LETTING DATE: SEPTEMBER 15, 2026

IOWA DOT PROJECT NO.: TAP-U-1187(793)--8I-57

EDGEWOOD TRAIL PHASE 3

FROM GLASS ROAD TO TOWN CENTRE WAY NE

This project is covered by the Iowa Department of Natural Resources NPDES General Permit No. 2. The Contractor shall carry out the terms and conditions of General Permit No. 2 and the storm water pollution prevention plan which is part of these contract documents. Refer to Section 2602 of the Standard Specifications for additional information.

SECTION 404 PERMIT AND CONDITIONS
This Data Entry Sheet fills Tab 281-1 effective 10-18-16

Construct this project according to the requirements of U.S. Army Corps of Engineers Nationwide Permit No. 14, Permit No. CEMVR-RD-2023-0367. A copy of this permit is available from the Iowa DOT website (http://www.envpermits.iowadot.gov/). The U.S. Army Corps of Engineers reserves the right to visit the site without prior notice.

	TOTAL
	269
PROJECT IDENTIFICATION NUMBER	
TBD	
PROJECT NUMBER	
TAP-U-1187(793)--8I-57	
R.O.W PROJECT NUMBER	
-	

IOWA DOT

Transportation Development Division

PLANS OF PROPOSED IMPROVEMENTS FOR THE

URBAN ROAD SYSTEM
IN THE CITY OF CEDAR RAPIDS
PCC SIDEWALK/TRAIL
ON EDGEWOOD ROAD NE, FROM GLASS RD NE TO N RIVER BLVD NE, AND CROSS POINTE BLVD NE TO TOWN CENTRE WAY NE

IOWA DOT PROJECT NO.: TAP-U-1187(793)--8I-57
CITY CONTRACT NO.: 325073-02

CITY OF CEDAR RAPIDS

THIS ENGINEERING DOCUMENT IS RECOMMENDED FOR FILING WITH THE CITY CLERK

Erik Turnquist — Digitally signed by Erik Turnquist DN: C=US, E=E.Turnquist@Cedar-Rapids.org, O=City of Cedar Rapids, OU=Public Works Department, CN=Erik Turnquist Date: 2026.06.16 12:53:09-05'00'

CITY ENGINEER OR DESIGNEE — DATE

Brandon Schmall — Digitally signed by Brandon Schmall Date: 2026.06.16 12:34:57-05'00'

UTILITY ENGINEER OR DESIGNEE — DATE

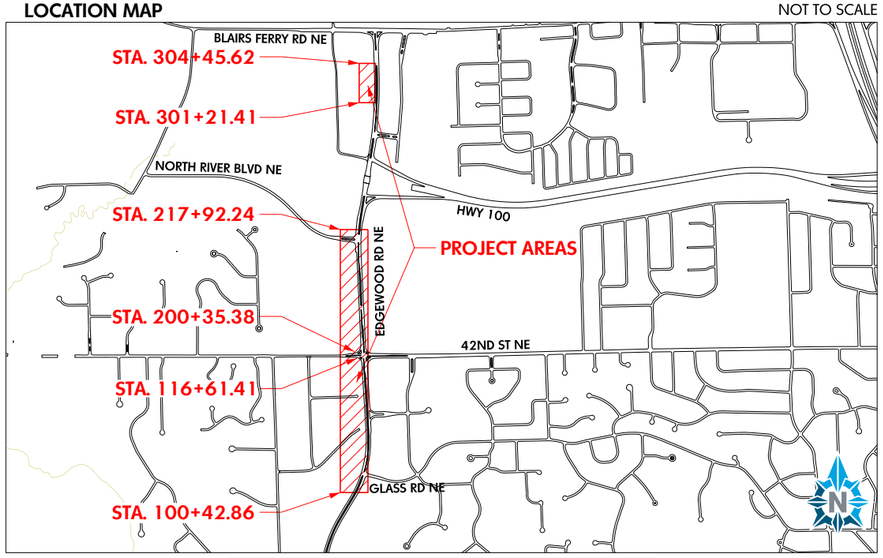
Cari Pauli — Digitally signed by Cari Pauli DN: C=US, E=c.pauli@cedar-rapids.org, O=City of Cedar Rapids, OU=Public Works Department, CN=Cari Pauli Date: 2026.06.16 13:31:38-05'00'

CITY TRAFFIC ENGINEER OR DESIGNEE — DATE

MILEAGE SUMMARY

DIV.	LOCATION	LIN. FT.	MILES
1	EDGEWOOD TRAIL		
	STA. 100+42.86 TO 116+61.41	1618.55	0.307
	STA. 200+35.38 TO 217+92.24	1756.86	0.333
	STA. 301+21.41 TO 304+45.62	324.21	0.061
	TOTAL NET LENGTH	3699.62	0.701

LOCATION MAP NOT TO SCALE



Refer to the Proposal Form for list of applicable specifications

Refer to Tabulation 105-4 on Sheet C.6 for Standard Road Plans

Refer to Sheet A.2 for Utility Contact Information

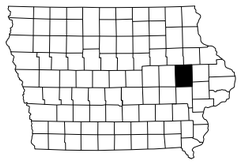
INDEX OF SHEETS

NUMBER	DESCRIPTION
A.1	TITLE SHEET
A.2	LEGEND & SYMBOL INFORMATION SHEET
B.1-B.13	TYPICAL CROSS-SECTIONS AND DETAILS
C.1-C.15	ESTIMATE OF QUANTITIES AND GENERAL INFORMATION
D.1-D.8	PLAN AND PROFILE SHEETS - TRAIL
E.1-E.2	PLAN AND PROFILE SHEETS - DITCH
G.1	REFERENCE TIES AND BENCHMARKS
H.1-H.9	RIGHT-OF-WAY SHEETS
I.1-I.8	REMOVALS
J.1-J.45	STAGING AND TRAFFIC CONTROL
L.1-L.9	GEOMETRICS, STAKING, AND JOINTING SHEETS
M.1-M.8	STORM SEWER PLAN AND PROFILES
MWM.1-MWM.5	WATER MAIN PLAN AND PROFILE
N.1-N.17	TRAFFIC SIGNALS
PM.1-PM.10	PAVEMENT MARKINGS
Q.1-Q.7	SOIL BORINGS
RR.1-RR.10	EROSION CONTROL
S.1-S.9	PEDESTRIAN RAMP STAKING
T.1-T.4	EARTHWORK
U.1-U.4	RETAINING WALL PLAN AND PROFILE
W.1-W.83	CROSS SECTIONS - TRAIL

INDEX OF SEALS

SHEET NO.	NAME	TYPE
A.1	CLAYTON J. CARPER	PRIMARY SIGNATURE BLOCK
N.1	JOHN B. WITT	TRAFFIC SIGNALS

DO NOT SCALE REDUCED 50%



IOWA ONE CALL
1-800-292-8989 | 811
www.iowaonecall.com
Know what's below. Call before you dig.

OWNER:
CITY OF CEDAR RAPIDS, IA
KEITH ABKES, P.E.
500 15TH AVE SW
CEDAR RAPIDS, IA 52404
PHONE: 319-286-5818

CEDAR RAPIDS
City Of Five Seasons

ENGINEER:
FOTH
CLAYTON J. CARPER, P.E.
411 6TH AVE SE, SUITE 400
CEDAR RAPIDS, IA 52401
PHONE: 319-297-2085

Foth
Foth Infrastructure & Environment, LLC
411 6th Avenue SE, Suite 400 ❖ Cedar Rapids, IA 52401-1931
❖ Phone: 319-365-9565 ❖

LICENSED PROFESSIONAL ENGINEER — CLAYTON J. CARPER 23239 — IOWA

I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Iowa.

6/15/2026
CLAYTON J. CARPER, P.E. — DATE
License Number: 23239
My license renewal date is DECEMBER 31, 2027
Pages or sheets covered by this seal:
ALL SHEETS EXCEPT N-SHEETS

ENGINEER: FOTH INFRASTRUCTURE & ENVIRONMENT LLC.	ENGLISH	CITY OF CEDAR RAPIDS, IA	LINN COUNTY	PROJECT NO.: TAP-U-1187(793)--8I-57	SHEET NUMBER A.1

STANDARD SYMBOLS

- Interstate Highway Symbol
- U.S. Highway Symbol
- Iowa Highway Symbol
- County Road Highway Symbol
- Evergreen Tree
- Deciduous Tree
- Fruit Tree
- Shrub (Bushes)
- Timber
- Hedge
- Stump
- Swamp
- Rock Outcrop
- Broken Concrete
- Revetment (Rip Rap)
- Cemetery
- Grave
- Cave
- Sink Hole
- Terrace
- Earth Dam or Dike (Existing)
- Earth Dam or Dike (Proposed)
- Tile Outlet
- Edge of Water
- Existing Drainage
- Proposed Drainage
- Right of Way Rail or Lot Corner
- Concrete Monument
- Well
- Windmill
- Beehive Intake
- Existing Intake
- Proposed Intake
- Existing Utility Access (Manhole)
- Proposed Utility Access (Manhole)
- Fire Hydrant
- WH Water Hydrant (Rural)

- Septic Tank
- Cistern
- L.P. Gas Tank (No Footing)
- Underground Storage Tank
- Latrine
- Luminaire
- Traffic Signal
- Traffic Signal with Luminaire
- TP Telephone Pedestal
- TVP Television Pedestal
- Telephone Pole
- Telephone Pole (Second Company)
- Telephone Pole (Third Company)
- Telephone Pole (Fourth Company)
- Telephone Pole (Fifth Company)
- Power Pole
- Power Pole (Second Company)
- Power Pole (Third Company)
- Power Pole (Fourth Company)
- Power Pole (Fifth Company)
- Electrical Highline Tower (Metal or Concrete)
- Telephone Riser Pole
- Power Riser Pole
- Telegraph Pole
- Satellite TV Dish
- Existing Water Line
- Existing Water Line (Second Company)
- Existing Sanitary Sewer Line
- Existing Telephone Line
- Existing Telephone Line (Second Company)
- Existing Fiber Optics Telephone Line
- Existing Storm Sewer Line
- Existing Gas Line
- Existing High Pressure Gas Line
- Existing Gas Line (Second Company)
- Existing High Pressure Gas Line (Second Company)
- Existing Power Line
- Existing Power Line (Second Company)
- Cable Television Line

- Board Fence
- Chain Link or Security Fence
- Wire Fence
- Guardrail (Beam or Cable)
- GP Guard Post (one or two)
- Guard Post (over two)
- FP Filler Pipe
- GV Gas Valve
- WV Water Valve
- SL Speed Limit Sign
- MM Mile Marker Post
- SIGN Sign
- WHU Water Hook Up
- RT Radio Tower
- TA Tower Anchor
- EB Electric Box
- TCB Traffic Signal Control Box
- RRB Rail Road Signal Control Box
- TSB Telephone Switch Box

(Symbols are Typical Only)

TABULATION OF UTILITIES

UTILITY LEGEND

Where public utility fixtures are shown as existing on the plans or encountered within the construction area, it shall be the responsibility of the contractor to notify the owners of those utilities prior to the beginning of any construction. The Contractor shall afford access to these facilities for necessary modification of services. Underground facilities, structures and utilities have been plotted from available surveys and records, and therefore their locations must be considered approximate only. It is possible there may be others, the existence of which presently not known or shown. It is the Contractor's responsibility to determine their existence and exact location and to avoid damage thereto. No claims for additional compensation will be allowed to the Contractor for any interference or delay caused by such work.

The Contractor is required to utilize the utility One-Call service at (800) 292-8989 at least 48 hours prior to excavating anywhere on the project.

The following utility companies are known to have facilities on the project:

ALLIANT ENERGY
Contact Name : Matt Wedeking
Contact Phone: 319-786-1913
Contact Email: matthewwedeking@alliantenergy.com
E(B) E(D) OHE

AUREON
Contact Name : Jeff Klocko
Contact Phone: (515) 830-0445
Contact Email: Jeff.Klocko@aureon.com
F04(B) F04(D)

IMON COMMUNICATIONS, LLC
Contact Name : IMON
Contact Phone: (319) 533-2691
Contact Email: imonplant@imon.net
F03(B) F03(D)

JOINT COMMUNICATION NETWORK (CITY FIBER)
Contact Name : Kris Sjobakken
Contact Phone:
Contact Email: k.sjobakken@cedar-rapids.org
F0(B) F0(D)

LUMEN TECHNOLOGIES (CTL)
Contact Name : Matt Holub
Contact Phone: (319) 206-9094
Contact Email: matthew.holub@lumen.com
F02(B) F02(D)

MEDIACOM
Contact Name : Carl Norton
Contact Phone: (319) 3594-6201
Contact Email: cnorton@mediacomcc.com
F05(B) F05(D)

MIDAMERICAN ENERGY
Contact Name : Greg Wildebour
Contact Phone: (319) 298-5162
Contact Email: gawildebour@midamerican.com
G(B) G(D) GHP(B) GHP(D)

SEGRA (formerly UPN)
Contact Name : James Keegan
Contact Phone: (319) 304=5597
Contact Email: james.keegan@upnfiber.com
F06(B) F06(D)

WINDSTREAM
Contact Name : Steve Kness
Contact Phone: (319) 538-1985
Contact Email: stephen.kness@windstream.com
F07(B) F07(D)

IOWA 1-CALL# 1-800-292-8989

RIGHT OF WAY LEGEND

- Proposed Right of Way
- Existing Right of Way
- Existing and Proposed Right of Way
- Easement and Existing Right of Way
- Borrow
- Easement (Temporary)
- Easement
- Excess
- Property Line
- A/C Access Control

CONVENTIONAL SIGNS

- Survey Line (Station, Reference Point)
- Section Corner
- Proposed Profile Grade
- Railroad
- Field Tile (Existing, Proposed)
- Culverts (Existing, Proposed)
- Stream

SYMBOLS UNIQUE TO PROJECT

pw://foth-pw.bentley.com:foth-pw-01\Documents\Clients\Cedar Rapids PW IA C\Edgewood Road NE Trail Phase 3\CAD\Plans\0022C005.02_A_SHT

CLIENT PROJECT NO: TAP-U-1187(793)--81-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 12:57:03 PM
CAD FILE: c:\pw_workdir\pw_ie\cjc\d0579164\0022C005.02_A_SHT.dgn

NO	DATE	BY	REVISION DESCRIPTION

Foth

EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

LEGEND & SYMBOL INFORMATION

SHEET NO.
A.2
TAP-U-1187(793)--81-57

NOTES:

NORMAL SECTION SHOWN MAY BE APPROPRIATELY MODIFIED FOR AREAS SPECIFICALLY DESIGNATED BY THE ENGINEER SUCH AS INTERSECTIONS. REFER TO OTHER DRAWINGS FOR DETAILS.

① SEE D-SHEETS FOR TRAIL PROFILE

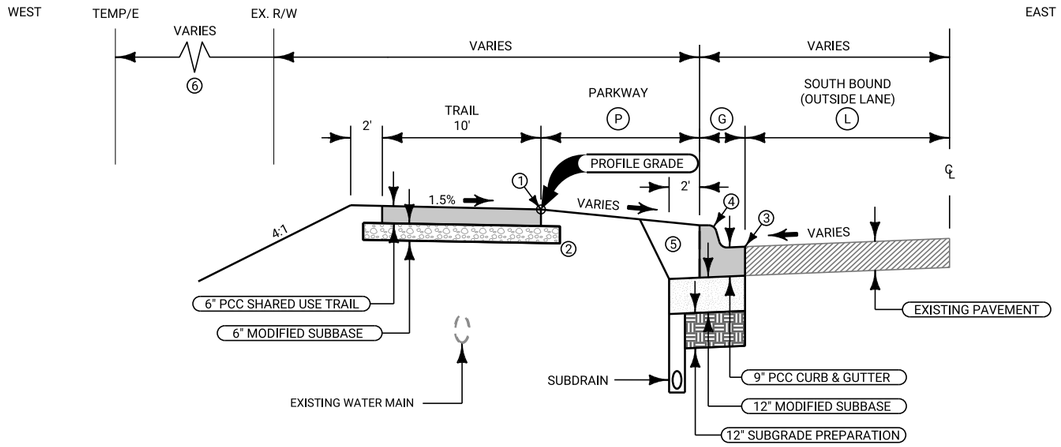
② SUBBASE EXTENDS 1' BEYOND PAVING ON BOTH SIDES, SHOULDER FINISHING ABOVE SUBBASE

③ SAWCUT JOINT SHALL BE 'B' IF THE ABUTTING PAVEMENT IS FULL DEPTH HMA; OTHERWISE USE AN 'RD' JOINT

④ 6" STANDARD CURB. GUTTER SHALL MATCH EXISTING ROADWAY CROSS SLOPE.

⑤ EXCAVATE AND BACKFILL 2.0', SHOULDER FINISHING ABOVE SUBBASE

⑥ TEMPORARY CONSTRUCTION EASEMENT WHERE REQUIRED. REFER TO H-SHEETS FOR MORE INFORMATION.



LOCATION			Ⓟ Feet	Ⓖ Feet	Ⓛ Feet
TRAIL IDENTIFICATION	STATION TO STATION				
TR_GLASS TO 42ND	101+36	101+80	10	4	11
TR_GLASS TO 42ND	111+40	111+76	10	3	12
TR_GLASS TO 42ND	114+56	117+47	9-24	3	12
TR_42ND TO RVR	200+81	201+54	14-34	3	VARIES

TYPICAL CROSS SECTION
10' TRAIL ADJACENT TO
NEW CURB AND GUTTER

NOTES:

NORMAL SECTION SHOWN MAY BE APPROPRIATELY MODIFIED FOR AREAS SPECIFICALLY DESIGNATED BY THE ENGINEER SUCH AS INTERSECTIONS. REFER TO OTHER DRAWINGS FOR DETAILS.

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② SUBBASE EXTENDS 1' BEYOND PAVING ON BOTH SIDES, SHOULDER FINISHING ABOVE SUBBASE

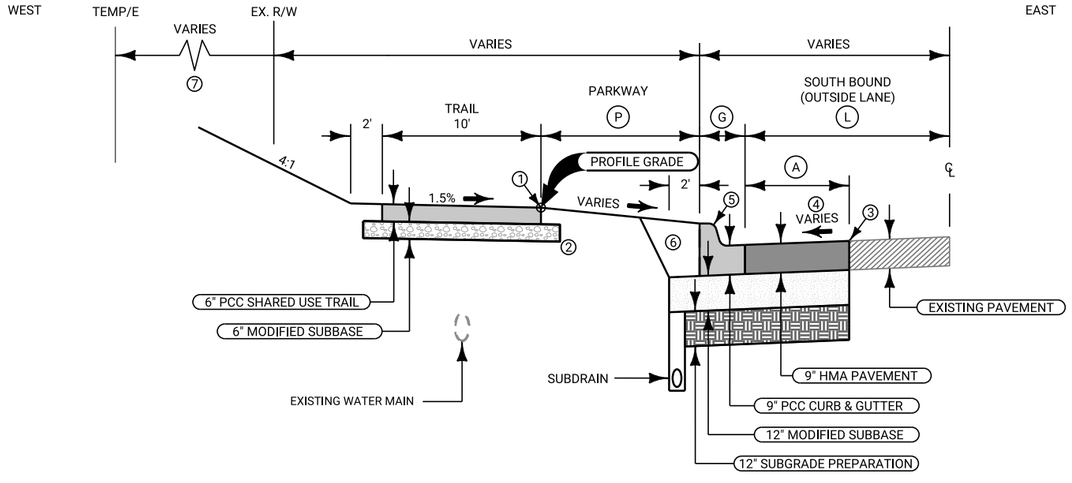
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④ MATCH EXISTING ROADWAY CROSS SLOPE

⑤ 6" STANDARD CURB

⑥ EXCAVATE AND BACKFILL 2.0', SHOULDER FINISHING ABOVE SUBBASE

⑦ TEMPORARY CONSTRUCTION EASEMENT WHERE REQUIRED. REFER TO H-SHEETS FOR MORE INFORMATION.



LOCATION			Ⓟ Feet	Ⓖ Feet	Ⓐ Feet	Ⓛ Feet
TRAIL IDENTIFICATION	STATION TO STATION					
TR_GLASS TO 42ND	111+76	114+56	10-28	3	6	12

TYPICAL CROSS SECTION
10' TRAIL ADJACENT TO
NEW CURB AND HMA PAVEMENT

pw://foth-pw.bentley.com:foth-pw-01\Documents\Clients\Cedar Rapids PW IA CE\Edgewood Road NE Trail Phase 3\CAD\Plans\0022C005.02_B_SHT

CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 12:42:00 PM
CAD FILE: c:\pw_workdir\pw_ie\amj3\d0579164\0022C005.02_B_SHT.dgn

NO	DATE	BY	REVISION DESCRIPTION

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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

TYPICAL SECTIONS AND DETAILS

SHEET NO.
B.1
TAP-U-1187(793)--8I-57

NOTES:

NORMAL SECTION SHOWN MAY BE APPROPRIATELY MODIFIED FOR AREAS SPECIFICALLY DESIGNATED BY THE ENGINEER SUCH AS INTERSECTIONS. REFER TO OTHER DRAWINGS FOR DETAILS.

① SEE D-SHEETS FOR TRAIL PROFILE

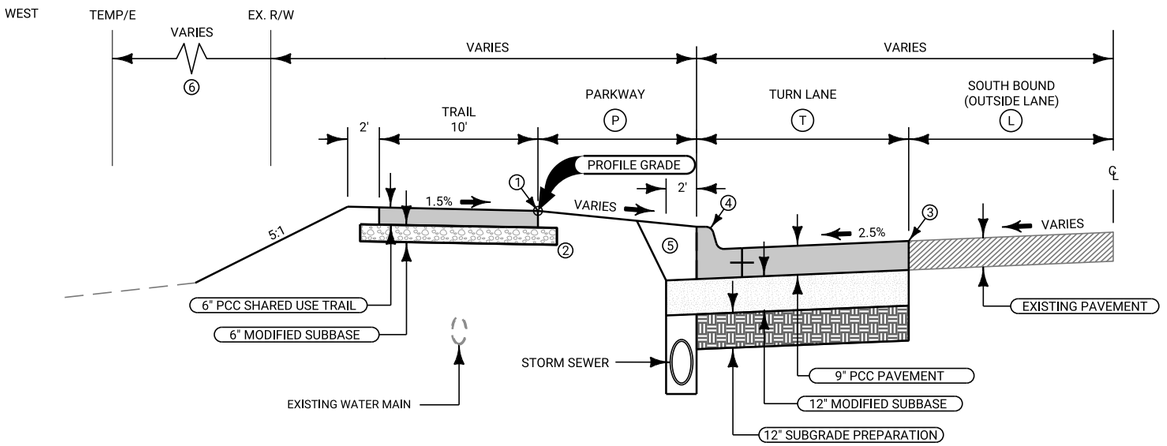
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③ SAWCUT JOINT SHALL BE 'B' IF THE ABUTTING PAVEMENT IS FULL DEPTH HMA; OTHERWISE USE AN 'RD' JOINT

④ 6" STANDARD CURB

⑤ EXCAVATE AND BACKFILL 2.0', SHOULDER FINISHING ABOVE SUBBASE

⑥ TEMPORARY CONSTRUCTION EASEMENT WHERE REQUIRED. REFER TO H-SHEETS FOR MORE INFORMATION.



LOCATION			Ⓟ Feet	Ⓣ Feet	Ⓛ Feet
TRAIL IDENTIFICATION	STATION TO STATION				
TR_42ND TO RVR	205+89	206+59	2-33	VARIES	13
TR_42ND TO RVR	207+41	208+65	15-24	13.5	14
TR_42ND TO RVR	208+65	209+49	10-15	2.5-4.5	24

TYPICAL CROSS SECTION
10' TRAIL ADJACENT TO
NEW PCC PAVEMENT

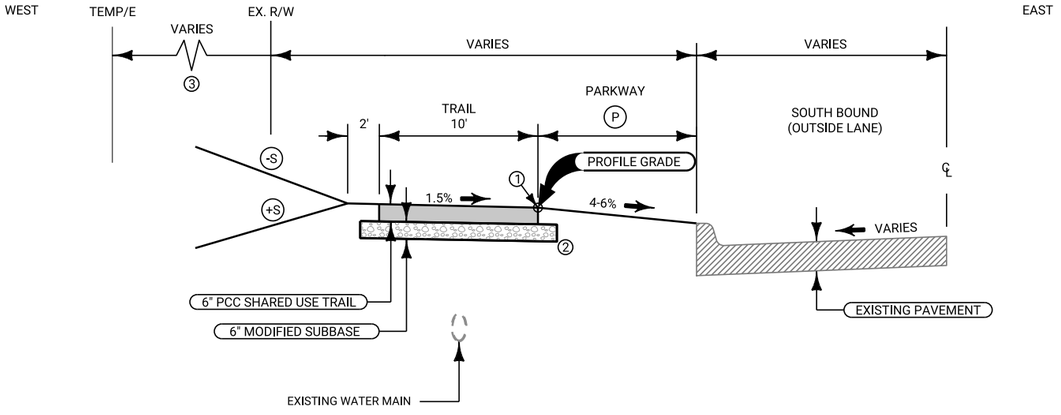
NOTES:

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① SEE D-SHEETS FOR TRAIL PROFILE

② SUBBASE EXTENDS 1' BEYOND PAVING ON BOTH SIDES, SHOULDER FINISHING ABOVE SUBBASE

③ TEMPORARY CONSTRUCTION EASEMENT WHERE REQUIRED. REFER TO H-SHEETS FOR MORE INFORMATION.



LOCATION			Ⓟ Feet	Ⓢ Slope
TRAIL IDENTIFICATION	STATION TO STATION			
TR_42ND TO RVR	209+49	211+37	9-18	+ 5:1
TR_42ND TO RVR	215+31	215+50	9-11	- 4-23%
TR_42ND TO RVR	216+21	216+47	2-18	- 5:1
TR_CROSS POINT TO TOWN CENTRE	301+21	304+46	9-10	+ 4:1

TYPICAL CROSS SECTION
10' TRAIL ADJACENT TO
EXISTING CURB

pw://foth-pw.bentley.com:foth-pw-01\Documents\Clients\Cedar Rapids PW IA CE\Edgewood Road NE Trail Phase 3\CAD\Plans\0022C005.02_B_SHT

CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
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LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 12:42:10 PM
CAD FILE: c:\pw_workdir\pw_ie\amj3\d05791641\0022C005.02_B_SHT.dgn

NO	DATE	BY	REVISION DESCRIPTION

Foth

EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

TYPICAL SECTIONS AND DETAILS

SHEET NO.
B.2
TAP-U-1187(793)--8I-57

NOTES:

NORMAL SECTION SHOWN MAY BE APPROPRIATELY MODIFIED FOR AREAS SPECIFICALLY DESIGNATED BY THE ENGINEER SUCH AS INTERSECTIONS. REFER TO OTHER DRAWINGS FOR DETAILS.

① SEE D-SHEETS FOR TRAIL PROFILE

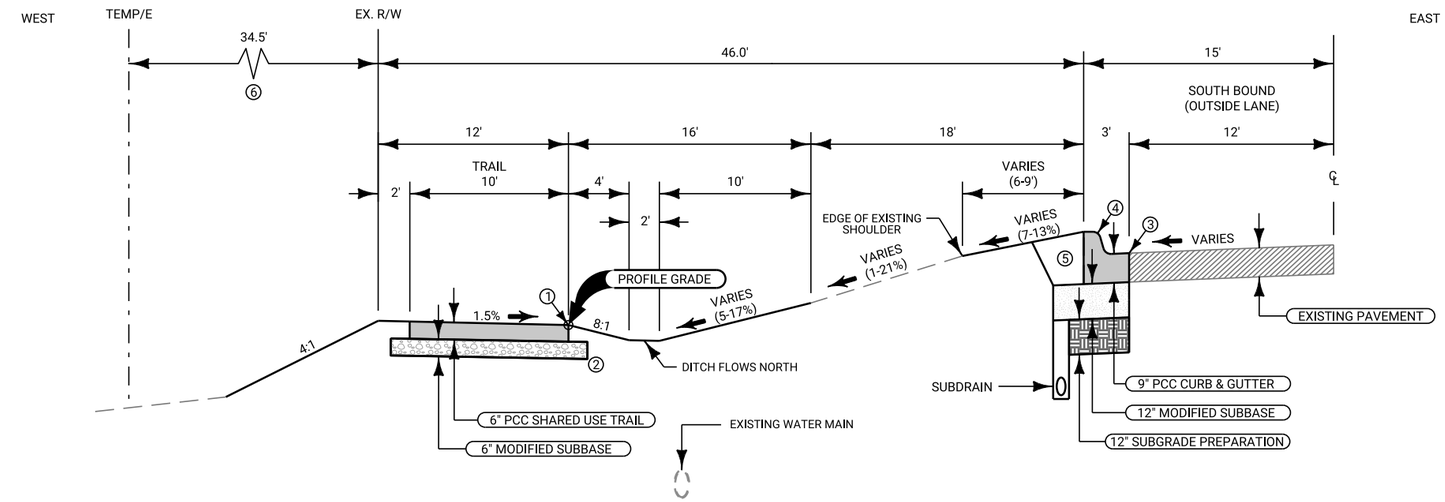
② SUBBASE EXTENDS 1' BEYOND PAVING ON BOTH SIDES, SHOULDER FINISHING ABOVE SUBBASE

③ SAWCUT JOINT SHALL BE 'B' IF THE ABUTTING PAVEMENT IS FULL DEPTH HMA; OTHERWISE USE AN 'RD' JOINT

④ 6" STANDARD CURB. GUTTER SHALL MATCH EXISTING ROADWAY CROSS SLOPE.

⑤ EXCAVATE AND BACKFILL 2.0', SHOULDER FINISHING ABOVE SUBBASE

⑥ TEMPORARY CONSTRUCTION EASEMENT WHERE REQUIRED. REFER TO H-SHEETS FOR MORE INFORMATION.



LOCATION		
TRAIL IDENTIFICATION	STATION TO STATION	
TR_42ND TO RVR	201+54	204+12

TYPICAL CROSS SECTION
10' TRAIL ADJACENT TO DITCH,
NEW CURB AND GUTTER

NOTES:

NORMAL SECTION SHOWN MAY BE APPROPRIATELY MODIFIED FOR AREAS SPECIFICALLY DESIGNATED BY THE ENGINEER SUCH AS INTERSECTIONS. REFER TO OTHER DRAWINGS FOR DETAILS.

① SEE D-SHEETS FOR TRAIL PROFILE

② SUBBASE EXTENDS 1' BEYOND PAVING ON BOTH SIDES, SHOULDER FINISHING ABOVE SUBBASE

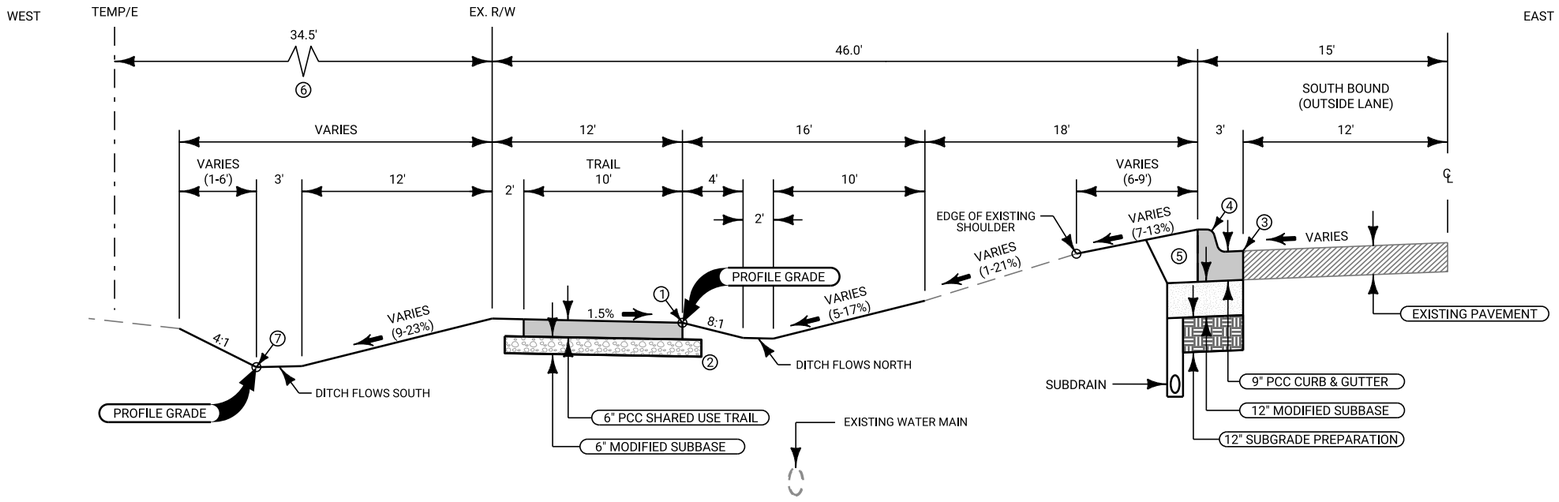
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④ 6" STANDARD CURB. GUTTER SHALL MATCH EXISTING ROADWAY CROSS SLOPE.

⑤ EXCAVATE AND BACKFILL 2.0', SHOULDER FINISHING ABOVE SUBBASE

⑥ TEMPORARY CONSTRUCTION EASEMENT WHERE REQUIRED. REFER TO H-SHEETS FOR MORE INFORMATION.

⑦ SEE E-SHEETS FOR DITCH PROFILE



LOCATION		
TRAIL IDENTIFICATION	STATION TO STATION	
TR_42ND TO RVR	204+12	205+89

TYPICAL CROSS SECTION
10' TRAIL IN BETWEEN DITCHES,
NEW CURB AND GUTTER

pw://foth-pw.bentley.com:foth-pw-01\Documents\Clients\Cedar Rapids PW IA CE\Edgewood Road NE Trail Phase 3\CAD\Plans\0022C005.02_B_SHT

CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
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NO	DATE	BY	REVISION DESCRIPTION

Foth

EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

TYPICAL SECTIONS AND DETAILS

SHEET NO.
B.3
TAP-U-1187(793)--8I-57

NOTES:

NORMAL SECTION SHOWN MAY BE APPROPRIATELY MODIFIED FOR AREAS SPECIFICALLY DESIGNATED BY THE ENGINEER SUCH AS INTERSECTIONS. REFER TO OTHER DRAWINGS FOR DETAILS.

① SEE D-SHEETS FOR TRAIL PROFILE

② SUBBASE EXTENDS 1' BEYOND PAVING , SHOULDER FINISHING ABOVE SUBBASE

③ SAWCUT JOINT SHALL BE 'B' IF THE ABUTTING PAVEMENT IS FULL DEPTH HMA; OTHERWISE USE AN 'RD' JOINT

④ 6" STANDARD CURB. GUTTER SHALL MATCH EXISTING ROADWAY CROSS SLOPE.

⑤ EXCAVATE AND BACKFILL 2.0', SHOULDER FINISHING ABOVE SUBBASE

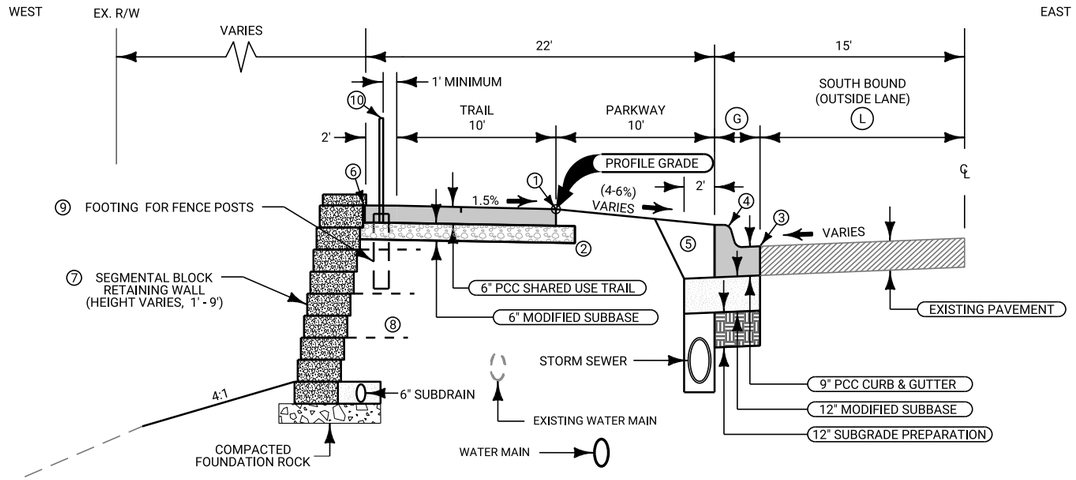
⑥ ½ INCH EXPANSION JOINT WITH SELF LEVELING SEALER

⑦ EXACT DIMENSIONS, WALL BATTER, BACKFILL LIMITS, REINFORCEMENT, AND LEVELING PAD MATERIALS AND DIMENSIONS WILL BE SPECIFIED BY THE WALL MANUFACTURER

⑧ GEOGRID REINFORCING AND GRANULAR BACKFILL (AS REQUIRED)

⑨ INSTALL THE FENCE POST ANCHORING SYSTEM OR CONCRETE FORM TUBE THROUGH THE GEOGRID REINFORCING DURING CONSTRUCTION OF THE WALL. AUGERING THROUGH THE REINFORCING WILL NOT BE ALLOWED.

⑩ 42 IN. CHAIN LINK SHALL BE BLACK VINYL AND THE FENCE MESH SHALL BE PLACED A MINIMUM OF 11-FEET FROM THE EAST EDGE OF THE TRAIL.



LOCATION			G Feet	L Feet
TRAIL IDENTIFICATION	STATION TO STATION			
TR_GLASS TO 42ND	101+80	103+00	4	11
TR_GLASS TO 42ND	107+00	108+25	3	12
TR_GLASS TO 42ND	111+17	111+40	3	12

TYPICAL CROSS SECTION
10' TRAIL ADJACENT TO RETAINING WALL,
NEW CURB AND GUTTER

NOTES:

NORMAL SECTION SHOWN MAY BE APPROPRIATELY MODIFIED FOR AREAS SPECIFICALLY DESIGNATED BY THE ENGINEER SUCH AS INTERSECTIONS. REFER TO OTHER DRAWINGS FOR DETAILS.

① SEE D-SHEETS FOR TRAIL PROFILE

② SUBBASE EXTENDS 1' BEYOND PAVING , SHOULDER FINISHING ABOVE SUBBASE

③ SAWCUT JOINT SHALL BE 'B' IF THE ABUTTING PAVEMENT IS FULL DEPTH HMA; OTHERWISE USE AN 'RD' JOINT

④ 6" STANDARD CURB. GUTTER SHALL MATCH EXISTING ROADWAY CROSS SLOPE.

⑤ EXCAVATE AND BACKFILL 2.0', SHOULDER FINISHING ABOVE SUBBASE

⑥ ½ INCH EXPANSION JOINT WITH SELF LEVELING SEALER

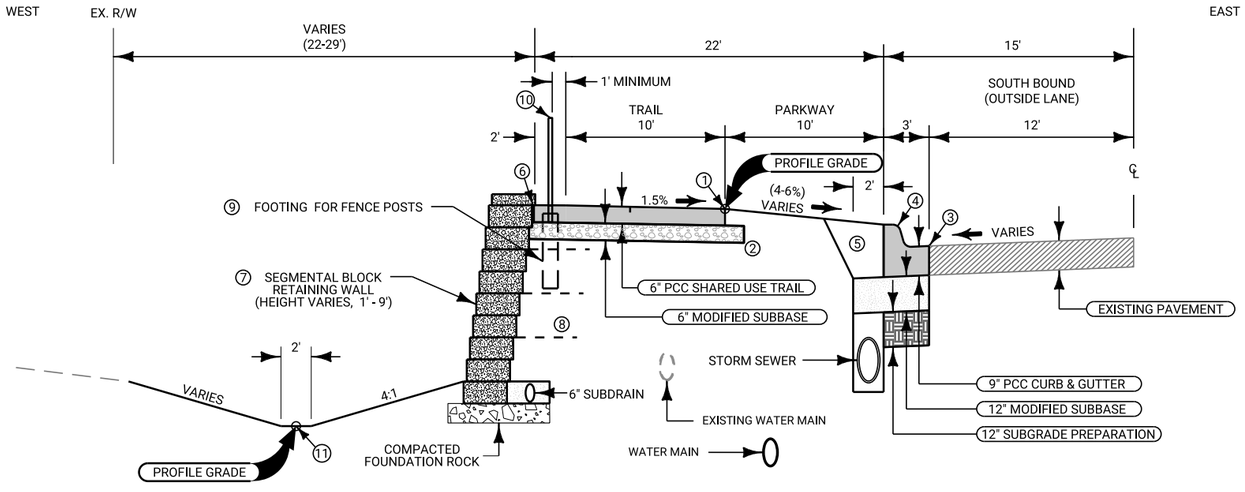
⑦ EXACT DIMENSIONS, WALL BATTER, BACKFILL LIMITS, REINFORCEMENT, AND LEVELING PAD MATERIALS AND DIMENSIONS WILL BE SPECIFIED BY THE WALL MANUFACTURER

⑧ GEOGRID REINFORCING AND GRANULAR BACKFILL (AS REQUIRED)

⑨ INSTALL THE FENCE POST ANCHORING SYSTEM OR CONCRETE FORM TUBE THROUGH THE GEOGRID REINFORCING DURING CONSTRUCTION OF THE WALL. AUGERING THROUGH THE REINFORCING WILL NOT BE ALLOWED.

⑩ 42 IN. CHAIN LINK SHALL BE BLACK VINYL AND THE FENCE MESH SHALL BE PLACED A MINIMUM OF 11-FEET FROM THE EAST EDGE OF THE TRAIL.

⑪ SEE E-SHEETS FOR DITCH PROFILE



LOCATION		
TRAIL IDENTIFICATION	STATION TO STATION	
TR_GLASS TO 42ND	108+25	111+17

TYPICAL CROSS SECTION
10' TRAIL ADJACENT TO RETAINING WALL,
DITCH AT BOTTOM OF WALL,
NEW CURB AND GUTTER

CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 12:42:12 PM
CAD FILE: c:\pw_workdir\pw_ie\amj3\d0579164\0022C005.02_B_SHT.dgn

NO	DATE	BY	REVISION DESCRIPTION

Foth

EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

TYPICAL SECTIONS AND DETAILS

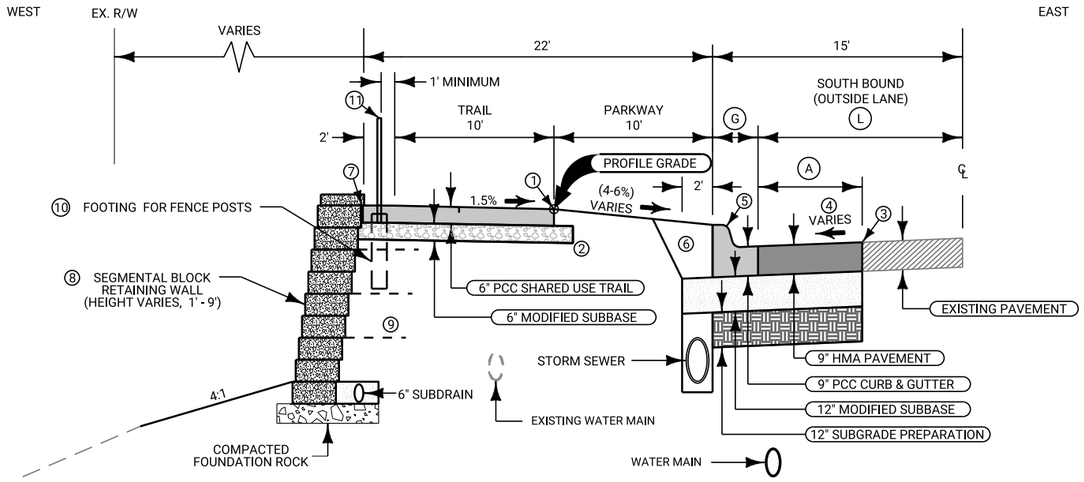
SHEET NO.
B.4
TAP-U-1187(793)--8I-57

pw://foth-pw.bentley.com:foth-pw-01\Documents\Clients\Cedar Rapids PW IA C\Edgewood Road NE Trail Phase 3\CAD\Plans\0022C005.02_B_SHT

NOTES:

NORMAL SECTION SHOWN MAY BE APPROPRIATELY MODIFIED FOR AREAS SPECIFICALLY DESIGNATED BY THE ENGINEER SUCH AS INTERSECTIONS. REFER TO OTHER DRAWINGS FOR DETAILS.

1. SEE D-SHEETS FOR TRAIL PROFILE
2. SUBBASE EXTENDS 1' BEYOND PAVING , SHOULDER FINISHING ABOVE SUBBASE
3. SAWCUT JOINT SHALL BE 'B' IF THE ABUTTING PAVEMENT IS FULL DEPTH HMA; OTHERWISE USE AN 'RD' JOINT
4. MATCH EXISTING ROADWAY CROSS SLOPE
5. 6" STANDARD CURB
6. EXCAVATE AND BACKFILL 2.0', SHOULDER FINISHING ABOVE SUBBASE
7. ½ INCH EXPANSION JOINT WITH SELF LEVELING SEALER
8. EXACT DIMENSIONS, WALL BATTER, BACKFILL LIMITS, REINFORCEMENT, AND LEVELING PAD MATERIALS AND DIMENSIONS WILL BE SPECIFIED BY THE WALL MANUFACTURER
9. GEOGRID REINFORCING AND GRANULAR BACKFILL (AS REQUIRED)
10. INSTALL THE FENCE POST ANCHORING SYSTEM OR CONCRETE FORM TUBE THROUGH THE GEOGRID REINFORCING DURING CONSTRUCTION OF THE WALL. AUGERING THROUGH THE REINFORCING WILL NOT BE ALLOWED.
11. 42 IN. CHAIN LINK SHALL BE BLACK VINYL AND THE FENCE MESH SHALL BE PLACED A MINIMUM OF 11-FEET FROM THE EAST EDGE OF THE TRAIL.



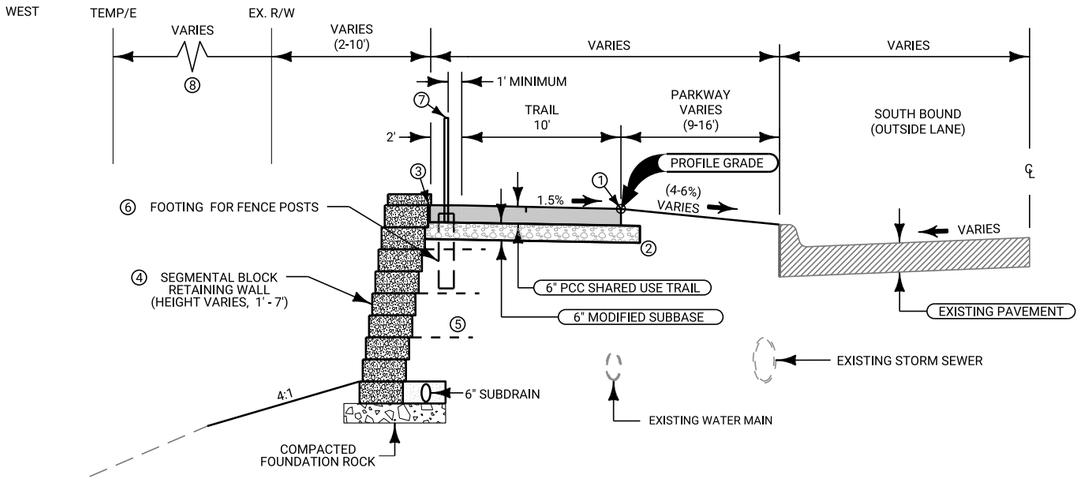
LOCATION			G Feet	A Feet	L Feet
TRAIL IDENTIFICATION	STATION TO STATION				
TR_GLASS TO 42ND	103+00	103+15	4-3	5-6	11-12
TR_GLASS TO 42ND	103+15	107+00	3	6	12

TYPICAL CROSS SECTION
10' TRAIL ADJACENT TO RETAINING WALL,
NEW CURB AND HMA PAVEMENT

NOTES:

NORMAL SECTION SHOWN MAY BE APPROPRIATELY MODIFIED FOR AREAS SPECIFICALLY DESIGNATED BY THE ENGINEER SUCH AS INTERSECTIONS. REFER TO OTHER DRAWINGS FOR DETAILS.

1. SEE D-SHEETS FOR TRAIL PROFILE
2. SUBBASE EXTENDS 1' BEYOND PAVING , SHOULDER FINISHING ABOVE SUBBASE
3. ½ INCH EXPANSION JOINT WITH SELF LEVELING SEALER
4. EXACT DIMENSIONS, WALL BATTER, BACKFILL LIMITS, REINFORCEMENT, AND LEVELING PAD MATERIALS AND DIMENSIONS WILL BE SPECIFIED BY THE WALL MANUFACTURER
5. GEOGRID REINFORCING AND GRANULAR BACKFILL (AS REQUIRED)
6. INSTALL THE FENCE POST ANCHORING SYSTEM OR CONCRETE FORM TUBE THROUGH THE GEOGRID REINFORCING DURING CONSTRUCTION OF THE WALL. AUGERING THROUGH THE REINFORCING WILL NOT BE ALLOWED.
7. 42 IN. CHAIN LINK SHALL BE BLACK VINYL AND THE FENCE MESH SHALL BE PLACED A MINIMUM OF 11-FEET FROM THE EAST EDGE OF THE TRAIL.
8. TEMPORARY CONSTRUCTION EASEMENT WHERE REQUIRED. REFER TO H-SHEETS FOR MORE INFORMATION.



LOCATION		
TRAIL IDENTIFICATION	STATION TO STATION	
TR_42ND TO RVR	211+37	215+31

TYPICAL CROSS SECTION
10' TRAIL ADJACENT TO RETAINING WALL,
EXISTING CURB TO REMAIN

pw://foth-pw.bentley.com:foth-pw-01\Documents\Clients\Cedar Rapids PW IA CE\Edgewood Road NE Trail Phase 3\CAD\Plans\0022C005.02_B_SHT

CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 12:42:14 PM
CAD FILE: c:\pw_workdir\pw_ie\amj3\d0579164\0022C005.02_B_SHT.dgn

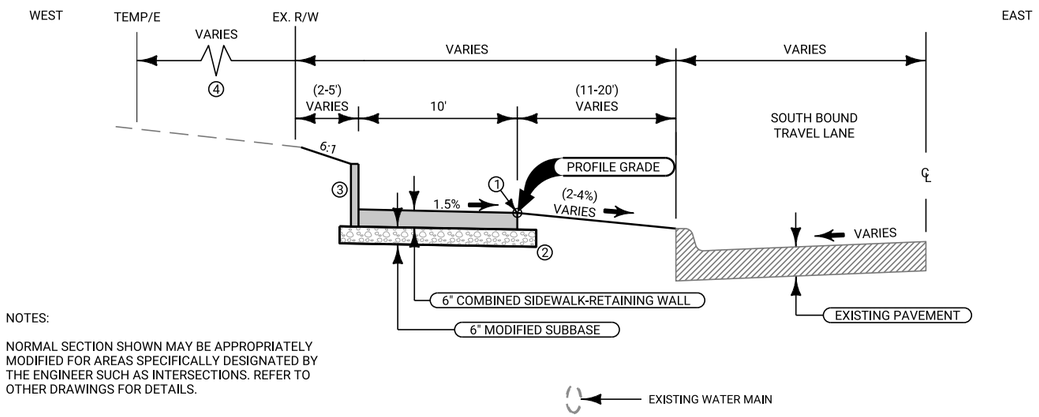
NO	DATE	BY	REVISION DESCRIPTION

Foth

EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

TYPICAL SECTIONS AND DETAILS

SHEET NO.
B.5
TAP-U-1187(793)--8I-57



NOTES:

NORMAL SECTION SHOWN MAY BE APPROPRIATELY MODIFIED FOR AREAS SPECIFICALLY DESIGNATED BY THE ENGINEER SUCH AS INTERSECTIONS. REFER TO OTHER DRAWINGS FOR DETAILS.

① SEE D-SHEETS FOR TRAIL PROFILE

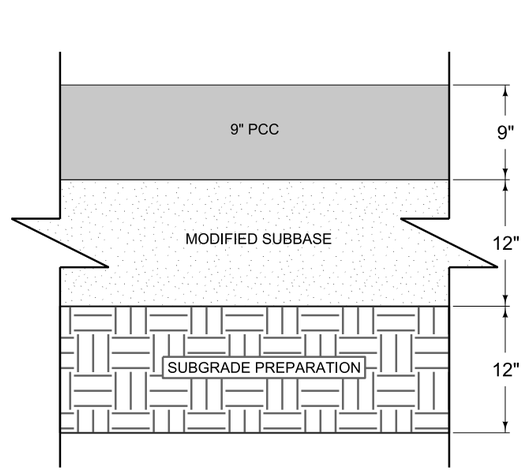
② SUBBASE EXTENDS 1' BEYOND PAVING ON BOTH SIDES, SHOULDER FINISHING ABOVE SUBBASE

③ COMBINED SIDEWALK-RETAINING WALL, TYPE A

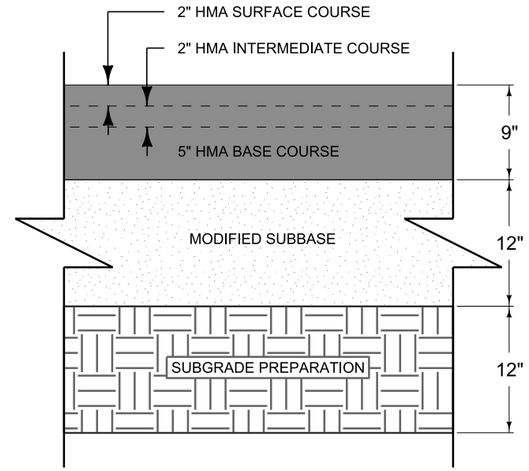
④ TEMPORARY CONSTRUCTION EASEMENT WHERE REQUIRED. REFER TO H-SHEETS FOR MORE INFORMATION.

TYPICAL CROSS SECTION 10' TRAIL W/ COMBINED SIDEWALK-RETAINING WALL, EXISTING CURB TO REMAIN

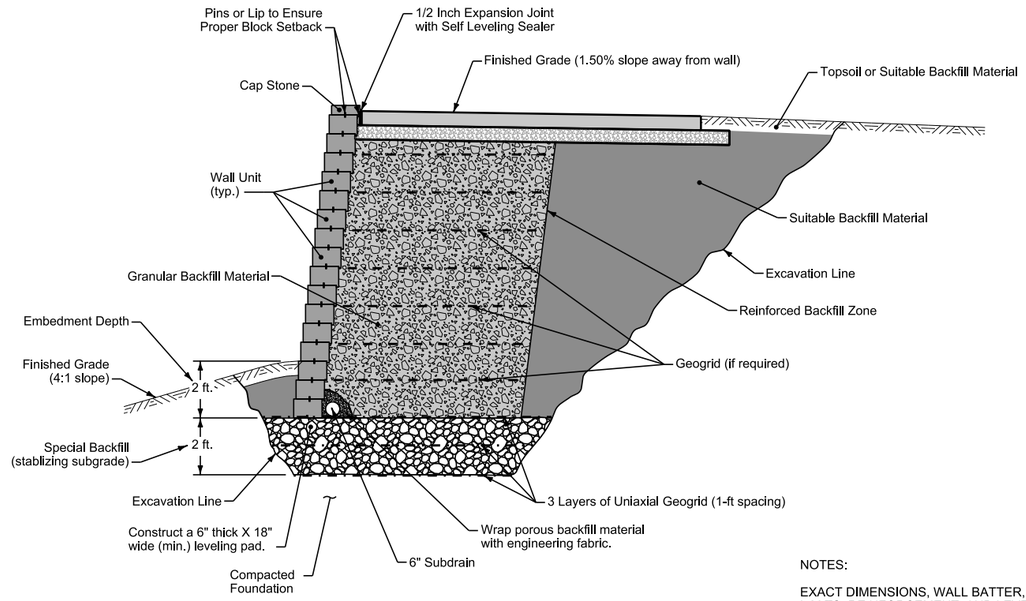
LOCATION		
TRAIL IDENTIFICATION	STATION TO STATION	
TR_42ND TO RVR	215+50	216+21



PCC PAVEMENT SECTION



HMA PAVEMENT SECTION



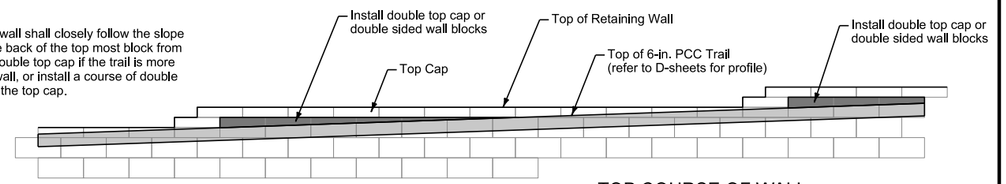
NOTES:

EXACT DIMENSIONS, WALL BATTER, BACKFILL LIMITS, REINFORCEMENT, AND LEVELING PAD MATERIALS AND DIMENSIONS WILL BE SPECIFIED BY THE WALL MANUFACTURER.

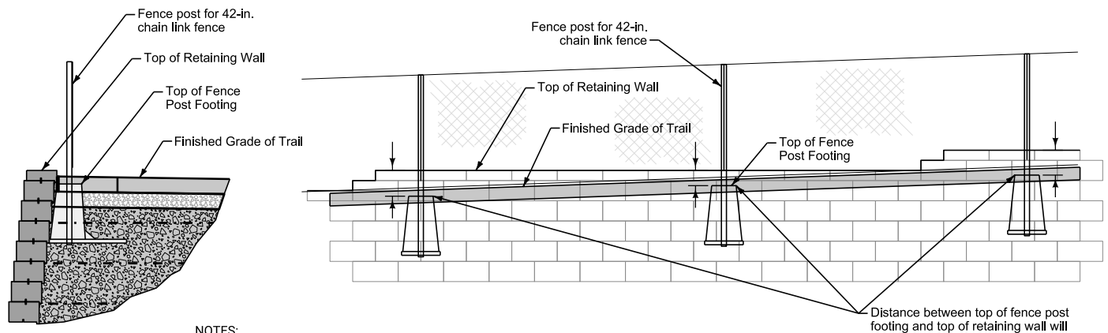
SEGMENTAL BLOCK RETAINING WALL
TYPICAL SECTION

NOTES:

The top of the retaining wall shall closely follow the slope of the trail to prevent the back of the top most block from being exposed. Install double top cap if the trail is more than 4-in. below top of wall, or install a course of double sided wall blocks below the top cap.



TOP COURSE OF WALL BLOCKS BELOW TOP CAP



NOTES:

Leave top of fence post footings at least 3-in. below finished grade of trail. Footing will be paved over with trail pavement.

Ensure that the exposed fence post height measured from finished grade is appropriate and takes into account the top of wall elevation (from top cap) , top of footing, and finish grade of trail.

FENCE POST FOOTINGS AT TOP OF RETAINING WALL

CLIENT PROJECT NO: TAP-U-1187(793)--81-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 12:42:15 PM
CAD FILE: c:\pw_workdir\pw_ie\amj3\d0579164\0022C005.02_B_SHT.dgn

NO	DATE	BY	REVISION DESCRIPTION

Foth

EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

TYPICAL SECTIONS AND DETAILS

SHEET NO.
B.6
TAP-U-1187(793)--81-57

pw://foth-pw.bentley.com:foth-pw-01/Documents/Clients/Cedar Rapids PW IA C/Edgewood Road NE Trail Phase 3/CAD/Plans/0022C005.02_B_SHT

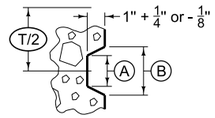
NOTES:

① COLORED CONCRETE THICKENED EDGE AT BACK OF CURB IS INCIDENTAL TO THE COLORED PCC MEDIAN.

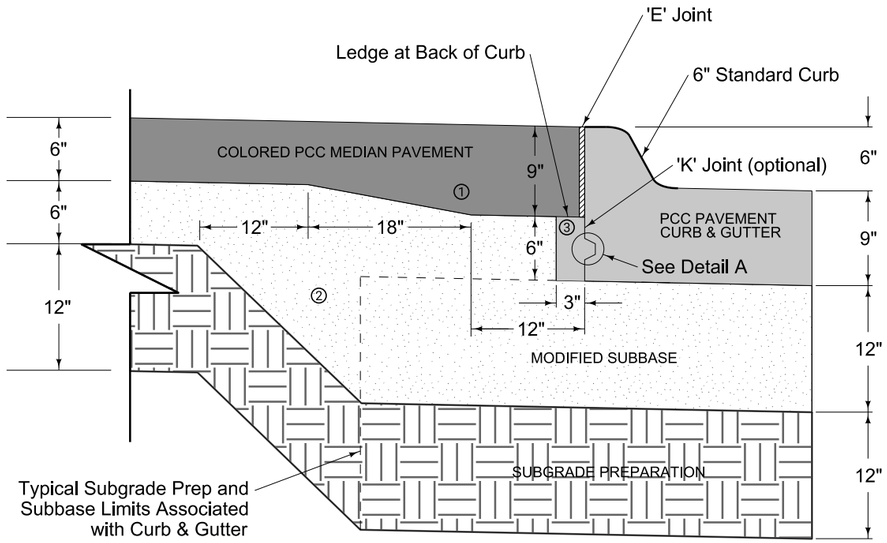
② SUBBASE THICKENED EDGE AT BACK OF CURB AND FOR THE COLORED PCC MEDIAN IS INCIDENTAL TO THE MODIFIED SUBBASE.

③ LEDGE SHALL EXTEND BEYOND THE BACK OF CURB BY 3-INCHES AND TOP OF THE LEDGE SHALL BE 3-INCHES BELOW FORM GRADE. LEDGE CAN BE POURED INTEGRAL WIDTH THE CURB OR CAN BE POURED SEPARATELY WITH A K-JOINT. LEDGE IS INCIDENTAL TO THE CURB.

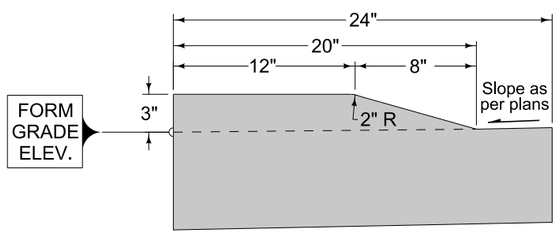
DETAIL A



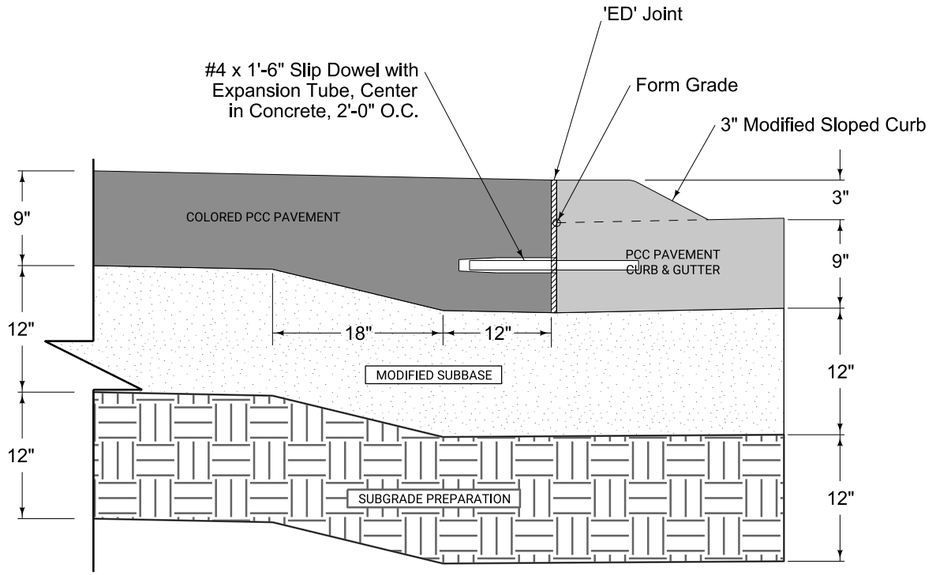
KEYWAY DIMENSIONS			
Keyway Type	Pavement Thickness (T)	(A)	(B)
Standard	8" or greater	1 3/4"	2 3/4"
Narrow	Less than 8"	1"	2"



COLORED PCC MEDIAN ADJACENT TO STANDARD CURB (NON-MOUNTABLE)



3" MODIFIED SLOPED CURB



COLORED PCC MEDIAN ADJACENT TO SLOPED CURB (MOUNTABLE)

pw://foth-pw.bentley.com:foth-pw-01\Documents\Clients\Cedar Rapids PW IA C\Edgewood Road NE Trail Phase 3\CAD\Plans\0022C005.02_B_SHT

CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
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CAD FILE: c:\pw_workdir\pw_ie\amj3\d0579164\0022C005.02_B_SHT.dgn

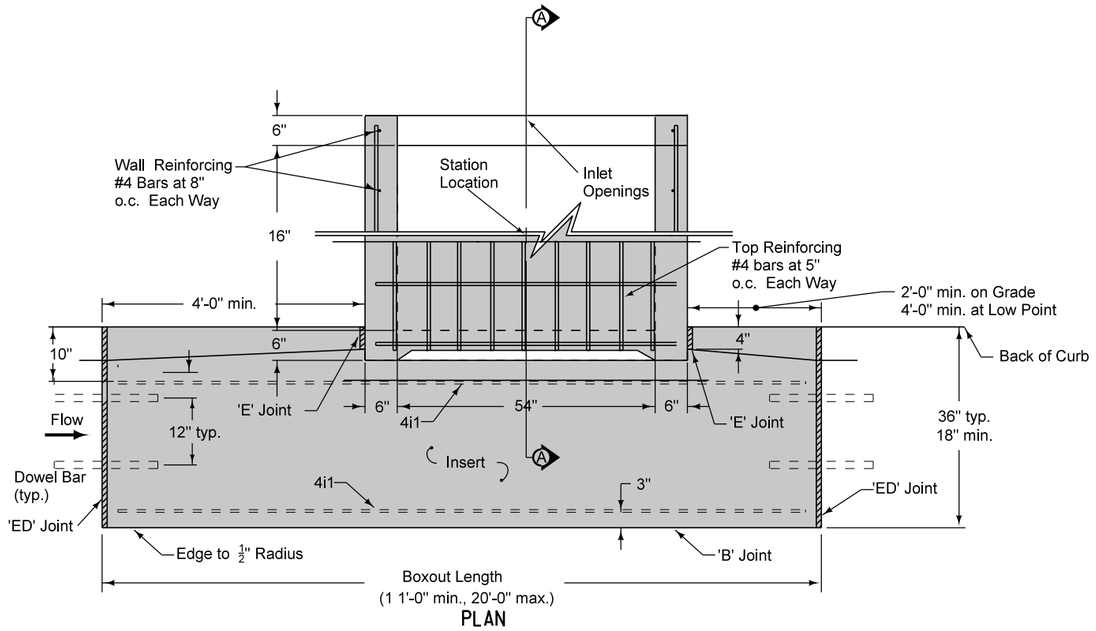
NO	DATE	BY	REVISION DESCRIPTION

Foth

EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

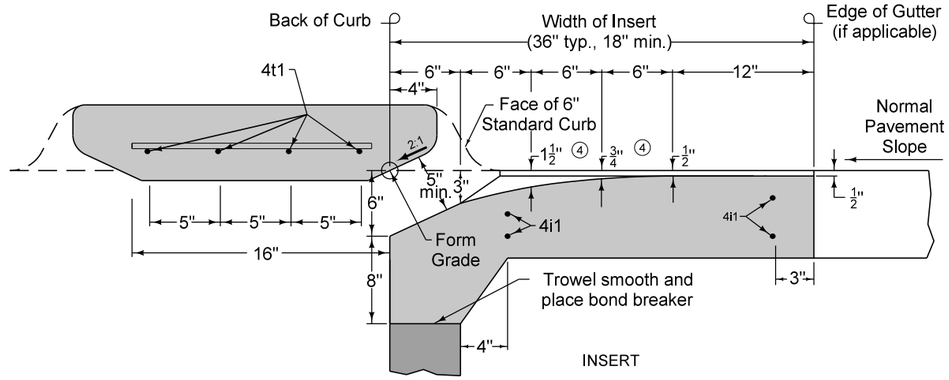
TYPICAL SECTIONS AND DETAILS

SHEET NO.
B.7
TAP-U-1187(793)--8I-57

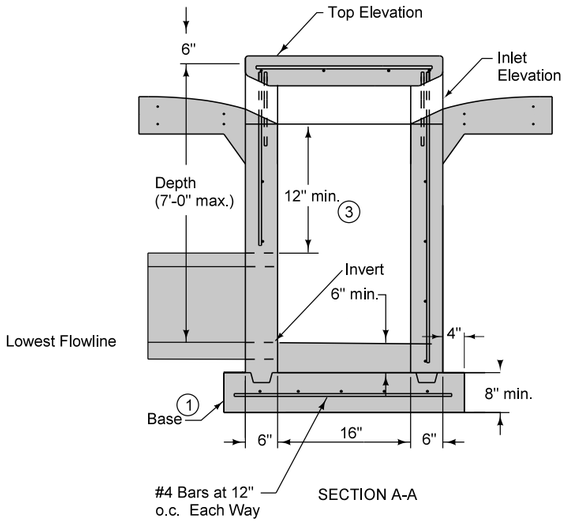


PLAN

REINFORCING BAR LIST						
Mark	Size	Location	Shape	Count	Length	Spacing
4i1	4	Insert	——	4	Boxout Length minus 8"	See Plan



INSERT



SW-507, SMALL BOX MODIFIED
DUAL OPEN THROAT CURB INTAKE

SCALE: NONE

Structure may be built with openings on any or all sides. Provide openings and orientation as specified in the contract documents.

Adjacent walls may have different widths based upon pipe configuration, but structure must be rectangular.

(1) Cast-in-place base shown. If base is precast integral with walls, the footprint of base is not required to extend beyond the outer edge of the walls.

(2) Install four #4 diagonal bars at all pipe openings.

(3) 12" minimum wall height above all pipes.

(4) Insert shaping may be modified for insert widths less than 36 inches. For an 18 inch insert, reduce dimensions indicated by 1/2 inch.

pw://foth-pw.bentley.com:foth-pw-01/Documents/Clients/Cedar Rapids PW IA CE/Edgewood Road NE Trail Phase 3/CAD/Plans/0022C005.02_B_SHT

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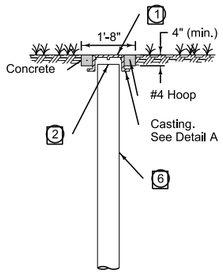
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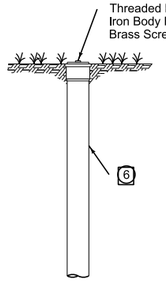
EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

TYPICAL SECTIONS AND DETAILS

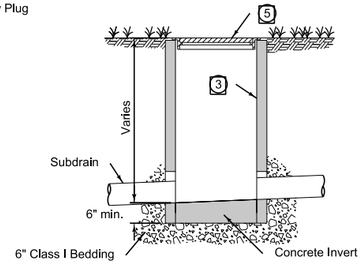
SHEET NO.
B.8
TAP-U-1187(793)--8I-57



TYPE A-1 CLEANOUT



TYPE A-2 CLEANOUT



TYPE B CLEANOUT (3)

Use in non-traffic areas.

(1) Light duty casting. Label lid with "Storm" or "Storm C.O."

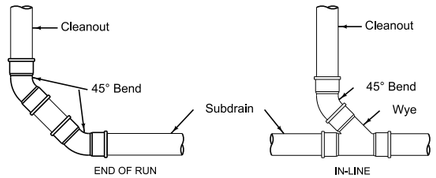
(2) Do not allow casting to bear on top of riser pipe; provide 2 inch clearance, minimum.

(3) Type B cleanout required in the R.O.W. unless otherwise shown in contract documents as a design exception.

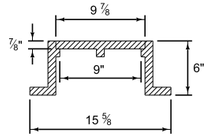
(4) Design is intended for use in conjunction with 8 inch PVC riser pipe. Other sized caps may be used with smaller pipe, as approved by the Engineer.

(5) Provide Type G casting, as required to fit pipe size.

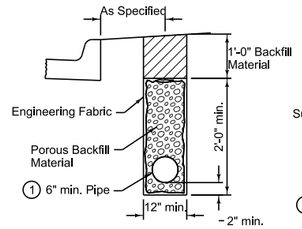
(6) PVC riser pipe; match diameter of subdrain (8 inches maximum).



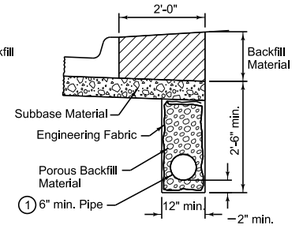
TYPE A CLEANOUT CONNECTIONS



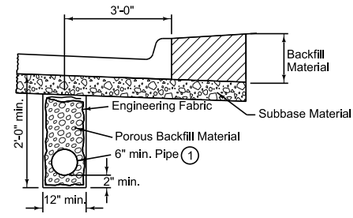
DETAIL A (1) (4)
(Dimensions are nominal)



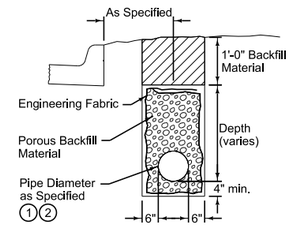
CASE A
TYPE 1



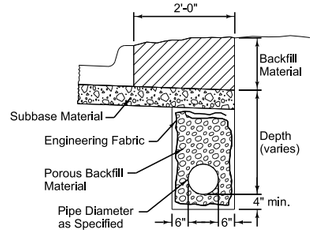
CASE B
TYPE 1



CASE C
TYPE 1



CASE D
TYPE 2

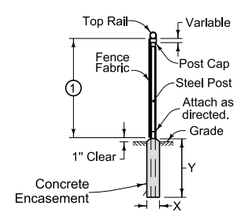


CASE E
TYPE 2

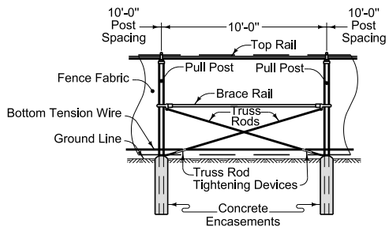
Type 1 installation is for longitudinal subdrain only. Type 2 installation is for combination subdrain/footing drain collectors.

(1) Place perforations down for all installations.

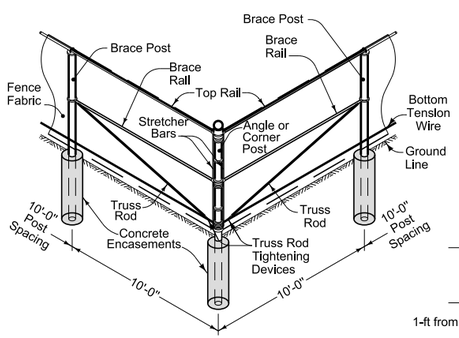
(2) When concrete pipe is specified, wrap pipe joints with engineering fabric. Do not apply joint sealant. Comply with Figure 4020.211



POST INSTALLATION



PULL POST INSTALLATION



ANGLE OR CORNER POST INSTALLATION

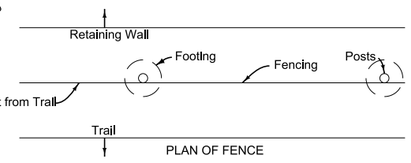
Place fence fabric on roadway side of post. For certain curves, stream crossings, or other locations, the Contractor has the option to place fabric on the side of the post away from the roadway.

(1) Fabric width as specified in the contract documents.

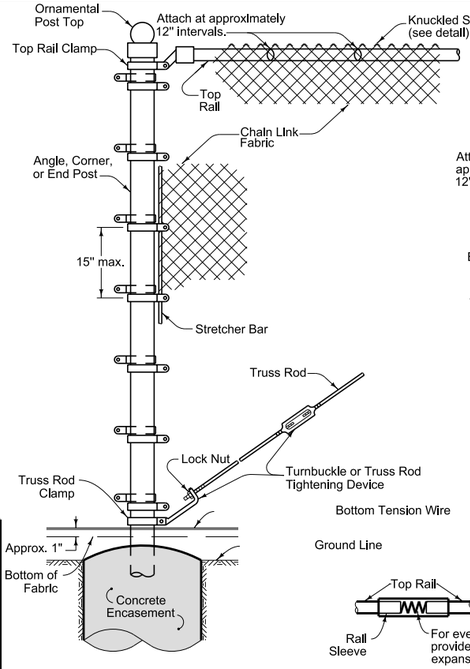
(2) For fence heights greater than 8 feet, the depth of the fence post footing is 3 feet plus 3 inches for each 1 foot in height over 8 feet.

FENCE POST FOOTING DEPTH AND DIAMETER

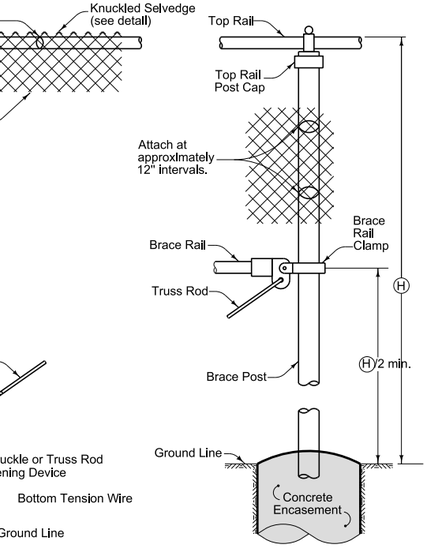
USE IN FENCE	FENCE HEIGHT					
	4'-0" and less		Over 4'-0" to 8'-0"		Over 8'-0"	
	X	Y	X	Y	X	Y
Line and Brace Posts	0'-8"	3'-0"	0'-10"	3'-0"	1'-0"	(2)
Terminal Post*	0'-10"	3'-0"	1'-0"	3'-0"	1'-4"	(2)
*Includes corner, angle, end, and pull posts.						



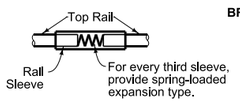
PLAN OF FENCE



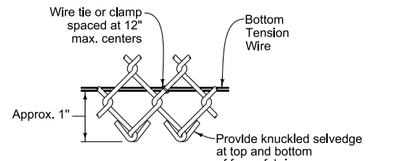
ANGLE, CORNER, OR
END POST ASSEMBLY



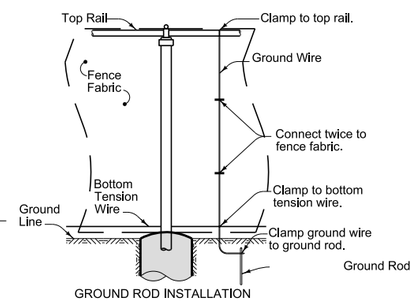
BRACE POST ASSEMBLY



RAIL SLEEVE



BOTTOM TENSION WIRE
AND KNUCKLED SELVEDGE



GROUND ROD INSTALLATION

CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 12:42:18 PM
CAD FILE: c:\pw_workdir\pw_ie\amj3\d0579164\0022C005.02_B_SHT.dgn

NO	DATE	BY	REVISION DESCRIPTION

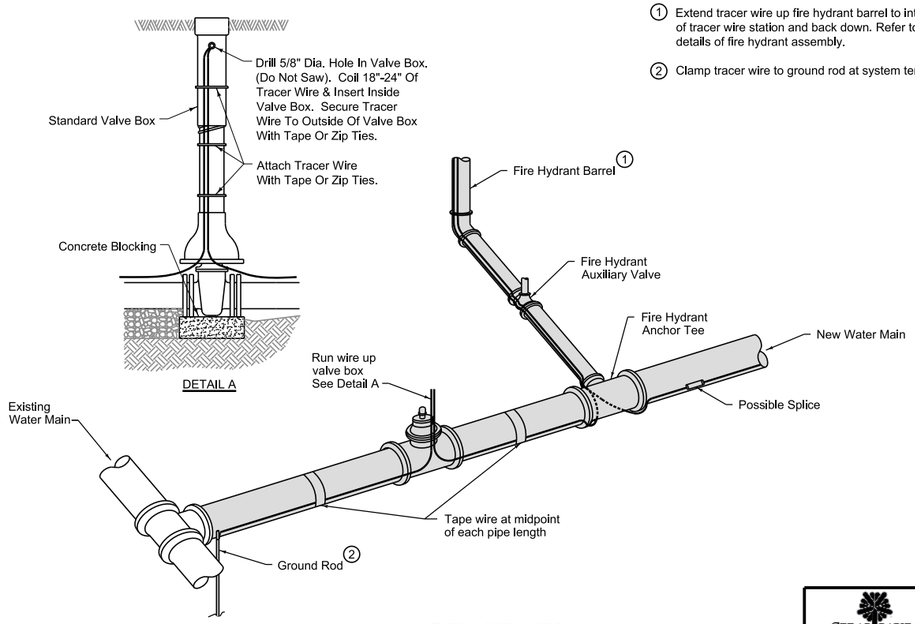
Foth

EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

TYPICAL SECTIONS AND DETAILS

SHEET NO.
B.9
TAP-U-1187(793)--8I-57

pw://foth-pw.bentley.com:foth-pw-01/Documents/Clients/Cedar Rapids PW IA C/Edgewood Road NE Trail Phase 3/CAD/Plans/0022C005.02_B_SHT

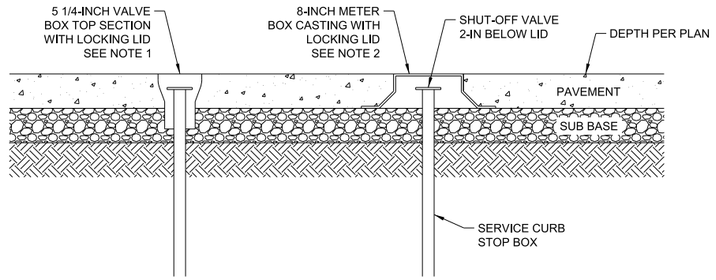


TYPICAL INSTALLATION

1. Extend tracer wire up fire hydrant barrel to internal terminals of tracer wire station and back down. Refer to 5920.993 for details of fire hydrant assembly.
2. Clamp tracer wire to ground rod at system termination points.

CEDAR RAPIDS City of Five Seasons	REVISION: New 01-06-22
	5910.102
	SHEET 1 of 1

TRACER SYSTEM

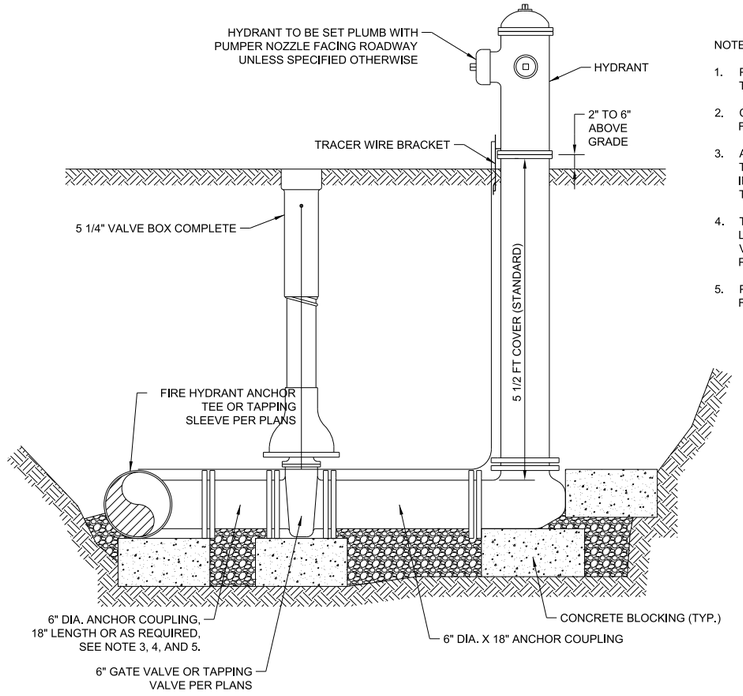


NOTES:

1. FOR SERVICE CURB STOP BOXES WITHIN DRIVEWAY PAVEMENT.
2. FOR SERVICE CURB STOP BOXES WITHIN NON-TRAFFIC SIDEWALK PAVEMENT.
3. CENTER CASTINGS / LIDS OVER SERVICE CURB STOP BOXES.

CEDAR RAPIDS City of Five Seasons	REVISION: New 01-06-22
	5910.992
	SHEET 1 of 1

WATER SERVICE STOP BOX IN PAVEMENT



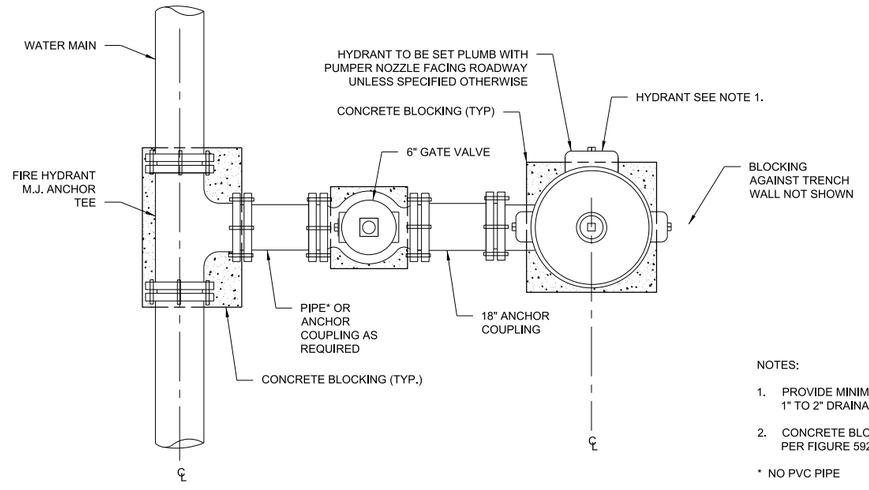
NOTES:

1. PROVIDE MINIMUM OF 4 CU. FT OF 1" TO 2" DRAINABLE AGGREGATE.
2. CONCRETE BLOCKING SHALL BE PER FIGURE 5920.992.
3. ANCHOR COUPLING NOT USED IF TAPPING SLEEVE INSTALLED. INSTALL TAPPING VALVE ADJACENT TO TAPPING SLEEVE.
4. TO EXTENT POSSIBLE, ADJUST LENGTH OF ANCHOR COUPLING SO VALVE IS NOT UNDER ROADWAY PAVEMENT.
5. PVC PIPE SHALL NOT BE USED IN FIRE HYDRANT ASSEMBLIES.

CEDAR RAPIDS City of Five Seasons	REVISION: 01-06-22
	5920.993

HYDRANT SET DETAIL

TYPE II - HYDRANT PERPENDICULAR TO WATER MAIN WITH HYDRANT ANCHOR TEE



NOTES:

1. PROVIDE MINIMUM OF 4 CU. FT OF 1" TO 2" DRAINABLE AGGREGATE.
2. CONCRETE BLOCKING SHALL BE PER FIGURE 5920.992.

* NO PVC PIPE

CEDAR RAPIDS City of Five Seasons	REVISION: New 01-06-22
	5920.993
	SHEET 3 of 6

HYDRANT SET DETAIL

pw://foth-pw.bentley.com:foth-pw-01/Documents/Clients/Cedar Rapids PW IA C/Edgewood Road NE Trail Phase 3/CAD/Plans/0022C005.02_B_SHT

CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 12:42:19 PM
CAD FILE: c:\pw_workdir\pw_ie\amj3\d0579164\0022C005.02_B_SHT.dgn

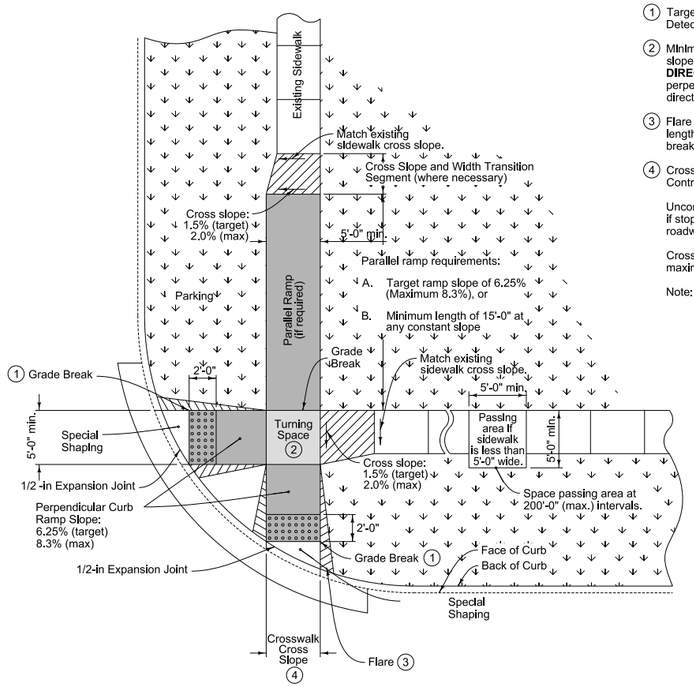
NO	DATE	BY	REVISION DESCRIPTION

Foth

EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

TYPICAL SECTIONS AND DETAILS

SHEET NO.
B.10
TAP-U-1187(793)--8I-57



1. Target slope = 1.5%; Grade break at the Detectable Warning Panel.
2. Minimum 5 feet by 5 feet. Target slope = 1.5%; maximum slope = 2.0% **IN ALL DIRECTIONS.** Turning space to be tied to the perpendicular curb ramp on one side each direction.
3. Flare width: Target = 1.0', Max = 1.5'; Flare typical length = 6' along shortest leg. Provide grade break between flare and ramp.
4. Crosswalk Cross-Slope,
   Controlled Condition: Maximum 2%.

   Uncontrolled Condition:
   if stop or yield condition; Maximum 5%, or match roadway slope whichever is less.

   Cross-slope at Turning Space grade break: 2% maximum

   Note: For curb cut details refer to 7030.990

Key
- Curb Ramp
- Turning Space
- Detectable Warning
- Grass or Other Surface

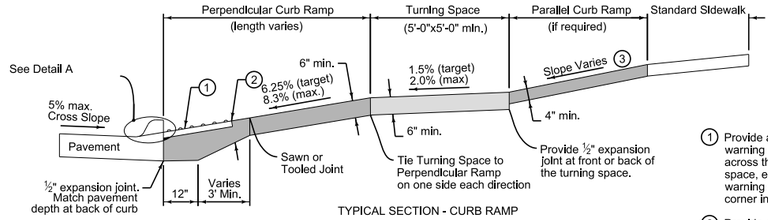
CEDAR RAPIDS City of Five Seasons

REVISION	
New	10-9-18

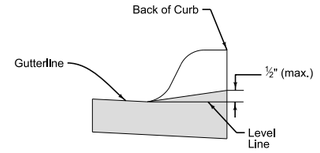
7030.999.204

SHEET 1 of 3

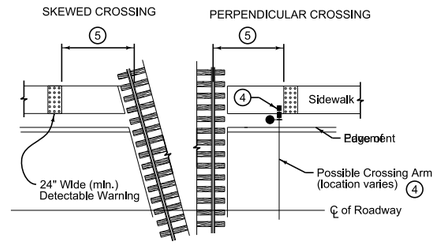
GENERAL FEATURES OF AN ACCESSIBLE SIDEWALK



TYPICAL SECTION - CURB RAMP



DETAIL A



DETECTABLE WARNING LOCATION AT RAILROAD CROSSING

Key
- Curb Ramp
- Turning Space
- Detectable warning

1. Provide a minimum 2 foot width of detectable warning surfaces in the direction of pedestrian travel across the full width of the curb ramp or turning space, exclusive of curbs or flares. Detectable warning surfaces should, at minimum, have one corner in contact with the back of curb.
2. Provide a minimum of 6 inches of concrete below the detectable warning panel.
3. If normal sidewalk elevation cannot be achieved with the perpendicular ramp between the street and landing due to limited ramp length, provide a parallel ramp to make up the elevation difference between the landing and the standard sidewalk.
   Parallel ramp requirements:
   A. Target ramp slope of 6.25% (Maximum 8.3%), or
   B. Minimum length of 15'-0" at any constant slope
4. If crossing gate conflicts with location of detectable warning or if pedestrian crossing gate is provided, place detectable warning panel in advance of the crossing gate.
5. Locate front edge of detectable warning panel 12 to 15 feet from centerline of nearest rail. Orient truncated domes parallel to the direction of pedestrian travel.

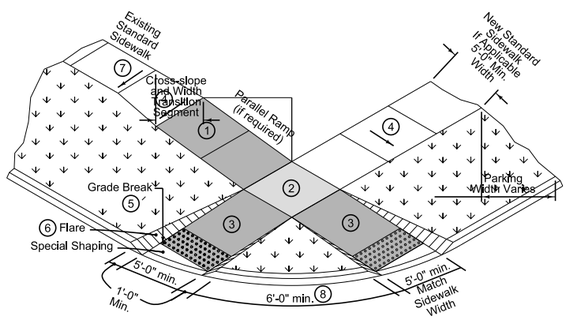
CEDAR RAPIDS City of Five Seasons

REVISION	
New	10-9-18

7030.999.205

SHEET 1 of 1

GENERAL SIDEWALK AND CURB RAMP DETAILS



Key
- Curb Ramp
- Turning Space
- Detectable warning
- Grass or Other Surface

1. Parallel Ramp: If normal sidewalk elevation cannot be achieved with the perpendicular ramp between the street and Turning Space due to limited ramp length, provide a parallel ramp to make up the elevation difference between the landing and the standard sidewalk.
   Parallel ramp requirements:
   A. Target ramp slope of 6.25% (Maximum 8.3%), or
   B. Minimum length of 15'-0" at any constant slope
2. Minimum 5 feet by 5 feet. Target slope = 1.5%; maximum slope = 2.0% **IN ALL DIRECTIONS.** Turning space to be tied to the Perpendicular Ramp on one side each direction.
3. Perpendicular Curb Ramp: Target running slope of 6.25% with maximum running slope of 8.3%.
4. Target slope = 1.5%
5. Grade Break cross slope at the Detectable Warning Panel shall equal the street profile grade or be a maximum of 5%.
6. Flare width: Target = 1.0', Max = 1.5'; Flare typical length = 6' along shortest leg. Provide grade break between flare and ramp. For hard surface parking, provide a cross slope of 10% or flatter.
7. Match existing sidewalk cross slope (typ).
8. Curb length:
   A. Curb length greater than 6' should be grass
   B. Curb length less than 6' should be concrete or other specified material

CEDAR RAPIDS City of Five Seasons

REVISION	
New	10-9-18

7030.999.207

SHEET 1 of 1

CURB RAMP FOR CLASS B OR C SIDEWALK

CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 12:42:21 PM
CAD FILE: c:\pw_workdir\pw_ie\amj3\d0579164\0022C005.02_B_SHT.dgn

NO	DATE	BY	REVISION DESCRIPTION

Foth

EDGEWOOD TRAIL PHASE 3 FROM GLASS ROAD TO TOWN CENTRE WAY NE

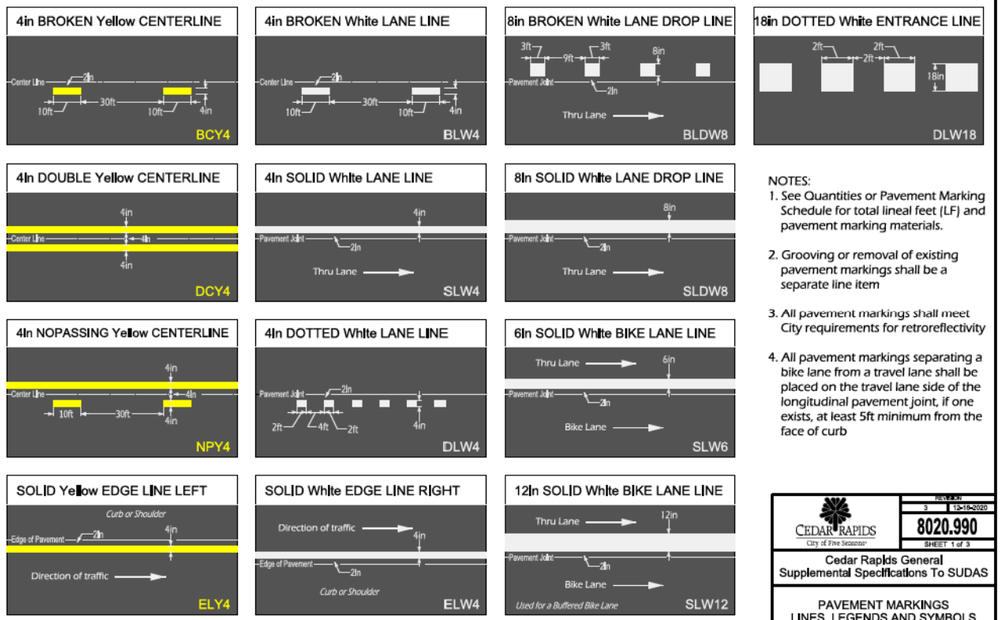
CEDAR RAPIDS, IA

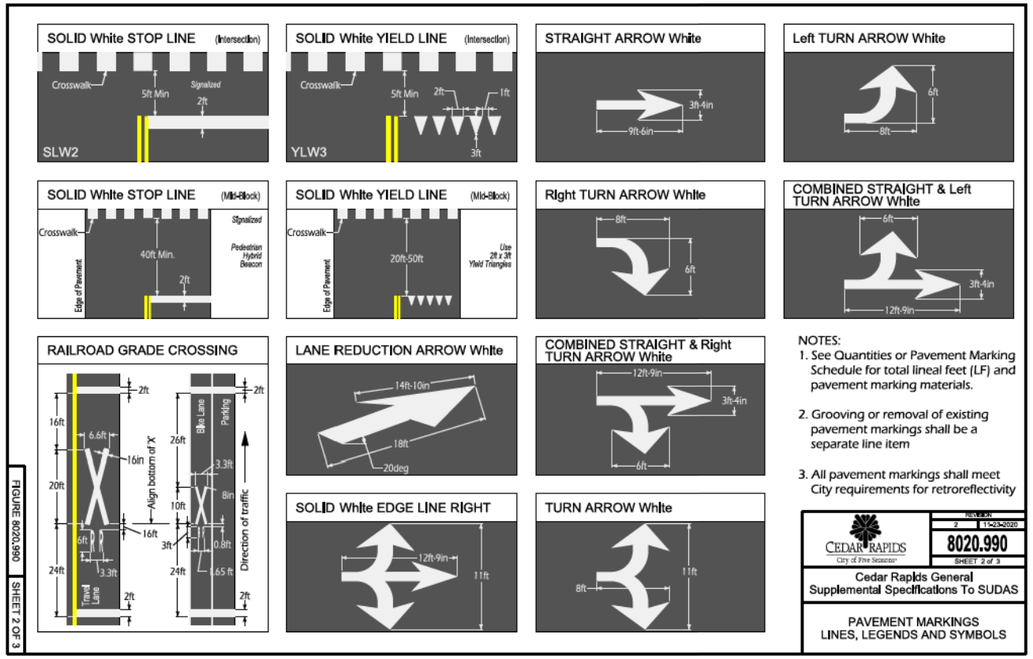
TYPICAL SECTIONS AND DETAILS

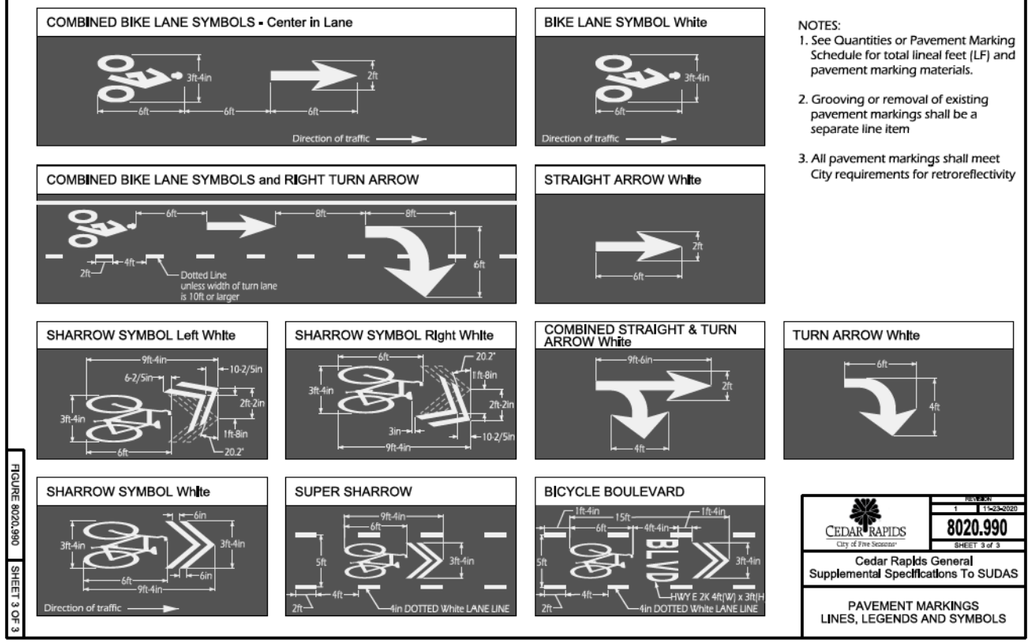
SHEET NO. B.11

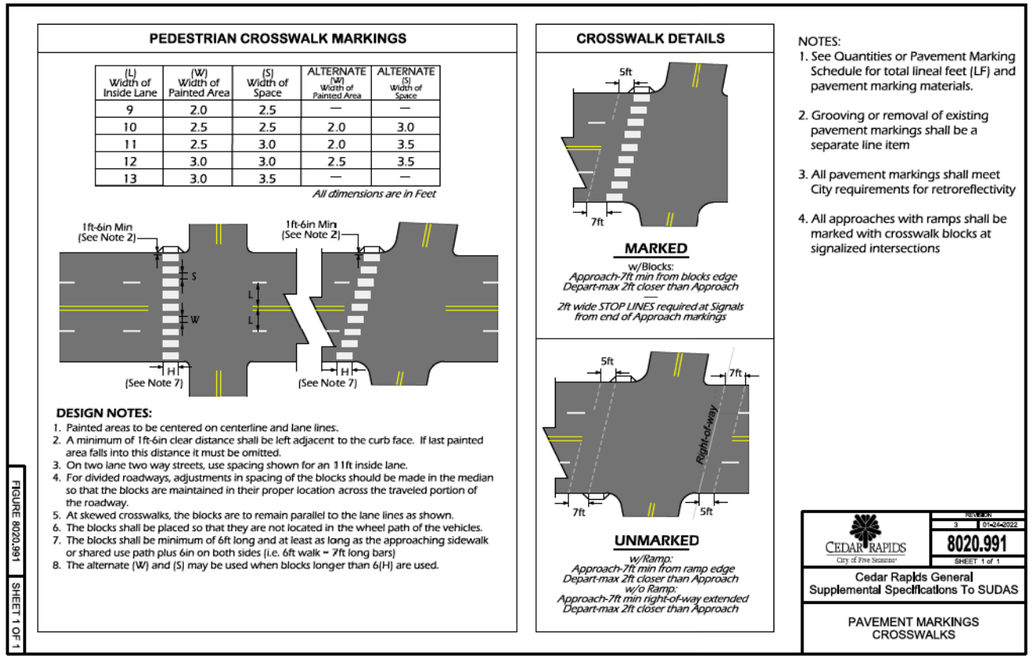
TAP-U-1187(793)--8I-57

pw://foth-pw.bentley.com:foth-pw-01\Documents\Clients\Cedar Rapids PW IA C\Edgewood Road NE Trail Phase 3\CAD\Plans\0022C005.02_B_SHT









CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 12:42:23 PM
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NO	DATE	BY	REVISION DESCRIPTION

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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

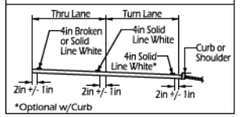
TYPICAL SECTIONS AND DETAILS

SHEET NO.
B.12
TAP-U-1187(793)--8I-57

pw://foth-pw.bentley.com:foth-pw-01:Documents\Clients\Cedar Rapids PW IA CIE\Edgewood Road NE Trail Phase 3\CAD\Plans\0022C005.02_B_SHT

FUTURE

TYPICAL - Right TURN LANE

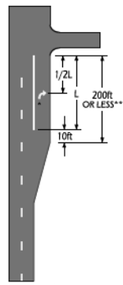


*Optional w/Curb

FUTURE

NOTES:
1. See Quantities or Pavement Marking Schedule for total lineal feet (LF) and pavement marking materials.
2. Grooving or removal of existing pavement markings shall be a separate line item
3. All pavement markings shall meet City requirements for retroreflectivity

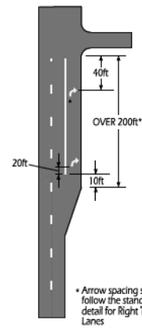
PLAN - Right TURN LANE (<= 200ft)



* Arrow spacing should follow the standard detail for Right Turn Lanes

** Measured from upstream side of existing STOP LINE or approximate STOP LINE (typically 8ft from line projected between sidewalk ramps)

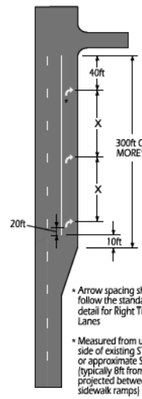
PLAN - Right TURN LANE (>200ft)



* Arrow spacing should follow the standard detail for Right Turn Lanes

* Measured from upstream side of existing STOP LINE or approximate STOP LINE (typically 8ft from line projected between sidewalk ramps)

PLAN - Right TURN LANE (>=300)



* Arrow spacing should follow the standard detail for Right Turn Lanes

* Measured from upstream side of existing STOP LINE or approximate STOP LINE (typically 8ft from line projected between sidewalk ramps)

FIGURE 8020.092 | SHEET 1 OF 2

CEDAR RAPIDS City of Five Seasons

REVISION	
2	01-24-2022

8020.992

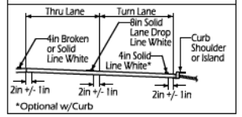
SHEET 1 of 2

Cedar Rapids General Supplemental Specifications To SUDAS

PAVEMENT MARKINGS
RIGHT TURN LANES

FUTURE

TYPICAL - Right TURN LANE

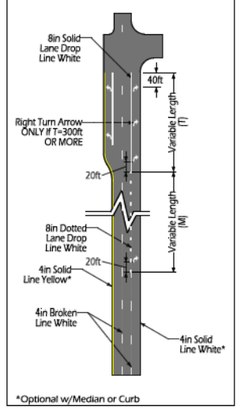


*Optional w/Curb

FUTURE

NOTES:
1. See Quantities or Pavement Marking Schedule for total lineal feet (LF) and pavement marking materials.
2. Grooving or removal of existing pavement markings shall be a separate line item
3. All pavement markings shall meet City requirements for retroreflectivity

MARKING PLAN - Right DROP LANE



*Optional w/Median or Curb

DESIGN - Right DROP LANE

Lane Drop Markings

Design Speed	Minimum Length	
	Turn Bay (T)	Merge Zone (M)
25	100	200
30	150	250
35	200	305
40	250	370
45	300	425
50	350	500
55	400	570
60	450	610
65	500	645

DESIGN NOTES:
1. All lengths shown above are in feet. Design Speed is in miles per hour (MPH).
2. When possible use a minimum of 200ft for the Turn Bay length and 250ft for the Merge Zone for all design speeds 35mph or below. Shorter lengths down to the minimums shown may be used if conditions warrant.
3. Arrow spacing should follow the standard detail for Legends, Arrows and Symbols. An Arrow may be added to turn lanes between 200ft and 300ft in length.
4. Adjust Arrows for driveways.

SIGNING PLAN - Right DROP LANE

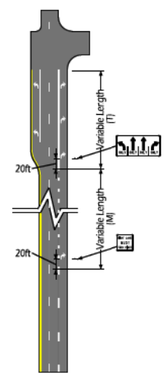


FIGURE 8020.092 | SHEET 2 OF 2

CEDAR RAPIDS City of Five Seasons

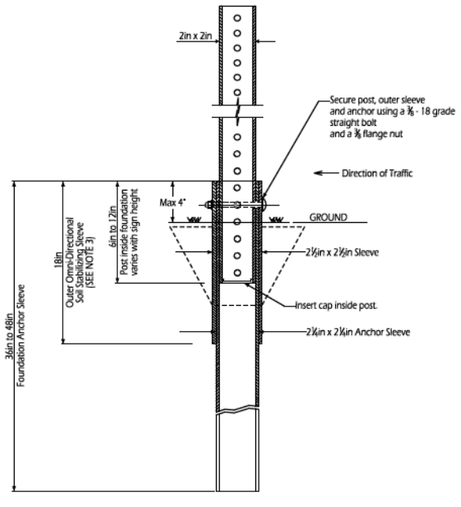
REVISION	
3	01-24-2022

8020.992

SHEET 2 of 2

Cedar Rapids General Supplemental Specifications To SUDAS

PAVEMENT MARKINGS
RIGHT TURN LANES



Soil Anchor
With or Without Stabilizers

NOTES:
1. See Quantities or Sign Schedule for total lineal feet (LF) of posts
2. Sign hardware and sign anchors are incidential. See Sign Table for type of sign anchor specified for each sign.
3. Soil stabilizers are required if sign SqFt exceeds 9 SqFt. If multiple signs are mounted on same post the the sum of SqFt for all signs should be used to determine requirement.

FIGURE 8940.101 | SHEET 1 OF 2

CEDAR RAPIDS City of Five Seasons

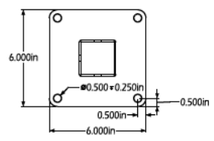
REVISION	
Rev1	12-16-2022

8940.101

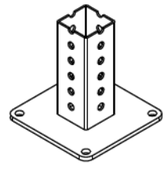
SHEET 1 of 2

Cedar Rapids General Supplemental Specifications To SUDAS

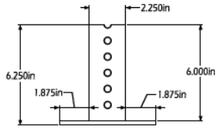
SIGN ANCHOR
DETAILS



TOP VIEW
Not to Scale



ISOMETRIC VIEW
Not to Scale



FRONT VIEW
Not to Scale

NOTES:
1. See Quantities or Sign Schedule for total lineal feet (LF) of posts
2. Sign hardware and sign anchors are incidential. See Sign Table for sign anchor specified for each sign.
3. 2.250in square post shall be 12 guage. Base plate is 0.250in hot or cold rolled

FIGURE 8940.101 | SHEET 2 OF 2

CEDAR RAPIDS City of Five Seasons

REVISION	
New	12-16-2022

8940.101

SHEET 2 of 2

Cedar Rapids General Supplemental Specifications To SUDAS

SIGN ANCHOR
DETAILS

pw://foth-pw.bentley.com:foth-pw-011\Documents\Clients\Cedar Rapids PW IA CE\Edgewood Road NE Trail Phase 3\CAD\Plans\0022C005.02_B_SHT

CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
LETTING DATE: 9/15/2026 CAD DATE: 6/16/2026 12:01:57 AM
CAD FILE: c:\pw_workdir\pw_ie\cjc\d0579164\0022C005.02_B_SHT.dgn

NO	DATE	BY	REVISION DESCRIPTION

Foth

EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE

CEDAR RAPIDS, IA

TYPICAL SECTIONS AND DETAILS

SHEET NO.
B.13
TAP-U-1187(793)--8I-57

ESTIMATED PROJECT QUANTITIES
(UP TO A 5 DIVISION PROJECT)

Division 1: PARTICIPATING
Division 2: NON-PARTICIPATING

Item No.	Item Code	Item	Unit	Quantities											
				Estimated						As Built					
				Division 1	Division 2	Division 3	Division 4	Division 5	Total	Division 1	Division 2	Division 3	Division 4	Division 5
1	2101-0850002	CLEARING AND GRUBBING	UNIT	96.8					96.8					
2	2102-0425070	SPECIAL BACKFILL	TON	2351					2351					
3	2102-2710070	EXCAVATION, CLASS 10, ROADWAY AND BORROW	CY	5986					5986					
4	2102-2710090	EXCAVATION, CLASS 10, WASTE	CY	1143					1143					
5	2105-8425015	TOPSOIL, STRIP, SALVAGE AND SPREAD	CY	2754					2754					
6	2113-0001100	SUBGRADE STABILIZATION MATERIAL, POLYMER GRID	SY	5097					5097					
7	2115-0100000	MODIFIED SUBBASE	CY	2131					2131					
8	2123-7450020	SHOULDER FINISHING, EARTH	STA	84					84					
9	2301-1033090	STANDARD OR SLIP FORM PCC PAVEMENT, CLASS C, CLASS 3 DURABILITY, 9 IN.	SY	1071					1071					
10	2303-1031750	HOT MIX ASPHALT STANDARD TRAFFIC, BASE COURSE, 3/4 IN. MIX	TON	274.9					274.9					
11	2303-1032500	HOT MIX ASPHALT STANDARD TRAFFIC, INTERMEDIATE COURSE, 1/2" MIX	TON	109.9					109.9					
12	2303-1033500	HOT MIX ASPHALT STANDARD TRAFFIC, SURFACE COURSE, 1/2 IN. MIX, NO SPECIAL FRICTION REQUIREMENT	TON	113.6					113.6					
13	2303-1258283	ASPHALT BINDER, PG 58-28S, STANDARD TRAFFIC	TON	29.9					29.9					
14	2401-6745910	REMOVAL OF SIGN	EACH	20					20					
15	2402-2725000	INTERMEDIATE FOUNDATION IMPROVEMENT	LS	1					1					
16	2402-2725002	INTERMEDIATE FOUNDATION IMPROVEMENT VERIFICATION TESTING	LS	1					1					
17	2416-0100018	CONCRETE APRON, DR-201, 18 IN.	EACH	1					1					
18	2416-0100024	CONCRETE APRON, DR-201, 24 IN.	EACH	1					1					
19	2431-0000100	SEGMENTAL BLOCK RETAINING WALL	SF	11783					11783					
20	2432-0000501	GRANULAR BACKFILL, MSE WALL	TON	6424					6424					
21	2435-0140148	MANHOLE, STORM SEWER, SW-401, 48 IN.	EACH	2					2					
22	2435-0140160	MANHOLE, STORM SEWER, SW-401, 60 IN.	EACH	1					1					
23	2435-0250700	INTAKE, SW-507	EACH	5					5					
24	2435-0250710	INTAKE, SW-507 MODIFIED	EACH	1					1					
25	2435-0250900	INTAKE, SW-509	EACH	3					3					
26	2435-0251224	INTAKE, SW-512, 24 IN.	EACH	2					2					
27	2435-0254100	INTAKE, SW-541	EACH	2					2					
28	2435-0254200	INTAKE EXTENSION UNIT, SW-542	EACH	2					2					
29	2435-0600010	MANHOLE ADJUSTMENT, MINOR	EACH	4					4					
30	2435-0600020	MANHOLE ADJUSTMENT, MAJOR	EACH	1					1					
31	2435-0600110	INTAKE ADJUSTMENT, MINOR	EACH	1					1					
32	2502-8212306	SUBDRAIN, STANDARD, PERFORATED, 6 IN., AS PER PLAN	LF	1079					1079					
33	2502-8221303	SUBDRAIN OUTLET, DR-303	EACH	8					8					
34	2503-0114215	STORM SEWER GRAVITY MAIN, TRENCHED, RCP, 2000D (CLASS III), 15 IN.	LF	1258					1258					
35	2503-0114218	STORM SEWER GRAVITY MAIN, TRENCHED, RCP, 2000D (CLASS III), 18 IN.	LF	428					428					
36	2503-0114224	STORM SEWER GRAVITY MAIN, TRENCHED, RCP, 2000D (CLASS III), 24 IN.	LF	364					364					
37	2503-0200036	REMOVE STORM SEWER PIPE LESS THAN OR EQUAL TO 36 IN.	LF	141					141					
38	2507-8029000	EROSION STONE	TON	75					75					
39	2510-6745850	REMOVAL OF PAVEMENT	SY	3019					3019					
40	2510-6750600	REMOVAL OF INTAKE AND UTILITY ACCESS	EACH	7					7					
41	2511-0302600	RECREATIONAL TRAIL, PORTLAND CEMENT CONCRETE, 6 IN.	SY	4441					4441					
42	2511-6745900	REMOVAL OF SIDEWALK	SY	237					237					
43	2511-7526005	SIDEWALK, P.C. CONCRETE, 5 IN.	SY	84					84					
44	2511-7528101	DETECTABLE WARNINGS	SF	474					474					
45	2512-1725256	CURB AND GUTTER, P.C. CONCRETE, 2.5 FT.	LF	211					211					
46	2512-1725306	CURB AND GUTTER, P.C. CONCRETE, 3.0 FT.	LF	1992					1992					
47	2512-1725406	CURB AND GUTTER, P.C. CONCRETE, 4.0 FT.	LF	193					193					
48	2516-8625000	COMBINED CONCRETE SIDEWALK AND RETAINING WALL	CY	25.2					25.2					
49	2519-1002042	FENCE, CHAIN LINK, 42 IN. HEIGHT	LF	1350					1350					
50	2524-9276010	PERFORATED SQUARE STEEL TUBE POSTS	LF	336					336					
51	2524-9276021	PERFORATED SQUARE STEEL TUBE POST ANCHOR, BREAK-AWAY SOIL INSTALLATION	EACH	19					19					
52	2524-9276024	PERFORATED SQUARE STEEL TUBE POST ANCHOR, BREAK-AWAY CONCRETE INSTALLATION	EACH	7					7					
53	2524-9325001	TYPE A SIGNS, SHEET ALUMINUM	SF	214.8					214.8					
54	2525-0000100	TRAFFIC SIGNALIZATION, SYSTEM A	LS	1					1					
55	2525-0000100	TRAFFIC SIGNALIZATION, SYSTEM B	LS	1					1					
56	2525-0000100	TRAFFIC SIGNALIZATION, SYSTEM C	LS	1					1					
57	2525-0000120	REMOVAL OF TRAFFIC SIGNALIZATION, SYSTEM A	LS	1					1					
58	2526-8285010	CONSTRUCTION SURVEY, MONUMENT PRESERVATION	LS	1					1					
59	2526-8285020	CONSTRUCTION SURVEY, CONTROL POINT SURVEY	LS	1					1					
60	2526-8285030	CONSTRUCTION SURVEY, RIGHT OF WAY	LS	1					1					
61	2526-8285040	CONSTRUCTION SURVEY, LOCATION SURVEY	LS	1					1					
62	2527-9263146	PAINTED SYMBOLS AND LEGENDS, METHYL METHACRYLATE (MMA), TWO COMPONENT TRAFFIC PAINT	EACH	5					5					
63	2527-9263152	PRE-CUT SYMBOLS AND LEGENDS, REGULAR MARKING TAPE	EACH	4					4					
64	2527-9263181	PAVEMENT MARKINGS REMOVED	STA	24					24					
65	2527-9263190	SYMBOLS AND LEGENDS REMOVED	EACH	12					12					
66	2527-9263217	PAINTED PAVEMENT MARKINGS, DURABLE	STA	24.1					24.1					
67	2527-9263218	PAINTED PAVEMENT MARKINGS, METHYL METHACRYLATE (MMA), TWO COMPONENT TRAFFIC PAINT	STA	94.2					94.2					
68	2527-9263231	REMOVABLE TAPE MARKINGS, WET RETROREFLECTIVE	STA	14.7					14.7					
69	2527-9270112	GROOVES CUT FOR PAVEMENT MARKINGS	STA	118.3					118.3					
70	2527-9270120	GROOVES CUT FOR SYMBOLS AND LEGENDS	EACH	5					5					
71	2528-8400048	TEMPORARY BARRIER RAIL, CONCRETE	LF	1608					1608					
72	2528-8445110	TRAFFIC CONTROL	LS	1					1					
73	2528-9109020	TEMPORARY LANE SEPARATOR SYSTEM	LF		100				100					
74	2528-9290050	PORTABLE DYNAMIC MESSAGE SIGN (PDMS)	CDAY	42					42					
75	2533-4980005	MOBILIZATION	LS	1					1					
76	2552-0000210	TRENCH FOUNDATION	TON	60					60					

ESTIMATED PROJECT QUANTITIES
(UP TO A 5 DIVISION PROJECT)

Division 1: PARTICIPATING
Division 2: NON-PARTICIPATING

Item No.	Item Code	Item	Unit	Quantities										
				Estimated						As Built				
				Division 1	Division 2	Division 3	Division 4	Division 5	Total	Division 1	Division 2	Division 3	Division 4	Division 5
77	2552-0000220	REMOVAL, DISPOSAL, AND REPLACEMENT OF UNSUITABLE BACKFILL MATERIAL	CY	127					127					
78	2552-0000300	TRENCH COMPACTION TESTING	LS	1					1					
79	2554-0112008	WATER MAIN, TRENCHED, DIP, CLASS 52, 8 IN.	LF		63				63					
80	2554-0112012	WATER MAIN, TRENCHED, DIP, CLASS 52, 12 IN.	LF	616					616					
81	2554-0203000	FITTINGS BY WEIGHT, DUCTILE IRON	LB	744	355				1099					
82	2554-0205115	WATER SERVICE STUB, COPPER, 1-1/2 IN.	LF	5					5					
83	2554-0205415	WATER SERVICE CORPORATION, COPPER, 1-1/2 IN.	EACH	1					1					
84	2554-0205600	WATER SERVICE CURB STOP AND BOX, REMOVE AND REINSTALL	EACH	1					1					
85	2554-0207008	VALVE, GATE, DIP, 8 IN.	EACH		1				1					
86	2554-0207012	VALVE, GATE, DIP, 12 IN.	EACH	1					1					
87	2554-0210201	FIRE HYDRANT ASSEMBLY, WM-201	EACH	3					3					
88	2554-0210205	FIRE HYDRANT ASSEMBLY REMOVAL	EACH	3					3					
89	2554-0212020	VALVE BOX EXTENSION	EACH	8					8					
90	2554-0212030	VALVE BOX REPLACEMENT	EACH	5					5					
91	2554-0214000	FIRE HYDRANT ADJUSTMENT	EACH	1					1					
92	2555-0000010	DELIVER AND STOCKPILE SALVAGED MATERIALS	LS		1				1					
93	2599-9999005	SUBDRAIN, CLEANOUTS, TYPE B	EACH	2					2					
94	2599-9999009	REMOVE WATER MAIN PIPE LESS THAN OR EQUAL TO 12 IN.	LF	600					600					
95	2599-9999010	CONCRETE WASHOUT	LS	1					1					
96	2599-9999018	MEDIAN, P.C. CONCRETE, 6 IN., COLORED AND STAMPED	SY	190					190					
97	2599-9999018	MEDIAN, P.C. CONCRETE, 9 IN., COLORED AND STAMPED	SY	124					124					
98	2601-2634150	MULCHING, WOOD CELLULOSE FIBER	ACRE	2.1					2.1					
99	2601-2636044	SEEDING AND FERTILIZING (URBAN)	ACRE	2.1					2.1					
100	2601-2638352	SLOPE PROTECTION, WOOD EXCELSIOR MAT	SQ	313					313					
101	2601-2639010	SODDING	SQ	163					163					
102	2601-2643411	TURF REINFORCEMENT MAT, TYPE 1	SQ	80					80					
103	2602-0000020	SILT FENCE	LF	2735					2735					
104	2602-0000071	REMOVAL OF SILT FENCE OR SILT FENCE FOR DITCH CHECKS	LF	2735					2735					
105	2602-0000160	ROCK CHECK DAM	LF	136					136					
106	2602-0000309	PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE, 9 IN. DIA.	LF	4310					4310					
107	2602-0000351	REMOVAL OF PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE	LF	4310					4310					
108	2602-0000500	OPEN-THROAT CURB INTAKE SEDIMENT FILTER, EC-602	LF	200					200					
109	2602-0000510	MAINTENANCE OF OPEN-THROAT CURB INTAKE SEDIMENT FILTER	EACH	20					20					
110	2602-0000520	REMOVAL OF OPEN-THROAT CURB INTAKE SEDIMENT FILTER	EACH	20					20					
111	2602-0000530	GRATE INTAKE SEDIMENT FILTER BAG, EC-604	EACH	8					8					
112	2602-0000540	MAINTENANCE OF GRATE INTAKE SEDIMENT FILTER BAG	EACH	8					8					
113	2602-0000550	REMOVAL OF GRATE INTAKE SEDIMENT FILTER BAG	EACH	8					8					
114	2602-0010010	MOBILIZATIONS, EROSION CONTROL	EACH	20					20					

ESTIMATE REFERENCE INFORMATION

Item No.	Item Code	Description
1	2101-0850002	CLEARING AND GRUBBING
		Refer to C-Sheet Tabulation 110-17 and I-Sheets for locations and additional information.
		Clearing and grubbing of all trees greater than 3-inches in diameter within the project grading limits has already been completed by others. This item has been included for miscellaneous brush and shrub removal.
		All debris shall be hauled off site and shall be considered incidental to this item. Contractor shall verify all removals with Engineer and the City prior to removal.
2	2102-0425070	SPECIAL BACKFILL
		Refer to B-Sheets and U-Sheets for location and additional information.
		Item has been included for placement under the segmental block retaining walls to stabilize subgrade.
		Refer to the Geotechnical Engineering report, included with the contract documents, for additional information.
3	2102-2710070	EXCAVATION, CLASS 10, ROADWAY AND BORROW
4	2102-2710090	EXCAVATION, CLASS 10, WASTE
		Class 10 Template Cut = 7,129 CY (Includes retaining wall excavation, Does not include topsoil stripping)
		Template Fill = 4,597 CY
		Template Fill w/ 30% Shrink = 5,986 CY
		Net Excess (Waste) = 1,143 CY (Template Cut minus Template Fill w/ shrink)
		Refer to the T-Sheets for Tabulation 107-28, and B-sheets for typical sections and wall backfill details.
		Overhaul will not be measured or paid for , but shall be considered incidental to excavation.
5	2105-8425015	TOPSOIL, STRIP, SALVAGE AND SPREAD
		Topsoil Stripping, 6" = 2,754 CY
		Topsoil Template Placement, 6" = 1,782 CY
		Topsoil Template Placement, 6" w/ 40% shrink = 2,503 CY
		Excess Topsoil = 256 CY (Topsoil stripping minus topsoil placement w/ shrink)
		Refer to the T-Sheets for Tabulation 107-28. Topsoil stripping depth is estimated to be 6-inches.
		Contractor may stockpile topsoil generated from stripping operations on the project site and may re-use topsoil from stripping operations or import material from another source.
6	2113-0001100	SUBGRADE STABILIZATION MATERIAL, POLYMER GRID
		Refer to B-Sheets and U-Sheets for location and additional information.
		Item has been included for placement under the segmental block retaining walls to stabilize subgrade.
		Refer to the Geotechnical Engineering report, included with the contract documents, for additional information.
		Three (3) layers of uniaxial geogrid spaced 1-ft apart shall be placed within the 2-ft Special Backfill.
7	2115-0100000	MODIFIED SUBBASE
		Refer to typical sections in B-Sheets and C-Sheet Tabulations 100-05, 100-25, FOTH-01, and FOTH-02 for additional information.
		6-Inch Thickness:
		Quantity includes area underneath 6" PCC trail plus 1-feet beyond paving on both sides, and under 6-inch median pavement.
		12-Inch Thickness:
		Quantity includes area underneath 9-inch PCC pavement plus 2-feet beyond the back of curb and/or edge of pavement, HMA pavement plus 2-feet beyond the pavement edge, and under curb & gutter sections plus 2-feet beyond back of curb.
8	2123-7450020	SHOULDER FINISHING, EARTH
		Refer to typical sections in B-Sheets for additional information.
		Item has been included for backfilling and finishing earthwork above subgrade adjacent to the trail (both sides), curb & gutter, and paved surfaces. Volume of earth fill is quantified in the Class 10 Excavation quantity.
9	2301-1033090	STANDARD OR SLIP FORM PCC PAVEMENT, CLASS C, CLASS 3 DURABILITY, 9 IN.
		Refer to B-Sheets, C-Sheet Tabulation 7010-01, and L-Sheets for location and additional information.
		Contractor shall provide Certified Plant Inspection per Iowa DOT Standard Specifications.
10	2303-1031750	HOT MIX ASPHALT STANDARD TRAFFIC, BASE COURSE, 3/4 IN. MIX
11	2303-1032500	HOT MIX ASPHALT STANDARD TRAFFIC, INTERMEDIATE COURSE, 1/2" MIX
12	2303-1033500	HOT MIX ASPHALT STANDARD TRAFFIC, SURFACE COURSE, 1/2 IN. MIX, NO SPECIAL FRICTION REQUIREMENT
13	2303-1258283	ASPHALT BINDER, PG 58-28S, STANDARD TRAFFIC
		This ERI note applies to bid items 10-13.
		Refer to B-Sheets, C-Sheet Tabulation 100-25, and L-Sheets for location and additional information.
		The HMA pavement section includes a 5.0" base course (placed in 2.5" lifts), 2" intermediate course, and 2" surface course. Use asphalt binder PG 58-28S for all HMA courses.
		Included for placement at storm sewer crossing replacement locations on Edgewood Road and new shoulder in the northeast quadrant of the Edgewood Road and 42nd Street intersection.
		Contractor shall provide Certified Plant Inspection per Iowa DOT Standard Specifications.

100-4A
10-29-02

ESTIMATE REFERENCE INFORMATION

Item No.	Item Code	Description
14	2401-6745910	REMOVAL OF SIGN
		Refer to C-Sheet Tabulation 8000-01 and I-Sheets for locations and additional information.
		Removal of the indicated signs are measured on a count basis per each and the Contractor will be paid the contract unit price per each for the actual quantity removed.
15	2402-2725000	INTERMEDIATE FOUNDATION IMPROVEMENT
16	2402-2725002	INTERMEDIATE FOUNDATION IMPROVEMENT VERIFICATION TESTING
		This ERI note applies to bid items 15-16.
		Refer to U-sheets for locations and Iowa DOT Developmental Specification for Intermediate Foundation Improvements (DS-23073) for additional information.
		The Geotechnical Engineering Report, included with the contract documents, indicate that a ~300-ft section of segmental block retaining wall foundation (Sta. 103+50 to 106+50) will require soil improvements to meet global stability requirements. The Intermediate Foundation Improvement area extends approximately 300' x 18' and depth to bedrock was found to be roughly 19-ft deep.
		Work is estimated to include 100 aggregate piers (2 rows with 6' spacing for 300'); 2.5' dia. and 19' depth.
17	2416-0100018	CONCRETE APRON, DR-201, 18 IN.
18	2416-0100024	CONCRETE APRON, DR-201, 24 IN.
		This ERI note applies to bid items 17-18.
		Refer to Tabulation 104-5B in M-sheets for locations and additional information.
		Bid items include apron guards, apron bedding and footings, and pipe connectors. The last three pipe joints shall be connected.
19	2431-0000100	SEGMENTAL BLOCK RETAINING WALL
		Refer to B-Sheets and U-Sheets for location and additional information.
		Retaining wall blocks shall be split-face, with straight geometry, uniform size 12"x8"x18" (DxHxW), and color gray or tan. The Contractor shall submit shop drawings to the City for approval by Engineer.
		Double top cap or double sided wall blocks (below the top cap) shall be installed in locations where the back of standard wall blocks would otherwise be exposed when the trail profile extends below the top cap.
		Quantity assumes a 2-ft embedment depth.
20	2432-0000501	GRANULAR BACKFILL, MSE WALL
		Refer to B-Sheets and U-Sheets for location and additional information.
		Item has been included for backfilling the segmental block retaining wall reinforcement zone. Refer to the Geotechnical Engineering report, included with the contract documents, for assumed geogrid reinforcement lengths.
21	2435-0140148	MANHOLE, STORM SEWER, SW-401, 48 IN.
22	2435-0140160	MANHOLE, STORM SEWER, SW-401, 60 IN.
23	2435-0250700	INTAKE, SW-507
24	2435-0250710	INTAKE, SW-507 MODIFIED
25	2435-0250900	INTAKE, SW-509
26	2435-0251224	INTAKE, SW-512, 24 IN.
27	2435-0254100	INTAKE, SW-541
28	2435-0254200	INTAKE EXTENSION UNIT, SW-542
		This ERI note applies to bid items 21-28.
		Refer to B-Sheets and Tabulation 104-5B in M-Sheets for location and additional information.
		Pre-cast structures will be allowed. All modifications required for pre-cast structures will be considered incidental to these items. Contractor shall partially install pipe as necessary based on staging plans.
		Refer to J-Sheets for additional information on staged storm sewer and structures.
		Refer to B-Sheets for details of the Modified SW-507 intake structure. This intake is located in the median at the Edgewood Road and Glass Road intersection and modified to have open throats on both sides of the median.
29	2435-0600010	MANHOLE ADJUSTMENT, MINOR
30	2435-0600020	MANHOLE ADJUSTMENT, MAJOR
31	2435-0600110	INTAKE ADJUSTMENT, MINOR
		This ERI note applies to bid items 29-31.
		Refer to Tabulation 4000-01 and I-Sheets for locations and additional information.
		Adjustment rings shall be Expanded Polypropylene (EPP) meeting ASTM D3575 and ASTM D4819-13. Only molded shield type infiltration barriers shall be allowed and are considered incidental to these items.
		Major adjustment is for abandonment of existing fiber manhole. Remove casting and top section, fill manhole with sand, cover with steel plate rated for HS-20 loading, and bury.
32	2502-8212306	SUBDRAIN, STANDARD, PERFORATED, 6 IN., AS PER PLAN
		Refer to the B-Sheet, C-Sheet Tabulation 104-9, and M-Sheets for locations and additional information.
		Subdrain pipe shall have smooth interior and corrugated exterior.
33	2502-8221303	SUBDRAIN OUTLET, DR-303
		Refer to the B-Sheet, C-Sheet Tabulation 104-9, and M-Sheets for locations and additional information.

ESTIMATE REFERENCE INFORMATION

Item No.	Item Code	Description
34	2503-0114215	STORM SEWER GRAVITY MAIN, TRENCHED, RCP, 2000D (CLASS III), 15 IN.
35	2503-0114218	STORM SEWER GRAVITY MAIN, TRENCHED, RCP, 2000D (CLASS III), 18 IN.
36	2503-0114224	STORM SEWER GRAVITY MAIN, TRENCHED, RCP, 2000D (CLASS III), 24 IN.
		This ERI note applies to bid items 34-36.
		Refer to Tabulation 104-5B in the M-Sheets for location and additional information.
		Wrap pipe joints with engineering fabric and backfill with granular bedding/backfill material in accordance with Iowa DOT Standard Road Plan SW-102 Class R-2. All storm sewer installed shall be backfilled with granular material meeting Section 4119 specifications (Iowa DOT gradation no. 11). Granular backfill shall be placed up to bottom of subbase elevation. Backfill material will not be paid for separately but shall be considered incidental to the pipe.
		Temporary pipe connections required for staging are incidental to this item.
37	2503-0200036	REMOVE STORM SEWER PIPE LESS THAN OR EQUAL TO 36 IN.
		Refer to C-Sheet Tabulation 110-14 and I-Sheets for locations and additional information.
		Removals within paved areas shall be backfilled with Class A road stone and is incidental to this item.
38	2507-8029000	EROSION STONE
		Refer to RR-Sheets for locations of erosion stone to be placed at pipe outlets. Refer to Tabulation 104-5B in the M-Sheets for the storm sewer pipe outlets.
39	2510-6745850	REMOVAL OF PAVEMENT
		Refer to C-Sheet Tabulation 110-01 and I-Sheets for locations and additional information. Properly dispose of all pavement off-site.
		The existing pavement thickness is approximately 7-9" of PCC and/or HMA.
40	2510-6750600	REMOVAL OF INTAKE AND UTILITY ACCESS
		Refer to C-Sheet Tabulation 110-15 and I-Sheets for removal locations and additional information.
41	2511-0302600	RECREATIONAL TRAIL, PORTLAND CEMENT CONCRETE, 6 IN.
		Refer to typical sections in B-Sheets, C-Sheet Tabulation FOTH-01, and D-Sheets for additional information.
		Quantity includes all curb ramps and landings on the project and the pavement adjacent to the segmental block retaining walls. Integral 6-inch standard curb adjacent to the trail through median islands is incidental to this item. All trails/sidewalks located within median islands are classified as trail regardless of width.
		Contractor shall provide Certified Plant Inspection per Iowa DOT Standard Specifications.
42	2511-6745900	REMOVAL OF SIDEWALK
		Refer to C-Sheet Tabulation 110-05 and I-Sheets for locations and additional information.
		The existing sidewalk thickness is assumed to be approximately 4" of concrete. Removal of sidewalk thicknesses greater than 4" shall be incidental to this item.
		This item also includes removal of temporary sidewalk installed for sidewalk detours in Stages 4C and 5B.
		Refer to the J-Sheets for additional information.
43	2511-7526005	SIDEWALK, P.C. CONCRETE, 5 IN.
44	2511-7528101	DETECTABLE WARNINGS
		This ERI note applies to bid items 43-44.
		Refer to C-Sheet Tabulation FOTH-01 and L-Sheets for locations and additional information.
		The 5-inch sidewalk item is included to connect existing sidewalk to the new trail.
		Detectable warnings shall be cast iron, color "Brick Red" (Federal #22144 or equivalent).
		Temporary 5-inch sidewalk and detectable warnings are also included in these quantities associated with sidewalk detour routes for Stages 4C and 5B. Refer to the J-Sheets for additional information.
		Contractor shall provide Certified Plant Inspection per Iowa DOT Standard Specifications.
45	2512-1725256	CURB AND GUTTER, P.C. CONCRETE, 2.5 FT.
46	2512-1725306	CURB AND GUTTER, P.C. CONCRETE, 3.0 FT.
47	2512-1725406	CURB AND GUTTER, P.C. CONCRETE, 4.0 FT.
		This ERI note applies to bid items 45-47.
		Refer to typical sections in B-Sheets, C-Sheet Tabulations 100-05, D-sheets, and L-Sheets for locations and additional information. Curb and gutter thickness is 9-inch with 6-inch standard curb.
		Additional PCC pavement for special shaping areas where the curb & gutter width varies (e.g. matching jointing at returns) totals approximately 9 SY and is considered incidental to the curb and gutter quantities.
		Contractor shall provide Certified Plant Inspection per Iowa DOT Standard Specifications.
48	2516-8625000	COMBINED CONCRETE SIDEWALK AND RETAINING WALL
		Refer to C-Sheet Tabulation 108-16 and U-Sheets for locations and additional information.
		The combined sidewalk retaining wall is located in the southwest corner of Edgewood Rd and North River Blvd, adjacent to the existing marble landscaping wall. The full trail width adjacent to the trail is included in Combined Concrete Sidewalk and Retaining Wall quantity for the length of the wall.
		Contractor shall provide Certified Plant Inspection per Iowa DOT Standard Specifications.

100-4A
10-29-02

ESTIMATE REFERENCE INFORMATION

Item No.	Item Code	Description
49	2519-1002042	FENCE, CHAIN LINK, 42 IN. HEIGHT
		Refer to typical sections in B-Sheets and U-Sheets for locations and additional information.
		Chain link fence shall be placed adjacent to the retaining walls; between the back of trail and the top of wall.
		The chain link fence shall be vinyl, color "Black".
		The fence post footings will be in close proximity to the retaining wall.
50	2524-9276010	PERFORATED SQUARE STEEL TUBE POSTS
51	2524-9276021	PERFORATED SQUARE STEEL TUBE POST ANCHOR, BREAK-AWAY SOIL INSTALLATION
52	2524-9276024	PERFORATED SQUARE STEEL TUBE POST ANCHOR, BREAK-AWAY CONCRETE INSTALLATION
53	2524-9325001	TYPE A SIGNS, SHEET ALUMINUM
		This ERI note applies to bid items 50-53.
		Refer to C-Sheet Tabulation 190-51 and PM-Sheets for locations and additional information.
54	2525-0000100	TRAFFIC SIGNALIZATION, SYSTEM A
55	2525-0000100	TRAFFIC SIGNALIZATION, SYSTEM B
56	2525-0000100	TRAFFIC SIGNALIZATION, SYSTEM C
		This ERI note applies to bid items 54-56.
		This item is for the installation of signals as shown in the N-Sheets. Refer to Traffic Signal System Quantities tabulation on sheet N.1 for a breakdown of items and Special Provisions for additional information.
		Item includes a new traffic signal at the Glass Road intersection, and pedestrian signal modifications and remote push buttons at both the 42nd Street intersection and North River Blvd intersection.
		Removal of traffic signalization for System 'B' and System 'C' are incidental to their respective system.
		This includes miscellaneous pedestrian signal equipment at the 42nd Street and North River Blvd intersections.
57	2525-0000120	REMOVAL OF TRAFFIC SIGNALIZATION, SYSTEM A
		Item included for removal of the existing traffic signal at the Glass Road intersection and miscellaneous pedestrian signal equipment at the 42nd Street and North River Blvd intersections. Refer to the N-Sheets for additional information.
58	2526-8285010	CONSTRUCTION SURVEY, MONUMENT PRESERVATION
59	2526-8285020	CONSTRUCTION SURVEY, CONTROL POINT SURVEY
60	2526-8285030	CONSTRUCTION SURVEY, RIGHT OF WAY
61	2526-8285040	CONSTRUCTION SURVEY, LOCATION SURVEY
		This ERI note applies to bid items 58-61.
		Refer to control point and alignment tabulation in G-Sheets.
		This item includes all survey work necessary for the construction of this project as intended by the Contract Documents and approved revisions, including staking for curb ramps.
		Additional survey work required to re-stake survey points disturbed during construction will not be paid for separately but shall be considered incidental to this item. Contractor shall protect survey stakes or replace as needed with no additional compensation.
62	2527-9263146	PAINTED SYMBOLS AND LEGENDS, METHYL METHACRYLATE (MMA), TWO COMPONENT TRAFFIC PAINT
		Refer to C-Sheet Tabulation 108-29 and PM-Sheets for locations and types of markings.
		Included for permanent pavement marking symbols. Material shall be in accordance with Iowa DOT I.M. 483.09.
		Minimum MMA application thickness of 40 mils. Mix ratio 98:2.
63	2527-9263152	PRE-CUT SYMBOLS AND LEGENDS, REGULAR MARKING TAPE
		Refer to C-Sheet Tabulation 108-29 and J-Sheets for locations and types of markings.
		Included for temporary pavement marking symbols required for traffic control.
64	2527-9263181	PAVEMENT MARKINGS REMOVED
		Refer to C-Sheet Tabulation 108-22B and J-Sheets for locations and additional information.
65	2527-9263190	SYMBOLS AND LEGENDS REMOVED
		Refer to C-Sheet Tabulation 108-29, I-Sheets and J-Sheets for locations and types of markings.
66	2527-9263217	PAINTED PAVEMENT MARKINGS, DURABLE
		Refer to C-Sheet Tabulation 108-22 and PM-Sheets for locations and types of markings.
67	2527-9263218	PAINTED PAVEMENT MARKINGS, METHYL METHACRYLATE (MMA), TWO COMPONENT TRAFFIC PAINT
		Refer to C-Sheet Tabulation 108-22 and PM-Sheets for locations and types of markings.
		Included for permanent stop bars and cross walk bars. Material shall be in accordance with Iowa DOT I.M. 483.09.
		Minimum MMA application thickness of 40 mils. Mix ratio 98:2.
68	2527-9263231	REMOVABLE TAPE MARKINGS, WET RETROREFLECTIVE
		Refer to C-Sheet Tabulation 108-22A and J-Sheets for locations and types of markings.
		Bid item included for temporary pavement markings to be installed during construction.
		Removal of the temporary pavement marking tape is incidental to this item.
69	2527-9270112	GROOVES CUT FOR PAVEMENT MARKINGS
		Refer to C-Sheet Tabulation 108-22 and PM-Sheets for locations and types of markings that require grooves.
70	2527-9270120	GROOVES CUT FOR SYMBOLS AND LEGENDS
		Refer to C-Sheet Tabulation 108-29 and PM-Sheets for locations of symbols that require grooves.

ESTIMATE REFERENCE INFORMATION

Item No.	Item Code	Description
71	2528-8400048	TEMPORARY BARRIER RAIL, CONCRETE
		Refer to J-Sheets for location of temporary barrier rail. Included for use during Stage 3 for retaining wall excavation adjacent to the southbound travel lane on Edgewood Rd, and during Stage 5B for the on-street sidewalk detour. TBR adjacent to retaining wall excavation shall be anchored.
72	2528-8445110	TRAFFIC CONTROL
		Refer to J-Sheets for staging and traffic control details.
		Includes all traffic control and equipment necessary to maintain traffic in accordance with the Manual on Uniform Traffic Control Devices for Streets and Highways, as adopted by the Department per 761 of the Iowa Administrative Code (IAC), Chapter 130.
		A written traffic control plan shall be submitted to the Engineer for review before work begins. Signed detour routes will be required for right turn bypass lane closures during night work. Additional closures necessary to accommodate changes to construction staging shall be incidental to the traffic control item.
73	2528-9109020	TEMPORARY LANE SEPARATOR SYSTEM
		Refer to D-Sheets, and PM-Sheets for location.
		Installation shall be permanent and become property of the City.
74	2528-9290050	PORTABLE DYNAMIC MESSAGE SIGN (PDMS)
		Refer to the staging notes in the J-Sheets for additional information.
		Item includes use of signs at 6 locations for a duration of 7 days each.
75	2533-4980005	MOBILIZATION
76	2552-0000210	TRENCH FOUNDATION
		Refer to M-sheets and MWM-sheets for storm sewer and water main locations and pipe sizes.
		This item is included as a contingency item and shall only be used if authorized by the Engineer. Estimated quantity is based on 10% of trench length; trench width for water main and storm sewer in accordance with Iowa DOT Standard Specification Section 2552; thickness of 12"; and a unit density of 140 pounds per cubic foot.
77	2552-0000220	REMOVAL, DISPOSAL, AND REPLACEMENT OF UNSUITABLE BACKFILL MATERIAL
		Refer to M-sheets and MWM-sheets for storm sewer and water main locations and pipe sizes.
		This item is included as a contingency item and shall only be used if authorized by the Engineer. Estimated quantity is based on 10% of trench length; trench width for water main and storm sewer in accordance with Iowa DOT Standard Specification Section 2552; and a depth of 48". Hauling and disposal of excavated material is included.
78	2552-0000300	TRENCH COMPACTION TESTING
		The Contractor will be responsible for trench compaction testing. Testing shall be performed by an independent testing laboratory hired by the Contractor.
79	2554-0112008	WATER MAIN, TRENCHED, DIP, CLASS 52, 8 IN.
80	2554-0112012	WATER MAIN, TRENCHED, DIP, CLASS 52, 12 IN.
		This ERI note applies to bid items 79-80.
		Refer to C-Sheet Tabulation 5010-01, MWM-Sheets for locations, and Special Provisions for additional information.
		The 8-inch water main is included to make a connection from the existing 12-inch main along Edgewood Road to the existing 8-inch main on Woodview Drive. The 12-inch water main is included to replace existing water main that will be in conflict with retaining wall construction.
		All temporary fittings, valves, caps, testing ports, and blow-off hydrants utilized to install and test water main as necessary for construction staging shall be considered incidental to this item.
		Contractor shall coordinate all pressure testing and disinfection with the City of Cedar Rapids Water Division.
81	2554-0203000	FITTINGS BY WEIGHT, DUCTILE IRON
		Refer to C-Sheet Tabulation 5010-02, MWM-Sheets for locations, and Special Provisions for additional information. Nitrile gaskets shall be used and are incidental.
82	2554-0205115	WATER SERVICE STUB, COPPER, 1-1/2 IN.
83	2554-0205415	WATER SERVICE CORPORATION, COPPER, 1-1/2 IN.
84	2554-0205600	WATER SERVICE CURB STOP AND BOX, REMOVE AND REINSTALL
		This ERI note applies to bid items 82-84.
		Refer to C-Sheet Tabulation 5010-03, MWM-Sheets for locations, and Special Provisions for additional information.
85	2554-0207008	VALVE, GATE, DIP, 8 IN.
86	2554-0207012	VALVE, GATE, DIP, 12 IN.
		This ERI note applies to bid items 85-86.
		Refer to C-Sheet Tabulation 5020-01, MWM-Sheets for locations, and Special Provisions for additional information.
87	2554-0210201	FIRE HYDRANT ASSEMBLY, WM-201
		Refer to C-Sheet Tabulation 5020-02, MWM-Sheets for locations and Special Provisions for additional information.
88	2554-0210205	FIRE HYDRANT ASSEMBLY REMOVAL
		Refer to C-Sheet Tabulation 5020-03, I-Sheets for locations, and Special Provisions for additional information.

100-4A
10-29-02

ESTIMATE REFERENCE INFORMATION

Item No.	Item Code	Description
89	2554-0212020	VALVE BOX EXTENSION
90	2554-0212030	VALVE BOX REPLACEMENT
91	2554-0214000	FIRE HYDRANT ADJUSTMENT
		This ERI note applies to bid items 89-91.
		Refer to C-Sheet Tabulation 4000-01, I-Sheets, and MWM-Sheets for locations of adjustments, and Special Provisions for additional information.
		Valve Box Extensions were counted for all water valves located within the grading limits that are to remain, excluding valves located within the trail pavement that are to be replaced.
		The Valve Box Replacement bid item is included to replace valve boxes and/or stop boxes located within the trail pavement. These boxes shall be installed with a locking lid.
92	2555-0000010	DELIVER AND STOCKPILE SALVAGED MATERIALS
		This items has been included for existing traffic signal equipment and fire hydrants. Equipment shall be protected and retained at the construction site until its condition can be evaluated by the City Traffic and Water Department inspectors respectively. If equipment is determined to be in serviceable condition or contain salvageable parts they are to be delivered the City departments accordingly. If it is determined that they are not salvageable, then the Contractor shall dispose of them (incidental to this item).
		Refer to Tabulation 5020-03 for hydrant removals and the N-Sheets for traffic signal equipment.
		This is a lump sum item and no measurement will be made. Payment will be the contract lump sum price. Lump sum price includes all labor, material, and equipment to deliver and stockpile salvaged material as indicated in the contract documents.
93	2599-9999005	SUBDRAIN, CLEANOUTS, TYPE B
		Refer to C-Sheet Tabulation 104-9 and M-Sheets for subdrain locations and B-Sheets for cleanout details.
		Method of Measurement: Count basis per each.
		Basis of Payment: The Contractor shall be paid the contract unit price per each based on the plan quantity. This shall be considered full compensation for furnishing all materials, equipment, and labor for the installation of subdrain cleanouts in accordance with the contract documents.
94	2599-9999009	REMOVE WATER MAIN PIPE LESS THAN OR EQUAL TO 12 IN.
		Refer to C-Sheet Tabulation 5010-04 and I-Sheets for water main removal locations, and Special Provisions for additional information.
		Method of Measurement: Water main removal is measured in lineal feet.
		Basis of Payment: The Contractor shall be paid the contract unit price per lineal feet removed based on actual quantity as measured by the Engineer.
95	2599-9999010	CONCRETE WASHOUT
		Bid item has been included for installation and removal of concrete washouts to be used during construction.
		Method of Measurement: This is a lump sum item and no measurement will be made.
		Basis of Payment: The Contractor shall be paid the contract lump sum price. Lump sum price includes furnishing all materials, equipment, and labor necessary for installation, use, and disposal of concrete washouts that meet EPA minimum BPA measures.
96	2599-9999018	MEDIAN, P.C. CONCRETE, 6 IN., COLORED AND STAMPED
97	2599-9999018	MEDIAN, P.C. CONCRETE, 9 IN., COLORED AND STAMPED
		This ERI note applies to bid items 96-97.
		Refer to B-Sheet details, C-Sheet Tabulation FOTH-02, D-Sheets, and L-Sheets for placement locations.
		Method of Measurement: Stamped Colored Median Pavement will be measured in squared yards as shown in the contract documents.
		Basis of Payment: The Contractor shall be paid the contract unit price per square yard based on the plan quantity. This shall be considered full compensation for furnishing all materials, equipment, and labor for installation of the stamped colored median pavement in accordance with the contract documents.
		Thickened edge at back of curb is incidental to this item.
		Integral concrete color shall be added according to the manufacturer's instructions and shall comply with ASTM C979. Dosage rate of color additive shall not exceed 10 percent of weight of cementitious materials in mix. Concrete color shall be "Dark Gray" and samples shall be provided to the Engineer for selection and approval prior to use; the color sample is incidental to this item.
		Refer to Iowa DOT Standard Specification Section 2301. Stamped pattern shall be brick herringbone.
		Contractor shall provide Certified Plant Inspection per Iowa DOT Standard Specifications.
98	2601-2634150	MULCHING, WOOD CELLULOSE FIBER
		Refer to RR-Sheets for additional information.
99	2601-2636044	SEEDING AND FERTILIZING (URBAN)
		Refer to RR-Sheets for seeding locations.
		The top 6-inches of the seed bed shall be free of rock and debris and shall be suitable for the establishment of vegetation with the approval of the Engineer.

ESTIMATE REFERENCE INFORMATION

Item No.	Item Code	Description
		Seed mixture shall be Type 1 (Permanent Lawn Mixture). Should the Contractor fail to apply the permanent
		seed mixture within the specified seeding window, the Contractor shall be required to apply, at the
		Contractors expense, a temporary lawn mixture, Type 4 (Urban Temporary Control Mixture), until the specified
		permanent seeding window has opened. Coordinate final locations with Engineer prior to installation. The
		Contractor is responsible for mowing and maintaining seeding areas until the project is accepted by the Owner.
		Seeding of areas disturbed outside of the construction limits shall be the responsibility of the Contractor
		at no additional cost to the Owner.
100	2601-2638352	SLOPE PROTECTION, WOOD EXCELSIOR MAT
		Refer to C-Sheet Tabulation 100-22 and RR-Sheets for additional information.
		Included to be placed on slopes 4:1 or greater.
101	2601-2639010	SODDING
		Refer to RR-Sheets for details and locations.
102	2601-2643411	TURF REINFORCEMENT MAT, TYPE 1
		Refer to C-Sheet Tabulation 100-22, M-Sheets and RR-Sheets for location and additional information.
		The turf mat is to be placed at the pipe outlet (S-4) in the ditch adjacent to the new retaining wall.
103	2602-0000020	SILT FENCE
104	2602-0000071	REMOVAL OF SILT FENCE OR SILT FENCE FOR DITCH CHECKS
		This ERI note applies to bid items 103-104.
		Refer to C-Sheet Tabulations 100-17 and RR-Sheets for additional information. To be placed at grading limits.
		Place silt fence to protect against erosion and keep sediment within project limits during construction.
		Verify locations with Engineer prior to beginning placement.
		Contractor shall remove all silt fence installed once construction is complete.
105	2602-0000160	ROCK CHECK DAM
		Refer to M-sheets and RR-Sheets for location and additional information. Rock check dams are to be placed
		downstream from the pipe outlet (S-4) in the ditch adjacent to the new retaining wall.
106	2602-0000309	PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE, 9 IN. DIA.
107	2602-0000351	REMOVAL OF PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE
		This ERI note applies to bid items 106-107.
		Refer to C-Sheet Tabulations 100-19 and RR-Sheets for additional information. To be placed at the back of curb
		and around curb ramps.
		Place perimeter and slope sediment control devices to address possible erosion during construction. Verify
		locations with Engineer prior to beginning placement.
		Contractor shall remove all perimeter and slope sediment control devices installed once construction is
		complete.
108	2602-0000500	OPEN-THROAT CURB INTAKE SEDIMENT FILTER, EC-602
109	2602-0000510	MAINTENANCE OF OPEN-THROAT CURB INTAKE SEDIMENT FILTER
110	2602-0000520	REMOVAL OF OPEN-THROAT CURB INTAKE SEDIMENT FILTER
111	2602-0000530	GRATE INTAKE SEDIMENT FILTER BAG, EC-604
112	2602-0000540	MAINTENANCE OF GRATE INTAKE SEDIMENT FILTER BAG
113	2602-0000550	REMOVAL OF GRATE INTAKE SEDIMENT FILTER BAG
		This ERI note applies to bid items 108-113.
		Refer to C-Sheet Tabulations 100-36 and 100-37 and RR-Sheets for additional information.
		Sediment filters to be installed at the beginning of construction at existing intakes and at new intakes as
		soon as intake construction is complete to keep sediment out of storm sewer pipes. Keep in place until
		permanent seeding has been established.
114	2602-0010010	MOBILIZATIONS, EROSION CONTROL

STANDARD ROAD PLANS

The following Standard Road Plans apply to construction work on this project.

Number	Date	Title
BA-401	04-20-21	TEMPORARY BARRIER RAIL (PRECAST CONCRETE)
DR-101	4-18-17	PIPE CULVERT (BEDDING AND BACKFILL)
DR-201	10-17-23	CONCRETE APRONS
EC-103	04-21-15	WOOD EXCELSIOR MAT FOR SLOPE PROTECTION
EC-104	04-17-18	TURF REINFORCEMENT MAT (TRM)
EC-201	04-20-21	SILT FENCE
EC-204	10-19-21	PERIMETER, SLOPE AND DITCH CHECK SEDIMENT CONTROL DEVICES
EC-301	10-18-22	ROCK EROSION CONTROL (REC)
EC-302	10-18-22	ROCK CHECK DAMN
EC-602	10-15-24	OPEN-THROAT CURB INTAKE SEDIMENT FILTER
MI-221	04-15-25	COMBINED RETAINING WALL-SIDEWALK
PV-101	04-15-25	JOINTS
PV-102	04-21-20	PCC CURB DETAILS
PV-104	04-21-20	RAMPED MEDIAN NOSE
SI-101	04-19-16	LOCATIONS TYPE "A" SIGNS
SI-131	10-18-16	INSTALLATION- TYPE "A" SIGNS
SI-173	04-19-16	OBJECT MARKERS
SI-881	04-16-19	SPECIAL SIGNS FOR WORKZONES
SW-101	04-17-18	TRENCH BEDDING AND BACKFILL ZONES
SW-401	04-20-21	CIRCULAR STORM SEWER MANHOLE
SW-507	04-21-20	SINGLE OPEN-THROAT CURB INTAKE, SMALL BOX
SW-512	04-21-20	CIRCULAR AREA INTAKE
SW-541	4-21-20	OPEN-THROAT CURB INTAKE UNDER PAVEMENT
SW-542	10-20-20	EXTENSION UNIT FOR OPEN-THROAT CURB INTAKE UNDER PAVEMENT
SW-602	04-21-20	CASTINGS FOR STORM SEWER MANHOLES
SW-604	04-21-20	CASTINGS FOR AREA INTAKES
TC-402	04-18-23	WORK WITHIN 15 FT OF TRAVELED WAY
TC-416	10-16-19	PARTIAL LANE CLOSURE ON RAMPS
TC-418	04-18-23	LANE CLOSURE ON DIVIDED HIGHWAY
TC-419	04-18-23	LANE CLOSURE ON UNDIVIDED HIGHWAY
TC-422	04-18-23	CLOSURE OF TWO ADJACENT LANES ON DIVIDED HIGHWAY
TC-601	10-15-19	PEDESTRIAN DETOUR
WM-101	10-18-16	THRUST BLOCKS

INDEX OF TABULATIONS

Tabulation	Tabulation Title	Sheet No.
100-01C	Estimated Project Quantities	C.1-C.2
100-04A	Estimate Reference Information	C.3-C.6
100-05	Curb and Gutter	C.8
100-07	Fencing	C.7
100-17	Tabulation of Silt Fences	C.15
100-19	Perimeter, Slope and Ditch Check Sediment Control Devices	C.15
100-22	Rolled Erosion Control	C.15
100-25	HMA Pavement	C.8
100-36	Open-Throat Curb Intake Sediment Filter	C.15
100-37	Grate Intake Sediment Filter Bag	C.15
104-5B	Storm Sewer	M.1
104-9	Longitudinal Subdrain Shoulder and Backslope	C.11
105-04	Standard Road Plans	C.6
108-16	Combined Sidewalk and Retaining Wall	C.9
108-22	Pavement Marking Line Types	C.13
108-22A	Temporary Pavement Marking Line Types	C.14
108-22B	Pavement Marking Removal Line Types	C.12
108-29	Pavement Marking Symbols and Legends	C.14
110-01	Removal of Pavement	C.7
110-05	Sidewalk Removal	C.9
110-12	Pollution Prevention Plan	RR.9-RR.10
110-14	Sanitary or Storm Sewer Abandonment or Removal	C.11
110-15	Removal of Intakes and Utility Accesses	C.11
110-17	Clearing and Grubbing	C.7
111-25	Index of Tabulations	C.6
FOTH-02	Concrete Medians	C.7
FOTH-01	Sidewalks	C.9
190-51	Materials for Type 'A' Signs	C.12
4000-01	Adjustment of Structures	C.10
5010-01	List of Water Main Pipe	C.10
5010-02	List of Water Main Fittings	C.10
5010-03	List of Water Service Stubs	C.10
5010-04	Water Main Removals	C.10
5020-01	List of Water Valve Assemblies	C.10
5020-02	List of Hydrant Assemblies	C.10
5020-03	Hydrant Assembly Removals	C.10
7010-01	PCC Pavement Tabulation	C.7
8000-01	Tabulation of Existing Signs to be Removed or removed and Replaced	C.11

110-17
04-18-17

CLEARING AND GRUBBING

Location			Trees, Stumps, and Logs and Down Timber Material Diameters												All Other Materials		Estimated Quantities			
Station to Station or Ref. Loc. Sign to Ref. Loc. Sign or Description	Direction of Travel	Work and Material Type	3"-6"	>6"-9"	>9"-12"	>12"-15"	>15"-18"	>18"-24"	>24"-30"	>30"-36"	>36"-42"	>42"-48"	>48"-60"	>60"-72"	>72"	Length	Width	Units	Area	Herbicide Application	Remarks
																FT	FT	Units	Acres	Each	
108+00 to 112+00	SB	Brush - Clearing														400.0	25.0	80.0			
112+70 to 112+85	SB	Brush - Clearing														15.0	15.0	1.8			
209+60 to 209+75	SB	Brush - Clearing														15.0	15.0	1.8			
209+85 to 210+00	SB	Brush - Clearing														15.0	15.0	1.8			
210+15 to 2010+30	SB	Brush - Clearing														15.0	15.0	1.8			
210+70 to 210+85	SB	Brush - Clearing														15.0	15.0	1.8			
211+00 to 211+50	SB	Brush - Clearing														50.0	15.0	6.0			
212+15 to 212+30	SB	Brush - Clearing														15.0	15.0	1.8			
																		96.8			

100-7
10-16-12

FENCING

* Bid Item

Refer to MI-101, MI-102, MI-103, MI-104, 510-3, and 510-5

Location				Side	Chain Link				Deer				Field				Channel Crossing		Remarks
From		To			Fence		Gate				Gate				Gate				
Station	Offset	Station	Offset		Length*	Type	No.*	Type	Fence Length*	Brace Panels*	No.*	Type	Fence Length*	Brace Panels*	No.*	Type	Length*	Type	
					LF		EACH		LF	EACH	EACH		LF	EACH	EACH		LF		
101+79.96	11.0	111+39.68	11.0	LT	956.3	42 IN.													
211+36.95	11.0	215+31.02	11.0	LT	394.1	42 IN.													
			TOTAL:		**1350.4**														

110-1
04-16-13

REMOVAL OF PAVEMENT

Refer to Tabulation 102-5

* Not a Bid Item

Begin Station	End Station	Side	Pavement Type	Area	Saw Cut*	Remarks
				SY	LF	
100+65.84	100+89.01	GLASS EB	PCC	16.1	47.8	
101+19.84	101+46.21	GLASS WB	HMA/PCC	29.4	76.6	
101+23.27	117+66.89	EDGEWOOD SB	HMA/PCC	1052.0	1799.4	
117+03.90	117+80.16	EDGE/42 SE	HMA/PCC	135.1	179.5	
117+18.47	117+84.07	EDGE/42 SW	HMA/PCC	125.6	161.5	
118+42.88	118+86.46	EDGE/42 NE	HMA/PCC	79.4	145.7	
118+50.47	118+99.83	EDGE/42 NW	HMA/PCC	147.8	176.1	
200+61.12	209+49.12	EDGEWOOD SB	HMA/PCC	1321.3	1008.7	
216+40.88	216+57.89	RIVER SW	PCC	8.5	36.3	
216+84.06	217+07.58	RIVER NW	PCC	7.7	33.1	
217+38.51	217+57.71	RIVER BLVD	PCC	48.4	131.2	
217+81.76	217+97.29	EDGEWOOD	PCC	47.3	88.8	
			TOTAL:	**3018.6**		

7010-01
01-01-16

PCC PAVEMENT TABULATION

Location		Route	Side (RT/LT)	Length (FT)	Width (FT)	Area (SY)	Subbase (CY)
Station to Station							
9-INCH PCC							
100+65.84	100+89.24	GLASS RD - SE RETURN	RT	33.00	VARIES	14.40	7.20
101+20.37	101+55.44	GLASS RD - NE RETURN	RT	59.00	VARIES	29.50	14.00
117+03.70	117+80.16	42ND ST - SE ISLAND	RT	54.00	VARIES	57.70	27.60
117+18.47	117+84.07	42ND ST - SW ISLAND	LT	51.00	VARIES	51.80	25.20
118+42.88	118+86.46	42ND ST - NE ISLAND	RT	42.00	VARIES	50.30	21.50
118+50.47	118+99.83	42ND ST - NW ISLAND	LT	50.00	VARIES	56.80	27.90
205+77.97	209+49.09	PARCEL 160 - 3/4 ACCESS	LT	365.00	VARIES	705.10	271.40
216+84.06	217+07.88	N RIVER BLVD	LT	23.00	VARIES	105.80	38.00
TOTAL:						**1071.40**	**432.80**

FOTH-02

CONCRETE MEDIANS

Begin Station	End Station	Type	Area	Modified Subbase	Median Ledge	Remarks
			SY	CY	LF	
101+46.06	101+62.53	6 inch	4.4	0.0		GLASS ROAD INTERSECTION - NORTH MEDIAN
117+41.18	117+76.80	6 inch	56.6	5.9		42ND STREET - SE ISLAND
117+44.78	117+81.01	6 inch	42.2	4.3		42ND STREET - SW ISLAND
118+46.66	118+68.14	6 inch	29.1	2.5		42ND STREET - NE ISLAND
118+53.79	118+90.60	6 inch	57.3	6.0		42ND STREET - NW ISLAND
206+59.56	207+10.75	9 inch	123.6	28.2		3/4 ACCESS, MOUNTABLE ISLAND
		6" PCC MEDIAN TOTAL	**189.6**	**18.7**		
		9" PCC MEDIAN TOTAL	**123.6**	**28.2**		

PROJECT NO: TAP-U-1187(793)--8I-57
PROJECT DATE: 9/15/2026
CAD DATE: 6/15/2026 11:05:42 AM
CAD FILE: c:\pw_workdir\pw_ielcjcld0630801\0022C005.02_C-Sheets_MASTER_Revised Final Plans.xlsm
DESIGNED BY: K. WOLLNER
CHECKED BY: C. CARPER
DRAWN BY: K. WOLLNER

NO	DATE	BY	REVISION DESCRIPTION

Foth

EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

ESTIMATED QUANTITIES

SHEET NO.
C.7
TAP-U-1187(793)--8I-57

100-05
10-17-23

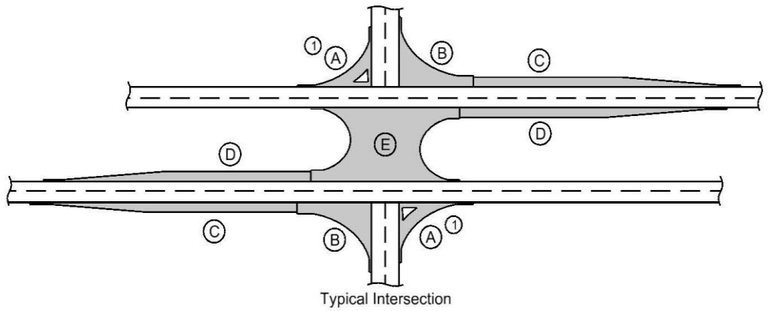
CURB AND GUTTER

Refer to PV-102

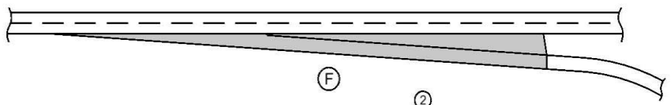
Line No.	Station From	Station To	Side	Length (LF)	Width (LF)	Width 1.5 (LF)	Width 2.0 (LF)	Width 2.5 (LF)	Width 3.0 (LF)	Width 3.5 (LF)	Width 4.0 (LF)	Width 4.5 (LF)	Width 5.0 (LF)	Width 5.5 (LF)	Modified Subbase (CY)	Special Backfill (TON)	Remarks
1	101+43.63	101+62.54	EDGEWOOD MEDIAN - SB					19.5							3		
2	101+43.63	101+62.54	EDGEWOOD MEDIAN - NB					19.5							3		
3	101+23.27	103+15.14	EDGEWOOD - SB								194				43		
4	103+15.14	117+64.46	EDGEWOOD - SB						1460.6						274		
5	200+61.14	205+78.76	EDGEWOOD - SB						529.8						100		
6	206+77.28	206+80.15	3/4 ACCESS - EB					15.6							3		
7	206+99.77	207+10.75	3/4 ACCESS - MEDIAN					40.4							7		3" SLOPED CURB
8	207+35.59	207+53.45	3/4 ACCESS - WB					30							5		
9	216+40.89	216+55.51	N. RIVER BLVD - EB					30.2							5		
10	217+40.82	217+57.81	N. RIVER BLVD - WB					27							5		
11	217+81.86	217+96.12	EDGEWOOD MEDIAN - SB					14							2		
12	217+82.76	217+97.18	EDGEWOOD MEDIAN - NB					14							2		
			TOTALS					**210.2**	**1990.4**		**194**				**451**		

100-25
04-21-15

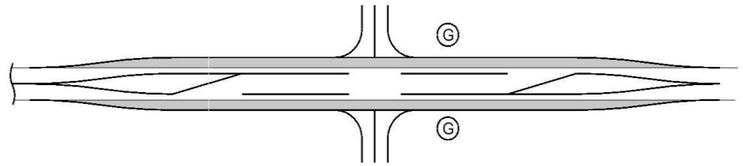
HMA PAVEMENT



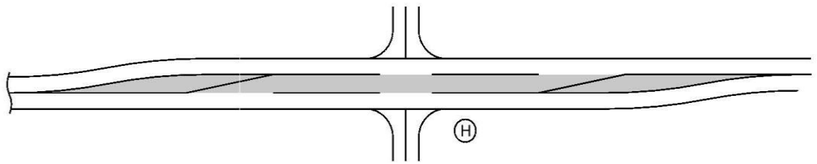
Typical Intersection



Ramp or Loop Taper (2)



Channelized Intersection
Widen Existing Roadway



Channelized Intersection
Reconstructed Roadway

(1) Does not include raised island area or curb. Refer to tabulation 112-4 for quantities.

(2) Refer to PV-410, PV-411, PV-412, and PV-414.

(3) Quantity includes Pavement Header.

Calculations assume a surface course unit weight (lbs/cf) of 155, an intermediate course unit weight (lbs/cf) of 150, a base course unit weight (lbs/cf) of 150, and a special backfill unit weight (lbs/cf) of .

Location				Mainline			Area (3)								Bid Items											
															Hot Mix Asphalt Pavement						Binder					
Road Identification	Direction of Travel	Station to Station		Width	Length	Area	A (1)	B	C	D	E	F (2)	G	H	Surface		Intermediate		Base		Surface	Intermediate	Base	Special Backfill	Modified Subbase	Granular Subbase	Pavement Scarification	Remarks
				FT	FT	SY	SY	SY	SY	SY	SY	SY	SY	SY	TONS	SY	TONS	SY	TONS	SY	TONS	TONS	TONS	TONS	CY	SY	SY	
EDGEWOOD	SB	101+31.06	101+62.57	32.7	30.8	124.3									14.4	124.3	14.0	124.3	34.9	124.3	0.9	0.8	2.1		41.4			
EDGEWOOD	SB	103+00.00	105+22.88	6.0	225.6	149.2									17.3	149.2	16.8	149.2	42.0	149.2	1.0	1.0	2.5		49.7			
EDGEWOOD	SB	105+22.88	105+33.05	24.9	10.0	27.8									3.2	27.8	3.1	27.8	7.8	27.8	0.2	0.2	0.5		10.0			
EDGEWOOD	SB	105+33.05	107+00.00	6.0	168.8	112.4									13.1	112.4	12.6	112.4	31.6	112.4	0.8	0.8	1.9		37.5			
EDGEWOOD	SB	111+76.28	114+56.46	6.0	276.8	178.0									20.7	178.0	20.0	178.0	50.1	178.0	1.2	1.2	3.0		59.3			
42ND	WB	118+38.65	119+83.84				261.2								30.4	261.2	29.4	261.2	73.5	261.2	1.8	1.8	4.4		104.2			
3/4 ACCESS	EB/WB	206+80.09	207+51.27								124.5				14.5	124.5	14.0	124.5	35.0	124.5	0.9	0.8	2.1		41.5			
														TOTAL:	**113.6**		**109.9**		**274.9**		**6.8**	**6.6**	**16.5**		**343.6**			

PROJECT NO: TAP-U-1187(793)--8I-57
PROJECT DATE: 9/15/2026
CAD DATE: 6/15/2026 11:05:42 AM
CAD FILE: c:\pw_workdir\pw_ielcjcld06308010022C005.02_C-Sheets_MASTER_Revised Final Plans.xlsm
DESIGNED BY: K. WOLLNER
CHECKED BY: C. CARPER
DRAWN BY: K. WOLLNER

NO	DATE	BY	REVISION DESCRIPTION

Foth

EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

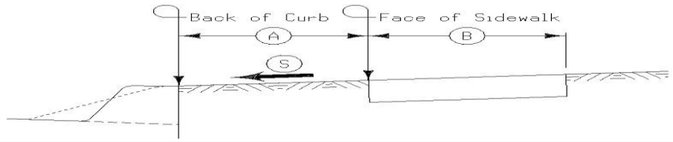
ESTIMATED QUANTITIES

SHEET NO.
C.8
TAP-U-1187(793)--8I-57

FOTH-01

SIDEWALKS

See MI-220 and S Sheets



Road Identification	Station to Station		Side	A	B	S	5" PCC Sidewalk	6" PCC Trail	Modified Subbase	Detectable Warnings	Remarks
				FT	FT	%	SY	SY	CY	SF	
5 IN SIDEWALK											
EDGEWOOD RD & GLASS RD	100+32.20	100+62.47	RT	VARIES	4.00	VARIES	16.2				SE QUADRANT - TEMPORARY SIDEWALK (STAGE 3C)
EDGEWOOD RD & GLASS RD	101+32.94	101+44.17	RT	10.00	VARIES	VARIES	8.8				NE QUADRANT
EDGEWOOD RD & 42ND ST	117+41.08	117+61.41	LT	13.00	5.00	VARIES	17.8				SW QUADRANT
42ND ST	118+05.49	118+14.93	LT	8.60	4.00	VARIES	4.8			20	42ND ST & EMERSON - TEMPORARY RAMP (STAGE 4B)
42ND ST	118+44.51	118+51.71	LT	VARIES	5.00	VARIES	6.7			20	42ND ST & GEORGIA - TEMPORARY RAMP (STAGE 4B)
EDGEWOOD RD & 42ND ST	200+45.00	200+80.77	LT	VARIES	5.00	VARIES	21.7				NW QUADRANT
EDGEWOOD RD & N RIVER BLVD	217+51.75	217+59.51	LT	VARIES	5.00	VARIES	7.9				NW QUADRANT
6 IN TRAIL											
EDGEWOOD RD & GLASS RD	100+42.86	100+84.91	RT	VARIES	10.00	VARIES		47.1	8.8	20	SE QUADRANT - INCLUDES RAMP
EDGEWOOD RD & GLASS RD	101+23.29	101+45.31	RT	VARIES	VARIES	VARIES		48.2	8.2	44	NE QUADRANT - INCLUDES RAMPS
EDGEWOOD RD	101+31.94	117+54.72	LT	10.00	10.00	VARIES		2114.4	397.5	44	INCLUDES RAMPS, BUMP OUT, AND 2' BUFFER AT WALL
EDGEWOOD RD & 42ND ST	117+52.82	117+71.94	RT		6.00			20.9	2.8	24	SE QUADRANT - SIDEWALK IN RAISED ISLAND
EDGEWOOD RD & 42ND ST	117+59.84	117+80.99	RT		VARIES			31.6	4.1	52	SW QUADRANT - TRAIL/SIDEWALK IN RAISED ISLAND
EDGEWOOD RD & 42ND ST	118+53.88	118+80.65	RT		10.00			33.8	4.8	40	NW QUADRANT - TRAIL IN RAISED ISLAND
EDGEWOOD RD	200+80.77	206+71.33	LT	VARIES	10.00	VARIES		663.3	131.4	88	INCLUDES DW FROM 3/4 ACCESS MEDIAN
EDGEWOOD RD	207+37.01	215+50.22	LT	VARIES	10.00	VARIES		990.9	187.1	20	INCLUDES 2' BUFFER AT WALL
EDGEWOOD RD	216+21.04	216+53.08	LT	VARIES	10.00	VARIES		33.3	22.9	20	INCLUDES RAMPS AND SUBBASE UNDER COMBO WALL
EDGEWOOD RD & N RIVER BLVD	217+42.76	217+92.24	LT	VARIES	10.00	VARIES		58.0	11.0	34	NW QUADRANT - INCLUDES RAMP
EDGEWOOD RD & N RIVER BLVD	217+81.85	217+97.18	RT		12.00			39.5	5.5	48	EDGEWOOD RD MEDIAN - INCLUDES RAMPS
EDGEWOOD RD	301+21.41	304+46.06	LT	10.00	10.00	VARIES		359.7	72.0		
						TOTAL:	**83.9**	**4440.8**	**856.1**	**474**	

110-5
10-20-15

SIDEWALK REMOVAL

* Not a bid item

Begin Station	End Station	Area	Saw Cut*	Remarks
		SY	LF	
100+32.20	100+62.47	16.2		TEMP SIDEWALK
100+42.86	100+82.11	46.6	15.0	PCC SIDWALK/RAMP
101+23.48	101+40.39	27.6	5.0	PCC SIDWALK/RAMP
42ND ST W OF EDGEWOOD		11.6		TEMP RAMPS
117+47.62	117+60.69	20.6	4.8	PCC SIDWALK/RAMP
200+34.54	200+73.01	25.6	5.2	PCC SIDWALK/RAMP
217+44.99	217+92.24	65.5	33.5	PCC SIDWALK/RAMP
304+25.06	304+46.06	22.8	10.0	PCC TRAIL
	TOTAL:	**236.5**		

108-16
10-19-10

COMBINED CONCRETE SIDEWALK AND RETAINING WALL

See MI-221

Location			Retaining Wall			Sidewalk		Concrete		Porous Backfill	Reinforcing Steel
Station to Station		Side	Type	Height, H	Thickness	Width, W	Thickness	Retaining Wall	Sidewalk & Footing		
				FT	FT	FT	FT	CY	CY	CY	LB
215+50.23	215+65.23	LT	A	0.5 to 2	0.5	10.0	0.5	0.3	2.9	0.4	59
215+65.23	216+07.03	LT	A	2.0	0.5	10.0	0.5	2.7	14.0	1.8	361
216+07.03	216+21.03	LT	A	2 to 0.5	0.5	10.0	0.5	0.3	2.9	0.4	59
216+21.03	216+24.51	RT	A	0.5 to 1	0.5	10.0	0.5	0.0	0.7	0.1	13
216+24.51	216+27.51	RT	A	1.0	0.5	10.0	0.5	0.1	0.6	0.1	12
216+27.51	216+31.01	RT	A	1 to 0.5	0.5	10.0	0.5	0.0	0.7	0.1	13
							TOTAL:	**3.5**	**21.7**	**2.8**	**517**

4000-01
01-01-16

ADJUSTMENT OF STRUCTURES

No.	Location	Existing Rim Elevation	Proposed Rim Elevation	Description	Notes
I.1-1	101+65.92, 7.36 LT	827.22	829.44	WATER VALVE BOX	BOX REPLACEMENT, INSTALL WITH LOCKING LID
I.1-2	101+69.48, 3.85 LT	827.64	829.48	WATER VALVE BOX	BOX REPLACEMENT, INSTALL WITH LOCKING LID
I.1-3	101+77.40, 6.51 LT	827.28	829.74	WATER VALVE BOX	BOX REPLACEMENT, INSTALL WITH LOCKING LID
I.3-3	112+27.91, 13.92 LT	851.37	851.81	SANITARY MANHOLE	MINOR ADJUSTMENT
I.3-5	112+32.50, 10.21 RT	851.06	851.79	WATER VALVE BOX	BOX EXTENSION
I.3-4	112+52.21, 40.22 LT	852.77	852.97	WATER VALVE BOX	BOX EXTENSION
I.3-7	114+47.00, 3.24 RT	859.95	859.62	SANITARY MANHOLE	MINOR ADJUSTMENT
I.3-10	115+12.31, 18.41 RT	860.40	860.50	WATER VALVE BOX	BOX EXTENSION
I.3-11	115+82.11, 14.29 RT	862.10	862.18	WATER VALVE BOX	BOX EXTENSION
I.3-12	115+85.78, 11.47 RT	862.34	862.29	WATER VALVE BOX	BOX EXTENSION, HYDRANT AUXILIARY VALVE
I.3-13	115+86.08, 9.10 RT	864.81	862.31	FIRE HYDRANT	
I.3-14	115+89.96, 13.75 RT	862.43	862.34	WATER VALVE BOX	BOX EXTENSION
I.3-18	116+73.79, 8.46 RT	862.97	863.55	SANITARY MANHOLE	MINOR ADJUSTMENT
I.5-4	201+12.44, 25.23 LT	862.13	862.89	WATER VALVE BOX	BOX REPLACEMENT, INSTALL WITH LOCKING LID
I.5-13	202+48.05, 34.57 LT	858.44	860.54	WATER STOP BOX	BOX EXTENSION, SERVICE TO PRIVATE IRRIGATION
I.6-9	207+99.91, 1.24 LT	857.03	857.76	WATER VALVE BOX	BOX REPLACEMENT, INSTALL WITH LOCKING LID
I.6-11	210+39.51, 19.56 LT	848.09	853.05	WATER STOP BOX	BOX EXTENSION, SERVICE TO PRIVATE IRRIGATION
I.6-8	213+03.84, 0.17'RT	851.19	850.00 (PLATE)	FIBER MANHOLE	MAJOR ADJUSTMENT: FILL W/ SAND, PLATE, BURY
I.7-9	217+62.96, 5.69 RT	851.91	851.97	STORM INTAKE	MINOR ADJUSTMENT
I.8-2	302+00.23, 5.27 RT	833.25	833.43	STORM MANHOLE	MINOR ADJUSTMENT
TOTALS					
	VALVE BOX EXTENSION	**8.00**			
	VALVE BOX REPLACEMENT	**5.00**			
	FIRE HYDRANT ADJUSTMENT	**1.00**			
	MANHOLE ADJUSTMENT, MINOR	**4.00**			
	MANHOLE ADJUSTMENT, MAJOR	**1.00**			
	INTAKE ADJUSTMENT, MINOR	**1.00**			

5010-01
01-01-16

LIST OF WATER MAIN PIPE

Location		Type	Pipe Dia. (Inches)	Length (Feet)	Notes
Station to Station					
103+00.41, 1.34 RT	109+00.00, 0.45 LT	DIP	12.0	616.0	DIVISION 1
107+79.02, 59.30 LT	107+80.20, 3.00 RT	DIP	8.0	63.0	DIVISION 2
	TOTAL:	**DIP**	**8.0**	**63.0**	
			12.0	**616.0**	

5010-02
01-01-16

LIST OF WATER MAIN FITTINGS

Location	Size/Type	Weight (lbs.)	Notes
HORIZONTAL FITTINGS			
103+00.41, 1.34 RT	12 IN. 45 BEND	86.0	DIVISION 1
103+13.11, 14.00 RT	12 IN. 45 BEND	86.0	DIVISION 1
106+80.21, 14.00 RT	12 IN. 45 BEND	86.0	DIVISION 1
106+91.36, 3.00 RT	12 IN. 45 BEND	86.0	DIVISION 1
107+80.20, 3.00 RT	12 X 8 TEE	125.0	DIVISION 2
107+79.02, 59.30' LT	8 IN. 45 BEND	46.0	DIVISION 2
109+00.00, 3.00 RT	12 IN. 90 BEND	108.0	DIVISION 1
109+00.00, 0.45 LT	12 X 12 TEE	160.0	DIVISION 1
109+00.00, 0.45 LT	12 IN. PLUG	46.0	DIVISION 1
VERTICAL FITTINGS			
103+10.38, 11.25 RT	12 IN. 45 BEND	86.0	DIVISION 1
107+79.29, 45.29 LT	8 IN. 45 BEND	46.0	DIVISION 2
107+79.36, 41.29 LT	8 IN. 45 BEND	46.0	DIVISION 2
107+79.93, 11.38 LT	8 IN. 45 BEND	46.0	DIVISION 2
107+80.13, 1.00 LT	8 IN. 45 BEND	46.0	DIVISION 2
	TOTAL WEIGHT:	**744.0**	**DIVISION 1**
		355.0	**DIVISION 2**

5010-03
01-01-16

LIST OF WATER SERVICE STUBS

Location	Pipe Dia. (Inches)	Length (Feet)	Notes
107+52.75, 4.50' RT	1.5 IN. COPPER	5.0	REUSE EXISTING CURB STOP AND BOX
SERVICE STUB TOTAL (LF):		**5.0**	**DIVISION 1**
CORPORATION TOTAL (EA):		**1.0**	**DIVISION 1**
CURB STOP/BOX TOTAL (EA):		**1.0**	**DIVISION 1**

5010-04
01-01-16

LIST OF WATER MAIN REMOVALS

Location		Side	Pipe Dia. (Inches)	Length (Feet)	Notes
Station to Station					
103+00.41, 1.34 RT	109+00.00, 0.45 LT	BOTH	12.0	600.0	I.1 NOTE 23 - DIVISION 1
			TOTAL	**600.0**	

5020-01
01-01-16

LIST OF WATER VALVE ASSEMBLIES

Location	Type	Size (Inches)	Ground Elevation	Notes
107+79.06, 57.35 LT	GATE	8	831.33	DIVISION 2
109+00.00, 1.28 RT	GATE	12	841.1	DIVISION 1
	8" TOTAL	**1**		
	12" TOTAL	**1**		

5020-02
01-01-16

LIST OF HYDRANT ASSEMBLIES

Location	Top of Ground Elevation	Notes
201+49.98, 7.97 RT	863.23	DIVISION 1
207+79.16, 8.64 RT	857.75	DIVISION 1
216+41.15, 15.94 LT	851.94	DIVISION 1
TOTAL:	**3**	

5020-03
01-01-16

HYDRANT ASSEMBLY REMOVALS

Location	Each	Notes
201+49.85, 2.47 LT	1	I.5 NOTE 5 - DIVISION 1
207+72.71, 4.70 LT	1	I.6 NOTE 2 - DIVISION 1
216+30.12, 3.44 LT	1	I.7 NOTE 6 - DIVISION 1
TOTAL:	**3**	

PROJECT NO: TAP-U-1187(793)--8I-57
PROJECT DATE: 9/15/2026
CAD DATE: 6/15/2026 11:05:43 AM
CAD FILE: c:\pw_workdir\pw_ie\cjcld0630801\0022C005.02_C-Sheets_MASTER_Revised Final Plans.xlsm
DESIGNED BY: K. WOLLNER
CHECKED BY: C. CARPER
DRAWN BY: K. WOLLNER

NO	DATE	BY	REVISION DESCRIPTION

Foth

EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

ESTIMATED QUANTITIES

SHEET NO.
C.10
TAP-U-1187(793)--8I-57

104-9
10-17-17

LONGITUDINAL SUBDRAIN SHOULDER AND BACKSLOPE

Refer to Soils Sheets

* Not a bid item. Bridge berm quantities assume a trench depth of 24 inches.

Location					Longitudinal Subdrain (DR-303)							Subdrain Outlet		Porous* Backfill	Class "A"* Crushed Stone	Remarks
Line No.	Road or Lane Identification	Station to Station		Side	Depth (D)	Shoulder		Backslope		Bridge Berm (EW-203 or EW-204)			DR-303, DR-305 or DR-306			
						Size	Length	Size	Length	Standard Road Plan and Type	Size	Length	Station	Standard Road Plan and Type		
					IN	IN	FT	IN	FT		IN	FT			CY	CY	
SD-1	EDGEWOOD	117+08.16	114+47.11	RT	36.0	6.0	270.0						117+08/114+47	2 X DR-303	30.0		S-13 TO S-1
SD-2	EDGEWOOD	111+78.92	109+25.54	RT	36.0	6.0	254.0						111+79/109+25	2 X DR-303	28.2		S-2 TO S-5
SD-3	EDGEWOOD	201+30.27	204+70.97	RT	36.0	6.0	344.0						204+71	DR-303	38.2		CO-1: 201+30.27, 8.50 RT TO S-16
SD-4	EDGEWOOD	204+78.70	206+33.79	RT	36.0	6.0	155.0						204+79/206+34	2 X DR-303	17.2		S-16 TO S-17
SD-5	EDGEWOOD	206+78.82	206+40.49	BOTH	36.0	6.0	56.0						206+40	DR-303	6.2		CO-2: 206+78.82, 25.17 LT TO S-17
			TOTAL:			**6"**	**1079.0**						**TOTAL DR-303=**	**8**			**TOTAL CLEANOUTS = 2**

110-14
04-16-13

SANITARY OR STORM SEWER ABANDONMENT OR REMOVAL

* Not a bid item

Location/Description	Sanitary or Storm Sewer	Abandonment, Plug Only or Abandonment, Plug and Fill or Removal	Length of Pipe		Fill Material*	Remarks
			≤ 36 inch diameter	> 36 inch diameter	Flowable Mortar or CLSM	
			LF	LF	CY	
101+38.35, 30.24 RT	Storm Sewer	Removal	60			I.1 NOTE 14
105+27.18, 10.65 LT	Storm Sewer	Removal	26			I.2 NOTE 2
105+27.17, 8.09 RT	Storm Sewer	Removal	40			I.2 NOTE 4
117+13.78, 5.91 LT	Storm Sewer	Removal	3			I.3 NOTE 21
117+09.12, 3.00 RT	Storm Sewer	Removal	6			I.3 NOTE 22
213+65.08, 19.19 LT	Storm Sewer	Removal	6			
TOTAL:	**Storm Sewer**	**Removal**	**141**			

110-15
04-16-13

REMOVAL OF INTAKES AND UTILITY ACCESSES

No.	Location/Description	Type	Remarks
I.1-4	101+46.66, 1.56 RT	Traffic Handhol	Included in Traffic Signal System A removal
I.1-9	101+38.97, 50.37	Storm Intake	
I.1-10	101+49.00, 50.20 RT	Traffic Handhol	Included in Traffic Signal System A removal
I.1-12	101+26.48, 105.45 RT	Traffic Handhol	Included in Traffic Signal System A removal
I.1-15	101+38.90, 11.66 LT	Storm Outlet	
I.1-18	101+46.40, 102.89 RT	Traffic Handhol	Included in Traffic Signal System A removal
I.2-1	105+26.93, 24.44 LT	Storm Outlet	
I.2-3	105+27.43, 3.13 RT	Storm Manhole	
I.2-10	105+28.34, 45.87 RT	Storm Intake	
I.3-19	117+10.75, 2.36 LT	Storm Manhole	
I.7-1	213+64.94, 14.45' LT	Storm Manhole	
	TOTAL:	**2**	**STORM INTAKES**
		2	**STORM OUTLETS**
		3	**STORM MANHOLES**

8000-01
01-01-16

TABULATION OF EXISTING SIGNS TO BE REMOVED OR REMOVED AND REPLACED

Road Identification	Begin Station	Direction of Travel	Sign # or Description	Removal Quantity (EA.)	See Signing Notes	Remarks
EDGEWOOD ROAD	101+35.72	NB	OM3-L	1		I.1 NOTE 8
GLASS ROAD	101+24.39	EB	R3-27	1		I.1 NOTE 22
EDGEWOOD ROAD	106+26.89	SB	W3-3	1		I.2 NOTE 5
EDGEWOOD ROAD	114+68.46	SB	SPECIAL	1		I.3 NOTE 23
EDGEWOOD ROAD	116+01.30	SB	OM-3	1		I.3 NOTE 15
42ND ST	117+15.11	EB	R1-2	1		I.3 NOTE 20
42ND ST	117+79.67	EB	W12-1	1		I.4 NOTE 4
EDGEWOOD ROAD	118+87.96	SB	W12-1	1		I.4 NOTE 8
EDGEWOOD ROAD	117+10.08	NB	W12-1	1		I.4 NOTE 9
EDGEWOOD ROAD	117+18.30	NB	R1-2	1		I.4 NOTE 14
42ND ST	118+49.98	WB	W12-1	1		I.4 NOTE 16
EDGEWOOD ROAD	202+14.05	SB	W3-3/R10-18	2		I.5 NOTE 6
EDGEWOOD ROAD	204+38.49	SB	SPECIAL	1		I.5 NOTE 9- REMOVE
EDGEWOOD ROAD	206+59.44	EB	R1-2	1		I.5 NOTE 11
EDGEWOOD ROAD	206+88.00	EB	R1-1	1		I.5 NOTE 12
EDGEWOOD ROAD	207+54.52	WB	R1-2	1		I.6 NOTE 1
EDGEWOOD ROAD	208+18.55	SB	SPECIAL	1		I.6 NOTE 4- TRANSAMERICA SIGN
RIVER BLVD	216+95.63	WB	R4-7/OM1-2	2		I.7 NOTE 8
			TOTAL:	**20**		

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NO	DATE	BY	REVISION DESCRIPTION

Foth

EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

ESTIMATED QUANTITIES

SHEET NO.
C.11
TAP-U-1187(793)--8I-57

MATERIALS FOR TYPE 'A' SIGNS

TYPE A SIGNING TYPICALS	SIGN NUMBER	DIR OF TRAVEL	SIGN LOCATION	WOOD POSTS			PERFORATED SQUARE STEEL TUBE						Steel Rect. Tube			TYPE A SIGN MOUNTING BRACKETS						INSTALLATION			REMARKS
				NO. OF POSTS	4 x 6					ANCHOR			NO. OF POSTS	POST LENGTH	ANCHORS	ONE POST BRACKET	TWO POST	AUXILIARY	(H)	(F)	(F1)	TYPE	DIM 'X' FT	SEE SIGNING NOTES	
			STATION		LEG 1 FT	LEG 2 FT	LEG 1 FT	LEG 2 FT	LEG 3 FT	CONC	SOIL	SLIPBASE		FT	EACH										
	R10-15 SPECIAL	WB	100+16				10				1												8.5	YIELD TO PED	PM.2
	R10-15 SPECIAL	WB	101+27				10				1												8.5	YIELD TO PED	PM.2
	OM3-L	NB	101+48				10			1													3	OBJECT MARKI	PM.2
	W3-3	SB	106+27				10				1												6.25	SIGNAL AHEAD	PM.3
	SPECIAL	NB	112+00				10	10			2												18	ATTRACTION	PM.4
	SPECIAL	NB	114+62				14	14			2												27.5	ATTRACTION	PM.4
	R1-2	SB	117+03				10				1												3.9	YIELD	PM.5
	W12-1	NB	117+11				10			1													6.25	DOUBLE ARROW	PM.5
	R1-2	NB	117+19				10			1													3.9	YIELD	PM.5
	W11-15	EB	117+56				10				1												6.25	TRAIL XING	PM.5
	W16-7P	EB	117+56				10																2.2	ARROW PLAQUE	PM.5
	W12-1	EB	117+78				10			1													6.25	DOUBLE ARROW	PM.5
	W11-2	NB	118+07				10				1												6.25	PEDESTIAN	PM.5
	W16-7P	NB	118+07				10																2.2	ARROW PLAQUE	PM.5
	W12-1	WB	118+48				**10**			**1**													**6.25**	**DOUBLE ARROW**	**PM.5**
	W12-1	SB	118+89				10			1													6.25	DOUBLE ARROW	PM.5
	W11-15	WB	118+89				10				1												6.25	TRAIL XING	PM.5
	W16-7P	WB	118+89				10																2.2	ARROW PLAQUE	PM.5
	W3-3	SB	202+14				10				1												6.25	SIGNAL AHEAD	PM.6
	R10-19aP	SB	202+14				10																3	PHOTO ENFORC	PM.6
	R2-1	SB	203+05				10				1												7.5	40 MPH	PM.6
	R10-19aP	SB	203+05				10																3	PHOTO ENFORC	PM.6
	SPECIAL	SB	205+24				10	10			2												18	ATTRACTION	PM.6
	SPECIAL	SB	206+28				14	14			2												27.5	ATTRACTION	PM.6
	R1-2	EB	206+60				10				1												3.9	YIELD	PM.6
	R10-15 SPECIAL	WB	208+00				10				1												8.5	YIELD TO PED	PM.7
	R4-7	WB	216+95				10			1													5	KEEP RIGHT	PM.8
	OM1-2	WB	216+95				10																2.25	OBJECT MARKI	PM.8
			TOTAL:				**288**	**48**		**7**	**19**												**214.8**		

PAVEMENT MARKING REMOVAL LINE TYPES

See PM-110

*BCY4 - Place on the same side of the roadway to match existing markings near the project.
**NPY4 - For estimating purposes only. No Passing Zone Lines will be located in the field.
***MNY4 - Factor of 1.00 as value includes number of 4-inch passes to cover median nose area.

DCY4: Double Centerline (Yellow) @ 2.00
DLW4: Dotted Line (White) @ 0.33
SLW4: Solid Lane Line (White) @ 1.00
SLW2: Stop Line (White) @ 6.00
CHW8: Channelizing Line (White) @ 2.00
YLW2: Yield Line (White) @ 1.71
SLW4: Solid Lane Line (White) @ 1.00
CHY8: Channelizing Line (Yellow) @ 2.00
CBW6: Crosswalk Bar (White) @ 15.00
DLW4: Dotted Line (White) @ 0.33
CHW8: Channelizing Line (White) @ 2.00
SLW2: Stop Line (White) @ 6.00

Location							Length by Line Type (Unfactored)															Remarks
Road ID	Station to Station		Dir. of Travel	Marking Type	Side			DCY4	SLW2	SLW4	CBW6	CHW8	DLW4	CHW8	CHY8	DLW4	SLW2	SLW4	YLW2				
					L	C	R	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	
GLASS RD	100+99.85	101+08.33	BOTH	Durable Paint		X		2.21														
GLASS RD	100+99.85	101+22.87	WB	Durable Paint			X		0.25													
GLASS RD	101+10.90	101+14.79	WB	Durable Paint			X			1.01												
RIVER BLVD	216+47.35	216+86.66	EB	Durable Paint		X			0.41													
EDGEWOOD RD	217+83.65	217+90.98	SB	Durable Paint		X					0.54											
EDGEWOOD RD	217+87.24	217+94.79	NB	Durable Paint		X					0.54											
EDGEWOOD RD	217+95.90	217+99.19	SB	Durable Paint		X			0.39													
EDGEWOOD RD			SB	Durable Paint			X					0.81										HWY 100 SB BYPASS
EDGEWOOD RD			SB	Durable Paint	X							2.18										HWY 100 SB BYPASS
TOWN CENTRE	306+90.41	307+45.34	WB	Durable Paint		X							1.23									DUAL LEFT TURN DIVIDER
	UNFACTORED	**TOTAL:**						**1.32**	**1.05**	**2.14**	**1.08**	**2.98**	**1.23**									
	FACTORED	**TOTAL:**						**2.64**	**6.30**	**2.14**	**6.48**	**5.96**	**0.40**									

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DESIGNED BY: K. WOLLNER
CHECKED BY: C. CARPER
DRAWN BY: K. WOLLNER

NO	DATE	BY	REVISION DESCRIPTION

Foth

EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

ESTIMATED QUANTITIES

PAVEMENT MARKING LINE TYPES

See PM-110

*BCY4 - Place on the same side of the roadway to match existing markings near the project.
**NPY4 - For estimating purposes only. No Passing Zone Lines will be located in the field.
***MNY4 - Factor of 1.00 as value includes number of 4-inch passes to cover median nose area.

CBW6: Crosswalk Bar (White) @ 9.00
SLW2: Stop Line (White) @ 6.00
SLW4: Solid Lane Line (White) @ 1.00
BLW4: Broken Lane Line (White) @ 0.25
ELY4: Edge Line Left (Yellow) @ 1.00
ELW4: Edge Line Right (White) @ 1.00
DCY4: Double Centerline (Yellow) @ 2.00
CHW8: Channelizing Line (White) @ 2.00
DLW8: Dotted Line (White) @ 0.33

Location								Length by Line Type (Unfactored)														Remarks
Road ID	Station to Station		Dir. of Travel	Marking Type	Side			CBW6	SLW2	SLW4	BLW4	ELY4	ELW4	DCY4	CHW8	DLW4						
					L	C	R	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	
GLASS RD	100+85.79	101+22.48	BOTH	Methyl Methacrylate (MMA)				0.84														
GLASS RD	100+99.00	101+22.35	WB	Methyl Methacrylate (MMA)					0.25													
GLASS RD	100+99.66	101+08.34	BOTH	Durable Paint										2.13								
GLASS RD	101+11.11	101+16.29	WB	Durable Paint						1.40												
EDGEWOOD RD	101+31.81	101+45.81	BOTH	Methyl Methacrylate (MMA)				1.68														
EDGEWOOD RD	101+50.32	101+52.79	SB	Methyl Methacrylate (MMA)					0.37													
EDGEWOOD RD	101+52.43	103+69.14	SB	Durable Paint						2.22												
EDGEWOOD RD	105+23.07	105+32.92	SB	Durable Paint							0.10											
EDGEWOOD RD	105+23.26	105+33.05	SB	Durable Paint								0.10										
EDGEWOOD RD	117+04.03	117+12.82	NB	Durable Paint									0.30									SE ISLAND
EDGEWOOD RD	117+04.03	117+20.28	NB	Durable Paint									0.37									SE ISLAND
EDGEWOOD RD	117+14.52	117+17.59	NB	Durable Paint									0.32									SE ISLAND
EDGEWOOD RD	117+72.56	117+79.30	NB	Durable Paint									0.07									SE ISLAND
42ND ST	117+17.66	117+79.30	EB	Durable Paint									0.50									SE ISLAND
42ND ST	117+19.14	117+58.01	EB	Durable Paint									0.31									SW ISLAND
EDGEWOOD RD	117+19.14	117+67.82	SB	Durable Paint									0.34									SW ISLAND
42ND ST	117+67.85	117+82.69	EB	Durable Paint									0.21									SW ISLAND
EDGEWOOD RD	117+77.00	117+83.27	SB	Durable Paint									0.06									SW ISLAND
42ND ST	117+82.81	117+82.90	EB	Durable Paint									0.23									SW ISLAND
42ND ST	117+83.04	117+83.27	EB	Durable Paint									0.06									SW ISLAND
EDGEWOOD RD	117+06.44	117+14.52	NB	Methyl Methacrylate (MMA)				0.32														SE BYPASS CROSSWALK
42ND ST	117+47.23	117+67.23	EB	Methyl Methacrylate (MMA)				0.36														SW BYPASS CROSSWALK
EDGEWOOD RD	117+64.49	117+76.00	BOTH	Methyl Methacrylate (MMA)				0.80														SOUTH LEG CROSSWALK
42ND ST	117+84.15	118+52.42	BOTH	Methyl Methacrylate (MMA)				1.44														WEST LEG CROSSWALK
42ND ST	118+44.03	118+45.64	WB	Durable Paint									0.39									NE ISLAND
42ND ST	118+44.03	118+82.18	WB	Durable Paint									0.56									NE ISLAND
EDGEWOOD RD	118+45.45	118+82.21	NB	Durable Paint									0.37									NE ISLAND
42ND ST	118+51.40	118+51.79	WB	Durable Paint									0.06									NW ISLAND
EDGEWOOD RD	118+51.40	118+99.67	SB	Durable Paint									0.48									NW ISLAND
42ND ST	118+52.48	118+54.28	WB	Durable Paint									0.34									NW ISLAND
EDGEWOOD RD	118+54.28	118+73.84	SB	Durable Paint									0.33									NW ISLAND
EDGEWOOD RD	118+82.61	118+99.67	SB	Durable Paint									0.24									NW ISLAND
EDGEWOOD RD	118+74.51	118+94.42	SB	Methyl Methacrylate (MMA)				0.36														NW BYPASS CROSSWALK
42ND ST	118+37.48	119+82.83	WB	Durable Paint									2.50									NE BYPASS
EDGEWOOD RD	207+74.00	209+38.79	SB	Durable Paint						1.65												
RIVER BLVD	216+53.29	217+40.74	EB	Methyl Methacrylate (MMA)				1.80														
RIVER BLVD	216+55.45	216+89.27	EB	Methyl Methacrylate (MMA)					0.34													
EDGEWOOD RD	217+81.04	217+96.03	SB	Methyl Methacrylate (MMA)				0.98														
EDGEWOOD RD	217+83.14	217+98.52	NB	Methyl Methacrylate (MMA)				0.98														
EDGEWOOD RD	218+00.14	218+03.16	SB	Methyl Methacrylate (MMA)					0.39													
EDGEWOOD RD			SB	Durable Paint											0.81							HWY 100 SB BYPASS
EDGEWOOD RD			SB	Durable Paint											2.18							HWY 100 SB BYPASS
TOWN CENTER	306+90.02	307+45.34	WB	Durable Paint												1.23						DUAL LEFT TURN DIVIDER
	UNFACTORED	TOTAL:						9.56	1.35	5.27	0.10	0.10	8.04	2.13	2.99	1.23						
	FACTORED	TOTAL:						86.04	8.10	5.27	0.03	0.10	8.04	4.26	5.98	0.41						

TEMPORARY PAVEMENT MARKING LINE TYPES

See PM-110

*BCY4 - Place on the same side of the roadway to match existing markings near the project.
**NPY4 - For estimating purposes only. No Passing Zone Lines will be located in the field.
***MNY4 - Factor of 1.00 as value includes number of 4-inch passes to cover median nose area.

CHW8: Channelizing Line (White) @ 2.00
ELY4: Edge Line Left (Yellow) @ 1.00
SLW4: Solid Lane Line (White) @ 1.00
BLW4: Broken Lane Line (White) @ 0.25
CHW8: Channelizing Line (White) @ 2.00
YLW2: Yield Line (White) @ 1.71
SLW4: Solid Lane Line (White) @ 1.00
CHY8: Channelizing Line (Yellow) @ 2.00
DCY4: Double Centerline (Yellow) @ 2.00
DLW4: Dotted Line (White) @ 0.33
ELW4: Edge Line Right (White) @ 1.00
SLW2: Stop Line (White) @ 6.00

Location								Length by Line Type (Unfactored)																
Road ID	Station to Station		Dir. of Travel	Marking Type	Side			CHW8	BLW4	SLW4	DCY4	ELW4	ELY4	CHW8	CHY8	DLW4	SLW2	SLW4	YLW2				Remarks
					L	C	R	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	
EDGEWOOD RD			SB	Wet Retroreflective Removable Tape	X			1.38															HWY 100 SB BYPASS
EDGEWOOD RD			SB	Wet Retroreflective Removable Tape	X				0.81														HWY 100 SB BYPASS
EDGEWOOD RD		100+65.16	NB	Wet Retroreflective Removable Tape			X			2.50													NB RIGHT TURN AT GLASS RD
EDGEWOOD RD			SB	Wet Retroreflective Removable Tape			X			2.50													SB RIGHT TURN AT TOWN CENTRE
GLASS RD	101+08.74	101+10.13	WB	Wet Retroreflective Removable Tape		X					2.20												WB CENTERLINE AT GLASS RD
42ND ST	118+48.05	119+76.57	WB	Wet Retroreflective Removable Tape			X					2.27											NE RIGHT TURN BYPASS AT 42ND
	UNFACTORED	**TOTAL:**						**1.38**	**0.81**	**5.00**	**2.20**	**2.27**											
	FACTORED	**TOTAL:**						**2.76**	**0.20**	**5.00**	**4.40**	**2.27**											

PAVEMENT MARKING SYMBOLS AND LEGENDS

Refer to PM-111

Road Identification	Location																									Groove Cuts	Remarks
	Station	Side	STAW	RTAW	LTAW	CSRW	CSLW	CSTW	CRLW	FERW	LLRW	RLRW	RRCW	BLSW	WCSW	WPSB	SCLW	XNGW	STPW	AHDW	ONLW	BIKW	LANW	XITW	EACH	
PERMANENT																									
GLASS RD	101+08.15	WB			1																				METHYL METHACRYLATE (MMA)
GLASS RD	101+18.41	WB		1																					METHYL METHACRYLATE (MMA)
EDGEWOOD RD	101+86.05	SB			1																				METHYL METHACRYLATE (MMA)
EDGEWOOD RD	103+22.18	SB			1																				METHYL METHACRYLATE (MMA)
EDGEWOOD RD	208+59.87	SB		1																					METHYL METHACRYLATE (MMA)
	TOTAL:			**2**	**3**																				
TEMPORARY																									
EDGEWOOD RD	S OF 100+00	NB		1																					NB RIGHT TURN AT GLASS RD
EDGEWOOD RD	100+27	NB		1																					NB RIGHT TURN AT GLASS RD
EDGEWOOD RD	N OF 307+58	SB		1																					SB RIGHT TURN AT TOWN CENTRE
EDGEWOOD RD	N OF 307+58	SB		1																					SB RIGHT TURN AT TOWN CENTRE
	TOTAL:			**4**																					
REMOVALS																									
EDGEWOOD RD	S OF 100+00	NB		1																					REMOVAL OF TEMP SYMBOL
EDGEWOOD RD	100+27	NB		1																					REMOVAL OF TEMP SYMBOL
GLASS RD	101+08	WB		2																					
GLASS RD	101+18	WB			2																				
EDGEWOOD RD	101+61	SB			1																				
EDGEWOOD RD	101+85	SB			1																				
EDGEWOOD RD	102+80	SB			1																				
EDGEWOOD RD	103+21	SB			1																				
EDGEWOOD RD	N OF 307+58	SB		1																					REMOVAL OF TEMP SYMBOL
EDGEWOOD RD	N OF 307+58	SB		1																					REMOVAL OF TEMP SYMBOL
	TOTAL:			**6**	**6**																				

100-22
04-21-15

ROLLED EROSION CONTROL

Refer to EC-101, EC-103, and EC-104.

Location				(L)	(W)	Turf Reinforcement Mat (TRM) (EC-104)				Slope Protection (EC-103)	Special Ditch Control (EC-101)	Remarks
Road Identification	Begin Station	End Station	Side			Type 1	Type 2	Type 3	Type 4			
				FT	FT	Squares	Squares	Squares	Squares	Squares	Squares	
EDGEWOOD RD NE	100+77	107+74	LT	697	VARIES					80		
EDGEWOOD RD NE	107+74	110+94	LT	320	25	80						
EDGEWOOD RD NE	110+94	112+57	LT	162	VARIES					21		
EDGEWOOD RD NE	200+44	206+80	LT	616	VARIES					106		
EDGEWOOD RD NE	208+17	211+48	LT	331	VARIES					87		
EDGEWOOD RD NE	301+21	304+50	LT	329	VARIES					19		
TOTALS:						80				313		

100-19
Modified

PERIMETER, SLOPE AND DITCH CHECK SEDIMENT CONTROL DEVICES

Possible Standards: EC-204

Location			Perimeter and Slope			Ditch Check		Remarks
			Length of Installation			Length of Installation		
Begin Station	End Station	Side	9 inch Dia	12 inch Dia	20 inch Dia	12 inch Dia	20 inch Dia	
			LF	LF	LF	LF	LF	
100+41	100+76	RT	40					
100+83	100+84	RT	15					
100+75	101+13	RT	40					
101+24	101+27	RT	15					
101+25	101+33	RT	15					
101+37	101+51	RT	55					
101+45	117+46	RT	1605					
105+16	105+40	RT	60					
112+55	115+34	LT	320					
117+54	117+72	LT	35					
200+32	200+69	RT	45					
200+80	200+58	RT	590					
207+42	216+45	RT	915					
216+22	216+55	LT	45					
216+88	217+05	LT	50					
217+39	217+54	LT	25					
217+60	217+77	LT	25					
217+53	217+83	RT	45					
217+91	217+96	RT	20					
301+16	304+61	RT	350					
	TOTAL:		4310					

100-36
10-16-18

OPEN-THROAT CURB INTAKE SEDIMENT FILTER

Possible Standard: EC-602

Location Station	Side	Installation	Maintenance	Removal	Remarks
		LF	EACH	EACH	
100+87	RT	10.0	1	1	
101+22	RT	10.0	1	1	
101+50	RT	10.0	1	1	
101+53	RT	20.0	2	2	
103+26	RT	10.0	1	1	
105+28	RT	10.0	1	1	
106+65	RT	10.0	1	1	
109+24	RT	10.0	1	1	
111+83	RT	10.0	1	1	
114+45	RT	10.0	1	1	
204+75	RT	10.0	1	1	
206+38	RT	10.0	1	1	
209+25	RT	10.0	1	1	
212+14	RT	10.0	1	1	
215+43	RT	10.0	1	1	
218+03	RT	10.0	1	1	
302+81	RT	10.0	1	1	
303+34	RT	10.0	1	1	
303+84	RT	10.0	1	1	
TOTAL:		200.0	20	20	

100-17
04-20-10

TABULATION OF SILT FENCES

Refer to EC-201

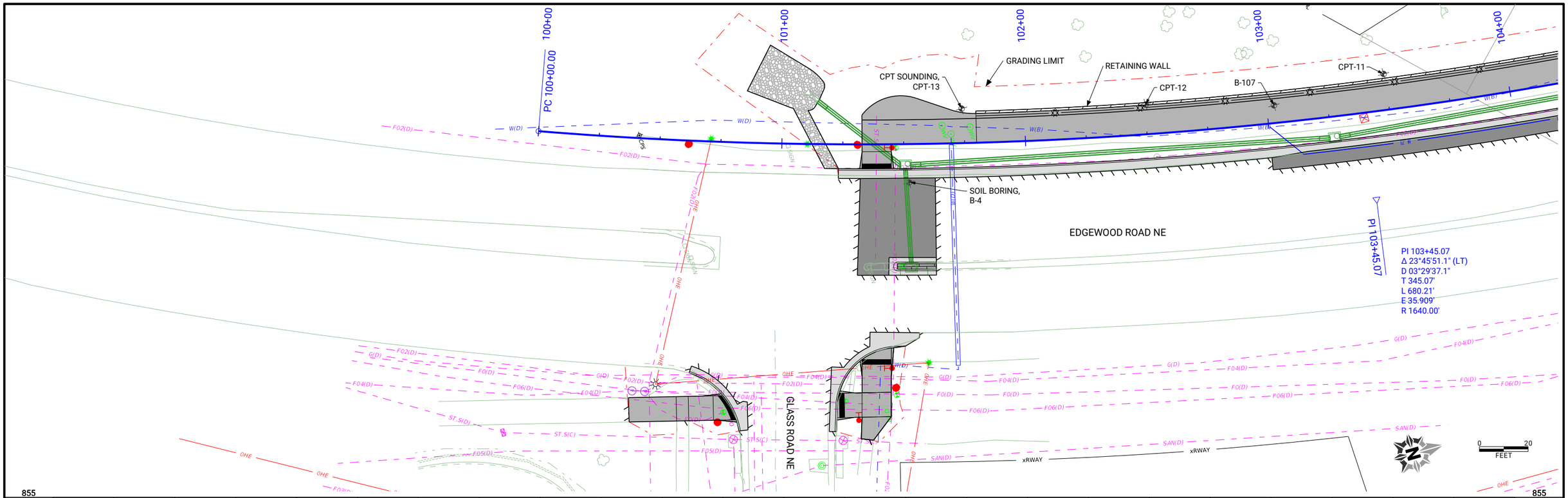
Location			Length	Remarks
Begin Station	End Station	Side	LF	
100+76	101+98	LT	160.0	
101+81	107+72	LT	630.0	
200+44	206+74	LT	650.0	
201+65	205+65	RT	100.0	
207+55	215+65	LT	845.0	
301+20	304+60	LT	350.0	
	TOTAL:		2735.0	

100-37
04-18-17

GRATE INTAKE SEDIMENT FILTER BAG

Possible Detail: 570-7

Location Station	Side	Installation	Maintenance	Removal	Remarks
		EACH	EACH	EACH	
105+28	RT	1	1	1	
111+83	LT	1	1	1	
206+00	RT	1	1	1	
210+73	LT	1	1	1	
211+73	LT	1	1	1	
211+78	LT	1	1	1	
214+85	RT	1	1	1	
217+63	RT	1	1	1	
TOTAL:		8	8	8	



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LETTING DATE: 9/15/2026 CAD DATE: 6/16/2026 1:44:49 AM
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NO	DATE	BY	REVISION DESCRIPTION

Foth

EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE

CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
PLAN AND PROFILE

SHEET NO.
D.1

TAP-U-1187(793)--8I-57

174

CARNAHAN JAMES E & CHERYL E
VACANT

177

WEBER MILES J & IDA B
4422 WOODVIEW DR NE

WOODVIEW DRIVE NE

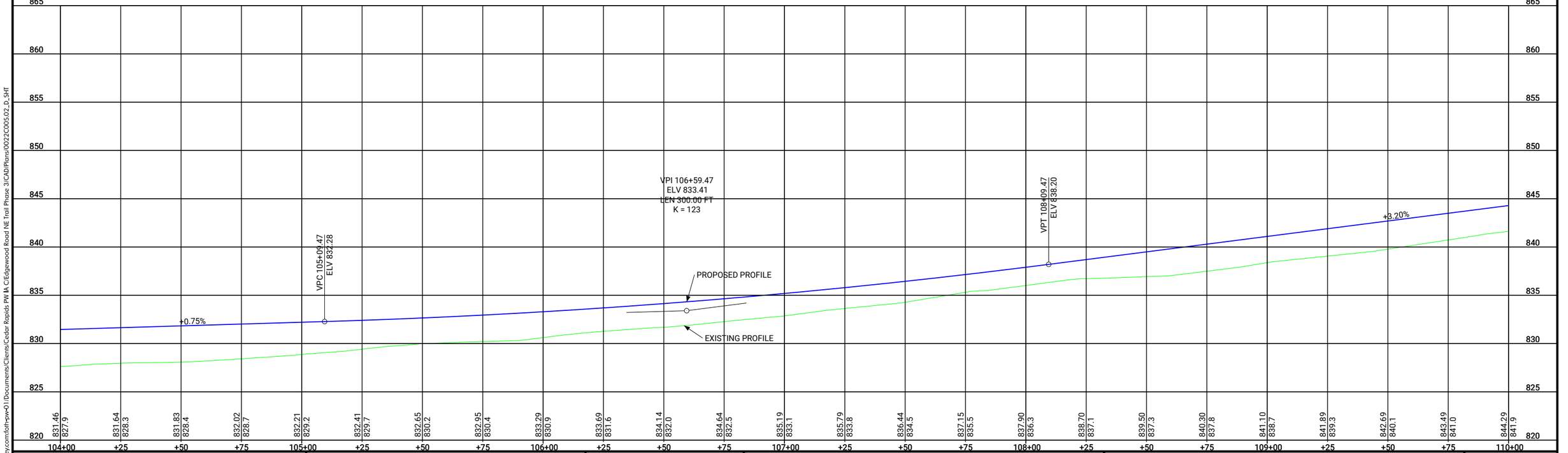
EDGEWOOD ROAD NE

104+00 105+00 106+00 107+00 108+00 109+00 110+00

50+00 51+00 52+00

CPT SOUNDING, CPT-10
SOIL BORING, B-106
CPT-9
RETAINING WALL
CPT-8
GRADING LIMIT
PT 106+80.21
CPT-7
B-105
CPT-6
CPT-5
DITCH ALIGNMENT, SEE E SHEETS
B-104
B-3

RWAY xRWAY W(B) W(D) M.ZI F.W OHE G(D) F.O(D) ST SAN



0 20 FEET

CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
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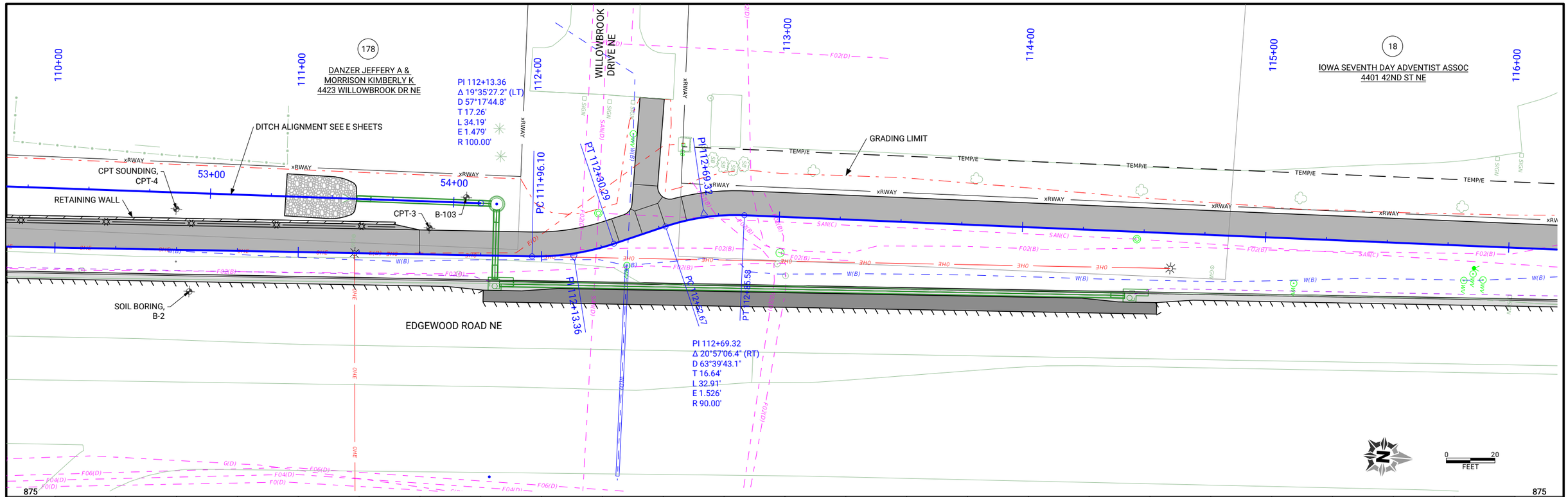
Foth

EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
PLAN AND PROFILE

SHEET NO.
D.2
TAP-U-1187(793)--8I-57

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CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
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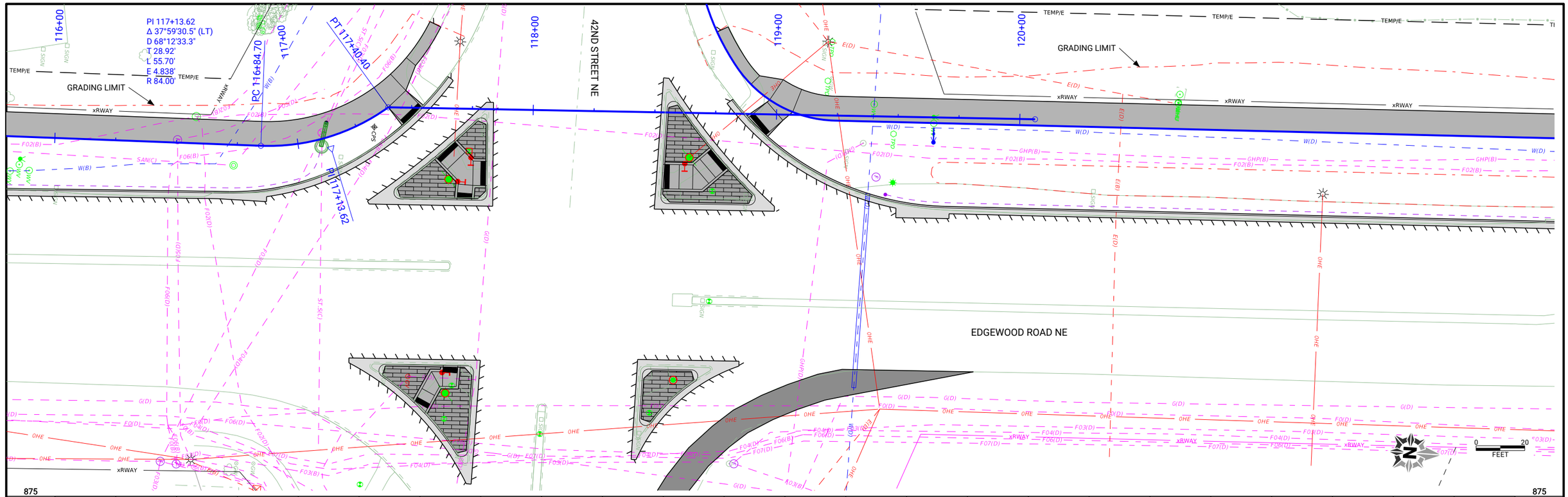
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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE

CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
PLAN AND PROFILE

SHEET NO.
D.3
TAP-U-1187(793)--8I-57



CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
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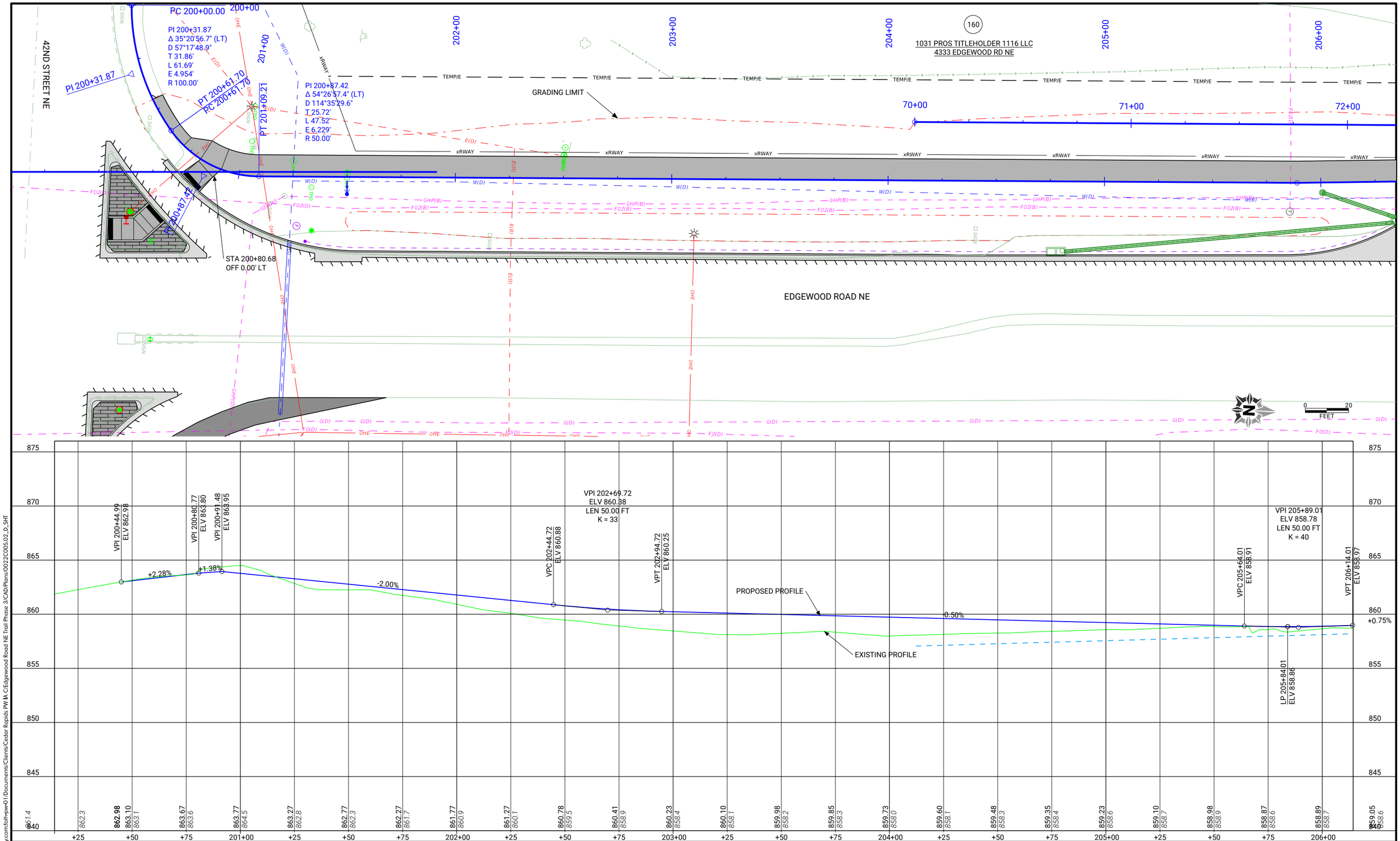
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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
PLAN AND PROFILE

SHEET NO.
D.4
TAP-U-1187(793)--8I-57

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DRAWN BY:	K. WOLLNER		
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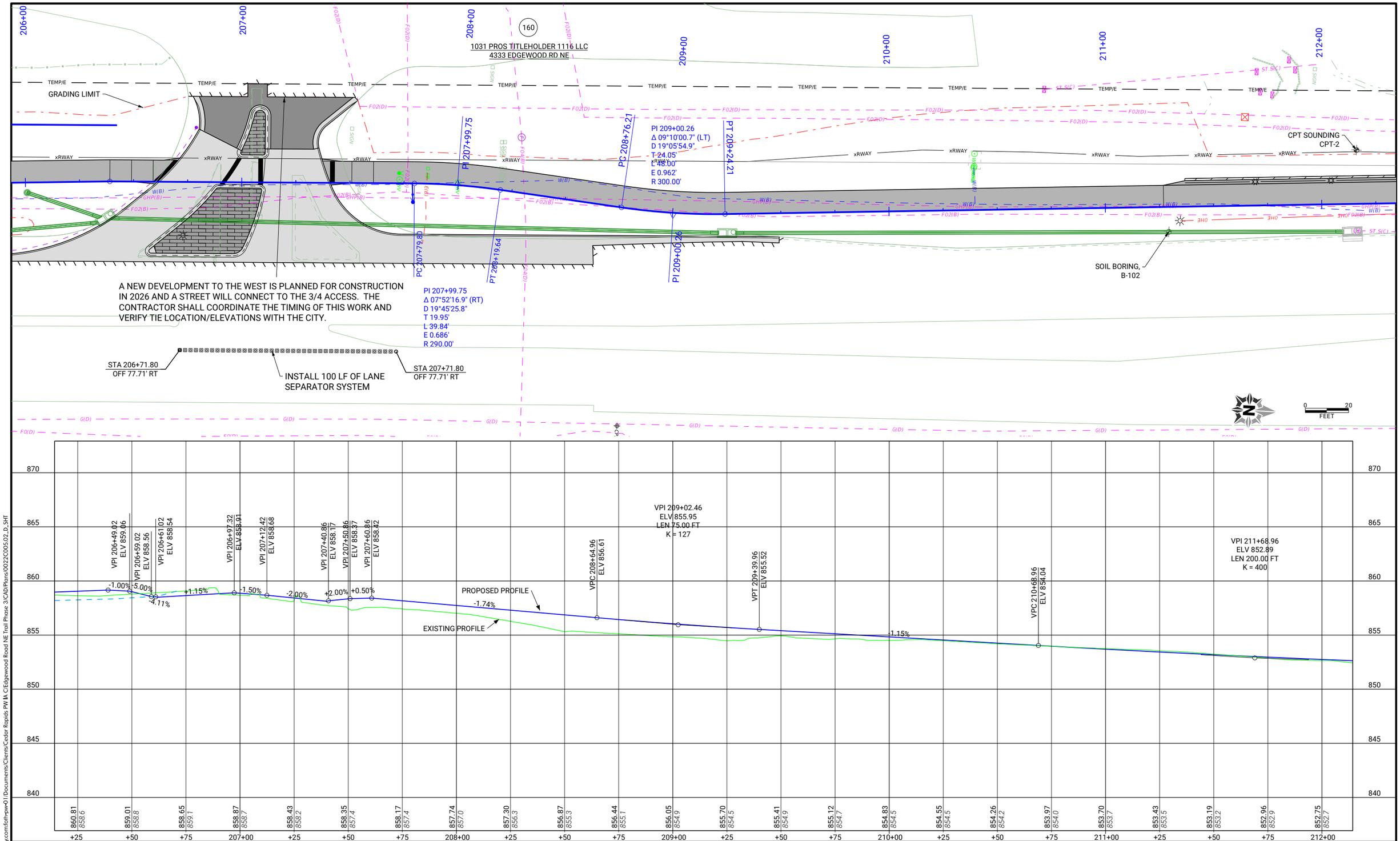
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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
PLAN AND PROFILE

SHEET NO.
D.5
TAP-U-1187(793)--8I-57

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DESIGNED BY:	K. WOLLNER	CHECKED BY:	C. CARPER
DRAWN BY:	K. WOLLNER		
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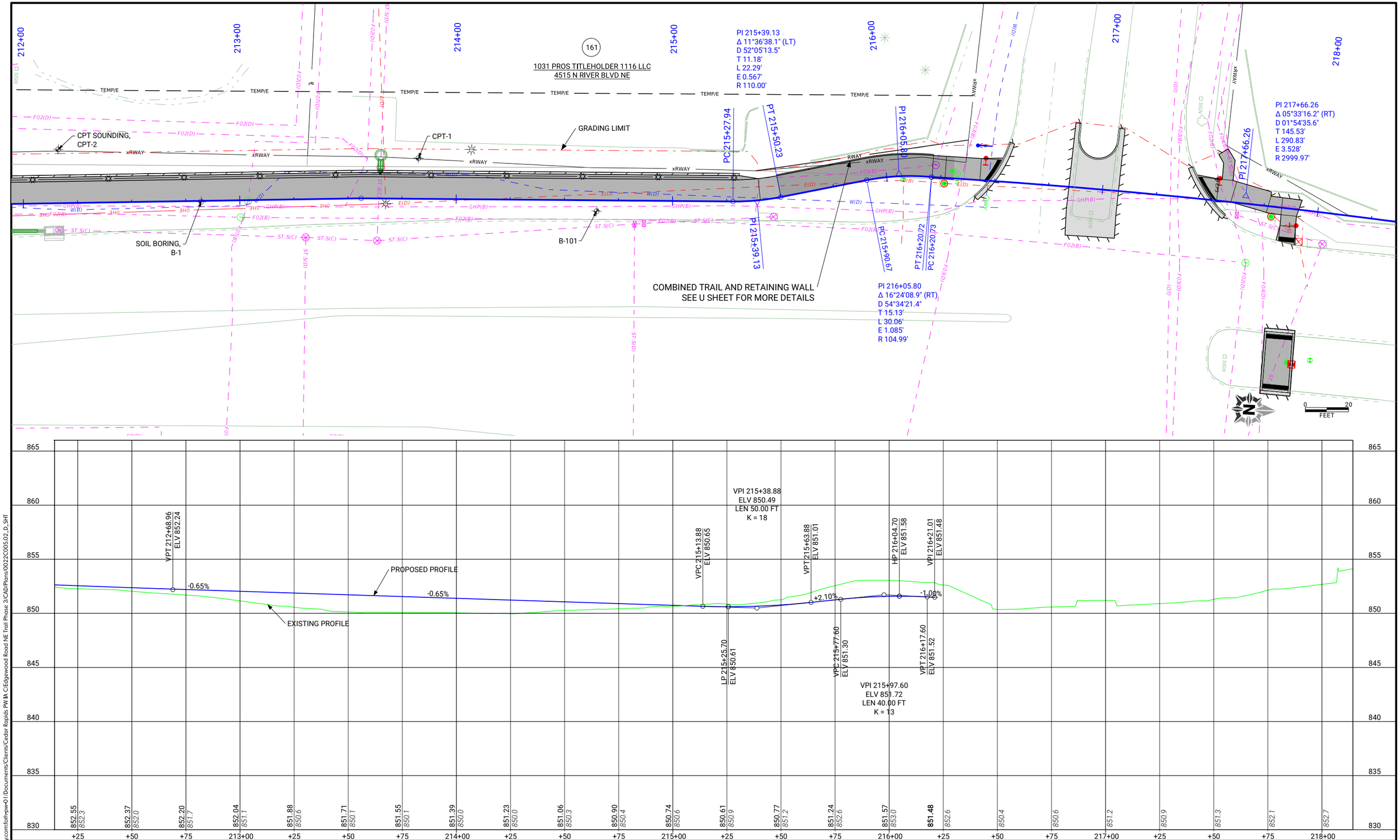
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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
PLAN AND PROFILE

SHEET NO.
D.6
TAP-U-1187(793)--8I-57



CLIENT PROJECT NO:	TAP-U-1187(793)--8I-57	FOTH PROJECT NO:	0022C005.02
DESIGNED BY:	K. WOLLNER	CHECKED BY:	C. CARPER
DRAWN BY:	K. WOLLNER		
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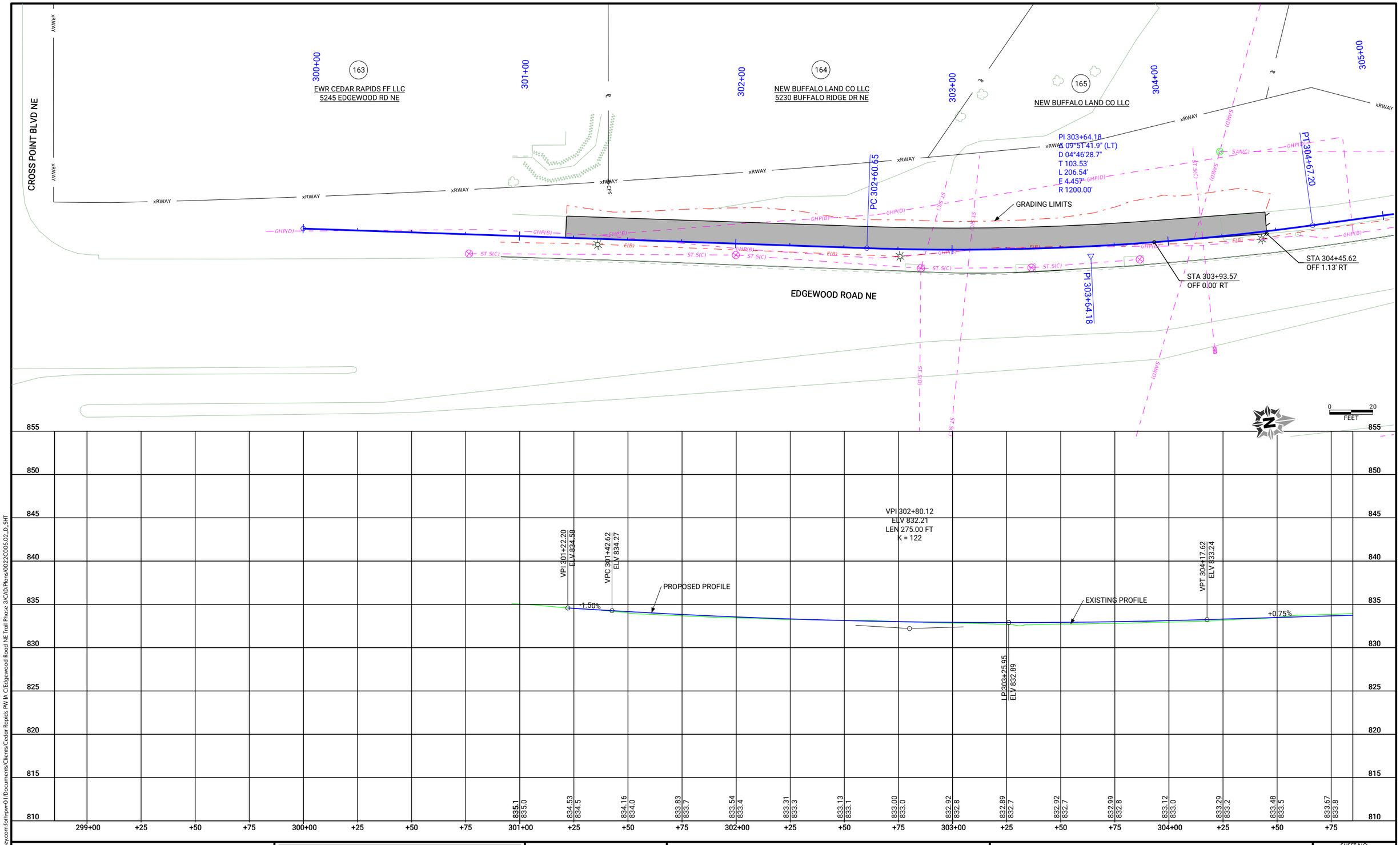
EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE

CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
PLAN AND PROFILE

SHEET NO.
D.7
TAP-U-1187(793)--8I-57

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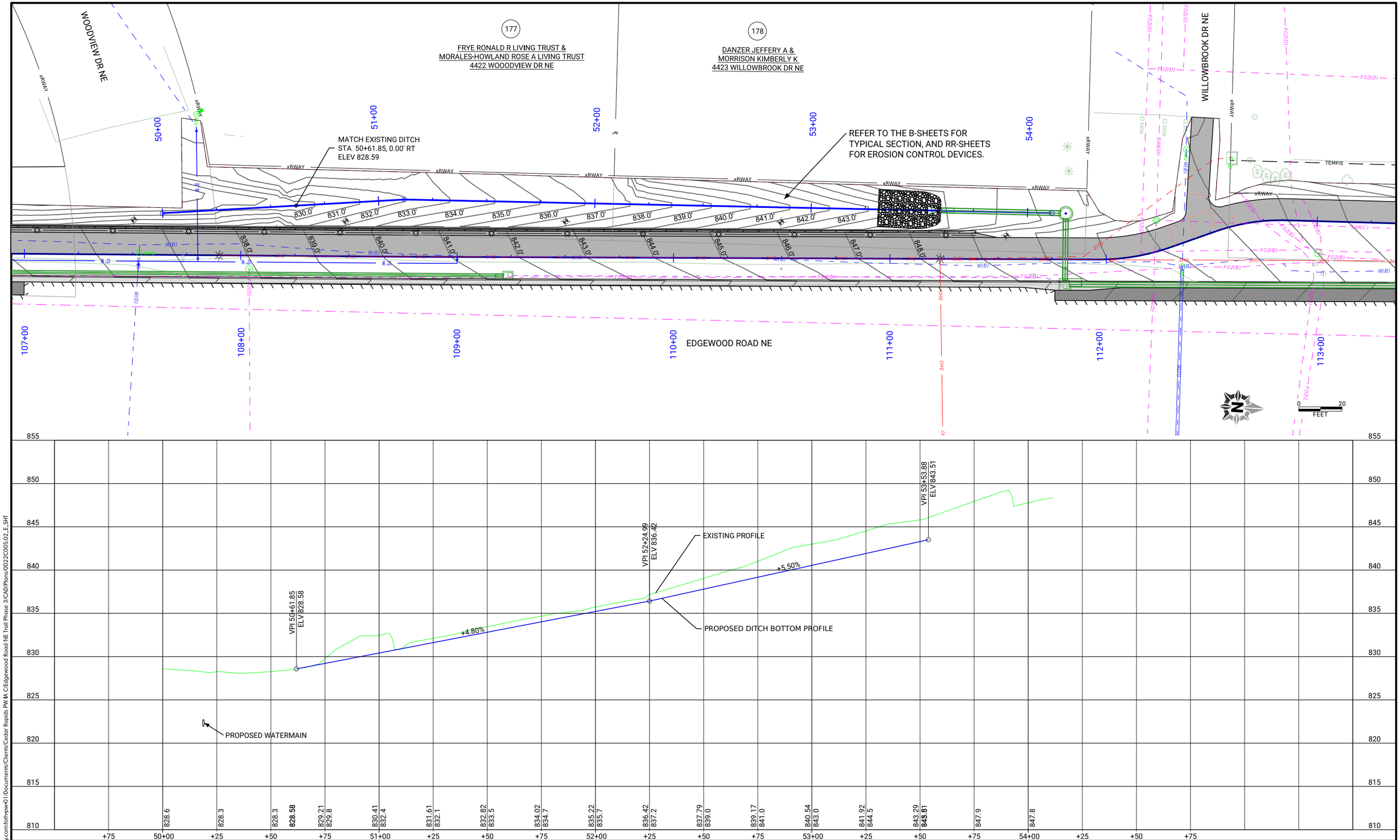
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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
PLAN AND PROFILE

SHEET NO.
D.8
TAP-U-1187(793)--8I-57



CLIENT PROJECT NO:	TAP-U-1187(793)--8I-57	FOTH PROJECT NO:	0022C005.02
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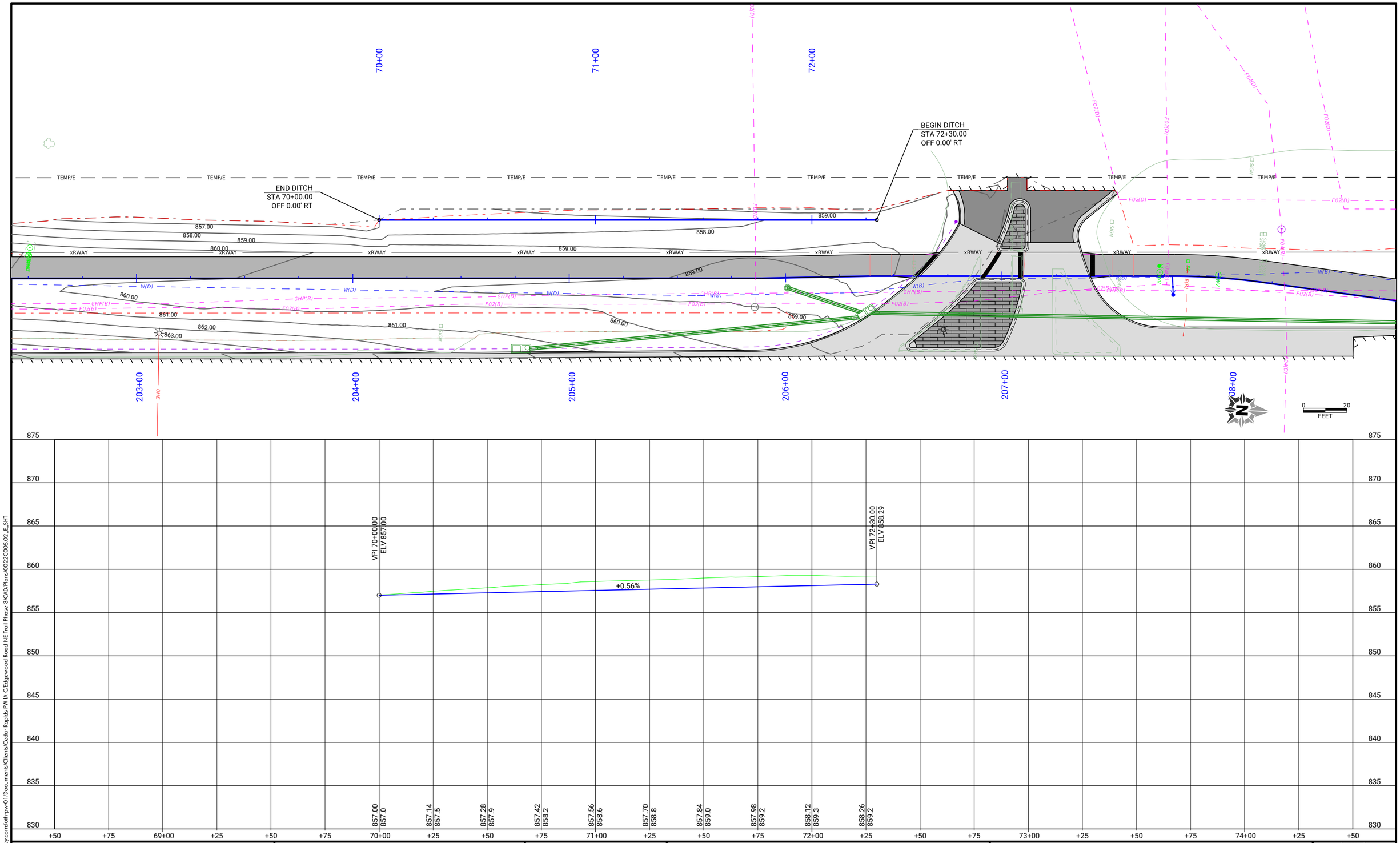
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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

DITCH PLAN AND PROFILE

SHEET NO.
E.1
TAP-U-1187(793)--8I-57

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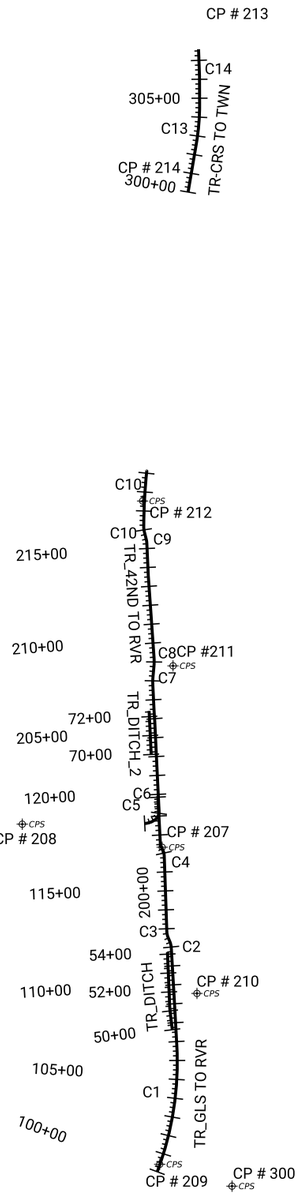
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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE

CEDAR RAPIDS, IA

DITCH PLAN AND PROFILE

SHEET NO.
E.2
TAP-U-1187(793)--8I-57



CONTROL POINTS					
CONTROL NO.	NORTHING	EASTING	ELEVATION	FEATURE	DISCRIPTION
CP #207	3476086.785	5409647.952	864.092	CPS	5/8IR
CP #208	3476208.54	5408909.465	854.713	CPS	5/8IR
CP #209	3474413.11	5409635.235	826.534	CPS	5/8IR
CP #210	3475315.243	5409831.838	842.979	CPS	5/8IR
CP #211	3477044.577	5409705.487	856.189	CPS	5/8IR
CP #212	3477914.7	5409544.811	851.352	CPS	5/8IR
CP #213	3480541.871	5409840.205	836.629	CPS	5/8IR
CP #214	3479688.122	5409782.356	836.723	CPS	1/2IRYPC
CP #300	3474297.835	5410016.802	835.179	CPS	5/8IR

GENERAL INFORMATION

MEASUREMENT UNITS FOR THIS SURVEY ARE IN US SURVEY FEET.
THIS SURVEY IS FOR THE PROPOSED GRADE AND TRAIL PROJECT ALONG EDGEWOOD ROAD IN CEDAR RAPIDS, IOWA.

HORIZONTAL CONTROL

IOWA NORTH ZONE
HORZ. DATUM: NAD83 (NA2011)
VERT. DATUM: NAVD 1988
US SURVEY FEET

ALIGNMENT DATA- TRAIL CRSP TO TWNCC										
POINT	BEARING	DISTANCE	STATION	NORTHING	EASTING	CURVE DATA				
ID		(FEET)		(Y)	(X)	CURVE NO.	DELTA	R	L	T
PI	N09°39'36.6"E	260.54	300+00.00 R1	3479545.54	5409784.99					
PC	N09°39'36.6"E	103.53	302+60.65 R1	3479802.49	5409828.73					
PI	N00°12'05.3"W	103.53	303+64.18 R1	34799004.55	5409846.11	C13	09°51'42"	-1200.00 '	206.54 '	103.53 '
PT	N00°12'05.3"W	132.62	304+67.20 R1	3480008.08	5409845.74					
PC	N00°12'05.3"W	16.11	305+99.82 R1	3480140.70	5409845.28					
PI	N02°02'49.1"E	16.11	306+15.93 R1	3480156.81	5409845.22	C14	01°50'44"	1000.00 '	32.21 '	16.11 '
PT	N02°02'49.1"E	126.61	306+32.03 R1	3480172.90	5409844.64					
PI			307+58.64 R1	3480299.44	5409845.12					

ALIGNMENT DATA- TRAIL 42ND TO RVR										
POINT	BEARING	DISTANCE	STATION	NORTHING	EASTING	CURVE DATA				
ID		(FEET)		(Y)	(X)	CURVE NO.	DELTA	R	L	T
PC	N87°03'44.284"E	31.87	200+00.00	3476212.31	5409555.82					
PI	N51°42'47.470"E	31.87	200+31.87	3476213.95	5409587.65	C5	35°20'56.715"	-100.00 '	61.69 '	31.86 '
PT	N51°42'47.470"E	25.72	200+61.70	3476233.69	5409612.66					
PI	N02°44'09.894"W	25.72	200+87.42	3476249.63	5409632.85	C6	54°26'57.365"	-50.00 '	47.52 '	25.72 '
PT	N02°44'09.894"W	479.80	201+09.21	3476275.32	5409631.62					
PI	N03°51'08.847"W	50.01	205+89.01	3476754.57	5409608.72					
PI	N02°43'14.276"W	140.78	206+39.02	3476804.47	5409605.36					
PC	N02°43'14.276"W	19.95	207+79.80	3476945.09	5409598.68					
PI	N05°09'02.654"E	19.95	207+99.75	3476965.02	5409597.73	C7	07°52'16.930"	290.000 '	39.841 '	19.952 '
PT	N05°09'02.654"E	56.58	208+19.64	3476984.89	5409599.52					
PC	N05°09'02.654"E	24.05	208+76.22	3477041.24	5409604.6					
PI	N04°00'58.082"W	24.05	209+00.27	3477065.19	5409606.76	C8	09°10'00.736"	-300.000 '	47.998 '	24.050 '
PT	N04°00'58.082"W	431.88	209+24.21	3477089.18	5409605.07					
PI	N02°36'35.179"W	171.50	213+56.10	3477520.01	5409574.83					
PC	N02°25'43.426"W	11.36	215+27.59	3477691.32	5409567.02					
PI	N14°13'13.321"W	11.36	215+38.95	3477702.67	5409566.54	C9	11°47'29.896"	-110.000 '	22.638 '	11.359 '
PT	N14°13'13.321"W	40.44	215+50.23	3477713.69	5409563.75					
PC	N14°01'32.989"W	15.13	215+90.67	3477752.88	5409553.81					
PI	N02°22'35.868"E	15.13	217+66.26	3477767.56	5409550.14	C10	16°24'08.857"	105.000 '	30.059 '	15.133 '
PCC	N00°21'13.864"E	145.53	216+20.73	3477782.68	5409550.77					
PI	N05°54'30.090"E	145.53	217+66.26	3477928.21	5409551.67	C11	05°33'16.226"	3000.000 '	290.833 '	145.531
PC			219+11.56	3478072.97	5409566.65					

ALIGNMENT DATA- TRAIL DITCH 2										
POINT	BEARING	DISTANCE	STATION	NORTHING	EASTING	CURVE DATA				
ID		(FEET)		(Y)	(X)	CURVE NO.	DELTA	R	L	T
PI	N02°43'14.276"W	230.00	70+00.00	3475123.51	5409701.54					
PI			72+30.00	3476806.39	5409579.25					

ALIGNMENT DATA- TRAIL GLASS TO RVR										
POINT	BEARING	DISTANCE	STATION	NORTHING	EASTING	CURVE DATA				
ID		(FEET)		(Y)	(X)	CURVE NO.	DELTA	R	L	T
PC	N20°39'55.5"E	345.07	100+00.00	3474373.78	5409622.16					
PI	N03°05'55.6"W	345.07	103+45.06	3474696.64	5409743.94	C1	23°45'51"	-1640.00 '	680.21 '	345.07 '
PT	N03°05'55.6"W	191.88	106+80.21	3475041.21	5409725.28					
PI	N03°19'22.8"W	324.01	108+72.09	3475232.81	5409714.91					
PC	N03°19'22.8"W	17.26	111+96.10	3475556.27	5409696.13					
PI	N22°54'50.0"W	17.26	112+13.36	3475573.50	5409695.13	C2	19°35'27"	-100.00 '	34.19 '	17.26 '
PT	N22°54'50.0"W	22.38	112+30.29	3475589.41	5409688.41					
PC	N22°54'50.0"W	16.64	112+52.674	3475610.02	5409679.69					
PI	N01°57'43.6"W	16.64	112+69.32	3475625.35	5409673.21	C3	20°57'06"	90.00 '	32.91 '	16.64 '
PT	N01°57'43.6"W	399.12	112+85.59	3475641.98	5409672.64					
PC	N01°57'43.6"W	28.92	116+84.70	3476040.86	5409658.98					
PI	N39°57'14.1"W	28.92	117+13.62	3476069.76	5409657.99	C4	37°59'30"	-84.00 '	55.70 '	28.92 '
PT	N03°04'49.1"W	265.86	117+40.40	3476091.93	5409639.42					
PI			120+06.26	3476357.41	5409625.13					

ALIGNMENT DATA- TRAIL DITCH										
POINT	BEARING	DISTANCE	STATION	NORTHING	EASTING	CURVE DATA				
ID		(FEET)		(Y)	(X)	CURVE NO.	DELTA	R	L	T
PI	N06°47'03.4"W	111.96	50+00.00	3475123.51	5409701.54					
PI	N02°21'31.2"W	299.31	51+11.96	3475234.68	5409688.31					
PI			54+11.27	3475533.74	5409675.99					

BENCHMARK DATA		
POINT	ELEVATION	DISCRIPTION
BM #5	862.59	SE BOLT ON BOTTOM RING OF FIRE HYDRANT AT SW QUADRANT OF EDGEWOOD AND 42ND
BM #6	858.10	ARROW BOLT ON FIRE HYDRANT ACROSS STREET FROM 4501 42ND STREET
BM #7	855.32	ARROW BOLT ON FRIE HYDRANT SW QUADRANT OF EDGEWOOD AND N RIVER

0 400
FEET

CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 1:07:22 PM
CAD FILE: c:\pw_workdir\pw_ie\amj3\d05791641\0022C005.02_G_SHT.dgn

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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

SURVEY, CONTROL POINTS, AND HORIZONTAL INFORMATION

SHEET NO.
G.1
TAP-U-1187(793)--8I-57

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605

604

172

CURRANS CAROL C &
WILLIAMS SCOTT E
4535 WOODVIEW DR NE

173

CARNAHAN JAMES E & CHERYL E
4455 WOODVIEW DR NE

174

CARNAHAN JAMES E & CHERYL E

100+00

101+00

102+00

103+00

104+00

105+00

STA 104+39.53
OFF 72.39' LT

STA 104+12.31
OFF 40.00' LT

1600' Radius

STA 103+41.71
OFF 31.95' LT

STA 103+82.15
OFF 1.98' LT

STA 104+26.95
OFF 33.77' RT

THIS ACQUISTION IS PART OF A CLEANUP. DURING RESEARCH FOTH SURVEYORS, THE CITY OF CEDAR RAPIDS REAL ESTATE DEPARTMENT, LINN COUNTY PLANNING & DEVELOPMENT, LINN COUNTY GIS, AND LINN COUNTY SECONDARY ROADS COULD NOT FIND A RECORDED PLAT FOR PARCEL 174.

AFTER EDGEWOOD ROAD WAS CONSTRUCTED, LINN COUNTY DID NOT 'EXCEPT THE PUBLIC HIGHWAY' WHEN THE PROPERTY WAS CONVEYED BACK TO THE PROPERTY OWNER. HENCE A RIGHT-OF-WAY LINE HAS BEEN ESTABLISHED AS SHOWN HERE WITH THE ACQUISITION.

EDGEWOOD RD NE

GLASS RD NE

171

GLASS ROAD INVESTMENT LLC
4250 GLASS RD NE

170

TBD INVESTMENTS LLC
3851 RIVER RIDGE DR NE

0 20
FEET

THIS SHEET IS FOR INFORMATION ONLY

Right of Way Legend

- Property Lines
- ROW Acquisition
- Temporary Easement

EXISTING FOUND MONUMENTS			
POINT	NORTHING	EASTING	DESCRIPTION
604	3474631.2	5409598.9	U POST
605	3474517.0	5409486.5	1/2" IRON ROD

CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: J. MEYER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 1:15:20 PM
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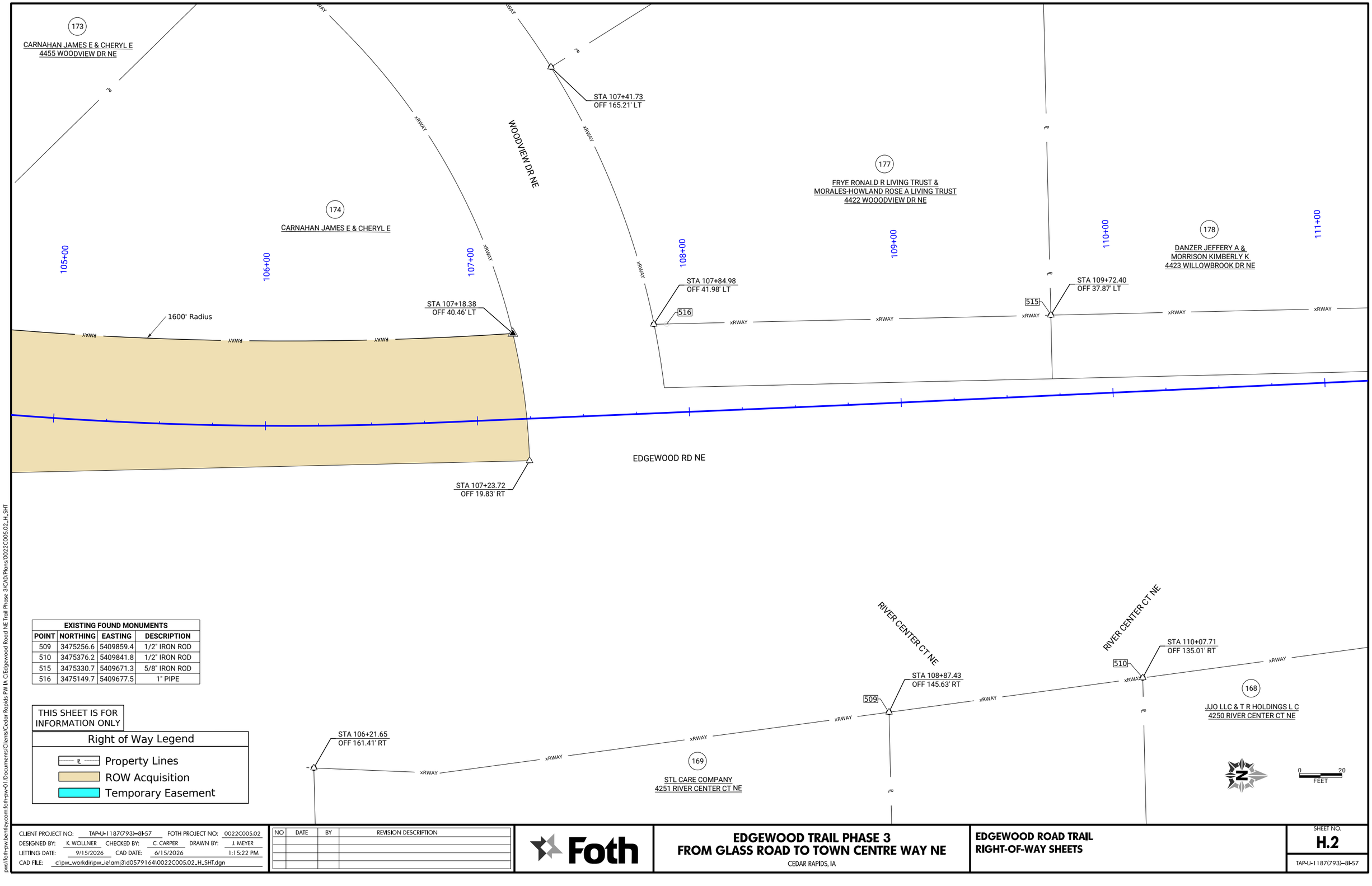
EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE

CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
RIGHT-OF-WAY SHEETS

SHEET NO.
H.1
TAP-U-1187(793)--8I-57

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EXISTING FOUND MONUMENTS			
POINT	NORTHING	EASTING	DESCRIPTION
509	3475256.6	5409859.4	1/2" IRON ROD
510	3475376.2	5409841.8	1/2" IRON ROD
515	3475330.7	5409671.3	5/8" IRON ROD
516	3475149.7	5409677.5	1" PIPE

THIS SHEET IS FOR INFORMATION ONLY

Right of Way Legend

- Property Lines
- ROW Acquisition
- Temporary Easement

CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
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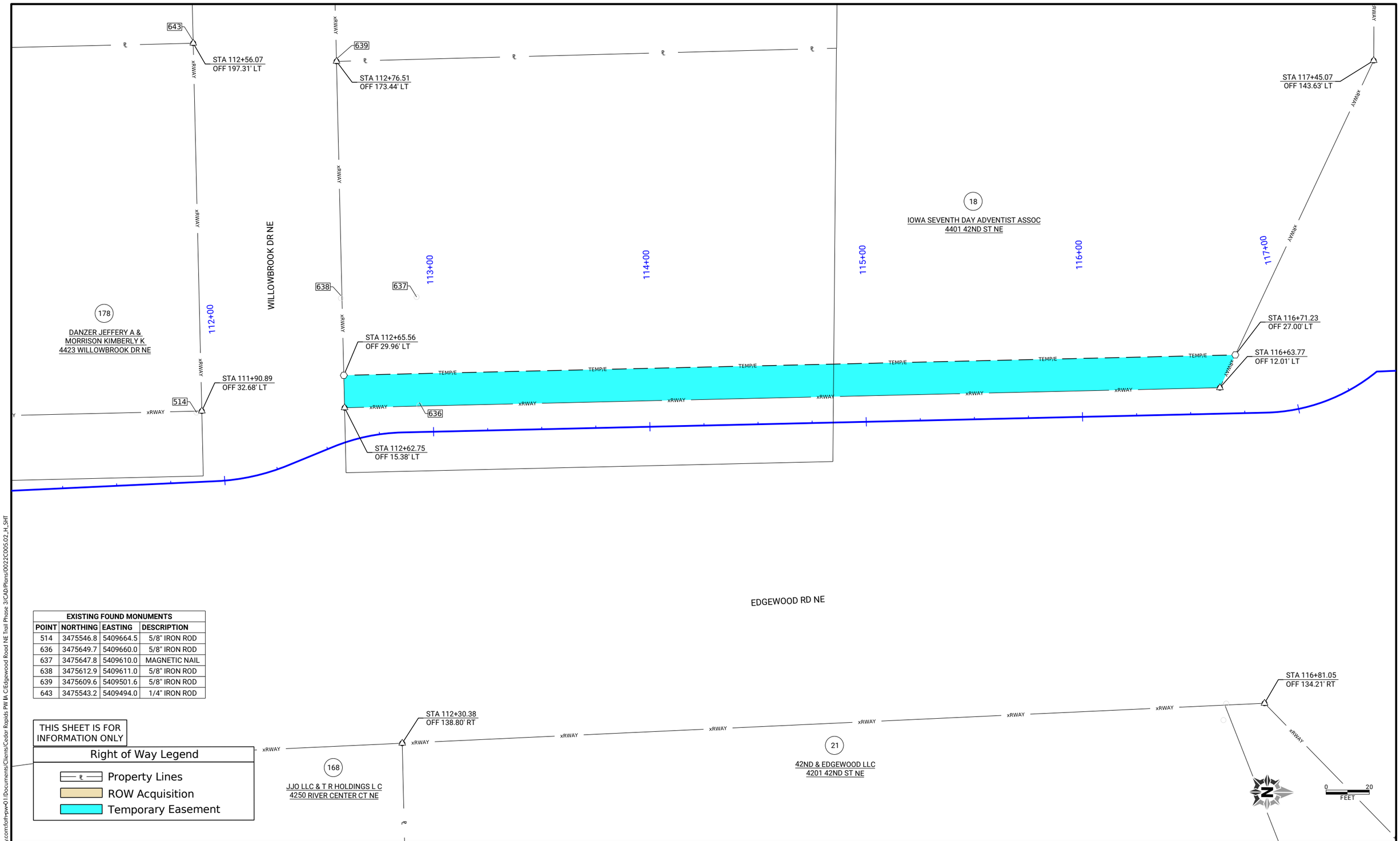
Foth

EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
RIGHT-OF-WAY SHEETS

SHEET NO.
H.2
TAP-U-1187(793)--8I-57

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EXISTING FOUND MONUMENTS			
POINT	NORTHING	EASTING	DESCRIPTION
514	3475546.8	5409664.5	5/8" IRON ROD
636	3475649.7	5409660.0	5/8" IRON ROD
637	3475647.8	5409610.0	MAGNETIC NAIL
638	3475612.9	5409611.0	5/8" IRON ROD
639	3475609.6	5409501.6	5/8" IRON ROD
643	3475543.2	5409494.0	1/4" IRON ROD

THIS SHEET IS FOR INFORMATION ONLY

Right of Way Legend

- Property Lines
- ROW Acquisition
- Temporary Easement

CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
RIGHT-OF-WAY SHEETS

SHEET NO.
H.3
TAP-U-1187(793)--8I-57

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STA 117+45.06
OFF 143.62' LT
609
xRWAY
115+00
116+00
117+00
118+00
119+00
200+00
201+00
120+00
202+00
203+00
18
IOWA SEVENTH DAY ADVENTIST ASSOC
4401 42ND ST NE
42ND ST NE
160
1031 PROS TITLEHOLDER 1116 LLC
4333 EDGEWOOD RD NE
STA 201+41.00
OFF 46.50' LT
STA 201+53.85
OFF 12.00' LT
835
TEMP/E
xRWAY
STA 116+71.23
OFF 27.00' LT
STA 116+63.76
OFF 12.00' LT
513
EDGEWOOD RD NE
STA 201+47.71
OFF 128.00' RT
STA 116+81.05
OFF 134.21' RT
512
511
21
42ND & EDGEWOOD LLC
4201 42ND ST NE

EXISTING FOUND MONUMENTS			
POINT	NORTHING	EASTING	DESCRIPTION
511	3476022.9	5409801.2	1/2" IRON ROD
512	3476024.1	5409793.6	T POST
513	3476019.5	5409647.7	5/8" IRON ROD
609	3476088.8	5409495.8	1/2" IRON ROD
835	3476284.9	5409619.2	5/8" IRON ROD

THIS SHEET IS FOR INFORMATION ONLY

Right of Way Legend

- Property Lines
- ROW Acquisition
- Temporary Easement

0 20 FEET

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CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: J. MEYER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 1:15:25 PM
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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE

CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
RIGHT-OF-WAY SHEETS

SHEET NO.
H.4
TAP-U-1187(793)--8I-57

160

1031 PROS TITLEHOLDER 1116 LLC
4333 EDGEWOOD RD NE

201+00 200+00 120+00 202+00 203+00 204+00 205+00 206+00 207+00

xRWAY

STA 201+41.00
OFF 46.50' LT

STA 201+53.85
OFF 12.00' LT

TEMP/E

xRWAY

EDGEWOOD RD NE

THIS SHEET IS FOR INFORMATION ONLY

Right of Way Legend

- Property Lines
- ROW Acquisition
- Temporary Easement

N

0 20
FEET

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CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: J. MEYER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 1:15:26 PM
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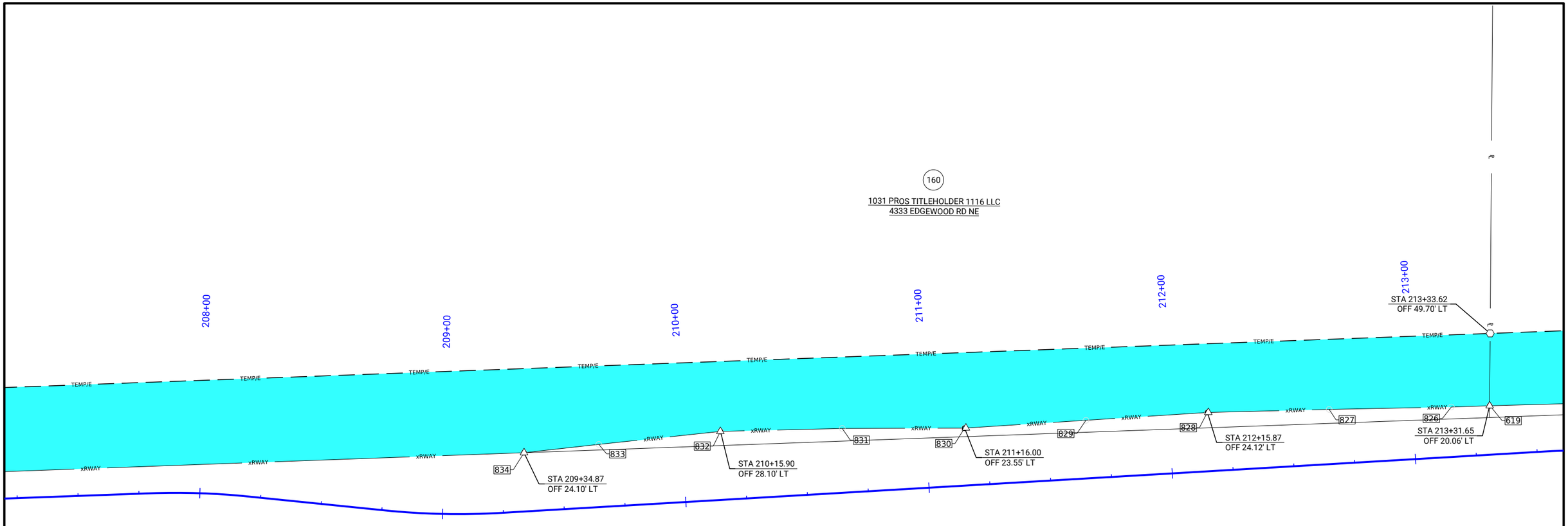
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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
RIGHT-OF-WAY SHEETS

SHEET NO.
H.5
TAP-U-1187(793)--8I-57



THIS SHEET IS FOR INFORMATION ONLY

Right of Way Legend

- Property Lines
- ROW Acquisition
- Temporary Easement

EXISTING FOUND MONUMENTS			
POINT	NORTHING	EASTING	DESCRIPTION
619	3477494.2	5409556.5	5/8" IRON ROD
826	3477478.5	5409557.2	5/8" IRON ROD
827	3477428.4	5409558.8	5/8" IRON ROD
828	3477378.4	5409560.6	5/8" IRON ROD
829	3477328.6	5409564.4	5/8" IRON ROD
830	3477278.9	5409568.1	5/8" IRON ROD
831	3477228.6	5409568.9	5/8" IRON ROD
832	3477178.7	5409570.6	5/8" IRON ROD
833	3477128.8	5409576.5	5/8" IRON ROD
834	3477098.1	5409580.3	5/8" IRON ROD

0 20
FEET

CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: J. MEYER
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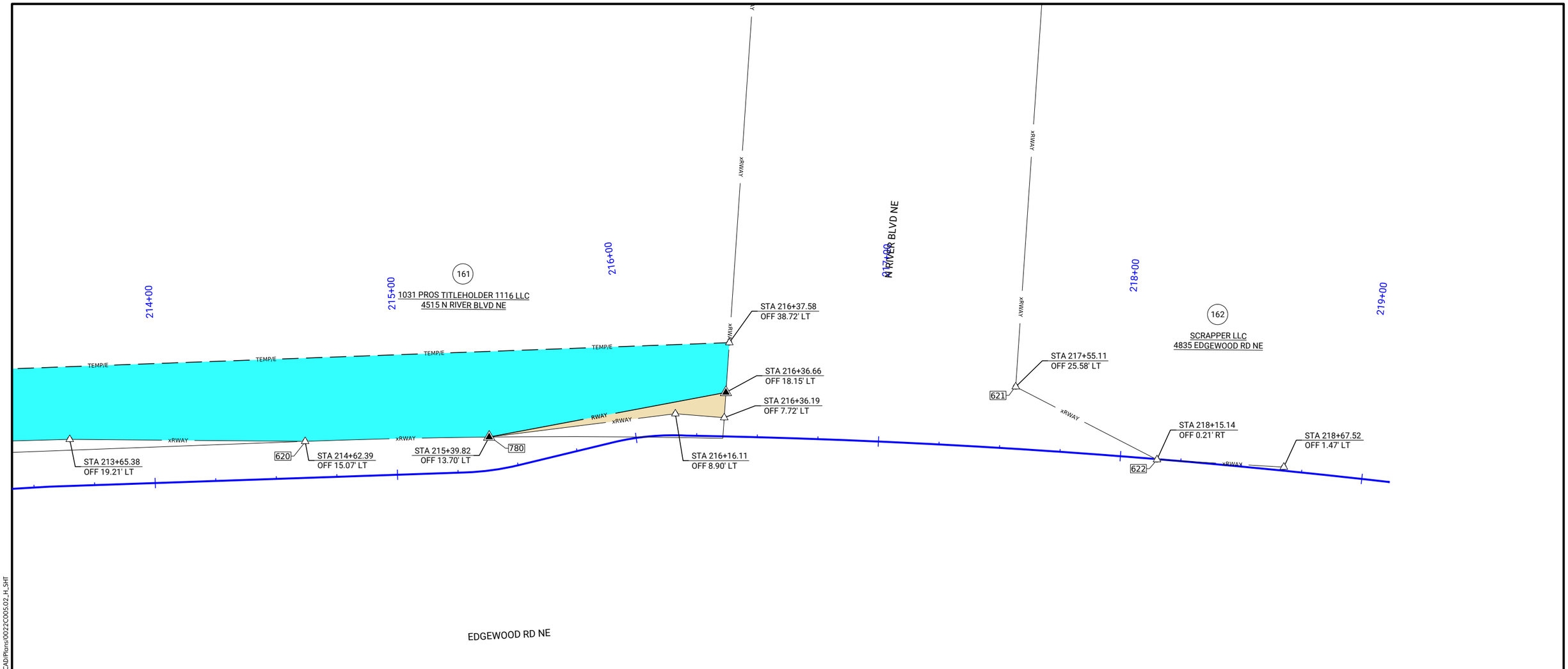
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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
RIGHT-OF-WAY SHEETS

SHEET NO.
H.6
TAP-U-1187(793)--8I-57

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Right of Way Legend

- Property Lines
- ROW Acquisition
- Temporary Easement

EXISTING FOUND MONUMENTS			
POINT	NORTHING	EASTING	DESCRIPTION
620	3477625.5	5409554.9	5/8" IRON ROD
621	3477918.3	5409529.1	1/2" IRON ROD
622	3477976.9	5409558.5	1/2" IRON ROD
780	3477701.5	5409552.3	5/8" IRON ROD

0 20 FEET

CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
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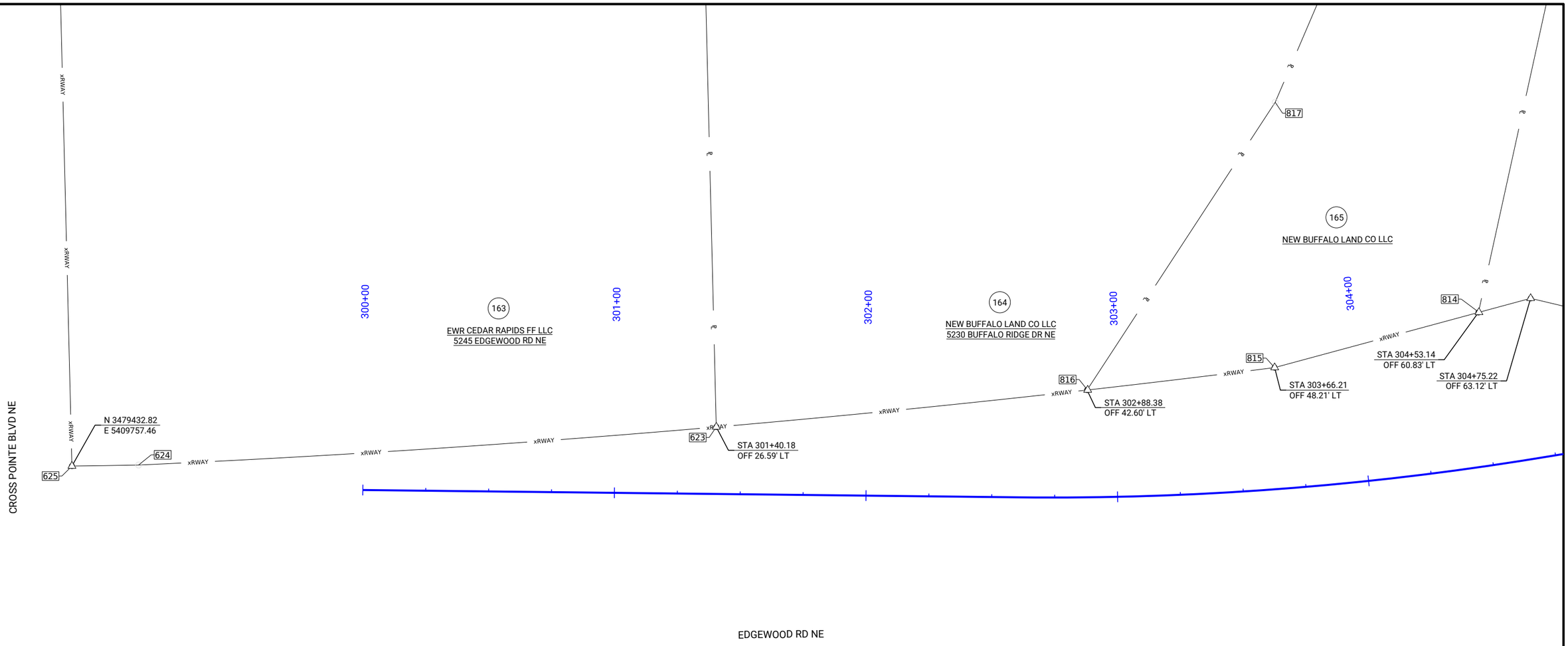
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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
RIGHT-OF-WAY SHEETS

SHEET NO.
H.7
TAP-U-1187(793)--8I-57

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Right of Way Legend

- Property Lines
- ROW Acquisition
- Temporary Easement

EXISTING FOUND MONUMENTS			
POINT	NORTHING	EASTING	DESCRIPTION
623	3479688.2	5409782.3	1/2" IRON ROD
624	3479459.1	5409761.2	5/8" IRON ROD
625	3479432.8	5409757.5	1/2" IRON ROD
814	3479994.5	5409784.9	1/2" IRON ROD
815	3479911.1	5409793.8	5/8" IRON ROD
816	3479836.1	5409790.9	1/2" IRON ROD
817	3479927.8	5409689.8	1/2" IRON ROD

0 20 FEET

CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: J. MEYER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 1:15:29 PM
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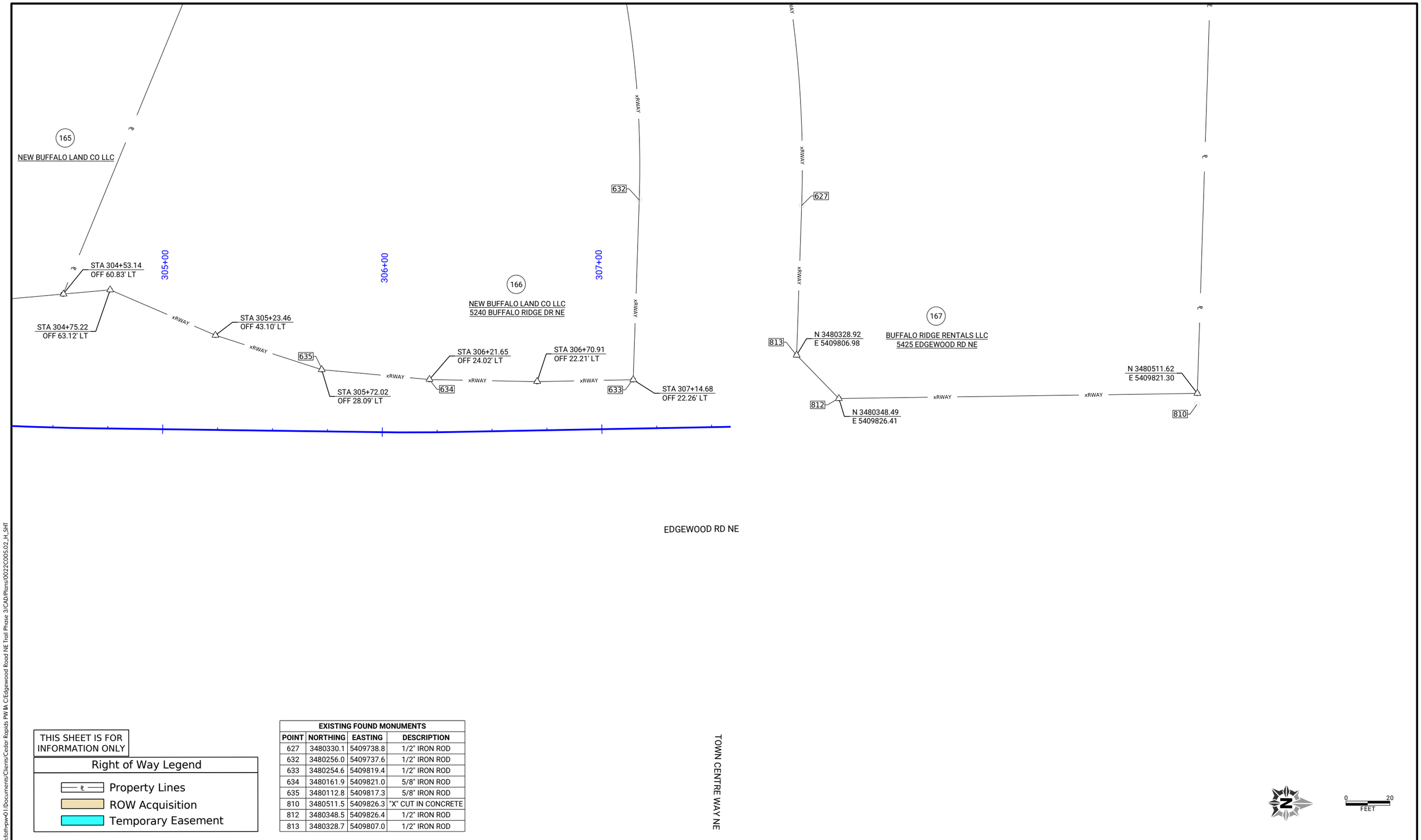
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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
RIGHT-OF-WAY SHEETS

SHEET NO.
H.8
TAP-U-1187(793)--8I-57

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THIS SHEET IS FOR INFORMATION ONLY

Right of Way Legend

- ℄ Property Lines
- ROW Acquisition
- Temporary Easement

EXISTING FOUND MONUMENTS

POINT	NORTHING	EASTING	DESCRIPTION
627	3480330.1	5409738.8	1/2" IRON ROD
632	3480256.0	5409737.6	1/2" IRON ROD
633	3480254.6	5409819.4	1/2" IRON ROD
634	3480161.9	5409821.0	5/8" IRON ROD
635	3480112.8	5409817.3	5/8" IRON ROD
810	3480511.5	5409826.3	"X" CUT IN CONCRETE
812	3480348.5	5409826.4	1/2" IRON ROD
813	3480328.7	5409807.0	1/2" IRON ROD

0 20 FEET

CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: J. MEYER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 1:15:30 PM
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NO	DATE	BY	REVISION DESCRIPTION

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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
RIGHT-OF-WAY SHEETS

SHEET NO.
H.9
TAP-U-1187(793)--8I-57

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1 REPLACE VALVE BOX
STA 101+65.92, 7.36 LT

2 REPLACE VALVE BOX
STA 101+69.48, 3.85 LT

3 REPLACE VALVE BOX
STA 101+77.40, 6.51 LT

4 REMOVE TRAFFIC HANDHOLE
STA 101, 46.66, 1.56 RT

5 ADJUST HANDHOLE (BY OTHERS)
STA 103+39.26, 2.22 RT

6 REMOVE GUY WIRE (BY ALLIANT), CONTRACTOR TO COORDINATE
STA 104+65.45, 6.86 LT

7 REMOVE LIGHT POLE (BY ALLIANT), CONTRACTOR TO COORDINATE
STA 104+64.75, 1.51 RT

8 REMOVE SIGN
STA 101+35.72, 50.31 RT

9 REMOVE STORM SEWER INTAKE
STA 101+38.97, 50.37 RT

10 REMOVE SIGNAL MANHOLE
STA 101+49.00, 50.20 RT

11 REMOVE LIGHT POLE AND SECONDARY OVERHEAD WIRING (BY ALLIANT), CONTRACTOR TO COORDINATE
STA 100+53.11, 100.64 RT

12 REMOVE TRAFFIC HANDHOLE
STA 101+26.48, 105.45 RT

13 REMOVE TRAFFIC CONTROLLER
STA 101+42.51, 109.81 RT

14 REMOVE 61' OF STORM PIPE
STA 101+38.35, 30.24 RT

15 REMOVE STORM OUTLET
STA 101+38.90, 11.66 LT

16 REMOVE SIGNAL POLE
STA 100+99.59, 3.93' RT

17 REMOVE SIGNAL POLE (BY CONTRACTOR)
REMOVE LIGHT FIXTURE (BY ALLIANT), CONTRACTOR TO COORDINATE
STA 100+70.99, 1.08' LT

18 REMOVE TRAFFIC HANDHOLE
STA 101+46.18, 92.45' RT

19 REMOVE 25 LF OF SLW2 PAVEMENT MARKING
STA 100+99.85, 112.67' RT

20 REMOVE 101 LF OF SLW4 PAVEMENT MARKING
STA 101+11.14, 118.56' RT

21 REMOVE 221 LF OF DCY4 PAVEMENT MARKING
STA 101+00.11, 119.10' RT

22 REMOVE SIGN
STA 101+24.39, 151.16' RT

23 REMOVE 600' OF 12" WATER MAIN
STA 103+00.41, 1.34 RT

24 REMOVE SIGNAL POLE (BY CONTRACTOR)
REMOVE LIGHT FIXTURE (BY ALLIANT), CONTRACTOR TO COORDINATE
STA 101+58.93, 89.77' RT

NOTE:
1) PAVEMENT MARKING REMOVAL RELATED TO STAGING IS IN J SHEETS

2) ITEMS NOTED AS "RELOCATION BY OTHERS" WILL BE RELOCATED PRIOR TO CONSTRUCTION.

LEGEND
- # ADJUSTMENT
- (#) PROTECT
- ⬡# RELOCATE
- ⬡# REMOVAL
- X TREE REMOVAL
- PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- DRIVEWAY REMOVAL

172
CURRANS CAROL C &
WILLIAMS SCOTT E
4535 WOODVIEW DR NE

173
CARNAHAN JAMES E & CHERYL E
4455 WOODVIEW DR NE

100+00
101+00
102+00
103+00
104+00
105+00

EDGEWOOD RD NE

GLASS RD NE

170
TBD INVESTMENTS LLC
3851 RIVER RIDGE DR NE

0 20
FEET

CLIENT PROJECT NO:	TAP-U-1187(793)--8I-57	FOTH PROJECT NO:	0022C005.02
DESIGNED BY:	K. WOLLNER	CHECKED BY:	C. CARPER
DRAWN BY:	K. WOLLNER		
LETTING DATE:	9/15/2026	CAD DATE:	6/15/2026 10:24:33 PM
CAD FILE:	c:\pw_workdir\pw_ie\cjc\d0579164\0022C005.02_I_SHT.dgn		

NO	DATE	BY	REVISION DESCRIPTION

Foth

EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
REMOVALS

SHEET NO.
I.1
TAP-U-1187(793)--8I-57

pw://foth-pw.bentley.com:foth-pw-01 | Documents\Clients\Cedar Rapids PW IA C\Edgewood Road NE Trail Phase 3\CAD\Plans\0022C005.02_I_SHT

1. REMOVE STORM OUTLET
STA 105+26.93, 24.44 LT
2. REMOVE 27' OF STORM PIPE
STA 105+27.18, 10.65 LT
3. REMOVE STORM SEWER MANHOLE
STA `05+27.43, 3.13 RT
4. REMOVE 43' OF STORM PIPE
STA 105+27.17, 8.09 RT
5. REMOVE SIGN
STA 106+26.89, 1.84 RT
6. REMOVE GUY WIRE (BY ALLIANT), CONTRACTOR TO COORDINATE
STA 107+73.42, 1.29 LT
7. REMOVE LIGHT POLE (BY ALLIANT), CONTRACTOR TO COORDINATE
STA 107+89.99, 0.17 RT
8. ADJUST TELEPHONE MANHOLE (BY OTHERS)
STA 108+03.87, 6.29 RT
9. REMOVE/REINSTALL STOP BOX
STA 107+53.28, 4.54' LT
10. REMOVE STORM SEWER INTAKE
STA 105+28.34, 45.87' RT

105+00
106+00
107+00
108+00
109+00
110+00
111+00

174
CARNAHAN JAMES E & CHERYL E

177
FRYE RONALD R LIVING TRUST &
MORALES-HOWLAND ROSE A LIVING TRUST
4422 WOOODVIEW DR NE

178
DANZER JEFFERY A &
MORRISON KIMBERLY K
4423 WILLOWBROOK DR NE

EDGEWOOD RD NE

RIVER CENTER CT NE

168
JJO LLC & T R HOLDINGS L C
4250 RIVER CENTER CT NE

169
STL CARE COMPANY
4251 RIVER CENTER CT NE

NOTE:
1) PAVEMENT MARKING REMOVAL RELATED TO STAGING IS IN J SHEETS

2) ITEMS NOTED AS "RELOCATION BY OTHERS" WILL BE RELOCATED PRIOR TO CONSTRUCTION.

LEGEND
- # ADJUSTMENT
- # PROTECT
- # RELOCATE
- # REMOVAL
- TREE REMOVAL
- PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- DRIVEWAY REMOVAL

0 20 FEET

CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 10:25:25 PM
CAD FILE: c:\pw_workdir\pw_ie\cjc\d0579164\0022C005.02_L_SHT.dgn

NO	DATE	BY	REVISION DESCRIPTION

Foth

EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
REMOVALS

SHEET NO.
I.2
TAP-U-1187(793)--8I-57

pw://foth-pw.bentley.com:foth-pw-01/Documents/Clients/Cedar Rapids PW IA C/Edgewood Road NE Trail Phase 3/CAD/Plans/0022C005.02_L_SHT

1 REMOVE GUY WIRE (BY ALLIANT), CONTRACTOR TO COORDINATE
STA 111+22.68, 7.02 LT

2 REMOVE LIGHT POLE (BY ALLIANT), CONTRACTOR TO COORDINATE
STA 111+23.13, 0.02 RT

3 ADJUST SANITARY SEWER MANHOLE
STA 112+27.91, 139.2 LT

4 ADJUST WATER VALVE
STA 112+52.21, 40.22 LT

5 ADJUST WATER VALVE
STA 112+32.50, 10.21 RT

6 ADJUST VAULT CASTING (BY LUMEN)
STA 113+00.85, 14.81 RT

7 ADJUST SANITARY SEWER MANHOLE
STA 114+47.16, 3.01 RT

8 REMOVE LIGHT POLE (BY ALLIANT), CONTRACTOR TO COORDINATE
STA 114+61.36, 14.46 RT

9 REMOVE GUY WIRE (BY ALLIANT), CONTRACTOR TO COORDINATE
STA 114+78.58, 13.27 RT

10 ADJUST WATER VALVE
STA 115+12.31, 18.41 RT

11 ADJUST WATER VALVE
STA 115+82.11, 14.29 RT

12 ADJUST HYDRANT VALVE
STA 115+85.78, 11.47 RT

13 ADJUST FIRE HYDRANT
STA 115+86.08, 9.10 RT

14 ADJUST WATER VALVE
STA 115+89.96, 13.75 RT

15 REMOVE SIGN
STA 116+01.30, 20.38 RT

16 ADJUST HANDHOLE (BY MEDIACOM)
STA 116+50.39, 1.19 LT

17 ADJUST VAULT CASTING (BY LUMEN)
STA 116+57.74, 10.98 LT

18 ADJUST SANITARY SEWER MANHOLE
STA 116+73.79, 8.46 RT

19 REMOVE STORM SEWER MANHOLE
STA 117+10.75, 2.36 LT

20 REMOVE SIGN
STA 117+15.11, 9.39 RT

21 REMOVE 4.5 LF OF 15" STORM SEWER
STA 117+13.78, 5.91' LT

22 REMOVE 5.6 LF OF 24" STORM SEWER
STA 117+09.12, 3.00' RT

23 REMOVE SIGN
STA 114+68.46, 107.72' RT

178
DANZER JEFFERY A &
MORRISON KIMBERLY K
4423 WILLOWBROOK DR NE

18
IOWA SEVENTH DAY ADVENTIST ASSOC
4401 42ND ST NE

168
JJO LLC & T R HOLDINGS L C
4250 RIVER CENTER CT NE

21
42ND & EDGEWOOD LLC
4201 42ND ST NE

EDGEWOOD RD NE

112+00 113+00 114+00 115+00 116+00 117+00

NOTE:
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2) ITEMS NOTED AS "RELOCATION BY OTHERS" WILL BE RELOCATED PRIOR TO CONSTRUCTION.

LEGEND
- # ADJUSTMENT
- (#) PROTECT
- (#) RELOCATE
- (#) REMOVAL
- X TREE REMOVAL
- PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- DRIVEWAY REMOVAL

0 20 FEET

CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 10:25:36 PM
CAD FILE: c:\pw_workdir\pw_ie1\cjc\d0579164\0022C005.02_I_SHT.dgn

NO	DATE	BY	REVISION DESCRIPTION

Foth

EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL REMOVALS

SHEET NO.
I.3
TAP-U-1187(793)--8I-57

pw://foth-pw.bentley.com:foth-pw01/Documents/Clients/Cedar Rapids PW IA C/Edgewood Road NE Trail Phase 3/CAD/Plans\0022C005.02_I_SHT

1. PROTECT LIGHT POLE
STA 117+69.47, 27.57 LT
2. PROTECT SIGNAL POLE
STA 117+65.78, 29.13 RT
3. ADJUST TRAFFIC HANDHOLE
STA 117+73.99, 17.41 RT
4. REMOVE SIGN
STA 117+79.67, 4.45 RT
5. PROTECT SIGN
STA 200+50.98, 7.25' RT
6. PROTECT SIGNAL POLE
STA 118+64.50, 18.37 RT
7. ADJUST TRAFFIC HANDHOLE
STA 118+74.17, 32.00 RT
8. REMOVE SIGN
STA 118+87.96, 733.31 RT
9. REMOVE SIGN
STA 117+10.08, 97.92 RT
10. ADJUST GAS VAVLE (BY MIDAMERICAN)
STA 117+13.92, 103.68 RT
11. ADJUST TRAFFIC HANDHOLE
STA 117+20.75, 113.37 RT
12. PROTECT SIGNAL POLE
STA 117+19.18, 115.29 RT
13. ADJUST TRAFFIC HANDHOLE
STA 117+17.46, 125.00 RT
14. REMOVE SIGN
STA 117+18.30, 135.79 RT
15. ADJUST TRAFFIC HANDHOLE
STA 118+49.98, 123.55 RT
16. REMOVE SIGN
STA 118+45.96, 132.01 RT
17. PROTECT SIGNAL POLE
STA 118+59.52, 109.92 RT
18. PROTECT UTILITY POLE
STA 119+20.70, 30.31 LT

18
IOWA SEVENTH DAY ADVENTIST ASSOC
4401 42ND ST NE

160
1031 PROS TITLEHOLDER 1116 LLC
4333 EDGEWOOD RD NE

115+00 116+00 117+00 118+00 119+00 200+00 201+00 202+00 120+00 203+00

42ND ST NE

EDGEWOOD RD NE

NOTE:
1) PAVEMENT MARKING REMOVAL RELATED TO STAGING IS IN J SHEETS

2) ITEMS NOTED AS "RELOCATION BY OTHERS" WILL BE RELOCATED PRIOR TO CONSTRUCTION.

LEGEND
- # ADJUSTMENT
- # PROTECT
- # RELOCATE
- # REMOVAL
- TREE REMOVAL
- PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- DRIVEWAY REMOVAL

21
42ND & EDGEWOOD LLC
4201 42ND ST NE

0 20
FEET

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CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
LETTING DATE: 9/15/2026 CAD DATE: 6/16/2026 2:30:56 AM
CAD FILE: c:\pw_workdir\pw_ie\cjc\d0579164\0022C005.02_I_SHT.dgn

NO	DATE	BY	REVISION DESCRIPTION

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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
REMOVALS

SHEET NO.
I.4
TAP-U-1187(793)--8I-57

1 ADJUST FIBER MANHOLE (BY OTHERS)
STA 201+26.74, 22.79' RT

2 PROTECT TRAFFIC CAMERA POLE
STA 201+33.70, 24.88' RT

3 ADJUST TELEPHONE PEDESTAL (BY OTHERS)
STA 201+33.25, 4.76' RT

4 ADJUST WATER VALVE
STA 201+25.30, 7.10' LT

5 REMOVE FIRE HYDRANT ASSEMBLY
STA 201+49.85, 2.47' LT

6 REMOVE SIGN
STA 202+16.21, 26.47' RT

7 ADJUST IRRIGATION SYSTEM (BY OTHERS)
STA 202+50.77, 14.22' LT

8 REMOVE LIGHT POLE (BY ALLIANT),
CONTRACTOR TO COORDINATE
STA 203+10.47, 25.27' RT

9 REMOVE SIGN
STA 204+40.65, 22.05' RT

10 REMOVE LIGHT POLE (BY ALLIANT),
CONTRACTOR TO COORDINATE
STA 206+73.04, 24.68' RT

11 REMOVE SIGN
STA 206+59.44, 6.14' LT

12 REMOVE SIGN
STA 206+88.00, 31.60' RT

13 ADJUST STOP BOX
STA 202+50.20, 10.87' LT

160

1031 PROS TITLEHOLDER 1116 LLC
4333 EDGEWOOD RD NE

NOTE:
1) PAVEMENT MARKING REMOVAL
RELATED TO STAGING IS IN J SHEETS

2) ITEMS NOTED AS "RELOCATION BY
OTHERS" WILL BE RELOCATED PRIOR
TO CONSTRUCTION.

LEGEND
- # ADJUSTMENT
- # PROTECT
- # RELOCATE
- # REMOVAL
- TREE REMOVAL
- PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- DRIVEWAY REMOVAL

EDGEWOOD RD NE

0 20 FEET

pw://foth-pw.bentley.com:foth-pw-011\Documents\Clients\Cedar Rapids PW IA CE\Edgewood Road NE Trail Phase 3\CAD\Plans\0022C005.02_L_SHT

CLIENT PROJECT NO: TAP-U-1187(793)--81-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
LETTING DATE: 9/15/2026 CAD DATE: 6/16/2026 2:31:08 AM
CAD FILE: c:\pw_workdir\pw_ie\cjc\d0579164\0022C005.02_L_SHT.dgn

NO	DATE	BY	REVISION DESCRIPTION

Foth

EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
REMOVALS

SHEET NO.
L5
TAP-U-1187(793)--81-57

1 REMOVE SIGN
STA 207+54.52, 1.75' LT

2 REMOVE FIRE HYDRANT ASSEMBLY
STA 207+72.71, 4.70' LT

3 RELOCATE JUNCTION CABINET (BY ALLIANT)
STA 207+85.93, 6.94' LT

4 REMOVE SIGN
STA 208+18.55, 9.78' LT

5 ADJUST STOP BOX
STA 210+39.51, 19.56' LT

6 REMOVE LIGHT POLE (BY ALLIANT),
CONTRACTOR TO COORDINATE
STA 211+34.48, 6.51' RT

7 ADJUST TELEPHONE MANHOLE (BY OTHERS)
STA 213+00.28, 7.80' RT

8 ADJUST FIBER MANHOLE AND ABANDON,
CONTRACTOR TO COORDINATE
STA 213+03.84, 0.17' RT

9 REPLACE VALVE BOX
STA 207+99.91, 1.24' LT

10 REMOVE 107 LF OF SLW4 PAVEMENT MARKING
STA 208+13.89, 35.83' RT

11 ADJUST IRRIGATION SYSTEM (BY OTHERS)
STA 210+39.92, 25.98' LT

160

1031 PROS TITLEHOLDER 1116 LLC
4333 EDGEWOOD RD NE

208+00 209+00 210+00 211+00 212+00 213+00

ABANDON FIBER MANHOLE:
ACTIVE PRIVATE UTILITIES ARE COVERED AND
READY FOR THE MANHOLE TO BE ABANDONED.
REMOVE CASTING AND TOP SECTION, FILL MANHOLE
WITH SAND, COVER WITH STEEL PLATE, AND BURY.

EDGEWOOD RD NE

NOTE:
1) PAVEMENT MARKING REMOVAL
RELATED TO STAGING IS IN J SHEETS

2) ITEMS NOTED AS "RELOCATION BY
OTHERS" WILL BE RELOCATED PRIOR
TO CONSTRUCTION.

LEGEND

- # ADJUSTMENT
- # PROTECT
- # RELOCATE
- # REMOVAL
- TREE REMOVAL
- PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- DRIVEWAY REMOVAL

0 20
FEET

pw://foth-pw.bentley.com:foth-pw-01/Documents/Clients/Cedar Rapids PW IA C/Edgewood Road NE Trail Phase 3/CAD/Plans/0022C005.02_L.SHT

CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
LETTING DATE: 9/15/2026 CAD DATE: 6/16/2026 2:31:20 AM
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NO	DATE	BY	REVISION DESCRIPTION

Foth

EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
REMOVALS

SHEET NO.
I.6
TAP-U-1187(793)--8I-57

1. REMOVE STORM SEWER MANHOLE
STA 213+64.94, 14.45' LT
2. PROTECT LIGHT POLE
STA 213+67.45, 2.42' RT
3. ADJUST TRAFFIC HANDHOLE
STA 216+07.59, 1.64' RT
4. ADJUST FIBER MANHOLE (BY OTHERS)
STA 216+22.35, 5.62' LT
5. PROTECT SIGNAL POLE
STA 216+26.78, 2.63' RT
6. REMOVE FIRE HYDRANT ASSEMBLY
STA 216+30.12, 3.44' LT
7. REMOVE WATER VALVE
STA 216+32.65, 2.22' LT
8. REMOVE SIGN
STA 216+95.63, 11.20' RT
9. ADJUST STORM SEWER INTAKE
STA 217+62.96, 5.69' RT
10. PROTECT SIGNAL POLE
STA 217+78.75, 4.64' RT
11. REMOVE SIGNAL POST
STA 217+94.01, 70.79' RT
12. REMOVE 41 LF OF SLW2 PAVEMENT MARKING
STA 216+64.54, 9.17' RT
13. REMOVE 54 LF OF CBW6 PAVEMENT MARKING
STA 217+84.09, 32.12' RT
14. REMOVE 39 LF OF SLW2 PAVEMENT MARKING
STA 217+98.88, 46.26' RT
15. REMOVE 54 LF OF CBW6 PAVEMENT MARKING
STA 217+94.14, 103.31' RT
16. ADJUST TRAFFIC HANDHOLE
STA 217+92.72, 14.80' RT

161
1031 PROS TITLEHOLDER 1116 LLC
4515 N RIVER BLVD NE

162
SCRAPPER LLC
4835 EDGEWOOD RD NE

N RIVER BLVD NE

EDGEWOOD RD NE

215+00 216+00 217+00 218+00 219+00

NOTE:
1) PAVEMENT MARKING REMOVAL RELATED TO STAGING IS IN J SHEETS

2) ITEMS NOTED AS "RELOCATION BY OTHERS" WILL BE RELOCATED PRIOR TO CONSTRUCTION.

LEGEND
- # ADJUSTMENT
- # PROTECT
- # RELOCATE
- # REMOVAL
- TREE REMOVAL
- PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- DRIVEWAY REMOVAL

0 20 FEET

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CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
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NO	DATE	BY	REVISION DESCRIPTION

Foth

EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
REMOVALS

SHEET NO.
I.7
TAP-U-1187(793)--8I-57

1 PROTECT LIGHT POLE
STA 301+36.27, 2.66 RT

2 ADJUSTMENT GAS POST
STA 301+36.42, 1.20 LT

3 ADJUSTMENT STORM SEWER MANHOLE
STA 302+00.23, 5.27 RT

4 PROTECT LIGHT POLE
STA 302+75.91, 3.36 RT

5 PROTECT LIGHT POLE
STA 304+43.12, 3.27 RT

163
EWR CEDAR RAPIDS FF LLC
5245 EDGEWOOD RD NE

164
NEW BUFFALO LAND CO LLC
5230 BUFFALO RIDGE DR NE

165
NEW BUFFALO LAND CO LLC

CROSS POINTE BLVD NE

EDGEWOOD RD NE

300+00 301+00 302+00 303+00 304+00

xRWAY

GHP(D) GHP(B) E(B) ST.S(C) SAN(D) G(D) F0(D) F03(D) F07(D) SAN(C) E(D)

NOTE:
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2) ITEMS NOTED AS "RELOCATION BY OTHERS" WILL BE RELOCATED PRIOR TO CONSTRUCTION.

LEGEND
- # ADJUSTMENT
- (#) PROTECT
- ⟨#⟩ RELOCATE
- ⟨#⟩ REMOVAL
- TREE REMOVAL
- PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- DRIVEWAY REMOVAL

0 20 FEET

pw://foth-pw.bentley.com:foth-pw-01/Documents/Clients/Cedar Rapids PW IA C/Edgewood Road NE Trail Phase 3/CAD/Plans/0022C005.02_L_SHT

CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 10:26:25 PM
CAD FILE: c:\pw_workdir\pw_ie\cjc\d0579164\0022C005.02_L_SHT.dgn

NO	DATE	BY	REVISION DESCRIPTION

Foth

EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
REMOVALS

SHEET NO.
I.8
TAP-U-1187(793)--8I-57

108-23A
08-01-08

TRAFFIC CONTROL PLAN

The Contractor shall employ sound practices of safety and traffic control. These methods and practices shall include, but not be limited to, the following:

1. The Contractor shall coordinate traffic control with other projects in the area. Potential conflicting projects known at the time of bidding include:
   - 42nd Street NE from to Pine View Dr to Wenig Rd(CIP #3012188-04).
   - New development in the NW corner of Edgewood Road and 42nd Street.
   - Other potential projects will be discussed at the pre-construction meeting.

2. Traffic control on this project shall be in accordance with specific layouts shown on these plans and the Manual on Uniform Traffic Control Devices for Streets and Highways, as adopted by the Department per 761 of the Iowa Administrative Code (IAC), Chapter 130.

3. All traffic control devices shall be furnished, erected, maintained and removed by the contractor. Contractor to verify traffic control devices at a minimum of once a week or immediately after any weather event. Correct as necessary.

4. All traffic control signs shall be placed at a minimum of 2 feet clear of the back of curb or outside edge of shoulder where possible.

5. Portable mountings for warning signs may be used for temporary installations of 3 days or less.

6. The proposed signing may be modified to meet field conditions, prevent obstructions and to accommodate construction scheduling upon approval of the project engineer.

7. Orange safety fence shall be placed entirely across the traveled portion of the roadway at all locations where Type III Barricades with "Road Closed" signs are used.

8. Long term or permanent traffic control signs that conflict with specific layouts shown on these plans are to be covered as directed by the project engineer.

9. Washing of signs and traffic control devices shall be considered incidental to traffic control and required as directed by the project engineer.

10. The Contractor shall only remove signs as indicated in the contract documents.

11. All permanent road signs and pavement markings shall be installed before the roadway is reopened to traffic, unless otherwise noted.

12. The Contractor shall place painted pavement markings as indicated by the staging and traffic control plan. The Contractor shall also remove existing and temporary markings as necessary for the proposed traffic control plan. The removal method shall be approved by the project engineer and shall not permanently damage or scar the pavement.

13. The location for storage of equipment by the contractor during nonworking hours shall be as approved by the engineer. The Contractor shall provide a written agreement with the property owner(s) if private property is used to store equipment.

14. The Contractor shall install sidewalk detours and sidewalk closure signs prior to closing existing access. Refer to staging sheets for pedestrian detour routes and temporary sidewalks required during construction.

15. Major stages of construction are shown in the Staging and Traffic control Plan. Changes to the staging plan must be approved by the Engineer. The Contractor is responsible for providing detailed traffic control plans to the Engineer for all stages of work. Written notice shall be provided to the Engineer at least 48 hours in advance of roadway closures and stage transitions.

16. Changes to traffic signal timings may be necessary for various staging and traffic control plans. Contact Traffic Engineering at least one week in advance of staging changes. Signal timing changes must be made by the Traffic Engineering Department.

108-26A
08-01-08

STAGING NOTES

Construction activity in this area will disrupt traffic on Edgewood Road, Glass Road, 42nd Street, North River Blvd, and Town Centre Way.

It is recognized that as the various activities related to construction progress, certain situations may arise which will preclude adhering to the original construction sequence or which would readily lend themselves to more efficient staging operations. Should the Contractor desire to deviate from the original plan, a written alternative plan shall be submitted to the Project Engineer for approval a minimum of two (2) weeks prior to the proposed changes. Coordinate with all public and private projects in the area at all times.

TRAFFIC CONTROL:
1. Construction of the Edgewood Trail will require lane closures along Edgewood Road and various side streets. The Contractor shall maintain a single lane of traffic on all roads at all times.
2. Construction activites at the intersection of Edgewood Road and 42nd Street will require closure of the right turn bypass lanes. Any work that requires closure of the bypass lanes, restricting the right turning movements, shall be completed as night work between 9:00 pm and 6:00 am. The right turn bypass lanes shall remain open at all times outside of this specific night work window.
3. Contractor shall use Portable Dynamic Message Signs (PDMS) to inform the public a minimum of five (5) days prior to traffic pattern changes. It is anticipated that PDMS will be installed at the follow locations:
   - For northbound traffic along Edgewood Road south of Glass Road.
   - For southbound traffic along Edgewood Road south of North River Boulevard.
   - For southbound traffic along Edgewood Road south of Blairs Ferry Road.
   - For eastbound traffic along 42nd Street west of Edgewood Road.
   - For westbound traffic along 42nd Street east of Edgewood Road.
   - For westbound traffic along Glass Road east of Edgewood Road.

   Exact locations of PDMS will be determined by the Engineer in the field.
4. Contractor shall confine its equipment, storage of materials, and operation of work to the limits indicated by laws, ordinances, permits, or direction of the Engineer and shall not unreasonably encumber the premises with it's materials. The Contractor shall comply with the Engineer's instructions regarding signs and advertisements.
5. If Contractor plans to store equipment or materials on private property they need to provide a copy of the agreement to the City.

TRAFFIC SIGNALIZATION:
1. Edgewood Rd NE at Glass Rd - The existing traffic signal system shall remain in operation during the construction of the new traffic signal system. The switch over to the new system shall occur during off peak hours or at night with proper temporary traffic control in place.

2. Edgewood Rd NE at 42nd St - The traffic signal system shall remain in operation throughout construction. If the traffic signal system must be taken out of operation, it shall be done during off peak hours or at night with proper temporary traffic control in place.

3. Edgewood Rd NE at North River Blvd - The traffic signal system shall remain in operation throughout construction. If the traffic signal system must be taken out of operation, it shall be done during off peak hours or at night with proper temporary traffic control in place.

GENERAL STAGING COMMENTS AND PROJECT INTENT:
The Contractor shall work in a continuous manner to complete the project. This may require multiple mobilizations to perform work tasks when a portion of the site is available. The Contractor shall follow the construction staging plan as indicated in the contract documents. The Contractor may submit an alternative construction staging plan to be approved by the Engineer.

Contractor to maintain storm water flow throughout the duration of the project. The Staging Plan identifies locations that require temporary pipe connections.

Construction activites may begin in the fall of 2025. However, a majority of the work will take place in the spring/summer of 2026. Work completed in the fall/winter of 2025 may be limited to ensure all roadways and existing sidewalks within the project limits are fully operation over the winter.

A new development in the NW corner of Edgewood Road and 42nd Street is planned to be constructed in 2026/2027. The existing access to Edgewood Road from this property will be reconstructed with this project. This access will be utilized during construction of the development and shall maintain access at all times. It is recommended that the new 3/4 access at this location be completed later on in construction to limit the amount of heavy construction equipment on the new pavement.

The Cedar Rapids Marathon will take place 4/25/2027; the route runs north on Edgewood Rd from Ellis Blvd to Glass Rd, and turns east onto Glass Rd (running in the street). The Edgewood Rd and Glass Rd intersection shall remain open for this event.

No full roadway closures are allowed during construction of this project.

SEQUENCE OF STAGING:
1. The Stage number does not necessarily indicate the order in which they need to be constructed. The order in which they are shown in the plans is one option.

2. Stage 1 shall be completed prior to Stage 3.

3. Stage 2 can be completed at any point and can be constructed concurrently with any other stage.

4. Stages 3, 4, and 5 can be completed in any order. However, only Stages 4 and 5 can be completed concurrently.

5. If the Contractor chooses to construct stages concurrently, traffic control and signage shall be reviewed and adjusted as necessary.

GENERAL STAGING COMMENTS AND PROJECT INTENT:

STAGE 1 - EDGEWOOD ROAD AND NORTH RIVER BOULEVARD INTERSECTION

1. Install traffic control and signing in accordance with the Traffic Control Plan. Traffic control for this stage will require placement of channelizing devices within Iowa DOT right-of-way along the Hwy 100 westbound offramp.

PROJECT NO:	TAP-U-1187(793)--8I-57	DESIGNED BY:	J. MEYER
PROJECT DATE:	9/15/2026	CHECKED BY:	C. CARPER
CAD DATE:	6/15/2026 12:28:02 PM	DRAWN BY:	J. MEYER
CAD FILE:	c:\pw_workdir\pw_ie\cjc\d0630801\0022C005.02_J-Sheets.xlsm		

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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

TRAFFIC CONTROL AND STAGING NOTES

SHEET NO.
J.1
TAP-U-1187(793)--8I-57

STAGING NOTES

2. Complete the following construction activities:
    - Remove existing curb & gutter and curb ramps.
    - Complete grading and subgrade prep; install subbase and construct new curb & gutter and trail.
    - Complete pedestrian signal improvements.
    - Perform finish grading and seed/sod all disturbed areas or temporary seeding as necessary.
    - Install permanent pavement markings and signage.

3. Remove traffic control and open to traffic.

STAGE 2 - TRAIL (fill gap) BETWEEN CROSS POINTE BOULEVARD AND TOWN CENTRE WAY

1. Install traffic control and signing in accordance with the Traffic Control Plan.

2. Complete the following construction activities:
    - Complete grading and subgrade prep; install subbase and construct trail.
    - Perform finish grading and seed/sod all disturbed areas or temporary seeding as necessary.

3. Remove traffic control and open to traffic.

STAGE 3 - TRAIL FROM GLASS ROAD TO NORTH RIVER BOULEVARD, EXCLUDING 42ND STREET INTERSECTION

1. Install traffic control and signing in accordance with the Traffic Control Plan.

2. Complete the following construction activities:
    - Remove existing curb & gutter and pavement adjacent to areas with shoulder.
    - Install new watermain and hydrants.
    - Install new storm sewer.
    - Complete Intermediate Foundation Improvements in preparation for the retaining wall.
    - Construct retaining wall.
    - Complete grading and subgrade prep; install subbase and construct new curb & gutter and trail.
    - Install new traffic signal equipment/poles at intersection of Edgewood Road at Glass Road. Complete installation during Stage 3.
    - Install traffic signal modifications at the Edgewood Road at North River Blvd intersection.
    - Perform finish grading and seed/sod all disturbed areas or temporary seeding as necessary.
    - Install permanent pavement markings and signage.

3. Remove traffic control and open to traffic.

STAGE 4 - EDGEWOOD ROAD AND GLASS ROAD INTERSECTION

STAGE 4A - Southbound Edgewood Road and Median

1. Install traffic control and signing in accordance with the Traffic Control Plan.

2. Complete the following construction activities:
    - Remove pavement for new storm sewer.
    - Install new storm sewer.
    - Complete grading and subgrade prep; install subbase and construct new roadway pavement and trail.
    - Perform finish grading and seed/sod all disturbed areas or temporary seeding as necessary.
    - Install permanent pavement markings.

3. Remove traffic control and open to traffic.

STAGE 4B - Northeast Quadrant

1. Install traffic control and signing in accordance with the Traffic Control Plan.

2. Complete the following construction activities:
    - Remove roadway/trail/sidewalk pavement.
    - Complete grading and subgrade prep; install subbase and construct new curb & gutter and trail.
    - Install new traffic signal equipment/poles in northeast quadrant. Complete installation during Stage 3C.
    - Perform finish grading and seed/sod all disturbed areas or temporary seeding as necessary.

3. Remove traffic control and open to traffic.

STAGE 4C - Southeast Quadrant

1. Install traffic control and signing in accordance with the Traffic Control Plan.

2. Complete the following construction activities:
    - Remove curb & gutter/trail/sidewalk pavement.
    - Complete grading and subgrade prep; install subbase and construct new curb & gutter and trail.
    - Install new traffic signal equipment/poles in southeast quadrant. Complete wiring and finish installation.
    - Perform finish grading and seed/sod all disturbed areas or temporary seeding as necessary.
    - Install permanent pavement markings.

3. Remove traffic control and open to traffic.

STAGE 5 - EDGEWOOD ROAD AND 42ND STREET INTERSECTION

108-26A
08-01-08

STAGING NOTES

STAGE 5A - Southwest Quadrant

1. Install traffic control and signing in accordance with the Traffic Control Plan.

2. Install detour route for closure of the right turn bypass lane. Eastbound traffic on 42nd Street wanting to turn right onto southbound Edgewood Road shall continue east on 42nd Street, turn south onto River Ridge Drive, turn west onto Glass Road, and the detour ends at the intersection of Edgewood Road and Glass Road. Contractor shall cover signs when not in use.

3. Complete the following construction activities:
    - Remove existing curb & gutter, sidewalk, and traffic island.
    - Install traffic signal equipment. Complete installation during Stage 4D.
    - Complete grading and subgrade prep; install subbase and construct new roadway pavement and trail.
    - Perform finish grading and seed/sod all disturbed areas or temporary seeding as necessary.
    - Install permanent pavement markings and signage.

4. Remove traffic control/detour and open to traffic.

STAGE 5B - Northwest Quadrant

1. Install traffic control and signing in accordance with the Traffic Control Plan.

2. Install detour route for closure of the right turn bypass lane. Southbound traffic on Edgewood Road wanting to turn right onto westbound 42nd Street shall turn west onto 42nd Street, turn south onto River Ridge Drive, turn west onto River Center Ct, turn north onto Edgewood Road, and final west onto 42nd Street to end the detour just west of the Edgewood Road and 42nd Street intersection. Contractor shall cover signs when not in use.

3. Complete the following construction activities:
    - Remove existing curb & gutter, sidewalk, and traffic island.
    - Install traffic signal equipment. Complete installation during Stage 4D.
    - Complete grading and subgrade prep; install subbase and construct new roadway pavement and trail.
    - Perform finish grading and seed/sod all disturbed areas or temporary seeding as necessary.
    - Install permanent pavement markings and signage.

4. Remove traffic control/detour and open to traffic.

STAGE 5C - Southeast Quadrant

1. Install traffic control and signing in accordance with the Traffic Control Plan.

2. Install detour route for closure of the right turn bypass lane. Northbound traffic on Edgewood Road wanting to turn right onto eastbound 42nd Street shall turn east onto Glass Road with advanced detour notice, turn north onto River Ridge Drive, and the detour ends at the intersection of River Ridge Drive and 42nd Street. Contractor shall cover signs when not in use.

3. Complete the following construction activities:
    - Remove existing curb & gutter, sidewalk, and traffic island.
    - Install traffic signal equipment. Complete installation during Stage 4D.
    - Complete grading and subgrade prep; install subbase and construct new roadway pavement and sidewalk.
    - Perform finish grading and seed/sod all disturbed areas or temporary seeding as necessary.
    - Install permanent pavement markings and signage.

4. Remove traffic control/detour and open to traffic.

STAGE 5D - Northeast Quadrant

1. Install traffic control and signing in accordance with the Traffic Control Plan.

2. Install temporary aggregate surfacing to maintain right turning traffic during construction of the traffic island.

3. Complete the following construction activities:
    - Remove existing curb & gutter and traffic island.
    - Install traffic signal equipment. Complete wiring and finish installation.
    - Complete grading and subgrade prep; install subbase and construct new roadway pavement.
    - Perform finish grading, restore granular shoulder, and seed/sod all disturbed areas or temporary seeding as necessary.
    - Install permanent pavement markings and signage.

4. Remove traffic control and open to traffic.

PROJECT NO:	TAP-U-1187(793)--8I-57	DESIGNED BY:	J. MEYER
PROJECT DATE:	9/15/2026	CHECKED BY:	C. CARPER
CAD DATE:	6/15/2026 12:28:02 PM	DRAWN BY:	J. MEYER
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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

TRAFFIC CONTROL AND STAGING NOTES

SHEET NO.
J.2
TAP-U-1187(793)--8I-57

CROSS SECTION VIEW COLOR LEGEND OF TRAFFIC CONTROL AND STAGING SHEETS

SHADING	Design Color No.	
Green, Light	(225)	Existing Pavement Shading
Gray, Light	(48)	Previously Constructed Pavement Shading
Gray, Med	(80)	Previously Constructed Granular Surface Shading
Blue, Light	(230)	Proposed Pavement Shading
Lavender	(9)	Temporary Pavement Shading
Brown, Med	(237)	Future Proposed Pavement Shading

CROSS SECTION VIEW PATTERN AND SYMBOL LEGEND OF TRAFFIC CONTROL AND STAGING SHEETS

	Pavement Removal		Proposed Granular Shoulder
	Proposed Granular Subbase		Temporary Shoulder
	Proposed Special Backfill		Existing Shoulder Strengthening
	Temporary Barrier Rail		Permanent Barrier Rail
			Channelizing Device

PLAN VIEW COLOR LEGEND OF TRAFFIC CONTROL AND STAGING SHEETS

LINEWORK	Design Color No.	
Green	(2)	Existing Topographic Features and Labels
Magenta	(5)	Pavement Marking Call Outs
Blue	(1)	Proposed Alignment, Stationing, Tic Marks, and Alignment Annotation
Yellow	(4)	Pavement Markings, Yellow
Off White	(254)	Pavement Markings, White
Gray, Med	(64)	Temporary barrier rail

SHADING	Design Color No.	
Green, Light	(225)	Existing Pavement Shading
Gray, Light	(48)	Previously Constructed Pavement Shading
Gray, Med	(80)	Proposed Granular Surface Shading
Gray, Med	(80)	Previously Constructed Granular Surface Shading
Blue, Light	(230)	Proposed Pavement Shading
Lavender	(9)	Proposed Temporary Pavement Shading
Violet	(15)	Previously Constructed Temporary Pavement Shading
Brown, Light	(236)	Proposed Grading Limits Shading
Pink, Dark	(13)	Proposed MSE or CIP Wall Shading
Red	(3)	Proposed Bridge Shading and Sign Trusses
Black w/Gray, Light Fill	(0,48)	Previously Constructed Structure

PLAN VIEW PATTERN AND SYMBOL LEGEND OF TRAFFIC CONTROL AND STAGING SHEETS

	Channelizing Device		Crash Cushion (Temp or Perm)
	Drum		Traffic Signal
	Temporary Lane Separator		Flagger
	Tubular Marker		Temporary Floodlighting
	Channelizer Marker		Arrow Board
	Concrete Barrier Marker		Traffic Sign
	Delineator		Type III Barricade
	Temporary Barrier Rail		Type A Warning Light
	Pavement Removal		Direction of Traffic
	Sand Barrel Layout		Safety Closure
	Temporary Lane Separator System		

NOTE: Device spacing according to Standard Road Plans unless specifically dimensioned.

TRAFFIC CONTROL AND STAGING

(COVERS SHEET SERIES J)

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CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: J. MEYER CHECKED BY: C. CARPER DRAWN BY: J. MEYER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 12:44:58 PM
CAD FILE: c:\pw_workdir\pw_ie\cjc\d0701873\0022C005.02_J03_SHT.dgn

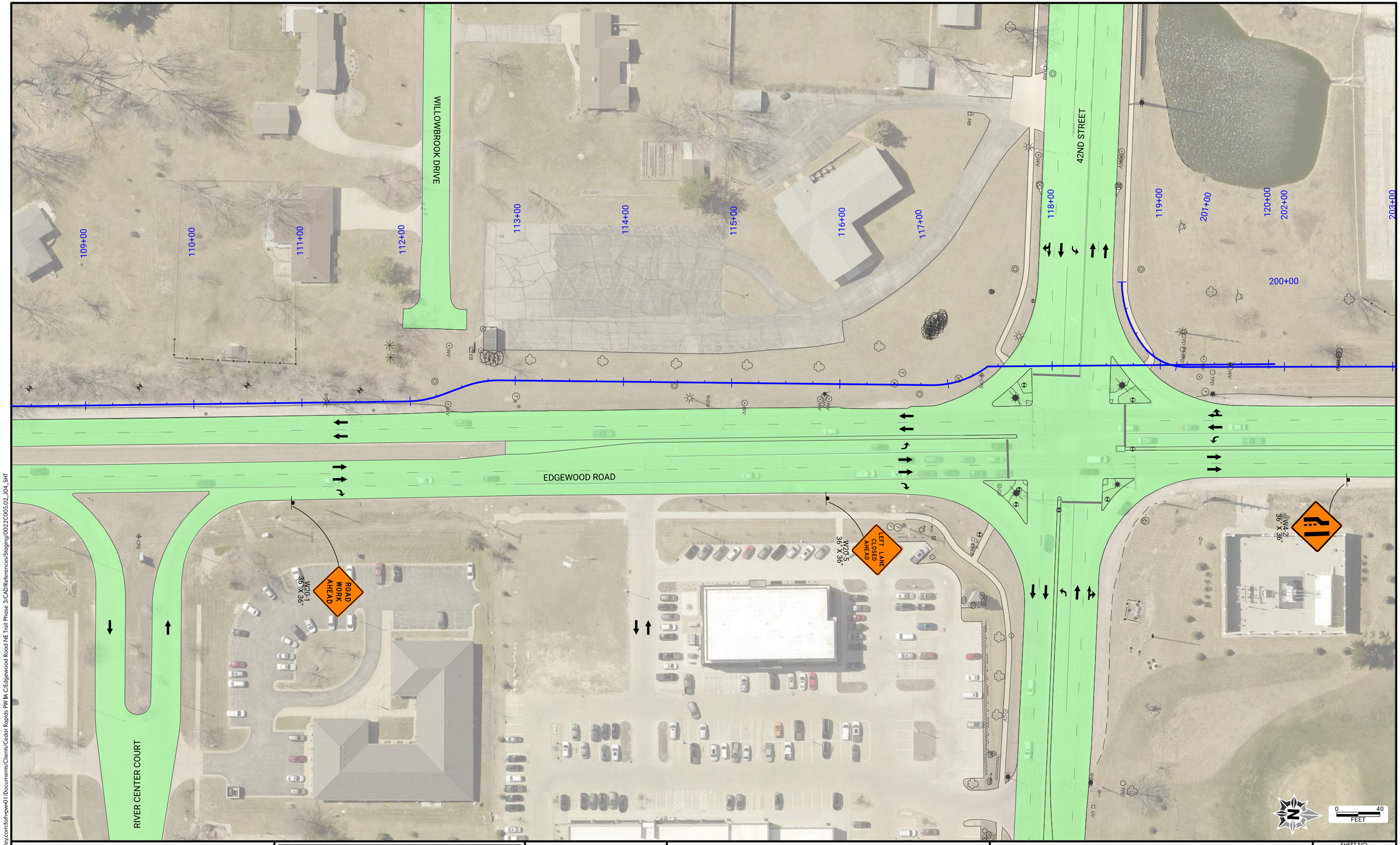
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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

TRAFFIC CONTROL LEGEND AND SYMBOLS

SHEET NO.
J.3
TAP-U-1187(793)--8I-57



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DESIGNED BY:	J. MEYER	CHECKED BY:	C. CARPER
DRAWN BY:	J. MEYER		
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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

STAGE 1
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.4
TAP-U-1187(793)--8I-57

203+00
204+00
205+00
206+00
207+00
208+00
209+00
210+00
211+00
212+00
213+00
214+00
215+00

EDGEWOOD ROAD

END ROAD WORK
G20-2
36" X 18"

40' DEVICE SPACING

R3-2
24" X 24"

CPS

'SPECIAL'
24" X 30"
TURN LANE

N

0 40
FEET

CLIENT PROJECT NO: TAP-U-1187(793)--81-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: J. MEYER CHECKED BY: C. CARPER DRAWN BY: J. MEYER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 12:49:41 PM
CAD FILE: c:\pw_workdir\pw_ie\cjc\d0701873\0022C005.02_J04_SHT.dgn

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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE

CEDAR RAPIDS, IA

STAGE 1
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.5
TAP-U-1187(793)--81-57

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NORTH RIVER BLVD

HIGHWAY 100

EDGEWOOD ROAD

216+00

217+00

218+00

219+00

ROAD WORK AHEAD
W20-1
36" X 36"

R3-5
30" X 36"

END ROAD WORK
G20-2
36" X 18"

ONLY
ONLY
R3-8 SPECIAL
30" X 30"

END ROAD WORK
G20-2
36" X 18"

ROAD WORK AHEAD
W20-1
36" X 36"

W4-2
36" X 36"

N

0 40
FEET

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CLIENT PROJECT NO:	TAP-U-1187(793)--81-57
FOTH PROJECT NO:	0022C005.02
DESIGNED BY:	J. MEYER
CHECKED BY:	C. CARPER
DRAWN BY:	J. MEYER
LETTING DATE:	9/15/2026
CAD DATE:	6/15/2026 12:49:54 PM
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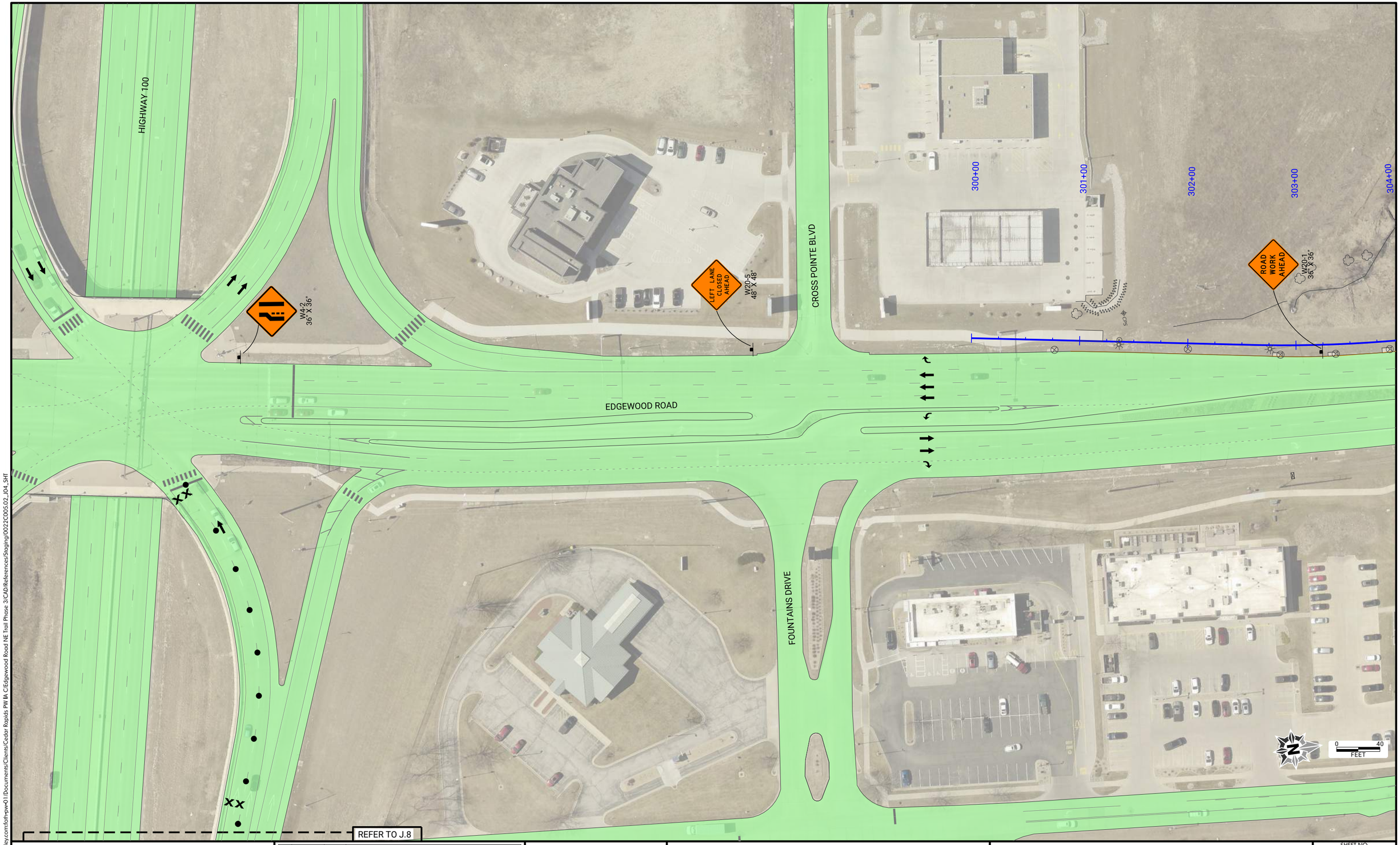
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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE

CEDAR RAPIDS, IA

STAGE 1
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.6
TAP-U-1187(793)--81-57



CLIENT PROJECT NO: TAP-U-1187(793)--81-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: J. MEYER CHECKED BY: C. CARPER DRAWN BY: J. MEYER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 12:50:05 PM
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NO	DATE	BY	REVISION DESCRIPTION

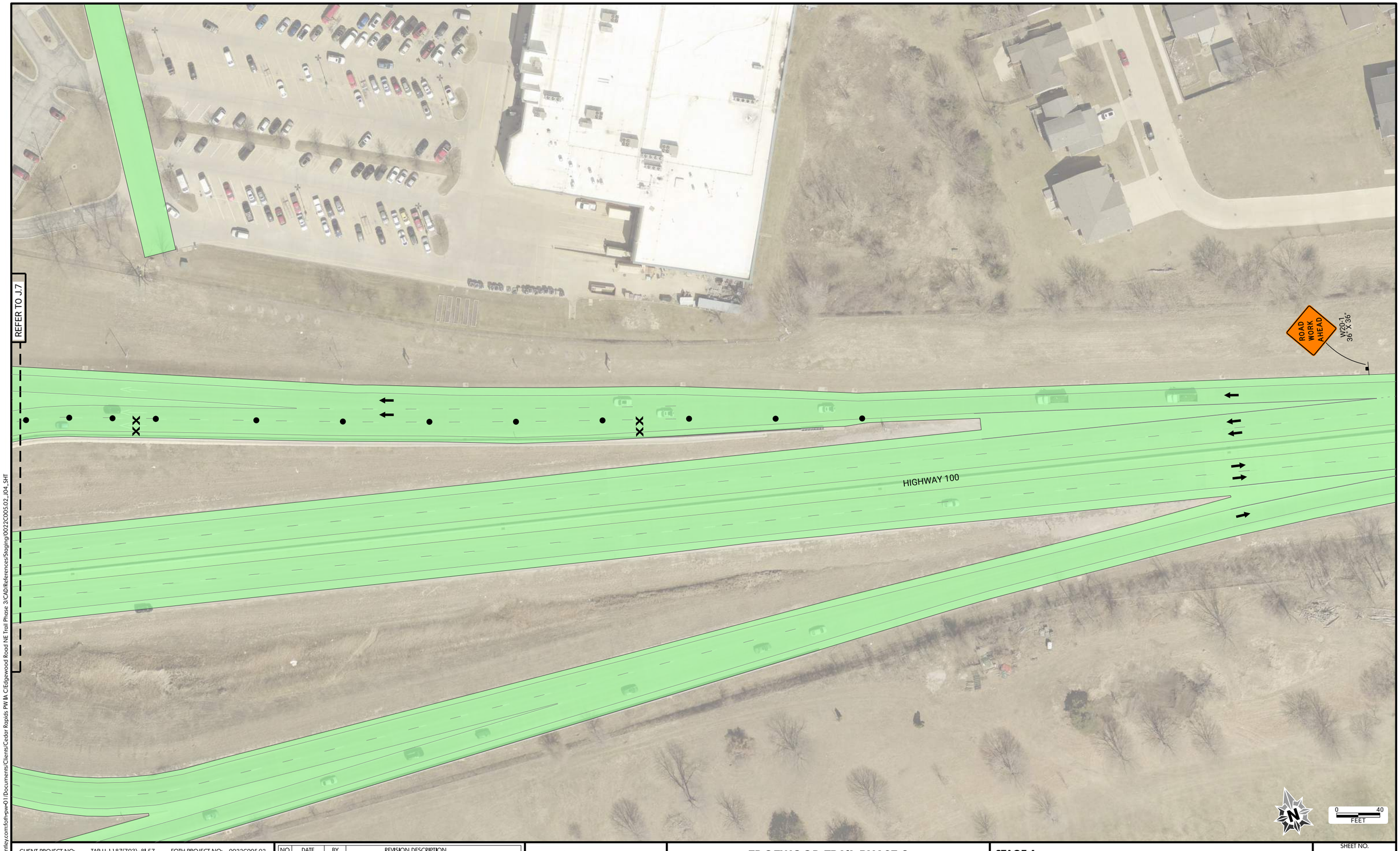
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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

STAGE 1
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.7
TAP-U-1187(793)--81-57

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CLIENT PROJECT NO: TAP-U-1187(793)--81-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: J. MEYER CHECKED BY: C. CARPER DRAWN BY: J. MEYER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 12:50:18 PM
CAD FILE: c:\pw_workdir\pw_ie\cjcld0701873\0022C005.02_J04_SHT.dgn

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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

STAGE 1
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.8
TAP-U-1187(793)--81-57

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CLIENT PROJECT NO:	TAP-U-1187(793)--8I-57	FOTH PROJECT NO:	0022C005.02
DESIGNED BY:	J. MEYER	CHECKED BY:	C. CARPER
DRAWN BY:	J. MEYER		
LETTING DATE:	9/15/2026	CAD DATE:	6/16/2026 5:53:00 AM
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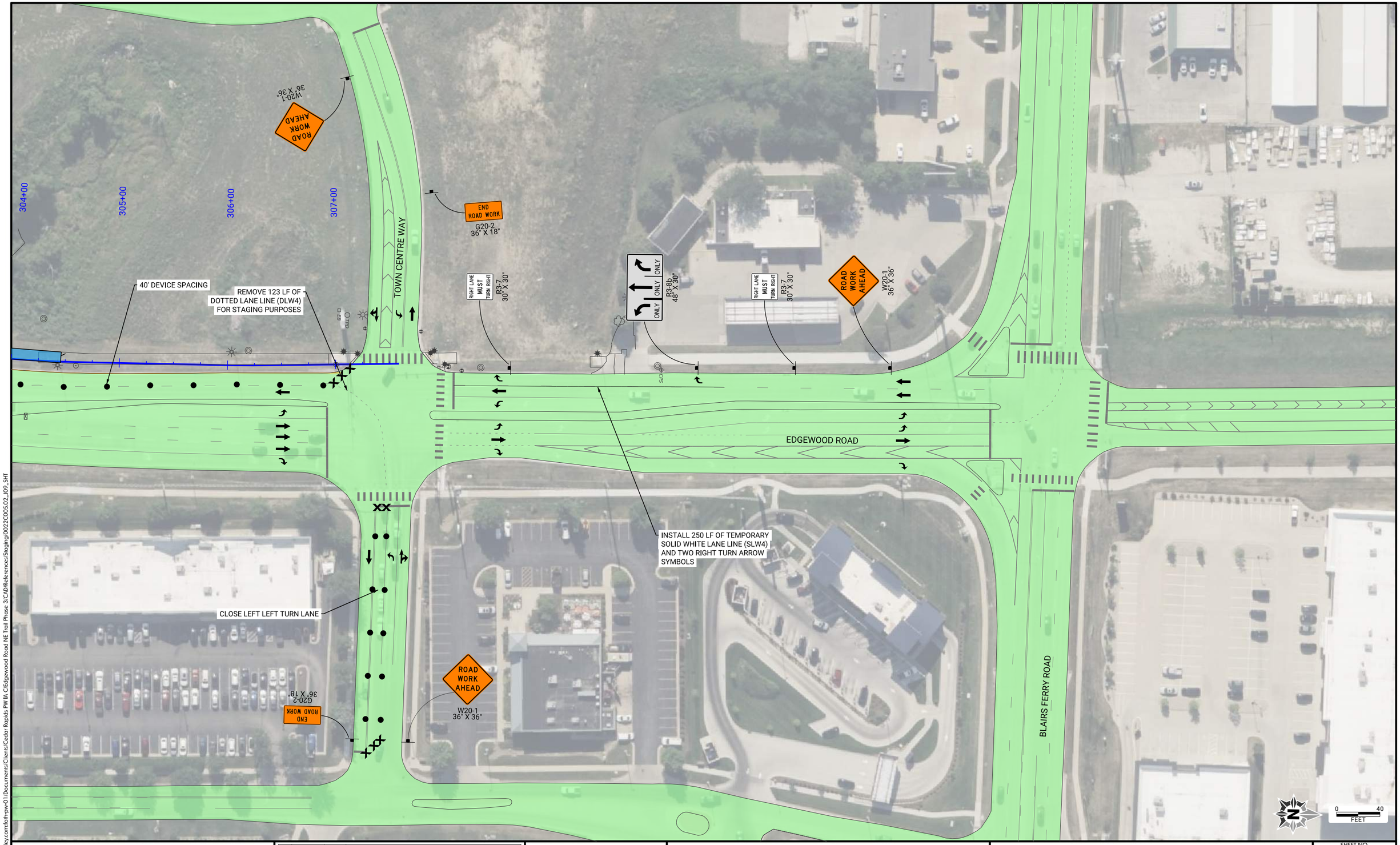
EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE

CEDAR RAPIDS, IA

STAGE 2
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.9
TAP-U-1187(793)--8I-57

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CLIENT PROJECT NO:	TAP-U-1187(793)--8I-57	FOTH PROJECT NO:	0022C005.02
DESIGNED BY:	J. MEYER	CHECKED BY:	C. CARPER
DRAWN BY:	J. MEYER		
LETTING DATE:	9/15/2026	CAD DATE:	6/16/2026 5:53:22 AM
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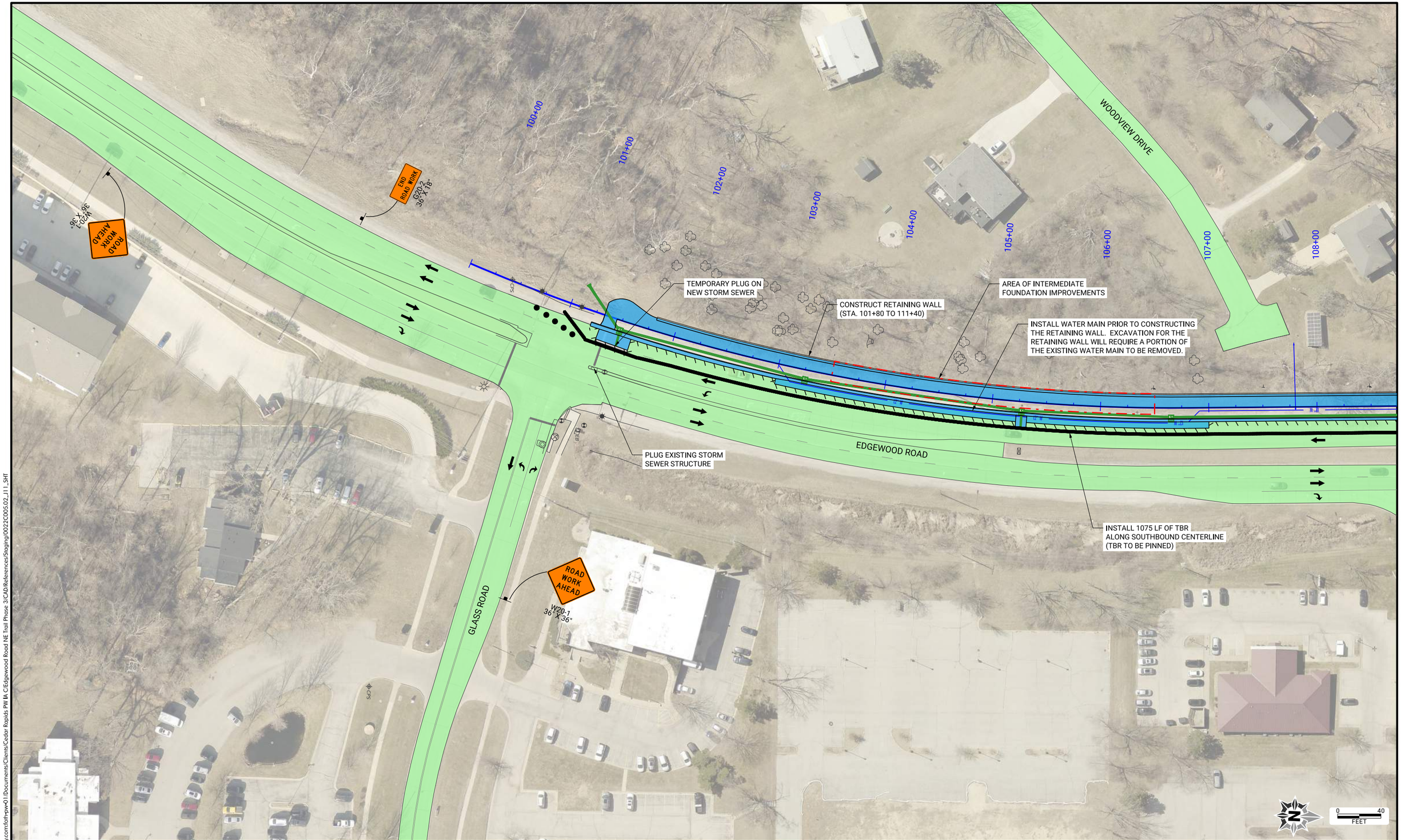
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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

STAGE 2
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.10
TAP-U-1187(793)--8I-57

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CLIENT PROJECT NO:	TAP-U-1187(793)--8I-57	FOTH PROJECT NO:	0022C005.02
DESIGNED BY:	J. MEYER	CHECKED BY:	C. CARPER
DRAWN BY:	J. MEYER		
LETTING DATE:	9/15/2026	CAD DATE:	6/16/2026 6:00:15 AM
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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE

CEDAR RAPIDS, IA

STAGE 3
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.11

TAP-U-1187(793)--8I-57

WILLOWBROOK DRIVE

42ND STREET

EDGEWOOD ROAD

RIVER CENTER COURT

40' DEVICE SPACING

109+00 110+00 111+00 112+00 113+00 114+00 115+00 116+00 117+00 118+00 119+00 120+00 200+00 201+00 202+00 203+00

W20-1
36" X 36"
ROAD WORK AHEAD

W20-1
36" X 36"
ROAD WORK AHEAD

G20-2
36" X 18"
END ROAD WORK

G20-2
36" X 18"
END ROAD WORK

ROAD WORK AHEAD
W20-1
36" X 36"

0 40 FEET

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CLIENT PROJECT NO:	TAP-U-1187(793)--8I-57	FOTH PROJECT NO:	0022C005.02
DESIGNED BY:	J. MEYER	CHECKED BY:	C. CARPER
DRAWN BY:	J. MEYER		
LETTING DATE:	9/15/2026	CAD DATE:	6/16/2026 6:00:32 AM
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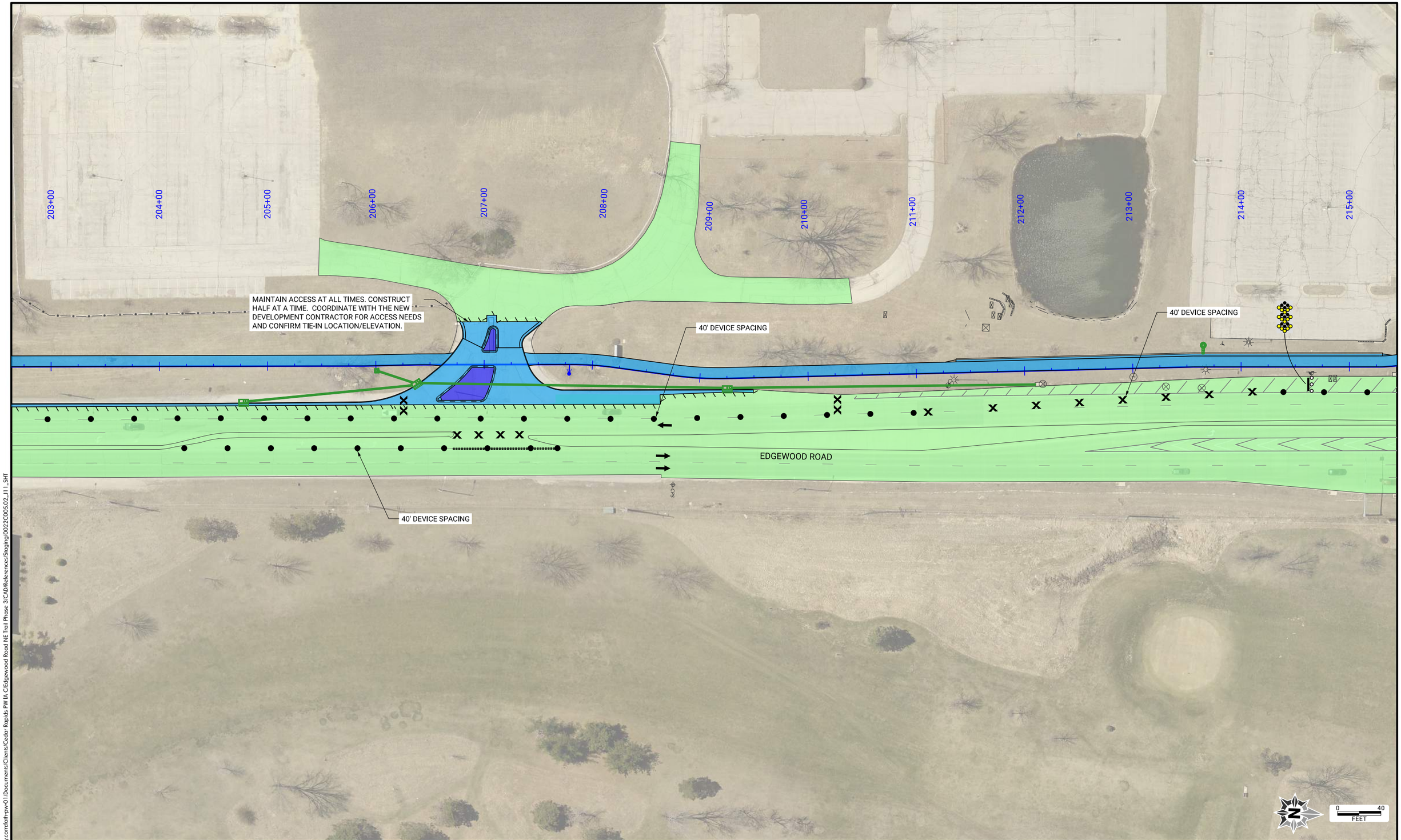
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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

STAGE 3
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.12
TAP-U-1187(793)--8I-57



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CLIENT PROJECT NO:	TAP-U-1187(793)--8I-57	FOTH PROJECT NO:	0022C005.02
DESIGNED BY:	J. MEYER	CHECKED BY: C. CARPER	DRAWN BY: J. MEYER
LETTING DATE:	9/15/2026	CAD DATE: 6/16/2026	6:00:46 AM
CAD FILE:	c:\pw_workdir\pw_ie\cjc\d0701873\0022C005.02_J11_SHT.dgn		

NO	DATE	BY	REVISION DESCRIPTION

Foth

EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

STAGE 3
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.13
TAP-U-1187(793)--8I-57

NORTH RIVER BLVD

EDGEWOOD ROAD

HIGHWAY 100

216+00

217+00

218+00

219+00

ROAD WORK AHEAD
W20-1
36" X 36"

END ROAD WORK
G20-2
36" X 18"

R3-5
30" X 36"

20' DEVICE SPACING AROUND TURN

20' DEVICE SPACING AROUND TURN

MERGE
W4-2M
36" X 36"

40' DEVICE SPACING

ONLY
R3-8 SPECIAL
30" X 30"

W4-2
36" X 36"

INSTALL 80 LF OF TEMPORARY BROKEN LANE LINE (DLW4)

REMOVE 80 LF OF CHANNELIZING LINE (CHW8) FOR STAGING PURPOSES

REMOVE 218 LF OF CHANNELIZING LINE (CHW8) FOR STAGING PURPOSES

R1-2
24" X 24"

INSTALL 138 LF OF TEMPORARY CHANNELIZING LINE (CHW8)

W4-1
36" X 36"

W4-1
36" X 36"

RIGHT LANE CLOSED AHEAD
W20-5
36" X 36"

ROAD WORK AHEAD
W20-1
36" X 36"

ROAD WORK AHEAD
W20-1
36" X 36"

0 40
FEET

CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: J. MEYER CHECKED BY: C. CARPER DRAWN BY: J. MEYER
LETTING DATE: 9/15/2026 CAD DATE: 6/16/2026 6:00:59 AM
CAD FILE: c:\pw_workdir\pw_ie\cjcld0701873\0022C005.02_J11_SHT.dgn

NO	DATE	BY	REVISION DESCRIPTION

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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE

CEDAR RAPIDS, IA

STAGE 3
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.14

TAP-U-1187(793)--8I-57

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CLIENT PROJECT NO:	TAP-U-1187(793)--8I-57	FOTH PROJECT NO:	0022C005.02
DESIGNED BY:	J. MEYER	CHECKED BY:	C. CARPER
DRAWN BY:	J. MEYER		
LETTING DATE:	9/15/2026	CAD DATE:	6/16/2026 6:06:30 AM
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NO	DATE	BY	REVISION DESCRIPTION

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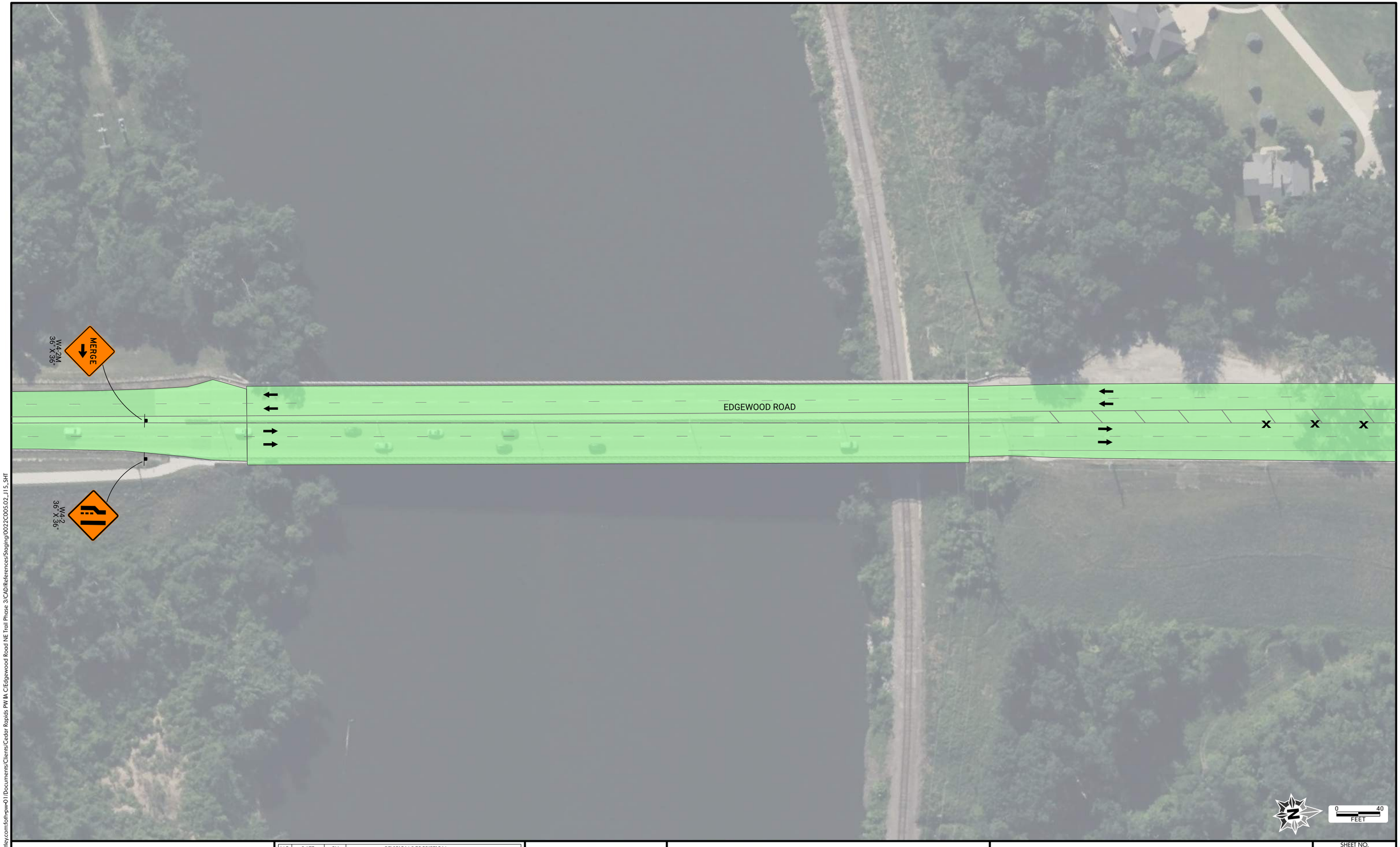
EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE

CEDAR RAPIDS, IA

STAGE 4A
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.15
TAP-U-1187(793)--8I-57

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DESIGNED BY:	J. MEYER	CHECKED BY:	C. CARPER
DRAWN BY:	J. MEYER		
LETTING DATE:	9/15/2026	CAD DATE:	6/16/2026 6:06:52 AM
CAD FILE:	c:\pw_workdir\pw_ie\cjc\d0701873\0022C005.02_J15_SHT.dgn		

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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

STAGE 4A
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.16
TAP-U-1187(793)--81-57

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DESIGNED BY:	J. MEYER	CHECKED BY:	C. CARPER
DRAWN BY:	J. MEYER		
LETTING DATE:	9/15/2026	CAD DATE:	6/16/2026 6:07:11 AM
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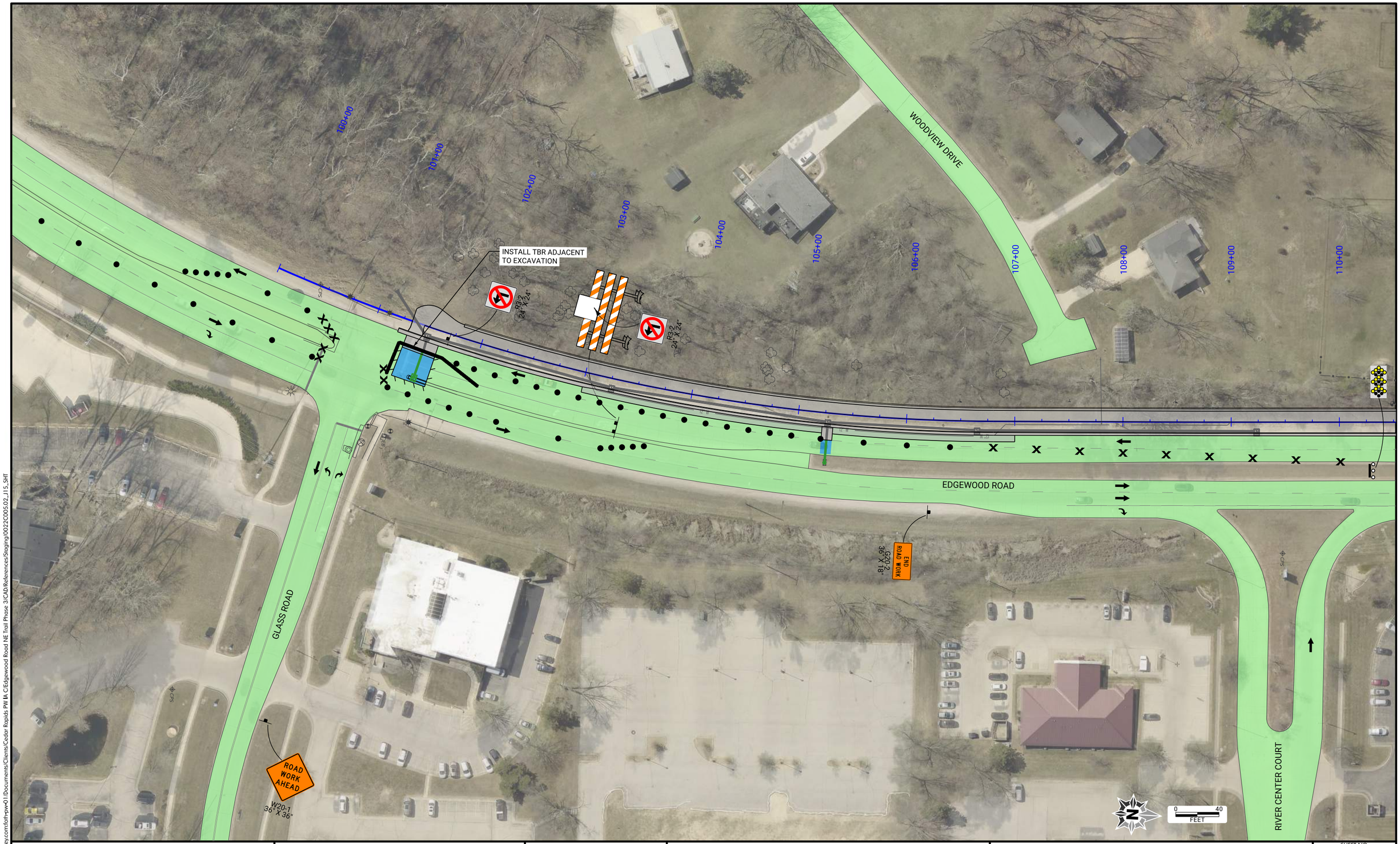
EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

STAGE 4A
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.17
TAP-U-1187(793)--8I-57

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CLIENT PROJECT NO:	TAP-U-1187(793)--8I-57	FOTH PROJECT NO:	0022C005.02
DESIGNED BY:	J. MEYER	CHECKED BY:	C. CARPER
DRAWN BY:	J. MEYER		
LETTING DATE:	9/15/2026	CAD DATE:	6/16/2026 6:07:27 AM
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NO	DATE	BY	REVISION DESCRIPTION

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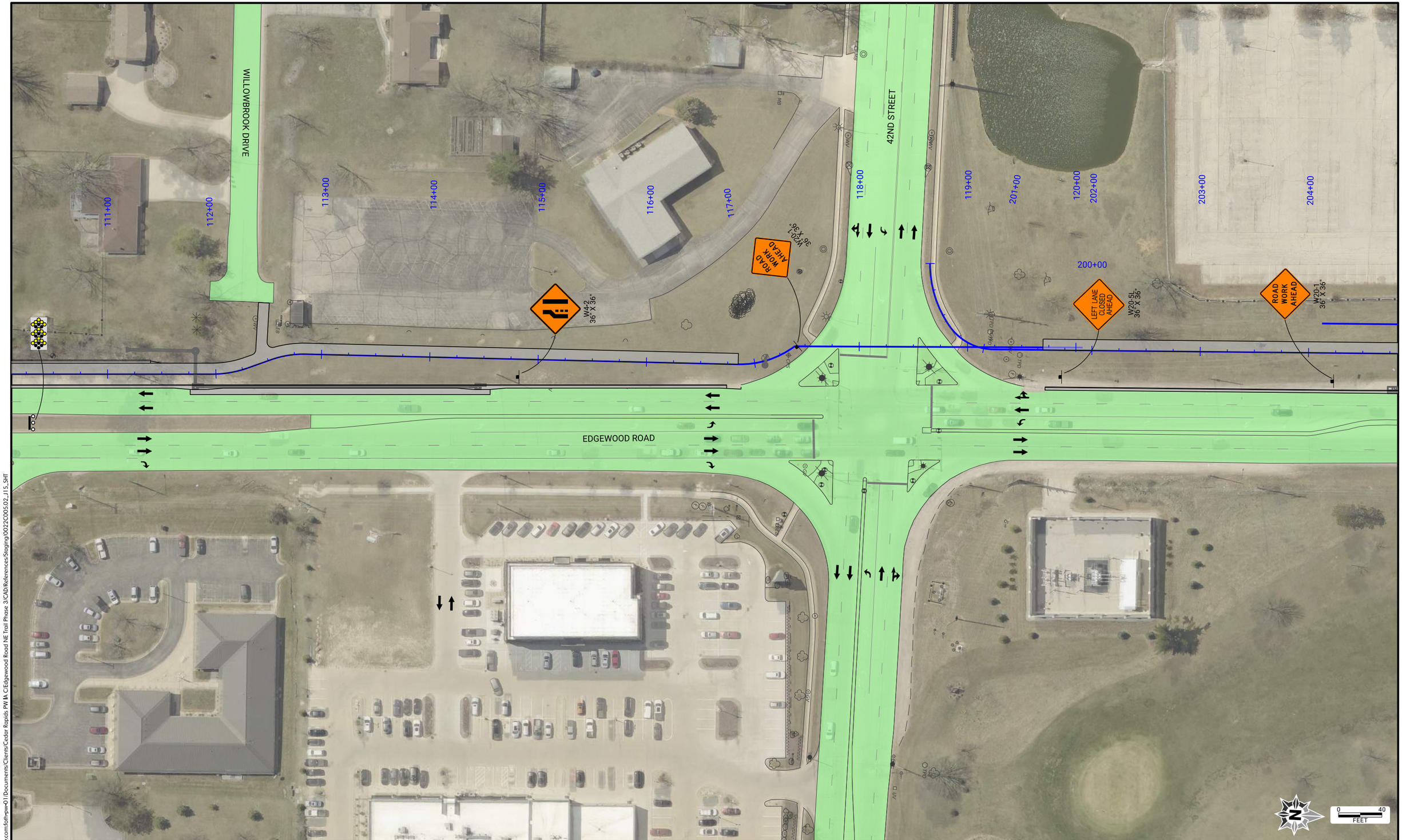
EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE

CEDAR RAPIDS, IA

STAGE 4A
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.18
TAP-U-1187(793)--8I-57

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DESIGNED BY:	J. MEYER	CHECKED BY:	C. CARPER
DRAWN BY:	J. MEYER		
LETTING DATE:	9/15/2026	CAD DATE:	6/16/2026 6:07:42 AM
CAD FILE:	c:\pw_workdir\pw_ie\cjc\d0701873\0022C005.02_J15_SHT.dgn		

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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

STAGE 4A
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.19
TAP-U-1187(793)--8I-57

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DESIGNED BY: J. MEYER CHECKED BY: C. CARPER DRAWN BY: J. MEYER
LETTING DATE: 9/15/2026 CAD DATE: 6/16/2026 6:13:09 AM
CAD FILE: c:\pw_workdir\pw_ie\cjc\d0701873\0022C005.02_J20_SHT.dgn

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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE

CEDAR RAPIDS, IA

STAGE 4B
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.20
TAP-U-1187(793)--8I-57

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DESIGNED BY:	J. MEYER	CHECKED BY:	C. CARPER
DRAWN BY:	J. MEYER		
LETTING DATE:	9/15/2026	CAD DATE:	6/16/2026 6:13:29 AM
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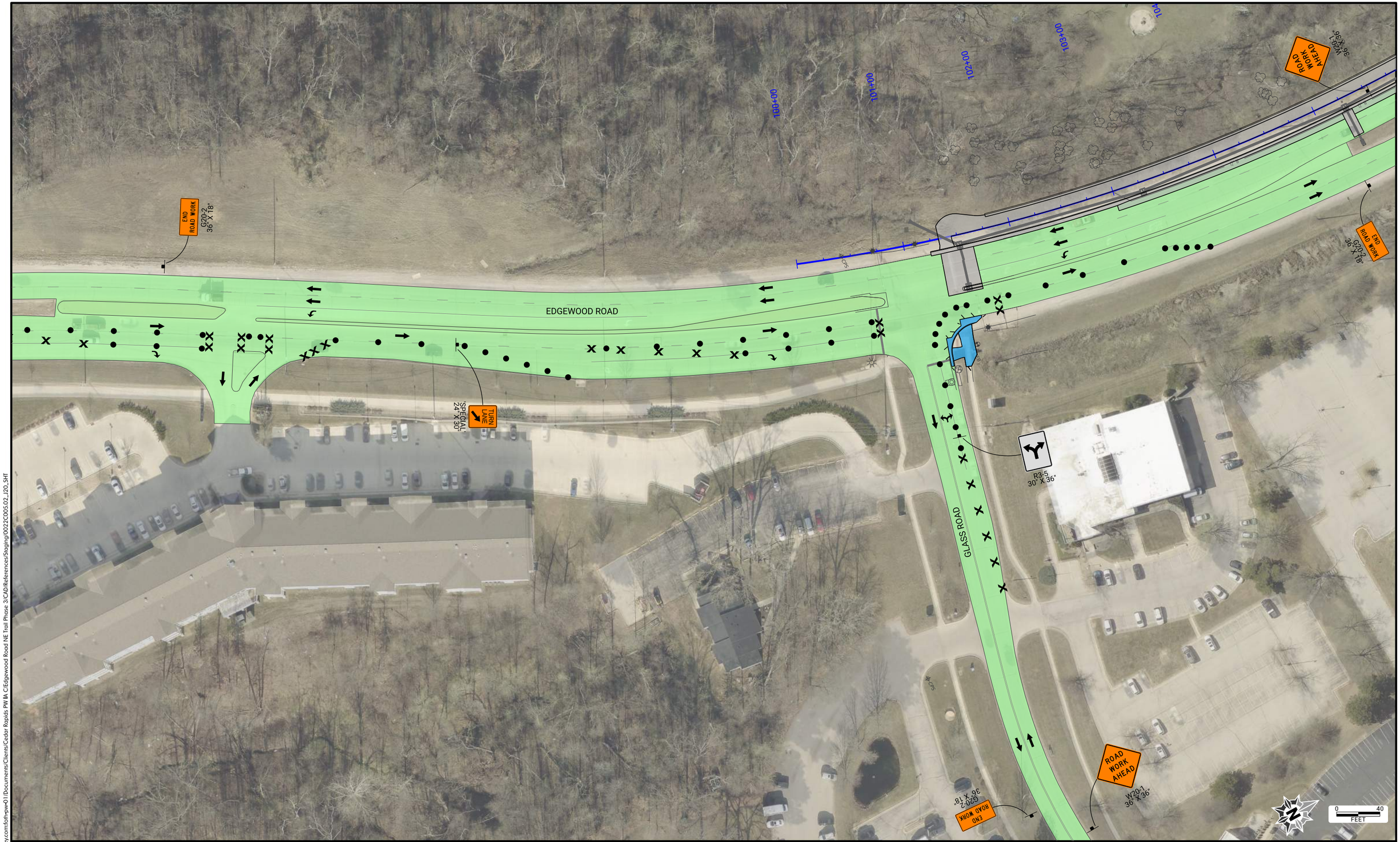
EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

STAGE 4B
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.21
TAP-U-1187(793)--8I-57

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DESIGNED BY:	J. MEYER	CHECKED BY: C. CARPER	DRAWN BY: J. MEYER
LETTING DATE:	9/15/2026	CAD DATE: 6/16/2026	6:13:45 AM
CAD FILE:	c:\pw_workdir\pw_ie\cjc\d0701873\0022C005.02_J20_SHT.dgn		

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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

STAGE 4B
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.22
TAP-U-1187(793)--8I-57

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DESIGNED BY: J. MEYER CHECKED BY: C. CARPER DRAWN BY: J. MEYER
LETTING DATE: 9/15/2026 CAD DATE: 6/16/2026 6:21:19 AM
CAD FILE: c:\pw_workdir\pw_ie\cjc\d0701873\0022C005.02_J23_SHT.dgn

NO	DATE	BY	REVISION DESCRIPTION

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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE

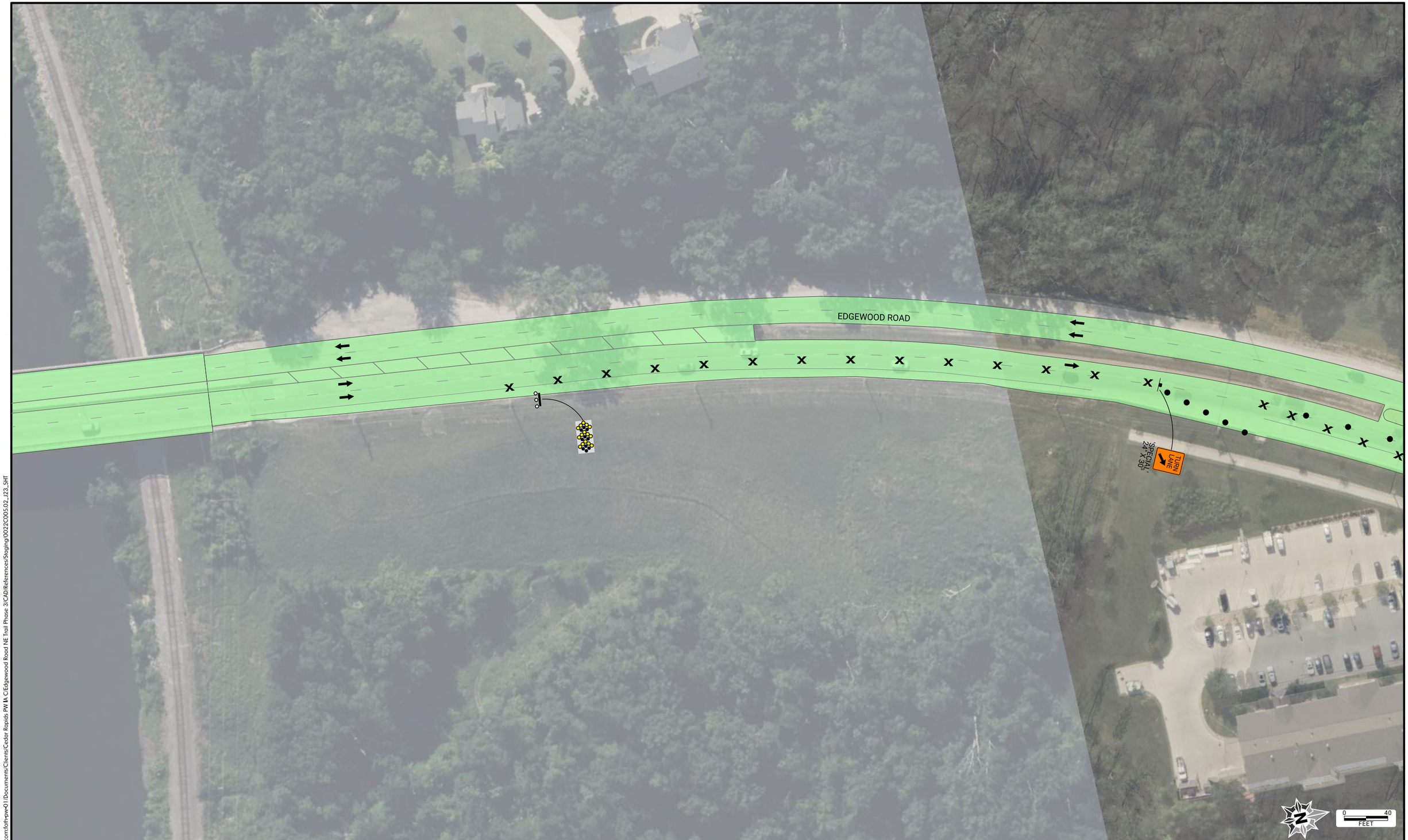
CEDAR RAPIDS, IA

STAGE 4C
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.23
TAP-U-1187(793)--8I-57

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DESIGNED BY:	J. MEYER	CHECKED BY: C. CARPER	DRAWN BY: J. MEYER
LETTING DATE:	9/15/2026	CAD DATE: 6/16/2026	6:21:38 AM
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NO	DATE	BY	REVISION DESCRIPTION

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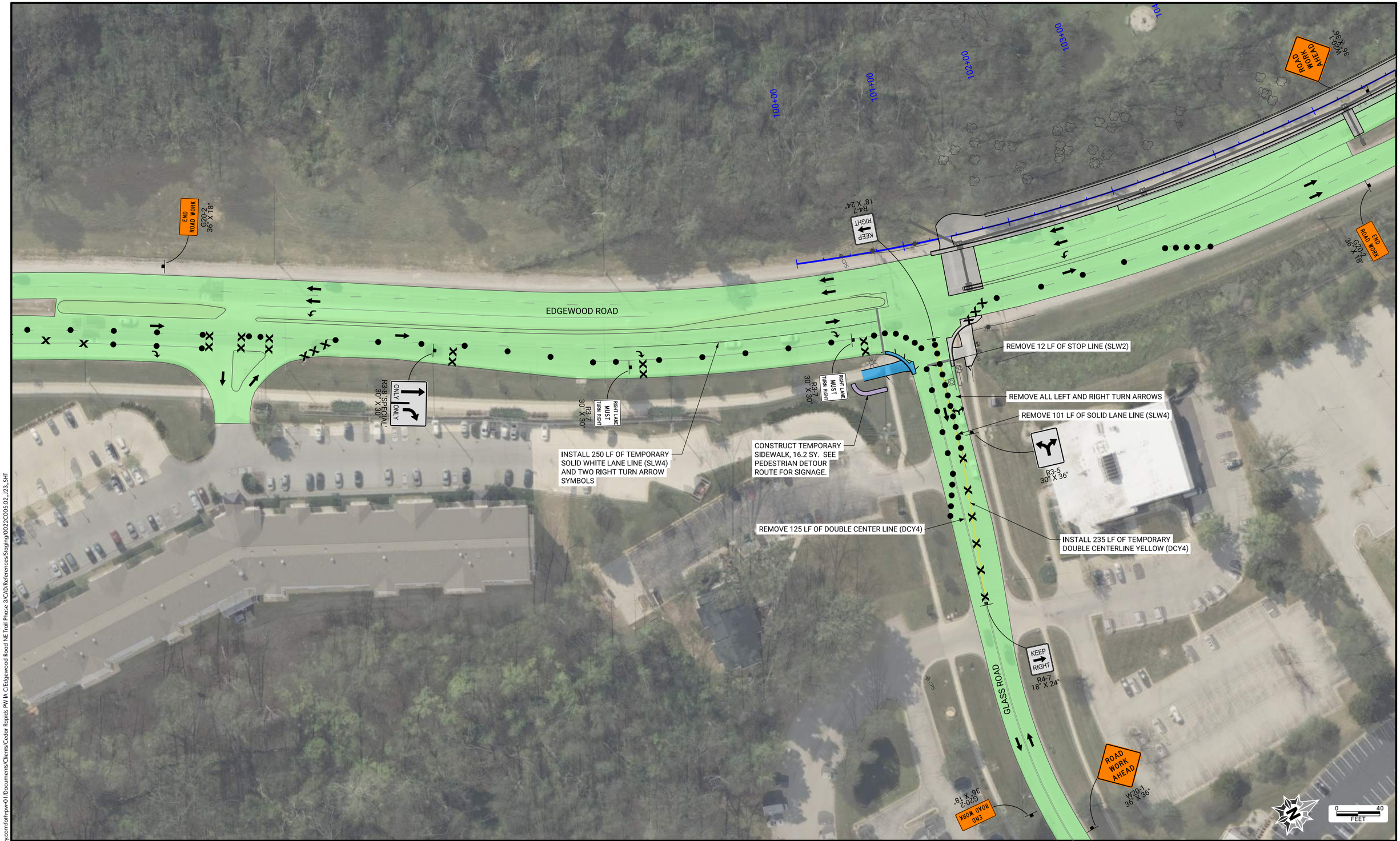
EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

STAGE 4C
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.24
TAP-U-1187(793)--8I-57

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CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: J. MEYER CHECKED BY: C. CARPER DRAWN BY: J. MEYER
LETTING DATE: 9/15/2026 CAD DATE: 6/16/2026 6:21:51 AM
CAD FILE: c:\pw_workdir\pw_ie\cjc\d0701873\0022C005.02_J23_SHT.dgn

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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE

CEDAR RAPIDS, IA

STAGE 4C
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.25
TAP-U-1187(793)--8I-57

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REFER TO J.23

42ND STREET

114+00 115+00 116+00 117+00 118+00 119+00 201+00 120+00 202+00 203+00 204+00 205+00 206+00 207+00

200+00

R3-1 24" X 24"

NO RIGHT TURN SIGNS SHALL BE INSTALLED DURING CLOSURE OF THE RIGHT TURN BYPASS LANE AND REMOVED WHEN OPEN.

END ROAD WORK G20-2 36" X 18"

TURN LANE SPECIAL 24" X 30"

20' DEVICE SPACING

40' DEVICE SPACING

REFER TO J.27

EDGEWOOD ROAD

ROAD WORK AHEAD W20-1 36" X 36"

WORK IN THIS AREA THAT REQUIRES THE CLOSURE OF THE RIGHT TURN BYPASS LANE SHALL BE COMPLETED AS NIGHT WORK BETWEEN 9:00 PM AND 6:00 AM. THE RIGHT TURN BYPASS LANE SHALL REMAIN OPEN AT ALL TIMES OUTSIDE OF THIS SPECIFIC NIGHT WORK WINDOW. ANY COSTS INCURRED BY NIGHT WORK ARE INCIDENTAL TO THE PROJECT COSTS.

THE INTENT IS TO CONSTRUCT THE SPLITTER ISLAND AND THE OUTSIDE CURB AND GUTTER SEPARATELY. CONSTRUCTING BOTH CONCURRENTLY WOULD NOT ALLOW ADEQUATE SPACE BETWEEN THE SAWCUTS TO MAINTAIN TRAFFIC WITH THE PLACMENT OF TUBULAR MARKERS ON EITHER SIDE.

A DETOUR ROUTE SHALL BE IN PLACE DURING CLOSURE OF THE RIGHT TURN BYPASS. DETOUR SIGNAGE SHALL BE LAID DOWN OR COVERED WHEN THE DETOUR ROUTE IS NOT IN USE. MODIFICATIONS OF THE TRAFFIC CONTROL DEVICES TO OPEN AND CLOSE THE RIGHT TURN BYPASS LANE ARE INCIDENTAL TO TRAFFIC CONTROL.

END ROAD WORK G20-2 36" X 18"

ROAD WORK AHEAD W20-1 36" X 36"

END ROAD WORK G20-2 36" X 18"

0 40 FEET

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CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: J. MEYER CHECKED BY: C. CARPER DRAWN BY: J. MEYER
LETTING DATE: 9/15/2026 CAD DATE: 6/16/2026 6:25:32 AM
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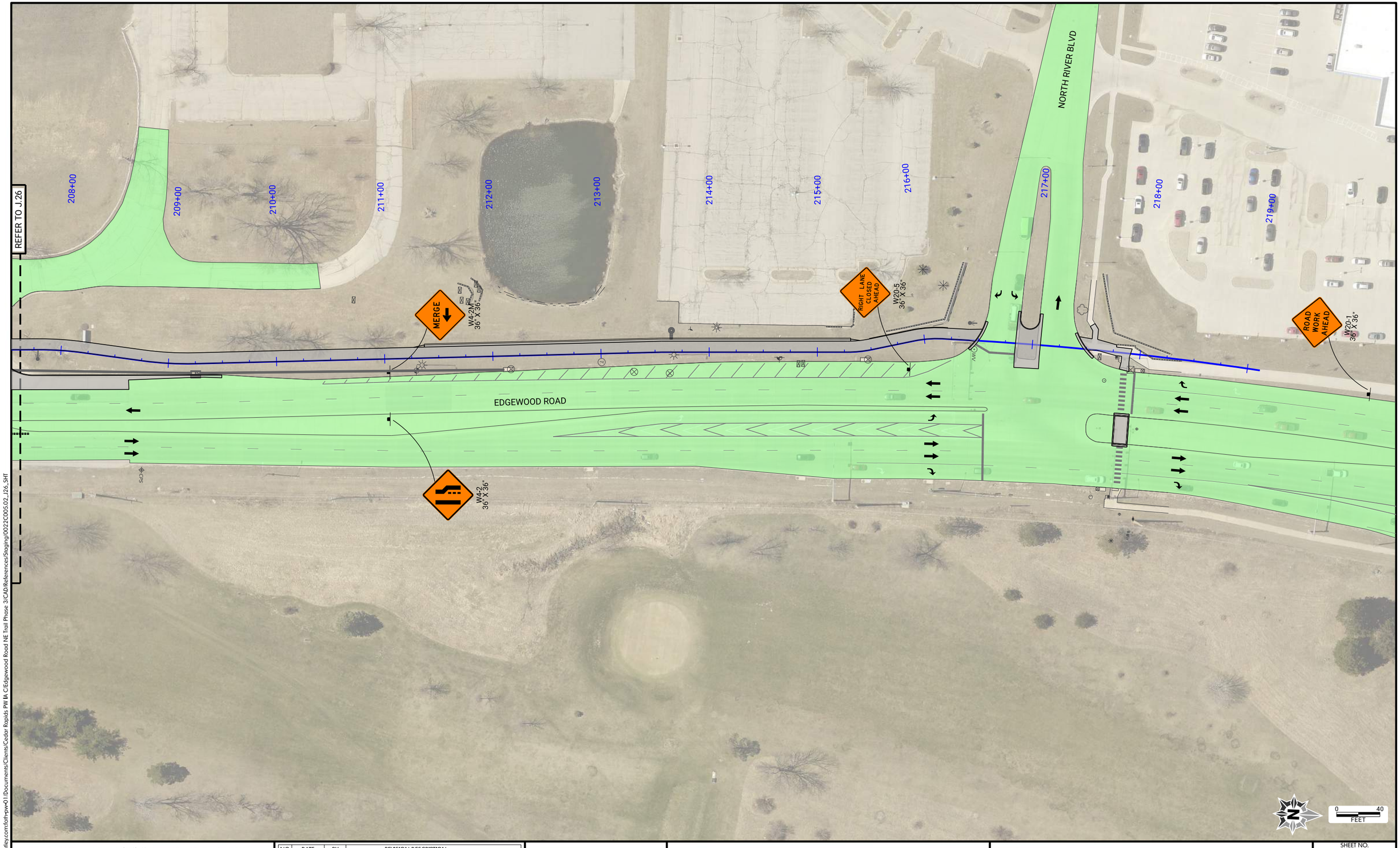
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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

STAGE 5A
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.26
TAP-U-1187(793)--8I-57



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CLIENT PROJECT NO:	TAP-U-1187(793)--81-57	FOTH PROJECT NO:	0022C005.02
DESIGNED BY:	J. MEYER	CHECKED BY:	C. CARPER
DRAWN BY:	J. MEYER		
LETTING DATE:	9/15/2026	CAD DATE:	6/16/2026 6:25:45 AM
CAD FILE:	c:\pw_workdir\pw_ie\cjc\d0701873\0022C005.02_J26_SHT.dgn		

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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE

CEDAR RAPIDS, IA

STAGE 5A
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.27

TAP-U-1187(793)--81-57

REFER TO J.26

20' DEVICE SPACING

203+00
202+00
120+00
201+00
119+00
200+00
118+00
117+00
116+00
115+00

SPECIAL
24" X 30"
TURN LANE

END ROAD WORK
G20-2
36" X 18"

ROAD WORK AHEAD
W20-1
36" X 36"

42ND STREET

GEORGIA AVENUE

EDGEWOOD ROAD

R3-1
24" X 24"

NO RIGHT TURN SIGNS SHALL BE INSTALLED DURING CLOSURE OF THE RIGHT TURN BYPASS LANE AND REMOVED WHEN OPEN.

WORK IN THIS AREA THAT REQUIRES THE CLOSURE OF THE RIGHT TURN BYPASS LANE SHALL BE COMPLETED AS NIGHT WORK BETWEEN 9:00 PM AND 6:00 AM. THE RIGHT TURN BYPASS LANE SHALL REMAIN OPEN AT ALL TIMES OUTSIDE OF THIS SPECIFIC NIGHT WORK WINDOW. ANY COSTS INCURRED BY NIGHT WORK ARE INCIDENTAL TO THE PROJECT COSTS.

THE INTENT IS TO CONSTRUCT THE SPLITTER ISLAND AND THE OUTSIDE CURB AND GUTTER SEPARATELY. CONSTRUCTING BOTH CONCURRENTLY WOULD NOT ALLOW ADEQUATE SPACE BETWEEN THE SAWCUTS TO MAINTAIN TRAFFIC WITH THE PLACMENT OF TUBULAR MARKERS ON EITHER SIDE.

A DETOUR ROUTE SHALL BE IN PLACE DURING CLOSURE OF THE RIGHT TURN BYPASS. DETOUR SIGNAGE SHALL BE LAID DOWN OR COVERED WHEN THE DETOUR ROUTE IS NOT IN USE. MODIFICATIONS OF THE TRAFFIC CONTROL DEVICES TO OPEN AND CLOSE THE RIGHT TURN BYPASS LANE ARE INCIDENTAL TO TRAFFIC CONTROL.

0 40 FEET

CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: CHECKED BY: DRAWN BY:
LETTING DATE: 9/15/2026 CAD DATE: 6/16/2026 6:25:57 AM
CAD FILE: c:\pw_workdir\pw_ie\cjc\d0701873\0022C005.02_J26_SHT.dgn

NO	DATE	BY	REVISION DESCRIPTION

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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE

CEDAR RAPIDS, IA

STAGE 5A
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.28

TAP-U-1187(793)--8I-57

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WORK IN THIS AREA THAT REQUIRES THE CLOSURE OF THE RIGHT TURN BYPASS LANE SHALL BE COMPLETED AS NIGHT WORK BETWEEN 9:00 PM AND 6:00 AM. THE RIGHT TURN BYPASS LANE SHALL REMAIN OPEN AT ALL TIMES OUTSIDE OF THIS SPECIFIC NIGHT WORK WINDOW. MODIFICATIONS OF THE TRAFFIC CONTROL DEVICES TO OPEN AND CLOSE THE RIGHT TURN BYPASS LANE ARE INCIDENTAL TO TRAFFIC CONTROL.

THE INTENT IS TO CONSTRUCT THE SPLITTER ISLAND AND THE OUTSIDE CURB AND GUTTER SEPARATELY. CONSTRUCTING BOTH CONCURRENTLY WOULD NOT ALLOW ADEQUATE SPACE BETWEEN THE SAWCUTS TO MAINTAIN TRAFFIC WITH THE PLACMENT OF TUBULAR MARKERS ON EITHER SIDE.

A DETOUR ROUTE SHALL BE IN PLACE DURING CLOSURE OF THE RIGHT TURN BYPASS. DETOUR SIGNAGE SHALL BE LAID DOWN OR COVERED WHEN THE DETOUR ROUTE IS NOT IN USE.

"NO RIGHT TURN" SIGNS SHALL BE INSTALLED DURING CLOSURE OF THE RIGHT TURN BYPASS LANE AND REMOVED WHEN OPEN.

114+00 115+00 116+00 117+00 118+00 119+00 201+00 120+00 202+00 203+00 204+00 205+00 206+00 207+00 200+00

W20-1 36" X 36" ROAD WORK AHEAD

G20-2 36" X 18" END ROAD WORK

R3-1 24" X 24"

R2-1 24" X 24"

40' DEVICE SPACING

20' DEVICE SPACING

EDGEWOOD ROAD

42ND STREET

TURN LANE 'SPECIAL' 24" X 30"

REFER TO J.30

REFER TO J.31

0 40 FEET

CLIENT PROJECT NO: TAP-U-1187(793)--81-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: J. MEYER CHECKED BY: C. CARPER DRAWN BY: J. MEYER
LETTING DATE: 9/15/2026 CAD DATE: 6/16/2026 6:29:34 AM
CAD FILE: c:\pw_workdir\pw_ie\cjc\d0701873\0022C005.02_J29_SHT.dgn

NO	DATE	BY	REVISION DESCRIPTION

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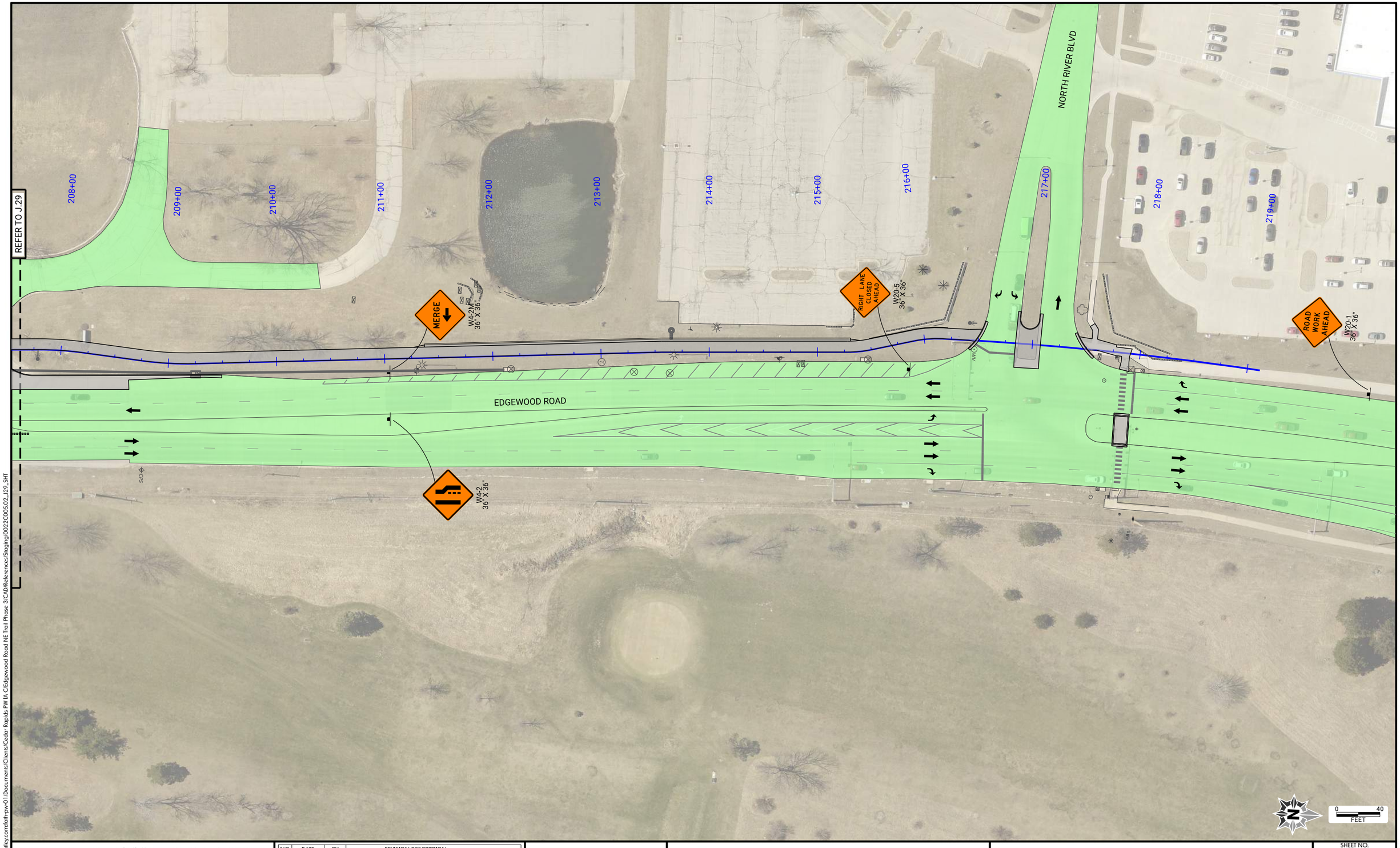
EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

STAGE 5B
TRAFFIC CONTROL AND STAGING

SHEET NO. J.29

TAP-U-1187(793)--81-57

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CLIENT PROJECT NO:	TAP-U-1187(793)--81-57	FOTH PROJECT NO:	0022C005.02
DESIGNED BY:	J. MEYER	CHECKED BY: C. CARPER	DRAWN BY: J. MEYER
LETTING DATE:	9/15/2026	CAD DATE: 6/16/2026	6:29:47 AM
CAD FILE:	c:\pw_workdir\pw_ie\cjc\d0701873\0022C005.02_J29_SHT.dgn		

NO	DATE	BY	REVISION DESCRIPTION

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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE

CEDAR RAPIDS, IA

STAGE 5B
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.30
TAP-U-1187(793)--81-57

REFER TO J.29

WORK IN THIS AREA THAT REQUIRES THE CLOSURE OF THE RIGHT TURN BYPASS LANE SHALL BE COMPLETED AS NIGHT WORK BETWEEN 9:00 PM AND 6:00 AM. THE RIGHT TURN BYPASS LANE SHALL REMAIN OPEN AT ALL TIMES OUTSIDE OF THIS SPECIFIC NIGHT WORK WINDOW. MODIFICATIONS OF THE TRAFFIC CONTROL DEVICES TO OPEN AND CLOSE THE RIGHT TURN BYPASS LANE ARE INCIDENTAL TO TRAFFIC CONTROL.

THE INTENT IS TO CONSTRUCT THE SPLITTER ISLAND AND THE OUTSIDE CURB AND GUTTER SEPARATELY. CONSTRUCTING BOTH CONCURRENTLY WOULD NOT ALLOW ADEQUATE SPACE BETWEEN THE SAWCUTS TO MAINTAIN TRAFFIC WITH THE PLACMENT OF TUBULAR MARKERS ON EITHER SIDE.

A DETOUR ROUTE SHALL BE IN PLACE DURING CLOSURE OF THE RIGHT TURN BYPASS. DETOUR SIGNAGE SHALL BE LAID DOWN OR COVERED WHEN THE DETOUR ROUTE IS NOT IN USE.

20' DEVICE SPACING

"NO RIGHT TURN" SIGNS SHALL BE INSTALLED DURING CLOSURE OF THE RIGHT TURN BYPASS LANE AND REMOVED WHEN OPEN.

R3-1 24" X 24"

R3-1 24" X 24"

203+00

202+00

120+00

200+00

201+00

119+00

END ROAD WORK G20-2 36" X 18"

TURN LANE "SPECIAL" 24" X 30"

ROAD WORK AHEAD W20-1 36" X 36"

42ND STREET

118+00

ROAD WORK AHEAD W20-1 36" X 36"

117+00

116+00

115+00

EDGEWOOD ROAD

END ROAD WORK G20-2 36" X 18"

ROAD WORK AHEAD W20-1 36" X 36"

RIVER RIDGE DRIVE

END ROAD WORK G20-2 36" X 18"

ROAD WORK AHEAD W20-1 36" X 36"

N

0 40 FEET

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CLIENT PROJECT NO:	TAP-U-1187(793)--8I-57	FOTH PROJECT NO:	0022C005.02
DESIGNED BY:	J. MEYER	CHECKED BY:	C. CARPER
DRAWN BY:	J. MEYER		
LETTING DATE:	9/15/2026	CAD DATE:	6/16/2026 6:30:02 AM
CAD FILE:	c:\pw_workdir\pw_ie\cjc\d0701873\0022C005.02_J29_SHT.dgn		

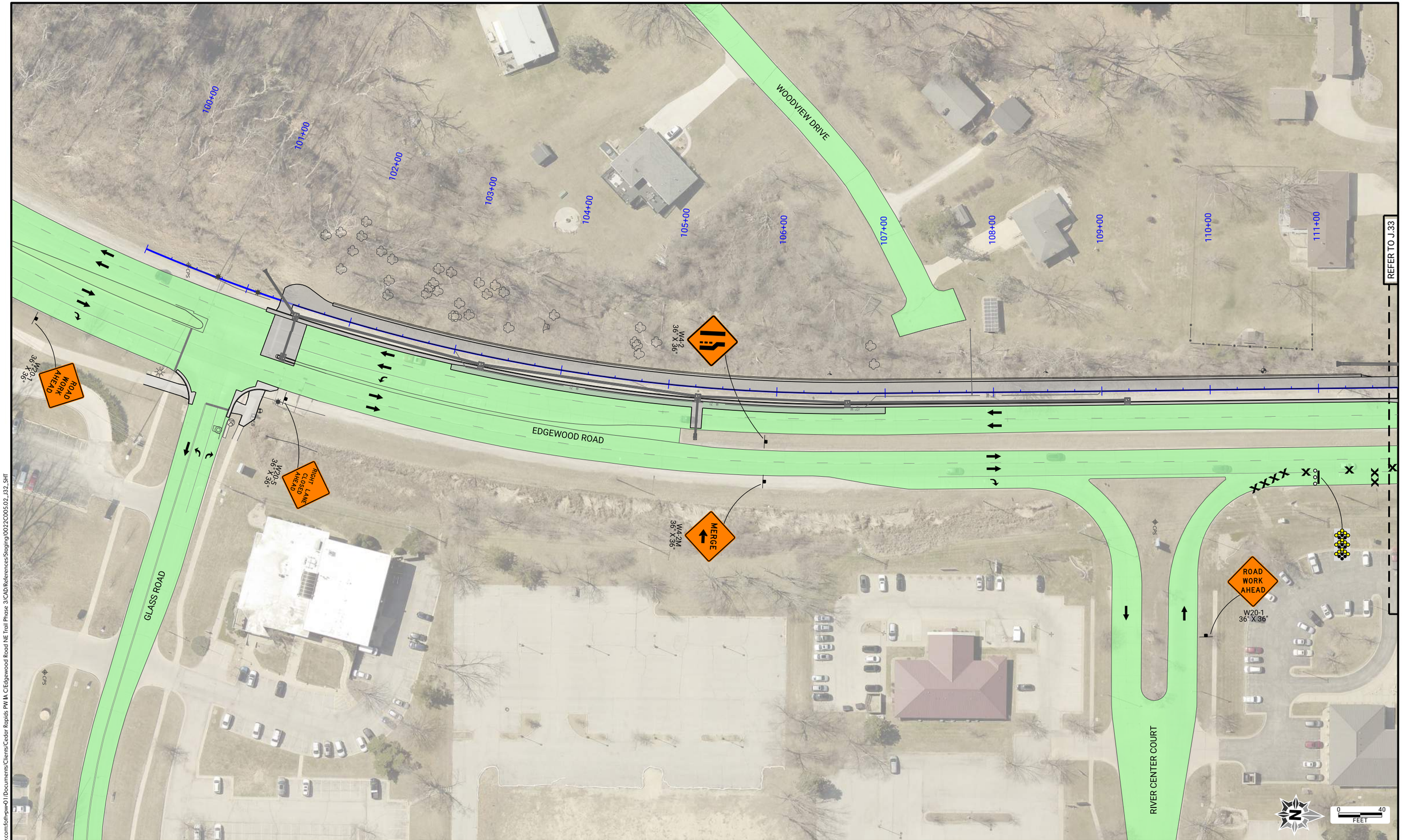
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Foth

EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

STAGE 5B
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.31
TAP-U-1187(793)--8I-57



CLIENT PROJECT NO: TAP-U-1187(793)--81-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: J. MEYER CHECKED BY: C. CARPER DRAWN BY: J. MEYER
LETTING DATE: 9/15/2026 CAD DATE: 6/16/2026 6:33:44 AM
CAD FILE: c:\pw_workdir\pw_ie\cjc\d0701873\0022C005.02_J32_SHT.dgn

NO	DATE	BY	REVISION DESCRIPTION

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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

STAGE 5C
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.32
TAP-U-1187(793)--81-57

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REFER TO J.34

REFER TO J.32

WILLOWBROOK DRIVE

42ND STREET

EDGEWOOD ROAD

112+00

113+00

114+00

115+00

116+00

117+00

118+00

119+00

201+00

120+00

202+00

200+00

203+00

204+00

205+00

206+00

"SPECIAL" 24" X 30"
TURN LANE

END ROAD WORK
G20-2
36" X 18"

R3-1
24" X 24"

R3-1
24" X 24"

"NO RIGHT TURN" SIGNS SHALL BE INSTALLED DURING CLOSURE OF THE RIGHT TURN BYPASS LANE AND REMOVED WHEN OPEN.

WORK IN THIS AREA THAT REQUIRES THE CLOSURE OF THE RIGHT TURN BYPASS LANE SHALL BE COMPLETED AS NIGHT WORK BETWEEN 9:00 PM AND 6:00 AM. THE RIGHT TURN BYPASS LANE SHALL REMAIN OPEN AT ALL TIMES OUTSIDE OF THIS SPECIFIC NIGHT WORK WINDOW. MODIFICATIONS OF THE TRAFFIC CONTROL DEVICES TO OPEN AND CLOSE THE RIGHT TURN BYPASS LANE ARE INCIDENTAL TO TRAFFIC CONTROL.

A DETOUR ROUTE SHALL BE IN PLACE DURING CLOSURE OF THE RIGHT TURN BYPASS. DETOUR SIGNAGE SHALL BE LAID DOWN OR COVERED WHEN THE DETOUR ROUTE IS NOT IN USE.

END ROAD WORK
G20-2
36" X 18"

ROAD WORK AHEAD
W20-1
36" X 36"

END ROAD WORK
G20-2
36" X 18"

0 40
FEET

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CLIENT PROJECT NO: TAP-U-1187(793)--81-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: J. MEYER CHECKED BY: C. CARPER DRAWN BY: J. MEYER
LETTING DATE: 9/15/2026 CAD DATE: 6/16/2026 6:33:56 AM
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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE

CEDAR RAPIDS, IA

STAGE 5C
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.33
TAP-U-1187(793)--81-57

END ROAD WORK
G20-2
36" X 18"

END ROAD WORK
G20-2
36" X 18"

ROAD WORK AHEAD
W20-1
36" X 36"

ROAD WORK AHEAD
W20-1
36" X 36"

203+00
202+00
201+00
200+00
120+00
119+00
118+00
117+00
116+00
115+00

42ND STREET

GEORGIA AVENUE

EDGEWOOD ROAD

TURN LANE
'SPECIAL'
24" X 30"

END ROAD WORK
G20-2
36" X 18"

END ROAD WORK
G20-2
36" X 18"

R3-1
24" X 24"

R3-1
24" X 24"

WORK IN THIS AREA THAT REQUIRES THE CLOSURE OF THE RIGHT TURN BYPASS LANE SHALL BE COMPLETED AS NIGHT WORK BETWEEN 9:00 PM AND 6:00 AM. THE RIGHT TURN BYPASS LANE SHALL REMAIN OPEN AT ALL TIMES OUTSIDE OF THIS SPECIFIC NIGHT WORK WINDOW. MODIFICATIONS OF THE TRAFFIC CONTROL DEVICES TO OPEN AND CLOSE THE RIGHT TURN BYPASS LANE ARE INCIDENTAL TO TRAFFIC CONTROL.

A DETOUR ROUTE SHALL BE IN PLACE DURING CLOSURE OF THE RIGHT TURN BYPASS. DETOUR SIGNAGE SHALL BE LAID DOWN OR COVERED WHEN THE DETOUR ROUTE IS NOT IN USE.

"NO RIGHT TURN" SIGNS SHALL BE INSTALLED DURING CLOSURE OF THE RIGHT TURN BYPASS LANE AND REMOVED WHEN OPEN.

N

0 40
FEET

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CLIENT PROJECT NO: TAP-U-1187(793)--81-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: J. MEYER CHECKED BY: C. CARPER DRAWN BY: J. MEYER
LETTING DATE: 9/15/2026 CAD DATE: 6/16/2026 6:34:07 AM
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NO	DATE	BY	REVISION DESCRIPTION

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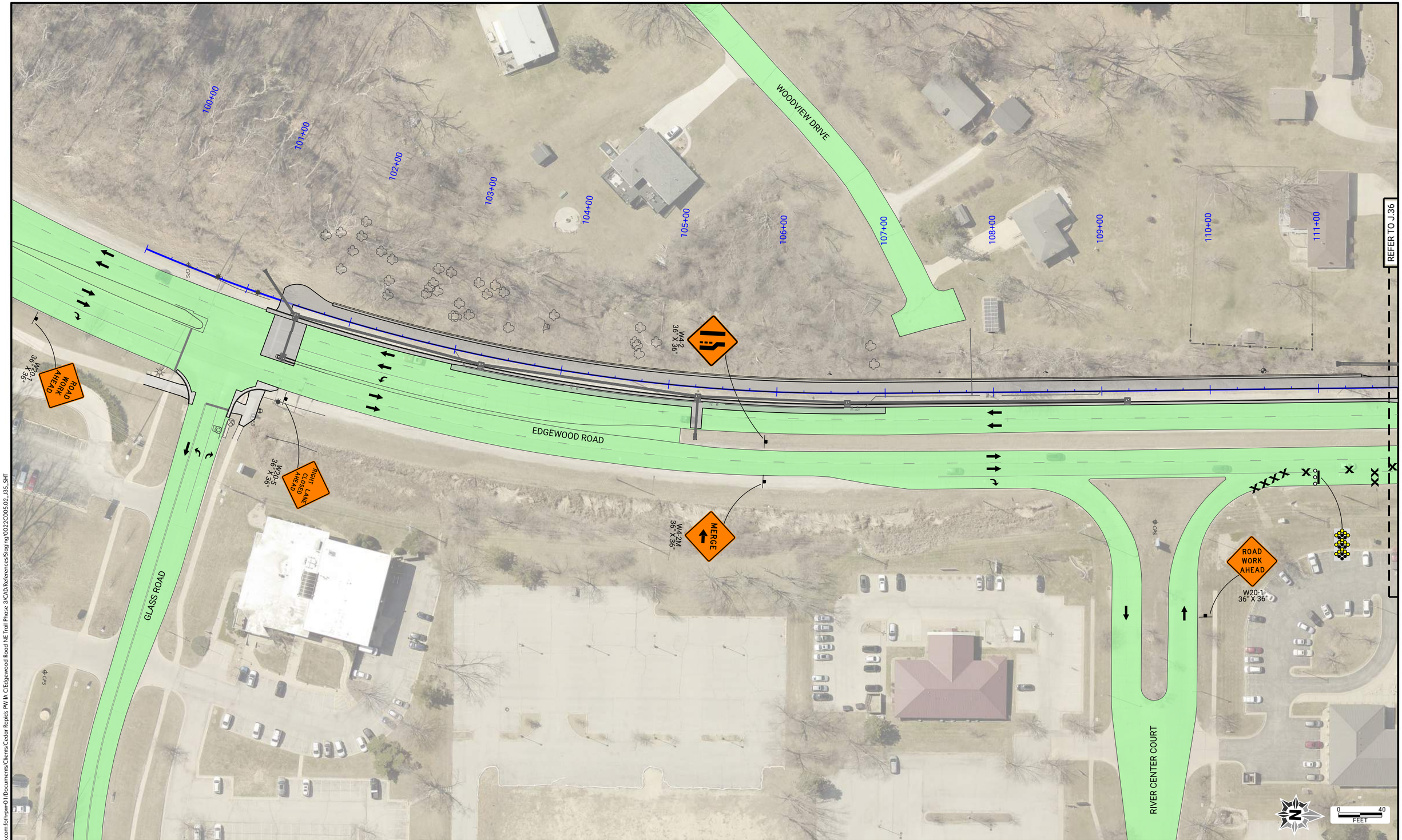
EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE

CEDAR RAPIDS, IA

STAGE 5C
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.34

TAP-U-1187(793)--81-57



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CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: J. MEYER CHECKED BY: C. CARPER DRAWN BY: J. MEYER
LETTING DATE: 9/15/2026 CAD DATE: 6/16/2026 6:38:18 AM
CAD FILE: c:\pw_workdir\pw_ie\cjc\d0701873\0022C005.02_J35_SHT.dgn

NO	DATE	BY	REVISION DESCRIPTION

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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE

CEDAR RAPIDS, IA

STAGE 5D
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.35
TAP-U-1187(793)--8I-57

WILLOWBROOK DRIVE

42ND STREET

EDGEWOOD ROAD

112+00 113+00 114+00 115+00 116+00 117+00 118+00 119+00 201+00 120+00 202+00 200+00 203+00 204+00 205+00 206+00

REFER TO J.35

REFER TO J.37

ROAD WORK AHEAD
W20-1
36" X 36"

END ROAD WORK
G20-2
36" X 18"

END ROAD WORK
G20-2
36" X 18"

END ROAD WORK
G20-2
36" X 18"

TURN LANE
'SPECIAL'
24" X 30"

TURN LANE
'SPECIAL'
24" X 30"

INSTALL AN 11-FOOT WIDE HMA PAVED SHOULDER PRIOR TO CONSTRUCTING THE SPLITTER ISLAND. THE SHOULDER IS CONSIDERED PERMANENT AND CAN REMAIN AFTER CONSTRUCTION OF SPLITTER ISLAND.

CONTRACTOR SHALL MAINTAIN ACCESS TO THE RIGHT TURN BYPASS LANE AT ALL TIMES.

INSTALL 227 LF OF TEMPORARY EDGE LANE LINE (ELW4)

0 40
FEET

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CLIENT PROJECT NO:	TAP-U-1187(793)--8I-57	FOTH PROJECT NO:	0022C005.02
DESIGNED BY:	J. MEYER	CHECKED BY:	C. CARPER
DRAWN BY:	J. MEYER		
LETTING DATE:	9/15/2026	CAD DATE:	6/16/2026 6:38:33 AM
CAD FILE:	c:\pw_workdir\pw_ie\cjc\d0701873\0022C005.02_J35_SHT.dgn		

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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE

CEDAR RAPIDS, IA

STAGE 5D
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.36
TAP-U-1187(793)--8I-57

END ROAD WORK
G20-2
36" X 18"

W20-1
36" X 36"
ROAD WORK AHEAD

INSTALL AN 11-FOOT WIDE HMA PAVED SHOULDER PRIOR TO CONSTRUCTING THE SPLITTER ISLAND. THE SHOULDER IS CONSIDERED PERMANENT AND CAN REMAIN AFTER CONSTRUCTION OF SPLITTER ISLAND.

CONTRACTOR SHALL MAINTAIN ACCESS TO THE RIGHT TURN BYPASS LANE AT ALL TIMES.

INSTALL 227 LF OF TEMPORARY EDGE LANE LINE (ELW4)

TURN LANE
'SPECIAL'
24" X 30"

203+00
202+00
120+00
200+00
201+00
119+00
118+00
117+00
116+00
115+00

42ND STREET

EDGEWOOD ROAD

RIVER RIDGE DRIVE

REFER TO J.36

0 40 FEET

CLIENT PROJECT NO:	TAP-U-1187(793)--8I-57	FOTH PROJECT NO:	0022C005.02
DESIGNED BY:	J. MEYER	CHECKED BY:	C. CARPER
DRAWN BY:	J. MEYER		
LETTING DATE:	9/15/2026	CAD DATE:	6/16/2026 6:38:49 AM
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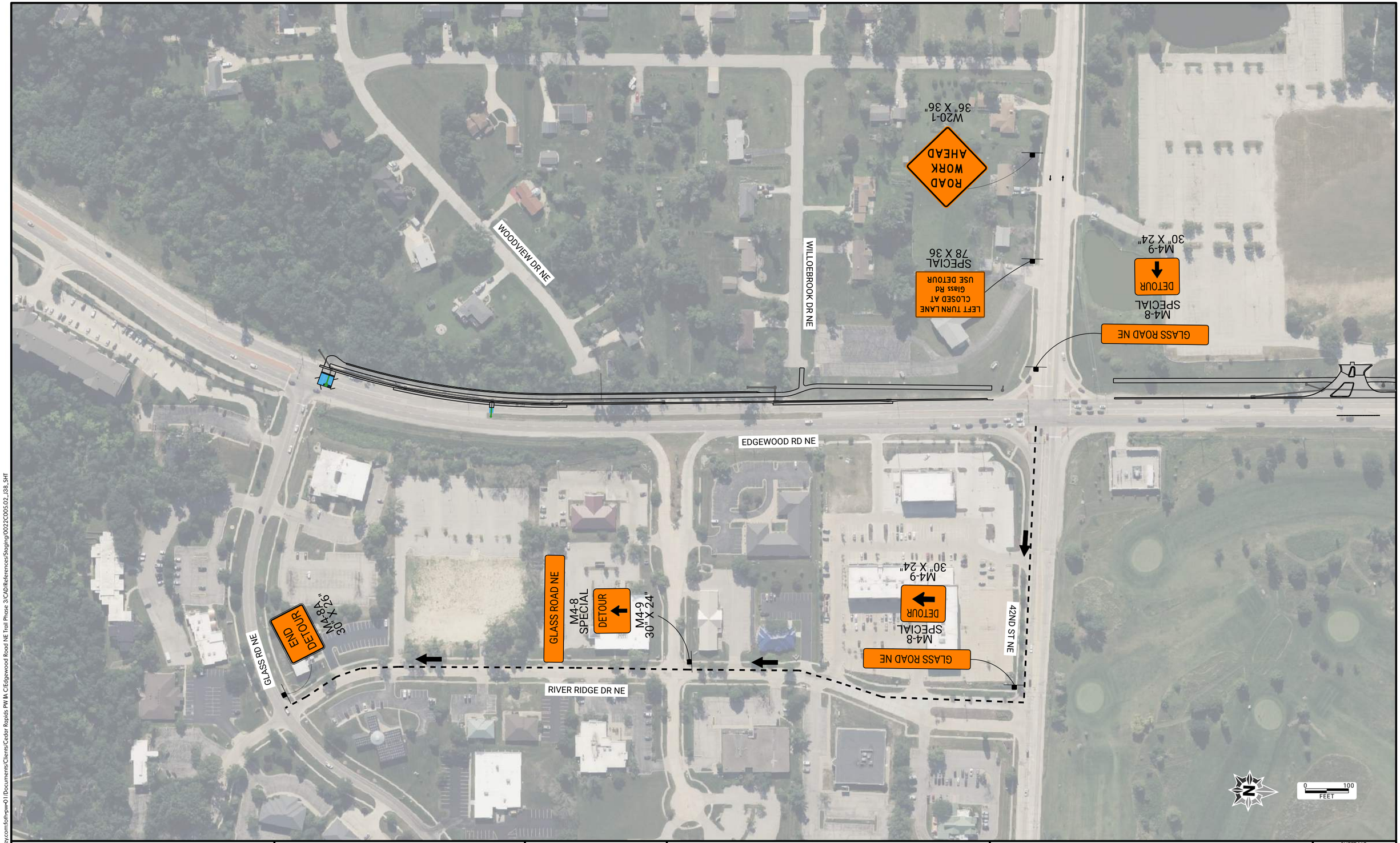
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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

STAGE 5D
TRAFFIC CONTROL AND STAGING

SHEET NO.
J.37
TAP-U-1187(793)--8I-57

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CLIENT PROJECT NO:	TAP-U-1187(793)--8I-57	FOTH PROJECT NO:	0022C005.02
DESIGNED BY:	J. MEYER	CHECKED BY:	C. CARPER
DRAWN BY:	J. MEYER		
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NO	DATE	BY	REVISION DESCRIPTION

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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

STAGE 4A
DETOUR PLAN

SHEET NO.
J.38
TAP-U-1187(793)--8I-57

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DESIGNED BY:	J. MEYER	CHECKED BY:	C. CARPER
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LETTING DATE:	9/15/2026	CAD DATE:	6/16/2026 7:14:02 AM
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NO	DATE	BY	REVISION DESCRIPTION

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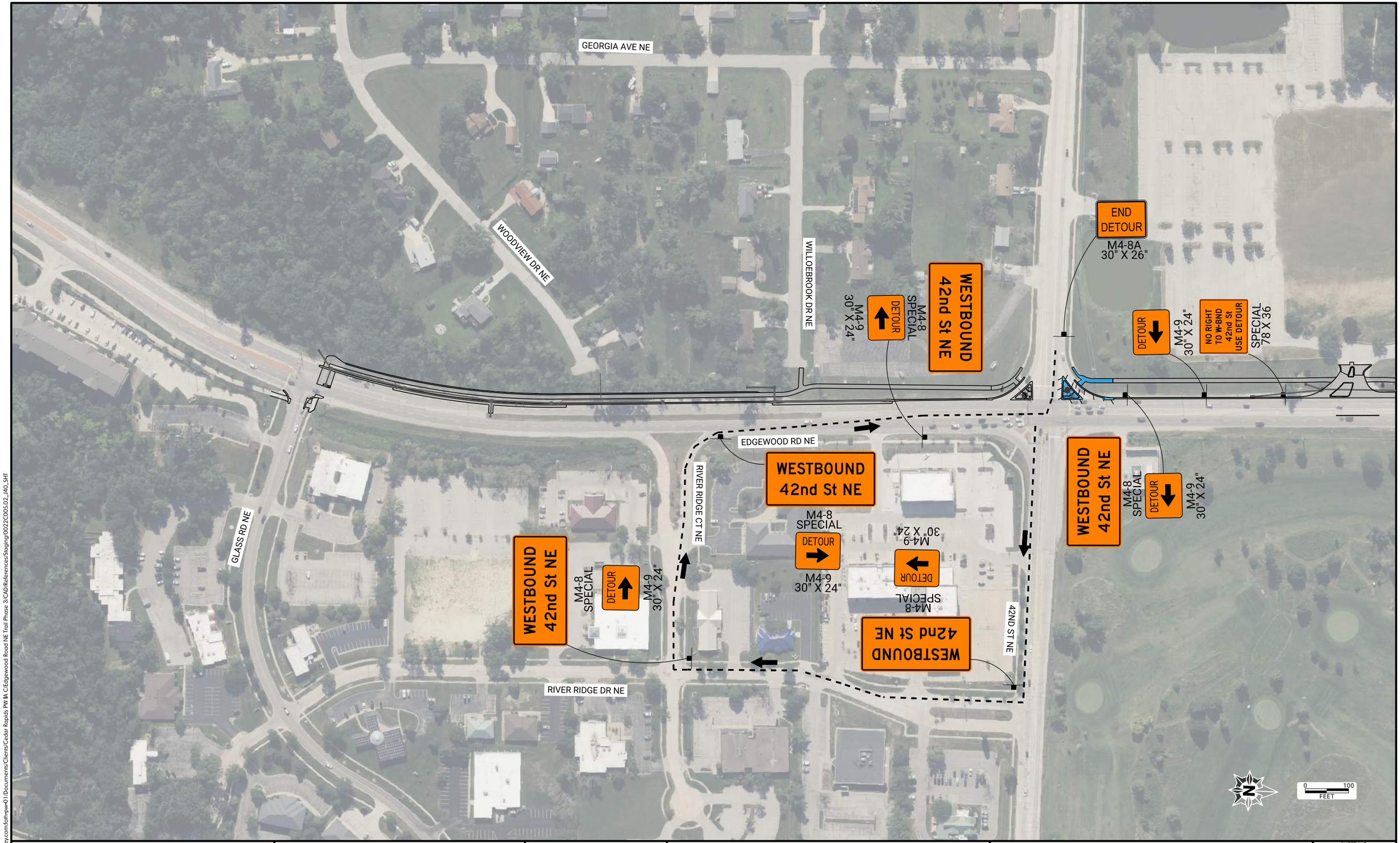
EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

STAGE 5A
DETOUR PLAN

SHEET NO.
J.39
TAP-U-1187(793)--8I-57

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CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: J. MEYER CHECKED BY: C. CARPER DRAWN BY: J. MEYER
LETTING DATE: 9/15/2026 CAD DATE: 6/16/2026 7:17:51 AM
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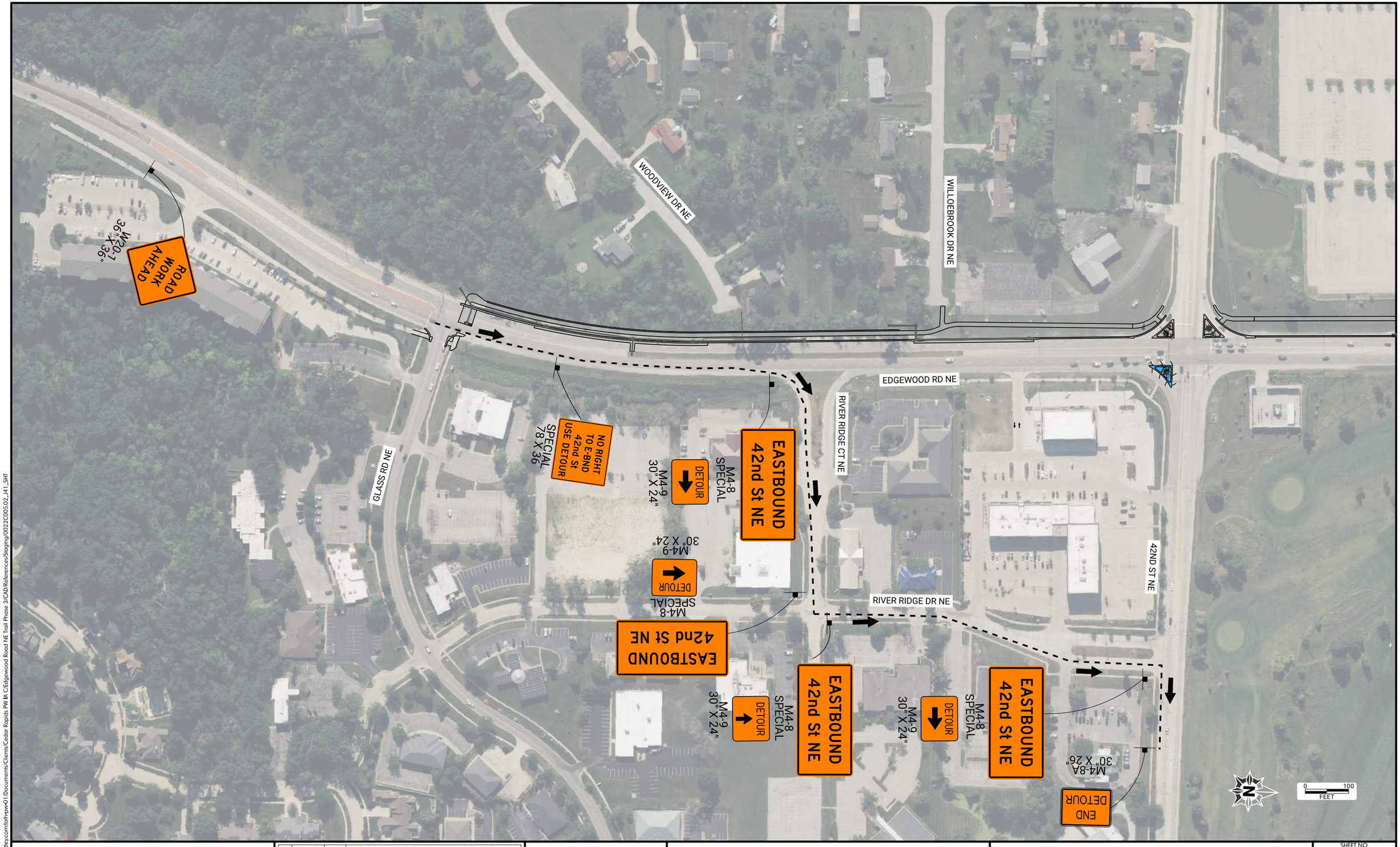
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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

STAGE 5B
DETOUR PLAN

SHEET NO.
J.40
TAP-U-1187(793)--8I-57

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DRAWN BY:	J. MEYER		
LETTING DATE:	9/15/2026	CAD DATE:	6/16/2026 7:21:20 AM
CAD FILE:	c:\pw_workdir\pw_ie\cjc\d0701873\0022C005.02_J41_SHT.dgn		

NO	DATE	BY	REVISION DESCRIPTION

Foth

EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

STAGE 5C
DETOUR PLAN

SHEET NO.
J.41
TAP-U-1187(793)--8I-57

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CLIENT PROJECT NO:	TAP-U-1187(793)--8I-57	FOTH PROJECT NO:	0022C005.02
DESIGNED BY:	J. MEYER	CHECKED BY:	C. CARPER
DRAWN BY:	J. MEYER		
LETTING DATE:	9/15/2026	CAD DATE:	6/16/2026 7:25:12 AM
CAD FILE:	c:\pw_workdir\pw_ie\cjc\d0701873\0022C005.02_J42_SHT.dgn		

NO	DATE	BY	REVISION DESCRIPTION

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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE

CEDAR RAPIDS, IA

STAGE 4B AND 4C
PEDESTRIAN DETOUR PLAN

SHEET NO.
J.42
TAP-U-1187(793)--8I-57

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DESIGNED BY:	J. MEYER	CHECKED BY:	C. CARPER
DRAWN BY:	J. MEYER		
LETTING DATE:	9/15/2026	CAD DATE:	6/16/2026 7:27:51 AM
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NO	DATE	BY	REVISION DESCRIPTION

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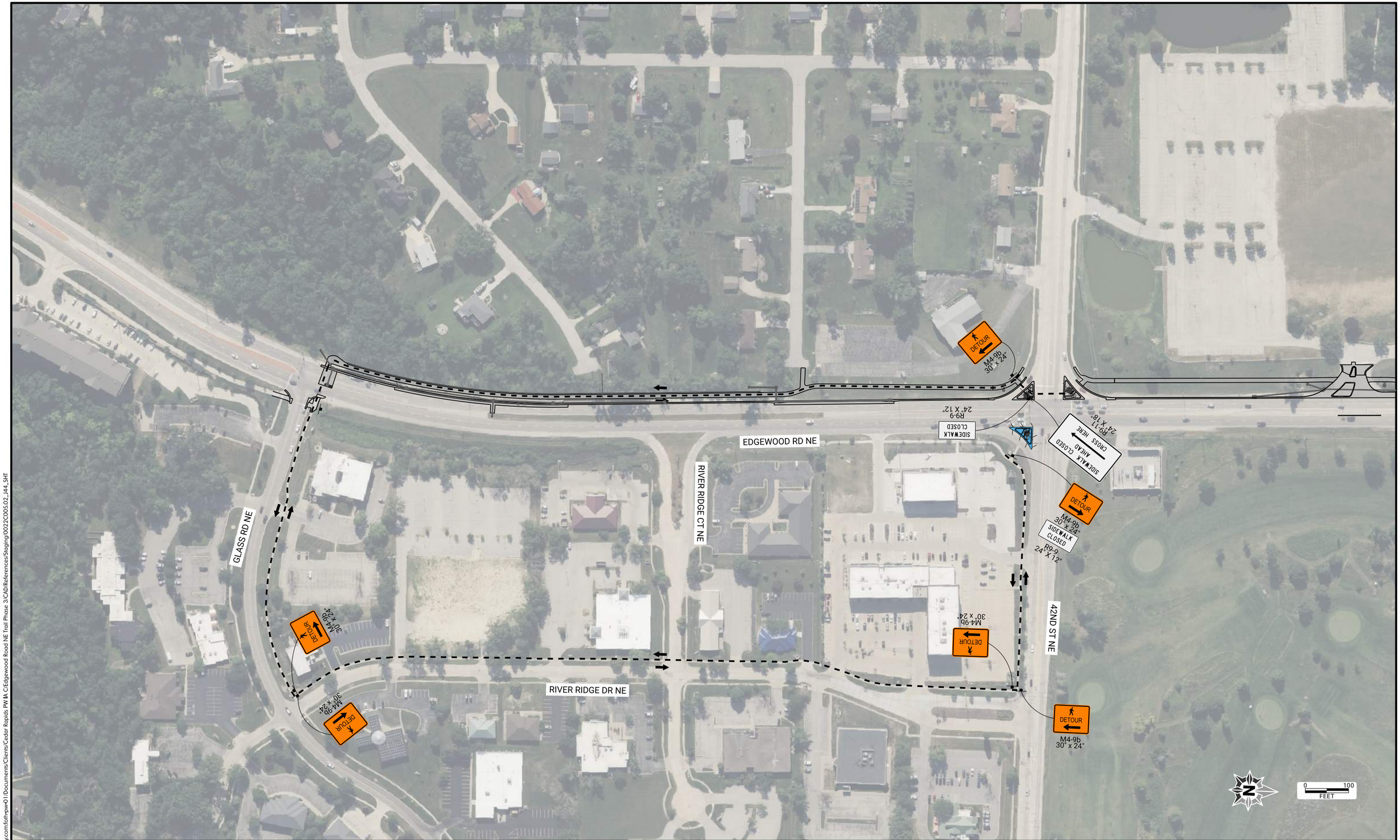
EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

STAGE 5B
PEDESTRIAN DETOUR PLAN

SHEET NO.
J.43
TAP-U-1187(793)–8I-57

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CLIENT PROJECT NO:	TAP-U-1187(793)--8I-57	FOTH PROJECT NO:	0022C005.02
DESIGNED BY:	J. MEYER	CHECKED BY: C. CARPER	DRAWN BY: J. MEYER
LETTING DATE:	9/15/2026	CAD DATE: 6/16/2026	7:30:39 AM
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NO	DATE	BY	REVISION DESCRIPTION

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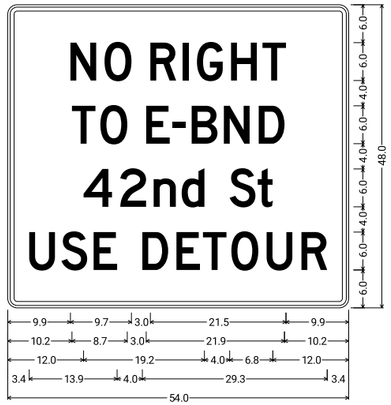
EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

STAGE 5C
PEDESTRIAN DETOUR PLAN

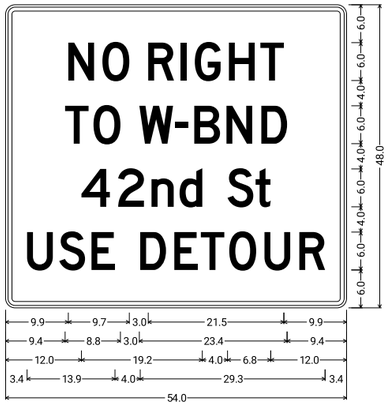
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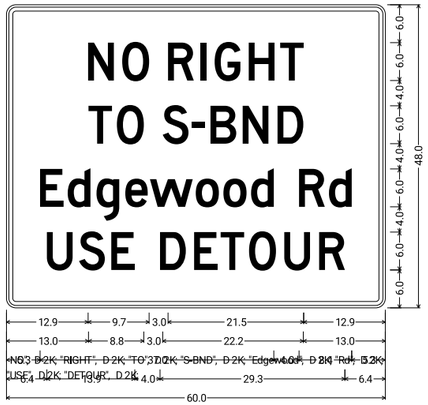
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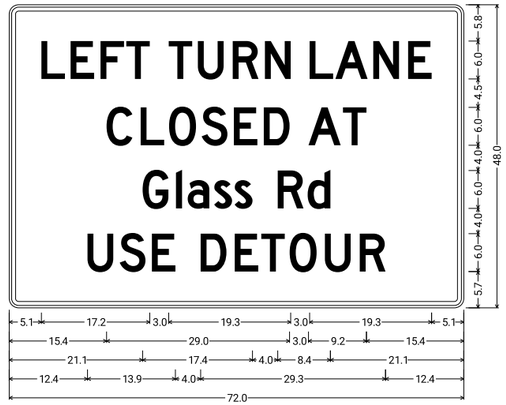
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"NO", D 2K; "RIGHT", D 2K; "TO", D 2K; "E-BND", D 2K; "42nd", D 2K;
"St", D 2K; "USE", D 2K; "DETOUR", D 2K;



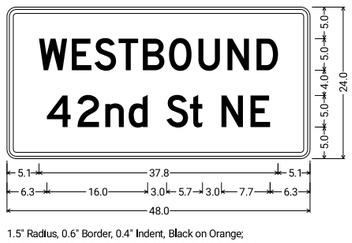
1.5" Radius, 0.6" Border, 0.4" Indent, Black on Orange;
"NO", D 2K; "RIGHT", D 2K; "TO", D 2K; "W-BND", D 2K; "42nd", D 2K;
"St", D 2K; "USE", D 2K; "DETOUR", D 2K;



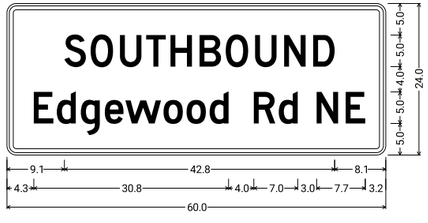
1.5" Radius, 0.6" Border, 0.4" Indent, Black on Orange;
"



1.5" Radius, 0.6" Border, 0.4" Indent, Black on Orange;
"LEFT", D 2K; "TURN", D 2K; "LANE", D 2K; "CLOSED", D 2K; "AT", D 2K; "Glass", D 2K; "Rd", D 2K;
"USE", D 2K; "DETOUR", D 2K;

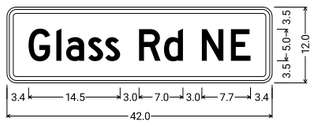


1.5" Radius, 0.6" Border, 0.4" Indent, Black on Orange;
"EASTBOUND", D 2K; "42nd", D 2K; "St", D 2K; "NE", D 2K;

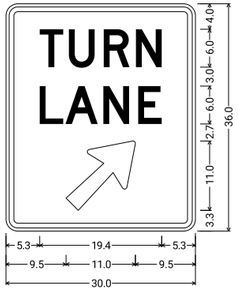


1.5" Radius, 0.6" Border, 0.4" Indent, Black on Orange;
"SOUTHBOUND", D 2K; "Edgewood", D 2K; "Rd", D 2K; "NE", D 2K;

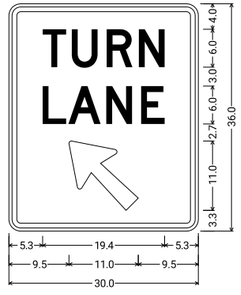
1.5" Radius, 0.6" Border, 0.4" Indent, Black on Orange;
"WESTBOUND", D 2K; "42nd", D 2K; "St", D 2K; "NE", D 2K;



1.5" Radius, 0.6" Border, 0.4" Indent, Black on Orange;
"Glass", D 2K; "Rd", D 2K; "NE", D 2K;



TURN LANE 45 DEG ARROW;
1.9" Radius, 0.8" Border, 0.5" Indent, Black on Orange;
"TURN", D 2K; "LANE", D 2K;
Arrow 13 - 14.0" 45";



TURN LANE 45 DEG ARROW;
1.9" Radius, 0.8" Border, 0.5" Indent, Black on Orange;
"TURN", D 2K; "LANE", D 2K;
Arrow Custom - 14.0" 135";



0 100
FEET

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CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: J. MEYER CHECKED BY: C. CARPER DRAWN BY: J. MEYER
LETTING DATE: 9/15/2026 CAD DATE: 6/16/2026 7:33:30 AM
CAD FILE: c:\pw_workdir\pw_ie\cjc\d0701873\0022C005.02_SIGN.dgn

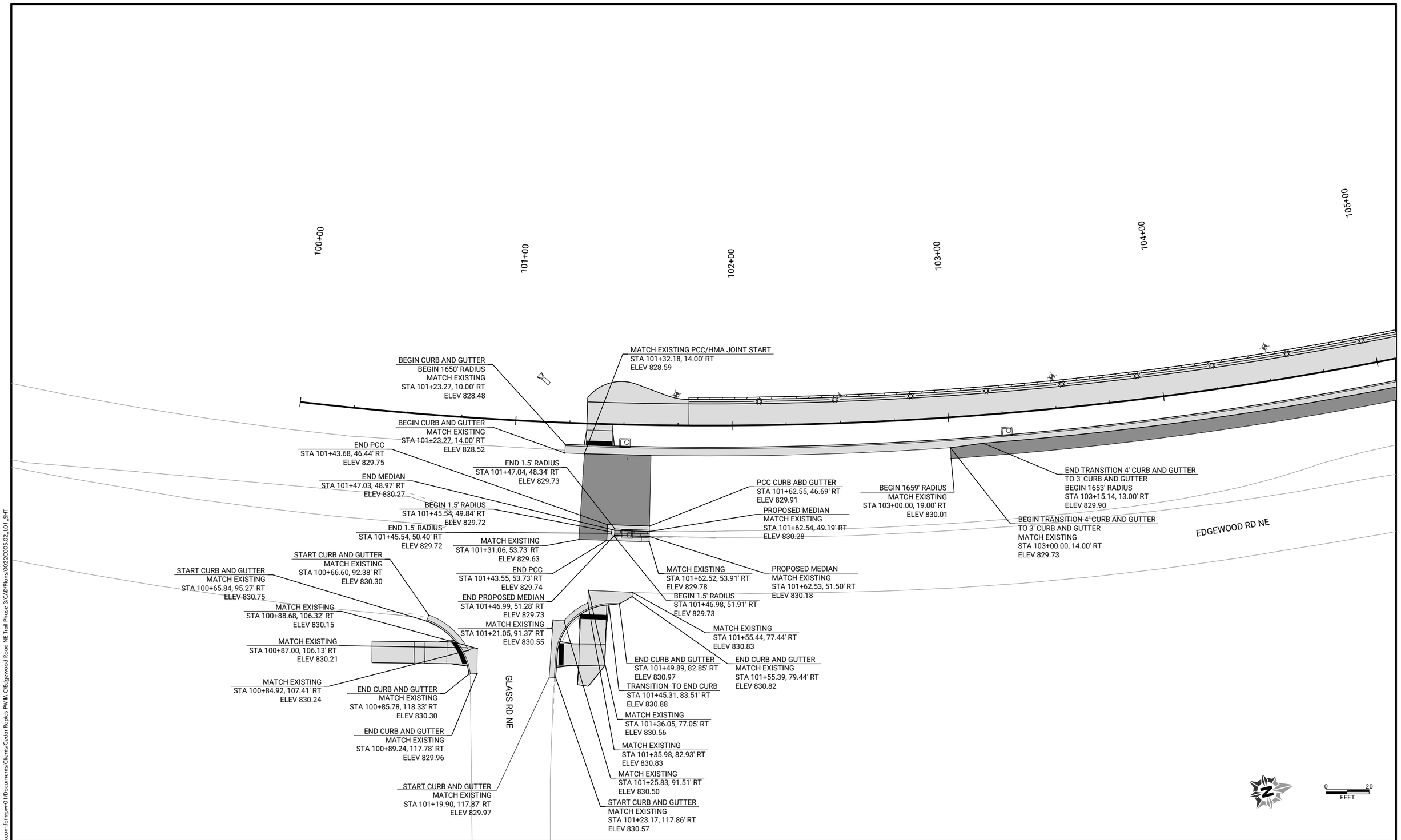
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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

SIGN DETAILS

SHEET NO.
J.45
TAP-U-1187(793)--8I-57



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CLIENT PROJECT NO: TAP-U-1187(793)--81-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: J. MEYER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 1:27:34 PM
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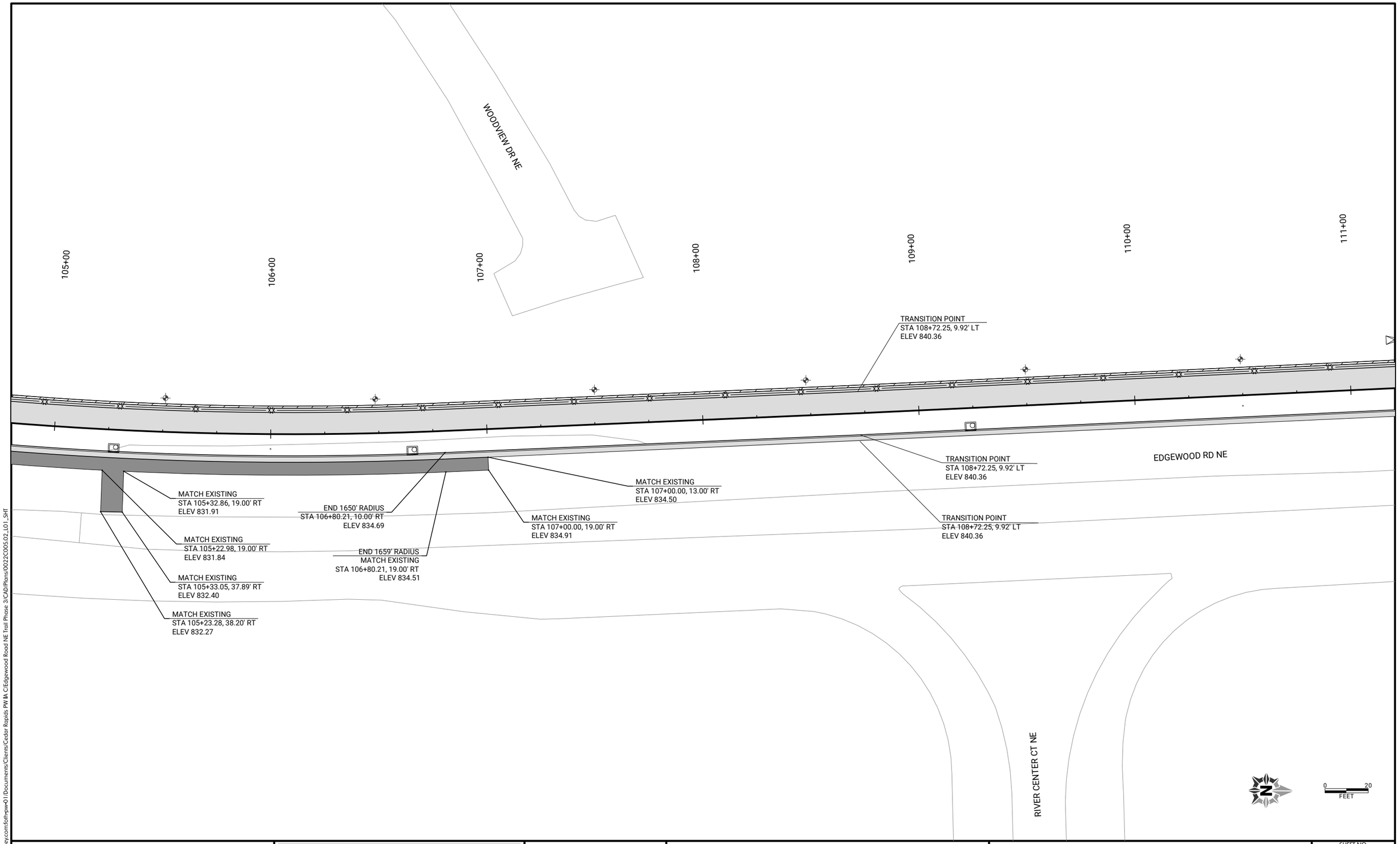
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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE

CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
GEOMETRICS AND STAKING

SHEET NO.
L.1
TAP-U-1187(793)--81-57



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CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
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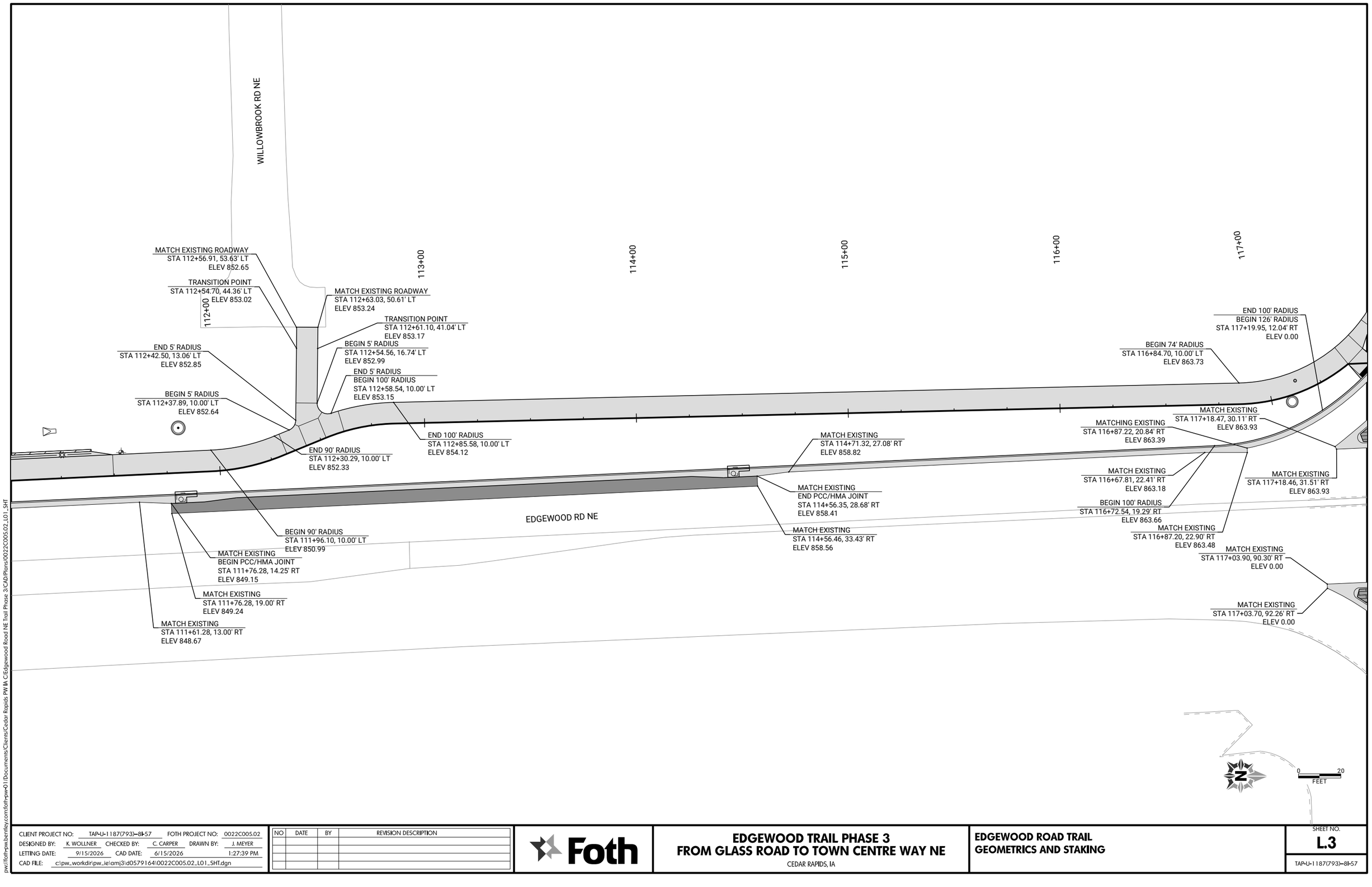
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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
GEOMETRICS AND STAKING

SHEET NO.
L.2
TAP-U-1187(793)--8I-57



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DESIGNED BY:	K. WOLLNER	CHECKED BY:	C. CARPER
DRAWN BY:	J. MEYER		
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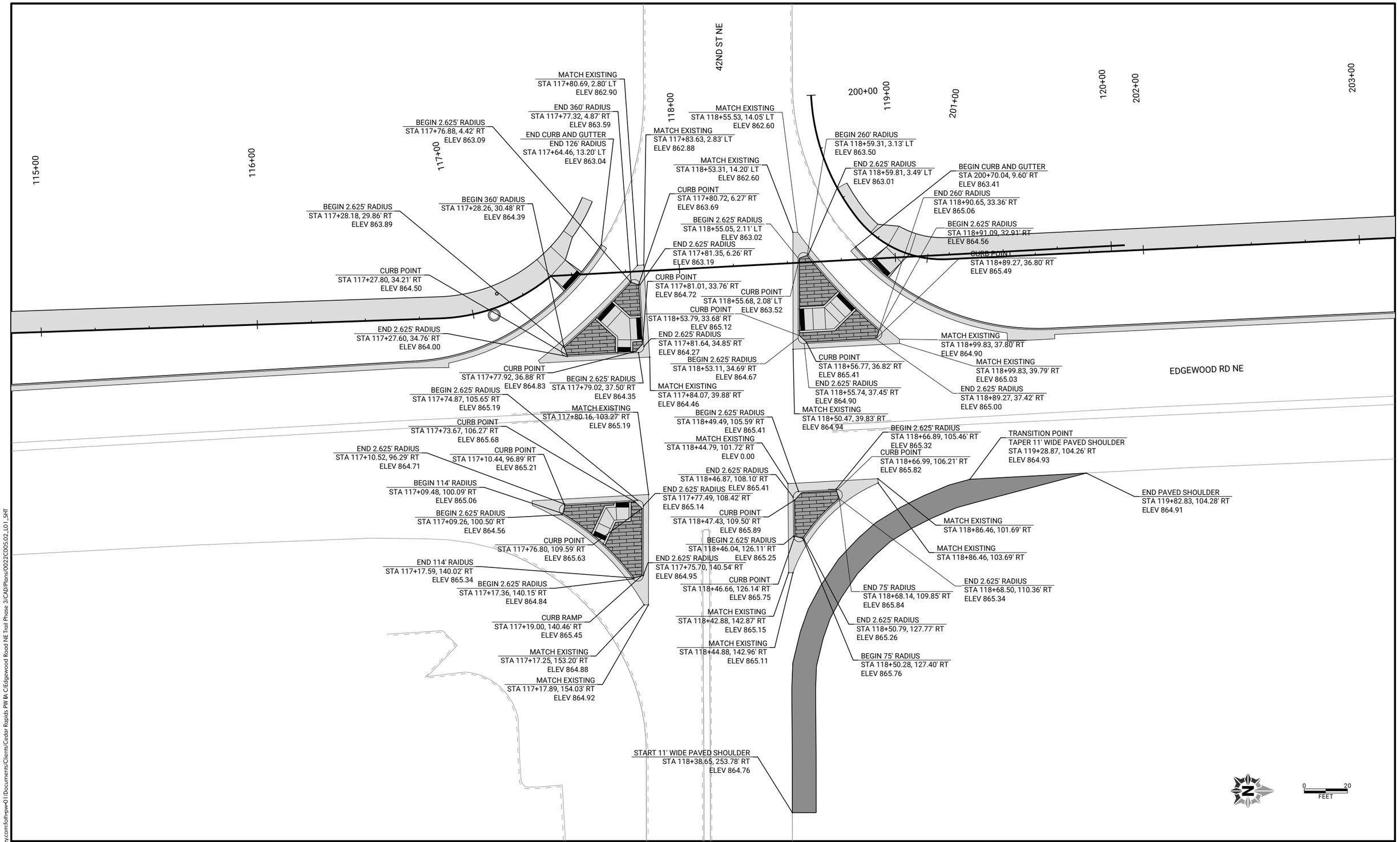
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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
GEOMETRICS AND STAKING

SHEET NO.
L.3
TAP-U-1187(793)--8I-57



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DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: J. MEYER
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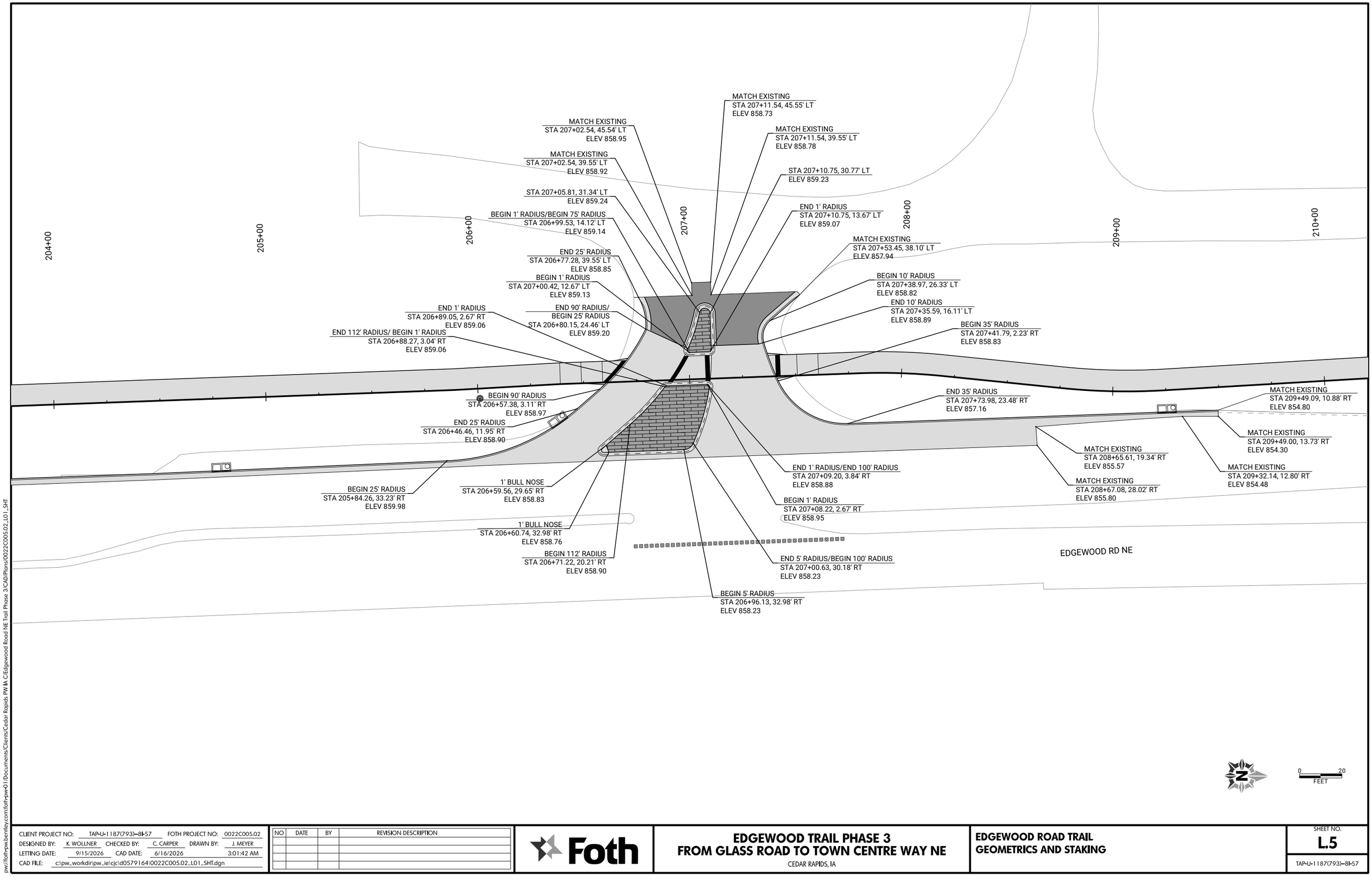
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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
GEOMETRICS AND STAKING

SHEET NO.
L.4
TAP-U-1187(793)--8I-57



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CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: J. MEYER
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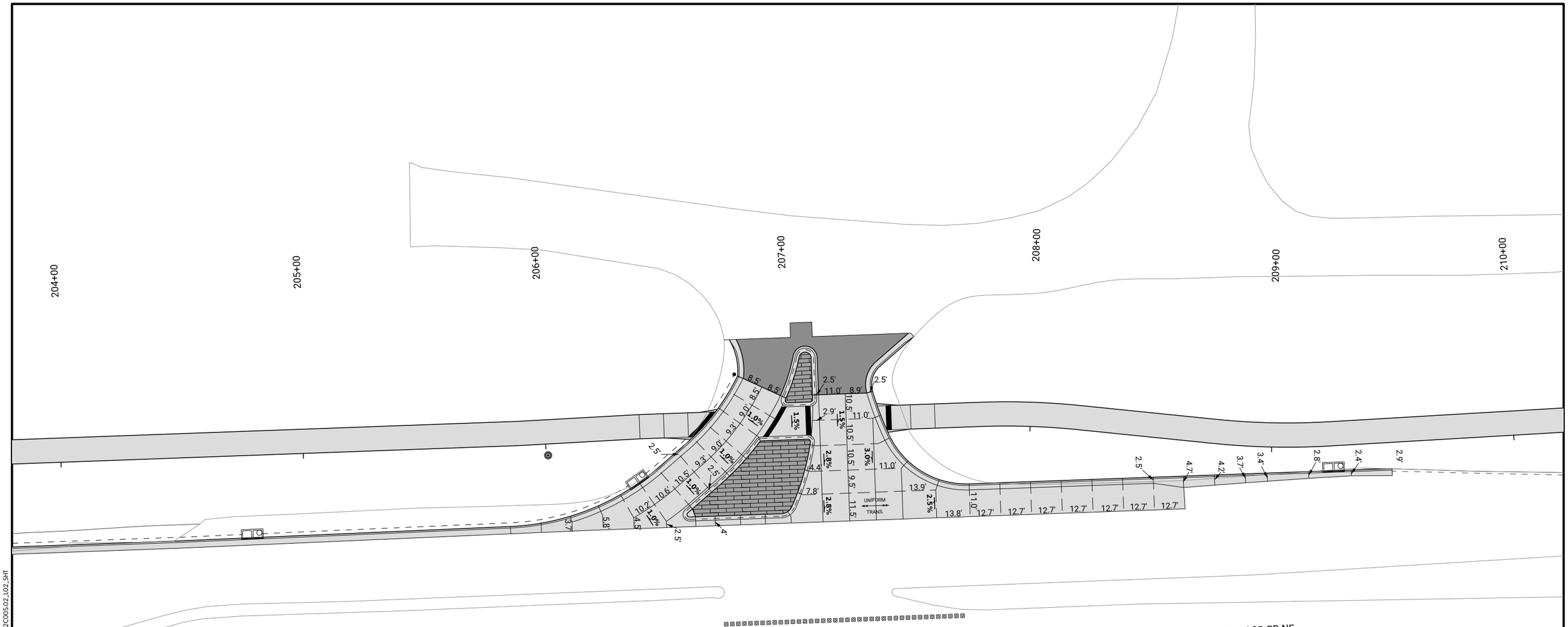
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Foth

EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
GEOMETRICS AND STAKING

SHEET NO.
L.5
TAP-U-1187(793)--8I-57



NOTES:

KEYWAY JOINTS WILL NOT BE ALLOWED.

CONTRACTOR TO VERIFY EXISTING JOINT LOCATIONS AND SPACING.
NOTIFY THE ENGINEER IF DIFFERENT THAN SHOWN.
BOXOUTS FOR GRATE INTAKES SHALL HAVE A WIDTH OF 30".
RD JOINTS SHALL BE USED AT BOTH ENDS OF THE BOXOUTS.

———— TIED JOINT (BT/L)

— — — DOWELED JOINT (CD)

- - - - - - 1" EXPANSION JOINT (E)

0 20
FEET

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NO	DATE	BY	REVISION DESCRIPTION

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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
JOINTING

SHEET NO.
L.6
TAP-U-1187(793)--81-57

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208+00

209+00

210+00

211+00

212+00

213+00

BEGIN 300' RADIUS
STA 207+79.80, 10.00' LT
ELEV 858.24

END 300' RADIUS
STA 208+19.64, 10.00' LT
ELEV 857.55

BEGIN 290' RADIUS
STA 208+76.21, 10.00' LT
ELEV 856.57

END 290' RADIUS
STA 209+24.21, 10.00' LT
ELEV 855.87

EDGEWOOD RD NE

0 20
FEET

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CLIENT PROJECT NO: TAP-U-1187(793)--81-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: J. MEYER
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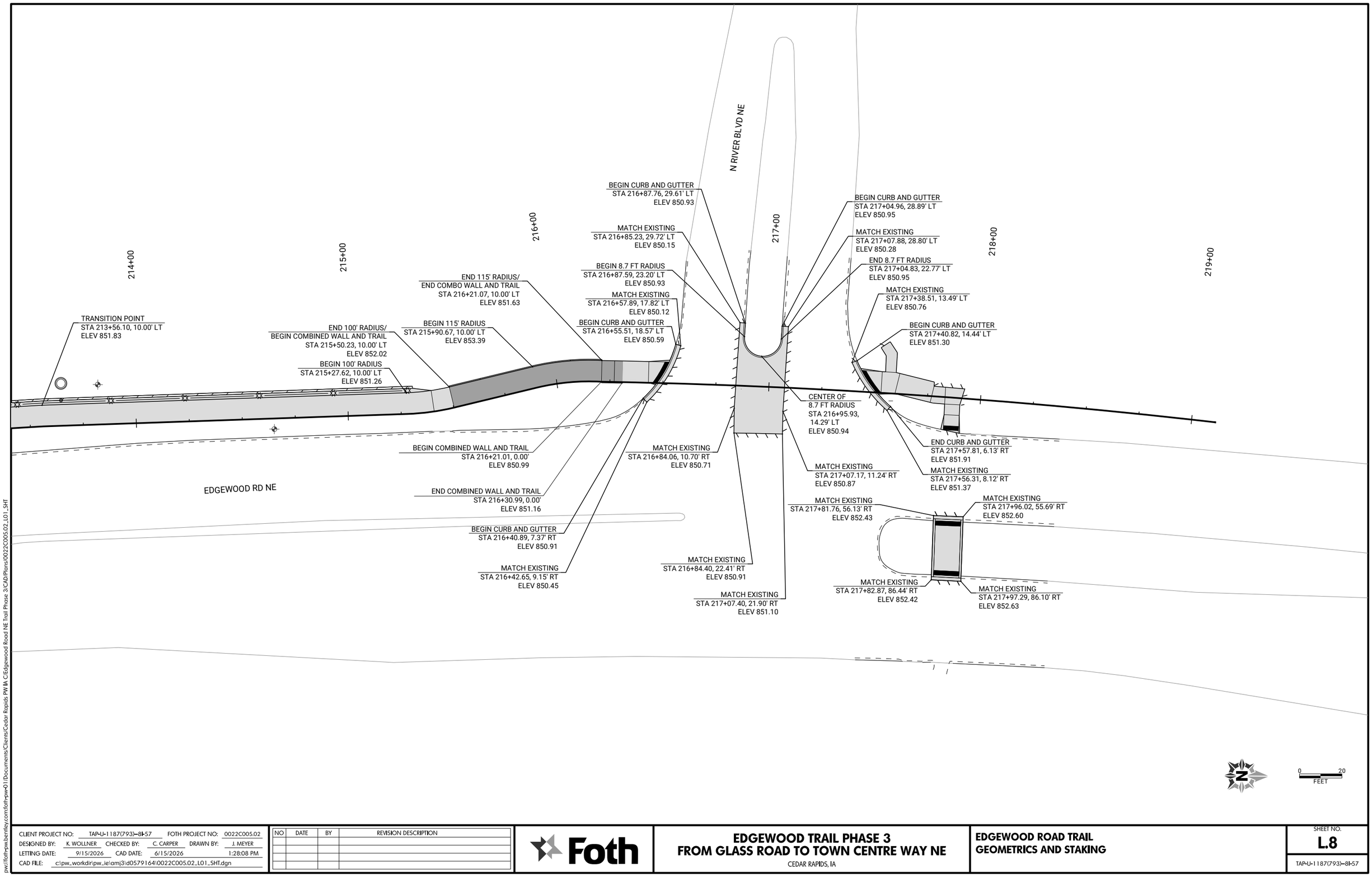
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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
GEOMETRICS AND STAKING

SHEET NO.
L.7
TAP-U-1187(793)--81-57



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CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: J. MEYER
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NO	DATE	BY	REVISION DESCRIPTION

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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE

CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
GEOMETRICS AND STAKING

SHEET NO.
L.8
TAP-U-1187(793)--8I-57

CROSS POINTE BLVD NE

300+00

301+00

302+00

303+00

304+00

TIE INTO EXISTING
STA 301+21.41, 10.00' LT
ELEV 834.73

BEGIN 1190' RADIUS
STA 302+60.65, 10.00 LT
ELEV 833.22

END 1190' RADIUS
STA 304+67.20, 10.00' LT
ELEV 833.76

TIE INTO EXISTING
STA 304+46.06, 8.86' LT
ELEV 833.08

TIE INTO EXISTING
STA 304+45.62. 1.13' RT
ELEV 833.40

EDGEWOOD RD NE

0 20
FEET

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CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: J. MEYER
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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
GEOMETRICS AND STAKING

SHEET NO.
L.9
TAP-U-1187(793)--8I-57

STORM SEWER

* Bid Item

INTAKES AND UTILITY ACCESSES

Structure Number	Location		*Type or Standard Road Plan	Rim/Form Grade Elevation	Bottom Well Elevation	Notes
	Station	Offset				
S-1	114+45.00	24.70 RT	SW-541	857.98	852.48	WITH SW-542 EXTENTION
S-2	111+82.84	10.00 RT	SW-541	849.25	844.10	WITH SW-542 EXTENTION
S-3	111+81.19	21.20 LT	SW-401 (60)	848.40	843.76	INSTALL GRATE CASTING
S-4	111+17.39	22.37 LT	DR-201 (24)	843.51		INSTALL 32 TON EROSION STONE AT OUTLET
S-5	109+23.52	10.00 RT	SW-507	840.82	836.40	
S-6	106+65.22	10.00 RT	SW-507	833.71	829.08	
S-7	105+28.25	46.16 RT	SW-512 (24 TYPE 4B)	832.36	827.61	
S-8	105+27.75	10.00 RT	SW-507	831.41	826.66	CONNECT EXISTING PIPE
S-9	103+26.41	10.00 RT	SW-507	829.80	824.76	
S-10	101+52.55	50.27 RT	SW-507 MODIFIED	829.78	823.42	OPEN THROAT ON BOTH SIDES
S-11	101+50.60	10.00 RT	SW-507	828.65	822.93	
S-12	101+09.85	21.53 LT	DR-201 (18)	821.97		INSTALL 43 TON EROSION STONE AT OUTLET
S-13	117+09.12	3.00 RT	SW-401 (48)	863.89	857.44	
S-14	131+79.08	19.96 LT	SW-401 (48)	843.62	838.10	
S-16	204+74.72	11.06 RT	SW-509	861.04	857.84	
S-16B	206+00.79	4.68 RT	SW-512 (24 TYPE 4B)	854.84	854.34	
S-17	206+38.02	18.08 RT	SW-509	858.36	854.06	
S-18	209+24.99	10.27 RT	SW-509	854.54	850.73	
		TOTAL:	DR-201 (18)	1		
			DR-201 (24)	1		
			SW-401 (48)	2		
			SW-401 (60)	1		
			SW-507	5		
			SW-507 MODIFIED	1		
			SW-509	3		
			SW-512 (24 TYPE 4B)	2		
			SW-541	2		
			SW-542	2		

PIPES

Design Length, Slope, and Flowlines are calculated from inside wall to inside wall along CL of pipe.
An additional 2 ft length is added to each side of the Design Length to account for the estimated length to the center of structures.

Line Number	Intake/Utility Access Number		Class	Pipe Size	Bid* Length	Design Length	Slope %	Flow Lines			Pipe Profile Sheet Number	Notes
	From	To		Inches	Feet	Feet		Inlet Elevation	Outlet Elevation	Other Elevation		
P-1	S-1	S-2	2000D	24	261	257.0	3.22	852.98	844.70		M.4	O-RING GASKETS
P-2	S-2	S-3	2000D	24	32	28.3	0.85	844.60	844.36		M.4	O-RING GASKETS
P-3	S-3	S-4	2000D	24	59	54.9	1.36	844.26	843.51		M.4	
P-5	S-5	S-6	2000D	15	258	254.4	2.79	836.90	829.68		M.3	
P-6	S-6	S-8	2000D	15	138	134.1	1.65	829.58	827.36		M.3	
P-7	S-7	S-8	2000D	15	40	36.2	1.50	828.11	827.58		M.8	
P-8	S-8	S-9	2000D	18	202	198.3	0.91	827.16	825.36		M.2	
P-9	S-9	S-11	2000D	18	179	175.0	0.98	825.26	823.53		M.2	O-RING GASKETS
P-10	S-10	S-11	2000D	15	43	39.0	1.00	823.92	823.53		M.7	
P-11	S-11	S-12	2000D	18	47	42.6	3.42	823.43	821.97		M.2	O-RING GASKETS
P-12	S-13	EXISTING	2000D	15	12	8.0	3.01	857.94	857.70			FIELD VERIFY EXISTING ELEVATION AND SLOPE
P-13	EXISTING	S-14	2000D	24	12	8.0	2.49	838.96	838.81		M.5	FIELD VERIFY EXISTING ELEVATION AND SLOPE
P-16	S-16	S-17	2000D	15	157	152.8	1.75	857.34	854.66		M.6	
P-16B	S-16B	S-17	2000D	15	40	35.6	0.51	854.84	854.66		M.8	
P-17	S-17	S-18	2000D	15	285	280.8	1.33	854.56	850.83		M.6	
P-18	S-18	EXISTING	2000D	15	285	281.0	1.00	850.73	847.91		M.6	
			TOTAL:	15	1258							
				18	428							
				24	364							

CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
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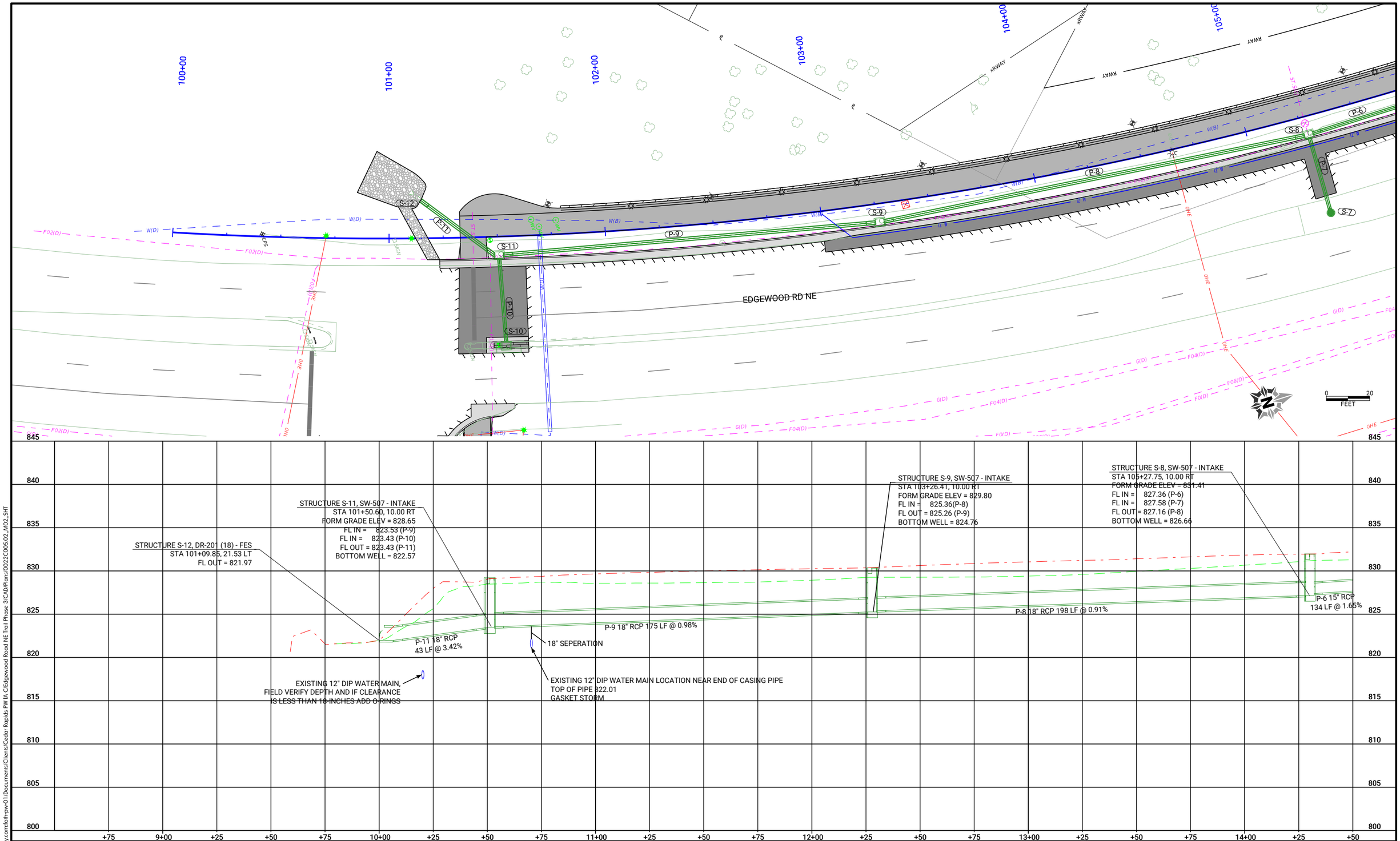
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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

STORM SEWER TABULATION

SHEET NO.
M.1
TAP-U-1187(793)--8I-57

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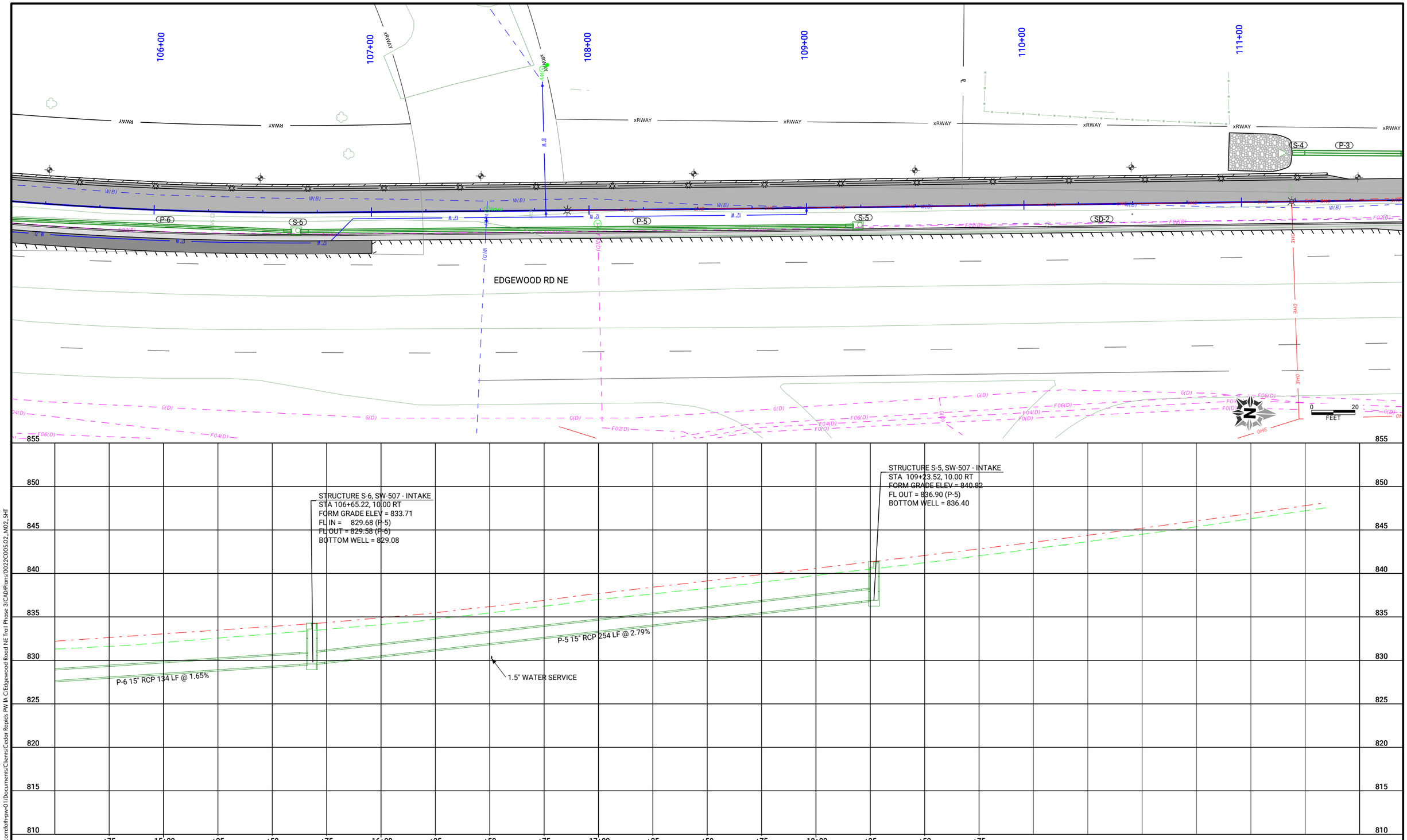
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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
STORM SEWER PLAN AND PROFILE

SHEET NO.
M.2
TAP-U-1187(793)--8I-57

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CLIENT PROJECT NO:	TAP-U-1187(793)--8I-57	FOTH PROJECT NO: 0022C005.02
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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
STORM SEWER PLAN AND PROFILE

SHEET NO.
M.3
TAP-U-1187(793)--8I-57

111+00
112+00
113+00
114+00
115+00
116+00
117+00

EDGEWOOD RD NE

xRWAY
TEMP/E
P-1
P-2
P-3
S-1
S-2
S-3
S-4
SD-1
SD-2
CO-1

P-12 15" RCP 8' @ 3.01%

STRUCTURE S-13, SW-401 (48) - MANHOLE
STA 117+09.12, 3.00 RT
RIM ELEV = 863.89
FL IN = 858.62 (EXISTING)
FL OUT = 857.94 (P-12)
BOTTOM WELL = 857.44

0 20 FEET

875
870
865
860
855
850
845
840
835
830

STRUCTURE S-4, DR-201 (24) - FES
STA 111+17.39, 22.37 LT
FL OUT = 843.51

STRUCTURE S-3, SW-401 (50) - MANHOLE
STA 111+81.19, 21.20 LT
RIM ELEV = 848.59
FL IN = 844.36 (P-2)
FL OUT = 844.26 (P-3)
BOTTOM WELL = 843.76

STRUCTURE S-2, SW-541 WITH SW-542 EXTENSION - INTAKE
STA 111+82.84, 10.00 RT
FORM GRADE ELEV = 849.59
FL IN = 844.70 (P-1)
FL OUT = 844.60 (P-2)
BOTTOM WELL = 844.10

STRUCTURE S-1, SW-541 WITH SW-542 EXTENSION - INTAKE
STA 114+45.00, 24.70 RT
FORM GRADE ELEV = 857.98
FL OUT = 852.98 (P-1)
BOTTOM WELL = 852.48

P-3 24" RCP 55 LF @ 1.36%
P-2 24" RCP 28 LF @ 0.85%
P-1 24" RCP 257 LF @ 3.22%
9" OF SEPERATION
17" OF SEPERATION
EXISTING 12" DIP WATER MAIN, TOP OF WATER PIPE = 843.70 GASKET STORM MAINTAIN MINIMUM OF 6" SEPERATION
EXISTING 8" DIP WATER MAIN WITH 16" CASING PIPE, WATER MAIN AT 844.71 GASKET STORM

+75 21+00 +25 +50 +75 22+00 +25 +50 +75 23+00 +25 +50 +75 24+00 +25 +50 +75 25+00 +25 +50 +75

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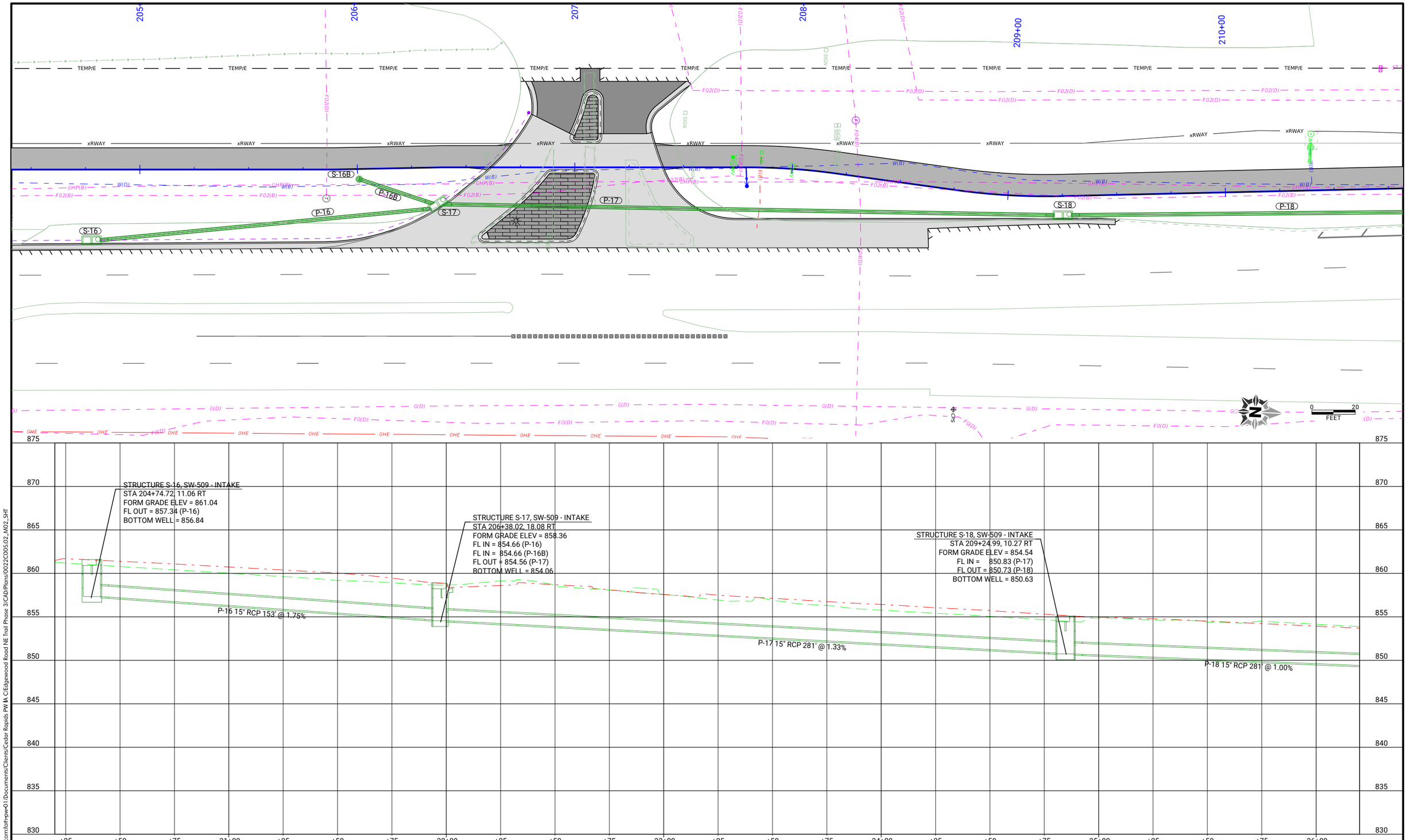
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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
STORM SEWER PLAN AND PROFILE

SHEET NO.
M.4
TAP-U-1187(793)--8I-57



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LETTING DATE: 9/15/2026 CAD DATE: 6/16/2026 3:18:11 AM
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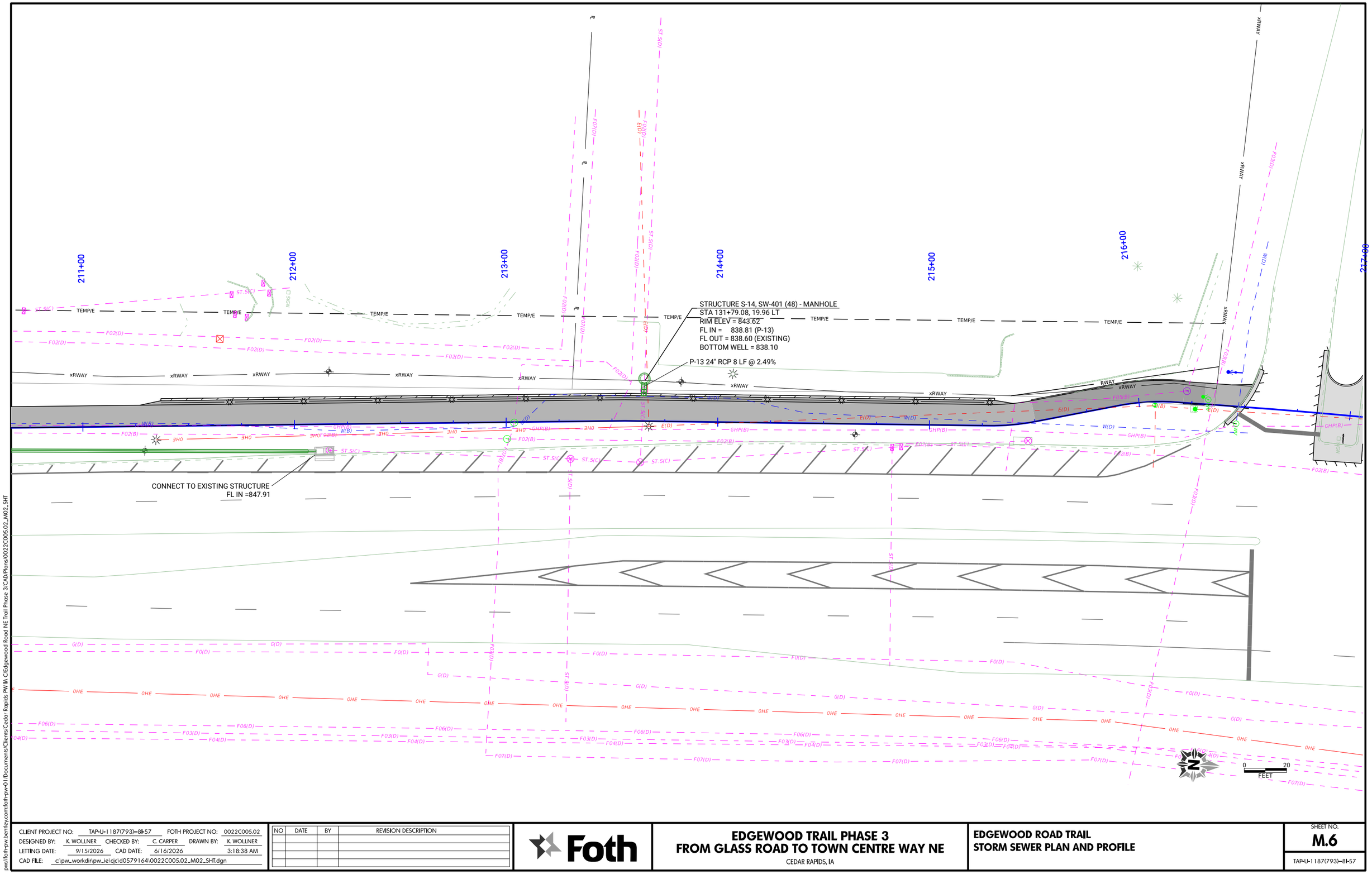
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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
STORM SEWER PLAN AND PROFILE

SHEET NO.
M.5
TAP-U-1187(793)--8I-57

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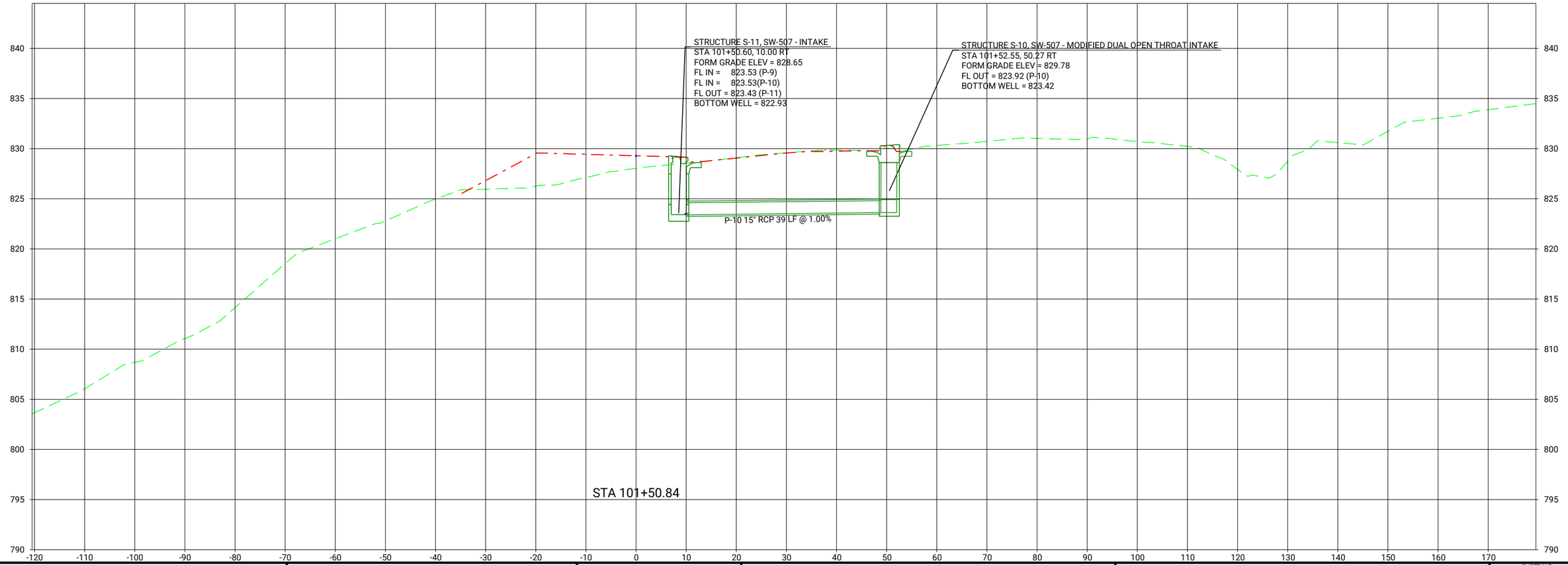
EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE

CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
STORM SEWER PLAN AND PROFILE

SHEET NO.
M.6
TAP-U-1187(793)--8I-57

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LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 1:52:59 PM
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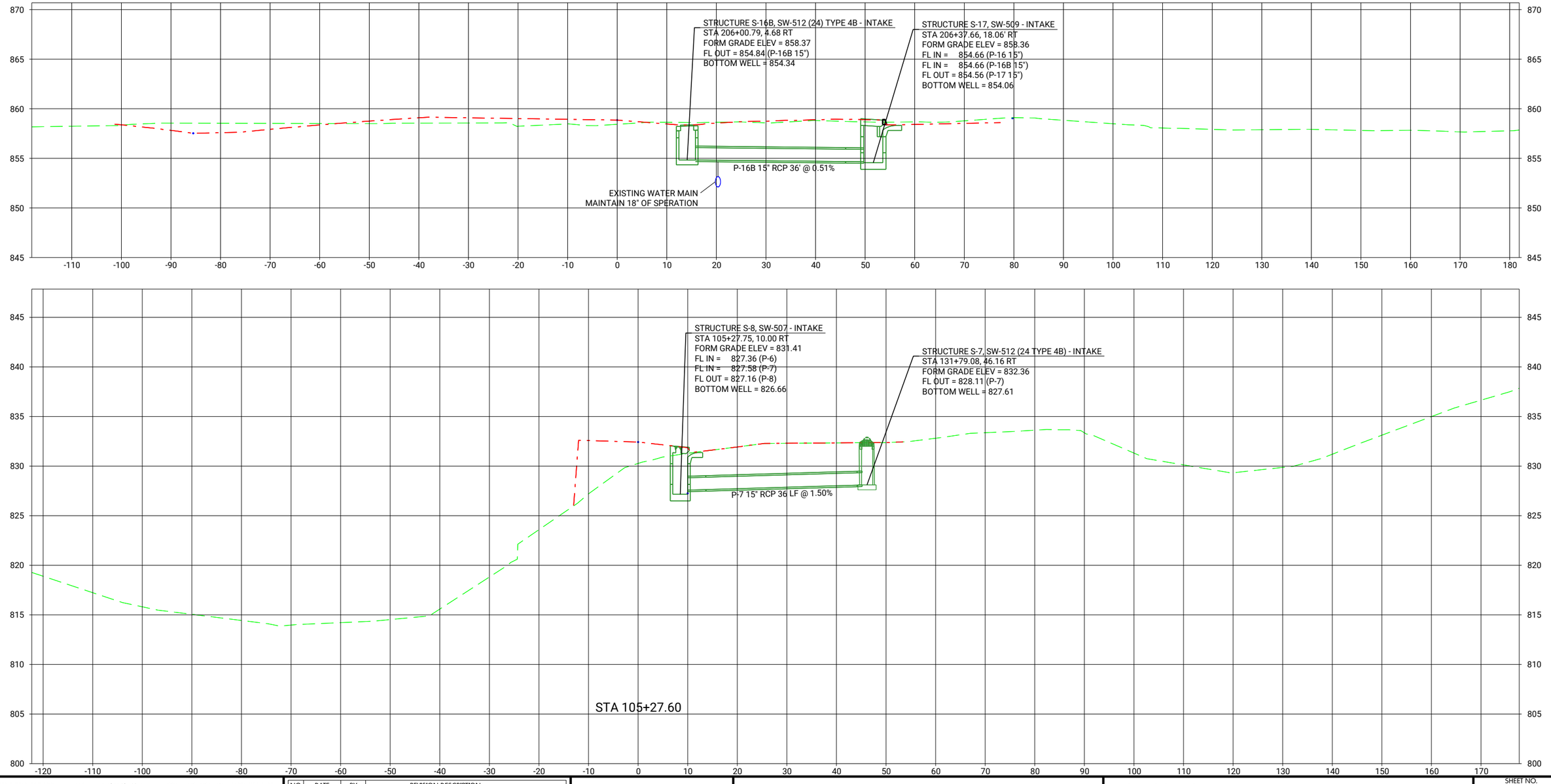
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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE

CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
STORM SEWER CROSS SECTIONS

SHEET NO.
M.7
TAP-U-1187(793)--8I-57



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LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 1:53:00 PM
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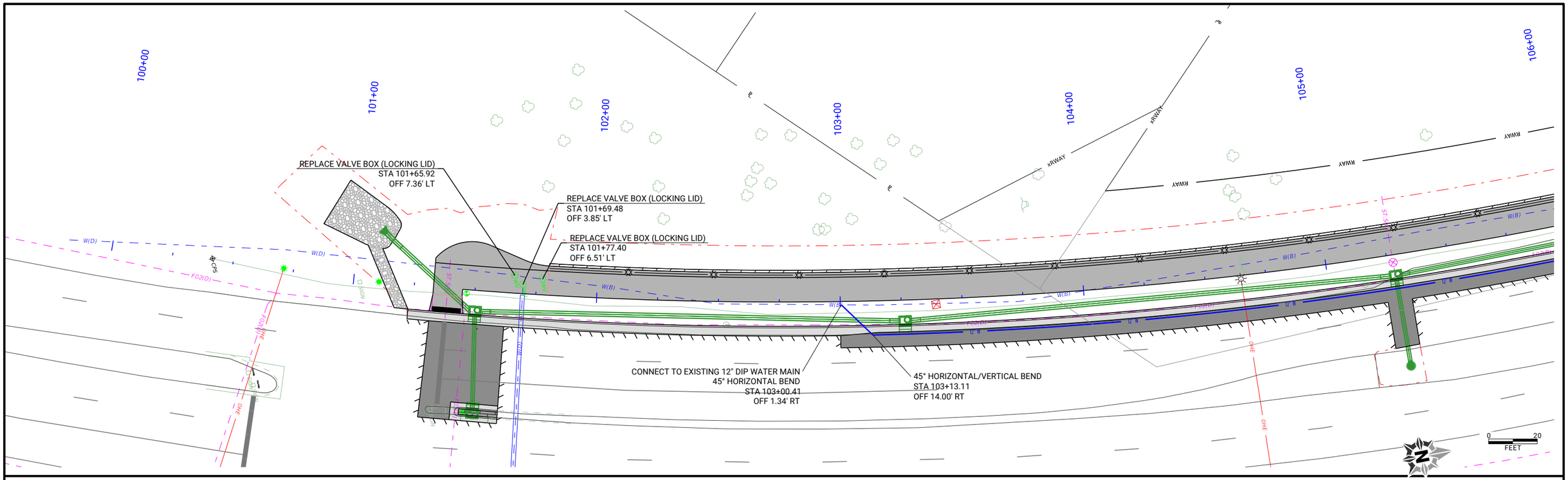
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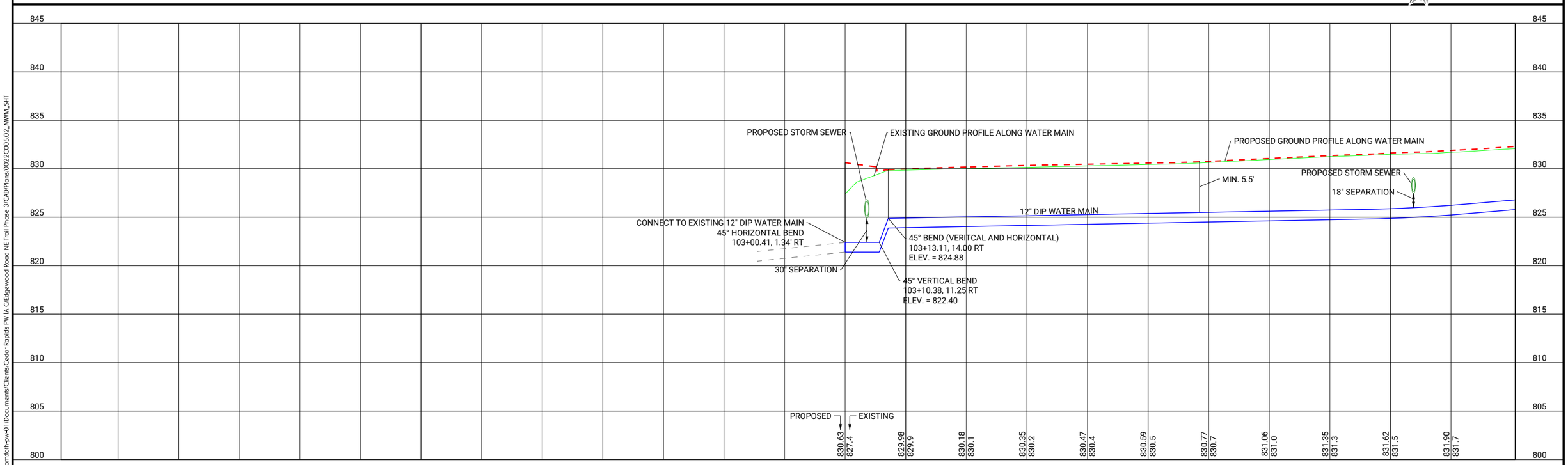
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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
STORM SEWER CROSS SECTIONS

SHEET NO.
M.8
TAP-U-1187(793)--8I-57





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DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 11:34:53 PM
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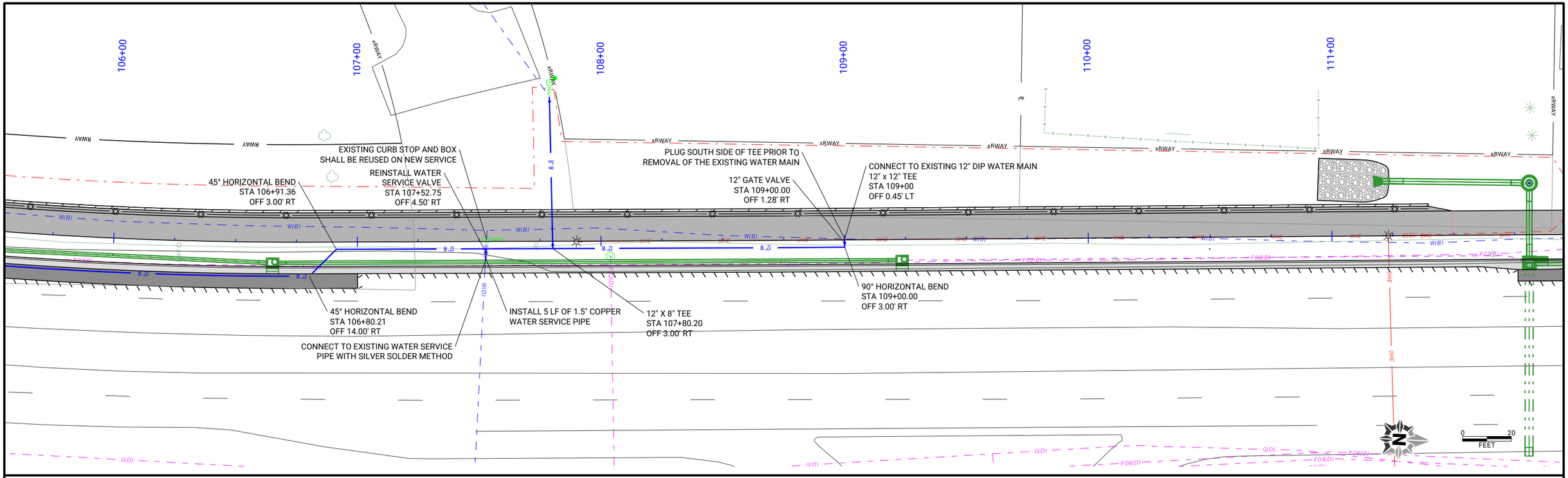
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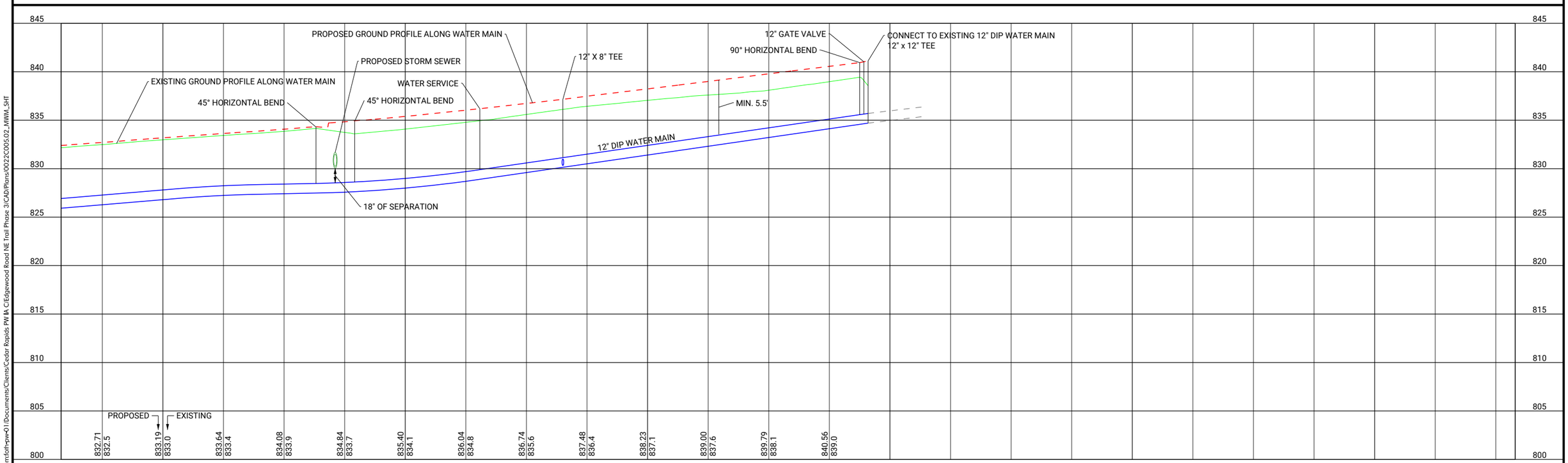
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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD RD TRAIL
WATERMAIN

SHEET NO.
MWM.1
TAP-U-1187(793)--8I-57





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LETTING DATE:	9/15/2026	CAD DATE: 6/15/2026 11:40:18 PM
CAD FILE:	c:\pw_workdir\pw_ie\cjc\d0579164\0022C005.02_MWM_SHT.dgn	

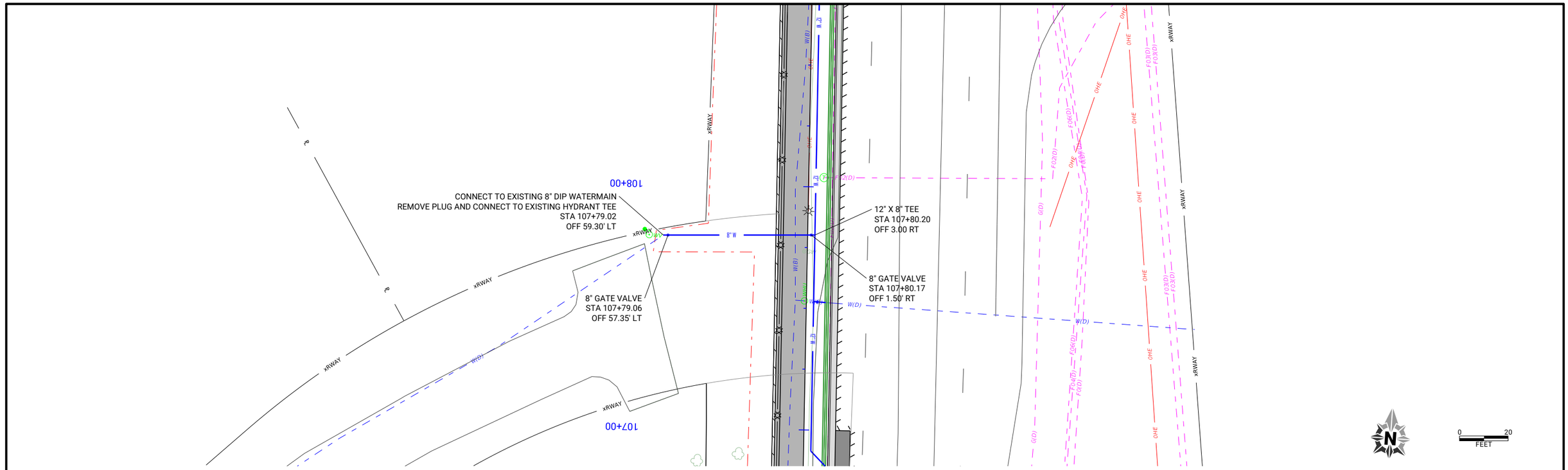
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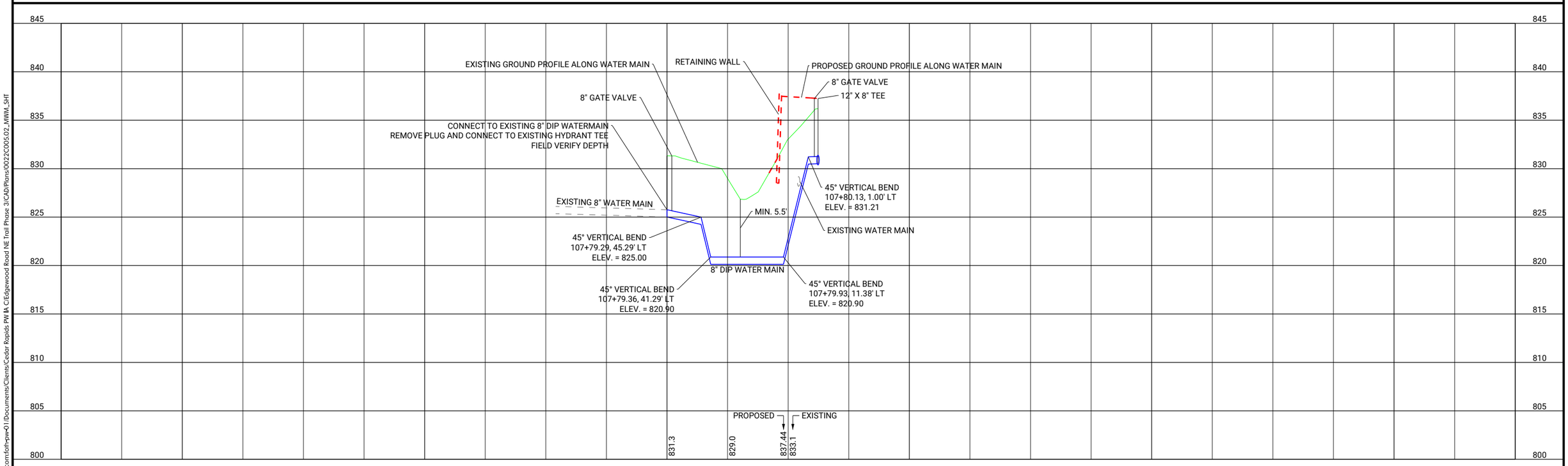
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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD RD TRAIL
WATERMAIN

SHEET NO.
MWM.2
TAP-U-1187(793)--8I-57





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LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 11:32:54 PM
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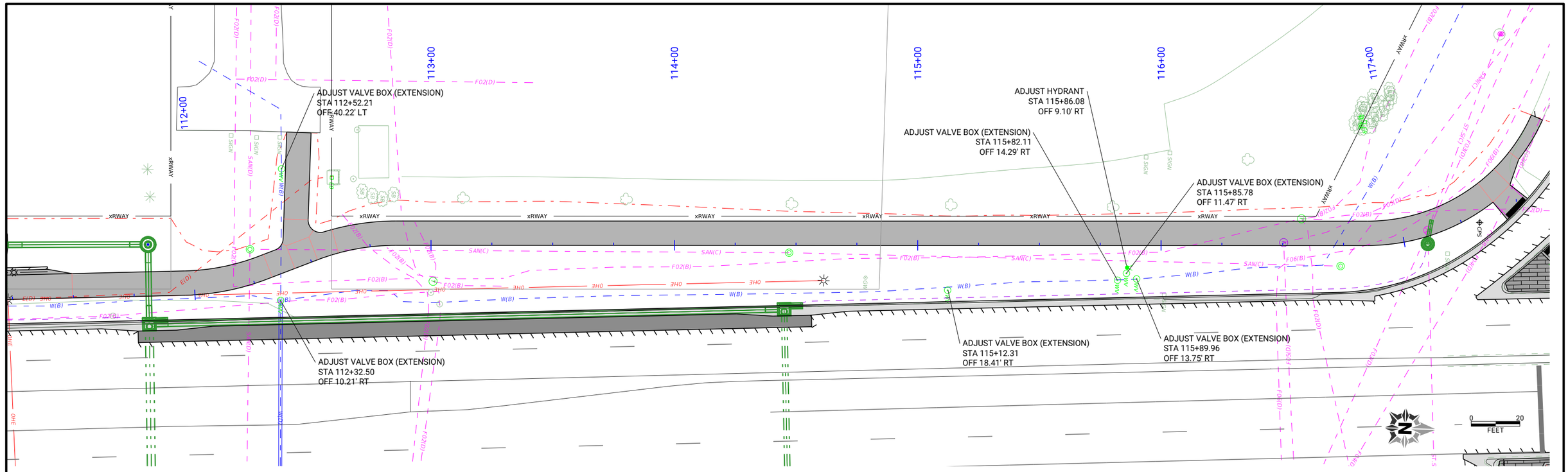
EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE

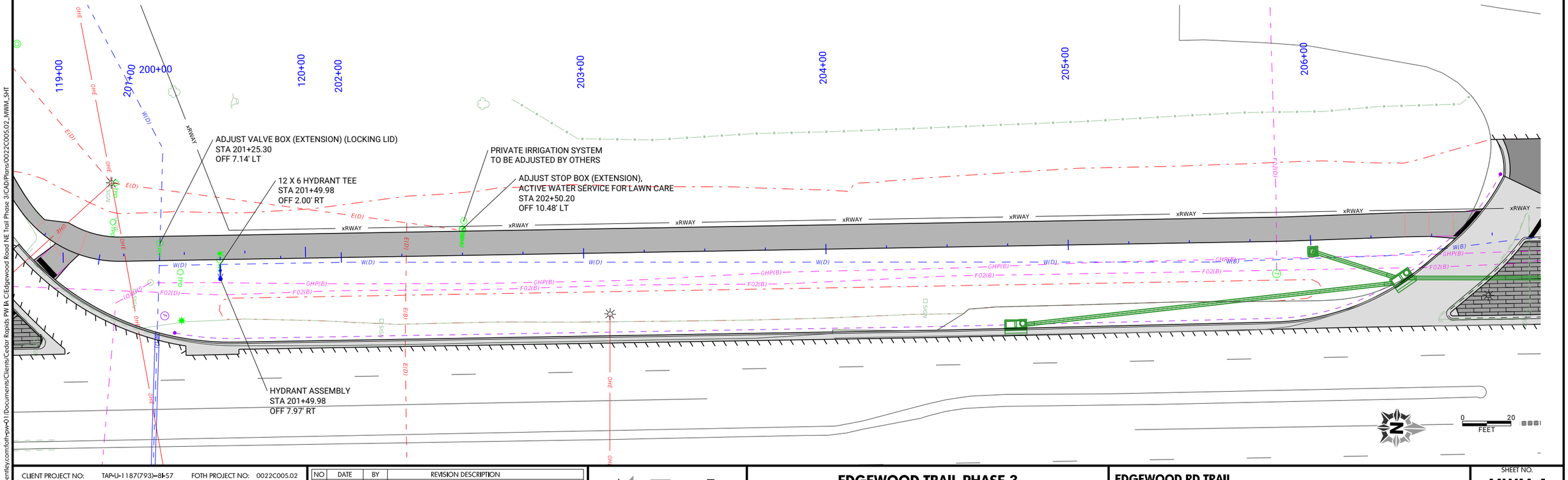
CEDAR RAPIDS, IA

EDGEWOOD RD TRAIL
WATERMAIN

SHEET NO.
MWM.3
TAP-U-1187(793)--8I-57

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LETTING DATE:	9/15/2026	CAD DATE:	6/16/2026 3:26:50 AM
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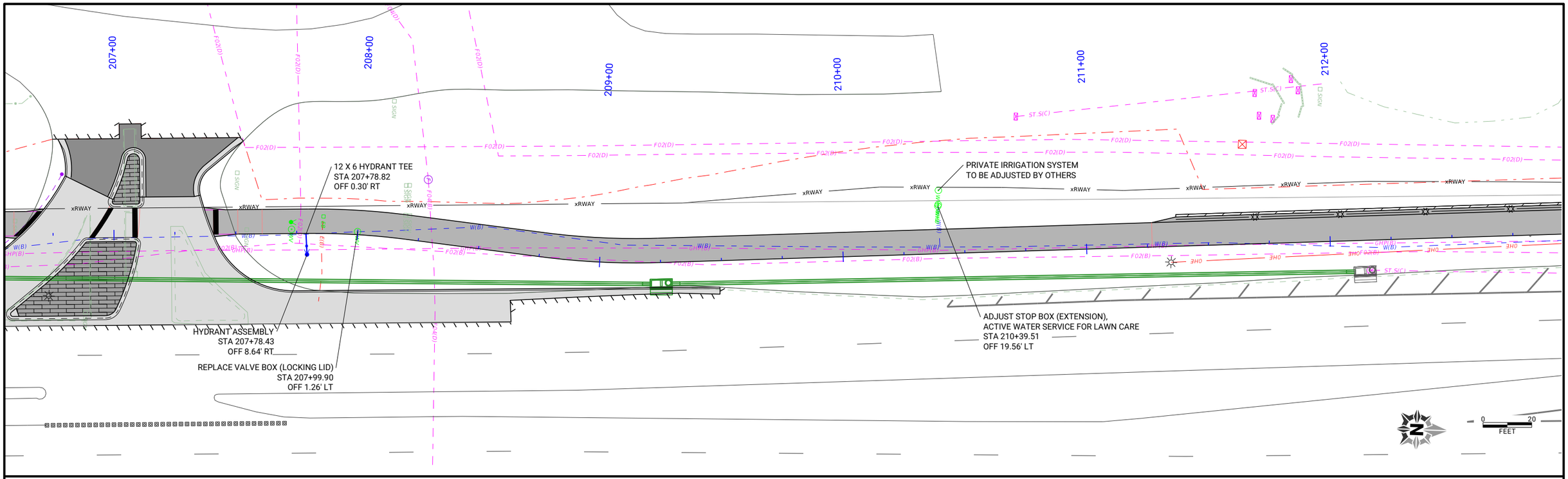
EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE

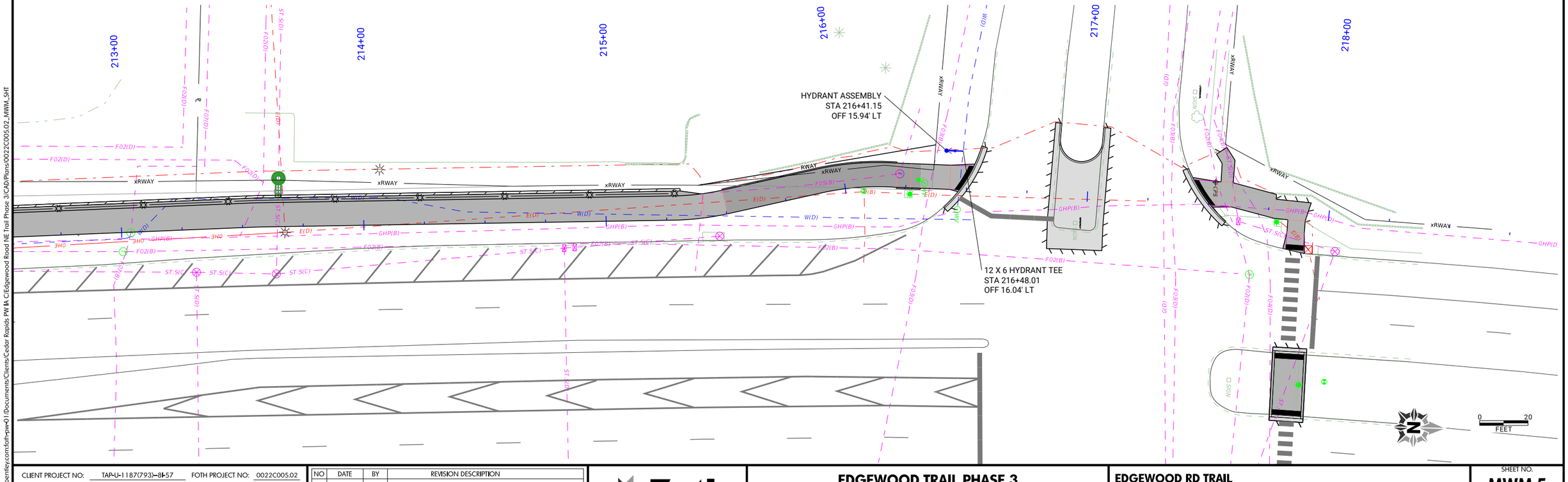
CEDAR RAPIDS, IA

EDGEWOOD RD TRAIL
WATERMAIN

SHEET NO.
MWM.4
TAP-U-1187(793)--8I-57

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DRAWN BY:	K. WOLLNER		
LETTING DATE:	9/15/2026	CAD DATE:	6/16/2026 3:27:12 AM
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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE

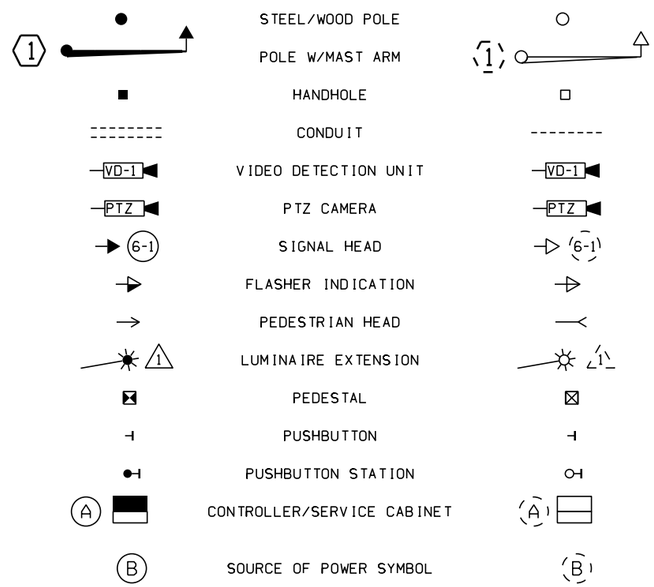
CEDAR RAPIDS, IA

EDGEWOOD RD TRAIL
WATERMAIN

SHEET NO.
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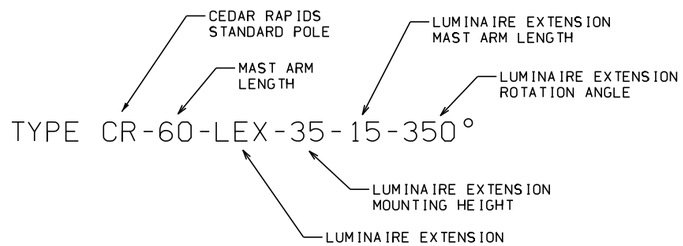
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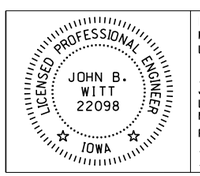
TRAFFIC SIGNAL LAYOUT LEGEND



TRAFFIC SIGNAL POLE NOTES:

1. DISTANCES REFERENCED IN TRAFFIC SIGNAL POLE NOTES ARE MEASURED FROM THE END OF THE MAST ARM TOWARDS THE POLE. THE END OF THE MAST ARM IS 0'.
2. ANGLES REFERENCED IN TRAFFIC SIGNAL POLE NOTES MEASURE FROM THE MAST ARM SIDE OF POLE BEING 0° AND ROTATING CLOCKWISE AROUND THE POLE.





I HEARBY CERTIFY THAT THIS ENGINEERING DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF IOWA.

John B. Witt 06-12-2026

JOHN B. WITT, P.E. Date

LICENSE NUMBER 22098

MY LICENSE RENEWAL DATE IS DECEMBER 31, 2027

PAGES OR SHEETS COVERED BY THIS SEAL:

N SHEETS

TRAFFIC SIGNAL SHEETS INDEX

SECTION	SHEETS
TRAFFIC SIGNAL DETAILS	N.1 - N.11
SIGNAL SYSTEM A - EDGEWOOD ROAD NE AT GLASS ROAD NE	N.12 - N.15
SIGNAL SYSTEM B - EDGEWOOD ROAD NE AT 42ND ST NE	N.16
SIGNAL SYSTEM C - EDGEWOOD ROAD NE AT NORTH RIVER BOULEVARD NE	N.17

ESTIMATED TRAFFIC SIGNAL SYSTEM QUANTITIES*

ITEM**	UNIT	TRAFFIC SIGNAL SYSTEM A EDGEWOOD RD NE AT GLASS RD NE	TRAFFIC SIGNAL SYSTEM B EDGEWOOD RD NE AT 42ND ST NE	TRAFFIC SIGNAL SYSTEM C EDGEWOOD RD NE AT N RIVER BLVD NE
TRAFFIC SIGNAL POLE, 30' MAST ARM, AND LUMINAIRE EXTENSION	EACH	1	0	0
TRAFFIC SIGNAL POLE, 40' MAST ARM, AND LUMINAIRE EXTENSION	EACH	2	0	0
STEEL LIGHT POLE (35' MOUNTING HEIGHT) WITH 15' ARM AND TRANSFORMER BASE	EACH	1	0	0
REINSTALL SALVAGED TRAFFIC SIGNAL PEDESTAL POLE AND BASE	EACH	0	0	1
TYPE A FOUNDATION (35' MAX)	EACH	1	0	0
TYPE A FOUNDATION (45' MAX)	EACH	2	0	0
TYPE A LIGHTING FOUNDATION	EACH	1	0	0
TRAFFIC SIGNAL PEDESTAL FOUNDATION	EACH	0	0	1
PEDESTRIAN PUSH BUTTON STATION FOUNDATION	EACH	3	4	4
CONTROLLER CABINET AND SERVICE CABINET FOUNDATION	EACH	1	0	0
SERVICE CABINET FOUNDATION	EACH	0	1	0
12/C#14 CABLE	FT	815	0	0
7/C#14 CABLE	FT	780	0	0
4/C#14 CABLE	FT	505	0	1240
3/C#14 CABLE	FT	820	0	0
2/C#14 CABLE	FT	350	765	1565
1/C#6 CABLE	FT	50	50	0
1/C#6 CABLE (INS. GRD.)	FT	395	0	0
1/C#2 CABLE	FT	275	310	0
CAT6 CABLE	FT	730	75	50
4" CONDUIT	FT	305	0	0
3" CONDUIT	FT	55	5	0
2" CONDUIT	FT	170	75	10
1" CONDUIT	FT	55	55	115
QUAZITE CYLINDRICAL HANDHOLE	EACH	5	0	0
VIDEO/RADAR DETECTION SYSTEM (3 UNITS AND CABINET HARDWARE)	EACH	1	0	0
145W LED LUMINAIRE	EACH	4	0	0
MAST ARM AND POLE MOUNTED SIGNS	SQ FT	87	0	0
TRAFFIC SIGNAL SERVICE CABINET WITH BATTERY BACKUP SYSTEM	EACH	1	0	0
TRAFFIC SIGNAL SERVICE CABINET	EACH	0	1	0
TRAFFIC SIGNAL CONTROLLER CABINET	EACH	1	0	0
APS PUSHSBUTTIONS	EACH	4	4	5
PEDESTRIAN PUSH BUTTON STATION	EACH	3	4	4
LED PEDESTRIAN COUNTDOWN TIMER	EACH	4	4	6
3-SECTION LED SIGNAL HEAD (RED BALL, YELLOW BALL, GREEN BALL)	EACH	5	0	0
3-SECTION LED SIGNAL (RED LEFT ARROW, YELLOW LEFT ARROW, GREEN LEFT ARROW)	EACH	2	0	0
4-SECTION LED SIGNAL HEAD (RED LEFT ARROW, YELLOW LEFT ARROW, FLASHING YELLOW LEFT ARROW, GREEN LEFT ARROW)	EACH	2	0	0
4-SECTION LED SIGNAL HEAD (RED RIGHT ARROW, YELLOW RIGHT ARROW, FLASHING YELLOW RIGHT ARROW, GREEN RIGHT ARROW)	EACH	3	0	0
PTZ OBSERVATION CAMERA	EACH	1	0	0
BLUETOOTH TRAVEL TIME DEVICE	EACH	1	1	1
GROUND RODS (8' x 5/8")	EACH	6	0	0
REMOVE AND SALVAGE TRAFFIC SIGNAL PEDESTAL POLE AND BASE	EACH	ALL REMOVAL ITEMS FOR TRAFFIC SIGNAL SYSTEM A ARE ASSOCIATED WITH THE LUMP SUM TRAFFIC SIGNAL REMOVAL ITEM. SEE NOTES ON SHEET N.12.	0	1
REMOVE PEDESTRIAN INDICATION	EACH		4	4
REMOVE PEDESTRIAN PUSHBUTTON AND SIGN	EACH		4	3
REMOVE POLE MOUNTED SERVICE AND METER	EACH		1	0
ADJUST HANDHOLE	EACH	0	1	1

*ALL QUANTITIES SHOWN IN THIS TABLE ARE FOR INFORMATIONAL PURPOSES ONLY. THE CONTRACTOR'S LUMP SUM BIDS FOR THESE ITEMS SHALL INLCUDE ALL LABOR, TOOLS, EQUIPMENT, AND MATERIALS NECESSARY TO PROVIDE A COMPLETE AND FUNCTIONAL TRAFFIC SIGNAL INSTALLATION IN CONFORMANCE WITH THE PLANS AND SPECIFICATIONS.

**ALL ITEMS ARE FURNISH AND INSTALL UNLESS OTHERWISE NOTED.

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CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: J. WITT CHECKED BY: J. WITT DRAWN BY: J. MEYER
LETTING DATE: 9/15/2026 CAD DATE: 6/16/2026 3:33:18 AM
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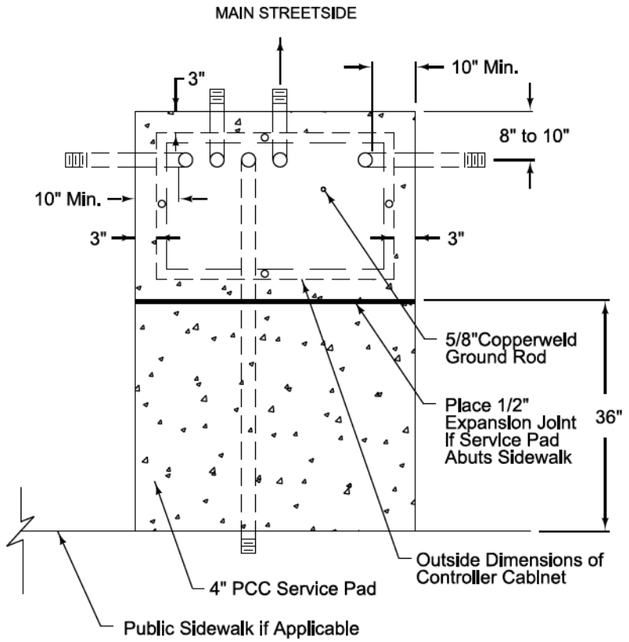
NO	DATE	BY	REVISION DESCRIPTION

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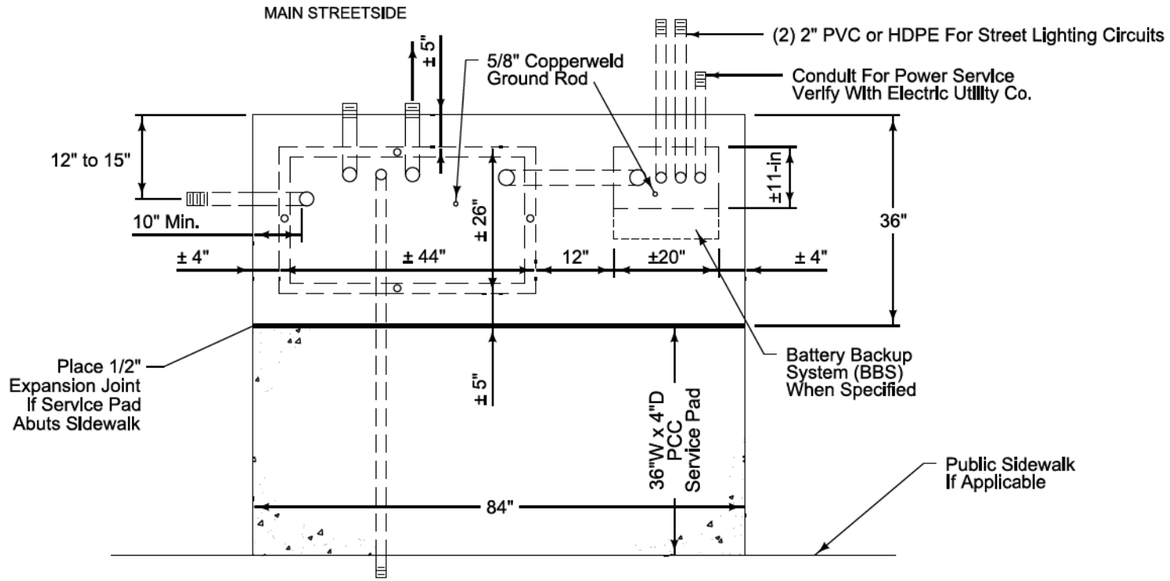
EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

TRAFFIC SIGNAL DETAILS
SHEET INDEX & GENERAL NOTES

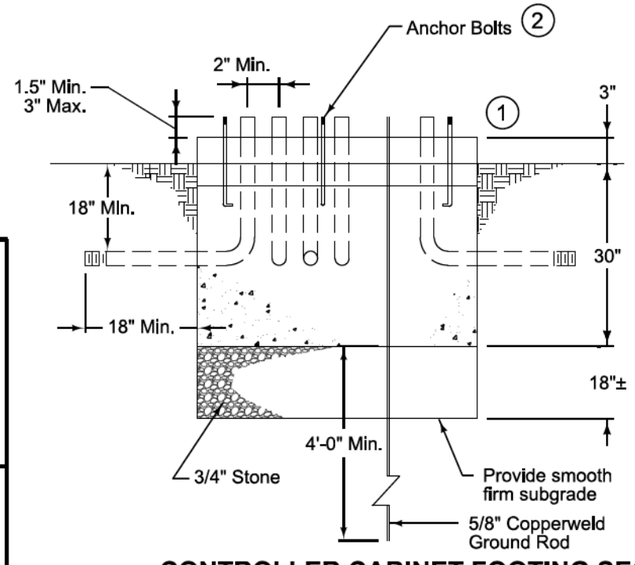
SHEET NO.
N.1
TAP-U-1187(793)--8I-57



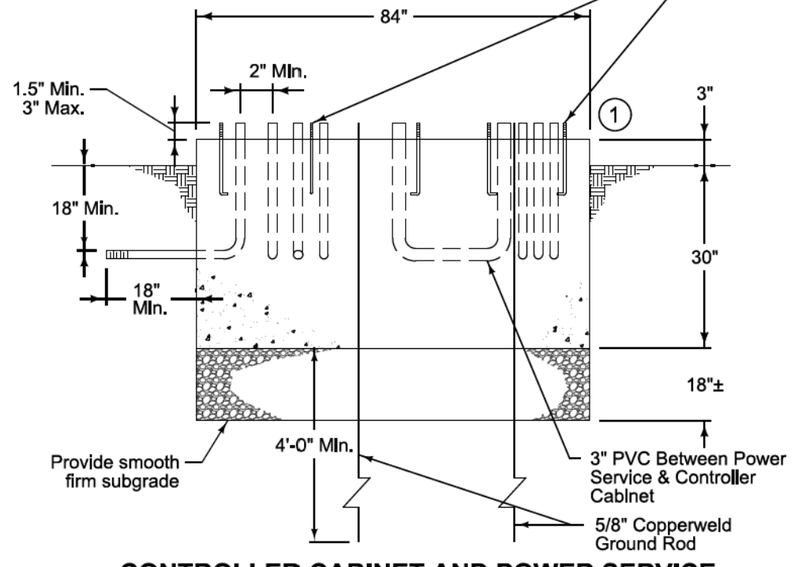
CONTROLLER CABINET FOOTING PLAN



CONTROLLER CABINET AND POWER SERVICE FOOTING PLAN



CONTROLLER CABINET FOOTING SECTION



CONTROLLER CABINET AND POWER SERVICE FOOTING SECTION

1. Shape top 12 inches with forms.
2. Placement of anchor bolts according to manufacturers recommendations.
3. See plans for number and size of conduits

FIGURE 8010.101

SHEET 1 OF 1

CEDAR RAPIDS
City of Five Seasons®

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8010.101

SHEET 1 OF 1

Cedar Rapids General Supplemental Specifications To SUDAS

CABINET FOOTING DETAILS

pw://foth-pw.bentley.com:foth-pw-01/Documents/Clients/Cedar Rapids PW IA C/Edgewood Road NE Trail Phase 3/CAD/Plans/0022C005.02_N02_SHT.dgn

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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

TRAFFIC SIGNAL DETAILS

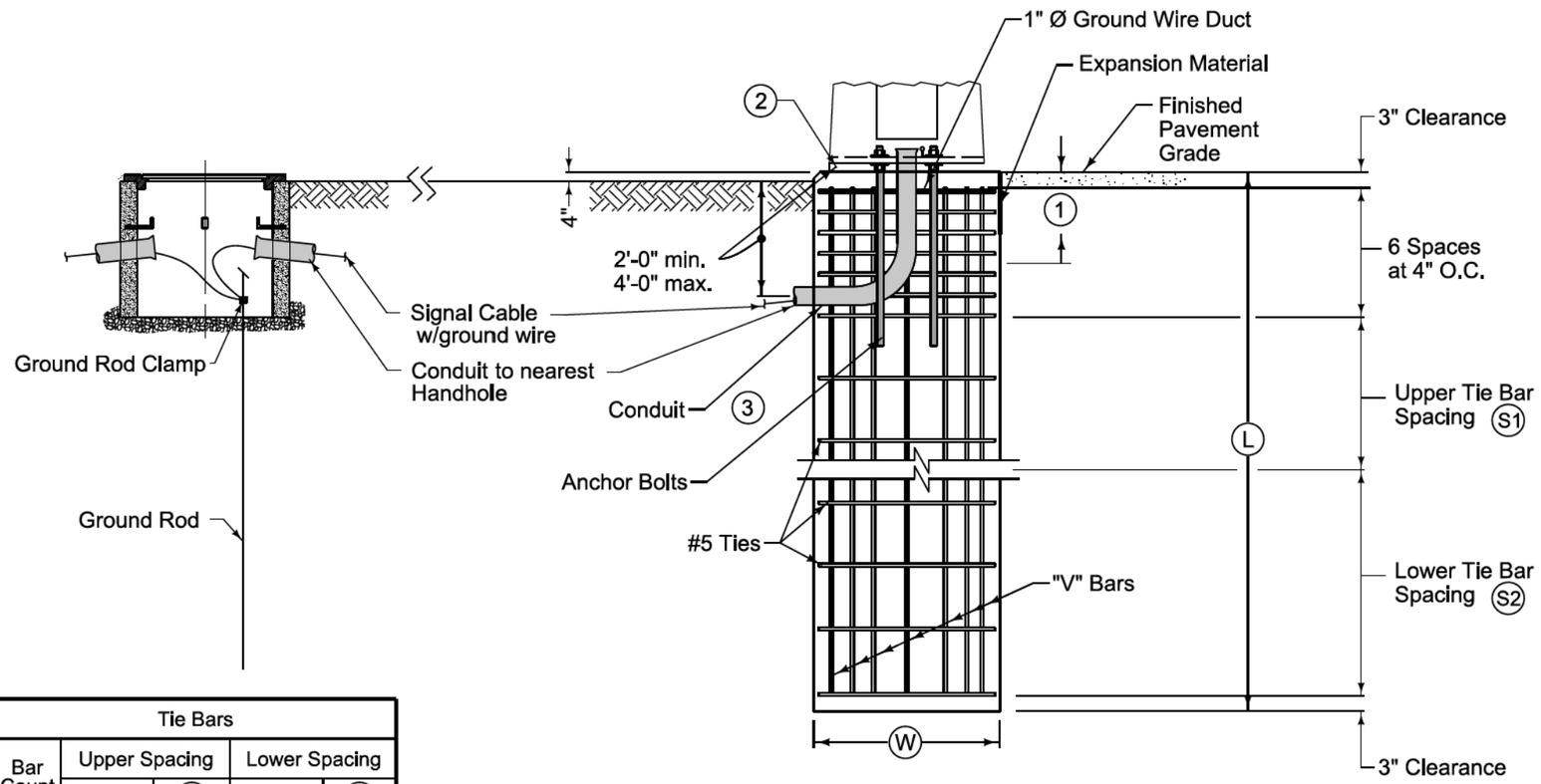
SHEET NO.
N.2
TAP-U-1187(793)--8I-57

The Type A Foundation is the normally required foundation construction. Where rock is encountered, the Engineer may approve the use of Type B or C Foundation. Prior to installing a foundation in rock, obtain a subsurface investigation certified by a geotechnical engineer licensed in the State of Iowa

(1) Shape top 11 inches with forms.

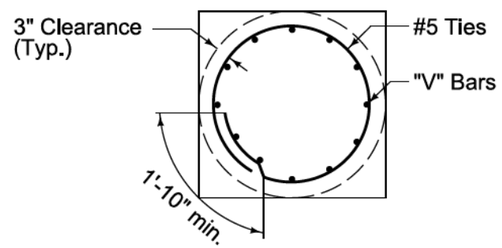
(2) Install rodent guard or non-shrink grout with weep hole.

(3) Furnish nut, nut and plate, or nut and anchor bolt assembly ring plate on embedded end.



MAST ARM POLE FOUNDATION IN SOIL
TYPE A FOUNDATION

Max. Mast Arm Length	Foundation		"V" Bars			Tie Bars				
							Upper Spacing		Lower Spacing	
	(W)	(L)	Count	Size	Length	Bar Count	# Spaces	(S1)	# Spaces	(S2)
35'-0"	3'-0"	12'-0"	12	8	11'-6"	17	9	12"	N/A	N/A
45'-0"	3'-0"	14'-0"	12	8	13'-6"	19	11	12"	N/A	N/A
55'-0"	3'-0"	16'-0"	12	8	15'-6"	25	12	8"	5	12"
60'-0"	3'-0"	18'-0"	13	8	17'-6"	28	15	8"	5	12"
70'-0"	3'-6"	18'-0"	12	10	17'-6"	28	15	8"	5	12"
80'-0"	3'-6"	21'-0"	14	10	20'-6"	40	22	6"	10	8"
90'-0"	4'-0"	22'-0"	16	10	21'-6"	42	24	6"	10	8"
100'-0"	4'-0"	24'-0"	18	10	23'-6"	47	32	6"	7	8"



PLAN VIEW

CEDAR RAPIDS
City of Five Seasons

REVISION	
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8010.102

SHEET 1 OF 4

Cedar Rapids General Supplemental Specifications To SUDAS

TRAFFIC SIGNAL POLE FOUNDATION

FIGURE 8010.102

SHEET 1 OF 4

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CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
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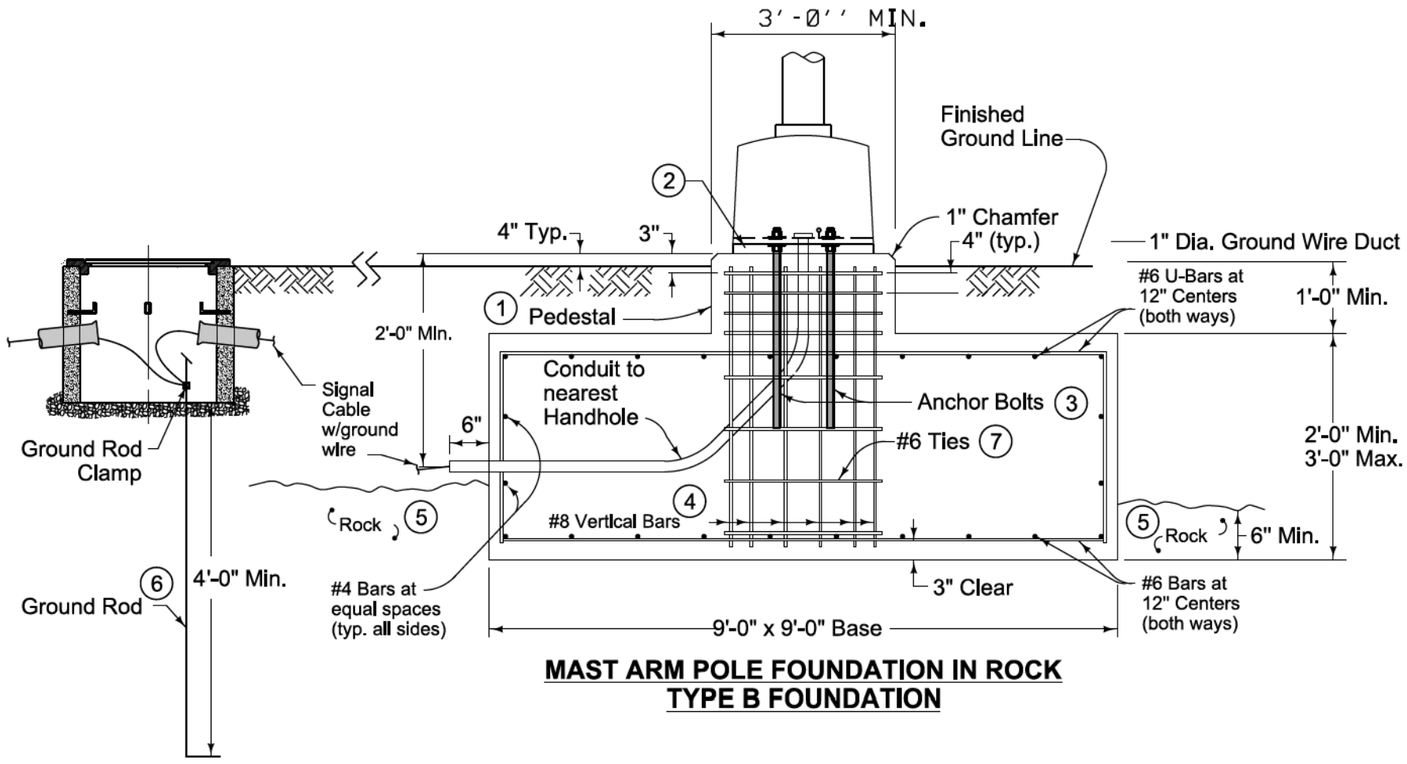
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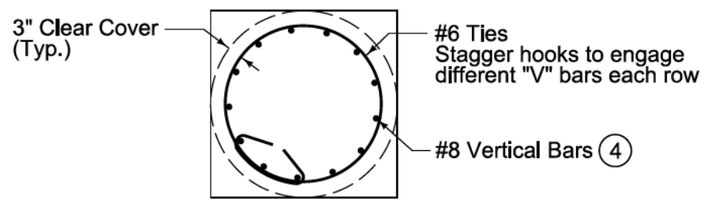
EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

TRAFFIC SIGNAL DETAILS

SHEET NO.
N.3
TAP-U-1187(793)--8I-57



MAST ARM POLE FOUNDATION IN ROCK
TYPE B FOUNDATION



PLAN VIEW

Type B Foundation is applicable for traffic signal poles with mast arm lengths up to 60 feet.

If the excavation for a Type B Foundation is left open for more than 1 calendar day, install temporary barrier rail if any part of the excavation is located within the clear zone. Temporary barrier rail layout requires the Engineer's approval.

Competent rock has an average unconfined compressive strength (q_u) of at least 2.0 ksi and rock quality designation of at least 90%. Conditions not meeting minimum requirements will require either:
- A site specific design, or
- Using the parameters for Mast Arm Pole Foundation in Soil.

(1) Shape top 11 inches with forms.

(2) Install rodent guard or non-shrink grout with weep hole.

(3) Furnish nut, nut and plate, or nut and anchor bolt assembly ring plate on embedded end.

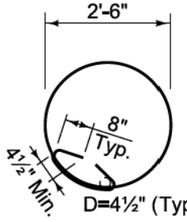
(4) Place 13 equally spaced #8 vertical bars.

(5) Cast foundation concrete against competent rock. If foundation is formed, place backfill with concrete cast against rock.

(6) When in contact with rock, place ground rods as specified in National Electrical Code, current edition.

(7) #6 bars spaced at 8 inch maximum. Ties may be welded to vertical bars.

BENT BAR DETAIL



Note: All dimension are out to out.

FIGURE 8010.102

SHEET 2 OF 4

CEDAR RAPIDS
City of Five Seasons®

REVISION	
3	12-16-2024

8010.102

SHEET 2 OF 4

Cedar Rapids General Supplemental Specifications To SUDAS

TRAFFIC SIGNAL POLE FOUNDATION

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DESIGNED BY: J. WITT CHECKED BY: J. WITT DRAWN BY: J. MEYER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 2:19:41 PM
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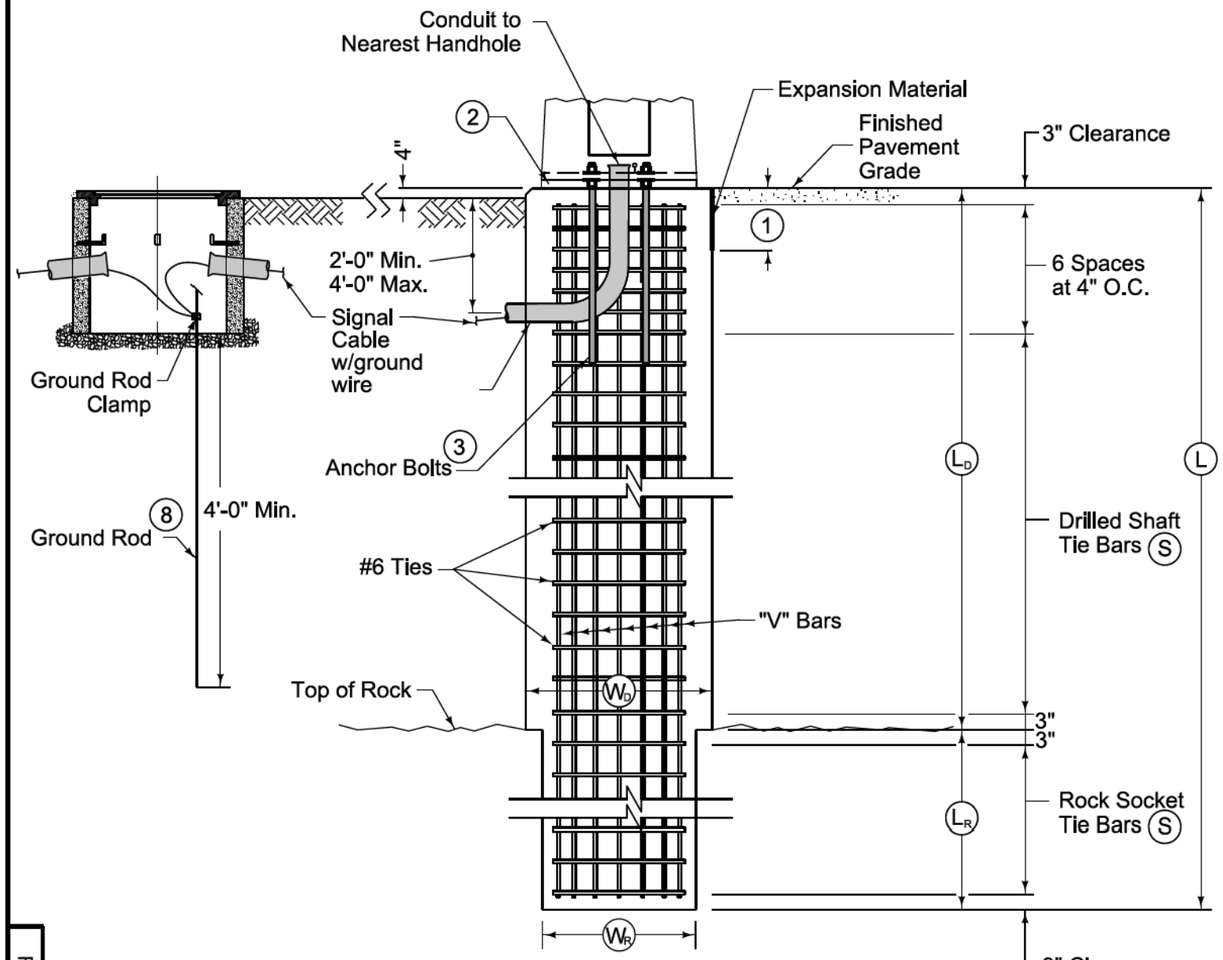
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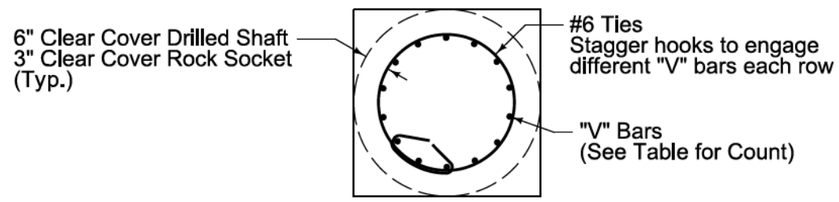
EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

TRAFFIC SIGNAL DETAILS

SHEET NO.
N.4
TAP-U-1187(793)--8I-57



MAST ARM POLE FOUNDATION IN ROCK
TYPE C FOUNDATION



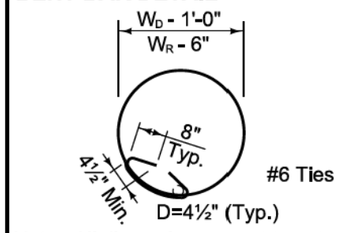
MAST ARM POLE FOUNDATION

1. Shape top 11 inches with forms.
2. Install rodent guard or non-shrink grout with weep hole.
3. Furnish nut, nut and plate, or nut and anchor bolt assembly ring plate on embedded end.
8. When in contact with rock, place ground rods as specified in National Electrical Code, current edition.

Max. Mast Arm Length	Foundation						"V" Bars			Tie Bars
	W_D Min.	W_R Min.	L	L_D	L_R Broken Rock*	L_R Competent Rock**	Count	Size	Length	S Spacing
35'-0"	3'-0"	2'-6"	12'-0"	VARIES $L_D = (L - L_R)$	4'-6"	3'-0"	13	#8	L - 6"	6"
45'-0"	3'-0"	2'-6"	14'-0"		4'-6"	3'-0"	13	#8	L - 6"	6"
55'-0"	3'-0"	2'-6"	16'-0"		4'-6"	3'-0"	13	#8	L - 6"	6"
60'-0"	3'-0"	2'-6"	18'-0"		4'-6"	3'-0"	13	#8	L - 6"	6"
70'-0"	3'-6"	3'-0"	18'-0"		5'-6"	3'-6"	14	#9	L - 6"	5½"
80'-0"	3'-6"	3'-0"	21'-0"		5'-6"	3'-6"	14	#9	L - 6"	5½"
90'-0"	4'-0"	3'-6"	22'-0"		6'-0"	4'-0"	15	#10	L - 6"	5½"
100'-0"	4'-0"	3'-6"	24'-0"		6'-0"	4'-0"	15	#10	L - 6"	5½"

* Broken rock has an average unconfined compressive strength (q) of at least 1.0 ksi and rock quality designation of at least 20%.
** Competent rock has an average unconfined compressive strength (q) of at least 2.0 ksi and rock quality designation of at least 90%.
Conditions not meeting minimum requirements will require site specific designs or shall use theType A Foundation Soil parameters.

BENT BAR DETAIL



Note: All dimension are out to out.

CEDAR RAPIDS
City of Five Seasons®

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3	12-16-2024

8010.102
SHEET 3 OF 4

Cedar Rapids General Supplemental Specifications To SUDAS

TRAFFIC SIGNAL POLE FOUNDATION

FIGURE 8010.102 | SHEET 3 OF 4

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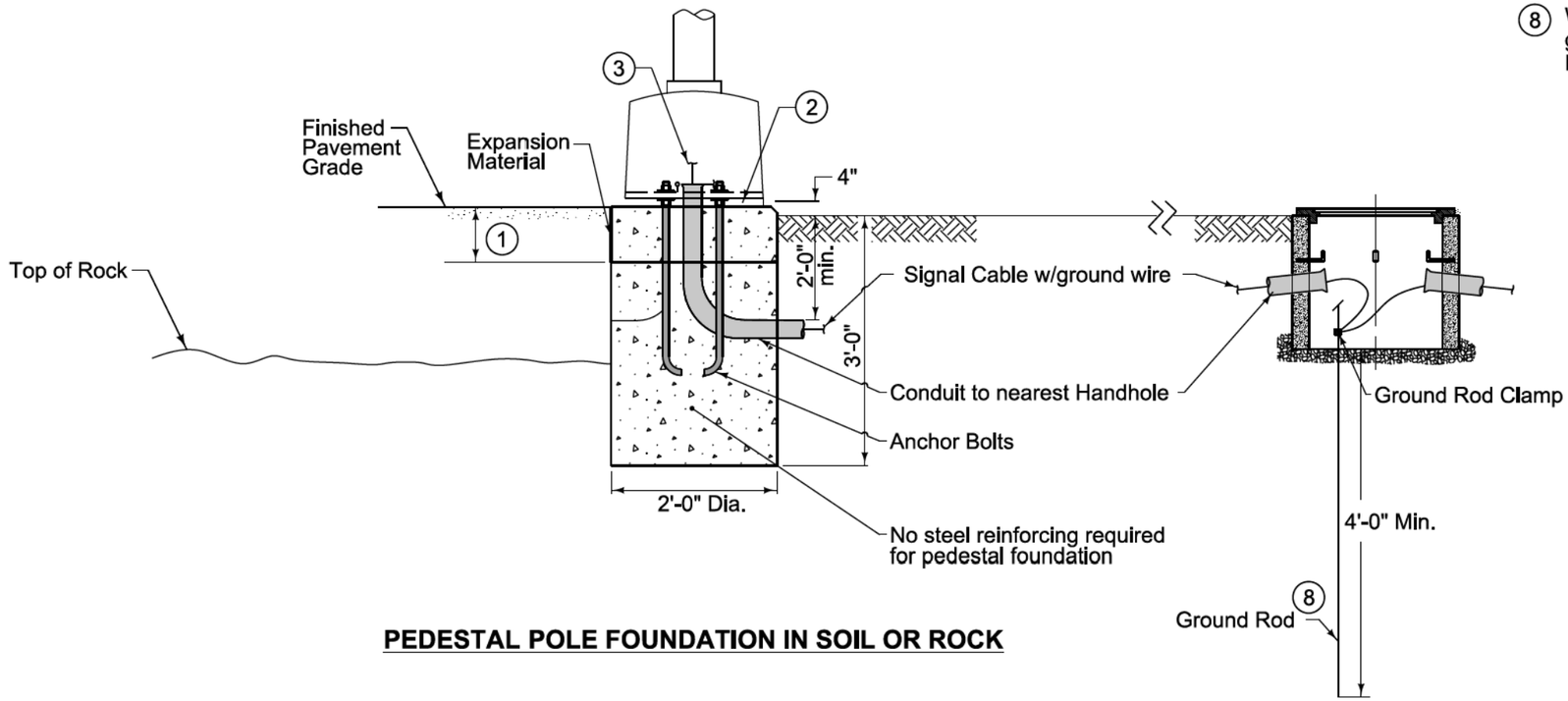
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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

TRAFFIC SIGNAL DETAILS

SHEET NO.
N.5
TAP-U-1187(793)--8I-57

1. Shape top 11 inches with forms.
2. Install rodent guard or non-shrink grout with weep hole.
3. Connect ground wire to grounding lug in the pedestal base.
8. When in contact with rock, place ground rods as specified in National Electrical Code, current edition.



PEDESTAL POLE FOUNDATION IN SOIL OR ROCK

FIGURE 8010.102

SHEET 4 OF 4

CEDAR RAPIDS
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3	12-16-2024

8010.102

SHEET 4 OF 4

Cedar Rapids General Supplemental Specifications To SUDAS

TRAFFIC SIGNAL POLE FOUNDATION

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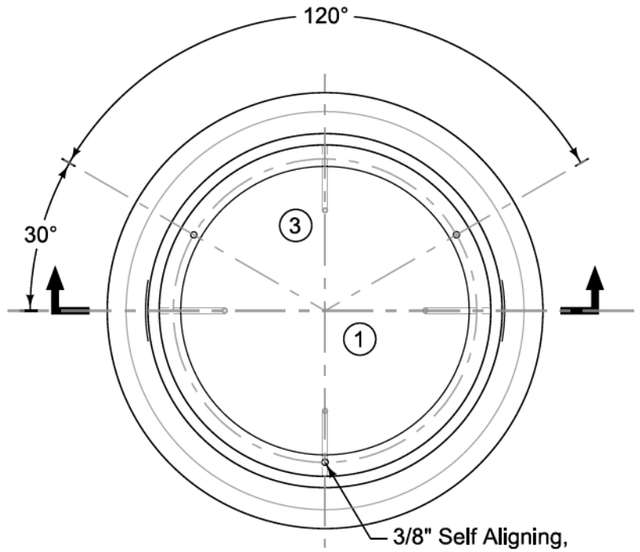
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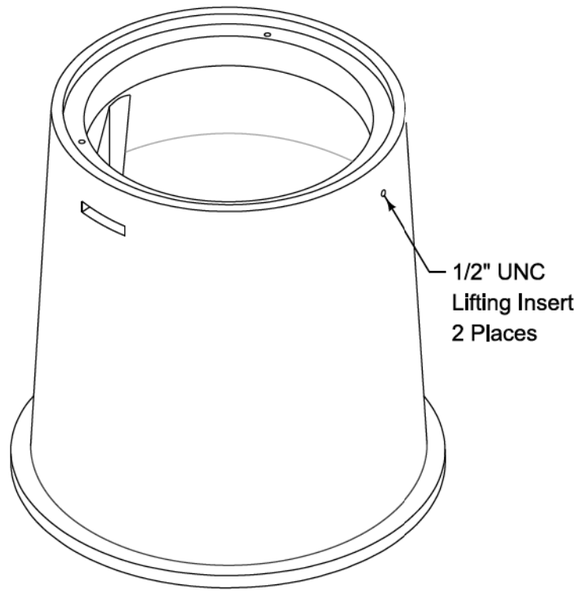
EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

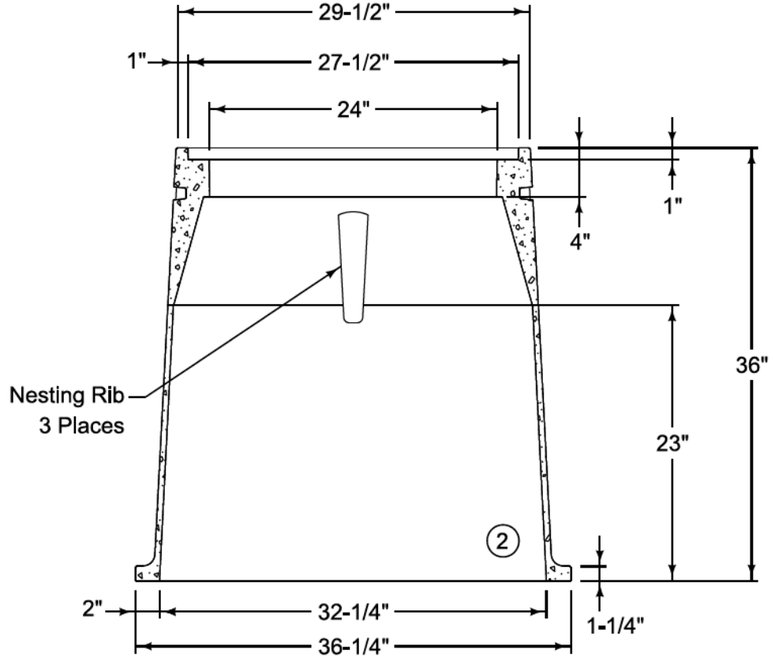
TRAFFIC SIGNAL DETAILS

SHEET NO.
N.6
TAP-U-1187(793)--8I-57



1. Include "TRAFFIC SIGNAL" text on cover
2. See plans for number and size of conduits.
3. Install (4) 3/8" galvanized steel cable hooks, min. 5" in length anchored in the wall of the handhole at 0, 90, 180 and 270 degrees





QUAZITE® COMPOSITE HANDHOLE ROUND ENCLOSURE

FIGURE 8910.999.900

SHEET 1 OF 1

CEDAR RAPIDS
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3	12-12-2023

8910.999.900

SHEET 1 OF 1

Cedar Rapids General Supplemental Specifications To SUDAS

TRAFFIC HANDHOLE

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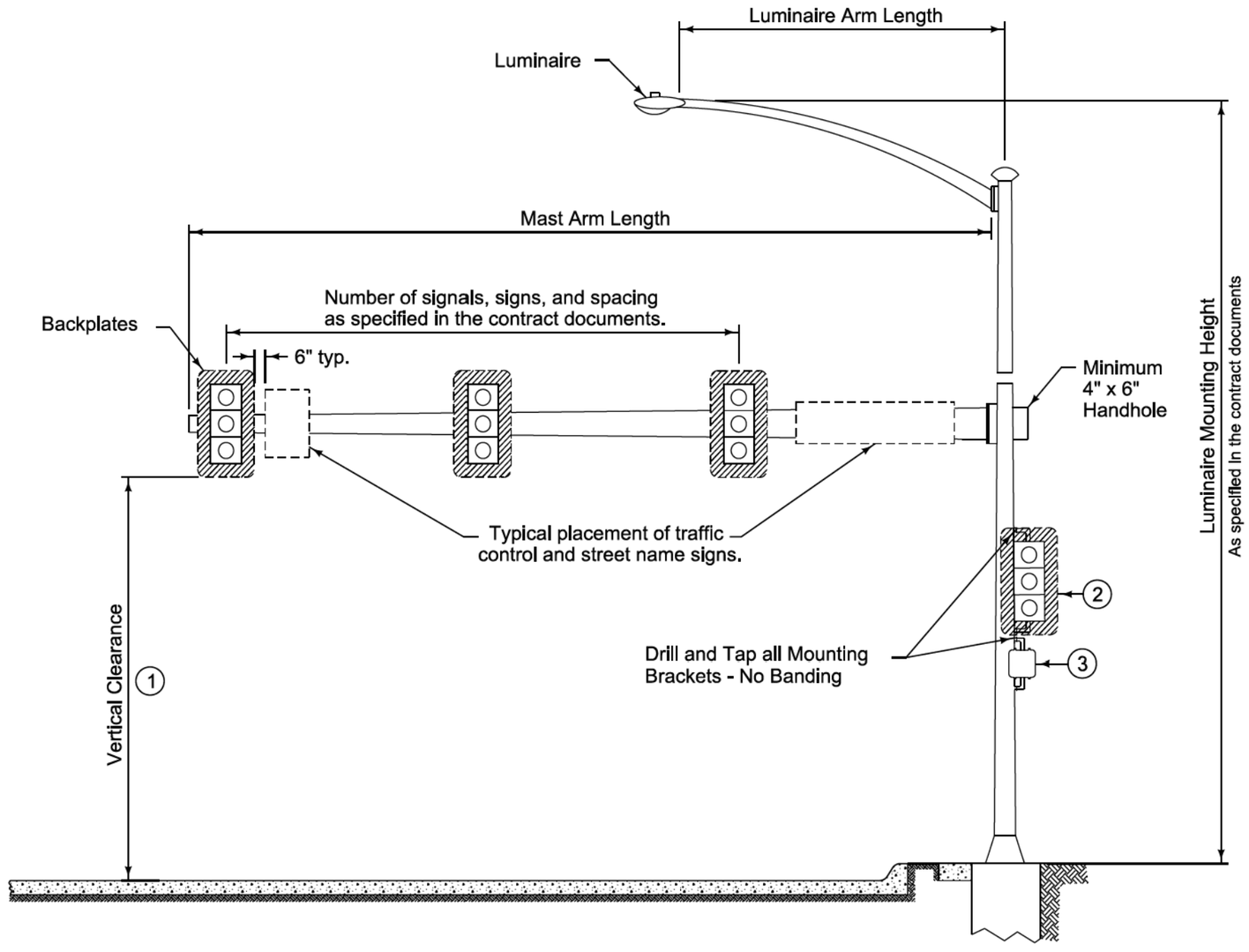
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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

TRAFFIC SIGNAL DETAILS

SHEET NO.
N.7
TAP-U-1187(793)--8I-57



1. Ensure the top of the signal housing is no more than 25.6 feet above the pavement. Ensure the bottom of the signal housing and related attachments are at least 16 feet above the pavement.
2. Ensure the bottom of the signal housing (including brackets) that is not located over a roadway is a minimum of 11 feet and a maximum of 19 feet above the sidewalk or, if there is no sidewalk, then the same height requirements apply, though above the pavement grade at the center of the roadway.
3. Mount pedestrian signal heads with the bottom of the signal housing (including brackets) no less than 8 feet or more than 10 feet above the sidewalk level. Position and adjust heads to provide maximum visibility at the beginning of the controlled crosswalk.
4. See 8910.999.902 for Video Detection and PTZ mounting.

FIGURE 8010.105

SHEET 1 OF 1

CEDAR RAPIDS
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REVISION	
2	12-16-2024

8010.105

SHEET 1 OF 1

Cedar Rapids General Supplemental Specifications To SUDAS

MAST ARM POLE DETAILS

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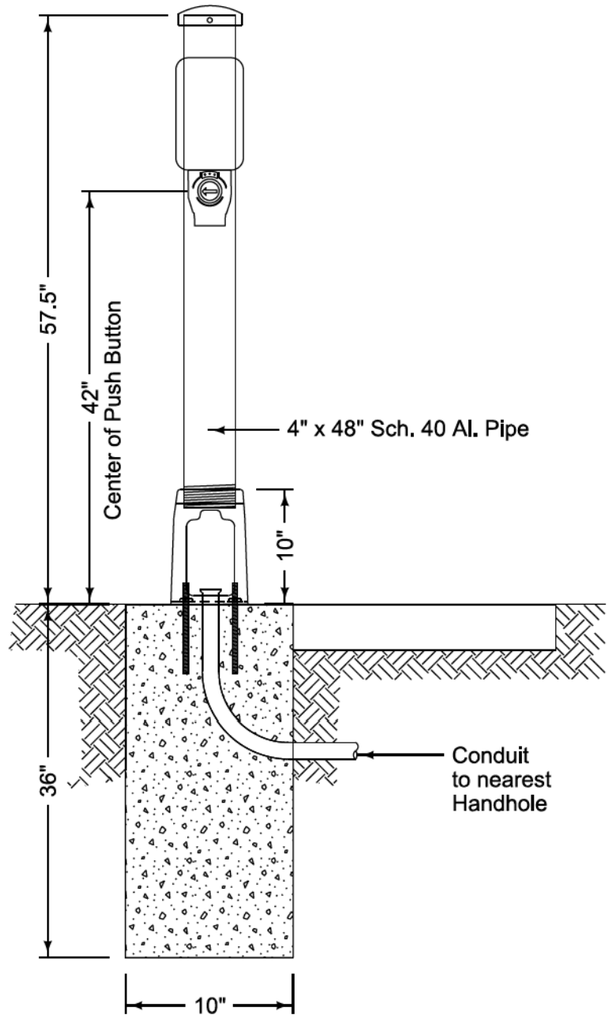
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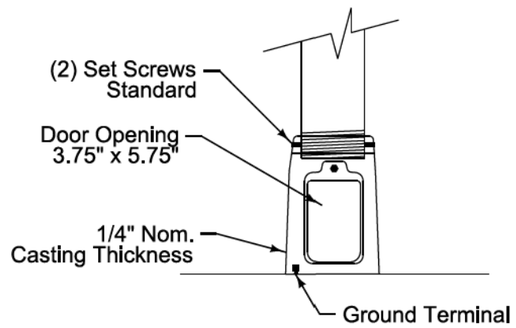
EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

TRAFFIC SIGNAL DETAILS

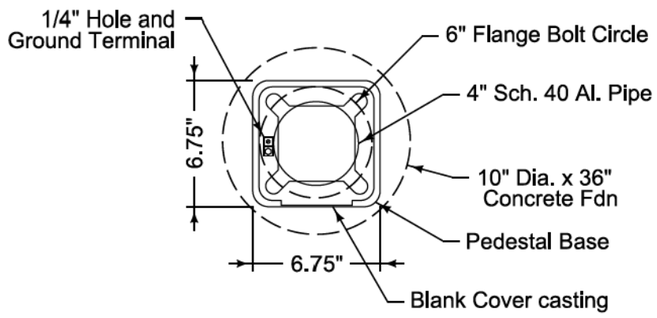
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N.8
TAP-U-1187(793)--8I-57



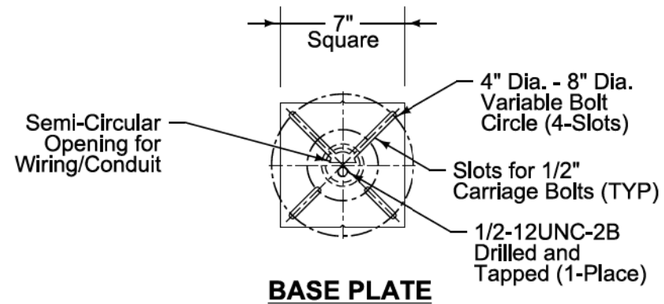
PUSH BUTTON PEDESTAL POLE



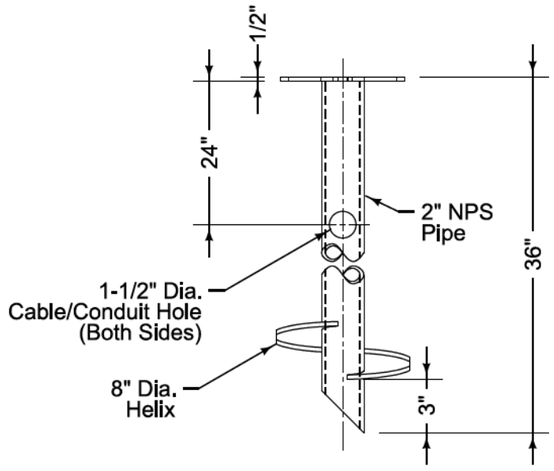
CAST ALUMINUM BASE



BASE PLATE



BASE PLATE



STEEL SCREW IN FOUNDATION

FIGURE 8910.999.901 SHEET 1 OF 2

CEDAR RAPIDS
City of Five Seasons®

REVISION	
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8910.999.901

SHEET 1 OF 2

Cedar Rapids General
Supplemental Specifications To SUDAS

PUSH BUTTON PEDESTAL POLE
AND PLACEMENT DETAILS

CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: J. WITT CHECKED BY: J. WITT DRAWN BY: J. MEYER
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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

TRAFFIC SIGNAL DETAILS

SHEET NO.
N.9
TAP-U-1187(793)--8I-57

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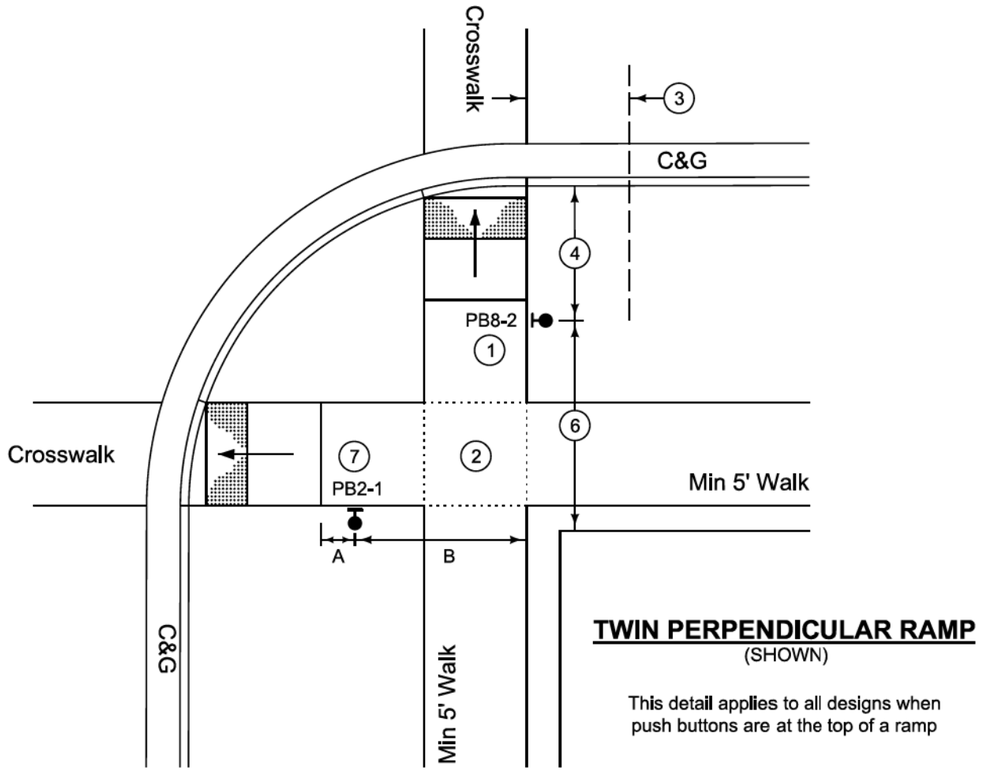
TYPICAL APS PEDESTRIAN PUSH BUTTON LOCATION

This is a general detail intended to show the requirements of APS push button location. Refer to the Contract Documents for specific information regarding pedestrian ramp layout and push button pole locations.

SIGNAL CONTROL POINTS			DISTANCE TO FRONT OF LANDING (FT)	DISTANCE TO BACK OF LANDING (FT)
SIGNAL NO.	X	Y		
PB2-1	-	-	A	B
PB8-2	-	-	A	B

A - Distance measured from the push button pole to the front of landing/top of ramp

B - Clear distance measured from the push button pole to the back of landing/edge of walk



TWIN PERPENDICULAR RAMP
(SHOWN)

This detail applies to all designs when push buttons are at the top of a ramp

SUPPLEMENTAL GUIDANCE FOR CONSTRUCTING COMPLIANT APS PUSH BUTTONS

1. The face of the button shall be parallel with the outside edge of crosswalk.
2. A minimum 5-ft x 5-ft landing area shall be provided adjacent to each push button pole, with a 1.5 percent target slope in all directions.
3. Push button poles shall be within 5-ft of the outside edge of the crosswalk.
4. Push button poles shall be between 1.5-ft and 9.5-ft from the back of curb or edge of roadway, measured in the direction of travel. Stand-alone push button stations should be 4-ft minimum from the back of curb unless shown otherwise in the plans.
5. Push button poles shall be at least 10-ft apart (MUTCD).
6. Provide a 6-ft minimum clear distance between a push button pole and any obstructions,including buildings, v-curb, electrical foundations, signal cabinets. (City preferred)
7. Button should be 2-ft minimum from ramp grade break and back of walk. (City preferred)

FIGURE 8910.999.901 SHEET 2 OF 2

CEDAR RAPIDS City of Five Seasons®

REVISION	
3	12-16-2024

8910.999.901

SHEET 2 OF 2

Cedar Rapids General Supplemental Specifications To SUDAS

PUSH BUTTON PEDESTAL POLE AND PLACEMENT DETAILS

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CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: J. WITT CHECKED BY: J. WITT DRAWN BY: J. MEYER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 2:19:50 PM
CAD FILE: c:\pw_workdir\pw_ie\amj3\d05791641\0022C005.02_N02_SHT.dgn

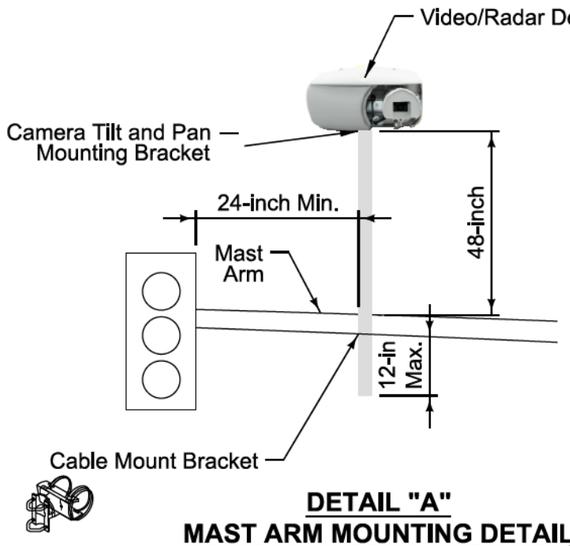
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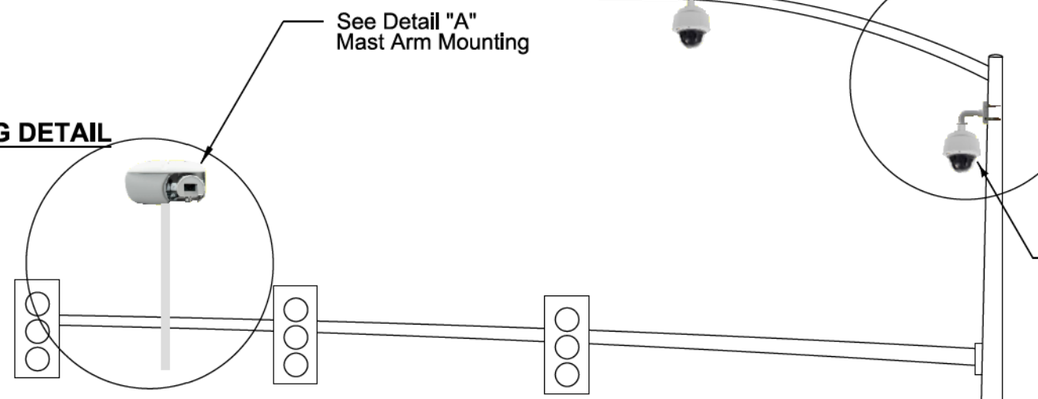
EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

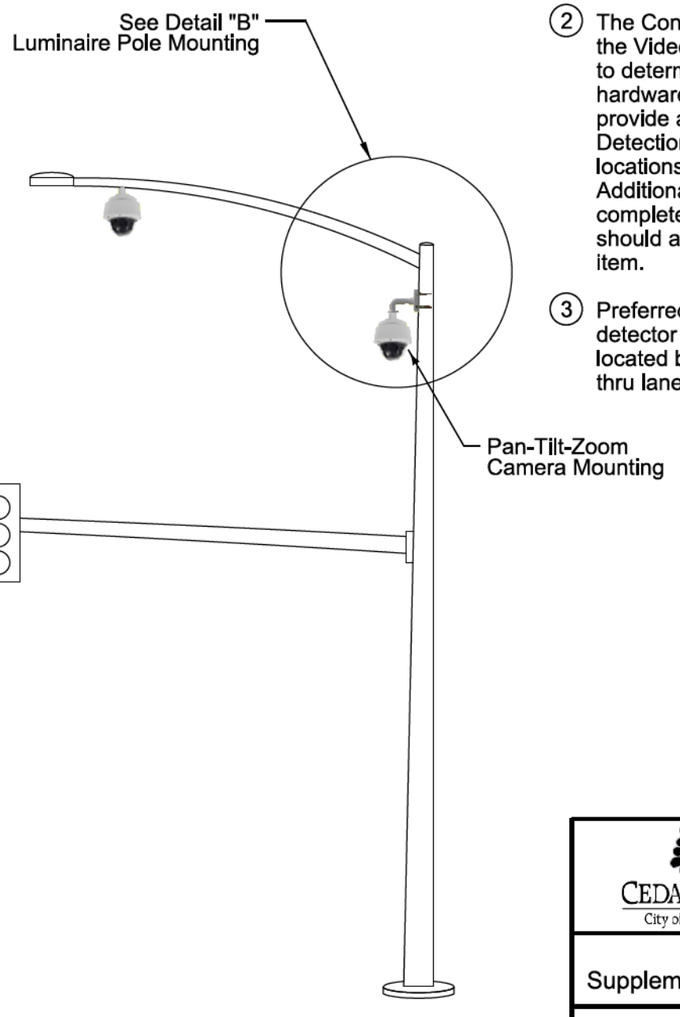
TRAFFIC SIGNAL DETAILS

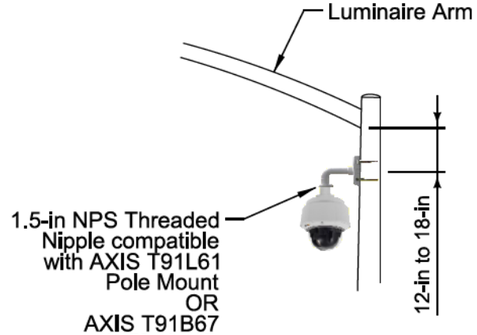
SHEET NO.
N.10
TAP-U-1187(793)--8I-57



DETAIL "A"
MAST ARM MOUNTING DETAIL







DETAIL "B"
LUMINAIRE POLE MOUNTING DETAIL

NOTES:

1. The Video/Radar Detector Mounting Detail is for reference only and shows desirable mounting heights and mounting hardware.
2. The Contractor shall coordinate with the Video/Radar Detection System vendor to determine the appropriate mounting hardware and mounting heights to provide a fully functional Video/Radar Detection System with cameras at the locations shown in the plans. Additional hardware necessary to complete the installation but not shown should also be provided as part of this item.
3. Preferred location of video/radar detector is the mast arm mounting located between the left turn lane and thru lane of the approach.

FIGURE 8910.991
SHEET 2 OF 2

CEDAR RAPIDS
City of Five Seasons®

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8910.991
SHEET 2 OF 2

Cedar Rapids General Supplemental Specifications To SUDAS

VIDEO DETECTOR MOUNTING DETAIL

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DESIGNED BY: J. WITT CHECKED BY: J. WITT DRAWN BY: J. MEYER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 2:19:52 PM
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FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

TRAFFIC SIGNAL DETAILS

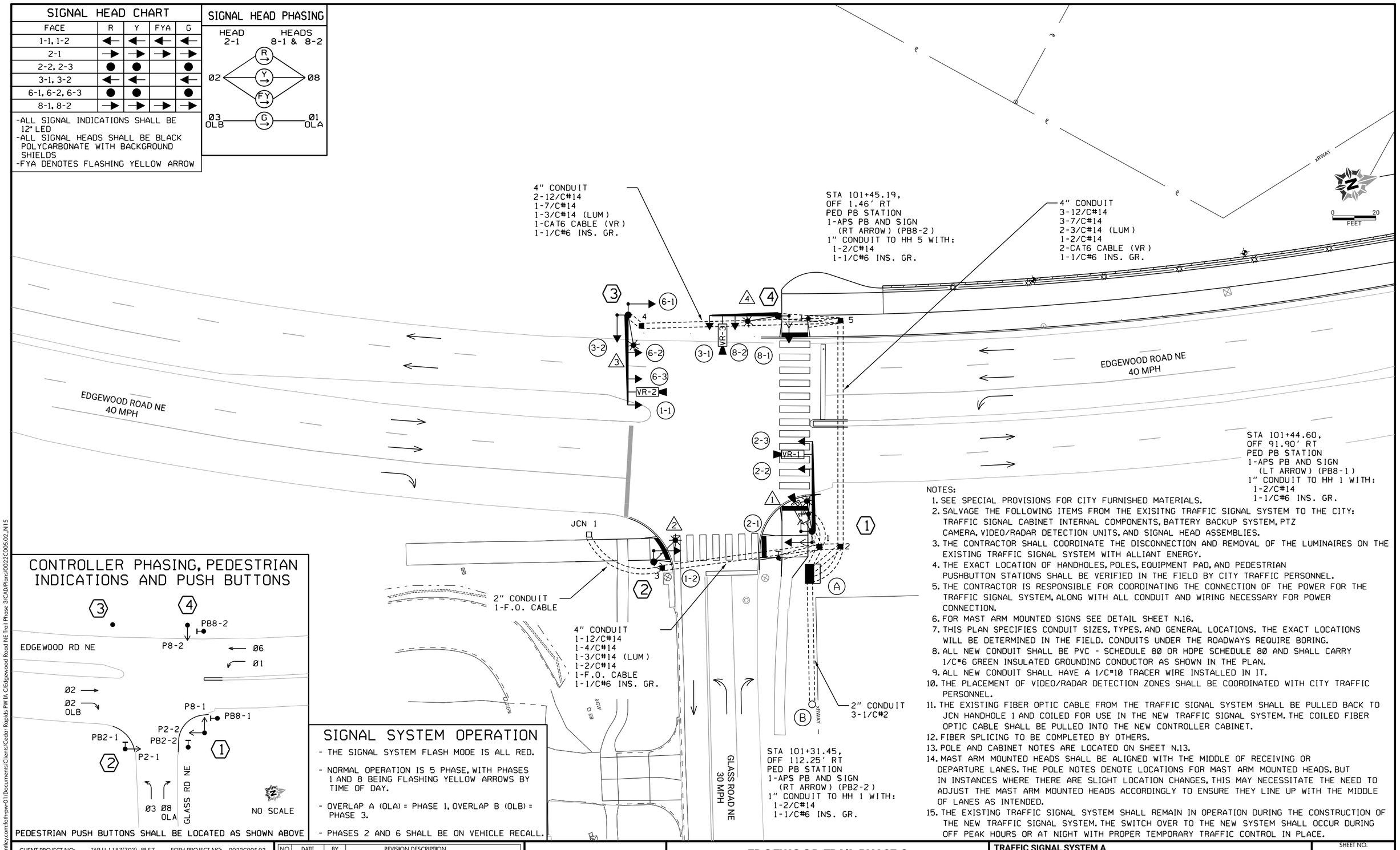
SHEET NO.
N.11
TAP-U-1187(793)--8I-57

SIGNAL HEAD CHART

FACE	R	Y	FYA	G
1-1, 1-2	←	←	←	←
2-1	→	→	→	→
2-2, 2-3	●	●		●
3-1, 3-2	←	←		←
6-1, 6-2, 6-3	●	●		●
8-1, 8-2	→	→	→	→

-ALL SIGNAL INDICATIONS SHALL BE 12" LED
-ALL SIGNAL HEADS SHALL BE BLACK POLYCARBONATE WITH BACKGROUND SHIELDS
-FYA DENOTES FLASHING YELLOW ARROW

SIGNAL HEAD PHASING



CONTROLLER PHASING, PEDESTRIAN INDICATIONS AND PUSH BUTTONS

PEDESTRIAN PUSH BUTTONS SHALL BE LOCATED AS SHOWN ABOVE

SIGNAL SYSTEM OPERATION

- THE SIGNAL SYSTEM FLASH MODE IS ALL RED.
- NORMAL OPERATION IS 5 PHASE, WITH PHASES 1 AND 8 BEING FLASHING YELLOW ARROWS BY TIME OF DAY.
- OVERLAP A (OLA) = PHASE 1, OVERLAP B (OLB) = PHASE 3.
- PHASES 2 AND 6 SHALL BE ON VEHICLE RECALL.

NOTES:

1. SEE SPECIAL PROVISIONS FOR CITY FURNISHED MATERIALS.
2. SALVAGE THE FOLLOWING ITEMS FROM THE EXISITNG TRAFFIC SIGNAL SYSTEM TO THE CITY: TRAFFIC SIGNAL CABINET INTERNAL COMPONENTS, BATTERY BACKUP SYSTEM, PTZ CAMERA, VIDEO/RADAR DETECTION UNITS, AND SIGNAL HEAD ASSEMBLIES.
3. THE CONTRACTOR SHALL COORDINATE THE DISCONNECTION AND REMOVAL OF THE LUMINAIRES ON THE EXISTING TRAFFIC SIGNAL SYSTEM WITH ALLIANT ENERGY.
4. THE EXACT LOCATION OF HANDHOLES, POLES, EQUIPMENT PAD, AND PEDESTRIAN PUSHBUTTON STATIONS SHALL BE VERIFIED IN THE FIELD BY CITY TRAFFIC PERSONNEL.
5. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE CONNECTION OF THE POWER FOR THE TRAFFIC SIGNAL SYSTEM, ALONG WITH ALL CONDUIT AND WIRING NECESSARY FOR POWER CONNECTION.
6. FOR MAST ARM MOUNTED SIGNS SEE DETAIL SHEET N.16.
7. THIS PLAN SPECIFIES CONDUIT SIZES, TYPES, AND GENERAL LOCATIONS. THE EXACT LOCATIONS WILL BE DETERMINED IN THE FIELD. CONDUITS UNDER THE ROADWAYS REQUIRE BORING.
8. ALL NEW CONDUIT SHALL BE PVC - SCHEDULE 80 OR HDPE SCHEDULE 80 AND SHALL CARRY 1/C#6 GREEN INSULATED GROUNDING CONDUCTOR AS SHOWN IN THE PLAN.
9. ALL NEW CONDUIT SHALL HAVE A 1/C#10 TRACER WIRE INSTALLED IN IT.
10. THE PLACEMENT OF VIDEO/RADAR DETECTION ZONES SHALL BE COORDINATED WITH CITY TRAFFIC PERSONNEL.
11. THE EXISTING FIBER OPTIC CABLE FROM THE TRAFFIC SIGNAL SYSTEM SHALL BE PULLED BACK TO JCN HANDHOLE 1 AND COILED FOR USE IN THE NEW TRAFFIC SIGNAL SYSTEM. THE COILED FIBER OPTIC CABLE SHALL BE PULLED INTO THE NEW CONTROLLER CABINET.
12. FIBER SPLICING TO BE COMPLETED BY OTHERS.
13. POLE AND CABINET NOTES ARE LOCATED ON SHEET N.13.
14. MAST ARM MOUNTED HEADS SHALL BE ALIGNED WITH THE MIDDLE OF RECEIVING OR DEPARTURE LANES. THE POLE NOTES DENOTE LOCATIONS FOR MAST ARM MOUNTED HEADS, BUT IN INSTANCES WHERE THERE ARE SLIGHT LOCATION CHANGES, THIS MAY NECESSITATE THE NEED TO ADJUST THE MAST ARM MOUNTED HEADS ACCORDINGLY TO ENSURE THEY LINE UP WITH THE MIDDLE OF LANES AS INTENDED.
15. THE EXISTING TRAFFIC SIGNAL SYSTEM SHALL REMAIN IN OPERATION DURING THE CONSTRUCTION OF THE NEW TRAFFIC SIGNAL SYSTEM. THE SWITCH OVER TO THE NEW SYSTEM SHALL OCCUR DURING OFF PEAK HOURS OR AT NIGHT WITH PROPER TEMPORARY TRAFFIC CONTROL IN PLACE.

CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: J. WITT CHECKED BY: J. WITT DRAWN BY: J. MEYER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 2:20:08 PM
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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

TRAFFIC SIGNAL SYSTEM A
TRAFFIC SIGNAL LAYOUT
EDGEWOOD ROAD NE AT GLASS ROAD NE

SHEET NO.
N.12
TAP-U-1187(793)--8I-57

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(1) STA 101+46.05, OFF 99.96' RT
TYPE A FOUNDATION (45' MAX)
TYPE CR-40-LEX-35-15-325°
LUMINAIRE-145W LED
2-MAST ARM MOUNTED SIGNALS OVERHEAD AT
O' AND 12.8'
1-POLE MOUNTED SIGNAL
2-POLE MOUNTED C.D. PED INDICATIONS
1-POLE MOUNTED BLUETOOTH DETECTION UNIT
1-MAST ARM MOUNTED VIDEO/RADAR DETECTION
UNIT AT 6'
1-POLE MOUNTED PTZ DOME CAMERA
1-SIGN OVERHEAD (D-2)
(SEE SIGN DETAILS)
1-POLE MOUNTED SIGN (R10-17a)
(SEE SIGN DETAILS)
3" CONDUIT TO HH 1 WITH:
2-12/C#14
1-7/C#14
1-3/C#14 (LUM)
1-CAT6 CABLE (VR-1)
1-CAT6 CABLE (BLUETOOTH)
1-CAT6 CABLE (PTZ)
1-1/C#6 INS. GR.

(2) STA 100+77.48, OFF 115.01' RT
TYPE A LIGHTING FOUNDATION
STEEL LIGHT POLE (35' MOUNTING HEIGHT)
WITH 15' ARM AND TRANSFORMER BASE
LUMINAIRE-145W LED
1-POLE MOUNTED SIGNAL
1-POLE MOUNTED C.D. PED INDICATION
1-APS PB AND SIGN
(LT ARROW) (PB2-1)
2" CONDUIT TO HH 3 WITH:
1-12/C#14
1-4/C#14
1-3/C#14 (LUM)
1-2/C#14
1-1/C#6 INS. GR.

(3) STA 100+61.89, OFF 1.34' RT
TYPE A FOUNDATION (45' MAX)
TYPE CR-40-LEX-35-15-350°
LUMINAIRE-145W LED
3-MAST ARM MOUNTED SIGNALS OVERHEAD AT
O' , 12', AND 24.2'
2-POLE MOUNTED SIGNALS
1-MAST ARM MOUNTED VIDEO/RADAR DETECTION
UNIT AT 6'
1-SIGN OVERHEAD (D-2)
(SEE SIGN DETAILS)
3" CONDUIT TO HH 4 WITH:
2-12/C#14
1-7/C#14
1-3/C#14 (LUM)
1-CAT6 CABLE (VR-2)
1-1/C#6 INS. GR.

(4) STA 101+31.10, OFF 0.24' RT
TYPE A FOUNDATION (35' MAX)
TYPE CR-30-LEX-35-15-350°
LUMINAIRE-145W LED
2-MAST ARM MOUNTED SIGNALS OVERHEAD AT
O' AND 11.8'
1-POLE MOUNTED SIGNAL
1-POLE MOUNTED C.D. PED INDICATION
1-MAST ARM MOUNTED VIDEO/RADAR DETECTION
UNIT AT 6'
1-SIGN OVERHEAD (D-1)
(SEE SIGN DETAILS)
1-POLE MOUNTED SIGN (R10-17a)
(SEE SIGN DETAILS)
3" CONDUIT TO HH 5 WITH:
1-12/C#14
2-7/C#14
1-3/C#14 (LUM)
1-CAT6 CABLE (VR-3)
1-1/C#6 INS. GR.

(A) CONTROLLER CABINET AND POWER
SERVICE FOUNDATION
SERVICE CABINET WITH BATTERY
BACKUP SYSTEM
CONTROLLER CABINET
CITY FURNISHED CONTROLLER

CONTROLLER CABINET TO HH 1:
4" CONDUIT WITH:
3-12/C#14
1-7/C#14
1-4/C#14
3-2/C#14
1-CAT6 CABLE (VR)
1-CAT6 CABLE (PTZ)
1-CAT6 CABLE (BLUETOOTH)
1-F.O. CABLE
1-1/C#6 INS. GR.

CONTROLLER CABINET TO HH 2:
4" CONDUIT WITH:
3-12/C#14
3-7/C#14
1-2/C#14
2-CAT6 CABLE (VR)
1-1/C#6 INS. GR.

1-3" CONDUIT STUBBED OUT OF
CONTROLLER CABINET (CAPPED BOTH ENDS)

CONTROLLER CABINET TO SERVICE CABINET:
2" CONDUIT
3-1/C#6

SERVICE CABINET TO HH 2:
2" CONDUIT
4-3/C#14 (LUM)

HH 1 TO HH 2:
2" CONDUIT
2-3/C#14 (LUM)

(B) SOP-POLE MOUNTED TRANSFORMER
(ALLIANT ENERGY)
RISER AND WEATHERHEAD
2" CONDUIT TO SERVICE CABINET WITH:
3-1/C#2

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LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 2:20:17 PM
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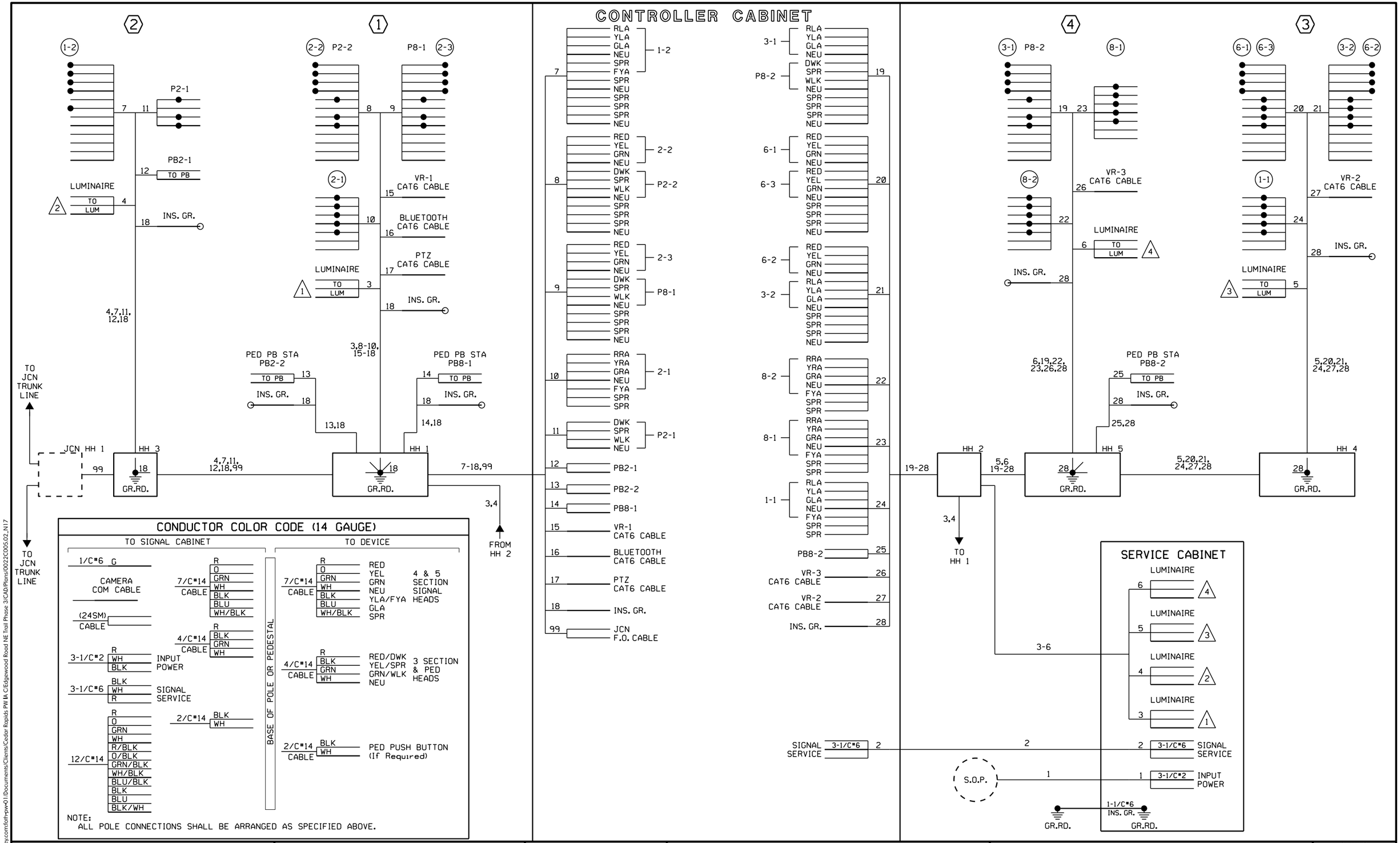
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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

TRAFFIC SIGNAL SYSTEM A
TRAFFIC SIGNAL LAYOUT NOTES
EDGEWOOD ROAD NE AT GLASS ROAD NE
####

SHEET NO.
N.13
TAP-U-1187(793)--8I-57



CLIENT PROJECT NO:	TAP-U-1187(793)--81-57	FOTH PROJECT NO:	0022C005.02
DESIGNED BY:	J. WITT	CHECKED BY:	J. WITT
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LETTING DATE:	9/15/2026	CAD DATE:	6/15/2026 2:20:26 PM
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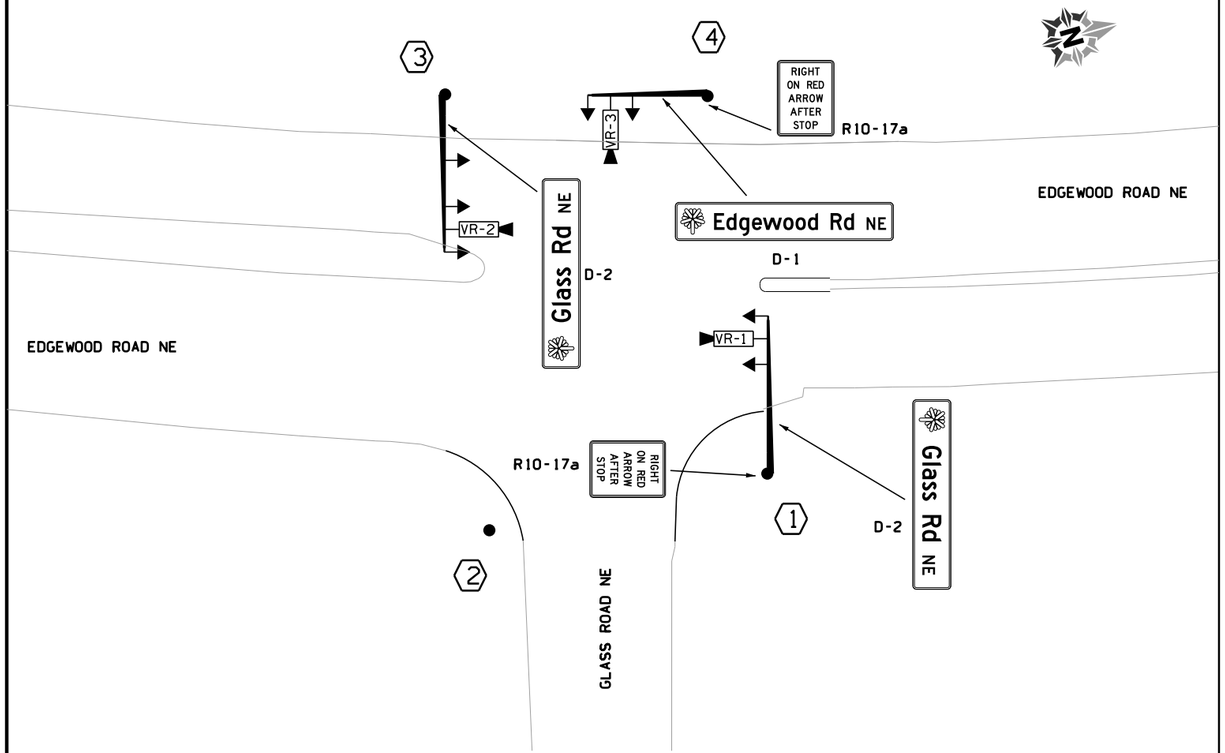
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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

TRAFFIC SIGNAL SYSTEM A
TRAFFIC SIGNAL WITING DIAGRAM
EDGEWOOD ROAD NE AT GLASS ROAD NE

SHEET NO.
N.14
TAP-U-1187(793)--81-57

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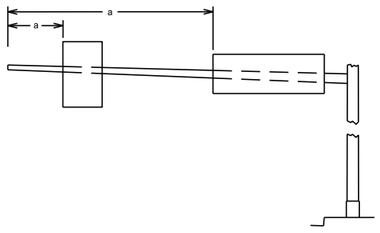


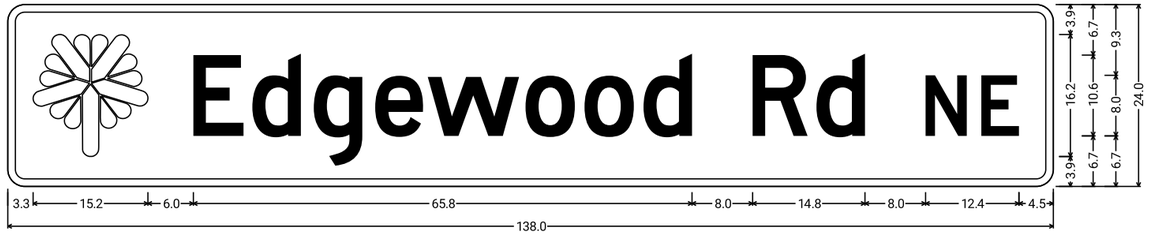
MAST ARM/POLE MOUNTED SIGNS					
SIGN PANEL OR SIGN NO. (I.E. D-1)	POLE NO.	a (FEET)	SIZE (INCHES)	AREA/ SIGN (SQ. FT.)	PANEL LEGEND
D-2	1	21.5	120 X 24	20	GLASS RD NE
R10-17a	1	N/A	36 X 48	12	RIGHT ON RED ARROW AFTER STOP
D-2	3	28	120 X 24	20	GLASS RD NE
D-1	4	17	138 X 24	23	EDGEWOOD RD NE
R10-17a	4	N/A	36 X 48	12	RIGHT ON RED ARROW AFTER STOP
				87	

GENERAL NOTES:

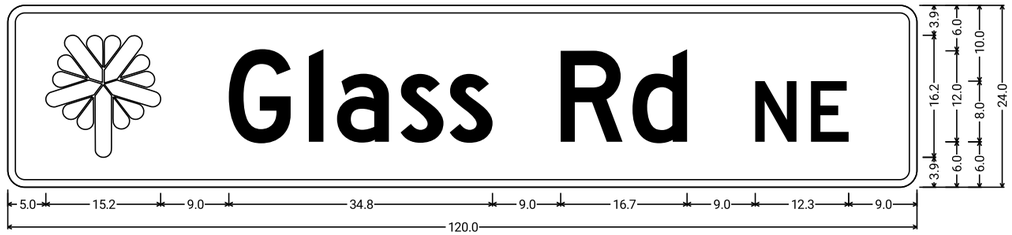
1. ALL MAST ARM MOUNTED STREET NAME SIGNS WILL BE FURNISHED AND INSTALLED BY THE CONTRACTOR.
2. THE MAST ARM MOUNTED SIGNS AND INSTALLATION ARE INCIDENTAL TO THE LUMP SUM TRAFFIC SIGNAL SYSTEM BID ITEM.
3. THE R10-17a SIGNS ON POLES 1 AND 2 ARE TO BE POLE MOUNTED ABOVE THE 4-SECTION TRAFFIC SIGNAL HEADS.

MAST ARM SIGN LOCATION

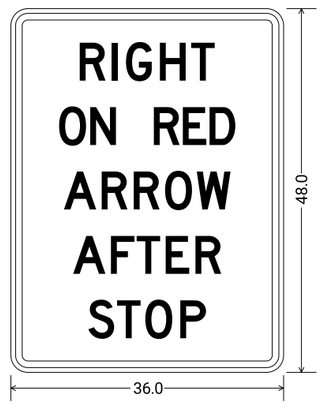




D-1;
2.3" Radius, 1.0" Border, White on Green;
City of Cedar Rapids Logo; "Edgewood", D 2K; "Rd", D 2K; "NE", D 2K;



D-2;
2.3" Radius, 1.0" Border, White on Green;
City of Cedar Rapids Logo; "Glass", D 2K; "Rd", D 2K; "NE", D 2K;



R10-17a

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DESIGNED BY:	J. WITT	CHECKED BY:	J. WITT
DRAWN BY:	J. MEYER		
LETTING DATE:	9/15/2026	CAD DATE:	6/15/2026 2:20:34 PM
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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

TRAFFIC SIGNAL SYSTEM A
TRAFFIC SIGNAL SIGNING
EDGEWOOD ROAD NE AT GLASS ROAD NE

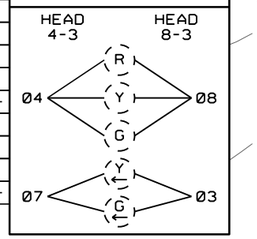
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SIGNAL HEAD CHART

FACE	R	Y	G	Y	G
1-1	←	←	←		
2-1, 2-2, 2-3	○	○	○		
4-1, 4-2	○	○	○		
4-3	○	○	○	←	←
5-1	←	←	←		
6-1, 6-2, 6-3	○	○	○		
8-1, 8-2	○	○	○		
8-3	○	○	○	←	←

SIGNAL HEAD PHASING



(1) INPLACE: TRAFFIC SIGNAL POLE WITH MAST ARM AND LUMINAIRE MAST ARM LED LUMINAIRE
2-MAST ARM MOUNTED SIGNALS OVERHEAD
1-POLE MOUNTED SIGNAL
1-POLE MOUNTED PTZ DOME CAMERA
1-MAST ARM MOUNTED VIDEO DETECTION UNIT
1-SIGN OVERHEAD
1-POLE MOUNTED SIGN
1-POLE MOUNTED SERVICE AND METER
REMOVE: 1-POLE MOUNTED C.D. PED INDICATION
2-POLE MOUNTED PED PB AND SIGNS
1-POLE MOUNTED SERVICE, METER, RISER, AND WEATHERHEAD
F&I: 1-POLE MOUNTED C.D. PED INDICATION
1-POLE MOUNTED BLUETOOTH DETECTIION UNIT
INPLACE: 2" CONDUIT TO HH 3 WITH:
F&I: 1-CAT6 CABLE (PTZ)

(2) INPLACE: TRAFFIC SIGNAL POLE WITH MAST ARM AND LUMINAIRE MAST ARM LED LUMINAIRE
3-MAST ARM MOUNTED SIGNALS OVERHEAD
1-POLE MOUNTED SIGNAL
1-MAST ARM MOUNTED VIDEO/RADAR DETECTION UNIT
1-SIGN OVERHEAD
REMOVE: 2-POLE MOUNTED C.D. PED INDICATIONS
2-POLE MOUNTED PED PB AND SIGNS
F&I: 2-POLE MOUNTED C.D. PED INDICATION
INPLACE: 2" CONDUIT TO HH 4

(3) INPLACE: TRAFFIC SIGNAL POLE WITH MAST ARM AND LUMINAIRE MAST ARM LED LUMINAIRE
2-MAST ARM MOUNTED SIGNALS OVERHEAD
1-POLE MOUNTED SIGNAL
1-MAST ARM MOUNTED VIDEO DETECTION UNIT
1-SIGN OVERHEAD
REMOVE: 1-POLE MOUNTED C.D. PED INDICATION
2-POLE MOUNTED PED PB AND SIGNS
F&I: 1-POLE MOUNTED C.D. PED INDICATION
INPLACE: 2" CONDUIT TO HH 5

(4) INPLACE: TRAFFIC SIGNAL POLE WITH MAST ARM
3-MAST ARM MOUNTED SIGNALS OVERHEAD
1-POLE MOUNTED SIGNAL
1-MAST ARM MOUNTED VIDEO/RADAR DETECTION UNIT
1-SIGN OVERHEAD
REMOVE: 2-POLE MOUNTED PED PB AND SIGNS
INPLACE: 2" CONDUIT TO HH 7

(A) F&I: POWER SERVICE FOUNDATION
SERVICE CABINET
INPLACE: CONTROLLER CABINET WITH BATTERY BACKUP SYSTEM
FIBER HUB CABINET
CONTROLLER CABINET TO HH 1:
2-4" CONDUITS WITH:
F&I: 4-2/C#14
1-CAT6 CABLE (BLUETOOTH)
F&I: CONTROLLER CABINET TO SERVICE CABINET:
2" CONDUIT (EXTEND EXISTING STUB)
3-1/C#6

(B) INPLACE: SOP-POLE MOUNTED TRANSFORMER (ALLIANT ENERGY)
F&I: 2" CONDUIT TO SERVICE CABINET WITH:
3-1/C#2

STA 117+74.78,
OFF 20.06' RT
F&I: PED PB STATION
1-APS PB AND SIGN
(RT ARROW) (PB6-2)
1" CONDUIT TO HH 4 WITH:
1-2/C#14
1-1/C#6 INS. GR.

STA 117+69.51,
OFF 29.96' RT
F&I: PED PB STATION
1-APS PB AND SIGN
(LT ARROW) (PB4-1)
1" CONDUIT TO HH 4 WITH:
1-2/C#14
1-1/C#6 INS. GR.

STA 118+62.70,
OFF 20.87' RT
F&I: PED PB STATION
1-APS PB AND SIGN
(LT ARROW) (PB6-1)
1" CONDUIT TO HH 5 WITH:
1-2/C#14
1-1/C#6 INS. GR.

STA 117+20.02,
OFF 106.92' RT
F&I: PED PB STATION
1-APS PB AND SIGN
(RT ARROW) (PB4-2)
1" CONDUIT TO HH 2 WITH:
1-2/C#14
1-1/C#6 INS. GR.

ADJUST HANDHOLE

INPLACE: 3" CONDUIT
F&I: 2-2/C#14

INPLACE: 3" CONDUIT
F&I: 1-2/C#14

INPLACE: 3" CONDUIT
F&I: 1-2/C#14

INPLACE: 2-4" CONDUITS
F&I: 4-2/C#14
1-CAT6 CABLE (BLUETOOTH)

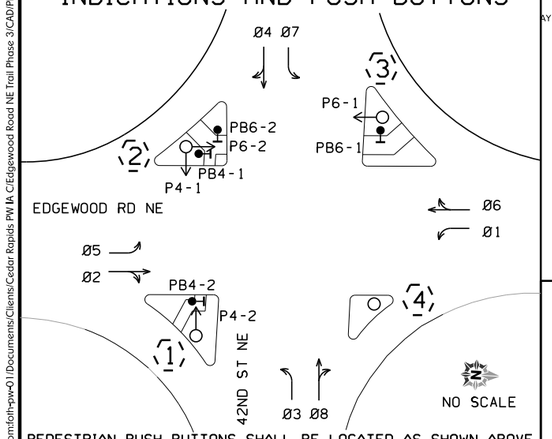
42ND STREET NE
35 MPH

EDGEWOOD ROAD NE
40 MPH

TEMP/E

xRWAY

CONTROLLER PHASING, PEDESTRIAN INDICATIONS AND PUSH BUTTONS



PEDESTRIAN PUSH BUTTONS SHALL BE LOCATED AS SHOWN ABOVE

SIGNAL SYSTEM OPERATION

- THE SIGNAL SYSTEM FLASH MODE IS ALL RED.
- NORMAL OPERATION IS 8 PHASE, WITH PHASES 3 AND 7 BEING PROTECTED/PERMISSIVE LEFT TURN PHASES, WITH PHASES 1 AND 5 BEING PROTECTED LEFT TURN PHASES.
- PHASES 2 AND 6 SHALL BE ON VEHICLE RECALL.

NOTES:
1. SEE SPECIAL PROVISIONS FOR CITY FURNISHED MATERIALS.
2. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE CONNECTION OF THE POWER FOR THE TRAFFIC SIGNAL SYSTEM, ALONG WITH ALL CONDUIT AND WIRING NECESSARY FOR POWER CONNECTION.
3. THE EXACT LOCATION OF HANDHOLES AND PEDESTRIAN PUSHBUTTON STATIONS SHALL BE VERIFIED IN THE FIELD BY CITY TRAFFIC PERSONNEL.
4. THIS PLAN SPECIFIES CONDUIT SIZES, TYPES, AND GENERAL LOCATIONS. THE EXACT LOCATIONS WILL BE DETERMINED IN THE FIELD. CONDUITS UNDER THE ROADWAYS REQUIRE BORING.
5. ALL NEW CONDUIT SHALL BE PVC - SCHEDULE 80 OR HDPE SCHEDULE 80 AND SHALL CARRY 1/C#6 GREEN INSULATED GROUNDING CONDUCTOR AS SHOWN IN THE PLAN.
6. ALL NEW CONDUIT SHALL HAVE A 1/C#10 TRACER WIRE INSTALLED IN IT.
7. ALL EXISTING PEDESTRAIN PUSHBUTTON CABLE SHALL BE REMOVED FROM THE EXISTING CONDUIT SYSTEM.
8. NEW C.D. PEDESTRIAN INDICATIONS SHALL BE CONNECTED TO THE EXISTING PEDESTRIAN INDICATION CABLES.
9. ONLY NEW WIRING/CABLE IS SHOWN FOR THIS INTERSECTION.
10. REMOVE EXISTING HANDHOLE 3 AND SPLICE EXISTING CONDUITS WITH SPLIT PVC, MAINTAINING EXISTING WIRING/CABLE.
11. ADJUST EXISTING HANDHOLE 4 TO MATCH NEW FINISHED GRADE.
12. THE TRAFFIC SIGNAL SYSTEM SHALL REMAIN IN OPERATION THROUGHOUT CONSTRUCTION. IF THE TRAFFIC SIGNAL SYSTEM MUST BE TAKE OUT OF OPERATION IT SHALL BE DONE DURING OFF PEAK HOURS OR AT NIGHT WITH PROPER TEMPORARY TRAFFIC CONTROL IN PLACE.

0 20 FEET

CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: J. WITT CHECKED BY: J. WITT DRAWN BY: J. MEYER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 2:20:46 PM
CAD FILE: c:\pw_workdir\pw_ie\amj3\d0579164\0022C005.02_N19.dgn

NO	DATE	BY	REVISION DESCRIPTION

Foth

EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

TRAFFIC SIGNAL SYSTEM B
TRAFFIC SIGNAL LAYOUT
EDGEWOOD ROAD NE AT 42ND STREET NE

SHEET NO.
N.16
TAP-U-1187(793)--8I-57

pw://foth-pw.bentley.com:foth-pw-01/Documents/Clients/Cedar Rapids PW IA C/Edgewood Road NE Trail Phase 3/CAD/Plans/0022C005.02_N19

SIGNAL HEAD CHART

FACE	R	Y	FYA	G	Y	G
2-1, 2-2, 2-3, 2-4	○	○		○		
4-1, 4-2	○	○		○	→	→
5-1	←	←	←	←		
6-1, 6-2, 6-3, 6-4	○	○		○		
7-1	←	←	←	←		

(2) INPLACE: TRAFFIC SIGNAL POLE WITH
MAST ARM AND LUMINAIRE MAST ARM
LED LUMINAIRE
3-MAST ARM MOUNTED SIGNALS OVERHEAD
1-POLE MOUNTED SIGNAL
1-POLE MOUNTED PTZ DOME CAMERA
1-POLE MOUNTED RADAR DETECTION UNIT
1-MAST ARM MOUNTED RADAR DETECTION UNIT
1-SIGN OVERHEAD
F&I: 1-C.D. PED INDICATION
INPLACE: 3" CONDUIT TO HH 2 WITH:
F&I: 1-4/C#14

(3) INPLACE: LIGHT POLE WITH LUMINAIRE MAST ARM
LED LUMINAIRE
REMOVE: 1-POLE MOUNTED C.D. PED INDICATION
1-POLE MOUNTED PED PB AND SIGN
F&I: 2-POLE MOUNTED C.D. PED INDICATIONS
INPLACE: 3" CONDUIT TO HH 3 WITH
F&I: 1-4/C#14

(4) REMOVE: 2-PEDESTAL MOUNTED C.D. PED INDICATIONS
1-PED PB AND SIGN
REMOVE AND SALVAGE: 1-TRAFFIC SIGNAL PEDESTAL

STA 217+96.27,
OFF 71.47' RT
F&I: TRAFFIC SIGNAL PEDESTAL FOUNDATION
INSTALL SALVAGED: TRAFFIC SIGNAL PEDESTAL
F&I: 2-PEDESTAL MOUNTED C.D. PED INDICATIONS
1-APS PB AND SIGN (DUAL ARROW) (PB4-2)
2" CONDUIT TO HH 4 WITH:
2-4/C#14
1-2/C#14

STA 216+45.27,
OFF 10.32' LT
F&I: PED PB STATION
1-APS PB AND SIGN
(RT ARROW) (PB6-2)
1" CONDUIT TO HH 2 WITH:
1-2/C#14
1-1/C#6 INS. GR.

STA 217+53.49,
OFF 10.30' LT
F&I: PED PB STATION
1-APS PB AND SIGN
(LT ARROW) (PB6-1)
1" CONDUIT TO HH 3 WITH:
1-2/C#14
1-1/C#6 INS. GR.

STA 217+90.82,
OFF 7.50' RT
F&I: PED PB STATION
1-APS PB AND SIGN
(RT ARROW) (PB4-1)
1" CONDUIT TO HH 3 WITH:
1-2/C#14
1-1/C#6 INS. GR.

STA 217+94.01,
OFF 132.56' RT
F&I: PED PB STATION
1-APS PB AND SIGN
(LT ARROW) (PB4-3)
1" CONDUIT TO HH 5 WITH:
1-2/C#14
1-1/C#6 INS. GR.

(5) INPLACE: TRAFFIC SIGNAL POLE WITH
MAST ARM AND LUMINAIRE MAST ARM
LED LUMINAIRE
4-MAST ARM MOUNTED SIGNALS OVERHEAD
1-POLE MOUNTED SIGNAL
2-MAST ARM MOUNTED RADAR DETECTION UNITS
1-SIGN OVERHEAD
REMOVE: 1-POLE MOUNTED C.D. PED INDICATION
1-POLE MOUNTED PED PB AND SIGN
F&I: 1-POLE MOUNTED C.D. PED INDICATION
INPLACE: 3" CONDUIT TO HH 5

(A) INPLACE: CONTROLLER CABINET
SERVICE CABINET WITH BATTERY BACKUP SYSTEM

CONTROLLER CABINET TO HH 1:
2-4" CONDUITS WITH:
F&I: 4-4/C#14
5-2/C#14
1-CAT6 CABLE (BLUETOOTH)

(1) INPLACE: TRAFFIC SIGNAL POLE WITH
MAST ARM AND LUMINAIRE MAST ARM
LED LUMINAIRE
2-MAST ARM MOUNTED SIGNALS OVERHEAD
1-POLE MOUNTED SIGNAL
1-MAST ARM MOUNTED RADAR DETECTION UNIT
2-SIGNS OVERHEAD
F&I: 1-POLE MOUNTED BLUETOOTH DETECTION UNIT
INPLACE: 3" CONDUIT TO HH 1 WITH:
F&I: 1-CAT6 CABLE (BLUETOOTH)

INPLACE: 4" CONDUIT
F&I: 3-4/C#14
4-2/C#14

INPLACE: 4" CONDUIT
F&I: 1-4/C#14
2-2/C#14

INPLACE: 4" CONDUIT
F&I: 3-4/C#14
3-2/C#14

ADJUST HANDHOLE

INPLACE: 4" CONDUIT
F&I: 1-4/C#14
1-2/C#14

N RIVER BLVD NE
30 MPH

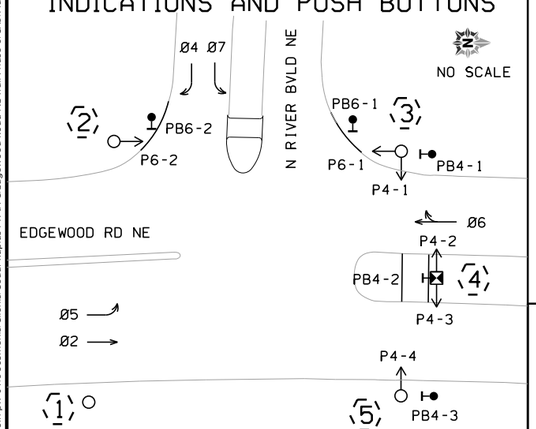
EDGEWOOD ROAD NE
40 MPH

EDGEWOOD RD NE

0 20
FEET

CONTROLLER PHASING, PEDESTRIAN INDICATIONS AND PUSH BUTTONS

NO SCALE



PEDESTRIAN PUSH BUTTONS SHALL BE LOCATED AS SHOWN ABOVE

SIGNAL SYSTEM OPERATION

- THE SIGNAL SYSTEM FLASH MODE IS ALL RED.
- NORMAL OPERATION IS 5 PHASE, WITH PHASES 5 AND 7 BEING FLASHING YELLOW ARROWS BY TIME OF DAY.
- PHASES 2 AND 6 SHALL BE ON VEHICLE RECALL.

NOTES:
1. SEE SPECIAL PROVISIONS FOR CITY FURNISHED MATERIALS.
2. THE EXACT LOCATION OF HANDHOLES AND PEDESTRIAN PUSHBUTTON STATIONS SHALL BE VERIFIED IN THE FIELD BY CITY TRAFFIC PERSONNEL.
3. THIS PLAN SPECIFIES CONDUIT SIZES, TYPES, AND GENERAL LOCATIONS. THE EXACT LOCATIONS WILL BE DETERMINED IN THE FIELD. CONDUITS UNDER THE ROADWAYS REQUIRE BORING.
4. ALL NEW CONDUIT SHALL BE PVC - SCHEDULE 80 OR HDPE SCHEDULE 80 AND SHALL CARRY 1/C#6 GREEN INSULATED GROUNDING CONDUCTOR AS SHOWN IN THE PLAN.
5. ALL NEW CONDUIT SHALL HAVE A 1/C#10 TRACER WIRE INSTALLED IN IT.
6. ALL EXISTING PEDESTRAIN PUSHBUTTON CABLE SHALL BE REMOVED FROM THE EXISTING CONDUIT SYSTEM.
7. NEW C.D. PEDESTRIAN INDICATIONS SHALL BE CONNECTED TO THE EXISTING PEDESTRIAN INDICATION CABLES WHERE AVAILABLE.
8. ONLY NEW WIRING/CABLE IS SHOWN FOR THIS INTERSECTION.
9. ADJUST EXISTING HANDHOLE 2 TO MATCH NEW FINISHED GRADE.
10. THE TRAFFIC SIGNAL SYSTEM SHALL REMAIN IN OPERATION THROUGHOUT CONSTRUCTION. IF THE TRAFFIC SIGNAL SYSTEM MUST BE TAKE OUT OF OPERATION IT SHALL BE DONE DURING OFF PEAK HOURS OR AT NIGHT WITH PROPER TEMPORARY TRAFFIC CONTROL IN PLACE.

CLIENT PROJECT NO: TAP-U-1187(793)--81-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: J. WITT CHECKED BY: J. WITT DRAWN BY: J. MEYER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 2:20:47 PM
CAD FILE: c:\pw_workdir\pw_ie\amj3\d0579164\0022C005.02_N19.dgn

NO	DATE	BY	REVISION DESCRIPTION

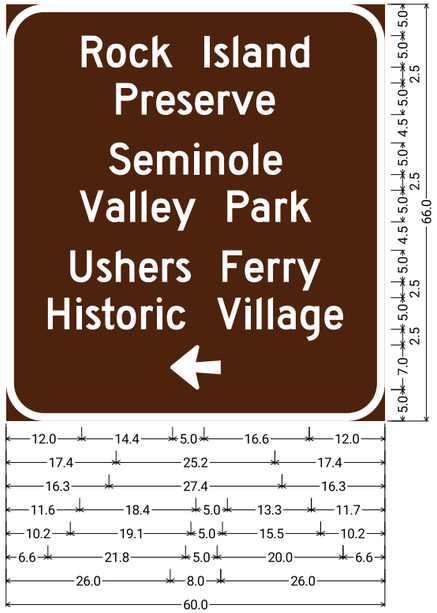
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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

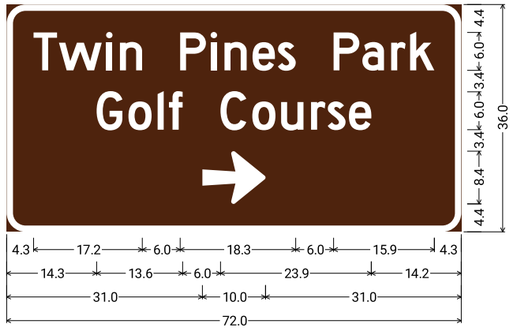
TRAFFIC SIGNAL SYSTEM C
TRAFFIC SIGNAL LAYOUT
EDGEWOOD ROAD NE AT NORHT RIVER BOULEVARD NE

SHEET NO.
N.17
TAP-U-1187(793)--81-57

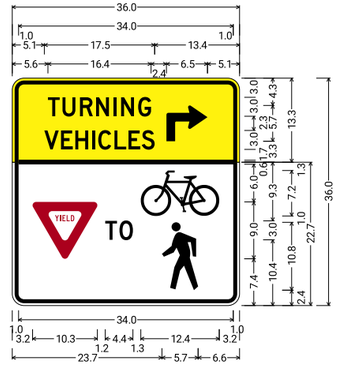
pw://foth-pw.bentley.com:foth-pw-01/Documents/Clients/Cedar Rapids PW IA C/Edgewood Road NE Trail Phase 3/CAD/Plans/0022C005.02_N19



6.0" Radius, 1.3" Border, White on Brown;
"Rock Island", D 2K; "Preserve", D 2K; "Seminole", D 2K;
"Valley Park", D 2K; "Ushers Ferry", D 2K; "Historic Village", D 2K;
Arrow 2 - 8.0" 180";

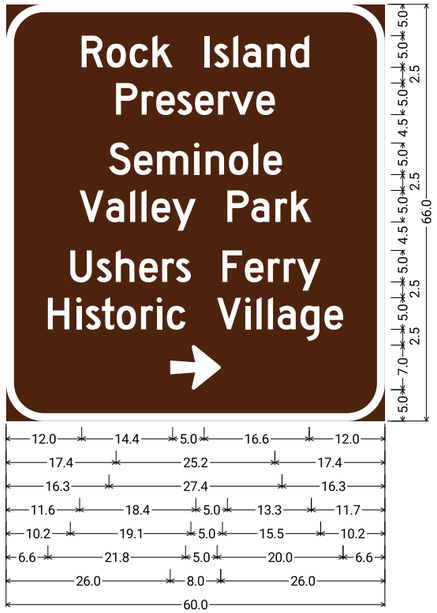


3.0" Radius, 1.0" Border, White on Brown;
"Twin Pines Park", D 2K; "Golf Course", D 2K; Arrow 3 - 10.0" 0";

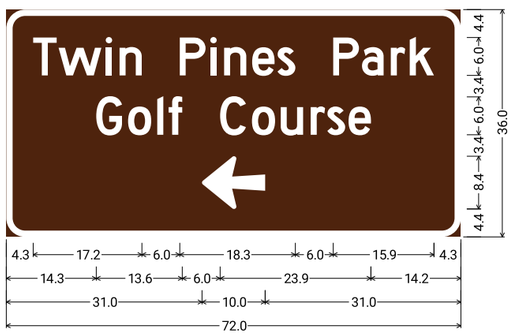


1.9" Radius, 0.6" Border, 0.4" Indent, Black on Fluorescent Yellow;
"TURNING", D 2K specified length;
"VEHICLES", D 2K specified length;
90 Deg Advance Turn Arrow Custom 6.5" X 5.7";

1.9" Radius, 0.6" Border, 0.4" Indent, Black on White;
"TO", D 2K specified length; Bicycle;



6.0" Radius, 1.3" Border, White on Brown;
"Rock Island", D 2K; "Preserve", D 2K; "Seminole", D 2K;
"Valley Park", D 2K; "Ushers Ferry", D 2K; "Historic Village", D 2K;
Arrow 2 - 8.0" 0";



3.0" Radius, 1.0" Border, White on Brown;
"Twin Pines Park", D 2K; "Golf Course", D 2K; Arrow 3 - 10.0" 180";

pw://foth-pw.bentley.com:foth-pw-01/Documents/Clients/Cedar Rapids PW IA C/Edgewood Road NE Trail Phase 3/CAD/Plans/0022C005.02_PM_SIGN

CLIENT PROJECT NO: TAP-U-1187(793)--81-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: J. MEYER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 2:28:48 PM
CAD FILE: c:\pw_workdir\pw_ie\amj3\d0579164\0022C005.02_PM_SIGN.dgn

NO	DATE	BY	REVISION DESCRIPTION

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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
PAVEMENT MARKINGS AND SIGNAGE

SHEET NO.
PM.1
TAP-U-1187(793)--81-57

100+00
101+00
102+00
103+00
104+00
14.0'
+52
+32
+46
SLW4
SLW2
+69
+44
+92
+51
3.0'
3.0'
CBW6
EDGEWOOD RD NE
+17
3.0'
3.0'
12.0'
N 3474456.45
E 5409775.25
CBW6
xRWAY
xRWAY
N 3474444.25
E 5409773.05
N 3474432.56
E 5409768.93
SLW2
SLW4
TURNING VEHICLES
TO
+27
xRWAY
N 3474469.43
E 5409653.16
REMOVE SIGN
N 3474409.01
E 5409861.03
N 3474478.19
E 5409655.43
DCY4
N 3474408.77
E 5409908.46
GLASS RD NE
N 3474379.51
E 5409976.13
xRWAY
xRWAY
xRWAY
171
GLASS ROAD INVESTMENT LLC
4250 GLASS RD NE
170
TBD INVESTMENTS LLC
3851 RIVER RIDGE DR NE
0
20
FEET

pw://foth-pw.bentley.com:foth-pw-01\Documents\Clients\Cedar Rapids PW IA C\Edgewood Road NE Trail Phase 3\CAD\Plans\0022C005.02_PM_SHT

CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: J. MEYER
LETTING DATE: 9/15/2026 CAD DATE: 6/16/2026 4:23:54 AM
CAD FILE: c:\pw_workdir\pw_ie\cjc\d0579164\0022C005.02_PM_SHT.dgn

NO	DATE	BY	REVISION DESCRIPTION

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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
PAVEMENT MARKINGS AND SIGNAGE

SHEET NO.
PM.2
TAP-U-1187(793)--8I-57

173

CARNAHAN JAMES E & CHERYL E
4455 WOODVIEW DR NE

174

CARNAHAN JAMES E & CHERYL E

177

FRYE RONALD R LIVING TRUST &
MORALES-HOWLAND ROSE A LIVING TRUST
4422 WOOODVIEW DR NE

178

DANZER JEFFERY A &
MORRISON KIMBERLY K
4423 WILLOWBROOK DR NE

105+00

106+00

107+00

108+00

109+00

110+00

111+00

RWAY

xRWAY

+28

+57

+47

BLW4

ELY4

EDGEWOOD RD NE

RIVER CENTER CT NE

169

STL CARE COMPANY
4251 RIVER CENTER CT NE

168

JJO LLC & T R HOLDINGS L C
4250 RIVER CENTER CT NE

0 20
FEET

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CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: J. MEYER
LETTING DATE: 9/15/2026 CAD DATE: 6/16/2026 4:24:13 AM
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NO	DATE	BY	REVISION DESCRIPTION

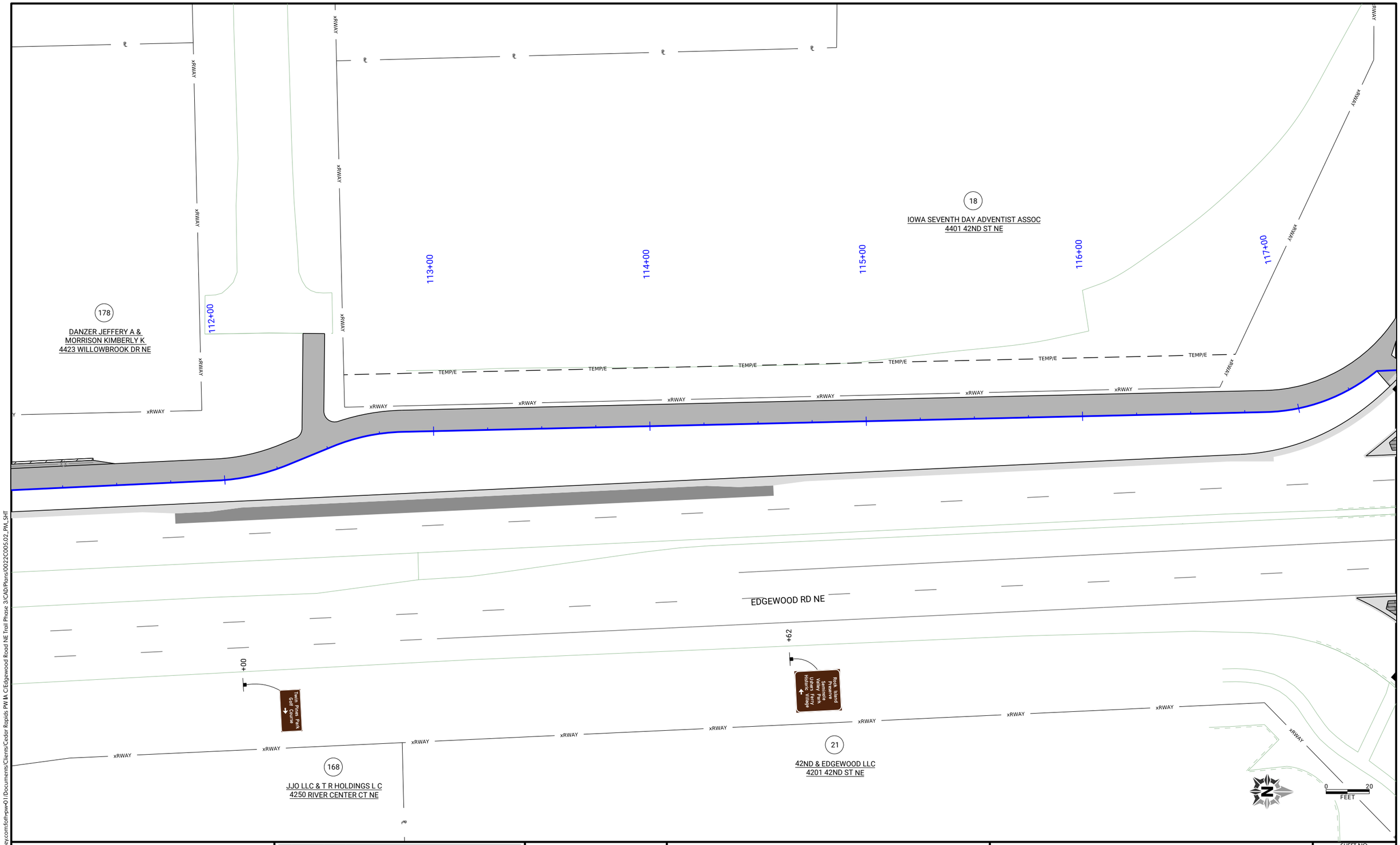
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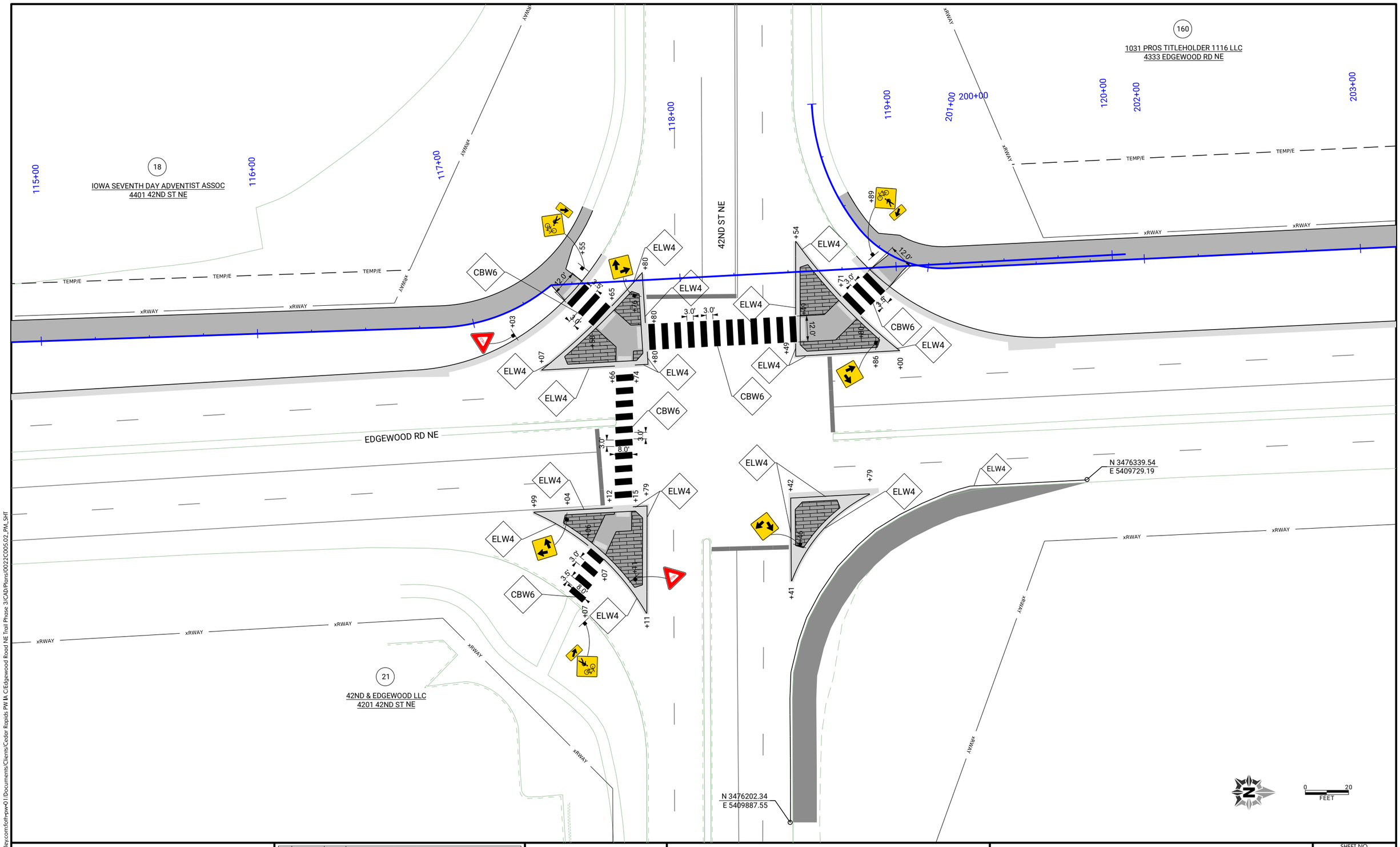
EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE

CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
PAVEMENT MARKINGS AND SIGNAGE

SHEET NO.
PM.3
TAP-U-1187(793)--8I-57


xRWAY
xRWAY
xRWAY



CLIENT PROJECT NO:	TAP-U-1187(793)--8I-57	FOTH PROJECT NO:	0022C005.02
DESIGNED BY:	K. WOLLNER	CHECKED BY:	C. CARPER
DRAWN BY:	J. MEYER		
LETTING DATE:	9/15/2026	CAD DATE:	6/16/2026 4:19:43 AM
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NO	DATE	BY	REVISION DESCRIPTION

Foth

EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
PAVEMENT MARKINGS AND SIGNAGE

SHEET NO.
PM.5
TAP-U-1187(793)--8I-57

pw://foth-pw.bentley.com:foth-pw-01:Documents/Clients/Cedar Rapids PW IA C/Edgewood Road NE Trail Phase 3/CAD/Plans/0022C005.02_PM_SHT

160

1031 PROS TITLEHOLDER 1116 LLC
4333 EDGEWOOD RD NE

201+00
200+00
120+00
202+00
203+00
204+00
205+00
206+00
207+00

xRWAY
TEMP/E
xRWAY

SPEED LIMIT 40
INVID PHOTO ENFORCED

Rock Island Preserve
Seminole Valley Park
Ushers Ferry Historic Village

Twin Pines Park Golf Course

+15
+05
+26
+83
+38

EDGEWOOD RD NE

0 20
FEET

pw://foth-pw.bentley.com:foth-pw-01/Documents/Clients/Cedar Rapids PW IA C/Edgewood Road NE Trail Phase 3/CAD/Plans/0022C005.02_PM_SHT

CLIENT PROJECT NO: TAP-U-1187(793)--81-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: J. MEYER
LETTING DATE: 9/15/2026 CAD DATE: 6/16/2026 4:35:30 AM
CAD FILE: c:\pw_workdir\pw_ie\cjc\d0579164\0022C005.02_PM_SHT.dgn

NO	DATE	BY	REVISION DESCRIPTION

Foth

EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
PAVEMENT MARKINGS AND SIGNAGE

SHEET NO.
PM.6
TAP-U-1187(793)--81-57

160

1031 PROS TITLEHOLDER 1116 LLC
4333 EDGEWOOD RD NE

208+00
209+00
210+00
211+00
212+00
213+00

TEMP/E

xRWAY

TURNING VEHICLES

+00
+43
+32
+42

SLW4

EDGEWOOD RD NE

0 20
FEET

pw://foth-pw.bentley.com:foth-pw-01/Documents/Clients/Cedar Rapids PW IA C/Edgewood Road NE Trail Phase 3/CAD/Plans/0022C005.02_PM_SHT

CLIENT PROJECT NO: TAP-U-1187(793)--81-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: J. MEYER
LETTING DATE: 9/15/2026 CAD DATE: 6/16/2026 4:37:03 AM
CAD FILE: c:\pw_workdir\pw_ie\cjc\d0579164\0022C005.02_PM_SHT.dgn

NO	DATE	BY	REVISION DESCRIPTION

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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
PAVEMENT MARKINGS AND SIGNAGE

SHEET NO.
PM.7
TAP-U-1187(793)--81-57

214+00
215+00
216+00
217+00
218+00
219+00

161
1031 PROS TITLEHOLDER 1116 LLC
4515 N RIVER BLVD NE

162
SCRAPPER LLC
4835 EDGEWOOD RD NE

N RIVER BLVD NE

EDGEWOOD RD NE

TEMP/E
xRWAY
RWAY

SLW2
CBW6

+53
+57
+84
+96
+41
+01
+82
+98

3.0'
12.0'
14.0'

0 20
FEET

pw://foth-pw.bentley.com:foth-pw-01/Documents/Clients/Cedar Rapids PW IA C/Edgewood Road NE Trail Phase 3/CAD/Plans/0022C005.02_PM_SHT

CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: J. MEYER
LETTING DATE: 9/15/2026 CAD DATE: 6/16/2026 4:25:42 AM
CAD FILE: c:\pw_workdir\pw_ie\cjc\d0579164\0022C005.02_PM_SHT.dgn

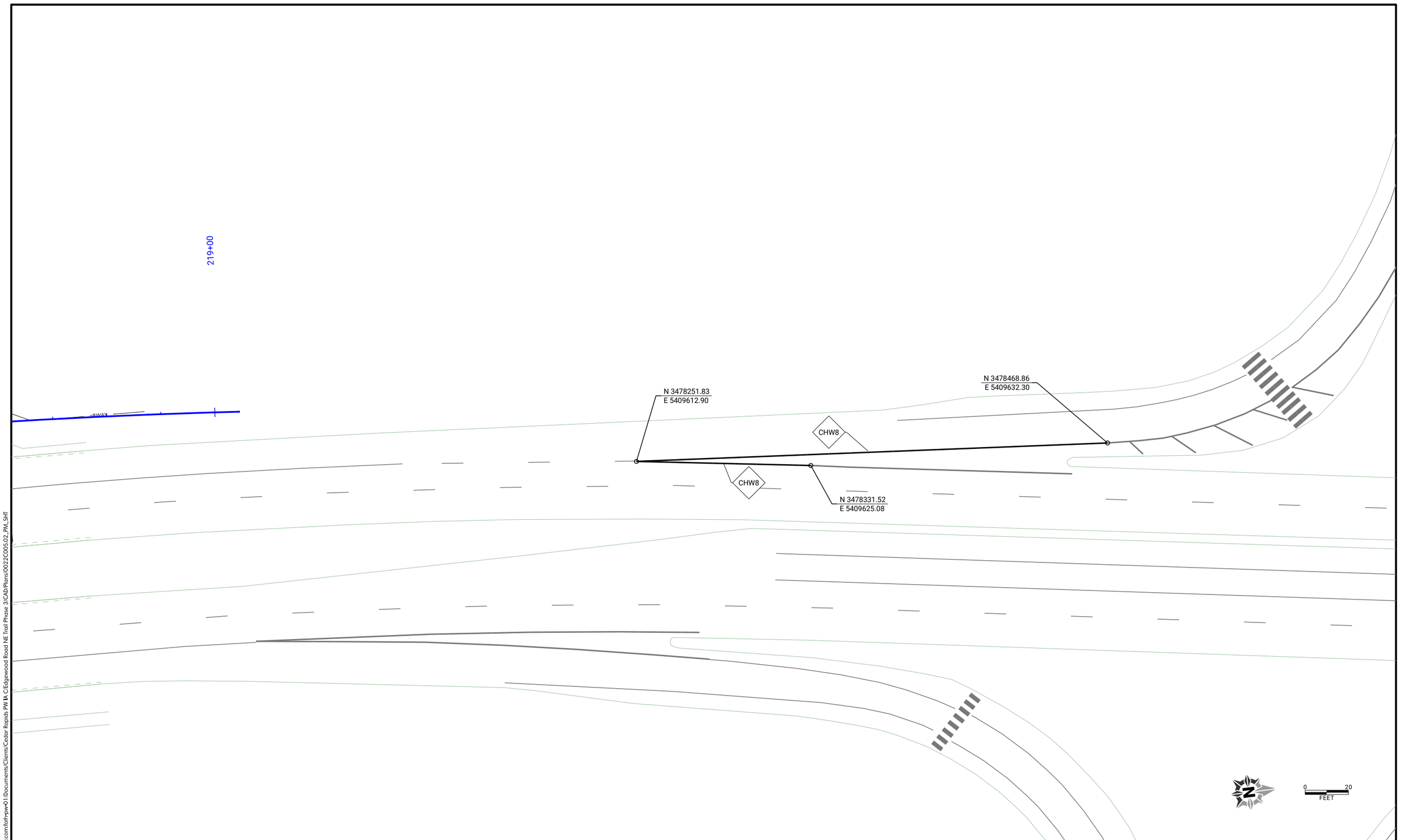
NO	DATE	BY	REVISION DESCRIPTION

Foth

EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
PAVEMENT MARKINGS AND SIGNAGE

SHEET NO.
PM.8
TAP-U-1187(793)--8I-57



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CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: J. MEYER
LETTING DATE: 9/15/2026 CAD DATE: 6/16/2026 4:26:01 AM
CAD FILE: c:\pw_workdir\pw_ie\cjc\d0579164\0022C005.02_PM_SHT.dgn

NO	DATE	BY	REVISION DESCRIPTION

Foth

EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
PAVEMENT MARKINGS AND SIGNAGE

SHEET NO.
PM.9
TAP-U-1187(793)--8I-57

165
NEW BUFFALO LAND CO LLC

166
NEW BUFFALO LAND CO LLC
5240 BUFFALO RIDGE DR NE

167
BUFFALO RIDGE RENTALS LLC
5425 EDGEWOOD RD NE

305+00
306+00
307+00
308+00
309+00
310+00
311+00
312+00
313+00
314+00

xRWAY
xRWAY
xRWAY

Edgewood Road NE Trail
North River Boulevard NE to Glass Road NE | Cedar Rapids, Iowa
Terracon Project No. 06235111

Terracon
2640 12th St SW
Cedar Rapids, IA

Boring Log No. B-101

Location: See Exploration Plan

Latitude: 42.0258° Longitude: -91.7026°
Northing: 3477629 Easting: 5409575

Depth (Ft.) Approximate Elevation: 850.5 (Ft.)

Model Layer	Graphic Log	Depth (Ft.)	Water Level Observations	Sample Type	Recovery (In.)	Field Test Results	Unconfined Compression Test (psi)	HP (tsf)	Strength Test: Test Type	Strength Test: Compressive Strength (tsf)	Strength Test: Strain (%)	Water Content (%)	Dry Unit Weight (pcf)	Atterberg Limits: LL-PL-PI	Percent Fines
		0.4													
		5" Topsoil with 3" Root Zone 850.1													
		FILL - CLAYEY SAND, gray and brown, occasional sand and crushed limestone layers			13	4-5-5 N=10						11.8			
					12	2-1-2 N=3						14.5			
					3							12.9			
		9.0 841.5													
1		**FILL - CLAYEY SAND**, fine to medium grained, brown and gray			9	0-2-2 N=4						13.9			
		12.0 838.5													
3		**CLAYEY SAND (SC)**, fine to medium grained, brown, very loose			13	2-1-1 N=2						15.1			
		18.0 832.5													
4		**SANDY LEAN CLAY (CL)**, trace gravel, occasional sand seams, grayish-brown, stiff			17			1.5	UC	1.43	15	11.7	123		
		21.0 829.5													
6		**LIMESTONE**, highly weathered			0	SPT = 50/0"									
		22.5 828													
		SPT and Auger Refusal at 22.5 Feet													

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).
See Supporting Information for explanation of symbols and abbreviations.
Elevation Reference: Elevation provided by Foth.

Water Level Observations
21' while drilling/sampling
16.5' after boring
Cave-in @ 16.5' after boring

Drill Rig
1206 - CME550X

Hammer Type
CME Automatic

Driller
DL

Logged by
KW

Boring Started
10-21-2025

Boring Completed
10-21-2025

Advancement Method
Hollow Stem Auger to termination depth.

Abandonment Method
Boring backfilled with auger cuttings upon completion.

Notes

Facilities | Environmental | Geotechnical | Materials

Edgewood Road NE Trail
North River Boulevard NE to Glass Road NE | Cedar Rapids, Iowa
Terracon Project No. 06235111

Terracon
2640 12th St SW
Cedar Rapids, IA

Boring Log No. B-1

Location: See Exploration Plan

Latitude: 42.0253° Longitude: -91.7026°
Northing: 3477446 Easting: 5409580

Depth (Ft.) Approximate Elevation: 847 (Ft.)

Model Layer	Graphic Log	Depth (Ft.)	Water Level Observations	Sample Type	Recovery (In.)	Field Test Results	Unconfined Compression Test (psi)	HP (tsf)	Strength Test: Test Type	Strength Test: Compressive Strength (tsf)	Strength Test: Strain (%)	Water Content (%)	Dry Unit Weight (pcf)	Atterberg Limits: LL-PL-PI	Percent Fines
		FILL - SANDY SILT WITH GRAVEL, trace cobbles, gray 1.0 846													
		2.0 845			15	8-7-4 N=11						9.0 12.1			
1		**FILL - CRUSHED LIMESTONE and SAND**, trace silt, brown and gray 3.0 844													
		FILL - SANDY SILT, brown and gray													
		FILL - SANDY LEAN CLAY WITH GRAVEL, gray and brown			9				UC	1.78	2.7	8.9	126		
		6.5 840.5													
		LEAN CLAY (CL), trace sand, brown, soft			12	1-2-1 N=3		0.5				17.2			
		9.0 838													
2		**SANDY SILT (ML)**, grayish brown and brown, medium stiff			7			1.0				10.4			
		13.0 834													
		SILTY SAND (SM), fine to medium grained, brown, medium dense			13	6-7-3 N=10						15.7			
3		**SANDY LEAN CLAY (CL)**, trace gravel, brown, medium stiff													
		20.5 826.5			17	1-2-2 N=4		0.75				14.2			
		Boring Terminated at 20.5 Feet													

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).
See Supporting Information for explanation of symbols and abbreviations.
Elevation Reference: Elevation from IDNR LiDAR Tool

Water Level Observations
15' while drilling/sampling
No water observed after boring
Cave-in @ 14' after boring

Drill Rig
719 - CME 550X

Hammer Type
CME Automatic

Driller
DL

Logged by
CL

Boring Started
09-13-2023

Boring Completed
09-13-2023

Advancement Method
Hollow Stem Auger to termination depth.

Abandonment Method
Boring backfilled with auger cuttings upon completion.

Notes

Facilities | Environmental | Geotechnical | Materials

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CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: _____ CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 3:26:19 PM
CAD FILE: c:\pw_workdir\pw_ie\amj3\d0579164\0022C005.02_Q_SHT.dgn

NO	DATE	BY	REVISION DESCRIPTION

Foth

EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

SOIL BORINGS

SHEET NO.
Q.1
TAP-U-1187(793)--8I-57

Edgewood Road NE Trail
North River Boulevard NE to Glass Road NE | Cedar Rapids, Iowa
Terracon Project No. 06235111

Terracon
2640 12th St SW
Cedar Rapids, IA

Boring Log No. B-102

Location: See Exploration Plan

Latitude: 42.0249° Longitude: -91.7026°
Northing: 3477294 Easting: 5409602

Depth (Ft.) Approximate Elevation: 853 (Ft.)

Model Layer	Graphic Log	Depth (Ft.)	Water Level Observations	Sample Type	Recovery (In.)	Field Test Results	Unconfined Compression Test (psi)	HP (tsf)	Strength Test: Test Type	Strength Test: Compressive Strength (tsf)	Strength Test: Strain (%)	Water Content (%)	Dry Unit Weight (pcf)	Atterberg Limits: LL-PL-PI	Percent Fines
		0.3 / 852.75				**3" Topsoil / Root Zone**									
		1.0 / 852				**FILL - POORLY GRADED SAND**, trace gravel, brown									
1					14	5-4-5 N=9						12.1		24-15-9	48.8
1					12	5-7-6 N=13						10.3			
1					15	3-2-2 N=4						14.2			
		8.0 / 845				**FILL - SILTY CLAYEY SAND**, trace organics and rootlets, dark brown									
1		10	▽		13				UC	0.74	4.1	14.5	107	21-17-4	47.3
		12.0 / 841				**CLAYEY SAND (SC)**, fine to coarse grained, brown, loose, occasional silty sand layers									
3		15			11	5-5-1 N=6						19.3			
3		20			9	2-2-2 N=4						17.0		23-11-12	47.1
		22.5 / 830.5				**SANDY LEAN CLAY (CL)**, trace gravel, occasional sand seams, brown, medium stiff									
4		25	▽		18	3-2-2 N=4		1.0				13.5		29-12-17	55.4
		28.0 / 825													
		28.1 / 824.9			1	SPT = 50/1"									

SPT and Auger Refusal at 28.1 Feet

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (if any).
See Supporting Information for explanation of symbols and abbreviations.
Elevation Reference: Elevation provided by Foth.

Water Level Observations
▽ 10' while drilling/sampling
▽ 23' after boring
Cave-in @ 23' after boring

Drill Rig
1206 - CME550X

Hammer Type
CME Automatic

Driller
DL

Logged by
KW

Boring Started
10-21-2025

Boring Completed
10-21-2025

Notes

Advancement Method
Hollow Stem Auger to termination depth.

Abandonment Method
Boring backfilled with auger cuttings upon completion.

Facilities | Environmental | **Geotechnical** | Materials

Edgewood Road NE Trail
North River Boulevard NE to Glass Road NE | Cedar Rapids, Iowa
Terracon Project No. 06235111

Terracon
2640 12th St SW
Cedar Rapids, IA

Boring Log No. B-103

Location: See Exploration Plan

Latitude: 42.0200° Longitude: -91.7025°
Northing: 3475527 Easting: 5409674

Depth (Ft.) Approximate Elevation: 847.5 (Ft.)

Model Layer	Graphic Log	Depth (Ft.)	Water Level Observations	Sample Type	Recovery (In.)	Field Test Results	Unconfined Compression Test (psi)	HP (tsf)	Strength Test: Test Type	Strength Test: Compressive Strength (tsf)	Strength Test: Strain (%)	Water Content (%)	Dry Unit Weight (pcf)	Atterberg Limits: LL-PL-PI	Percent Fines
		0.4 / 847.1				**5" Topsoil / Root Zone**									
		1.5 / 846				**FILL - RUBBLE**									
1					10	40-3-5 N=8						18.1			
		4.0 / 843.5				**LEAN CLAY (CL)**, trace sand, gray and brown mottled, medium stiff to stiff									
		5			20			1.75	UC	0.96	7.4	22.3	105		
					14	2-2-2 N=4		0.5				23.8			
		10	▽		19			0.5				26.6	109		
		12.0 / 835.5				soft below about 6.5 feet									
2						**LEAN CLAY (CL)**, trace sand, light gray, stiff									
2		15			13	3-4-5 N=9		1.5				24.9			
2						very stiff below about 19 feet									
		20			15	4-6-10 N=16		2.25				22.4			
		23.0 / 824.5				**SANDY FAT CLAY (CH)**, greenish-gray and brown, stiff to very stiff									
5		25			11	5-7-6 N=13		2.5				12.5			
		26.5 / 821				**LIMESTONE**, highly weathered									
6		28.8 / 818.7				SPT = 50/3"									

SPT and Auger Refusal at 28.75 Feet

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (if any).
See Supporting Information for explanation of symbols and abbreviations.
Elevation Reference: Elevation from USGS National Map

Water Level Observations
▽ 11' while drilling/sampling
▽ 17' after boring
Cave-in @ 17' after boring

Drill Rig
1206 - CME550X

Hammer Type
CME Automatic

Driller
DL

Logged by
KW

Boring Started
10-27-2025

Boring Completed
10-27-2025

Notes

Advancement Method
Hollow Stem Auger to termination depth.

Abandonment Method
Boring backfilled with auger cuttings upon completion.

Facilities | Environmental | **Geotechnical** | Materials

CLIENT PROJECT NO:	TAP-U-1187(793)--8I-57	FOTH PROJECT NO:	0022C005.02
DESIGNED BY:		CHECKED BY: C. CARPER	DRAWN BY: K. WOLLNER
LETTING DATE:	9/15/2026	CAD DATE: 6/15/2026	3:26:21 PM
CAD FILE:	c:\pw_workdir\pw_ie\amj3\d0579164\0022C005.02_Q_SHT.dgn		

NO	DATE	BY	REVISION DESCRIPTION

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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

SOIL BORINGS

SHEET NO.
Q.2
TAP-U-1187(793)--8I-57

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Edgewood Road NE Trail
North River Boulevard NE to Glass Road NE | Cedar Rapids, Iowa
Terracon Project No. 06235111

Terracon
2640 12th St SW
Cedar Rapids, IA

Boring Log No. B-2

Location: Offset: 6° N, 11.5' E due to utilities
Latitude: 42.0197° Longitude: -91.7023°
Northing: 3475417 Easting: 5409721
Depth (Ft.) Approximate Elevation: 845 (Ft.)

Model Layer	Graphic Log	Depth (Ft.)	Water Level Observations	Sample Type	Recovery (In.)	Field Test Results	Unconfined Compression Test (psi)	HP (tsf)	Strength Test: Test Type	Strength Test: Compressive Strength (tsf)	Strength Test: Strain (%)	Water Content (%)	Dry Unit Weight (pcf)	Atterberg Limits: LL-PL-PI	Percent Fines
		0.8 **9" Asphalt** 844.2													
		1.5 **9" Crushed Limestone** 843.5													
1		**FILL - CLAYEY SAND**, trace gravel, grayish brown and brown, unusual odor			18	7-9-9 N=18						7.6 9.5		26-12-14	22.5
		sand layers below about 4 feet			18	6-7-9 N=16						10.9			
		6.0 839													
		FILL - SANDY LEAN CLAY, gray			18	4-2-3 N=5						11.7			
		9.0 836													
2		**LEAN CLAY (CL)**, trace sand, light gray and brown, stiff			15			2.0	UC	1.56	8.9	17.9	107		
		medium stiff below about 14 feet			17			1.0	UC	0.74	11.4	24.6	98		
		18.0 827													
		LEAN CLAY (CL), trace sand, gray, medium stiff			18	2-3-3 N=6		1.0				17.4			
		20.5 824.5													
		Boring Terminated at 20.5 Feet													

Depth (Ft.): 5, 10, 15, 20

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (if any).
See Supporting Information for explanation of symbols and abbreviations.
Elevation Reference: Elevation from IDNR LiDAR Tool

Water Level Observations
13.5' while drilling/sampling
17' after boring and rising
No Cave-in

Notes

Advancement Method
Hollow Stem Auger to termination depth.

Abandonment Method
Boring backfilled with auger cuttings upon completion. Patched asphalt.

Drill Rig
719 - CME 550X

Hammer Type
CME Automatic

Driller
DL

Logged by
CL

Boring Started
09-13-2023

Boring Completed
09-13-2023

pw://foth-pw.bentley.com:foth-pw-01/Documents/Clients/Cedar Rapids PW IA C/Edgewood Road NE Trail Phase 3/CAD/Plans/0022C005.02_Q_SHT

CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 3:26:22 PM
CAD FILE: c:\pw_workdir\pw_ie\amj3\d0579164\0022C005.02_Q_SHT.dgn

NO	DATE	BY	REVISION DESCRIPTION

Foth

EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

SOIL BORINGS

SHEET NO.
Q.3
TAP-U-1187(793)--8I-57

Edgewood Road NE Trail
North River Boulevard NE to Glass Road NE | Cedar Rapids, Iowa
Terracon Project No. 06235111

Terracon
2640 12th St SW
Cedar Rapids, IA

Boring Log No. B-104

Location: See Exploration Plan
Latitude: 42.0193° Longitude: -91.7022°
Northing: 3475269 Easting: 5409739
Depth Approximate Elevation: 840.5 (Ft.)

Model Layer	Graphic Log	Depth (Ft.)	Water Level Observations	Sample Type	Recovery (In.)	Field Test Results	Unconfined Compression Test (psi)	HP (tsf)	Strength Test: Test Type	Strength Test: Compressive Strength (tsf)	Strength Test: Strain (%)	Water Content (%)	Dry Unit Weight (pcf)	Atterberg Limits: LL-PL-PI	Percent Fines
		0.5													
					15	5-7-6 N=13						13.4			
		5			13	5-4-3 N=7						18.1			
1					11				UC	0.72	8.6	11.9	117		
		10			16	2-2-2 N=4						15.3			
3		15			15	2-1-0 N=1						19.4			12.8
5		20			11	7-4-3 N=7						25.8			
		25			6	3-22-15 N=37									
6					1	SPT = 50/1"	20110		UC			0.2	167		
		30				Rec. = 96% RQD = 75%	17140		UC			0.6	165		

0.5 6" Crushed Limestone 840

FILL - CLAYEY SAND, trace gravel, greenish-gray and brown, occasional sand layers

6.0 834.5

FILL - SANDY LEAN CLAY, trace gravel, brown

12.0 828.5

SILTY SAND (SM), trace gravel, fine to coarse grained, dark gray and gray, loose
very loose below about 14 feet

18.5 822

FAT CLAY (CH), trace sand, gray and brown, medium stiff

21.0 819.5

LIMESTONE, light brown, highly weathered

27.0 813.5

LIMESTONE, light brown and gray, intense to moderate fracture spacing, very thin bedding, moderately weathered, very strong

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).
See Supporting Information for explanation of symbols and abbreviations.
Elevation Reference: Elevation from USGS National Map

Water Level Observations
14' while drilling/sampling
9' after boring
Cave-in @ 20' after boring

Drill Rig
1206 - CME550X

Hammer Type
CME Automatic

Driller
DL

Logged by
KW

Boring Started
10-27-2025

Boring Completed
10-27-2025

Notes

Advancement Method
Hollow Stem Auger: 0 to 27'
Rock Core: 27' to termination depth.

Abandonment Method
Boring backfilled with auger cuttings upon completion.

Edgewood Road NE Trail
North River Boulevard NE to Glass Road NE | Cedar Rapids, Iowa
Terracon Project No. 06235111

Terracon
2640 12th St SW
Cedar Rapids, IA

Boring Log No. B-104

Location: See Exploration Plan
Latitude: 42.0193° Longitude: -91.7022°
Northing: 3475269 Easting: 5409739
Depth Approximate Elevation: 840.5 (Ft.)

Model Layer	Graphic Log	Depth (Ft.)	Water Level Observations	Sample Type	Recovery (In.)	Field Test Results	Unconfined Compression Test (psi)	HP (tsf)	Strength Test: Test Type	Strength Test: Compressive Strength (tsf)	Strength Test: Strain (%)	Water Content (%)	Dry Unit Weight (pcf)	Atterberg Limits: LL-PL-PI	Percent Fines
6		35													

LIMESTONE, light brown and gray, intense to moderate fracture spacing, very thin bedding, moderately weathered, very strong *(continued)*

37.0 803.5

Boring Terminated at 37 Feet

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).
See Supporting Information for explanation of symbols and abbreviations.
Elevation Reference: Elevation from USGS National Map

Water Level Observations
14' while drilling/sampling
9' after boring
Cave-in @ 20' after boring

Drill Rig
1206 - CME550X

Hammer Type
CME Automatic

Driller
DL

Logged by
KW

Boring Started
10-27-2025

Boring Completed
10-27-2025

Notes

Advancement Method
Hollow Stem Auger: 0 to 27'
Rock Core: 27' to termination depth.

Abandonment Method
Boring backfilled with auger cuttings upon completion.

Facilities | Environmental | Geotechnical | Materials

pw://foth-pw.bentley.com:foth-pw-01\Documents\Clients\Cedar Rapids PW IA C\Edgewood Road NE Trail Phase 3\CAD\Plans\0022C005.02_Q_SHT

CLIENT PROJECT NO:	TAP-U-1187(793)--8I-57	FOTH PROJECT NO:	0022C005.02
DESIGNED BY:		CHECKED BY: C. CARPER	DRAWN BY: K. WOLLNER
LETTING DATE:	9/15/2026	CAD DATE: 6/15/2026	3:26:23 PM
CAD FILE:	c:\pw_workdir\pw_ie\amj3\d05791641\0022C005.02_Q_SHT.dgn		

NO	DATE	BY	REVISION DESCRIPTION

Foth

EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

SOIL BORINGS

SHEET NO.
Q.4
TAP-U-1187(793)--8I-57

Edgewood Road NE Trail
North River Boulevard NE to Glass Road NE | Cedar Rapids, Iowa
Terracon Project No. 06235111

Terracon
2640 12th St SW
Cedar Rapids, IA

Boring Log No. B-105

Location: See Exploration Plan

Latitude: 42.0189° Longitude: -91.7024°
Northing: 3475141 Easting: 5409709

Depth (Ft.) Approximate Elevation: 834 (Ft.)

Model Layer	Graphic Log	Depth (Ft.)	Water Level Observations	Sample Type	Recovery (In.)	Field Test Results	Unconfined Compression Test (psi)	HP (tsf)	Strength Test: Test Type	Strength Test: Compressive Strength (tsf)	Strength Test: Strain (%)	Water Content (%)	Dry Unit Weight (pcf)	Atterberg Limits: LL-PL-PI	Percent Fines
		0.2 **2" Asphalt** 833.84													
		0.9 **8" Crushed Limestone** 833.1													
1		**FILL - SANDY SILTY CLAY**, trace gravel, brown													
					9	4-3-3 N=6						11.1			
		5			11	2-3-5 N=8						19.2			
					10	4-6-6 N=12						14.0			
		10			13	2-3-4 N=7						13.7		22-15-7	58.9
		12.0 822													
4		**SANDY LEAN CLAY (CL)**, trace gravel, occasional sand seams, bluish-gray, stiff to very stiff													
		15	▽		19			2.0	UC	2.05	10.7	15.7	116	39-14-25	54.1
		18.5 815.5													
6		19.1 **LIMESTONE**, highly weathered 814.9				SPT = 50/1"									
		SPT and Auger Refusal at 19.1 Feet													

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (if any).
See Supporting Information for explanation of symbols and abbreviations.
Elevation Reference: Elevation from USGS National Map

Water Level Observations
▽ 18.5' while drilling/sampling
▽ 16' after boring
Cave-in @ 16' after boring

Drill Rig
1206 - CME550X

Hammer Type
CME Automatic

Driller
DL

Logged by
KW

Boring Started
10-27-2025

Boring Completed
10-27-2025

Notes

Advancement Method
Hollow Stem Auger to termination depth.

Abandonment Method
Boring backfilled with auger cuttings upon completion.

Facilities | Environmental | Geotechnical | Materials

Edgewood Road NE Trail
North River Boulevard NE to Glass Road NE | Cedar Rapids, Iowa
Terracon Project No. 06235111

Terracon
2640 12th St SW
Cedar Rapids, IA

Boring Log No. B-3

Location: See Exploration Plan

Latitude: 42.0184° Longitude: -91.7023°
Northing: 3474961 Easting: 5409735

Depth (Ft.) Approximate Elevation: 832 (Ft.)

Model Layer	Graphic Log	Depth (Ft.)	Water Level Observations	Sample Type	Recovery (In.)	Field Test Results	Unconfined Compression Test (psi)	HP (tsf)	Strength Test: Test Type	Strength Test: Compressive Strength (tsf)	Strength Test: Strain (%)	Water Content (%)	Dry Unit Weight (pcf)	Atterberg Limits: LL-PL-PI	Percent Fines
		0.3 **3" Asphalt** 831.75													
		1.0 **9" Crushed Limestone** 831													
1		**FILL - SANDY LEAN CLAY**, with sand layers, brown													
					16	7-3-3 N=6						10.5			
		4.0 828													
2		**LEAN CLAY (CL)**, trace													
		5.0 sand, brown, medium stiff 827													
		5 **SILTY SAND (SM)**, fine grained, brown, loose			18	3-2-4 N=6		1.0				17.8			
		6.5 825.5										8.5			
		SILTY SAND (SM), with clay seams, fine to medium grained, gray, medium			17	5-9-11 N=20						11.8			
		8.5 dense 823.5													
3		**SANDY LEAN CLAY (CL)**, trace gravel, brown and gray, medium stiff			18	3-3-4 N=7						14.2			
		10 grayish brown, soft below about 12 feet													
		15	▽		15	0-0-2 N=2		0.5				18.3			
		16.0 816													
		SILTY SAND (SM), occasional clay seams, gray and brown, loose	▽												
		20			16	2-3-3 N=6						29.8			
		20.5 811.5													
		Boring Terminated at 20.5 Feet													

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (if any).
See Supporting Information for explanation of symbols and abbreviations.
Elevation Reference: Elevation from IDNR LiDAR Tool

Water Level Observations
▽ 19' while drilling/sampling
▽ 18' after boring
No Cave-in

Drill Rig
719 - CME 550X

Hammer Type
CME Automatic

Driller
DL

Logged by
CL

Boring Started
09-13-2023

Boring Completed
09-13-2023

Notes

Advancement Method
Power Auger to termination depth.

Abandonment Method
Boring backfilled with auger cuttings upon completion. Patched asphalt.

Facilities | Environmental | Geotechnical | Materials

pw://foth-pw.bentley.com:foth-pw-01/Documents/Clients/Cedar Rapids PW IA C/Edgewood Road NE Trail Phase 3/CAD/Plans/0022C005.02_Q_SHT

CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 3:26:24 PM
CAD FILE: c:\pw_workdir\pw_ie\amj3\d0579164\0022C005.02_Q_SHT.dgn

NO	DATE	BY	REVISION DESCRIPTION

Foth

EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

SOIL BORINGS

SHEET NO.
Q.5
TAP-U-1187(793)--8I-57

Edgewood Road NE Trail
North River Boulevard NE to Glass Road NE | Cedar Rapids, Iowa
Terracon Project No. 06235111

Terracon
2640 12th St SW
Cedar Rapids, IA

Boring Log No. B-106

Model Layer	Graphic Log	Location: See Exploration Plan Latitude: 42.0180° Longitude: -91.7023° Northing: 3474810 Easting: 5409719 Depth (Ft.) Approximate Elevation: 829 (Ft.)	Depth (Ft.)	Water Level Observations	Sample Type	Recovery (In.)	Field Test Results	Unconfined Compression Test (psi)	HP (tsf)	Strength Test: Test Type	Strength Test: Compressive Strength (tsf)	Strength Test: Strain (%)	Water Content (%)	Dry Unit Weight (pcf)	Atterberg Limits: LL-PL-PI	Percent Fines
		12" Crushed Limestone 1.0 828														
1		**FILL - SILTY SAND**, trace gravel, fine to coarse grained, brown, occasional clay layers 6.0 823				13	4-5-4 N=9						11.2			
			5			10	2-7-4 N=11						18.4			26.3
		SILTY SAND (SM), trace gravel, fine to coarse grained, grayish-brown, loose to medium dense, occasional clay layers				14	5-6-6 N=12						10.8			
			10			121	2-2-2 N=4						10.9			32.9
			15			16							12.8			
3		17.0 812 **SILTY SAND (SM)**, fine to medium grained, gray, loose 22.0 807														
		POORLY GRADED SAND WITH SILT (SP-SM), trace gravel, fine to medium grained, brown, very loose 29.5 799.5	20			13	2-2-3 N=5						17.0			12.3
			25			14	2-1-2 N=3						20.1			7.7
6		**LIMESTONE**, highly weathered 30.5 798.5	30			7	SPT = 1-50/2"						32.4			

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (if any).
See Supporting Information for explanation of symbols and abbreviations.
Elevation Reference: Elevation from USGS National Map

Water Level Observations
19' while drilling/sampling
19' after boring
Cave-in @ 19' after boring

Drill Rig
1206 - CME550X

Hammer Type
CME Automatic

Driller
DL

Logged by
KW

Boring Started
10-27-2025

Boring Completed
10-27-2025

Notes

Advancement Method
Hollow Stem Auger: 0 to 30.5'
Rock Core: 30.5' to termination depth.

Abandonment Method
Boring backfilled with auger cuttings upon completion.

Edgewood Road NE Trail
North River Boulevard NE to Glass Road NE | Cedar Rapids, Iowa
Terracon Project No. 06235111

Terracon
2640 12th St SW
Cedar Rapids, IA

Boring Log No. B-106

Model Layer	Graphic Log	Location: See Exploration Plan Latitude: 42.0180° Longitude: -91.7023° Northing: 3474810 Easting: 5409719 Depth (Ft.) Approximate Elevation: 829 (Ft.)	Depth (Ft.)	Water Level Observations	Sample Type	Recovery (In.)	Field Test Results	Unconfined Compression Test (psi)	HP (tsf)	Strength Test: Test Type	Strength Test: Compressive Strength (tsf)	Strength Test: Strain (%)	Water Content (%)	Dry Unit Weight (pcf)	Atterberg Limits: LL-PL-PI	Percent Fines
6		**LIMESTONE**, ligh gray and gray, intense to moderate fracture spacing, very thin bedding, moderately weathered, medium strong to strong *(continued)* 40.5 788.5	35			Rec. = 100% RQD = 33%		9350		UC			0.5	161		
								4980		UC			0.7	161		
		Boring Terminated at 40.5 Feet	40													

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (if any).
See Supporting Information for explanation of symbols and abbreviations.
Elevation Reference: Elevation from USGS National Map

Water Level Observations
19' while drilling/sampling
19' after boring
Cave-in @ 19' after boring

Drill Rig
1206 - CME550X

Hammer Type
CME Automatic

Driller
DL

Logged by
KW

Boring Started
10-27-2025

Boring Completed
10-27-2025

Notes

Advancement Method
Hollow Stem Auger: 0 to 30.5'
Rock Core: 30.5' to termination depth.

Abandonment Method
Boring backfilled with auger cuttings upon completion.

Facilities | Environmental | Geotechnical | Materials

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CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 3:26:26 PM
CAD FILE: c:\pw_workdir\pw_ie\amj3\d0579164\0022C005.02_Q_SHT.dgn

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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

SOIL BORINGS

SHEET NO.
Q.6
TAP-U-1187(793)--8I-57

Edgewood Road NE Trail
North River Boulevard NE to Glass Road NE | Cedar Rapids, Iowa
Terracon Project No. 06235111

Terracon
2640 12th St SW
Cedar Rapids, IA

Boring Log No. B-107

Location: See Exploration Plan
Latitude: 42.0176° Longitude: -91.7024°
Northing: 3474667 Easting: 5409695
Depth (Ft.) Approximate Elevation: 825 (Ft.)

Model Layer	Graphic Log	Depth (Ft.)	Water Level Observations	Sample Type	Recovery (In.)	Field Test Results	Unconfined Compression Test (psi)	HP (tsf)	Strength Test: Test Type	Strength Test: Compressive Strength (tsf)	Strength Test: Strain (%)	Water Content (%)	Dry Unit Weight (pcf)	Atterberg Limits: LL-PL-PI	Percent Fines
		0.7				**8" Crushed Limestone** 824.3									
1					12	2-3-2 N=5						15.8			
		4.5				**FILL - SANDY LEAN CLAY**, trace gravel, brown 820.5									
					14	2-2-2 N=4						12.3			
3		6.5				**CLAYEY SAND (SC)**, trace gravel, brown, loose 818.5									
					19							11.8			
		13.5				**SILTY SAND (SM)**, with clay layers, fine to medium grained, gray and brown, loose 811.5									
					14	3-3-4 N=7						12.7			
6		14.3			2	**LIMESTONE**, light gray, highly weathered 810.75 SPT = 50/3"									
						SPT and Auger Refusal at 14.25 Feet									

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).
See Supporting Information for explanation of symbols and abbreviations.
Elevation Reference: Elevation from USGS National Map

Water Level Observations
13.5' while drilling/sampling
13.5' after boring
Cave-in @ 13.5' after boring

Drill Rig
1206 - CME550X

Hammer Type
CME Automatic

Driller
DL

Logged by
KW

Boring Started
10-27-2025

Boring Completed
10-27-2025

Notes

Advancement Method
Hollow Stem Auger to termination depth.

Abandonment Method
Boring backfilled with auger cuttings upon completion.

Facilities | Environmental | **Geotechnical** | Materials

Edgewood Road NE Trail
North River Boulevard NE to Glass Road NE | Cedar Rapids, Iowa
Terracon Project No. 06235111

Terracon
2640 12th St SW
Cedar Rapids, IA

Boring Log No. B-4

Location: See Exploration Plan
Latitude: 42.0172° Longitude: -91.7025°
Northing: 3474514 Easting: 5409684
Depth (Ft.) Approximate Elevation: 829 (Ft.)

Model Layer	Graphic Log	Depth (Ft.)	Water Level Observations	Sample Type	Recovery (In.)	Field Test Results	Unconfined Compression Test (psi)	HP (tsf)	Strength Test: Test Type	Strength Test: Compressive Strength (tsf)	Strength Test: Strain (%)	Water Content (%)	Dry Unit Weight (pcf)	Atterberg Limits: LL-PL-PI	Percent Fines
		0.6				**7¼" Asphalt** 828.4									
1		0.7				**1" Crushed Limestone** 828.3									
		2.0			9	**FILL - SANDY LEAN CLAY**, trace gravel, brown 827 8-13-19 N=32						9.5 4.9			
3		3.5				**SILTY SAND (SM)**, fine to medium grained, brown, dense 825.5									
					16	**SILTY SAND (SM)**, fine grained, light brown, medium dense 8-10-10 N=20						3.5			
					17	loose below about 6.5 feet 2-3-2 N=5						4.8			
		9.0				820									
4					9	**SANDY LEAN CLAY (CL)**, trace gravel, occasional sand seams, brown, reddish brown, and gray, stiff 6-6-5 N=11		1.75				10.6			
		15.0			18	very stiff at about 14 feet 814 11-9-13 N=22		4.0				9.6 10.8			
					17	**SANDY LEAN CLAY (CL)**, trace gravel, occasional sand seams, gray, very stiff 6-11-14 N=25		4.0				10.5			
		20.5				808.5									
						Boring Terminated at 20.5 Feet									

See Exploration and Testing Procedures for a description of field and laboratory procedures used and additional data (If any).
See Supporting Information for explanation of symbols and abbreviations.
Elevation Reference: Elevation from IDNR LiDAR Tool

Water Level Observations
No water encountered during drilling/sampling
No water observed after boring
No Cave-in

Drill Rig
719 - CME 550X

Hammer Type
CME Automatic

Driller
DL

Logged by
CL

Boring Started
09-13-2023

Boring Completed
09-13-2023

Notes

Advancement Method
Power Auger to termination depth.

Abandonment Method
Boring backfilled with auger cuttings upon completion. Patched asphalt.

Facilities | Environmental | **Geotechnical** | Materials

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CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 3:26:27 PM
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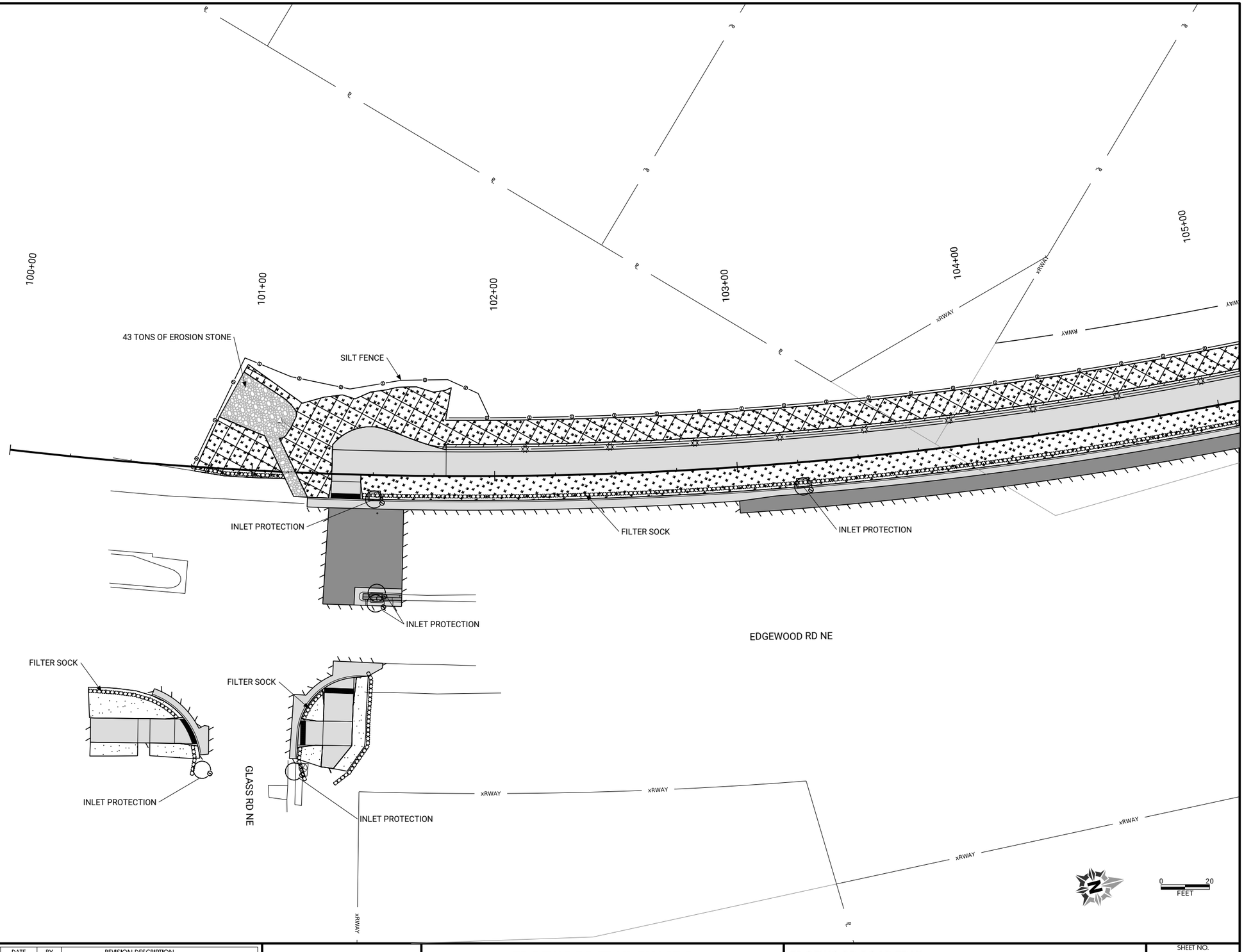
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Foth

EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

SOIL BORINGS

SHEET NO.
Q.7
TAP-U-1187(793)--8I-57



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CLIENT PROJECT NO:	TAP-U-1187(793)--8I-57	FOTH PROJECT NO:	0022C005.02
DESIGNED BY:	K. WOLLNER	CHECKED BY:	C. CARPER
DRAWN BY:	J. MEYER		
LETTING DATE:	9/15/2026	CAD DATE:	6/15/2026 2:43:40 PM
CAD FILE:	c:\pw_workdir\pw_ie1\amj3\d0579164\0022C005.02_RR_SHT.dgn		

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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
EROSION CONTROL

SHEET NO.
RR.1
TAP-U-1187(793)--8I-57

105+00
106+00
107+00
50+00
108+00
51+00
109+00
52+00
110+00
53+00
111+00

SILT FENCE
INLET PROTECTION
FILTER SOCK
INLET PROTECTION
INLET PROTECTION
PERMENANT ROCK DITCH CHECKS
2 FT X 4 FT
36 FEET APART
5.3 TONS EACH
TURF MATS
32 TONS OF EROSION STONE
INLET PROTECTION
INLET PROTECTION

EDGEWOOD RD NE
RIVER CENTER CT NE

LEGEND

SODDING		EROSION STONE	
SEEDING		INLET PROTECTION	
TURF MATS		FILTER SOCK	
RECP		SILT FENCE	

0 20 FEET

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CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: J. MEYER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 2:43:43 PM
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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
EROSION CONTROL

SHEET NO.
RR.2
TAP-U-1187(793)--8I-57

54+00

112+00

113+00

114+00

115+00

116+00

117+00

FILTER SOCK

INLET PROTECTION

FILTER SOCK

INLET PROTECTION

EDGEWOOD RD NE

LEGEND

SODDING	EROSION STONE
SEEDING	INLET PROTECTION
TURF MATS	FILTER SOCK
RECP	SILT FENCE

0 20 FEET

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CLIENT PROJECT NO: TAP-U-1187(793)--81-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: J. MEYER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 2:43:44 PM
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NO	DATE	BY	REVISION DESCRIPTION

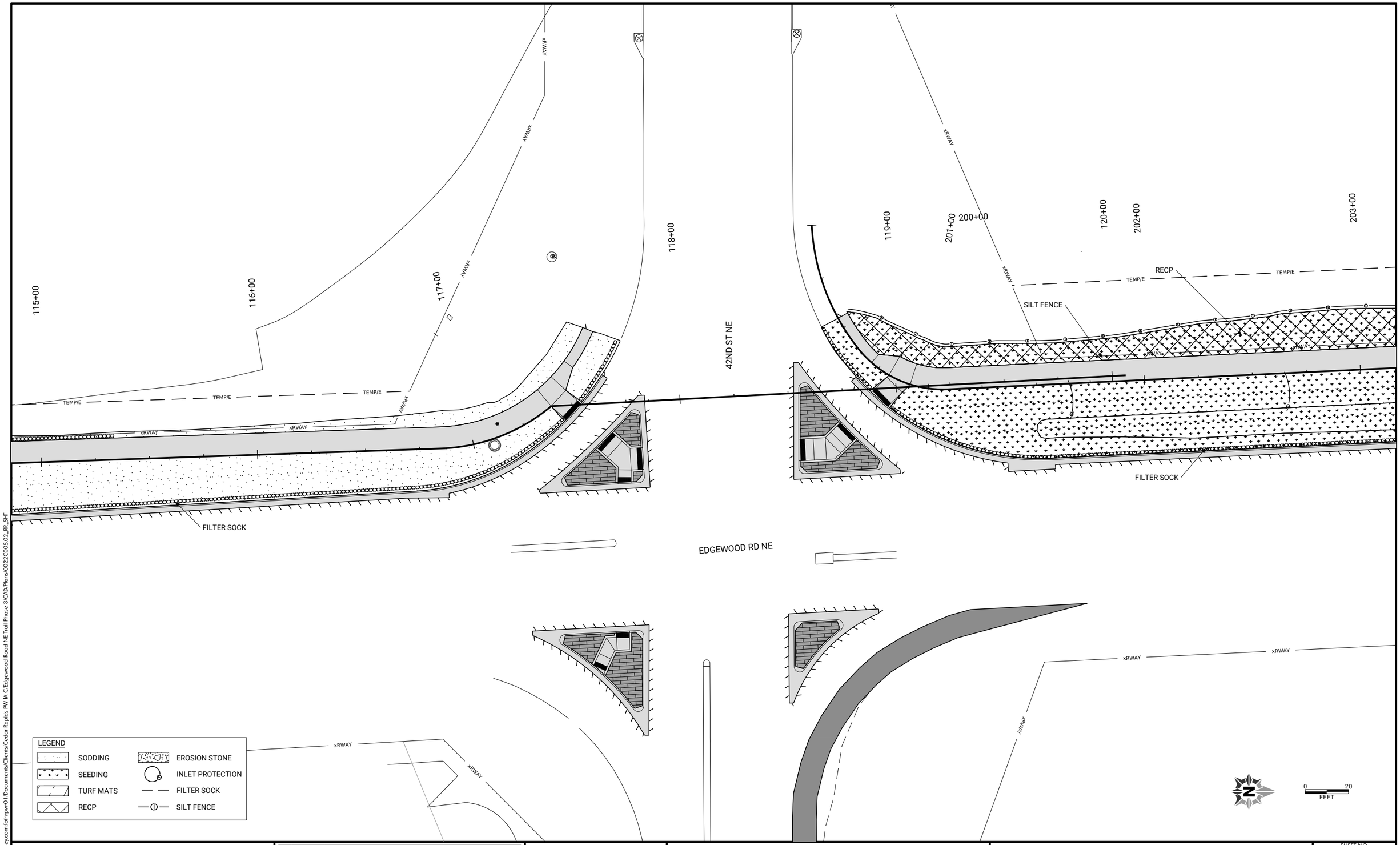
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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE

CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
EROSION CONTROL

SHEET NO.
RR.3
TAP-U-1187(793)--81-57



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CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: J. MEYER
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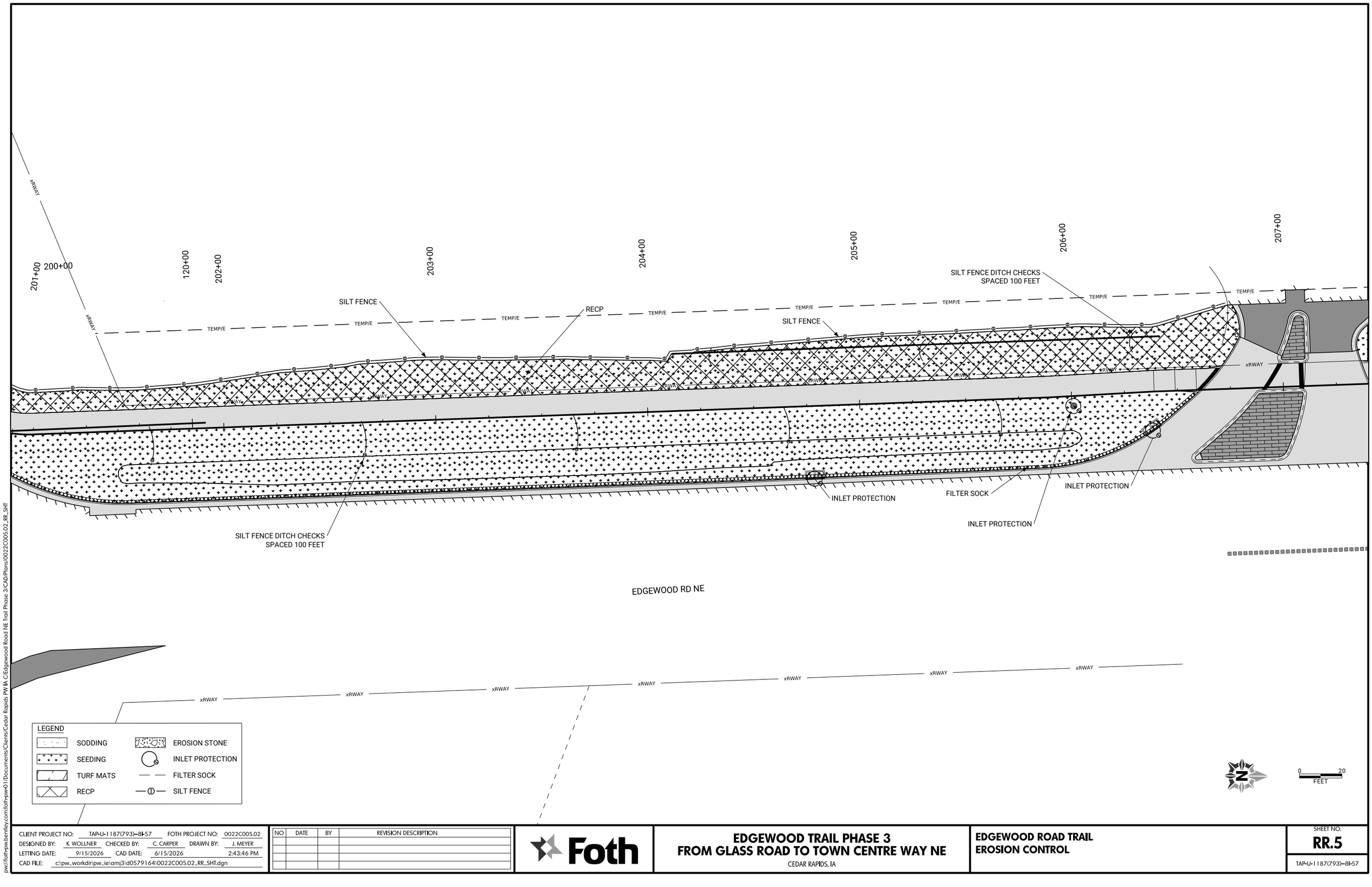
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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
EROSION CONTROL

SHEET NO.
RR.4
TAP-U-1187(793)--8I-57



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CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: J. MEYER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 2:43:46 PM
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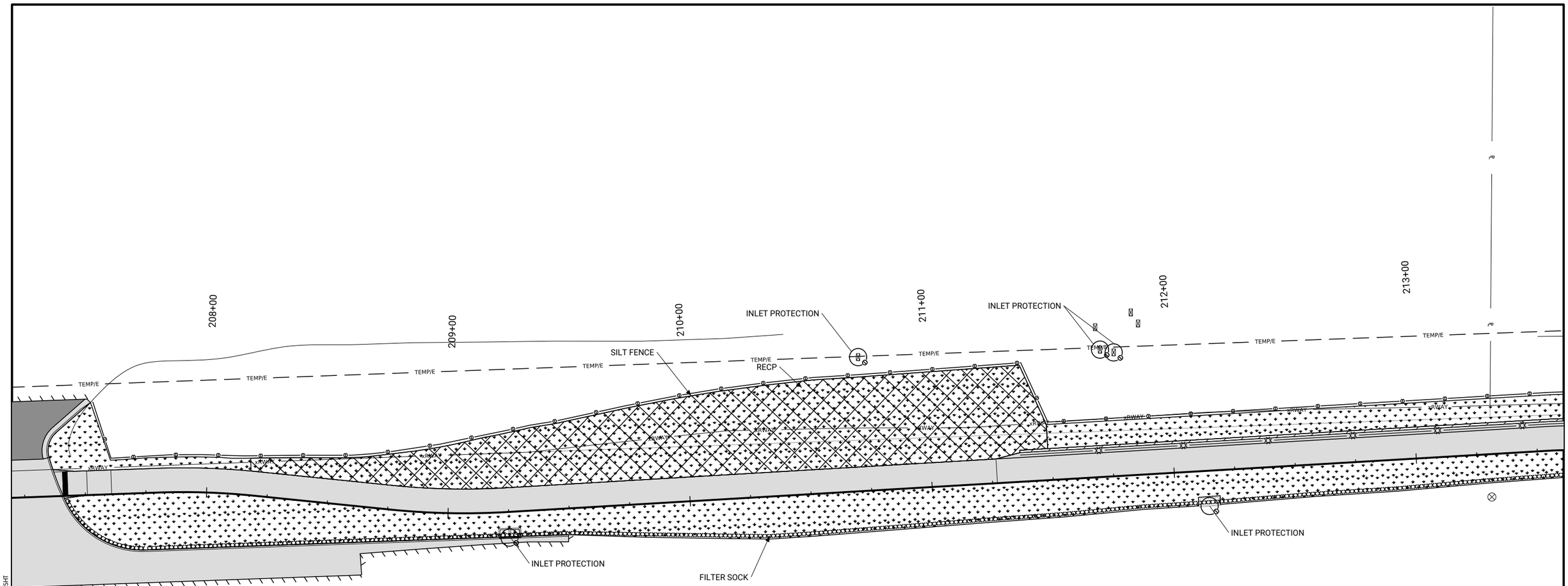
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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
EROSION CONTROL

SHEET NO.
RR.5
TAP-U-1187(793)--8I-57



LEGEND

	SODDING		EROSION STONE
	SEEDING		INLET PROTECTION
	TURF MATS	— —	FILTER SOCK
	RECP	—⌀—	SILT FENCE

0 20 FEET

CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: J. MEYER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 2:43:48 PM
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NO	DATE	BY	REVISION DESCRIPTION

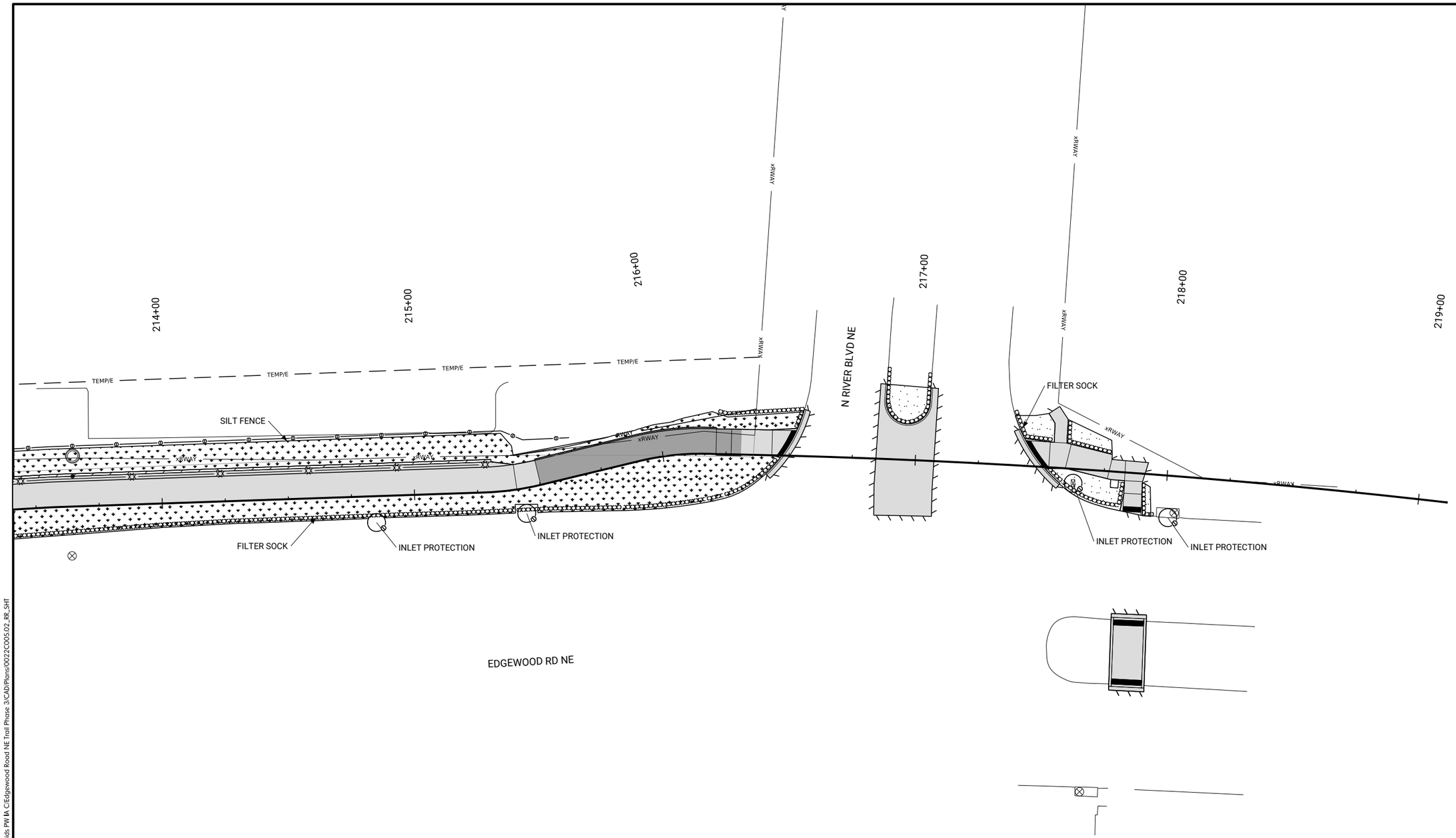
Foth

EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
EROSION CONTROL

SHEET NO.
RR.6
TAP-U-1187(793)--8I-57

pw://foth-pw.bentley.com:foth-pw-01/Documents/Clients/Cedar Rapids PW IA C/Edgewood Road NE Trail Phase 3/CAD/Plans/0022C005.02_RR_SHT



LEGEND

	SODDING		EROSION STONE
	SEEDING		INLET PROTECTION
	TURF MATS		FILTER SOCK
	RECP		SILT FENCE

0 20 FEET

CLIENT PROJECT NO:	TAP-U-1187(793)--8I-57	FOTH PROJECT NO:	0022C005.02
DESIGNED BY:	K. WOLLNER	CHECKED BY:	C. CARPER
DRAWN BY:	J. MEYER		
LETTING DATE:	9/15/2026	CAD DATE:	6/15/2026 2:43:49 PM
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NO	DATE	BY	REVISION DESCRIPTION

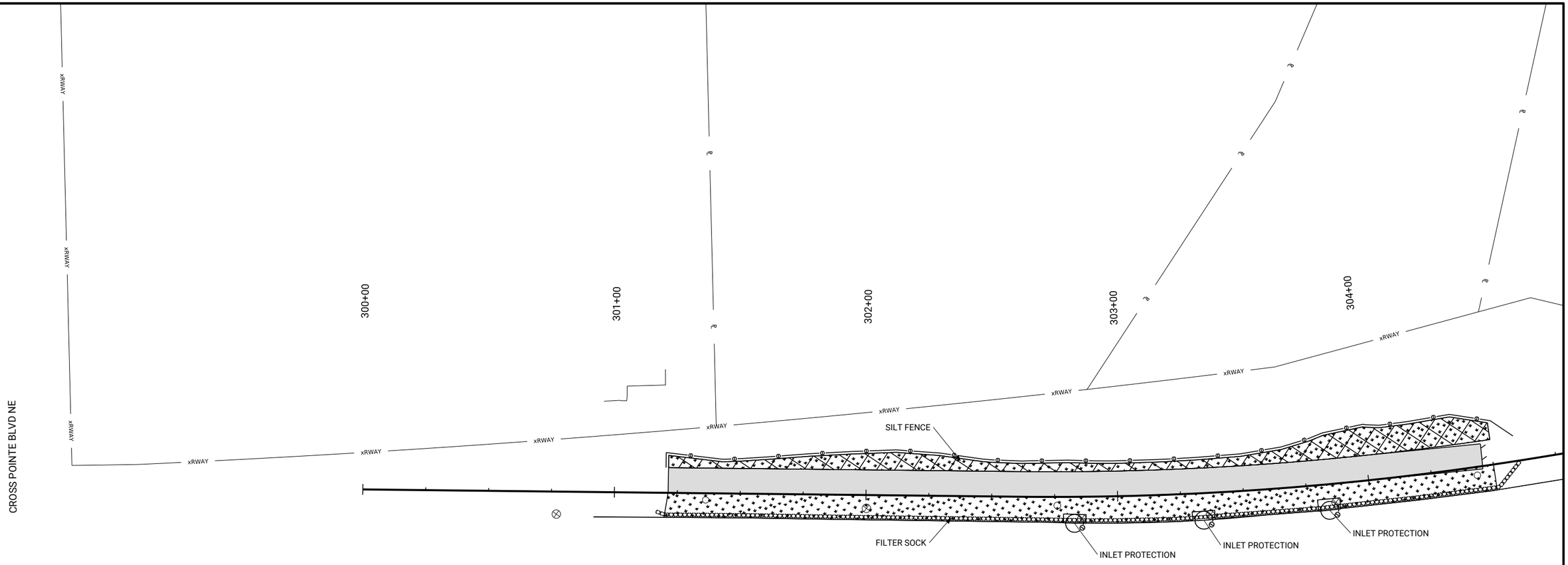
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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
EROSION CONTROL

SHEET NO.
RR.7
TAP-U-1187(793)--8I-57

pw://foth-pw.bentley.com:foth-pw-01/Documents/Clients/Cedar Rapids PW IA C/Edgewood Road NE Trail Phase 3/CAD/Plans/0022C005.02_RR_SHT



LEGEND

SODDING	EROSION STONE
SEEDING	INLET PROTECTION
TURF MATS	FILTER SOCK
RECP	SILT FENCE

0 20
FEET

CLIENT PROJECT NO: TAP-U-1187(793)--81-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: J. MEYER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 2:43:50 PM
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NO	DATE	BY	REVISION DESCRIPTION

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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
EROSION CONTROL

SHEET NO.
RR.8
TAP-U-1187(793)--81-57

pw://foth-pw.bentley.com:foth-pw-01/Documents/Clients/Cedar Rapids PW IA C/Edgewood Road NE Trail Phase 3/CAD/Plans/0022C005.02_RR_SHT

POLLUTION PREVENTION PLAN

This project is regulated by the requirements of the Iowa Department of Natural Resources (DNR) National Pollutant Discharge Elimination System (NPDES) General Permit No. 2 OR an Iowa Department of Natural Resources (DNR) National Pollutant Discharge Elimination System (NPDES) individual storm water permit. The Contractor shall carry out the terms and conditions of this permit and the Pollution Prevention Plan (PPP).

This Base PPP includes information on Roles and Responsibilities, Project Site Description, Controls, Maintenance Procedures, Inspection Requirements, Non-Storm Water Controls, Potential Sources of Off Right-of-Way Pollution, and Definitions. This plan references other documents rather than repeating the information contained in the documents. A copy of this Base Pollution Prevention Plan, amended as needed during construction, will be readily available for review.

All contractors shall conduct their operations in a manner that controls pollutants, minimizes erosion, and prevents sediments from entering waters of the state and leaving the highway right-of-way. The Contractor shall be responsible for compliance and implementation of the PPP for their entire contract. This responsibility shall be further shared with subcontractors whose work is a source of potential pollution as defined in this PPP.

I. ROLES AND RESPONSIBILITES

A. Designer:
1. Prepares Base PPP included in the project plan.
2. Prepares Notice of Intent (NOI) submitted to Iowa DNR.
3. Is signature authority on the Base PPP. If consultant designed, signature from Contracting Authority is also required.

B. Contractor:
1. Signs a co-permittee certification statement adhering to the requirements of the NPDES permit and this PPP. All co-permittees are legally required under the Clean Water Act and the Iowa Administrative Code to ensure compliance with the terms and conditions of this PPP.
2. Designates a Water Pollution Control Manager (WPCM), who has the duties and responsibilities as defined in Section 2602 of the Standard Specifications.
3. Submits an Erosion Control Implementation Plan (ECIP) and ECIP updates according to Section 2602 of the Standard Specifications.
4. Installs and maintains appropriate controls. This work may be subcontracted as documented through Subcontractor Request Forms (Form 830231).
5. Supervises and implements good housekeeping practices according to Paragraph III, C, 2.
6. Conducts joint required inspections of the site with inspection staff. When Contractor is not mobilized on site, Contractor may delegate this responsibility to a trained or certified subcontractor. Contracting Authority also may waive joint inspection requirement during winter shutdown. In both circumstances, WPCM (or trained or certified delegate from the Contractor) is still responsible to review and sign inspection reports.
7. Complies with training and certification requirements of Section 2602 of the Standard Specifications.
8. Submits amended PPP site map according to Section 2602 of the Standard Specifications.

C. Subcontractors:
1. Sign a co-permittee certification statement adhering to the requirements of the NPDES permit and this PPP if: responsible for sediment or erosion controls; involved in land disturbing activities; or performing work that is a source of potential pollution as defined in this PPP. Subcontracted work items are identified in Subcontractor Request Forms (Form 830231). All co-permittees are legally required under the Clean Water Act and the Iowa Administrative Code to ensure compliance with the terms and conditions of this PPP.
2. Implement good housekeeping practices according to Paragraph III, C, 2.

D. RCE/Project Engineer:
1. Is Project Storm Water Manager.
2. On projects where DOT is the Contracting Authority, is current with erosion control training or certification.
3. Takes actions necessary to ensure compliance with storm water requirements including, where appropriate, issuing stop work orders, and directing additional inspections at construction project sites that are experiencing problems with achieving permit compliance.
4. Orders the taking of measures to cease, correct, prevent, or minimize the consequences of non-compliance with the storm water requirements of the Applicable Permit.
5. Supervises all work necessary to meet storm water requirements at the Project, including work performed by contractors and subcontractors.
6. Requires employees, contractors, and subcontractors to take appropriate responsive action to comply with storm water requirements, including requiring any such person to cease or correct a violation of storm water requirements, and to order or recommend such other actions as necessary to meet storm water requirements.
7. Is familiar with the Project PPP and storm water site map.
8. On projects where DOT is Contracting Authority, is responsible for periodically monitoring inspection reports to determine whether deficiencies identified in inspection reports were adequately and timely addressed, and if not, has the authority and responsibility to direct immediate actions to correct the deficiencies.
9. Is the point of contact for the Project for regulatory officials, Inspector, contractors, and subcontractors regarding storm water requirements.
10. Is signature authority on Notice of Discontinuation.
11. Maintains an up-to-date record of contractors, subcontractors, and subcontracted work items through Subcontractor Request Forms (Form 830231).
12. Makes information to determine permit compliance available to the DNR upon their request.

E. Inspector:
1. Updates PPP through fieldbook entries and storm water site inspection reports if there is a change in design, construction, operation, or maintenance which has a significant effect on the discharge of pollutants from the project.
2. Makes information to determine permit compliance available to the DNR upon their request.
3. Conducts joint required inspections of the site with the contractor/subcontractor.
4. Completes an inspection report after each inspection.
5. Is signature authority on storm water inspection reports.

II. PROJECT SITE DESCRIPTION

A. This Pollution Prevention Plan (PPP) is for the construction of a PCC shared use trail along Edgewood Road NE from Glass Road to to North River Boulevard, and from approximately 250' north of Cross Pointe Boulevard to Town Centre Way NE.

B. This PPP covers approximately 6.0 acres with an estimated 4.2 acres being disturbed. The portion of the PPP covered by this contract has 4.2 acres disturbed.

C. The PPP is located in an area of multiple soil association (Sattre loam, Chelsea loamy fine sand, Lamont fine sandy loam, Chelsea-Fayette-Lamont Complex, Schley loam, Clyde silty clay loam, Bassett loam, Bertram fine sand loam, and Sparta loamy sand). The estimated weighted average runoff coefficient number for this PPP after completion will be 80.

110-12
10-20-20

POLLUTION PREVENTION PLAN

D. Proposed slopes are shown in cross sections, details, or standard road plans. Supplemental information is located in the Tabulations in the C or RR sheets.

E. The base storm water site map is amended by contract modifications and progress payments (fieldbook entries) of completed erosion control work. Also, due to project phasing, erosion and sediment controls shown on project plans may not be installed until needed, based on site conditions. For example, silt fence ditch checks will typically not be installed until the ditch has been installed. Installed locations may also be modified from tabulation locations by field staff. Installed locations will be documented by fieldbook entries and amended PPP site map.

F. Runoff from this work will be discharged from four (4) point sources and all flow into existing storm sewers and/or ditches, into an unnamed drainage channel, and ultimately discharge into the Cedar River.

III. CONTROLS

A. The Contractor's ECIP specified in Article 2602.03 of the Standard Specifications for accomplishment of storm water controls should clearly describe the intended sequence of major activities, and for each activity define the control measure and the timing during the construction process that the measure will be implemented.

B. Preserve vegetation in areas not needed for construction.

C. Sections 2601 and 2602 of the Standard Specifications define requirements to implement erosion and sediment control measures. Actual quantities used and installed locations may vary from the Base PPP and amendment of the plan will be documented via fieldbook entries, amended PPP site map, or by contract modification. Additional erosion and sediment control items may be required as determined by the inspector and/or contractor during storm water site inspections. If the work involved is not applicable to any contract items, the work will be paid for according to Article 1109.03 paragraph B of the Standard Specifications.

1. EROSION AND SEDIMENT CONTROLS

a. Stabilization Practices
1) Site plans will ensure that existing vegetation or natural buffers are preserved where attainable and disturbed portions of the site will be stabilized.
2) Initialize stabilization of disturbed areas immediately after clearing, grading, excavating, or other earth disturbing activities have:
a) Permanently ceased on any portion of the site, or
b) Temporarily ceased on any portion of the site and will not resume for a period exceeding 14 calendar days.
3) Staged permanent and/or temporary stabilizing seeding and mulching shall be completed as the disturbed areas are completed. Incomplete areas shall be stabilized according to paragraph III, C, 1, a, 2, b above.
4) Permanent and Temporary Stabilization practices to be used for this project are located in the storm water site map, Estimated Project Quantities (100-0A, 100-1A, or 100-1C), and Estimate Reference Information (100-4A) located in the C or R sheets. Typical drawings detailing construction of the practices to be used on this project are referenced in the Standard Road Plans Tabulation (105-4) in the C or R sheets.
5) Preservation of existing vegetation within right-of-way or easements will act as vegetative buffer strips.
6) Preservation of topsoil: Bid items to be used for this project are located in the Estimated Project Quantities (100-0A, 100-1A, or 100-1C) and Estimate Reference Information (100-4A) located in the C or R sheets. Additional information may be found in the Tabulations in the C or T Tabulation sheets, or is referenced in Section 2105 of the Standard Specifications.

b. Structural Practices
1) Structural practices will be implemented to divert flows from exposed soils and detain or otherwise limit runoff and the discharge of pollutants from exposed areas of the site. Additionally, structural practices may include: silt basins that provide 3600 cubic feet of storage per acre drained or equivalent sediment controls, outlet structures that withdraw water from surface when discharging basins, and controls to direct storm water to vegetated areas.
2) Structural practices to be used for this project are located in the storm water site map, Estimated Project Quantities (100-0A, 100-1A, or 100-1C), and Estimate Reference Information (100-4A) located in the C or R sheets, as well as all other item specific Tabulations. Typical drawings detailing construction of the devices to be used on this project can be found on the B or R sheets or are referenced in the Standard Road Plans Tabulation (105-4) located in the C or R sheets.

c. Storm Water Management
Measures shall be installed during the construction process to control pollutants in storm water discharges that will occur after construction operations have been completed. This may include velocity dissipation devices at discharge locations and along length of outfall channel as necessary to provide a non-erosion velocity flow from structure to water course. If included with this project, these items are located in the storm water site map and Estimated Project Quantities (100-0A, 100-1A, or 100-1C) and Estimate Reference Information (100-4A) located in the C or R sheets, as well as all other item specific Tabulations. Typical drawings detailing construction of the practices to be used on this project are referenced in the Standard Road Plans Tabulation. The installation of these devices may be subject to Section 404 of the Clean Water Act.

2. OTHER CONTROLS

Contractor disposal of unused construction materials and construction material wastes shall comply with applicable state and local waste disposal, sanitary sewer, or septic system regulations. In the event of a conflict with other governmental laws, rules and regulations, the more restrictive laws, rules or regulations shall apply.

a. Vehicle Entrances and Exits - Construct and maintain entrances and exits to prevent tracking of sediments onto roadways.
b. Material Delivery, Storage and Use - Implement practices to prevent discharge of construction materials during delivery, storage, and use.
c. Stockpile Management - Install controls to reduce or eliminate pollution of storm water from stockpiles of soil and paving.
d. Waste Disposal - Do not discharge any materials, including building materials, into waters of the state, except as authorized by a Section 404 permit.
e. Spill Prevention and Control - Implement chemical spill and leak prevention and response procedures to contain and clean up spills and prevent material discharges to the storm drain system and waters of the state.
f. Concrete Residuals and Washout Wastes - Waste shall not be discharged to a surface water and is not allowed to adversely affect a water of the state. Designate temporary concrete washout facilities for rinsing out concrete trucks. Provide directions to truck drivers where designated washout facilities are located. Designated washout areas should be located at least 50 feet away from storm drains, streams or other water bodies. Care should be taken to ensure these facilities do not overflow during storm events.
g. Concrete Grooving/Grinding Slurry – Do not discharge slurry to a waterbody or storm drain. Slurry may be applied on foreslopes or removed from the project.
h. Vehicle and Equipment Storage and Maintenance Areas - Perform on site fueling and maintenance in accordance with all environment laws such as proper storage of onsite fuels and proper disposal of used engine oil or other fluids on site. Employ washing practices that prevent contamination of surface and ground water from wash water. Wash waters must be treated in a sediment basin or alternative control that provides equivalent or better treatment prior to discharge.
i. Litter Management - Ensure employees properly dispose of litter. Minimize exposure of trash if exposure to precipitation or storm water would result in a discharge of pollutants.

POLLUTION PREVENTION PLAN

j. Dewatering – Properly treat water to remove suspended sediment before it re-enters a waterbody or discharges off-site. Measures are also to be taken to prevent scour erosion at dewatering discharge point.

3. APPROVED STATE OR LOCAL PLANS
During the course of this construction, it is possible that situations will arise where unknown materials will be encountered. When such situations are encountered, they will be handled according to all federal, state, and local regulations in effect at the time.

IV. MAINTENANCE PROCEDURES
The Contractor is required to maintain all temporary erosion and sediment control measures in proper working order, including cleaning, repairing, or replacing them throughout the contract period. This shall begin when the features have lost 50% of their capacity.

V. INSPECTION REQUIREMENTS
A. Inspections shall be made jointly by the Contractor and the Contracting Authority's inspector at least once every seven calendar days. Storm water site inspections will include:
1. Date of the inspection.
2. Summary of the scope of the inspection.
3. Name and qualifications of the personnel making the inspection.
5. Review of erosion and sediment control measures within disturbed areas for the effectiveness in preventing impacts to receiving waters.
6. Major observations related to the implementation of the PPP.
7. Identification of corrective actions required to maintain or modify erosion and sediment control measures.

B. Include storm water site inspection reports in the Amended PPP. Incorporate any additional erosion and sediment control measures determined as a result of the inspection. Immediately begin corrective actions on all deficiencies found within 3 calendar days of the inspection and complete within 7 calendar days following the inspection. If it is determined that making the corrections less than 72 hours after the inspection is impracticable, it should be documented why it is impracticable and indicate an estimated date by which the corrections will be made.

VI. NON-STORM WATER DISCHARGES
This includes subsurface drains (i.e. longitudinal and standard subdrains) and slope drains. The velocity of the discharge from these features may be controlled by the use of headwalls or blocks, Class A stone, erosion stone or other appropriate materials. This also includes uncontaminated groundwater from dewatering operations, which will be controlled as discussed in Section III of the PPP.

VII. POTENTIAL SOURCES OF OFF RIGHT-OF-WAY (ROW) POLLUTION
Silts, sediment, and other forms of pollution may be transported onto highway right-of-way (ROW) as a result of a storm event. Potential sources of pollution located outside highway ROW are beyond the control of this PPP. Pollution within highway ROW will be conveyed and controlled per this PPP.

VIII. DEFINITIONS
A. Base PPP - Initial Pollution Prevention Plan.
B. Amended PPP - Base PPP amended during construction. May include Plan Revisions or Contract Modifications for new items, storm water site inspection reports, fieldbook entries made by the inspector, amended PPP site map by the Contractor, ECIP, NOI, co-permittee certifications, and Subcontractor Request Forms. Items amending the PPP are stored electronically and are readily available upon request.
C. Fieldbook Entries – This contains the inspector’s daily diary and bid item postings.
D. Controls - Methods, practices, or measures to minimize or prevent erosion, control sedimentation, control storm water, or minimize contaminants from other types of waste or materials. Also called Best Management Practices (BMPs).
E. Signature Authority - Representative authorized to sign various storm water documents.

CERTIFICATION STATEMENT

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature

Clayton Carper

Printed or Typed Name

Abkes, Keith D.

Digitally signed by Abkes, Keith D.
DN: CN="Abkes, Keith D."
Date: 2026.06.15 15:43:13-05'00'

Signature

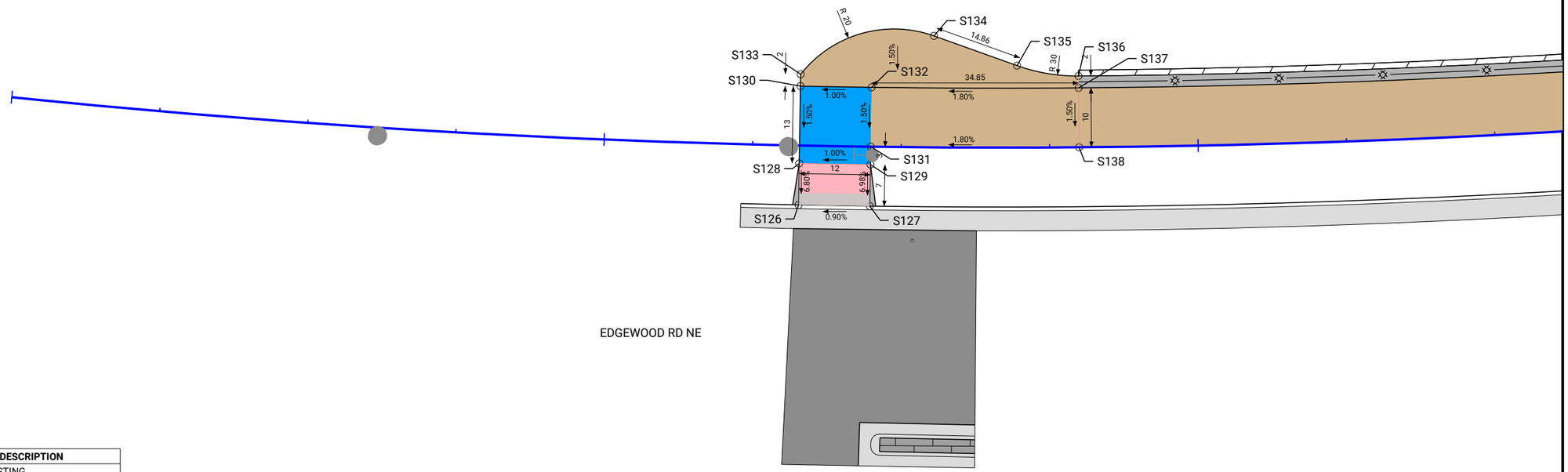
Keith Abkes

Printed or Typed Name

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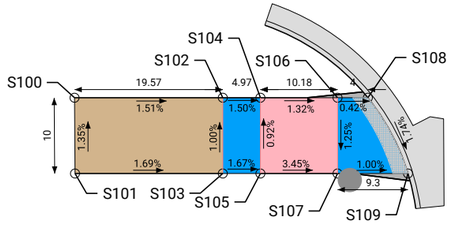


EDGEWOOD RD NE

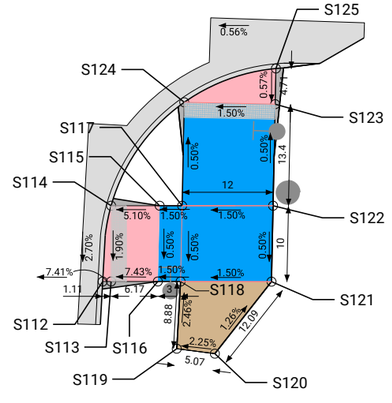
LEGEND

- LANDING AREA (2.0% MAX. ANY DIRECTION, 1.5% TARGET)
- CURB RAMP (8.3% MAX. LONG., 2.0% MAX. CROSS SLOPE) (6.25% TARGET LONG.)
- PROPOSED SIDEWALK

POINT	STATION	OFFSET	ELEVATION	DESCRIPTION
S100	100+42.86 R1	106.54	830.81	MATCH EXISTING
S101	100+43.62 R1	116.51	830.94	MATCH EXISTING
S102	100+61.19 R1	105.17	830.51	LANDING SPACE
S103	100+61.80 R1	115.15	830.61	LANDING SPACE
S104	100+65.85 R1	104.86	830.44	LANDING SPACE
S105	100+66.43 R1	114.84	830.53	LANDING SPACE
S106	100+75.41 R1	104.26	830.30	LANDING SPACE
S107	100+75.93 R1	114.24	830.18	LANDING SPACE
S108	100+79.16 R1	104.04	830.29	LANDING SPACE
S109	100+84.61 R1	113.75	830.08	LANDING SPACE
S112	101+23.32 R1	112.16	830.13	CURB RAMP
S113	101+24.36 R1	112.14	830.21	CURB RAMP
S114	101+24.11 R1	102.14	830.40	CURB RAMP
S115	101+30.14 R1	101.98	830.73	LANDING SPACE
S116	101+30.13 R1	111.99	830.67	LANDING SPACE
S117	101+32.94 R1	101.92	830.77	LANDING SPACE
S118	101+32.94 R1	111.92	830.72	LANDING SPACE
S119	101+32.64 R1	120.80	830.94	MATCH EXISTING
S120	101+37.33 R1	121.36	831.05	MATCH EXISTING
S121	101+44.17 R1	111.73	830.90	LANDING SPACE
S122	101+44.23 R1	101.71	830.95	LANDING SPACE
S123	101+44.32 R1	88.31	830.88	LANDING SPACE
S124	101+32.94 R1	88.27	830.70	LANDING SPACE
S125	101+44.35 R1	83.60	830.91	CURB RAMP
S126	101+32.94 R1	10.00	828.53	CURB RAMP
S127	101+44.86 R1	10.00	828.64	CURB RAMP
S128	101+32.91 R1	3.01	829.01	LANDING SPACE
S129	101+44.88 R1	3.00	829.13	LANDING SPACE
S130	101+32.85 R1	-10.00	829.20	LANDING SPACE
S131	101+44.89 R1	0.00	829.17	LANDING SPACE
S132	101+44.89 R1	-10.00	829.32	LANDING SPACE
S133	101+32.84 R1	-12.00	829.23	BEGIN 20 RADIUS
S134	101+55.40 R1	-18.77	829.64	END 20' RADIUS
S135	101+69.55 R1	-13.80	829.82	BEGIN 30' RADIUS
S136	101+79.96 R1	-12.00	829.98	END 30' RADIUS
S137	101+79.96 R1	-10.00	829.95	TYPCIAL SECTION
S138	101+79.96 R1	0.00	829.80	TYPCIAL SECTION



GLASS RD NE



0 10 FEET

CLIENT PROJECT NO: TAP-U-1187(793)--81-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 2:50:07 PM
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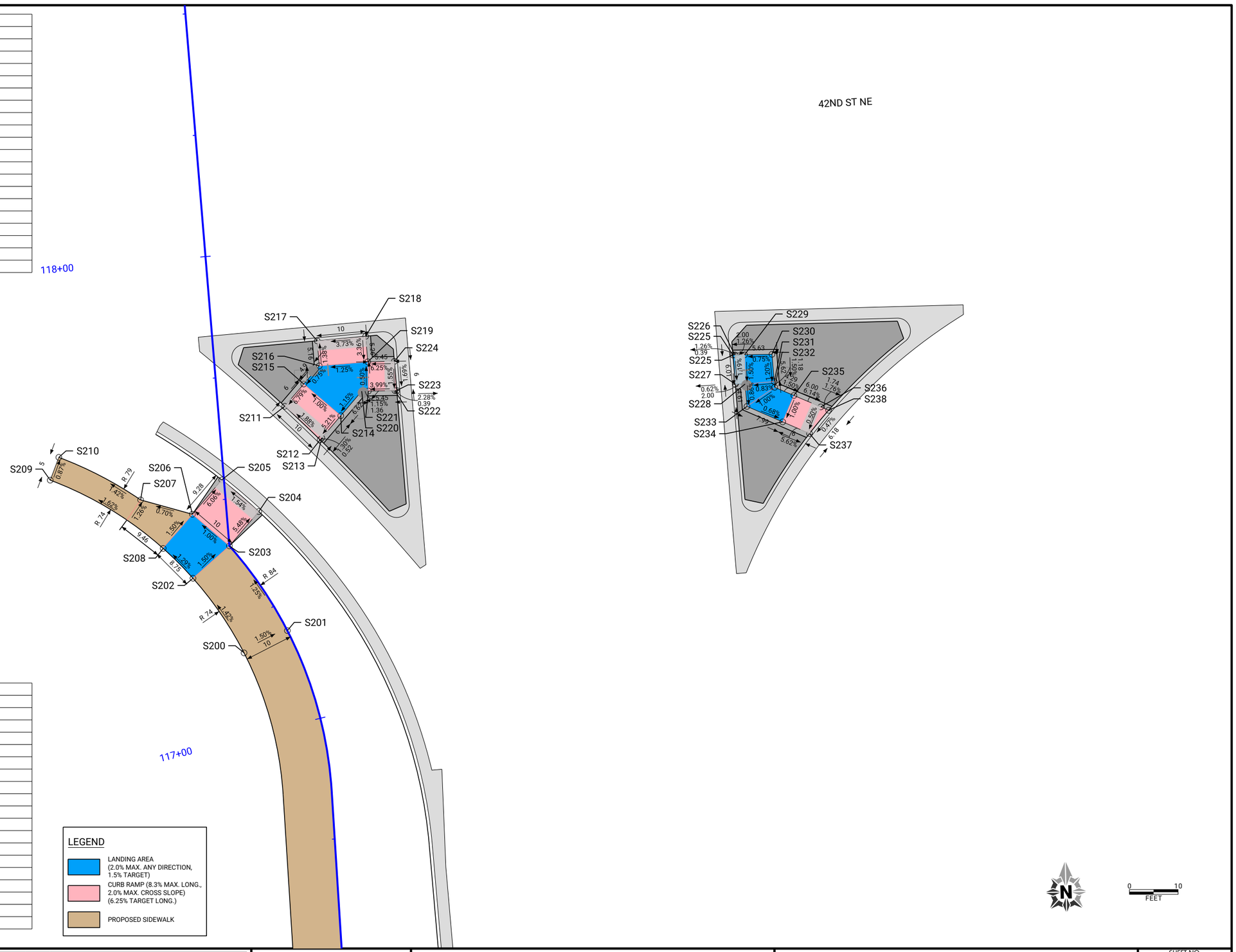
EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
PEDESTRAIN RAMP STAKING

SHEET NO.
S.1
TAP-U-1187(793)--81-57

pw://foth-pw.bentley.com:foth-pw-01\Documents\Clients\Cedar Rapids PW IA C\Edgewood Road NE Trail Phase 3\CAD\Plans\0022C005.02_S_SHT

POINT	STATION	OFFSET	ELEVATION	DESCRIPTION
S200	117+19.27 R1	-10.00	864.13	TYPICAL SECTION
S201	117+19.27 R1	0.00	863.98	TYPICAL SECTION
S202	117+40.40 R1	-10.00	863.86	LANDING SPACE
S203	117+40.40 R1	0.00	863.71	LANDING SPACE
S204	117+46.93 R1	6.60	863.21	CURB RAMP
S205	117+54.04 R1	-0.44	863.05	CURB RAMP
S206	117+47.50 R1	-7.04	863.61	LANDING SPACE
S207	117+51.31 R1	-17.39	863.54	TRANSITION POINT
S208	117+41.01 R1	-13.59	863.75	LANDING SPACE
S209	117+56.89 R1	-35.55	863.31	MATCH EXISTING
S210	117+61.41 R1	-33.41	863.27	MATCH EXISTING
S211	117+68.04 R1	13.70	863.42	CURB RAMP
S212	117+60.58 R1	20.37	863.61	CURB RAMP
S213	117+60.94 R1	20.73	863.62	CURB RAMP
S214	117+65.16 R1	24.99	863.93	LANDING SPACE
S215	117+72.26 R1	17.96	863.83	LANDING SPACE
S216	117+75.71 R1	21.44	863.87	LANDING SPACE
S217	117+80.88 R1	21.44	863.80	CURB RAMP
S218	117+80.98 R1	31.44	864.17	CURB RAMP
S219	117+75.72 R1	31.44	863.99	LANDING SPACE



POINT	STATION	OFFSET	ELEVATION	DESCRIPTION
S220	117+69.82 R1	29.70	864.01	LANDING SPACE
S221	117+69.73 R1	31.06	864.02	LANDING SPACE
S222	117+69.39 R1	36.50	864.24	CURB RAMP
S223	117+69.36 R1	36.89	864.23	CURB RAMP
S224	117+75.37 R1	36.88	864.33	CURB RAMP
S225	117+70.94 R1	106.28	865.19	LANDING SPACE
S226	117+70.91 R1	106.66	865.20	LANDING SPACE
S227	117+20.59 R1	104.97	865.12	LANDING SPACE
S228	117+20.19 R1	106.76	865.13	LANDING SPACE
S229	117+70.79 R1	108.66	865.22	LANDING SPACE
S230	117+70.43 R1	114.28	865.26	LANDING SPACE
S231	117+19.18 R1	112.31	865.18	LANDING SPACE
S232	117+18.72 R1	111.85	865.16	LANDING SPACE
S233	117+18.30 R1	105.00	865.09	LANDING SPACE
S234	117+15.66 R1	110.24	865.04	LANDING SPACE
S235	117+17.33 R1	114.64	865.10	LANDING SPACE
S236	117+15.46 R1	118.63	864.73	CURB RAMP
S237	117+13.76 R1	114.29	864.70	CURB RAMP
S238	117+14.93 R1	119.81	864.70	CURB RAMP

CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
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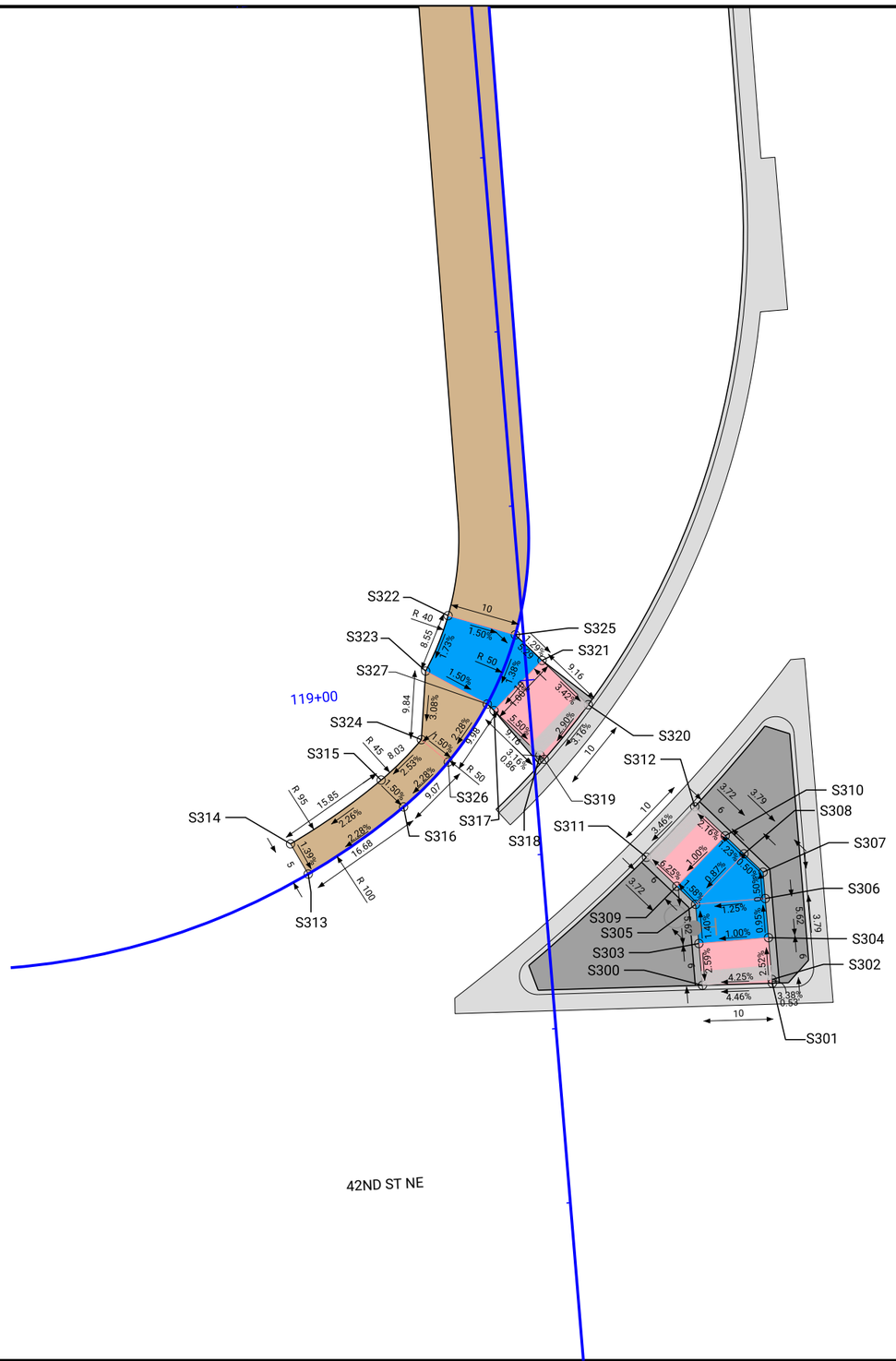
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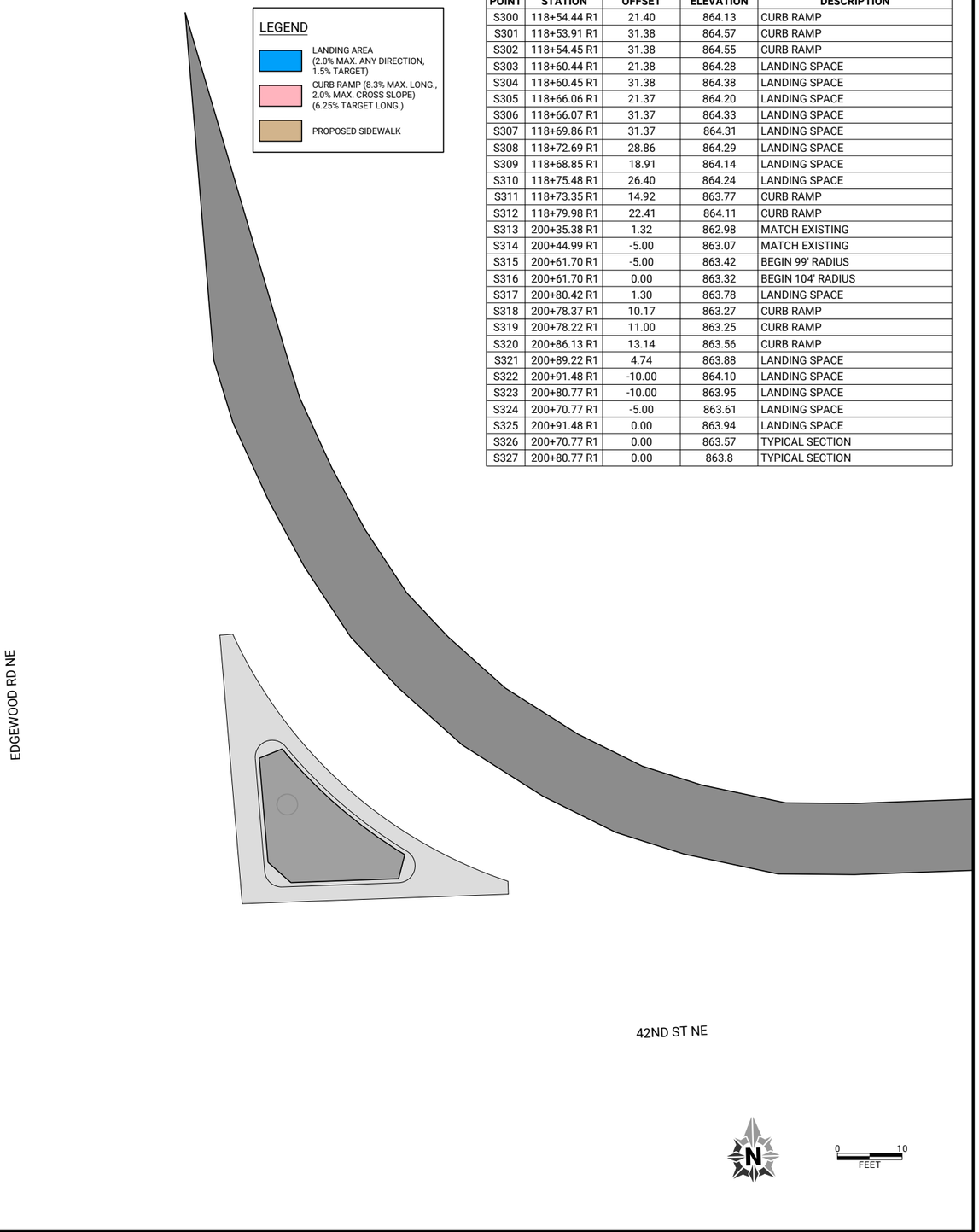
EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
PEDESTRAIN RAMP STAKING

SHEET NO.
S.2
TAP-U-1187(793)--8I-57

pw://foth-pw.bentley.com:foth-pw-01:Documents/Clients/Cedar Rapids PW IA CIEdgewood Road NE Trail Phase 3/CADPlans/0022C005.02_S_SHT





POINT	STATION	OFFSET	ELEVATION	DESCRIPTION
S300	118+54.44 R1	21.40	864.13	CURB RAMP
S301	118+53.91 R1	31.38	864.57	CURB RAMP
S302	118+54.45 R1	31.38	864.55	CURB RAMP
S303	118+60.44 R1	21.38	864.28	LANDING SPACE
S304	118+60.45 R1	31.38	864.38	LANDING SPACE
S305	118+66.06 R1	21.37	864.20	LANDING SPACE
S306	118+66.07 R1	31.37	864.33	LANDING SPACE
S307	118+69.86 R1	31.37	864.31	LANDING SPACE
S308	118+72.69 R1	28.86	864.29	LANDING SPACE
S309	118+68.85 R1	18.91	864.14	LANDING SPACE
S310	118+75.48 R1	26.40	864.24	LANDING SPACE
S311	118+73.35 R1	14.92	863.77	CURB RAMP
S312	118+79.98 R1	22.41	864.11	CURB RAMP
S313	200+35.38 R1	1.32	862.98	MATCH EXISTING
S314	200+44.99 R1	-5.00	863.07	MATCH EXISTING
S315	200+61.70 R1	-5.00	863.42	BEGIN 99' RADIUS
S316	200+61.70 R1	0.00	863.32	BEGIN 104' RADIUS
S317	200+80.42 R1	1.30	863.78	LANDING SPACE
S318	200+78.37 R1	10.17	863.27	CURB RAMP
S319	200+78.22 R1	11.00	863.25	CURB RAMP
S320	200+86.13 R1	13.14	863.56	CURB RAMP
S321	200+89.22 R1	4.74	863.88	LANDING SPACE
S322	200+91.48 R1	-10.00	864.10	LANDING SPACE
S323	200+80.77 R1	-10.00	863.95	LANDING SPACE
S324	200+70.77 R1	-5.00	863.61	LANDING SPACE
S325	200+91.48 R1	0.00	863.94	LANDING SPACE
S326	200+70.77 R1	0.00	863.57	TYPICAL SECTION
S327	200+80.77 R1	0.00	863.8	TYPICAL SECTION

pw://foth-pw.bentley.com:foth-pw-01:Documents/Clients/Cedar Rapids PW IA C/Edgewood Road NE Trail Phase 3/CAD/Plans/0022C005.02_S_SHT

CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 2:50:19 PM
CAD FILE: c:\pw_workdir\pw_ie\am|3\d0579164\0022C005.02_S_SHT.dgn

NO	DATE	BY	REVISION DESCRIPTION

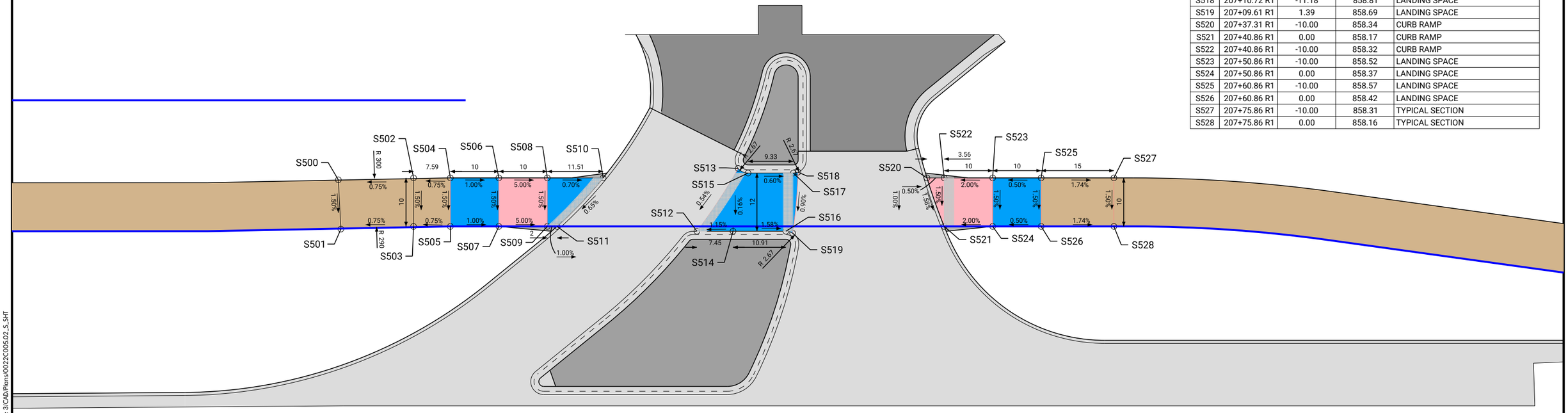
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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
PEDESTRAIN RAMP STAKING

SHEET NO.
S.3
TAP-U-1187(793)--8I-57

POINT	STATION	OFFSET	ELEVATION	DESCRIPTION
S500	206+16.11 R1	-10.05	859.14	TYPICAL SECTION
S501	206+16.44 R1	0.11	858.98	TYPICAL SECTION
S502	206+31.63 R1	-10.15	859.25	END 300 FT RADIUS
S503	206+31.43 R1	-0.15	859.1	END 290 FT RADIUS
S504	206+39.02 R1	-10.00	859.31	LANDING SPACE
S505	206+39.02 R1	0.00	859.16	LANDING SPACE
S506	206+49.02 R1	-10	859.21	LANDING SPACE
S507	206+49.02 R1	0.00	859.06	LANDING SPACE
S508	206+59.02 R1	-10	858.71	LANDING SPACE
S509	206+59.02 R1	0	858.56	LANDING SPACE
S510	206+70.53 R1	-10	858.63	LANDING SPACE
S511	206+61.02 R1	0	858.54	LANDING SPACE
S512	206+89.86 R1	1.00	858.82	LANDING SPACE
S513	206+98.38 R1	-11.95	858.88	LANDING SPACE
S514	206+97.31 R1	1.00	858.91	LANDING SPACE
S515	207+00.42 R1	-11.00	858.87	LANDING SPACE
S516	207+08.22 R1	1.00	858.74	LANDING SPACE
S517	207+09.75 R1	-11.00	858.82	LANDING SPACE
S518	207+10.72 R1	-11.18	858.81	LANDING SPACE
S519	207+09.61 R1	1.39	858.69	LANDING SPACE
S520	207+37.31 R1	-10.00	858.34	CURB RAMP
S521	207+40.86 R1	0.00	858.17	CURB RAMP
S522	207+40.86 R1	-10.00	858.32	CURB RAMP
S523	207+50.86 R1	-10.00	858.52	LANDING SPACE
S524	207+50.86 R1	0.00	858.37	LANDING SPACE
S525	207+60.86 R1	-10.00	858.57	LANDING SPACE
S526	207+60.86 R1	0.00	858.42	LANDING SPACE
S527	207+75.86 R1	-10.00	858.31	TYPICAL SECTION
S528	207+75.86 R1	0.00	858.16	TYPICAL SECTION



CLIENT PROJECT NO:	TAP-U-1187(793)--8I-57	FOTH PROJECT NO:	0022C005.02
DESIGNED BY:	K. WOLLNER	CHECKED BY:	C. CARPER
DRAWN BY:	K. WOLLNER		
LETTING DATE:	9/15/2026	CAD DATE:	6/15/2026 2:50:20 PM
CAD FILE:	c:\pw_workdir\pw_ie\amj3\d0579164\0022C005.02_S_SHT.dgn		

NO	DATE	BY	REVISION DESCRIPTION

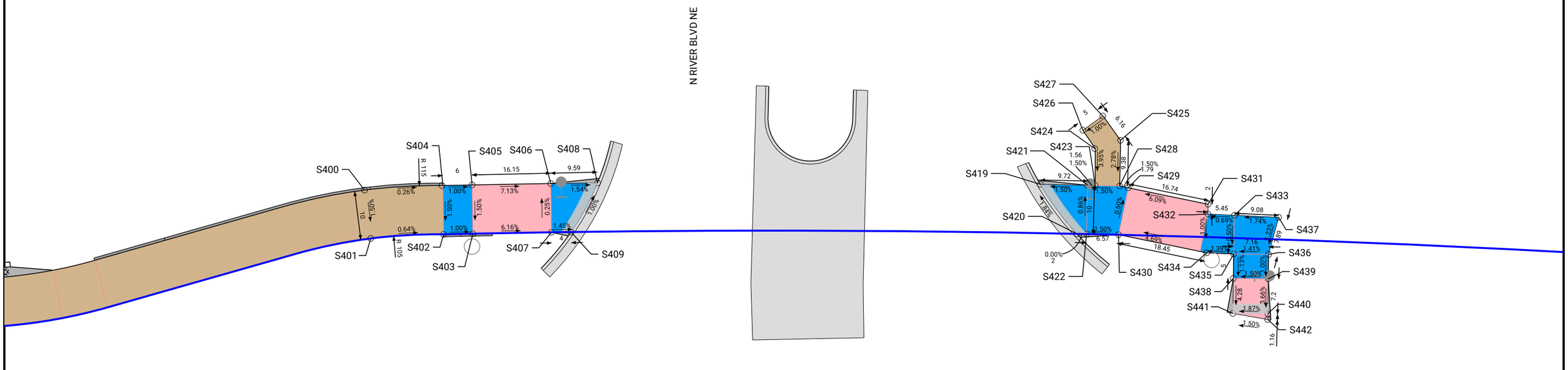
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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

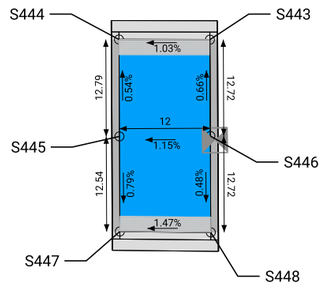
EDGEWOOD ROAD TRAIL
PEDESTRAIN RAMP STAKING

SHEET NO.
S.4
TAP-U-1187(793)--8I-57

pw://foth-pw.bentley.com:foth-pw-01/Documents/Clients/Cedar Rapids PW IA C/Edgewood Road NE Trail Phase 3/CAD/Plans/0022C005.02_S_SHT



EDGEWOOD RD NE



POINT	STATION	OFFSET	ELEVATION	DESCRIPTION
S400	216+06.01 R1	-10.00	851.75	TYPICAL SECTION
S401	216+06.01 R1	0.00	851.58	TYPICAL SECTION
S402	216+21.01 R1	0.00	851.48	LANDING SPACE
S403	216+27.01 R1	0.01	851.43	LANDING SPACE
S404	216+21.08 R1	-9.99	851.61	LANDING SPACE
S405	216+27.05 R1	-10.00	851.56	LANDING SPACE
S406	216+43.15 R1	-10.00	850.40	LANDING SPACE
S407	216+43.15 R1	0.00	850.43	LANDING SPACE
S408	216+52.70 R1	-10.00	850.26	LANDING SPACE
S409	216+47.15 R1	0.00	850.37	LANDING SPACE
S419	217+43.28 R1	-10.00	851.04	LANDING SPACE
S420	217+50.96 R1	0.00	851.27	LANDING SPACE
S421	217+52.97 R1	-10.00	851.19	LANDING SPACE
S422	217+52.96 R1	0.00	851.27	LANDING SPACE
S423	217+54.53 R1	-10.00	851.21	SIDEWALK TRANSITION
S424	217+54.24 R1	-17.55	851.55	SIDEWALK TRANSITION
S425	217+59.46 R1	-19.38	851.67	SIDEWALK TRANSITION
S426	217+51.75 R1	-21.26	851.54	MATCH EXISTING
S427	217+55.72 R1	-24.25	851.72	MATCH EXISTING
S428	217+59.51 R1	-10.00	851.28	LANDING SPACE
S429	217+61.27 R1	-9.68	851.31	LANDING SPACE
S430	217+59.53 R1	-0.02	851.39	LANDING SPACE
S431	217+77.70 R1	-6.74	852.33	CURB RAMP
S432	217+77.73 R1	-4.73	852.31	LANDING SPACE
S433	217+83.17 R1	-4.65	852.35	LANDING SPACE
S434	217+77.71 R1	3.22	852.23	LANDING SPACE
S435	217+83.27 R1	3.29	852.31	LANDING SPACE
S436	217+90.44 R1	3.15	852.41	LANDING SPACE
S437	217+92.24 R1	-4.53	852.51	LANDING SPACE
S438	217+83.36 R1	8.29	852.26	LANDING SPACE

LEGEND

- LANDING AREA (2.0% MAX. ANY DIRECTION, 1.5% TARGET)
- CURB RAMP (8.3% MAX. LONG., 2.0% MAX. CROSS SLOPE) (6.25% TARGET LONG.)
- PROPOSED SIDEWALK

POINT	STATION	OFFSET	ELEVATION	DESCRIPTION
S439	217+90.55 R1	8.14	852.36	LANDING SPACE
S440	217+90.70 R1	15.33	852.10	CURB RAMP
S441	217+83.49 R1	15.48	851.96	CURB RAMP
S442	217+90.72 R1	16.50	852.06	CURB RAMP
S443	217+95.10 R1	58.22	852.65	LANDING SPACE
S444	217+82.87 R1	58.60	852.52	LANDING SPACE
S445	217+83.34 R1	71.39	852.59	LANDING SPACE
S446	217+95.63 R1	70.93	852.73	LANDING SPACE
S447	217+83.81 R1	83.92	852.49	LANDING SPACE
S448	217+96.15 R1	83.63	852.67	LANDING SPACE

0 10 FEET

CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 2:50:21 PM
CAD FILE: c:\pw_workdir\pw_ie\amj3\d05791641\0022C005.02_S_SHT.dgn

NO	DATE	BY	REVISION DESCRIPTION

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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE

CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
PEDESTRAIN RAMP STAKING

SHEET NO.
S.5
TAP-U-1187(793)--8I-57

pw://foth-pw.bentley.com:foth-pw-011\Documents\Clients\Cedar Rapids PW IA CE\Edgewood Road NE Trail Phase 3\CAD\Plans\0022C005.02_S_SHT

SIDEWALK COMPLIANCE

See S Sheets

* Does not include curb
(1) Staking required by Contracting Authority per Article 2511.03 of the Standard Specifications.
(2) Refer to tabulation 113-01 for bid quantities.

Point to Point		Sidewalk Designation	_" PCC Sidewalk (2)	Distance*	Δ Elevation	Slope	Acceptable Constructed Range	Staking Required on this Quadrant? (1)	Measured Slope	Initials	Remarks	FOR INFORMATION ONLY: VALUES USED TO DETERMINE DESIGNED SLOPES			
												Point	Station	Offset	Elevation
				FT	FT	%	Pos. or Neg.		%						
S100	S101	Match Existing Cross Slope	6	10.00	0.13	1.3%	Match Existing					S100	100+42.86	106.54	830.81
S100	S102	Sidewalk Running Slope	6	19.57	-0.30	-1.5%	0.5% to 5.0%					S101	100+43.62	116.51	830.94
S101	S103	Sidewalk Running Slope	6	19.57	-0.33	-1.7%	0.5% to 5.0%					S102	100+61.19	105.17	830.51
S102	S103	Landing/Turning Space	6	10.00	0.10	1.0%	0.1% to 2.0%					S103	100+61.80	115.15	830.61
S102	S104	Landing/Turning Space	6	4.97	-0.07	-1.5%	0.1% to 2.0%					S104	100+65.85	104.86	830.44
S103	S105	Landing/Turning Space	6	4.97	-0.08	-1.6%	0.1% to 2.0%	Yes				S105	100+66.43	114.84	830.53
S104	S105	Landing/Turning Space	6	10.00	0.09	0.9%	0.1% to 2.0%					S106	100+75.41	104.26	830.30
S104	S106	Ramp Running Slope	6	10.18	-0.13	-1.3%	0.5% to 8.3%					S107	100+75.93	114.24	830.18
S105	S107	Ramp Running Slope	6	10.18	-0.35	-3.5%	0.5% to 8.3%					S108	100+79.16	104.04	830.29
S106	S107	Landing/Turning Space	6	10.00	-0.13	-1.3%	0.1% to 2.0%					S109	100+84.61	113.75	830.09
S106	S108	Landing/Turning Space	6	4.00	-0.02	-0.4%	0.1% to 2.0%								
S107	S109	Landing/Turning Space	6	9.30	-0.09	-0.9%	0.1% to 2.0%								
S108	S109	Crosswalk Cross Slope - Yield Condition	6	10.00	-0.19	-1.9%	0.0% to 2.0%					S112	101+23.32	112.16	830.13
S112	S114	Crosswalk Cross Slope - Yield Condition	6	10.09	0.27	2.7%	0.0% to 3.7%					S113	101+24.36	112.14	830.21
S114	S113	Ramp Cross Slope	6	10.00	-0.19	-1.9%	0.1% to 2.0%	Yes				S114	101+24.11	102.14	830.40
S112	S113	Ramp Running Slope	6	1.11	0.08	7.2%	0.5% to 8.3%					S115	101+30.14	101.98	830.73
S113	S116	Ramp Running Slope	6	6.17	0.46	7.5%	0.5% to 8.3%	Yes				S116	101+30.13	111.99	830.67
S114	S115	Ramp Running Slope	6	6.17	0.33	5.3%	0.5% to 8.3%								
S115	S116	Landing/Turning Space	6	10.00	-0.06	-0.6%	0.1% to 2.0%					S118	101+32.94	111.92	830.72
S115	S117	Landing/Turning Space	6	3.00	-0.27	#N/A	#N/A	#N/A				S119	101+32.64	120.80	830.94
S116	S118	Landing/Turning Space	6	3.00	0.05	1.7%	0.1% to 2.0%	Yes				S120	101+37.33	121.36	831.05
S117	S118	Landing/Turning Space	6	10.00	-0.33	#N/A	#N/A	#N/A				S121	101+44.17	111.73	830.90
S118	S119	Sidewalk Running Slope	6	8.88	0.22	2.5%	0.5% to 5.0%					S122	101+44.23	101.71	830.95
S119	S120	Match Existing Cross Slope	6	5.07	0.11	2.2%	Match Existing					S123	101+44.32	88.31	830.88
S120	S121	Sidewalk Running Slope	6	12.09	-0.15	-1.2%	0.5% to 5.0%					S124	101+32.94	88.27	830.70
S118	S121	Landing/Turning Space	6	12.00	0.18	1.5%	0.1% to 2.0%					S125	101+44.35	83.60	830.91
S121	S122	Landing/Turning Space	6	10.00	0.05	0.5%	0.1% to 2.0%					S126	101+32.94	10.00	828.53
S117	S122	Landing/Turning Space	6	12.00	-0.54	#N/A	#N/A	#N/A				S127	101+44.86	10.00	828.64
S117	S124	Landing/Turning Space	6	13.40	-0.50	#N/A	#N/A	#N/A				S128	101+32.91	3.01	829.01
S122	S123	Landing/Turning Space	6	13.40	-0.07	-0.5%	0.1% to 2.0%					S129	101+44.88	3.00	829.13
S123	S124	Landing/Turning Space	6	12.00	-0.18	-1.5%	0.1% to 2.0%					S130	101+32.85	-10.00	829.20
S123	S125	Ramp Running Slope	6	4.71	0.03	0.6%	0.5% to 8.3%					S131	101+44.89	0.00	829.17
S124	S125	Crosswalk Cross Slope - Yield Condition	6	13.04	0.21	1.6%	0.0% to 2.0%					S132	101+44.89	-10.00	829.32
S126	S127	Crosswalk Cross Slope - Yield Condition	6	12.00	0.11	0.9%	0.0% to 2.0%					S133	101+32.84	-12.00	829.23
S126	S128	Ramp Running Slope	6	7.00	0.48	6.8%	0.5% to 8.3%					S134	101+55.40	-18.77	829.64
S127	S129	Ramp Running Slope	6	7.00	0.49	7.0%	0.5% to 8.3%					S135	101+69.55	-13.80	829.82
S128	S129	Landing/Turning Space	6	12.00	0.12	1.0%	0.1% to 2.0%					S136	101+79.96	-12.00	829.98
S128	S130	Landing/Turning Space	6	13.00	0.19	1.5%	0.1% to 2.0%								
S129	S131	Landing/Turning Space	6	3.00	0.04	1.5%	0.1% to 2.0%								
S130	S132	Landing/Turning Space	6	12.00	0.12	1.0%	0.1% to 2.0%								
S132	S131	Landing/Turning Space	6	10.00	-0.15	-1.5%	0.1% to 2.0%								
S131	S138	Sidewalk Running Slope	6	34.85	-0.63	-1.8%	0.5% to 5.0%								
S132	S137	Sidewalk Running Slope	6	34.85	-0.63	-1.8%	0.5% to 5.0%								
S137	S138	Sidewalk Cross Slope	6	10.00	0.15	1.5%	0.5% to 2.0%								
S130	S133	Sidewalk Running Slope	6	2.00	0.03	1.5%	0.5% to 5.0%								
S133	S134	Sidewalk Running Slope	6	24.94	0.41	1.6%	0.5% to 5.0%								
S134	S135	Sidewalk Running Slope	6	14.86	0.18	1.2%	0.5% to 5.0%								
S135	S136	Sidewalk Running Slope	6	10.54	0.16	1.5%	0.5% to 5.0%								
S200	S201	Sidewalk Cross Slope	6	10.00	-0.15	-1.5%	0.5% to 2.0%					S200	117+19.27	-10.00	864.13
S200	S202	Sidewalk Running Slope	6	18.60	-0.27	-1.5%	0.5% to 5.0%					S201	117+19.27	0.00	863.98
S201	S203	Sidewalk Running Slope	6	21.12	-0.27	-1.3%	0.5% to 5.0%					S202	117+40.40	-10.00	863.86
S202	S203	Landing/Turning Space	6	10.00	-0.15	-1.5%	0.1% to 2.0%					S203	117+40.40	0.00	863.71
S202	S208	Landing/Turning Space	6	8.66	-0.11	-1.3%	0.1% to 2.0%					S204	117+46.93	6.60	863.21
S203	S206	Landing/Turning Space	6	10.00	-0.10	-1.0%	0.1% to 2.0%					S205	117+54.04	-0.44	863.05
S207	S206	Sidewalk Running Slope	4	11.02	0.07	0.6%	0.5% to 5.0%					S206	117+47.50	-7.04	863.61
S206	S205	Ramp Running Slope	6	9.28	-0.56	-6.0%	0.5% to 8.3%					S207	117+51.31	-17.39	863.54
S203	S204	Ramp Running Slope	6	9.28	-0.50	-5.4%	0.5% to 8.3%					S208	117+41.01	-13.59	863.75
S204	S205	Ramp Cross Slope	6	10.00	-0.16	-1.6%	0.1% to 2.0%	Yes				S209	117+56.89	-35.55	863.31
S208	S209	Sidewalk Running Slope	4	27.25	-0.44	-1.6%	0.5% to 5.0%					S210	117+61.41	-33.41	863.27
S207	S210	Sidewalk Running Slope	4	19.89	-0.27	-1.4%	0.5% to 5.0%					S211	117+68.04	13.70	863.43
S209	S210	Match Existing Cross Slope	4	5.00	-0.04	-0.8%	Match Existing					S212	117+60.58	20.37	863.61
S211	S212	Crosswalk Cross Slope - Yield Condition	6	10.00	0.18	1.8%	0.0% to 2.0%					S213	117+60.94	20.73	863.62
S212	S213	Ramp Running Slope	6	0.52	0.01	1.9%	0.5% to 8.3%					S214	117+65.16	24.99	863.93
S211	S213	Ramp Cross Slope	6	10.00	0.19	1.9%	0.1% to 2.0%	Yes				S215	117+72.26	17.96	863.83
S211	S215	Ramp Running Slope	6	6.00	0.40	6.7%	0.5% to 8.3%					S216	117+75.71	21.44	863.87
S213	S214	Ramp Running Slope	6	6.00	0.31	5.2%	0.5% to 8.3%					S217	117+80.88	21.44	863.80
S215	S214	Landing/Turning Space	6	10.00	0.10	1.0%	0.1% to 2.0%					S218	117+80.98	31.44	864.17
S215	S216	Landing/Turning Space	6	4.90	0.04	0.8%	0.1% to 2.0%					S219	117+75.72	31.44	863.99
S214	S220	Landing/Turning Space	6	6.62	0.08	1.2%	0.1% to 2.0%					S220	117+69.82	29.70	864.01
S220	S221	Landing/Turning Space	6	1.36	0.01	0.7%	0.1% to 2.0%					S221	117+69.73	31.06	864.02
S216	S219	Landing/Turning Space	6	10.00	0.12	1.2%	0.1% to 2.0%					S222	117+69.39	36.50	864.24
S221	S219	Landing/Turning Space	6	6.00	-0.03	-0.5%	0.1% to 2.0%					S223	117+69.36	36.89	864.23

SIDEWALK COMPLIANCE

See S Sheets

* Does not include curb
(1) Staking required by Contracting Authority per Article 2511.03 of the Standard Specifications.
(2) Refer to tabulation 113-01 for bid quantities.

Point to Point		Sidewalk Designation	_" PCC Sidewalk (2)	Distance*	Δ Elevation	Slope	Acceptable Constructed Range	Staking Required on this Quadrant? (1)	Measured Slope	Initials	Remarks	FOR INFORMATION ONLY: VALUES USED TO DETERMINE DESIGNED SLOPES			
												Point	Station	Offset	Elevation
				FT	FT	%	Pos. or Neg.		%						
S216	S217	Ramp Running Slope	6	5.16	-0.07	-1.4%	0.5% to 8.3%					S224	117+75.37	36.88	864.33
S219	S218	Ramp Running Slope	6	5.26	0.18	3.4%	0.5% to 8.3%					S225	117+70.94	106.28	865.19
S217	S218	Crosswalk Cross Slope - Yield Condition	6	10.00	0.37	3.7%	0.0% to 4.7%					S226	117+70.91	106.66	865.20
S219	S224	Ramp Running Slope	6	5.45	0.34	6.2%	0.5% to 8.3%					S227	117+20.59	104.97	865.12
S221	S222	Ramp Running Slope	6	5.45	0.22	4.0%	0.5% to 8.3%					S228	117+20.19	106.76	865.13
S222	S223	Ramp Running Slope	6	0.39	-0.01	-2.6%	0.5% to 8.3%					S229	117+70.79	108.66	865.22
S222	S224	Ramp Cross Slope	6	6.00	0.09	1.5%	0.1% to 2.0%					S230	117+70.43	114.28	865.26
S223	S224	Crosswalk Cross Slope - Yield Condition	6	6.01	0.10	1.7%	0.0% to 2.0%					S231	117+19.18	112.31	865.18
S225	S227	Landing/Turning Space	6	6.01	-0.07	-1.2%	0.1% to 2.0%					S232	117+18.72	111.85	865.16
S225	S226	Landing/Turning Space	6	0.39	0.00	1.3%	0.1% to 2.0%					S233	117+18.30	105.00	865.09
S226	S227	Landing/Turning Space	6	6.00	-0.08	-1.3%	0.1% to 2.0%					S234	117+15.66	110.24	865.04
S226	S229	Landing/Turning Space	6	2.00	0.02	1.2%	0.1% to 2.0%					S235	117+17.33	114.64	865.10
S227	S228	Landing/Turning Space	6	2.00	0.01	0.5%	0.1% to 2.0%					S236	117+15.46	118.63	864.73
S228	S229	Landing/Turning Space	6	6.00	0.09	1.5%	0.1% to 2.0%					S237	117+13.76	114.29	864.70
S229	S230	Landing/Turning Space	6	5.63	0.04	0.7%	0.1% to 2.0%					S238	117+14.93	119.81	864.70
S230	S231	Landing/Turning Space	6	5.62	-0.08	-1.4%	0.1% to 2.0%								
S228	S231	Landing/Turning Space	6	6.00	0.05	0.8%	0.1% to 2.0%								
S228	S233	Landing/Turning Space	6	4.61	-0.04	-0.9%	0.1% to 2.0%								
S231	S232	Landing/Turning Space	6	1.18	-0.02	-1.7%	0.1% to 2.0%	Yes							
S232	S233	Landing/Turning Space	6	6.89	-0.07	-1.0%	0.1% to 2.0%								
S233	S234	Landing/Turning Space	6	7.99	-0.05	-0.6%	0.1% to 2.0%								
S232	S235	Landing/Turning Space	6	4.29	-0.06	-1.4%	0.1% to 2.0%								
S234	S235	Landing/Turning Space	6	5.88	0.06	1.0%	0.1% to 2.0%								
S234	S237	Ramp Running Slope	6	6.00	-0.34	-5.7%	0.5% to 8.3%								
S235	S236	Ramp Running Slope	6	6.00	-0.37	-6.2%	0.5% to 8.3%								
S236	S238	Ramp Running Slope	6	1.74	-0.03	-1.7%	0.5% to 8.3%								
S237	S236	Ramp Cross Slope	6	5.92	0.03	0.5%	0.1% to 2.0%								
S237	S238	Crosswalk Cross Slope - Yield Condition	6	6.19	0.00	0.0%	0.0% to 2.0%								
S300	S301	Crosswalk Cross Slope - Yield Condition	6	10.00	0.44	4.4%	0.0% to 5.4%								
S300	S302	Crosswalk Cross Slope - Yield Condition	6	10.00	0.42	4.2%	0.0% to 5.2%					S300	118+54.44	21.40	864.13
S301	S302	Ramp Running Slope	6	0.53	-0.02	-3.8%	0.5% to 8.3%					S301	118+53.91	31.38	864.57
S300	S303	Ramp Running Slope	6	5.88	0.15	2.6%	0.5% to 8.3%					S302	118+54.45	31.38	864.55
S302	S304	Ramp Running Slope	6	6.53	-0.17	-2.6%	0.5% to 8.3%					S303	118+60.44	21.38	864.28
S303	S304	Landing/Turning Space	6	10.00	0.10	1.0%	0.1% to 2.0%					S304	118+60.45	31.38	864.38
S303	S305	Landing/Turning Space	6	5.62	-0.08	-1.4%	0.1% to 2.0%					S305	118+66.06	21.37	864.20
S304	S306	Landing/Turning Space	6	5.62	-0.05	-0.9%	0.1% to 2.0%					S306	118+66.07	31.37	864.33
S305	S306	Landing/Turning Space	6	10.00	0.13	1.3%	0.1% to 2.0%					S307	118+69.86	31.37	864.31
S306	S307	Landing/Turning Space	6	3.79	-0.02	-0.5%	0.1% to 2.0%					S308	118+72.69	28.86	864.29
S307	S308	Landing/Turning Space	6	3.79	-0.02	-0.5%	0.1% to 2.0%					S309	118+68.85	18.91	864.14
S305	S309	Landing/Turning Space	6	3.72	-0.06	-1.6%	0.1% to 2.0%	Yes				S310	118+75.48	26.40	864.24
S305	S308	Landing/Turning Space	6	10.00	0.09	0.9%	0.1% to 2.0%					S311	118+73.35	14.92	863.77
S308	S310	Landing/Turning Space	6	3.72	-0.05	-1.3%	0.1% to 2.0%					S312	118+79.98	22.41	864.11
S309	S310	Landing/Turning Space	6	10.00	0.10	1.0%	0.1% to 2.0%					S313	200+35.38	1.32	862.98
S309	S311	Ramp Running Slope	6	6.00	-0.37	-6.2%	0.5% to 8.3%					S314	200+34.56	-3.61	863.05
S310	S312	Ramp Running Slope	6	6.00	-0.13	-2.2%	0.5% to 8.3%					S315	200+51.89	-5.00	863.44
S311	S312	Crosswalk Cross Slope - Yield Condition	6	10.00	0.34	3.4%	0.0% to 4.4%					S316	200+51.89	0.00	863.36
S319	S320	Crosswalk Cross Slope - Yield Condition	6	10.04	0.32	3.2%	0.0% to 4.2%					S317	200+70.70	0.00	863.78
S319	S318	Ramp Running Slope	6	0.86	0.03	3.3%	0.5% to 8.3%					S318	200+70.25	9.14	863.27
S318	S320	Ramp Cross Slope	6	10.00	0.29	2.9%	0.1% to 3.9%					S319	200+70.22	10.00	863.25
S318	S317	Ramp Running Slope	6	7.64	0.50	6.6%	0.5% to 8.3%					S320	200+79.37	10.00	863.56
S320	S321	Ramp Running Slope	6	7.64	0.31	4.1%	0.5% to 8.3%					S321	200+80.55	0.93	863.88
S317	S321	Landing/Turning Space	6	10.00	0.10	1.0%	0.1% to 2.0%					S322	200+80.68	-10.00	864.04
S317	S323	Landing/Turning Space	6	10.00	0.15	1.5%	0.1% to 2.0%					S323	200+70.76	-10.00	863.93
S323	S324	Sidewalk Running Slope	6	10.95	-0.31	-2.8%	0.5% to 5.0%					S324	200+60.25	-5.00	863.62
S322	S323	Landing/Turning Space	6	9.00	-0.11	-1.2%	0.1% to 2.0%					S325	200+80.74	-0.01	863.89
S322	S325	Landing/Turning Space	6	10.00	-0.15	-1.5%	0.1% to 2.0%					S326	200+97.28	0.00	864.73
S325	S321	Landing/Turning Space	6	0.97	-0.01	-1.4%	0.1% to 2.0%					S327	200+97.28	-10.00	864.88
S324	S315	Sidewalk Running Slope	6	9.75	-0.18	-1.9%	0.5% to 5.0%								
S315	S314	Sidewalk Running Slope	6	16.65	-0.38	-2.3%	0.5% to 5.0%								
S316	S317	Sidewalk Running Slope	4	18.81	0.42	2.2%	0.5% to 5.0%								
S316	S313	Sidewalk Running Slope	4	16.65	-0.37	-2.2%	0.5% to 5.0%								
S313	S314	Match Existing Cross Slope	4	5.00	0.07	1.4%	Match Existing								
S322	S327	Sidewalk Running Slope	6	15.00	0.84	5.6%	0.5% to 6.6%								
S325	S326	Sidewalk Running Slope	6	16.54	0.84	5.0%	0.5% to 5.0%	Yes							
S327	S326	Sidewalk Cross Slope	6	10.00	-0.15	-1.5%	0.5% to 2.0%								
			6												
			6												
S400	S401	Sidewalk Cross Slope	6	10.00	-0.16	-1.6%	0.5% to 2.0%	Yes							
S400	S404	Sidewalk Running Slope	6	15.00	-0.14	-0.9%	0.5% to 5.0%					S400	216+06.01	-10.00	851.75
S401	S402	Sidewalk Running Slope	6	15.00	-0.10	-0.7%	0.5% to 5.0%					S401	216+06.01	0.00	851.58
S402	S403	Landing/Turning Space	6	6.00	-0.06	-0.9%	0.1% to 2.0%					S402	216+21.01	0.00	851.48
S402	S404	Landing/Turning Space	6	10.00	0.13	1.3%	0.1% to 2.0%					S403	216+27.01	0.01	851.43

SIDEWALK COMPLIANCE

See S Sheets

* Does not include curb
(1) Staking required by Contracting Authority per Article 2511.03 of the Standard Specifications.
(2) Refer to tabulation 113-01 for bid quantities.

Point to Point		Sidewalk Designation	_" PCC Sidewalk (2)	Distance*	Δ Elevation	Slope	Acceptable Constructed Range	Staking Required on this Quadrant? (1)	Measured Slope	Initials	Remarks	FOR INFORMATION ONLY: VALUES USED TO DETERMINE DESIGNED SLOPES			
												Point	Station	Offset	Elevation
				FT	FT	%	Pos. or Neg.		%						
S403	S405	Landing/Turning Space	6	10.00	0.13	1.3%	0.1% to 2.0%								
S404	S405	Landing/Turning Space	6	6.00	-0.06	-0.9%	0.1% to 2.0%								
S403	S407	Ramp Running Slope	6	16.15	-1.00	-6.2%	0.5% to 8.3%								
S405	S406	Ramp Running Slope	6	16.15	-1.15	-7.1%	0.5% to 8.3%								
S406	S407	Landing/Turning Space	6	10.00	0.03	0.3%	0.1% to 2.0%								
S406	S408	Landing/Turning Space	6	9.59	-0.15	-1.5%	0.1% to 2.0%								
S407	S409	Landing/Turning Space	6	4.00	-0.06	-1.4%	0.1% to 2.0%								
S408	S409	Crosswalk Cross Slope - Yield Condition	6	11.46	0.12	1.0%	0.0% to 2.0%								
			6	2.00	#N/A	#N/A	#N/A	#N/A							
S419	S420	Crosswalk Cross Slope - Yield Condition	6	12.64	0.23	1.8%	0.0% to 2.0%								
S419	S421	Landing/Turning Space	4	9.72	0.14	1.5%	0.1% to 2.0%					S419	217+43.28	-10.00	851.04
S420	S422	Landing/Turning Space	4	2.00	0.00	0.0%	0.1% to 2.0%					S420	217+50.96	0.00	851.27
S421	S422	Landing/Turning Space	6	10.00	0.09	0.9%	0.1% to 2.0%					S421	217+52.97	-10.00	851.19
S421	S423	Landing/Turning Space	6	1.56	0.02	1.5%	0.1% to 2.0%					S422	217+52.96	0.00	851.27
S422	S430	Landing/Turning Space	6	6.57	0.12	1.8%	0.1% to 2.0%	Yes				S423	217+54.53	-10.00	851.21
S430	S429	Landing/Turning Space	6	9.81	-0.08	-0.8%	0.1% to 2.0%					S424	217+54.24	-17.55	851.55
S429	S428	Landing/Turning Space	6	1.79	-0.03	-1.5%	0.1% to 2.0%					S425	217+59.46	-19.38	851.54
S423	S424	Sidewalk Running Slope	6	7.58	0.35	4.6%	0.5% to 5.0%	Yes				S426	217+51.75	-21.26	851.67
S424	S426	Sidewalk Running Slope	4	4.52	0.12	2.6%	0.5% to 5.0%					S427	217+55.72	-24.25	851.72
S426	S427	Match Existing Cross Slope	4	5.00	0.05	0.9%	Match Existing					S428	217+59.51	-10.00	851.28
S427	S425	Sidewalk Running Slope	4	6.16	-0.18	-2.8%	0.5% to 5.0%					S429	217+61.27	-9.68	851.31
S427	S428	Sidewalk Running Slope	4	9.38	-0.43	-4.6%	0.5% to 5.0%	Yes				S430	217+59.53	-0.02	851.39
S429	S431	Ramp Running Slope	6	16.74	1.02	6.1%	0.5% to 8.3%					S431	217+77.70	-6.74	852.33
S430	S434	Ramp Running Slope	6	16.74	0.84	5.0%	0.5% to 8.3%					S432	217+77.73	-4.73	852.31
S431	S432	Ramp Cross Slope	6	2.00	-0.02	-1.0%	0.1% to 2.0%					S433	217+83.17	-4.65	852.35
S432	S434	Landing/Turning Space	6	6.92	-0.08	-1.1%	0.1% to 2.0%					S434	217+77.71	3.22	852.23
S432	S433	Landing/Turning Space	6	5.45	0.04	0.8%	0.1% to 2.0%					S435	217+83.27	3.29	852.31
S433	S437	Landing/Turning Space	6	9.08	0.16	1.7%	0.1% to 2.0%	Yes				S436	217+90.44	3.15	852.41
S434	S435	Landing/Turning Space	6	5.56	0.08	1.4%	0.1% to 2.0%					S437	217+92.24	-4.53	852.51
S433	S435	Landing/Turning Space	6	7.79	-0.04	-0.5%	0.1% to 2.0%					S438	217+83.36	8.29	852.26
S437	S436	Landing/Turning Space	6	7.89	-0.10	-1.2%	0.1% to 2.0%					S439	217+90.55	8.14	852.36
S435	S436	Landing/Turning Space	6	7.16	0.10	1.4%	0.1% to 2.0%					S440	217+90.70	15.33	852.09
S435	S438	Landing/Turning Space	6	5.00	-0.06	-1.1%	0.1% to 2.0%					S441	217+83.49	15.48	851.96
S436	S439	Landing/Turning Space	6	5.00	-0.05	-1.0%	0.1% to 2.0%					S442	217+90.72	16.50	852.06
S438	S439	Landing/Turning Space	6	7.16	0.11	1.5%	0.1% to 2.0%					S443	217+95.10	58.22	852.65
S438	S441	Ramp Running Slope	6	7.20	-0.29	-4.1%	0.5% to 8.3%					S444	217+82.87	58.60	852.52
S439	S440	Ramp Running Slope	6	7.20	-0.27	-3.8%	0.5% to 8.3%					S445	217+83.34	71.39	852.59
S440	S441	Ramp Cross Slope	6	7.16	-0.13	-1.8%	0.1% to 2.0%	Yes				S446	217+95.63	70.93	852.73
S440	S442	Ramp Running Slope	6	1.16	-0.03	-2.9%	0.5% to 8.3%					S447	217+83.81	83.92	852.49
S441	S442	Crosswalk Cross Slope - Yield Condition	6	7.27	0.10	1.3%	0.0% to 2.0%					S448	217+96.15	83.63	852.67
S444	S443	Landing/Turning Space	6	12.00	0.12	1.0%	0.1% to 2.0%								
S443	S446	Landing/Turning Space	6	12.72	0.08	0.7%	0.1% to 2.0%								
S444	S445	Landing/Turning Space	6	12.79	0.07	0.5%	0.1% to 2.0%								
S445	S446	Landing/Turning Space	6	12.00	0.14	1.2%	0.1% to 2.0%								
S445	S447	Landing/Turning Space	6	12.54	-0.10	-0.8%	0.1% to 2.0%								
S447	S448	Landing/Turning Space	6	12.00	0.18	1.5%	0.1% to 2.0%								
S446	S448	Landing/Turning Space	6	12.72	-0.06	-0.5%	0.1% to 2.0%								
S500	S501	Sidewalk Cross Slope	6	10.16	-0.15	-1.5%	0.5% to 2.0%					S500	206+16.43	-10.00	859.89
S500	S502	Sidewalk Running Slope	6	15.51	-0.39	-2.5%	0.5% to 5.0%					S501	206+16.43	0.17	859.74
S501	S503	Sidewalk Running Slope	6	14.99	-0.38	-2.5%	0.5% to 5.0%					S502	206+31.43	-10.00	859.50
S502	S503	Sidewalk Cross Slope	6	10.00	-0.14	-1.4%	0.5% to 2.0%					S503	206+31.43	0.00	859.36
S502	S504	Sidewalk Running Slope	6	7.59	-0.19	-2.5%	0.5% to 5.0%					S504	206+39.02	-10.00	859.31
S503	S505	Sidewalk Running Slope	6	7.59	-0.20	-2.6%	0.5% to 5.0%					S505	206+39.02	0.00	859.16
S504	S505	Landing/Turning Space	6	10.00	-0.15	-1.5%	0.1% to 2.0%					S506	206+49.02	-10.00	859.21
S504	S506	Landing/Turning Space	6	10.00	-0.10	-1.0%	0.1% to 2.0%					S507	206+49.02	0.00	859.06
S505	S507	Landing/Turning Space	6	10.00	-0.10	-1.0%	0.1% to 2.0%					S508	206+59.02	-10.00	858.71
S506	S507	Landing/Turning Space	6	10.00	-0.15	-1.5%	0.1% to 2.0%					S509	206+59.02	0.00	858.56
S506	S508	Ramp Running Slope	6	10.00	-0.50	-5.0%	0.5% to 8.3%					S510	206+70.53	-10.00	858.63
S507	S509	Ramp Running Slope	6	10.00	-0.50	-5.0%	0.5% to 8.3%					S511	206+61.02	0.00	858.54
S508	S509	Landing/Turning Space	6	10.00	-0.15	-1.5%	0.1% to 2.0%					S512	206+89.86	1.00	858.82
S509	S511	Landing/Turning Space	6	2.00	-0.02	-1.0%	0.1% to 2.0%					S513	206+98.38	-11.95	858.88
S508	S510	Landing/Turning Space	6	11.51	-0.08	-0.7%	0.1% to 2.0%					S514	206+97.31	1.00	858.91
S510	S511	Crosswalk Cross Slope - Yield Condition	6	13.80	-0.09	-0.7%	0.0% to 2.0%					S515	207+00.42	-11.00	858.87
S512	S513	Crosswalk Cross Slope - Yield Condition	6	15.49	0.06	0.4%	0.0% to 2.0%					S516	207+08.22	1.00	858.74
S513	S515	Landing/Turning Space	6	2.32	-0.01	-0.4%	0.1% to 2.0%					S517	207+09.75	-11.00	858.82
S512	S514	Landing/Turning Space	6	7.45	0.09	1.2%	0.1% to 2.0%					S518	207+10.72	-11.18	858.81
S515	S517	Landing/Turning Space	6	9.33	-0.05	-0.5%	0.1% to 2.0%					S519	207+09.61	1.39	858.69
S514	S516	Landing/Turning Space	6	10.91	-0.17	-1.6%	0.1% to 2.0%	Yes				S520	207+37.31	-10.00	858.34
S517	S518	Landing/Turning Space	6	0.99	-0.01	-1.0%	0.1% to 2.0%					S521	207+40.86	0.00	858.17
S516	S519	Crosswalk Cross Slope - Yield Condition	6	12.63	-0.05	-0.4%	0.0% to 2.0%					S522	207+40.86	-10.00	858.32
S520	S521	Crosswalk Cross Slope - Yield Condition	6	10.61	-0.17	-1.6%	0.0% to 2.0%					S523	207+50.86	-10.00	858.52
S520	S522	Ramp Running Slope	6	3.56	-0.02	-0.6%	0.5% to 8.3%					S524	207+50.86	0.00	858.37

SIDEWALK COMPLIANCE

See S Sheets

* Does not include curb
(1) Staking required by Contracting Authority per Article 2511.03 of the Standard Specifications.
(2) Refer to tabulation 113-01 for bid quantities.

Point to Point		Sidewalk Designation	_" PCC Sidewalk (2)	Distance*	Δ Elevation	Slope	Acceptable Constructed Range	Staking Required on this Quadrant? (1)	Measured Slope	Initials	Remarks	FOR INFORMATION ONLY: VALUES USED TO DETERMINE DESIGNED SLOPES			
												Point	Station	Offset	Elevation
				FT	FT	%	Pos. or Neg.		%						
S521	S522	Ramp Cross Slope	6	10.00	0.15	1.5%	0.1% to 2.0%					S525	207+60.86	-10.00	858.57
S522	S523	Ramp Running Slope	6	10.00	0.20	2.0%	0.5% to 8.3%					S526	207+60.86	0.00	858.42
S521	S524	Ramp Running Slope	6	10.00	0.20	2.0%	0.5% to 8.3%					S527	207+75.86	-10.00	858.31
S523	S524	Landing/Turning Space	6	10.00	-0.15	-1.5%	0.1% to 2.0%					S528	207+75.86	0.00	858.16
S523	S525	Landing/Turning Space	6	10.00	0.05	0.5%	0.1% to 2.0%								
S524	S526	Landing/Turning Space	6	10.00	0.05	0.5%	0.1% to 2.0%								
S525	S526	Landing/Turning Space	6	10.00	-0.15	-1.5%	0.1% to 2.0%								
S525	S527	Sidewalk Running Slope	6	15.00	-0.26	-1.7%	0.5% to 5.0%								
S526	S528	Sidewalk Running Slope	6	15.00	-0.26	-1.7%	0.5% to 5.0%								
S527	S528	Sidewalk Cross Slope	6	10.00	-0.15	-1.5%	0.5% to 2.0%								

Refer to Standard Road Plans EW-101 and EW-102.

TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS

107-28
04-21-15

Station	Cut					Fill					Checks (EW-102)		Topsoil									
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]
	Total Cut Unadjusted Volume	Total Class 10 Unadjusted Volume	Topsoil Cut Volume	Template Pavement Removal Volume	Total Cut Adjusted	Total Fill Unadjusted Volume	Existing Topsoil Stripping Undercut (+ Fill)	Total Fill Adjusted	Total Fill Adjusted w/ Weighted Average 1.3 Shrink Factor	Total Cut Adjusted Minus Fill w/ Shrink	Approx. Fill Vol. Below 5' & Above 20' w/ Shrink	Approx. Fill Volume Below 3' w/ Shrink	Topsoil Stripping Undercut Volume	Topsoil Placement Undercut Volume	Topsoil Placement With 1.4 Shrink Factor	Topsoil Stripping Minus Topsoil Placement w/Shrink						
TR_GLSTO42ND																						
100+50.00	17	9	12	4	9	4		4	6	3	0	0	12	11	15	-4						
100+75.00	16	7	16	2	7	7		7	10	-3	0	0	16	15	21	-5						
101+00.00	25	11	21	4	11	35		35	45	-34	0	0	21	19	27	-5						
101+25.00	67	32	25	18	32	63	9	63	82	-50	0	0	25	17	24	1						
101+50.00	58	23	22	15	23	64	18	64	83	-60	0	0	22	13	19	3						
101+75.00	47	36	18	1	36	55	2	55	72	-36	0	0	18	11	16	3						
102+00.00	75	74	15	0	74	53		53	69	5	0	0	15	7	9	5						
102+25.00	92	91	15	0	91	69		69	89	2	0	0	15	6	9	6						
102+50.00	105	105	15	0	105	84		84	109	-4	0	0	15	6	9	6						
102+75.00	54	53	15	0	53	44		44	57	-4	0	0	15	3	4	10						
103+00.00	49	48	15	0	48	39		39	51	-3	0	0	15	3	4	10						
103+25.00	143	142	15	0	142	66		66	86	56	0	0	15	6	9	6						
103+50.00	196	196	15	0	196	58		58	76	120	0	0	15	6	8	6						
103+75.00	198	197	15	0	197	59		59	77	120	0	0	15	6	8	6						
104+00.00	185	185	14	0	185	54		54	70	115	0	0	14	6	8	6						
104+25.00	187	186	14	1	186	53		53	69	117	0	0	14	6	8	6						
104+50.00	189	189	15	1	189	53		53	68	120	0	0	15	6	8	6						
104+75.00	174	174	13	1	174	49		49	64	110	0	0	13	6	9	5						
105+00.00	181	171	14	10	171	46		46	60	112	0	0	14	10	14	1						
105+25.00	184	172	14	12	172	43		43	56	116	0	0	14	10	14	1						
105+50.00	165	160	11	5	160	41		41	53	107	0	0	11	6	9	2						
105+75.00	163	157	11	6	157	41		41	54	103	0	0	11	6	9	2						
106+00.00	166	160	10	6	160	42		42	54	105	0	0	10	6	9	2						
106+25.00	121	116	10	5	116	46		46	60	56	0	0	10	6	9	2						
106+50.00	76	71	10	5	71	52		52	68	3	0	0	10	6	9	2						
106+75.00	77	71	10	5	71	52		52	67	4	0	0	10	6	9	1						
107+00.00	73	67	10	6	67	51		51	66	1	0	0	10	6	9	2						
107+25.00	77	71	10	5	71	50		50	65	6	0	0	10	6	9	2						
107+50.00	84	81	22	3	81	52		52	68	13	0	0	22	6	9	14						
107+75.00	91	90	29	1	90	59		59	76	14	0	0	29	6	9	21						
108+00.00	110	110	24	0	110	65		65	85	25	0	0	24	7	10	14						
108+25.00	110	108	24	0	108	69		69	90	19	0	0	24	12	17	7						
108+50.00	91	87	24	0	87	68		68	89	-2	0	0	24	16	23	1						
108+75.00	83	79	24	0	79	63		63	82	-2	0	0	24	16	22	1						
109+00.00	78	75	24	0	75	56		56	73	2	0	0	24	16	22	2						
109+25.00	72	70	23	0	70	55		55	72	-2	0	0	23	15	22	2						
109+50.00	77	75	23	0	75	53		53	69	7	0	0	23	15	21	2						
109+75.00	80	79	23	0	79	48		48	62	17	0	0	23	15	21	2						
110+00.00	76	75	22	1	75	44		44	57	18	0	0	22	15	21	2						
110+25.00	74	73	22	1	73	41		41	53	20	0	0	22	14	20	2						
110+50.00	75	74	22	1	74	37		37	49	25	0	0	22	14	20	2						
110+75.00	79	78	21	1	78	34		34	44	34	0	0	21	14	20	2						
111+00.00	73	72	21	1	72	36		36	47	25	0	0	21	11	16	5						
111+25.00	43	35	21	1	35	41		41	54	-19	0	0	21	9	12	8						
111+50.00	20	6	20	1	6	41	4	41	53	-47	0	0	20	9	12	8						
111+75.00	22	6	18	4	6	36	8	36	46	-40	0	0	18	9	13	5						
112+00.00	25	6	15	6	6	29	11	29	38	-32	0	0	15	10	13	2						
112+25.00	26	9	23	6	9	18		18	23	-15	0	0	23	13	18	4						
112+50.00	33	22	26	6	22	5		5	6	15	0	0	26	16	23	3						
112+75.00	41	35	21	6	35	0		0	0	35	0	0	21	16	23	-2						
113+00.00	47	40	21	6	40	0		0	0	40	0	0	21	16	23	-2						
113+25.00	49	42	21	6	42	0		0	0	42	0	0	21	16	23	-2						
113+50.00	47	41	21	6	41	0		0	0	41	0	0	21	16	22	-1						
113+75.00	44	38	20	6	38	0		0	0	38	0	0	20	15	21	-1						
114+00.00	38	31	19	6	31	0		0	0	32	0	0	19	14	20	-1						
114+25.00	31	25	18	6	25	0		0	0	25	0	0	18	13	18	0						
114+50.00	24	20	18	4	20	0		0	0	20	0	0	18	12	18	0						
114+75.00	18	15	17	2	15	1		1	1	15	0	0	17	12	17	1						
115+00.00	15	11	17	2	11	2		2	3	8	0	0	17	11	16	1						
115+25.00	15	9	17	2	9	4		4	6	3	0	0	17	12	16	0						
115+50.00	17	8	17	2	8	7		7	9	-2	0	0	17	12	17	0						
115+75.00	20	7	17	2	7	13	5	13	17	-10	0	0	17	12	17	0						
116+00.00	23	7	18	1	7	21	12	21	28	-21	0	0	18	13	18	1						
116+25.00	24	7	19	1	7	31	14	31	40	-34	0	0	19	13	18	1						
116+50.00	24	6	19	1	6	39	15	39	51	-45	0	0	19	14	19	0						
116+75.00																						
Subtotals:	5,034	4,621	1,150	205	4,621	2,404	83	2,404	3,128	1,494	0	0	1,150	684	961	190						

PROJECT NO: TAP-U-1187(793)--81-57
PROJECT DATE: 9/15/2026
CAD DATE: 6/15/2026 12:36:26 PM
CAD FILE: c:\pw_workdir\pw_ie\cjcld0630801\0022C005.02_S-Sheets.xlsm

DESIGNED BY: J. MEYER
CHECKED BY: C. CARPER
DRAWN BY: J. MEYER

NO	DATE	BY	REVISION DESCRIPTION

Foth

EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EARTHWORK

SHEET NO.
T.1
TAP-U-1187(793)--81-57

Refer to Standard Road Plans EW-101 and EW-102.

TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS

107-28
04-21-15

Station	Cut					Fill					Checks (EW-102)		Topsoil									
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]
	Total Cut Unadjusted Volume	Total Class 10 Unadjusted Volume	Topsoil Cut Volume	Template Pavement Removal Volume	Total Cut Adjusted	Total Fill Unadjusted Volume	Existing Topsoil Stripping Undercut (+ Fill)	Total Fill Adjusted	Total Fill Adjusted w/ Weighted Average 1.3 Shrink Factor	Total Cut Adjusted Minus Fill w/ Shrink	Approx. Fill Vol. Below 5' & Above 20' w/ Shrink	Approx. Fill Volume Below 3' w/ Shrink	Topsoil Stripping Undercut Volume	Topsoil Placement Undercut Volume	Topsoil Placement With 1.4 Shrink Factor	Topsoil Stripping Minus Topsoil Placement w/Shrink						
116+75.00	23	6	18	2	6	30	13	30	39	-33	0	0	18	13	18	0						
117+00.00	31	15	14	9	15	10	0	10	13	3	0	0	14	9	13	1						
117+25.00	59	34	13	23	34	2		2	2	32	0	0	13	8	12	1						
117+50.00	105	60	7	45	60	1		1	1	59	0	0	7	5	7	0						
117+75.00																						
TR_GLSTO42ND																						
Totals:	5,277	4,743	1,221	286	4,743	2,485	112	2,485	3,235	1,509	0	0	1,221	734	1,031	193						

PROJECT NO: TAP-U-1187(793)--81-57
PROJECT DATE: 9/15/2026
CAD DATE: 6/15/2026 12:36:26 PM
CAD FILE: c:\pw_workdir\pw_ielcjcld0630801\0022C005.02_S-Sheets.xlsm

DESIGNED BY: J. MEYER
CHECKED BY: C. CARPER
DRAWN BY: J. MEYER

NO	DATE	BY	REVISION DESCRIPTION

Foth

EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EARTHWORK

SHEET NO.
T.2
TAP-U-1187(793)--81-57

Refer to Standard Road Plans EW-101 and EW-102.

TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS

107-28
04-21-15

Station	Cut					Fill					Checks (EW-102)		Topsoil									
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]
	Total Cut Unadjusted Volume	Total Class 10 Unadjusted Volume	Topsoil Cut Volume	Template Pavement Removal Volume	Total Cut Adjusted	Total Fill Unadjusted Volume	Existing Topsoil Stripping Undercut (+ Fill)	Total Fill Adjusted	Total Fill Adjusted w/ Weighted Average 1.3 Shrink Factor	Total Cut Adjusted Minus Fill w/ Shrink	Approx. Fill Vol. Below 5' & Above 20' w/ Shrink	Approx. Fill Volume Below 3' w/ Shrink	Topsoil Stripping Undercut Volume	Topsoil Placement Undercut Volume	Topsoil Placement With 1.4 Shrink Factor	Topsoil Stripping Minus Topsoil Placement w/Shrink						
TR_42NDTORVR																						
200+50.00	72	42	7	29	42	1		1	2	41	0	0	7	7	10	-3						
200+75.00	51	33	12	16	33	5		5	7	26	0	0	12	13	18	-5						
201+00.00	24	18	18	1	18	8		8	10	8	0	0	18	18	25	-7						
201+25.00	19	10	20	2	10	8		8	11	0	0	0	20	22	30	-11						
201+50.00	17	7	20	2	7	9		9	12	-5	0	0	20	16	22	-2						
201+75.00	15	6	21	1	6	13		13	18	-12	0	0	21	10	15	7						
202+00.00	18	6	25	0	6	24		24	32	-26	0	0	25	14	20	5						
202+25.00	21	7	28	0	7	34		34	44	-37	0	0	28	17	24	4						
202+50.00	20	7	26	0	7	42		42	55	-48	0	0	26	18	25	1						
202+75.00	22	6	27	0	6	43	3	43	56	-50	0	0	27	18	26	1						
203+00.00	25	6	30	1	6	45	8	45	59	-53	0	0	30	18	25	4						
203+25.00	24	6	29	1	6	51	5	51	66	-60	0	0	29	18	25	4						
203+50.00	22	7	27	1	7	44	2	44	57	-50	0	0	27	17	24	3						
203+75.00	21	6	26	1	6	40	2	40	52	-45	0	0	26	17	24	2						
204+00.00	22	6	28	2	6	36	1	36	47	-41	0	0	28	17	25	3						
204+25.00	24	6	30	3	6	29		29	38	-32	0	0	30	19	26	4						
204+50.00	26	8	28	5	8	23		23	30	-21	0	0	28	20	28	0						
204+75.00	27	11	26	6	11	16		16	21	-10	0	0	26	21	29	-3						
205+00.00	26	14	26	6	14	10		10	13	1	0	0	26	21	30	-4						
205+25.00	27	18	26	6	18	6		6	8	10	0	0	26	22	30	-4						
205+50.00	28	20	26	6	20	4		4	6	15	0	0	26	22	30	-4						
205+75.00	28	19	26	7	19	3		3	4	16	0	0	26	19	27	-1						
206+00.00	31	20	26	8	20	4		4	5	15	0	0	26	18	26	0						
206+25.00	47	30	22	14	30	5		5	6	24	0	0	22	17	24	-2						
206+50.00	82	51	10	30	51	7		7	9	42	0	0	10	17	23	-13						
206+75.00	92	52	0	41	52	12		12	15	37	0	0	0	16	23	-23						
207+00.00	100	53	0	47	53	6		6	8	45	0	0	0	7	10	-10						
207+25.00	90	48	8	36	48	13	3	13	17	31	0	0	8	9	13	-5						
207+50.00	49	23	16	15	23	20	7	20	26	-3	0	0	16	16	22	-6						
207+75.00	39	17	17	10	17	13	7	13	18	0	0	0	17	13	18	-1						
208+00.00	40	18	18	8	18	17	10	17	23	-5	0	0	18	13	18	0						
208+25.00	41	17	18	8	17	25	13	25	32	-15	0	0	18	12	17	0						
208+50.00	32	12	18	5	12	32	13	32	42	-30	0	0	18	12	17	1						
208+75.00	24	7	18	2	7	40	13	40	52	-45	0	0	18	13	18	0						
209+00.00	25	6	19	2	6	48	15	48	63	-57	0	0	19	14	20	-1						
209+25.00	20	3	21	1	3	54	13	54	70	-67	0	0	21	16	22	-2						
209+50.00	17	0	23	0	0	63	10	63	82	-82	0	0	23	18	26	-3						
209+75.00	19	0	26	0	0	79	11	79	103	-103	0	0	26	21	29	-4						
210+00.00	21	1	28	0	1	96	12	96	125	-124	0	0	28	23	32	-5						
210+25.00	22	2	29	0	2	102	10	102	133	-131	0	0	29	24	34	-5						
210+50.00	22	2	30	0	2	98	10	98	128	-126	0	0	30	25	35	-5						
210+75.00	21	2	30	0	2	90	9	90	118	-116	0	0	30	25	35	-5						
211+00.00	21	2	30	0	2	88	9	88	115	-113	0	0	30	25	35	-5						
211+25.00	55	45	24	0	45	60		60	78	-33	0	0	24	17	23	1						
211+50.00	90	89	18	0	89	29		29	38	51	0	0	18	8	12	6						
211+75.00	95	95	17	0	95	33		33	43	52	0	0	17	8	12	6						
212+00.00	94	94	17	0	94	33		33	43	51	0	0	17	8	11	6						
212+25.00	94	93	17	0	93	34		34	44	49	0	0	17	8	11	6						
212+50.00	99	98	17	0	98	38		38	50	49	0	0	17	7	11	6						
212+75.00	104	104	17	0	104	43		43	55	48	0	0	17	7	10	6						
213+00.00	102	101	16	0	101	43		43	56	45	0	0	16	7	10	6						
213+25.00	105	105	16	0	105	47		47	62	43	0	0	16	7	10	7						
213+50.00	112	112	16	0	112	52		52	68	44	0	0	16	7	9	7						
213+75.00	105	105	15	0	105	47		47	61	43	0	0	15	6	9	7						
214+00.00	98	98	15	0	98	42		42	55	43	0	0	15	6	8	7						
214+25.00	100	100	15	0	100	42		42	55	45	0	0	15	6	8	7						
214+50.00	101	100	15	0	100	40		40	52	49	0	0	15	6	9	6						
214+75.00	93	93	15	0	93	32		32	42	51	0	0	15	6	8	6						
215+00.00	72	72	15	0	72	19		19	25	47	0	0	15	6	8	7						
215+25.00	37	37	13	0	37	5		5	7	30	0	0	13	5	7	6						
215+50.00	27	27	12	0	27	0		0	0	27	0	0	12	6	9	4						
215+75.00	35	35	14	0	35	0		0	0	35	0	0	14	8	12	3						
216+00.00	29	29	15	0	29	0		0	0	28	0	0	15	9	13	2						
216+25.00	19	17	10	2	17	0		0	0	17	0	0	10	6	8	2						
216+50.00																						
TR_42NDTORVR																						
Totals:																						

PROJECT NO:	TAP-U-1187(793)--81-57	DESIGNED BY:	J. MEYER
PROJECT DATE:	9/15/2026	CHECKED BY:	C. CARPER
CAD DATE:	6/15/2026 12:36:26 PM	DRAWN BY:	J. MEYER
CAD FILE:	c:\pw_workdir\pw_ie\cjcld0630801\0022C005.02_S-Sheets.xlsm		

NO	DATE	BY	REVISION DESCRIPTION

Foth

EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EARTHWORK

SHEET NO.
T.3
TAP-U-1187(793)--81-57

Refer to Standard Road Plans EW-101 and EW-102.

TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS

107-28
04-21-15

Station	Cut					Fill					Checks (EW-102)		Topsoil									
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]
	Total Cut Unadjusted Volume	Total Class 10 Unadjusted Volume	Topsoil Cut Volume	Template Pavement Removal Volume	Total Cut Adjusted	Total Fill Unadjusted Volume	Existing Topsoil Stripping Undercut (+ Fill)	Total Fill Adjusted	Total Fill Adjusted w/ Weighted Average 1.3 Shrink Factor	Total Cut Adjusted Minus Fill w/ Shrink	Approx. Fill Vol. Below 5' & Above 20' w/ Shrink	Approx. Fill Volume Below 3' w/ Shrink	Topsoil Stripping Undercut Volume	Topsoil Placement Undercut Volume	Topsoil Placement With 1.4 Shrink Factor	Topsoil Stripping Minus Topsoil Placement w/Shrink						
TR_CRSTOTWN																						
301+21.70	1	0	1	0	0	0		0	0	0	0	0	1	0	1	1						
301+25.00	8	6	11	0	6	2		2	3	3	0	0	11	6	8	3						
301+50.00	6	3	11	0	3	4		4	5	-3	0	0	11	6	9	2						
301+75.00	6	0	12	0	0	7	1	7	10	-10	0	0	12	7	10	2						
302+00.00	7	2	12	0	2	6		6	8	-6	0	0	12	8	11	1						
302+25.00	6	5	11	0	5	2		2	2	2	0	0	11	7	10	2						
302+50.00	6	5	11	0	5	1		1	1	4	0	0	11	6	9	2						
302+75.00	5	4	11	0	4	1		1	1	3	0	0	11	6	9	2						
303+00.00	4	3	11	0	3	1		1	2	2	0	0	11	6	9	2						
303+25.00	5	3	11	0	3	2		2	3	-1	0	0	11	7	9	2						
303+50.00	5	2	12	0	2	3		3	4	-3	0	0	12	8	11	1						
303+75.00	5	2	14	0	2	3		3	4	-2	0	0	14	10	14	0						
304+00.00	6	3	14	0	3	3		3	4	0	0	0	14	11	15	-1						
304+25.00	5	3	13	0	3	3		3	3	0	0	0	13	9	13	0						
304+50.00	8	5	13	0	5	4		4	5	0	0	0	13	9	12	1						
304+75.00	11	7	13	0	7	7		7	9	-3	0	0	13	9	12	1						
305+00.00	10	6	13	0	6	7		7	10	-4	0	0	13	8	11	2						
305+25.00	9	7	12	0	7	4		4	5	2	0	0	12	7	10	2						
305+50.00	8	7	11	0	7	1		1	2	6	0	0	11	6	8	3						
305+75.00	8	7	10	0	7	0		0	0	7	0	0	10	5	7	4						
306+00.00	6	5	10	0	5	0		0	1	5	0	0	10	4	6	4						
306+25.00	5	4	10	0	4	1		1	1	3	0	0	10	4	6	4						
306+50.00	5	5	10	0	5	0		0	1	5	0	0	10	4	6	4						
306+75.00	4	4	7	0	4	0		0	0	4	0	0	7	3	5	2						
306+93.30																						
TR_CRSTOTWN Totals:	149	98	266	0	98	63	1	63	84	15	0	0	266	157	221	46						
Summary:																						
TR_GLSTO42ND	5,277	4,743	1,221	286	4,743	2,485	112	2,485	3,235	1,509	0	0	1,221	734	1,031	193						
TR_42NDTORVR	3,100	2,288	1,267	323	2,288	2,049	188	2,049	2,667	-380	0	0	1,267	891	1,251	17						
TR_CRSTOTWN	149	98	266	0	98	63	1	63	84	15	0	0	266	157	221	46						
Project Totals:	8,526	7,129	2,754	609	7,129	4,597	301	4,597	5,986	1,144	0	0	2,754	1,782	2,503	256						

PROJECT NO: TAP-U-1187(793)--81-57
PROJECT DATE: 9/15/2026
CAD DATE: 6/15/2026 12:36:27 PM
CAD FILE: c:\pw_workdir\pw_ie\cjcld0630801\0022C005.02_S-Sheets.xlsm

DESIGNED BY: J. MEYER
CHECKED BY: C. CARPER
DRAWN BY: J. MEYER

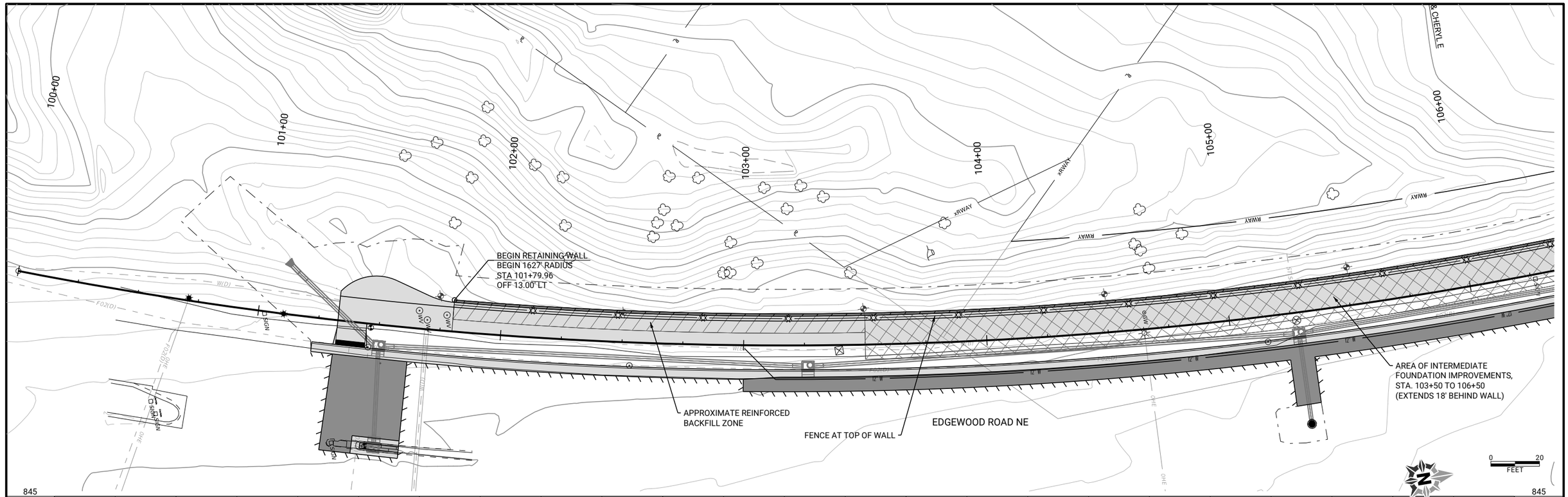
NO	DATE	BY	REVISION DESCRIPTION

Foth

EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EARTHWORK

SHEET NO.
T.4
TAP-U-1187(793)--81-57



CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
LETTING DATE: 9/15/2026 CAD DATE: 6/16/2026 5:22:13 AM
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NO	DATE	BY	REVISION DESCRIPTION

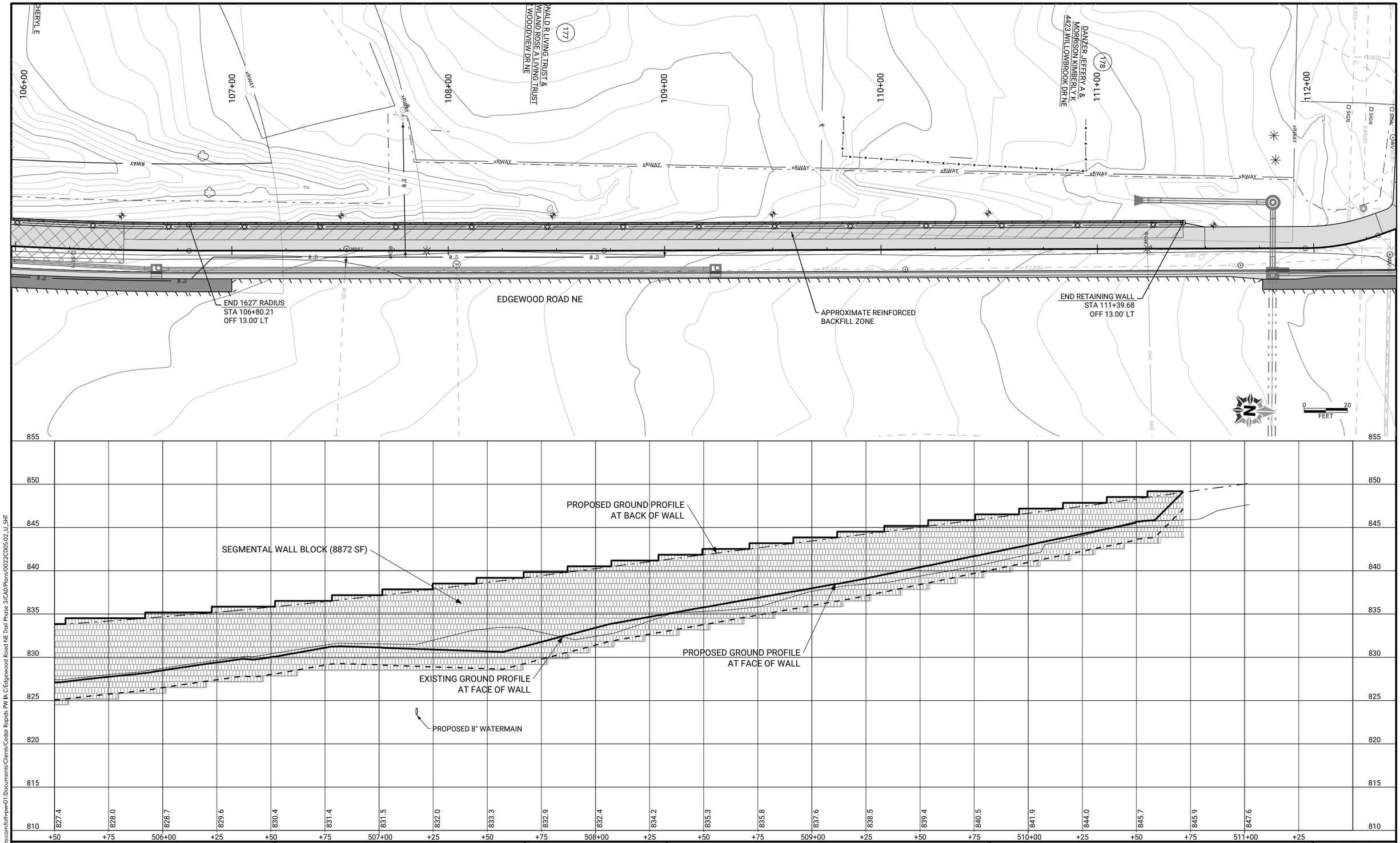
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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
RETAINING WALL

SHEET NO.
U.1
TAP-U-1187(793)--8I-57

pw://foth-pw.bentley.com:foth-pw-01\Documents\Clients\Cedar Rapids PW IA C\Edgewood Road NE Trail Phase 3\CAD\Plans\0022C005.02_U_SHT



CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
LETTING DATE: 9/15/2026 CAD DATE: 6/16/2026 5:26:55 AM
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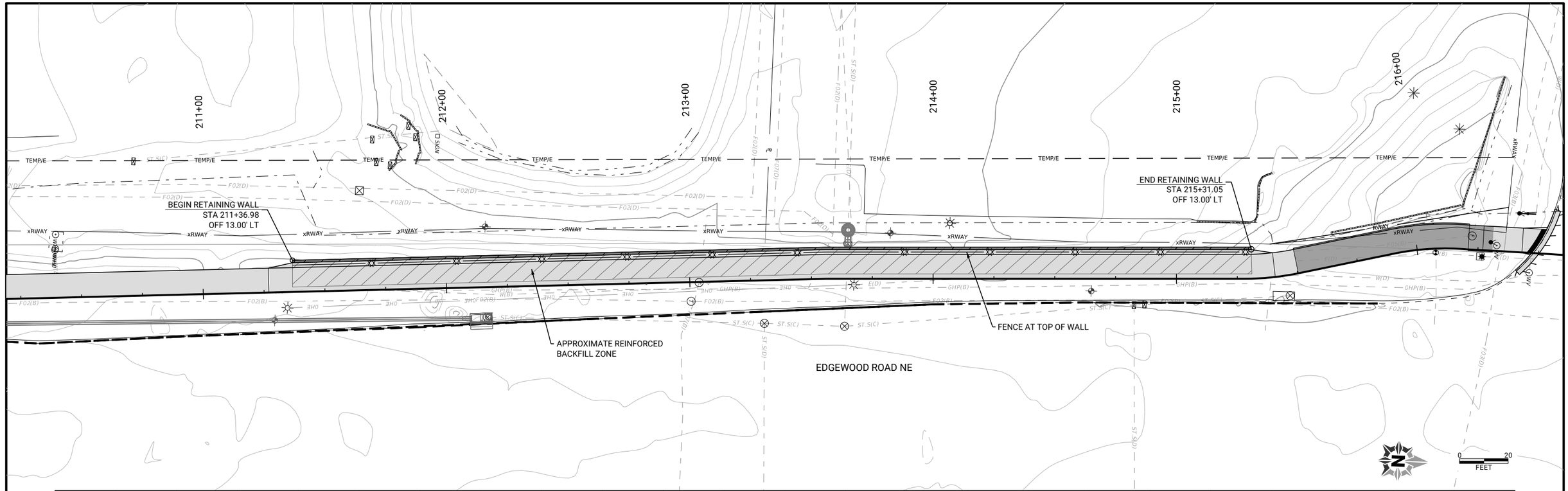
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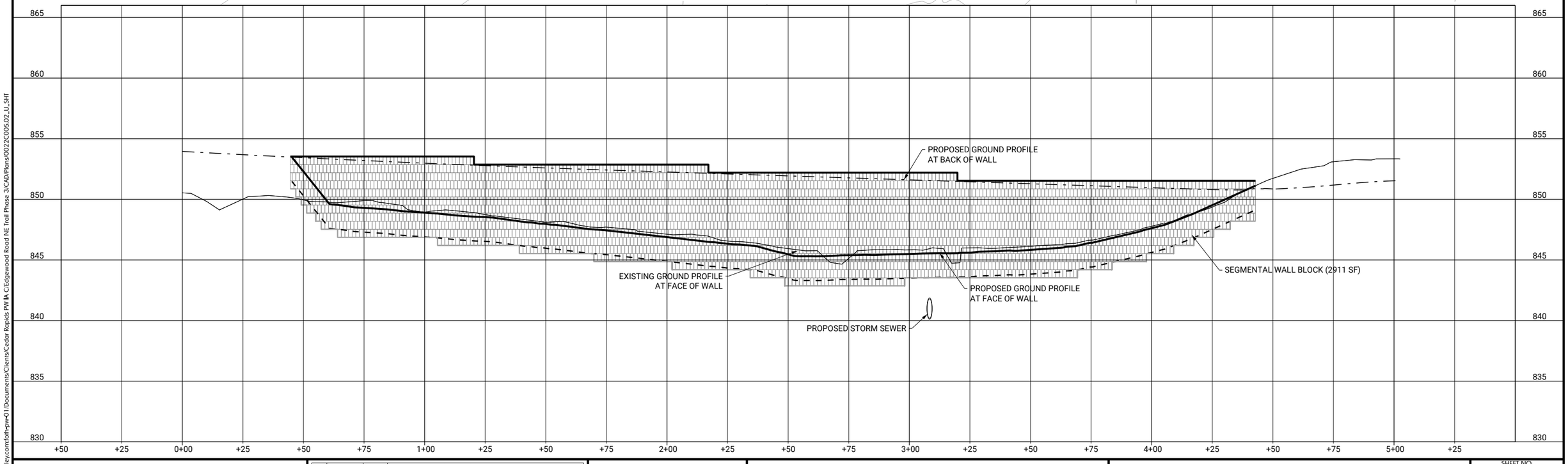
EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
RETAINING WALL

SHEET NO.
U.2
TAP-U-1187(793)--8I-57

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CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
LETTING DATE: 9/15/2026 CAD DATE: 6/16/2026 5:36:39 AM
CAD FILE: c:\pw_workdir\pw_ie\cjc\d0579164\0022C005.02_U_SHT.dgn

NO	DATE	BY	REVISION DESCRIPTION

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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
RETAINING WALL

SHEET NO.
U.3
TAP-U-1187(793)--8I-57

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213+00
214+00
215+00
216+00
217+00
218+00

SCRAPPER LLC
35 EDGEWOOD RD NE
162

TEMP/E
xRWAY
RWAY
SIGN
SIGN

START COMBO TRAIL AND RETAINING WALL
STA 215+50.20
OFF 10.50' LT

END COMBO TRAIL AND RETAINING WALL
STA 216+21.07
OFF 10.49' LT

START COMBO TRAIL AND RETAINING WALL
STA 216+21.01
OFF 0.50' RT

END COMBO TRAIL AND RETAINING WALL
STA 216+31.01
OFF 0.50' RT

0 20
FEET

865 860 855 850 845 840 835 830 825 820

VPI 215+50.23
ELV 851.42
VPI 215+65.23
ELV 853.18
VPI 216+07.03
ELV 853.73
VPI 216+21.03
ELV 852.13

EXISTING GROUND
AT GRADING LIMIT
0.5'
TOP OF WALL
2.0'
0.5'
TOP OF SIDEWALK
BOTTOM OF SIDEWALK/WALL

850.6 851.5 852.8 853.6 853.5 852.6 850.3 850.6 851.0

+50 +25 -2+00 +75 +50 +25 -1+00 +75 +50 +25 0+00 +25 +50 +75 1+00 +25 +50 +75 2+00 +25 +50 +75 3+00 +25

CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
LETTING DATE: 9/15/2026 CAD DATE: 6/16/2026 5:44:21 AM
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NO	DATE	BY	REVISION DESCRIPTION

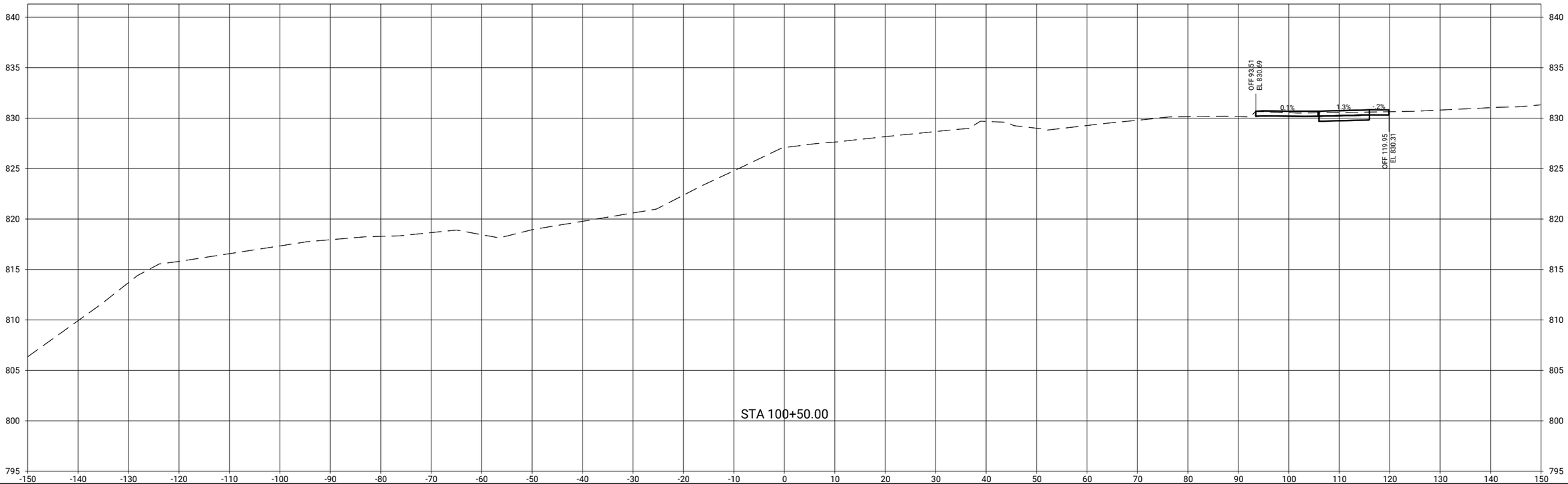
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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
RETAINING WALL

SHEET NO.
U.4
TAP-U-1187(793)--8I-57

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pw://foth-pw.bentley.com:foth-pw-01/Documents/Clients/Cedar Rapids PW IA C/Edgewood Road NE Trail Phase 3/CAD/Plans/0022C005.02_W_SHT

CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 3:07:20 PM
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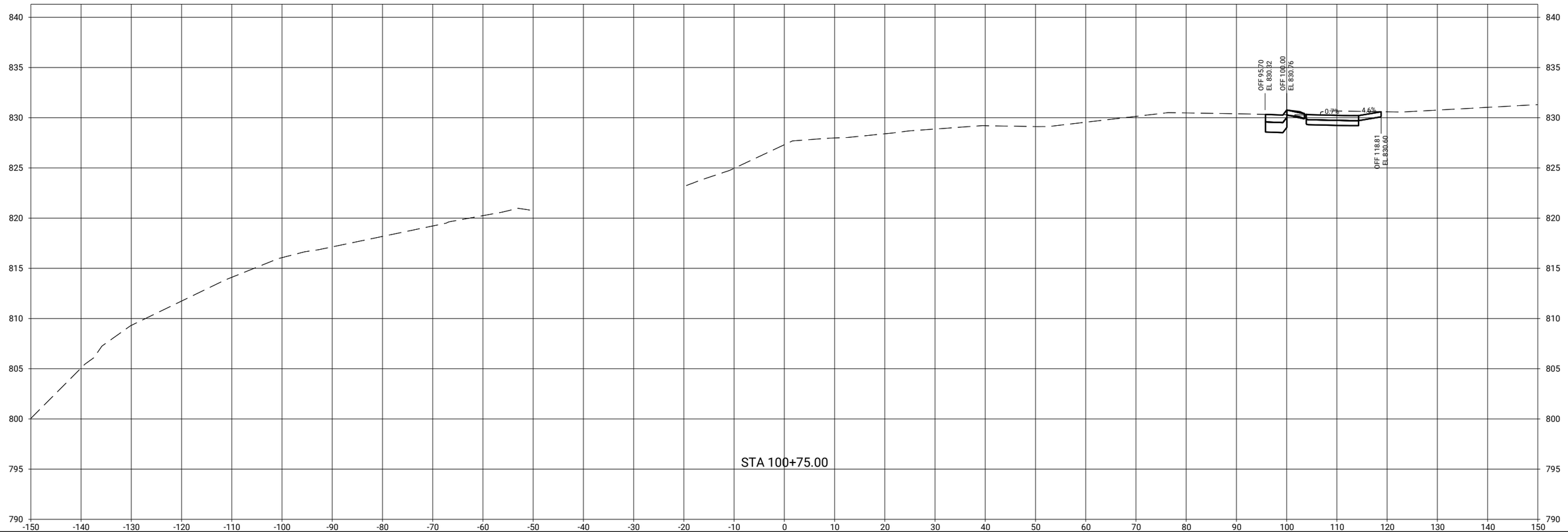
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Foth

EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
CROSS SECTIONS

SHEET NO.
W.1
TAP-U-1187(793)--8I-57



pw://foth-pw.bentley.com/foth-pw-01/Documents/Clients/Cedar Rapids PW IA C/Edgewood Road NE Trail Phase 3/CAD/Plans/0022C005.02_W_SHT

CLIENT PROJECT NO:	TAP-U-1187(793)--8I-57	FOTH PROJECT NO:	0022C005.02
DESIGNED BY:	K. WOLLNER	CHECKED BY:	C. CARPER
DRAWN BY:	K. WOLLNER		
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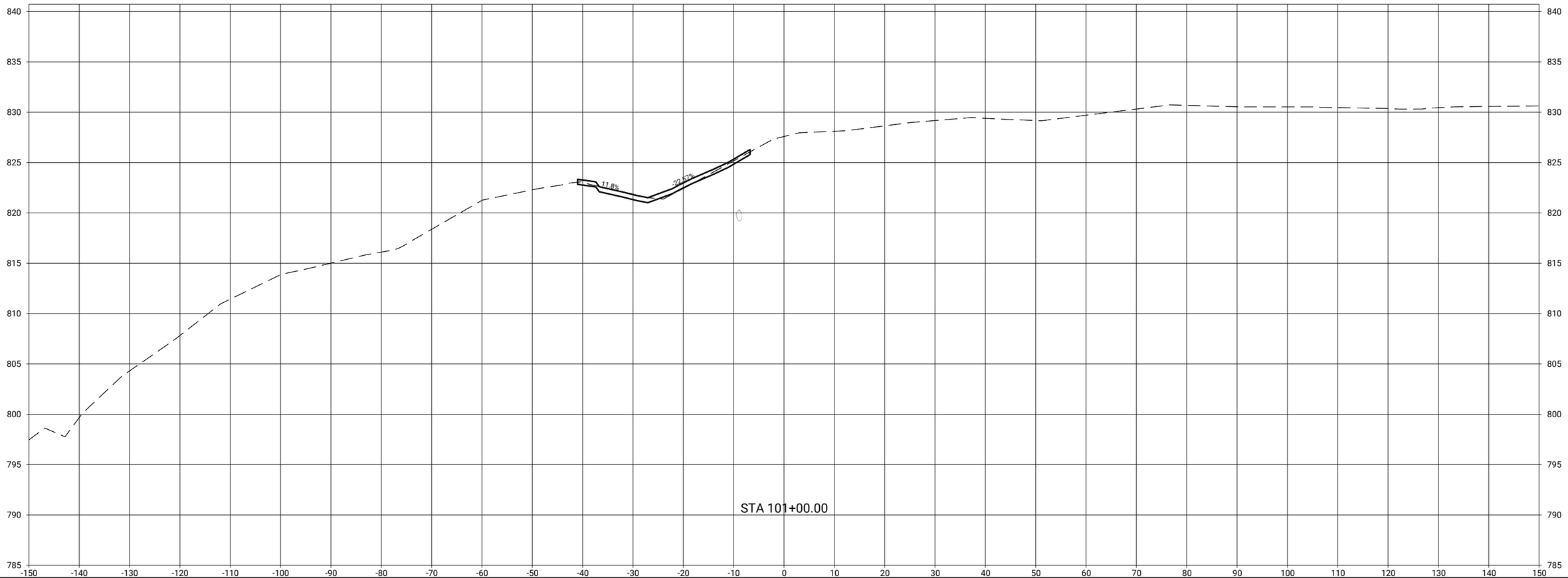
NO	DATE	BY	REVISION DESCRIPTION

Foth

EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
CROSS SECTIONS

SHEET NO.
W.2
TAP-U-1187(793)--8I-57



CLIENT PROJECT NO:	TAP-U-1187(793)--8I-57	FOTH PROJECT NO:	0022C005.02
DESIGNED BY:	K. WOLLNER	CHECKED BY:	C. CARPER
DRAWN BY:	K. WOLLNER		
LETTING DATE:	9/15/2026	CAD DATE:	6/15/2026 3:07:31 PM
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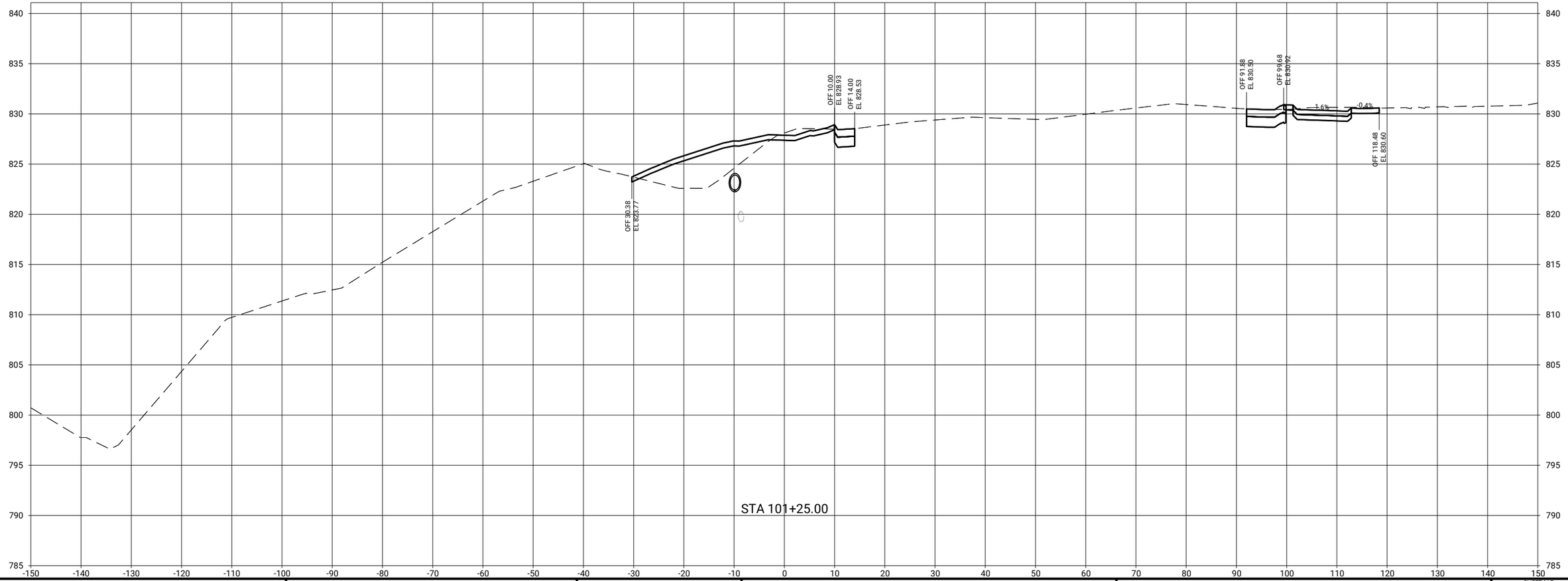
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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
CROSS SECTIONS

SHEET NO.
W.3
TAP-U-1187(793)--8I-57

pw://foth-pw.bentley.com:foth-pw-01/Documents/Clients/Cedar Rapids PW IA C/Edgewood Road NE Trail Phase 3/CAD/Plans/0022C005.02_W_SHT



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CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
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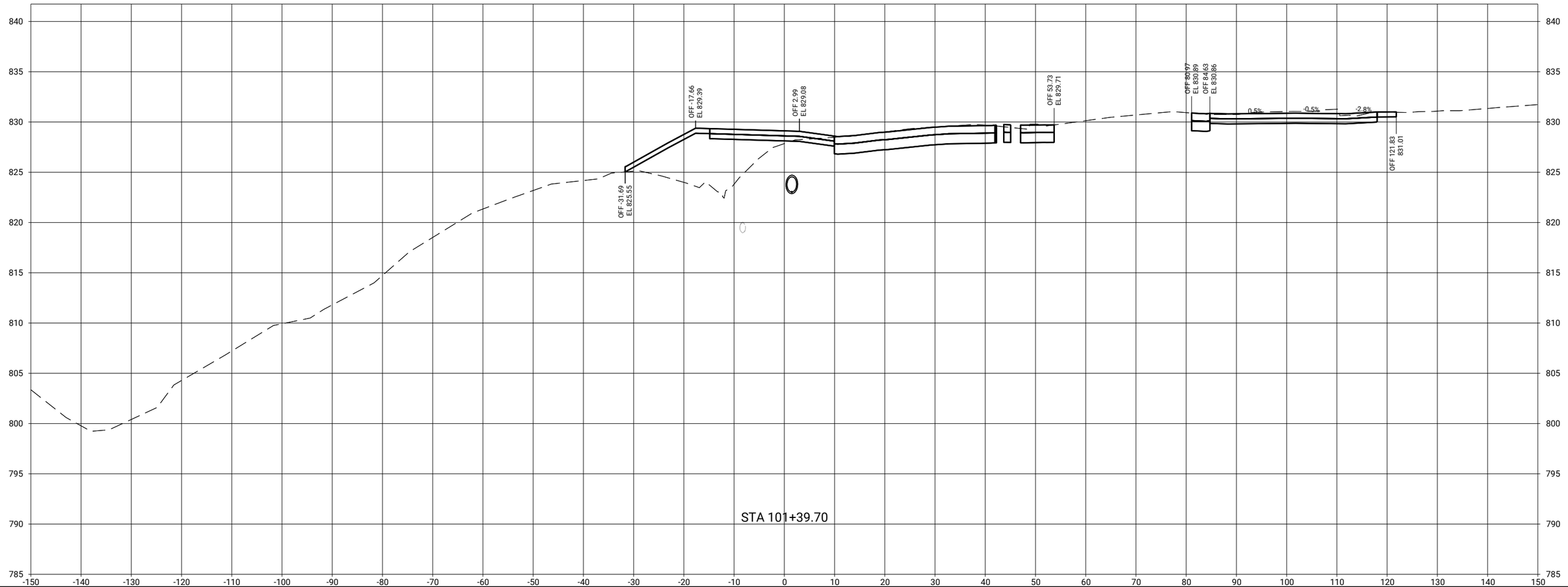
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Foth

EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
CROSS SECTIONS

SHEET NO.
W.4
TAP-U-1187(793)--8I-57



CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
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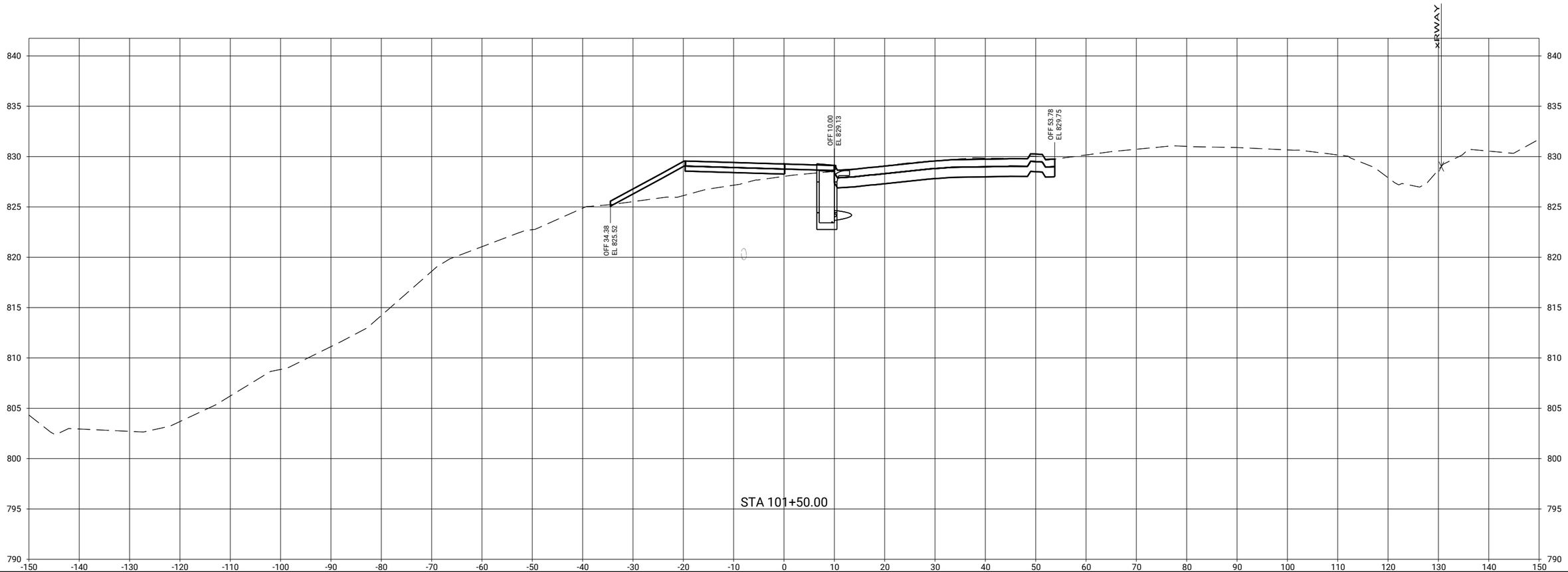
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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
CROSS SECTIONS

SHEET NO.
W.5
TAP-U-1187(793)--8I-57

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CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 3:07:34 PM
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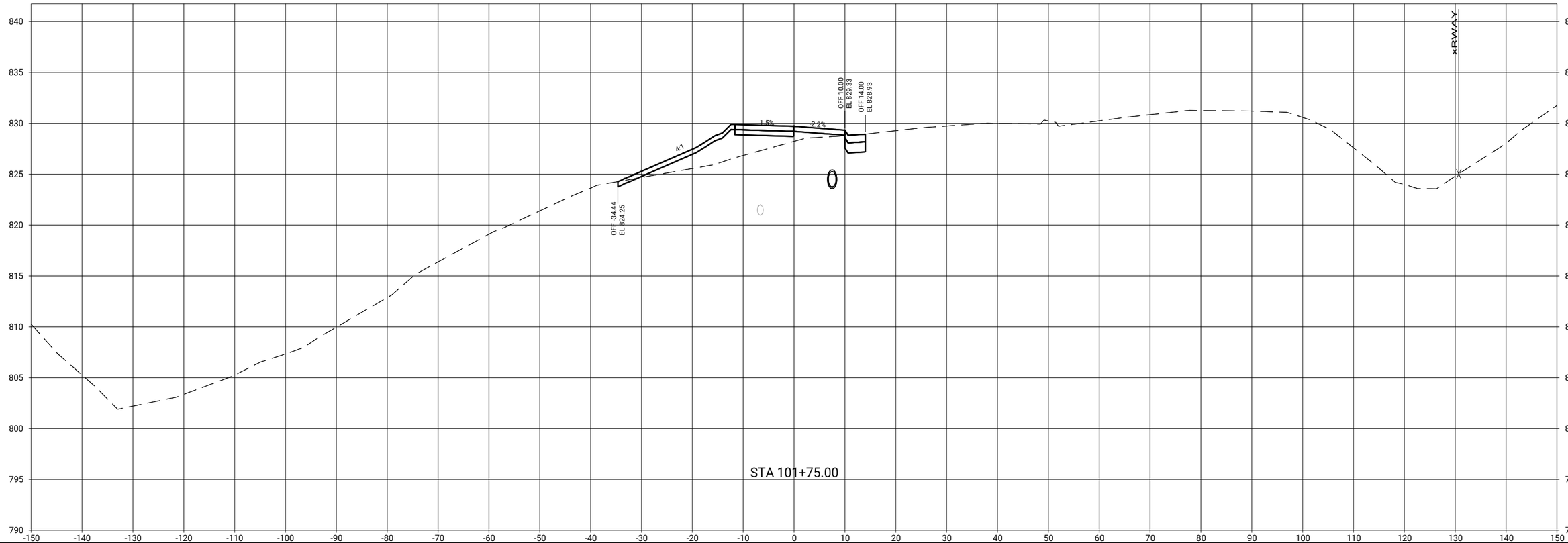
NO	DATE	BY	REVISION DESCRIPTION

Foth

EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
CROSS SECTIONS

SHEET NO.
W.6
TAP-U-1187(793)--8I-57



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CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 3:07:36 PM
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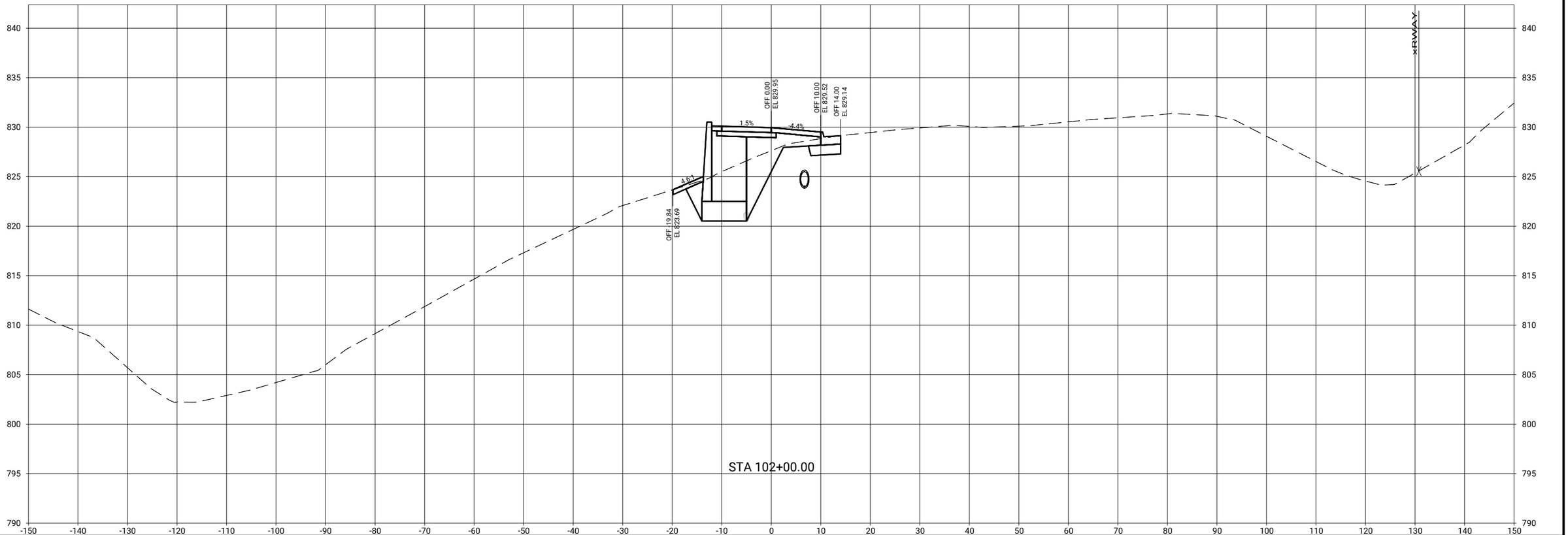
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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE

CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
CROSS SECTIONS

SHEET NO.
W.7
TAP-U-1187(793)--8I-57



CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 3:07:38 PM
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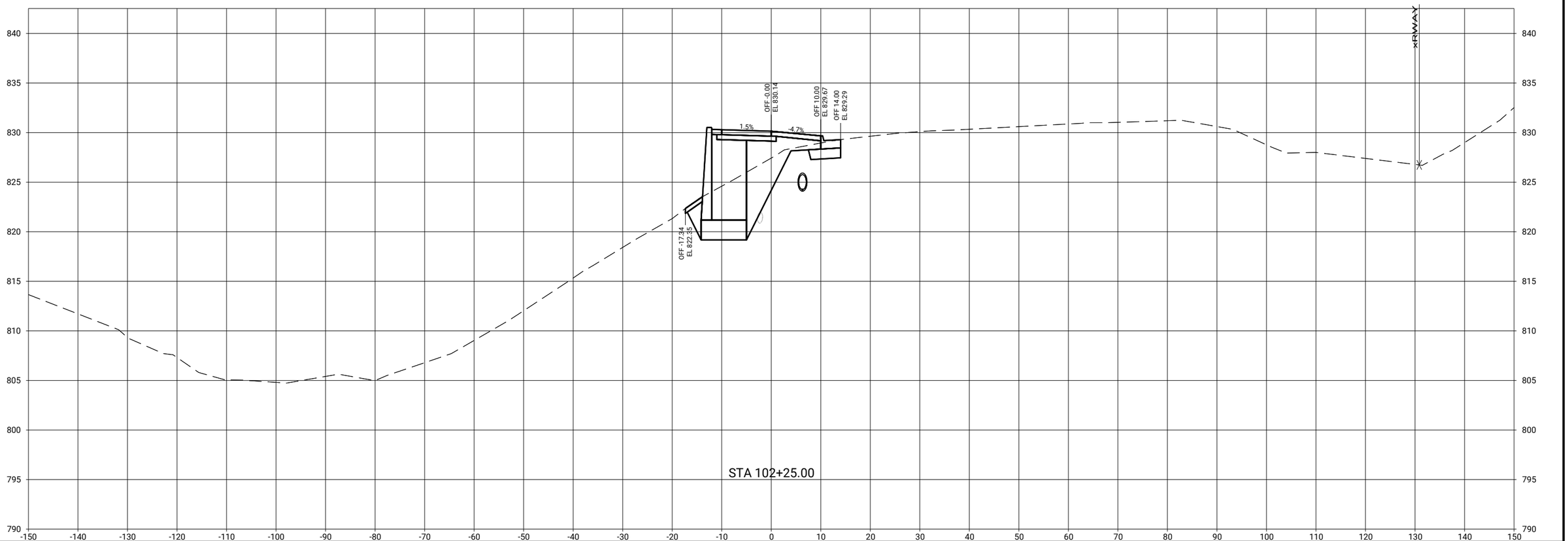
Foth

EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
CROSS SECTIONS

SHEET NO.
W.8
TAP-U-1187(793)--8I-57

pw://foth-pw.bentley.com:foth-pw-01/Documents/Clients/Cedar Rapids PW IA CI/Edgewood Road NE Trail Phase 3/CADPlans/0022C005.02_W_SHT



CLIENT PROJECT NO:	TAP-U-1187(793)--8I-57	FOTH PROJECT NO:	0022C005.02
DESIGNED BY:	K. WOLLNER	CHECKED BY:	C. CARPER
DRAWN BY:	K. WOLLNER		
LETTING DATE:	9/15/2026	CAD DATE:	6/15/2026 3:07:39 PM
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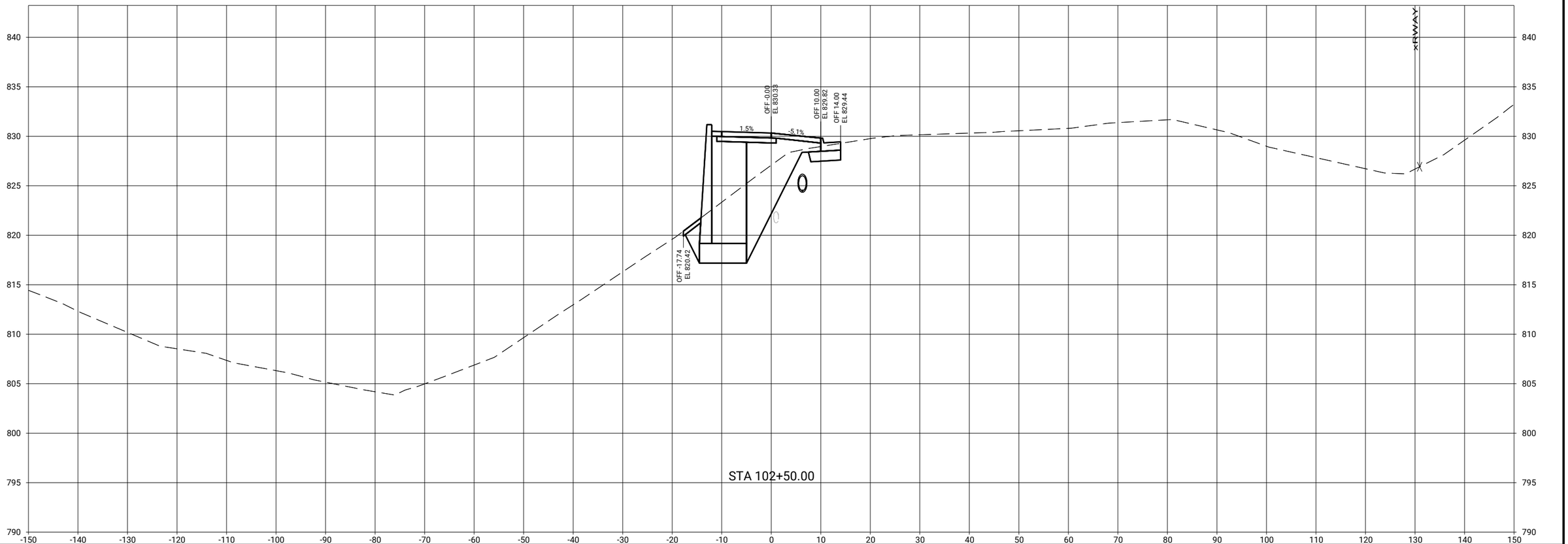
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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
CROSS SECTIONS

SHEET NO.
W.9
TAP-U-1187(793)--8I-57

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CLIENT PROJECT NO:	TAP-U-1187(793)--8I-57	FOTH PROJECT NO:	0022C005.02
DESIGNED BY:	K. WOLLNER	CHECKED BY:	C. CARPER
DRAWN BY:	K. WOLLNER		
LETTING DATE:	9/15/2026	CAD DATE:	6/15/2026 3:07:40 PM
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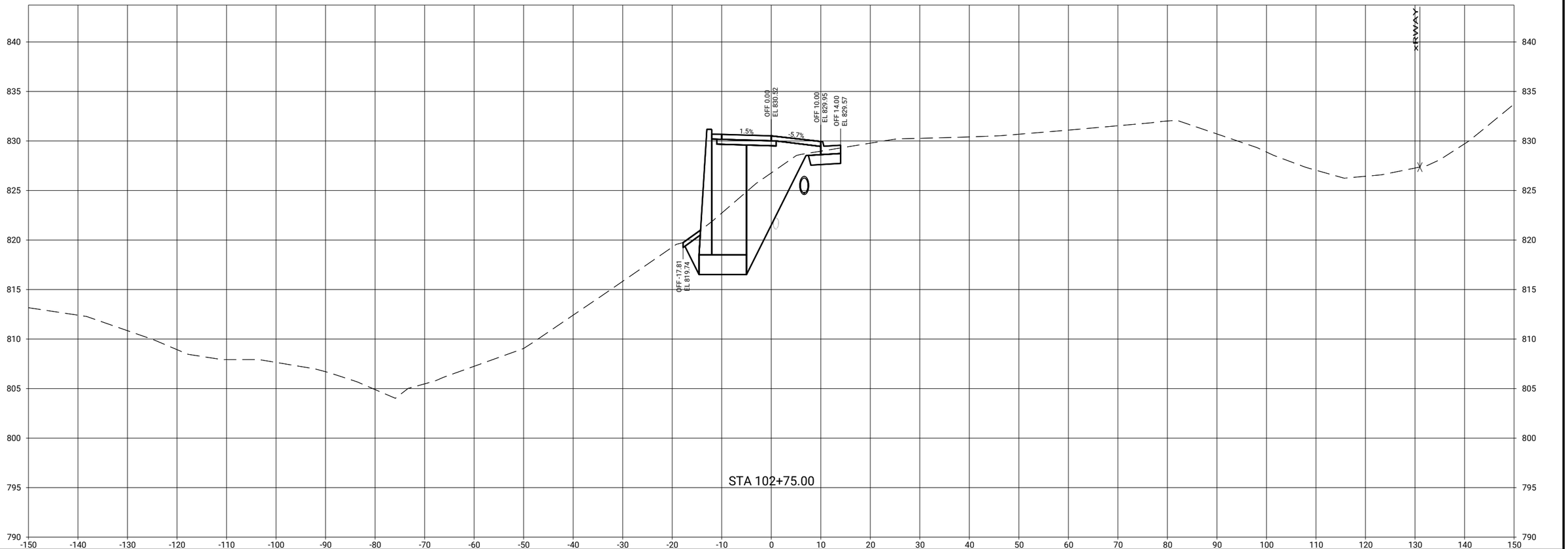
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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
CROSS SECTIONS

SHEET NO.
W.10
TAP-U-1187(793)--8I-57

pw://foth-pw.bentley.com:foth-pw-01:Documents/Clients/Cedar Rapids PW IA CI/Edgewood Road NE Trail Phase 3/CAD/Plans/0022C005.02_W_SHT



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CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 3:07:41 PM
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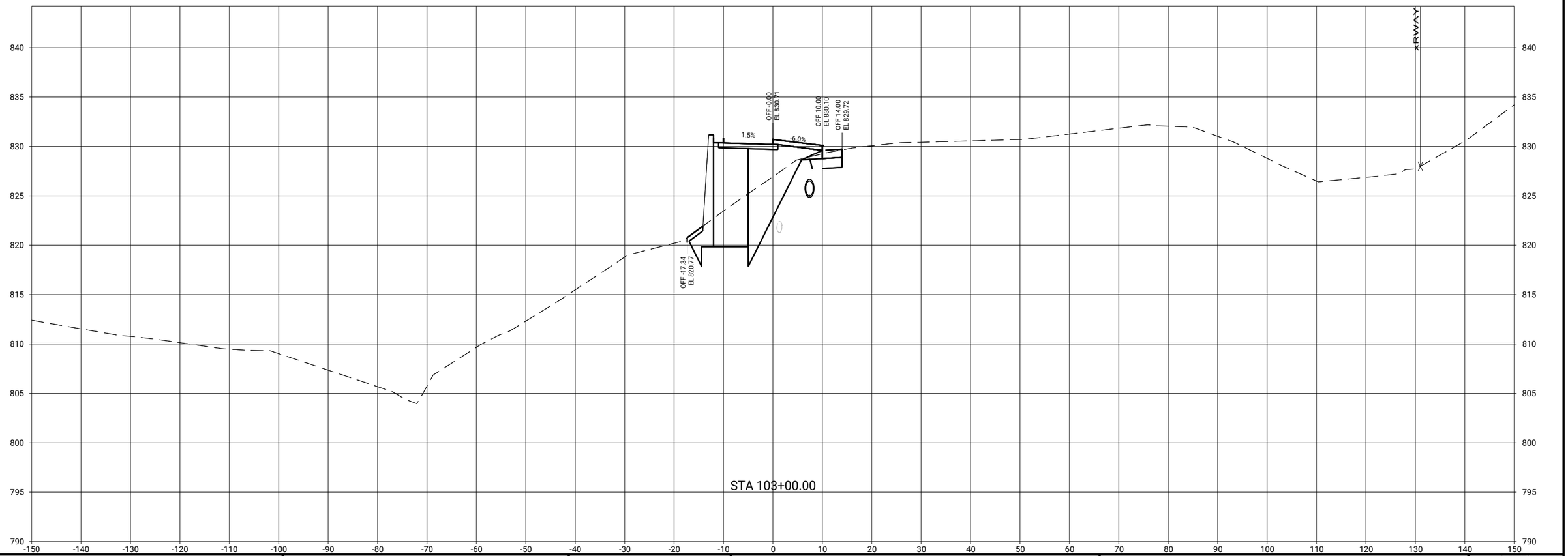
NO	DATE	BY	REVISION DESCRIPTION

Foth

EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
CROSS SECTIONS

SHEET NO.
W.11
TAP-U-1187(793)--8I-57



CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 3:07:43 PM
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NO	DATE	BY	REVISION DESCRIPTION

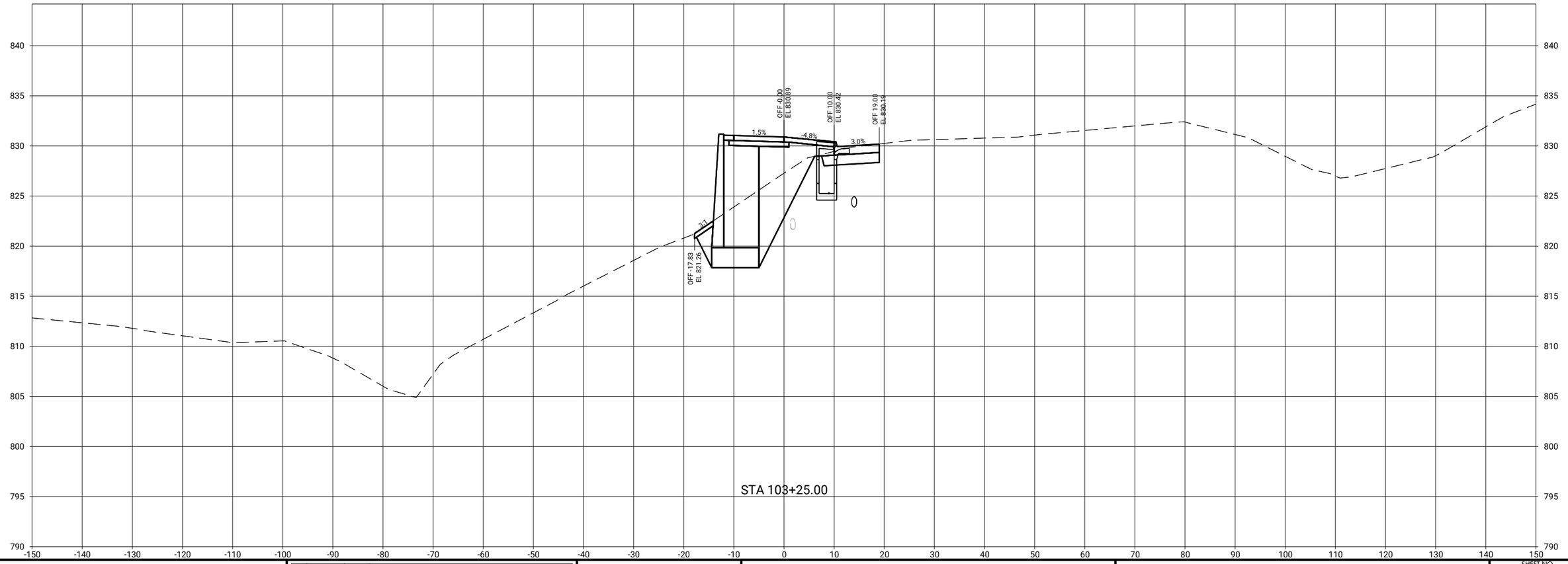
Foth

EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
CROSS SECTIONS

SHEET NO.
W.12
TAP-U-1187(793)--8I-57

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CLIENT PROJECT NO:	TAP-U-1187(793)--8I-57	FOTH PROJECT NO:	0022C005.02
DESIGNED BY:	K. WOLLNER	CHECKED BY:	C. CARPER
DRAWN BY:	K. WOLLNER		
LETTING DATE:	9/15/2026	CAD DATE:	6/15/2026 3:07:44 PM
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NO	DATE	BY	REVISION DESCRIPTION

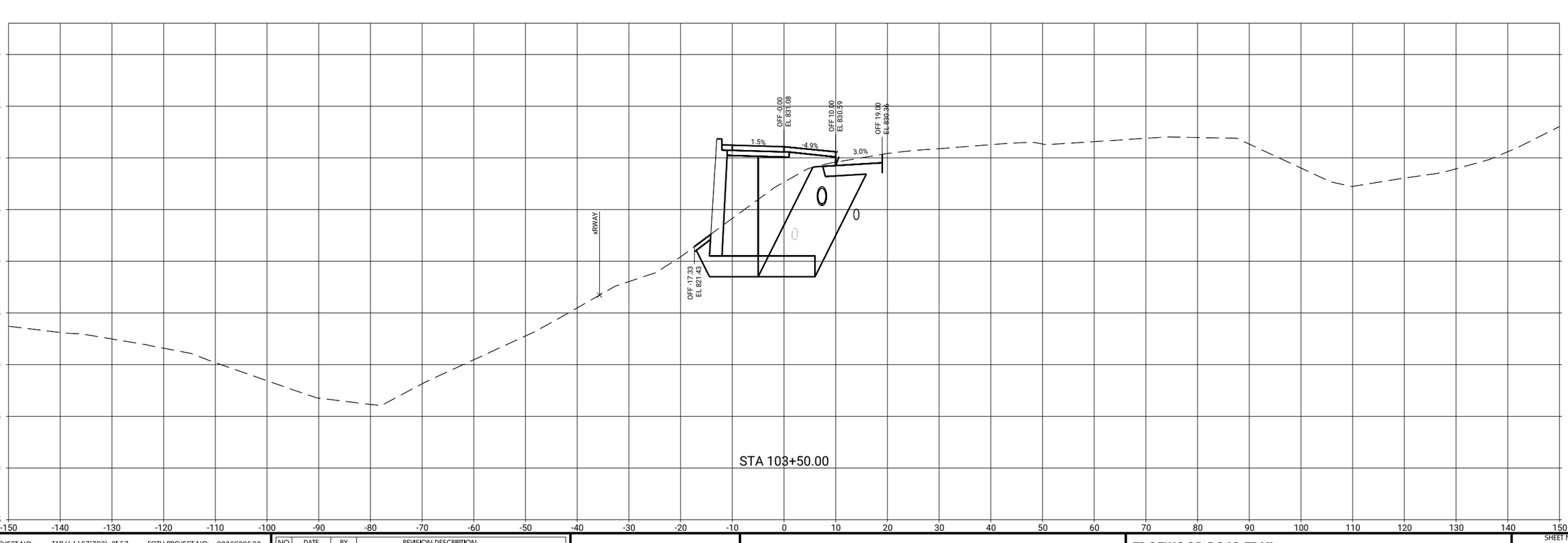
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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
CROSS SECTIONS

SHEET NO.
W.13
TAP-U-1187(793)--8I-57

pw://foth-pw.bentley.com:foth-pw-01/Documents/Clients/Cedar Rapids PW IA C/Edgewood Road NE Trail Phase 3/CAD/Plans/0022C005.02_W_SHT



CLIENT PROJECT NO:	TAP-U-1187(793)--8I-57	FOTH PROJECT NO:	0022C005.02
DESIGNED BY:	K. WOLLNER	CHECKED BY:	C. CARPER
DRAWN BY:	K. WOLLNER		
LETTING DATE:	9/15/2026	CAD DATE:	6/15/2026 3:07:45 PM
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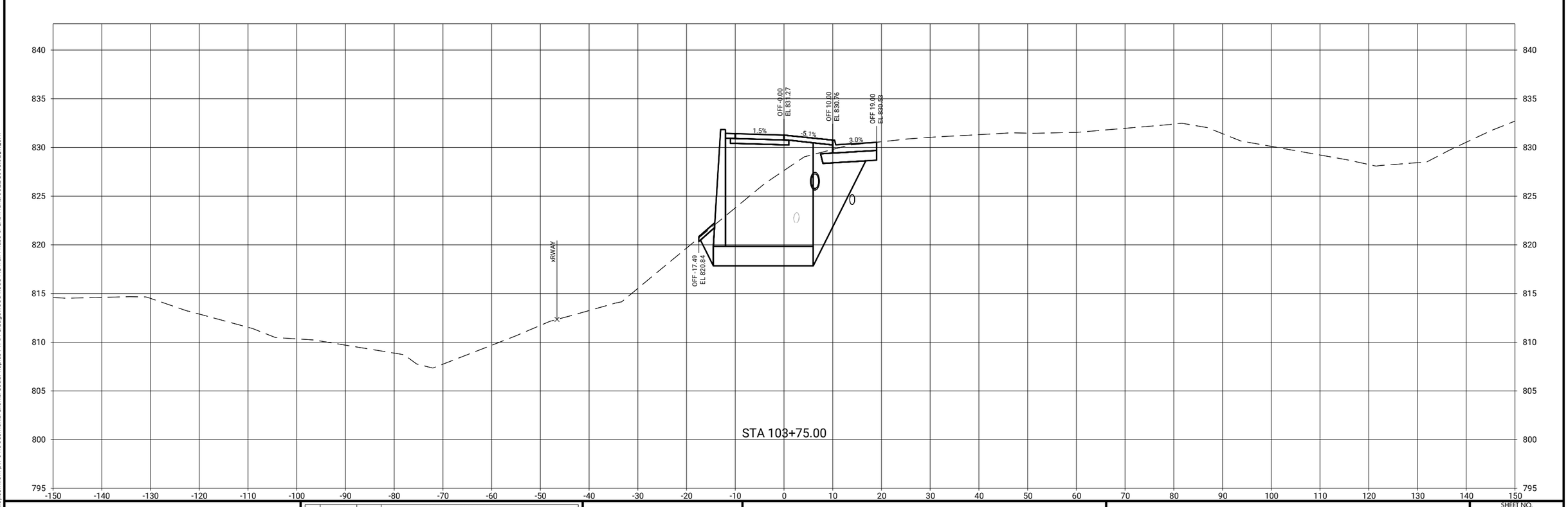
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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
CROSS SECTIONS

SHEET NO.
W.14
TAP-U-1187(793)--8I-57

pw://foth-pw.bentley.com:foth-pw-01:Documents/Clients/Cedar Rapids PW IA C/Edgewood Road NE Trail Phase 3/CAD/Plans/0022C005.02_W_SHT



CLIENT PROJECT NO:	TAP-U-1187(793)--8I-57	FOTH PROJECT NO:	0022C005.02
DESIGNED BY:	K. WOLLNER	CHECKED BY:	C. CARPER
DRAWN BY:	K. WOLLNER		
LETTING DATE:	9/15/2026	CAD DATE:	6/15/2026 3:07:46 PM
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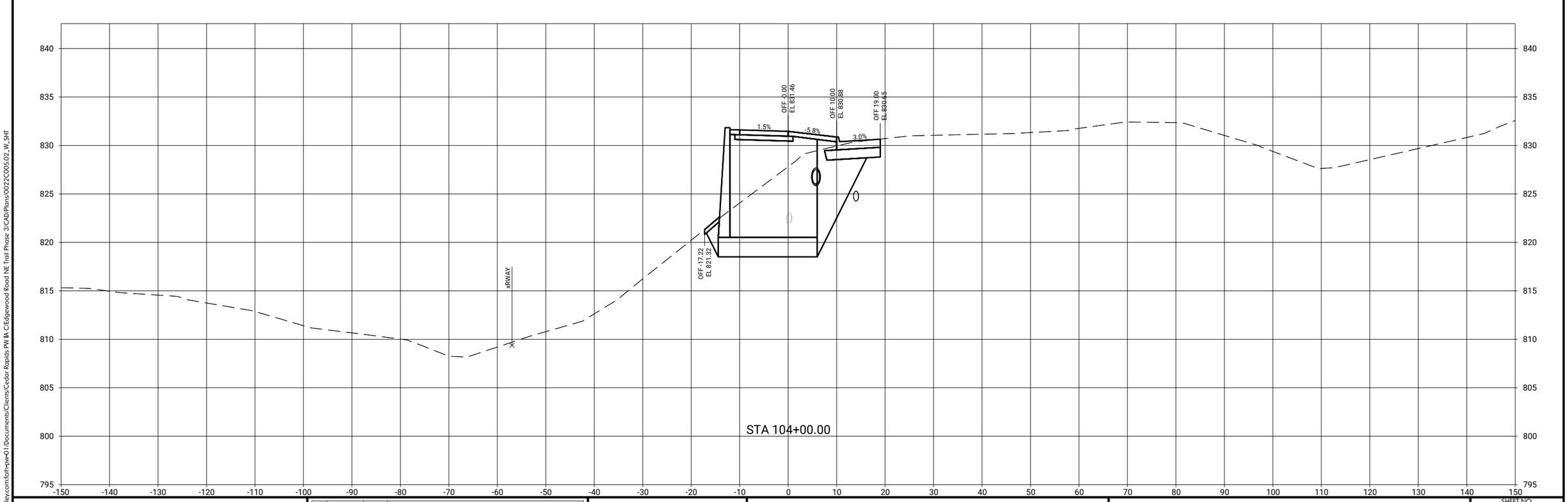
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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
CROSS SECTIONS

SHEET NO.
W.15
TAP-U-1187(793)--8I-57

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CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 3:07:48 PM
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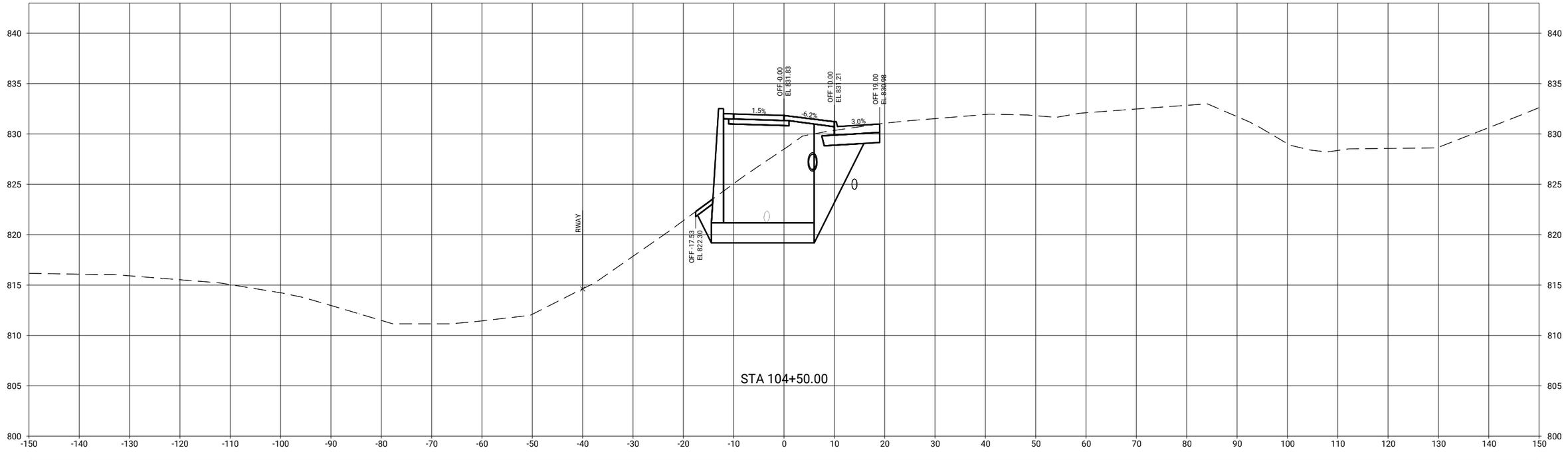
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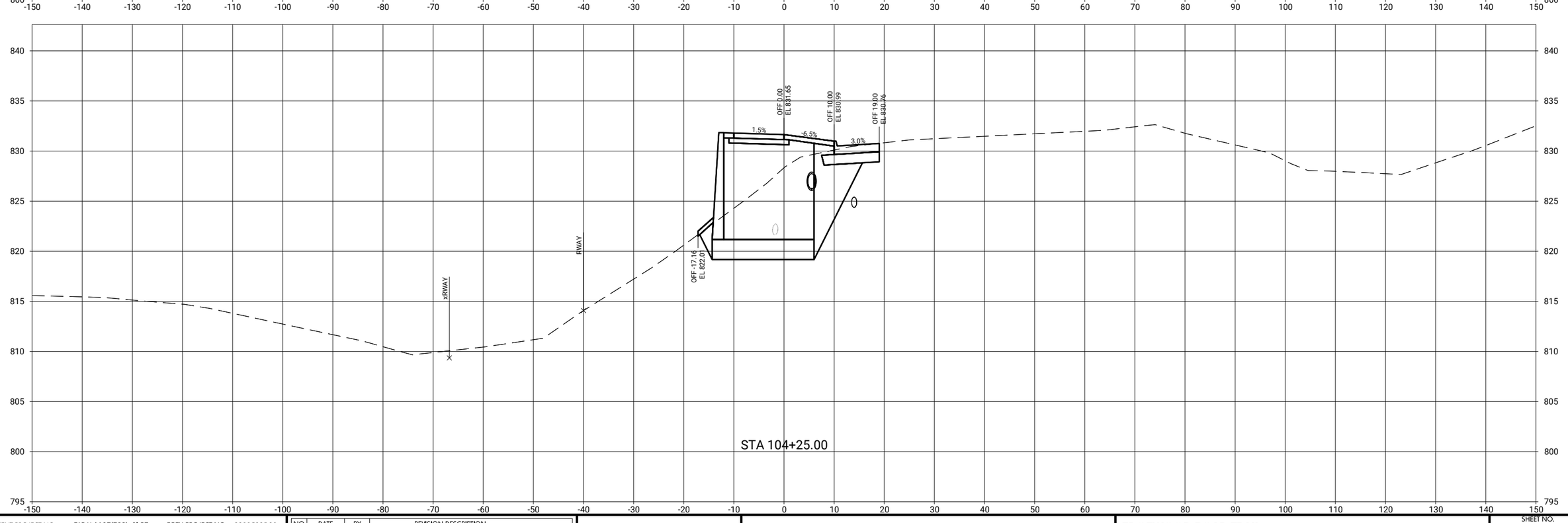
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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
CROSS SECTIONS

SHEET NO.
W.16
TAP-U-1187(793)--8I-57





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CLIENT PROJECT NO: TAP-U-1187(793)--81-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 3:07:49 PM
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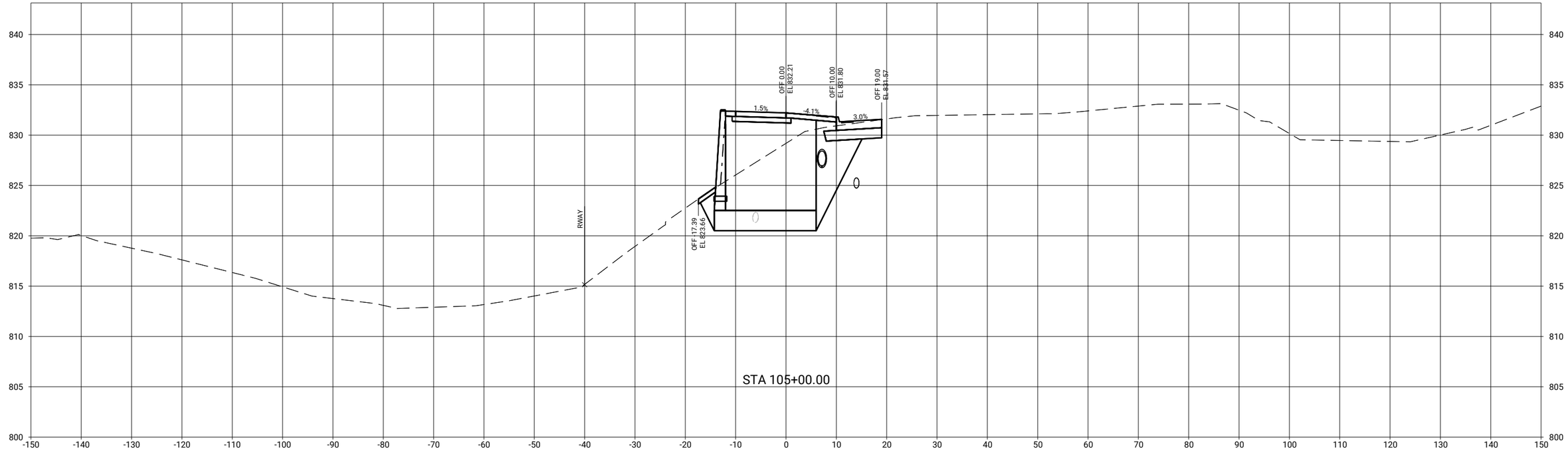
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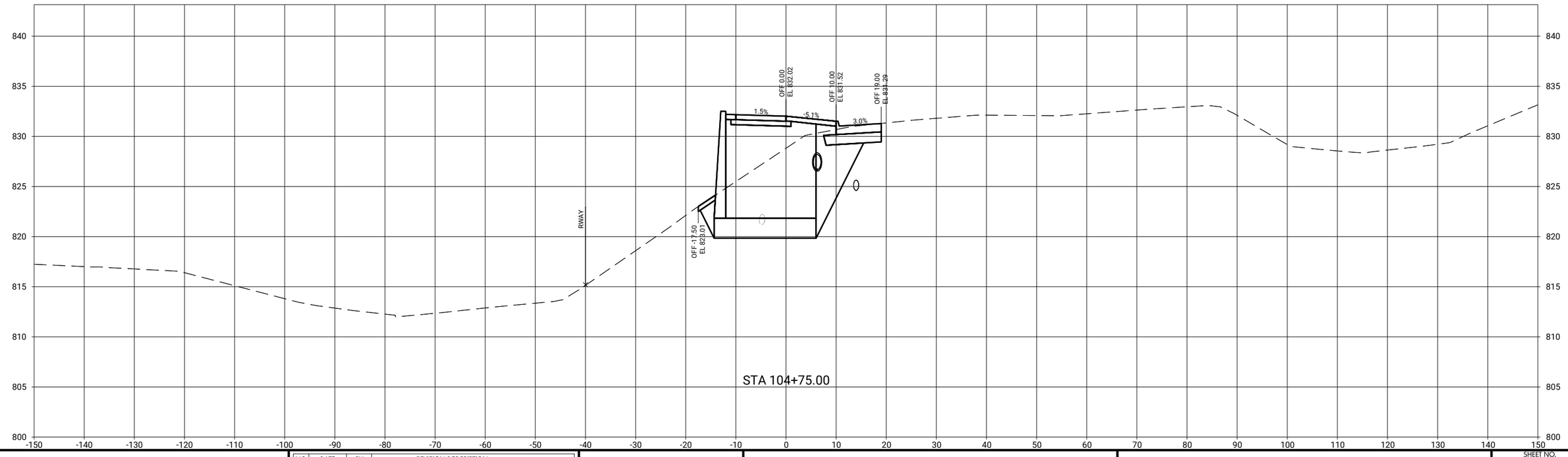
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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
CROSS SECTIONS

SHEET NO.
W.17
TAP-U-1187(793)--81-57





CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 3:07:51 PM
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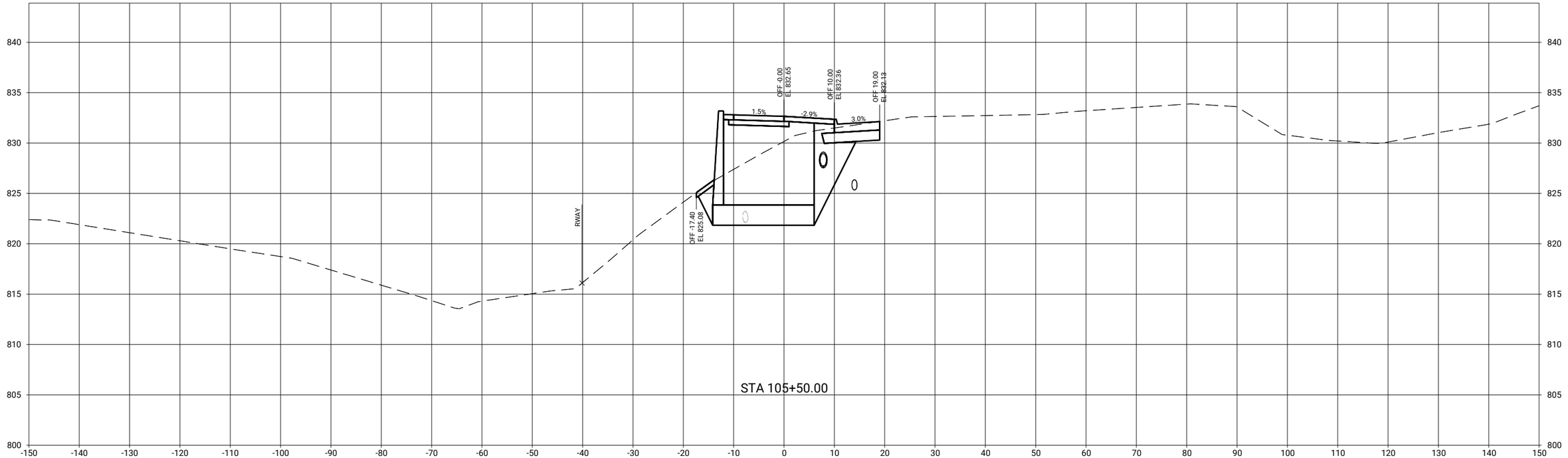
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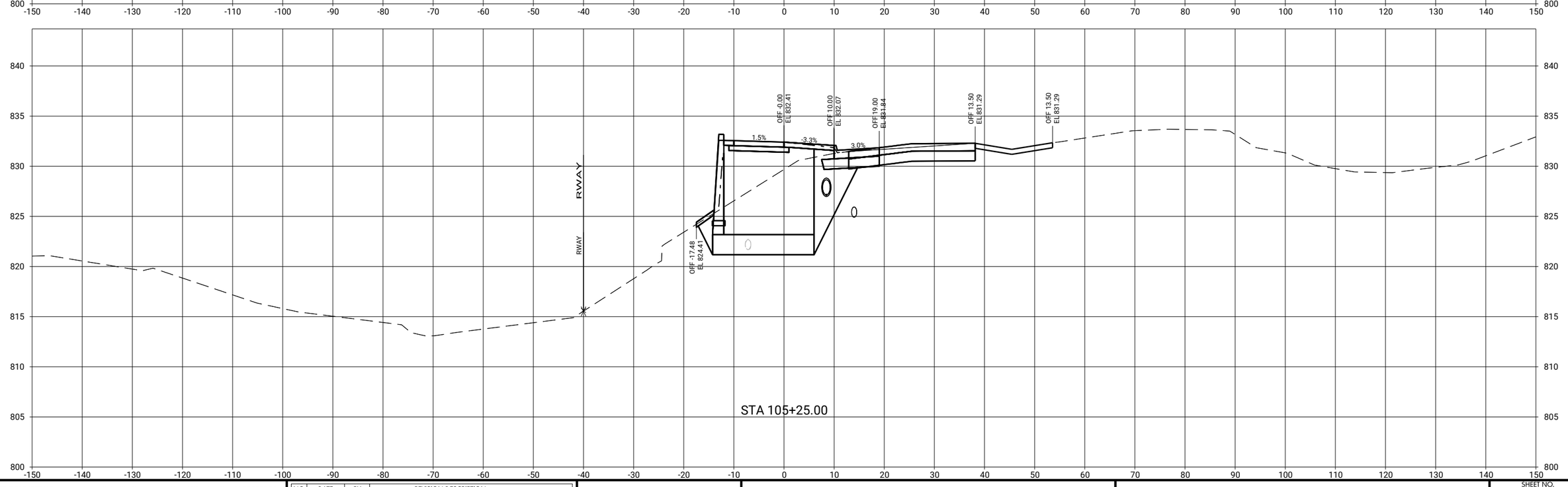
EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
CROSS SECTIONS

SHEET NO.
W.18
TAP-U-1187(793)--8I-57

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CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 3:07:52 PM
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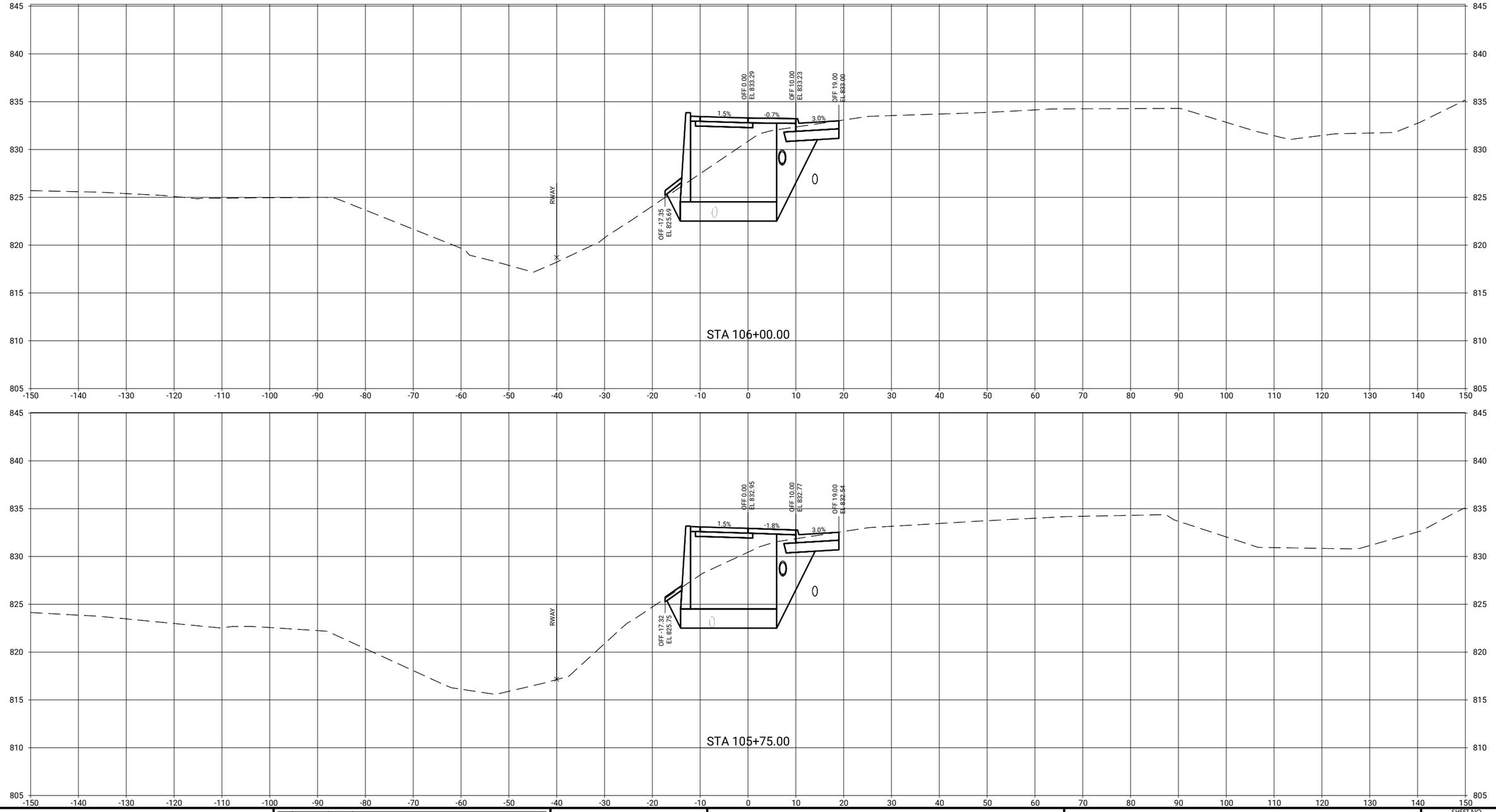
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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
CROSS SECTIONS

SHEET NO.
W.19
TAP-U-1187(793)--8I-57

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CLIENT PROJECT NO:	TAP-U-1187(793)--8I-57	FOTH PROJECT NO:	0022C005.02
DESIGNED BY:	K. WOLLNER	CHECKED BY:	C. CARPER
DRAWN BY:	K. WOLLNER		
LETTING DATE:	9/15/2026	CAD DATE:	6/15/2026 3:07:53 PM
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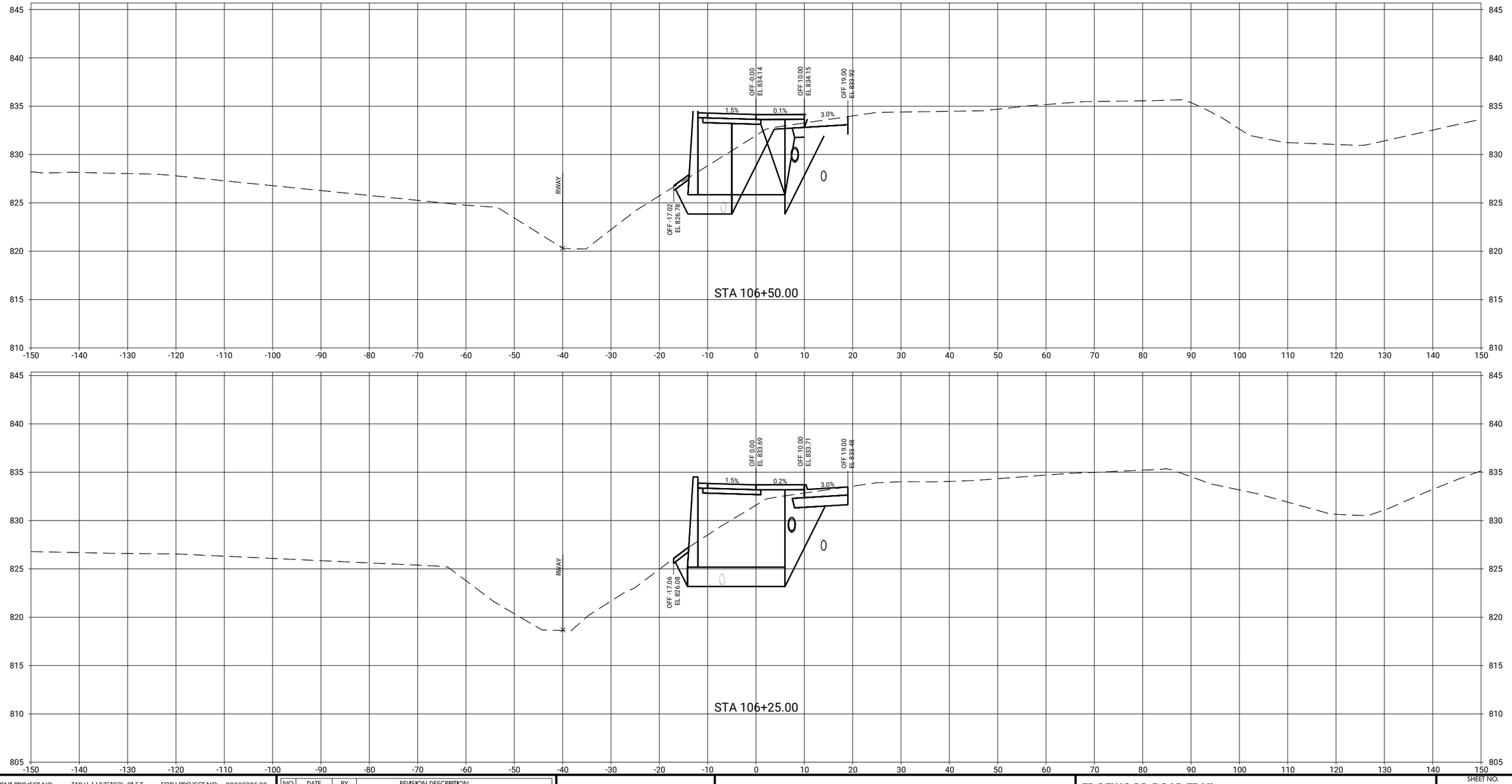
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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
CROSS SECTIONS

SHEET NO.
W.20
TAP-U-1187(793)--8I-57



CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
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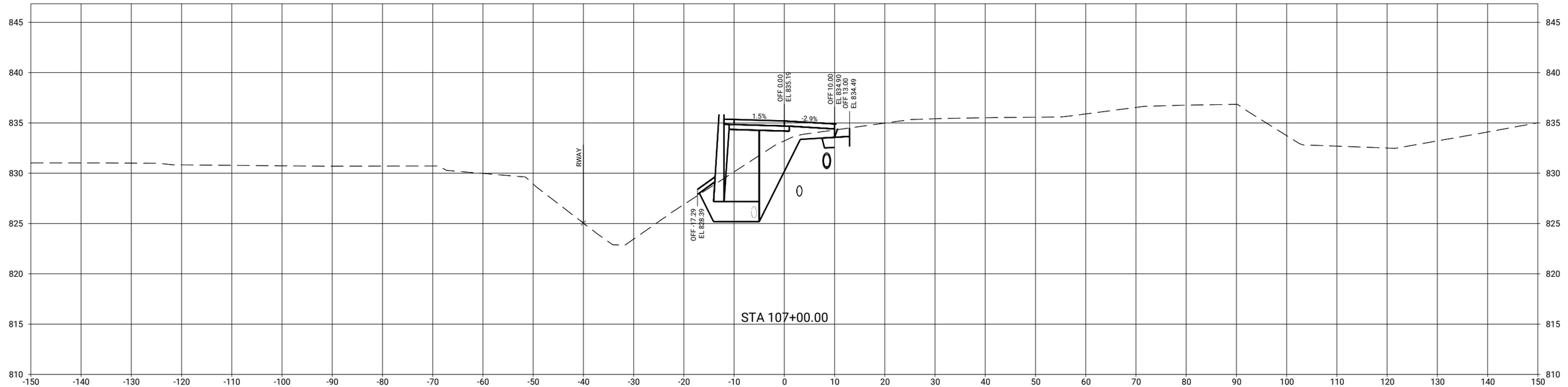
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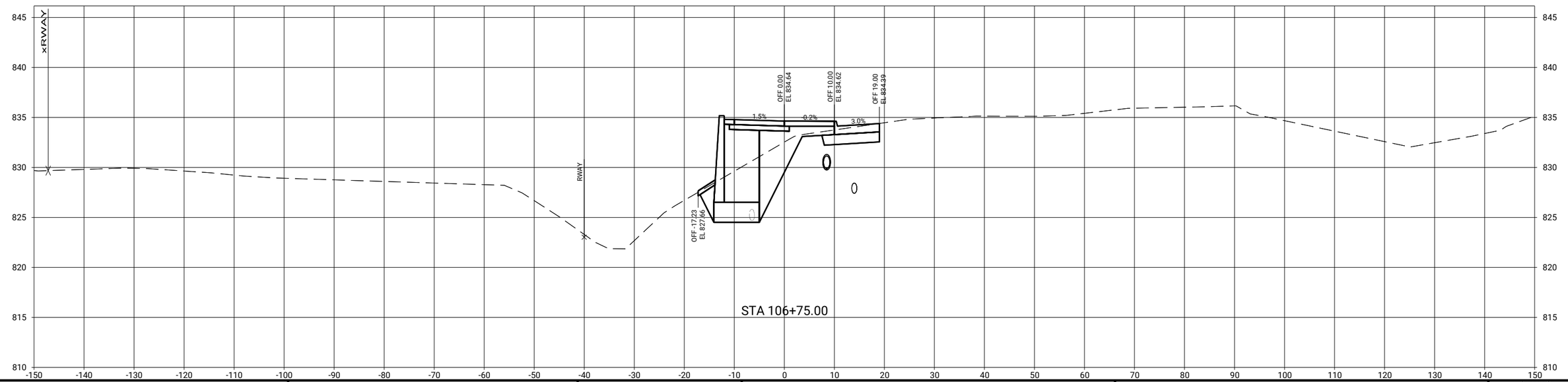
EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
CROSS SECTIONS

SHEET NO.
W.21
TAP-U-1187(793)--8I-57

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CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
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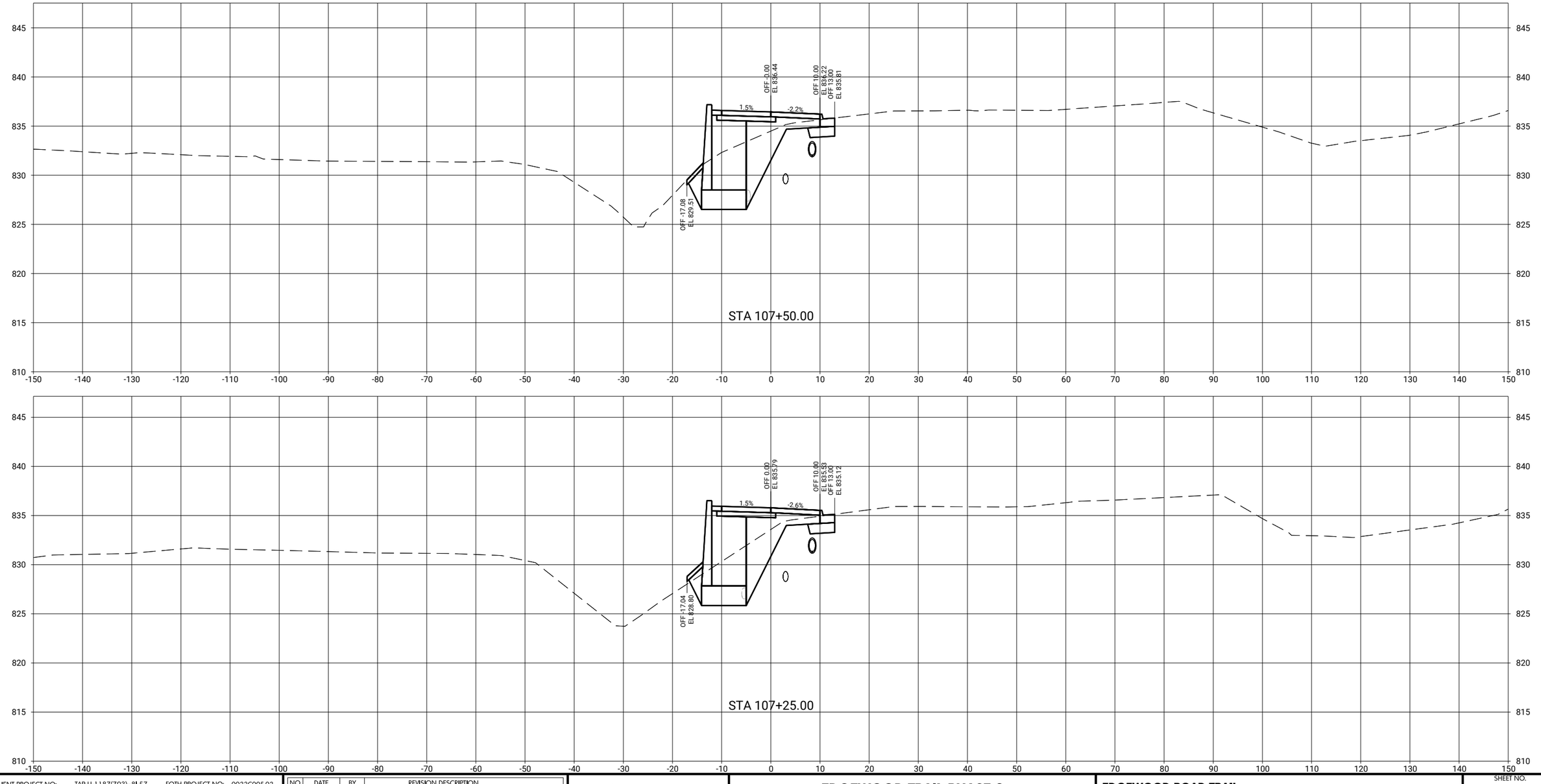
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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
CROSS SECTIONS

SHEET NO.
W.22
TAP-U-1187(793)--8I-57

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CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 3:07:57 PM
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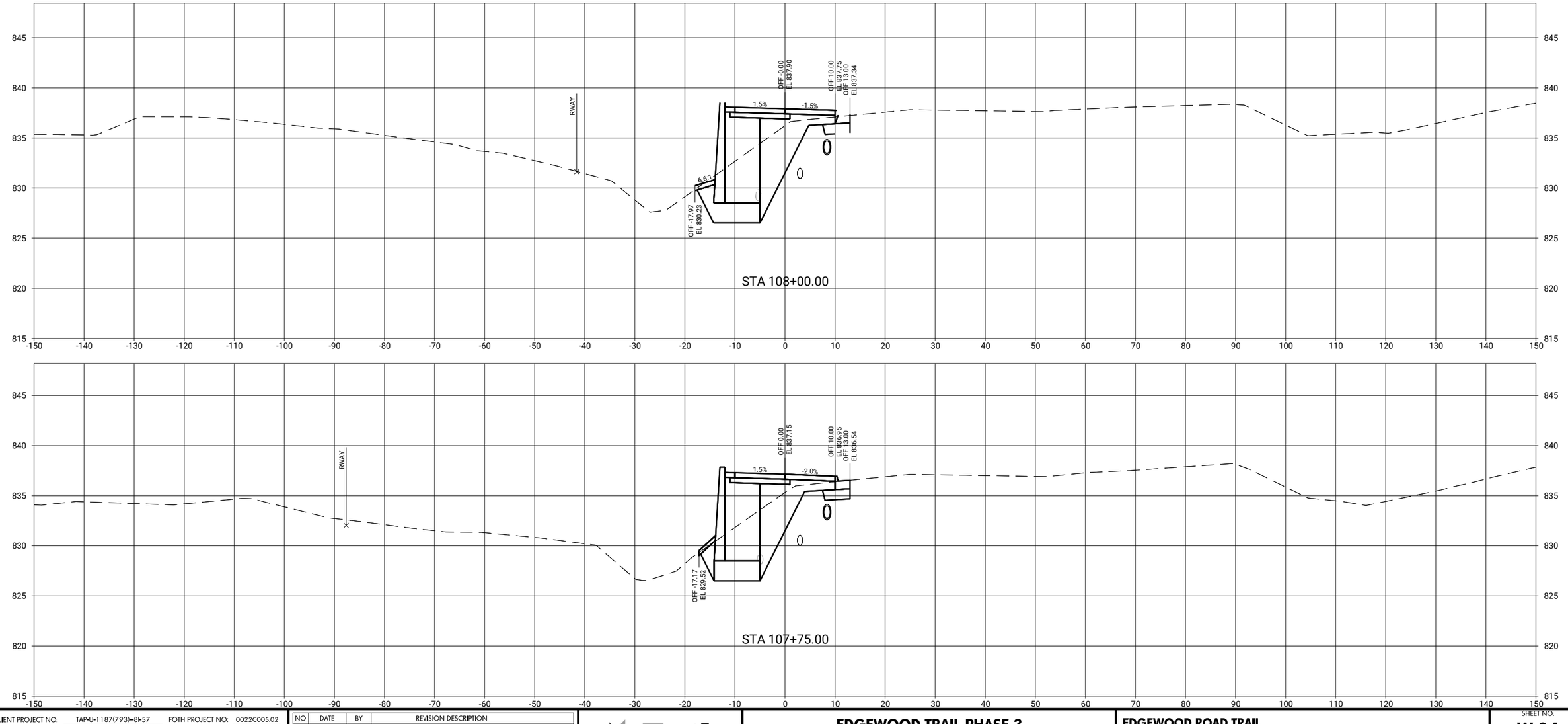
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Foth

EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
CROSS SECTIONS

SHEET NO.
W.23
TAP-U-1187(793)--8I-57



CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 3:07:59 PM
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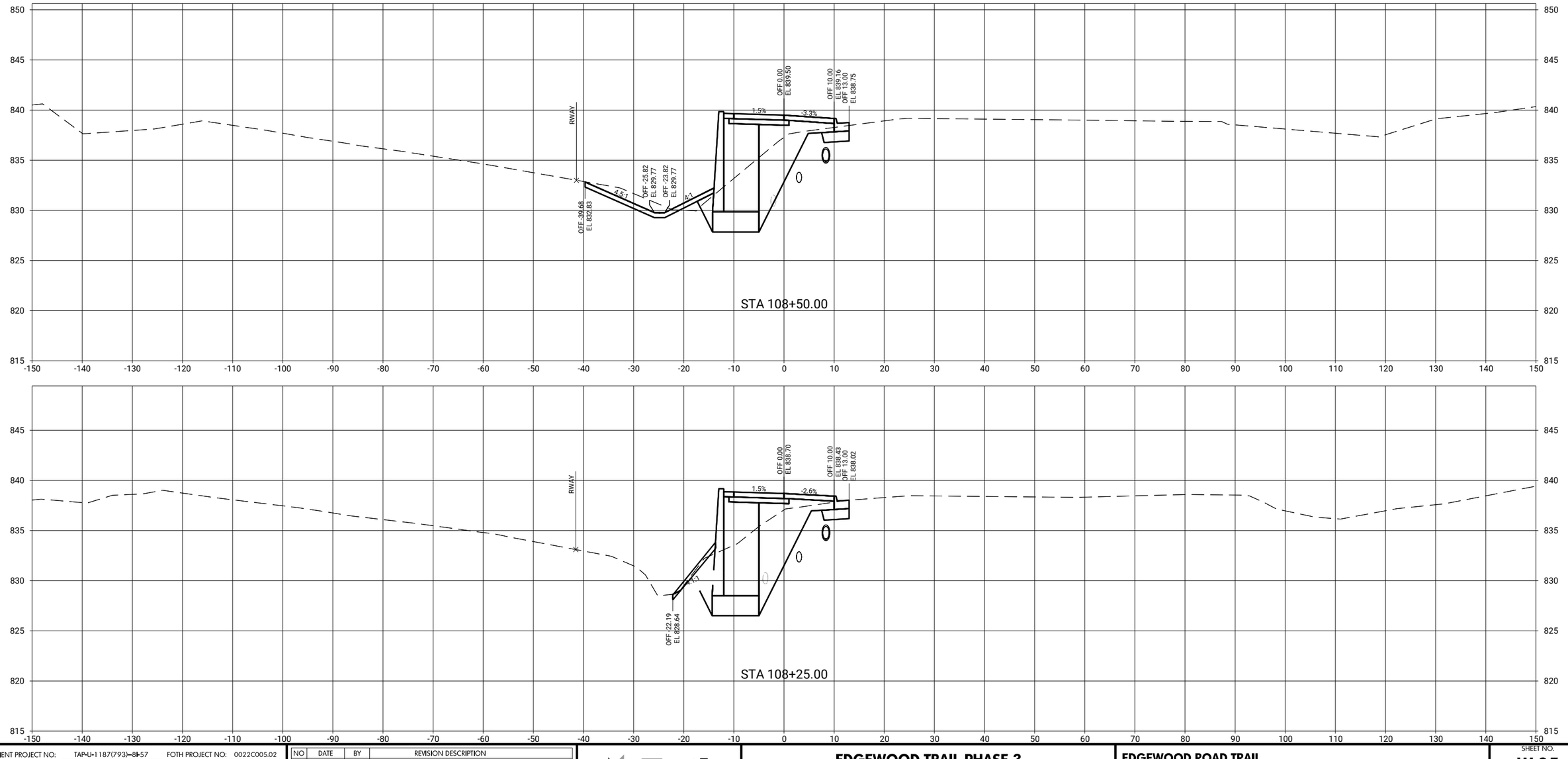
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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
CROSS SECTIONS

SHEET NO.
W.24
TAP-U-1187(793)--8I-57

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CLIENT PROJECT NO:	TAP-U-1187(793)--8I-57	FOTH PROJECT NO:	0022C005.02
DESIGNED BY:	K. WOLLNER	CHECKED BY:	C. CARPER
DRAWN BY:	K. WOLLNER		
LETTING DATE:	9/15/2026	CAD DATE:	6/15/2026 3:08:00 PM
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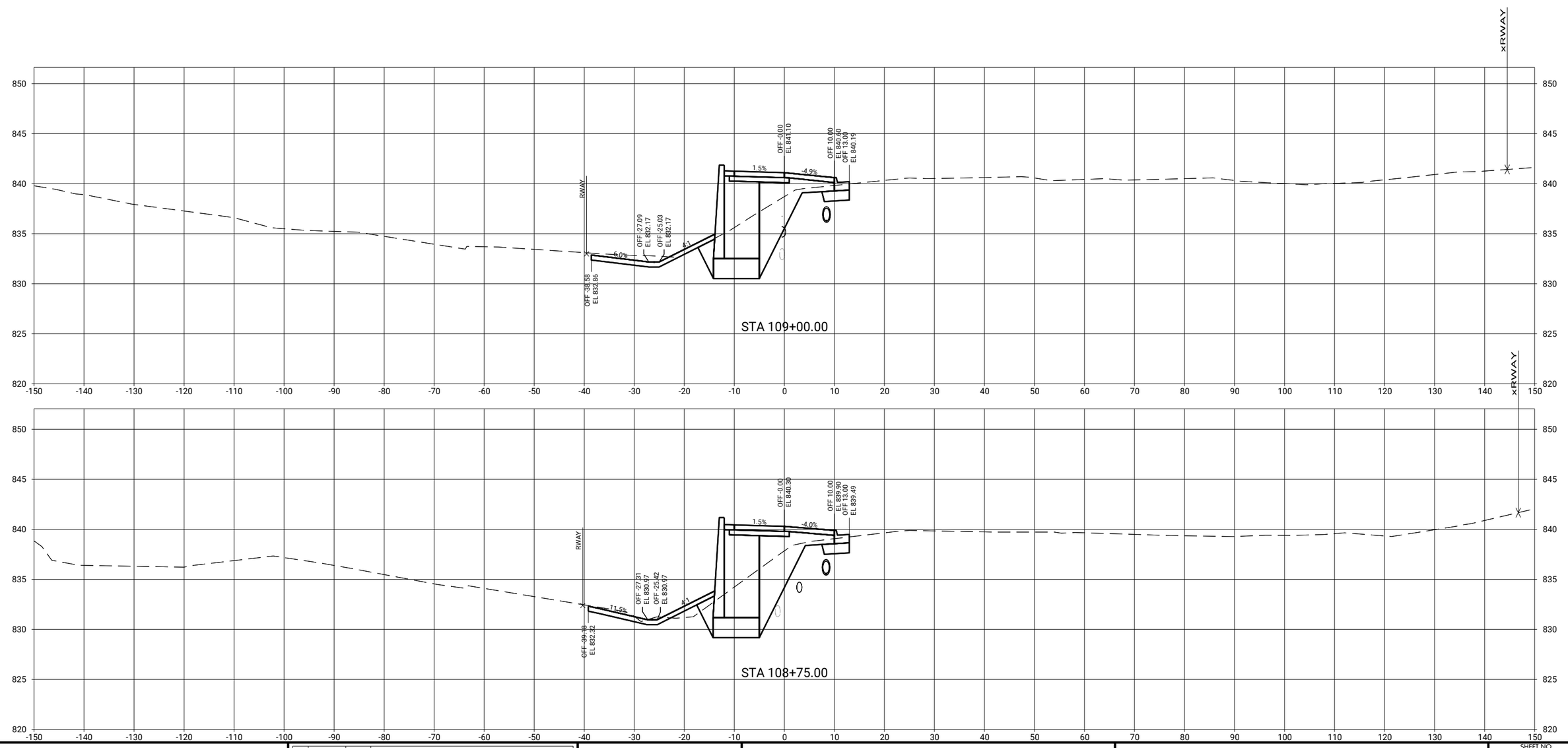
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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
CROSS SECTIONS

SHEET NO.
W.25
TAP-U-1187(793)--8I-57



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CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
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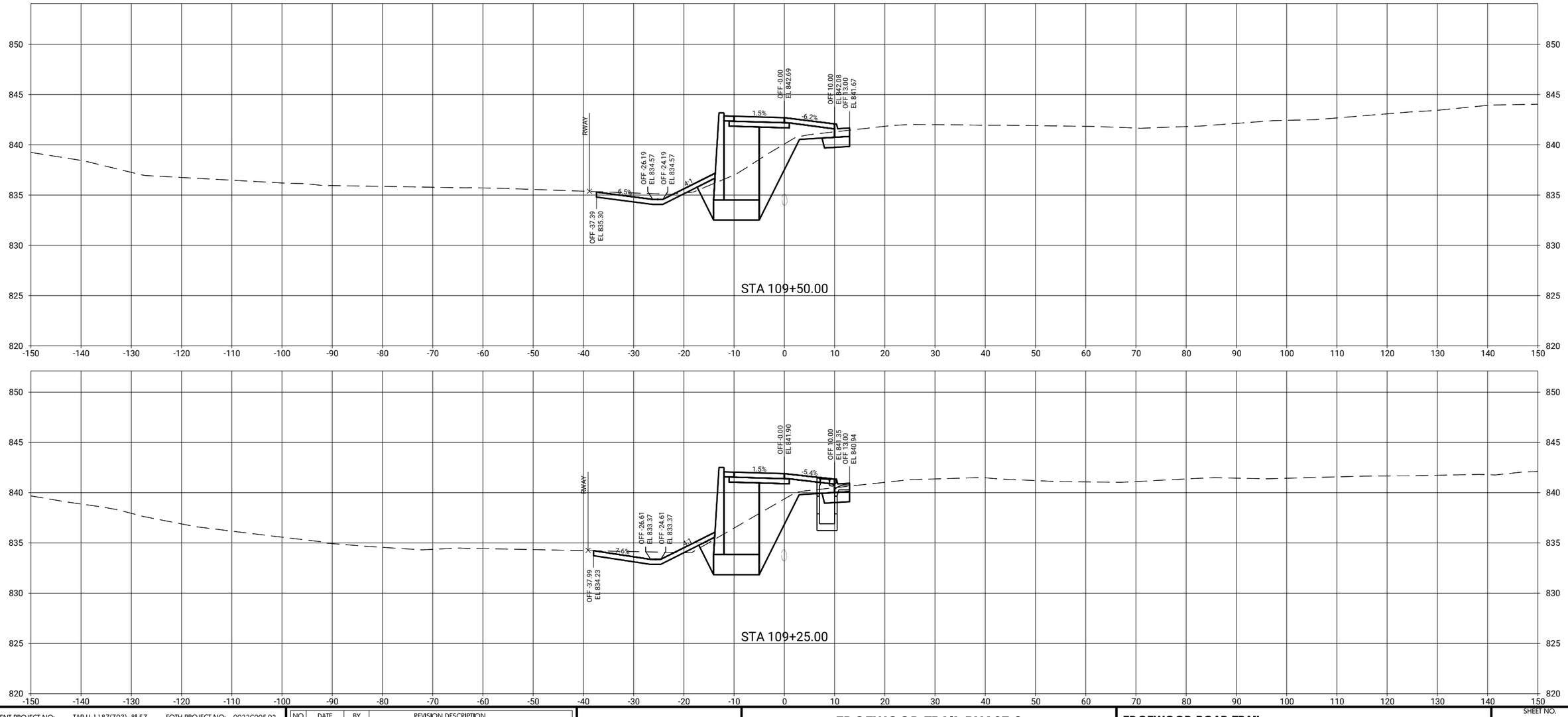
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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE

CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
CROSS SECTIONS

SHEET NO.
W.26
TAP-U-1187(793)--8I-57



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CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 3:08:03 PM
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NO	DATE	BY	REVISION DESCRIPTION

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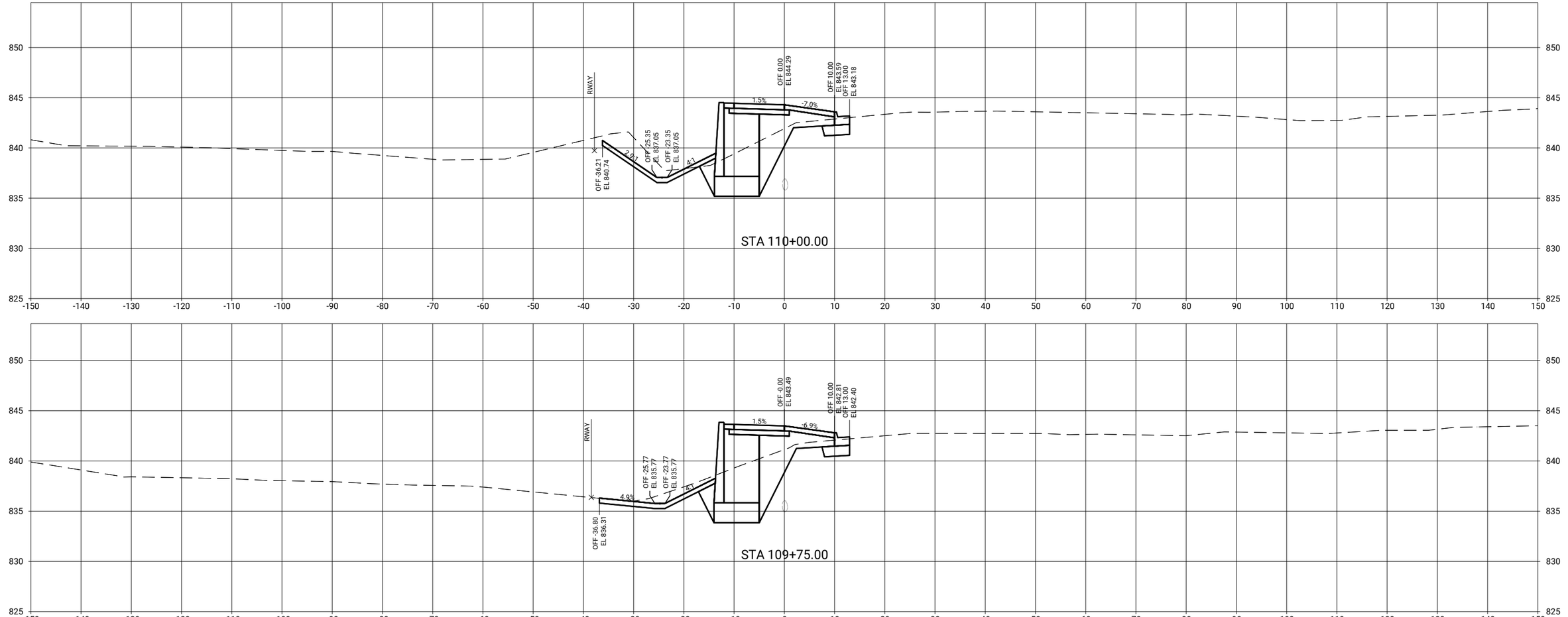
EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE

CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
CROSS SECTIONS

SHEET NO.
W.27

TAP-U-1187(793)--8I-57



pw://foth-pw.bentley.com:foth-pw-01/Documents/Clients/Cedar Rapids PW IA C/Edgewood Road NE Trail Phase 3/CAD/Plans/0022C005.02_W_SHT

CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 3:08:04 PM
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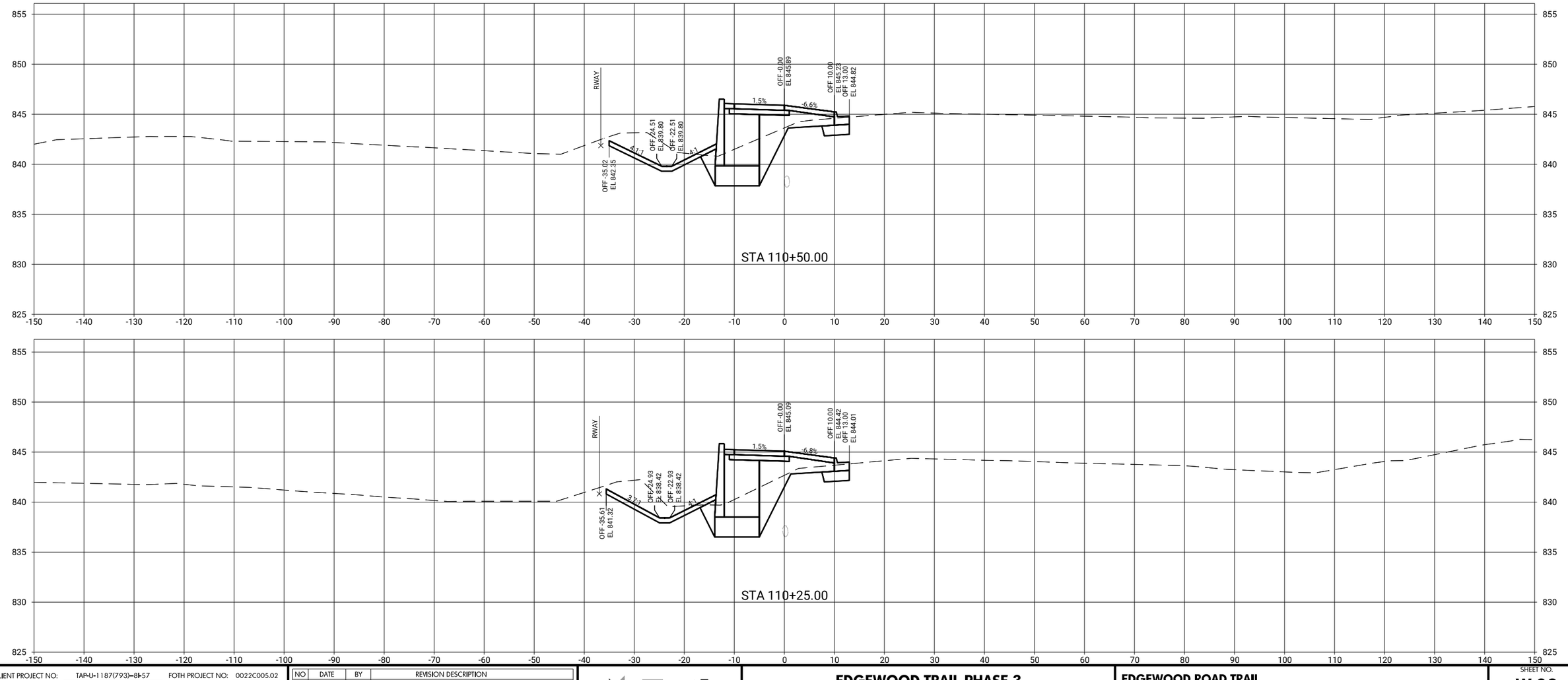
NO	DATE	BY	REVISION DESCRIPTION

Foth

EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
CROSS SECTIONS

SHEET NO.
W.28
TAP-U-1187(793)--8I-57



CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 3:08:05 PM
CAD FILE: c:\pw_workdir\pw_ie\amj3\d0579164\0022C005.02_W_SHT.dgn

NO	DATE	BY	REVISION DESCRIPTION

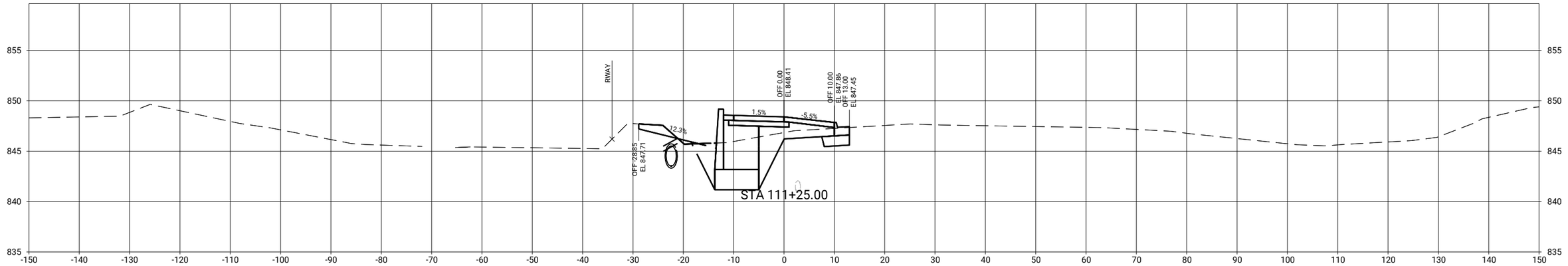
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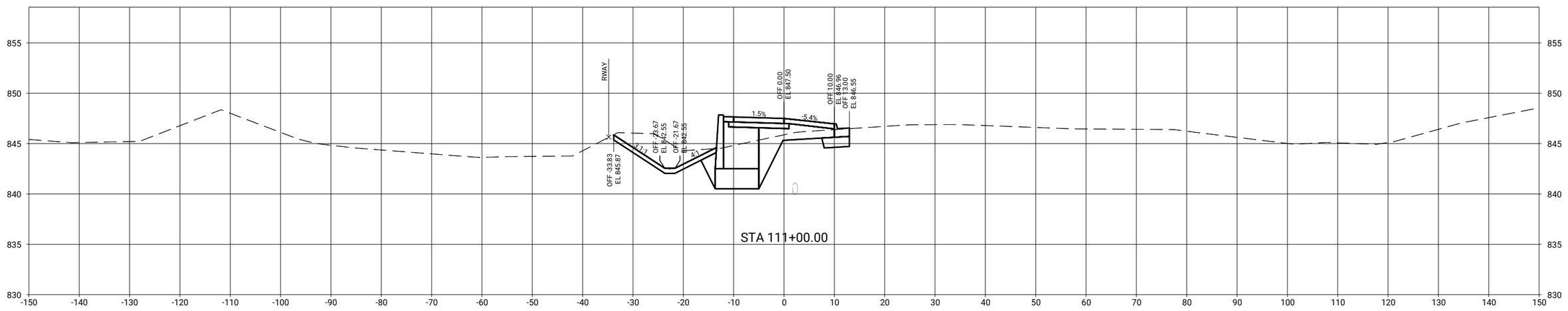
EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

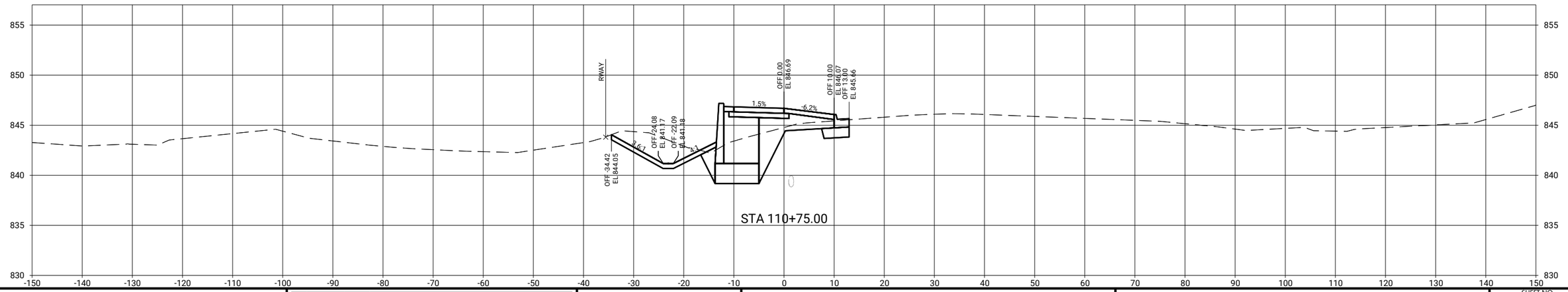
EDGEWOOD ROAD TRAIL
CROSS SECTIONS

SHEET NO.
W.29
TAP-U-1187(793)--8I-57

pw://foth-pw.bentley.com:foth-pw-01\Documents\Clients\Cedar Rapids PW IA C\Edgewood Road NE Trail Phase 3\CAD\Plans\0022C005.02_W_SHT







CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 3:08:07 PM
CAD FILE: c:\pw_workdir\pw_ie1\amj3\d0579164\0022C005.02_W_SHT.dgn

NO	DATE	BY	REVISION DESCRIPTION

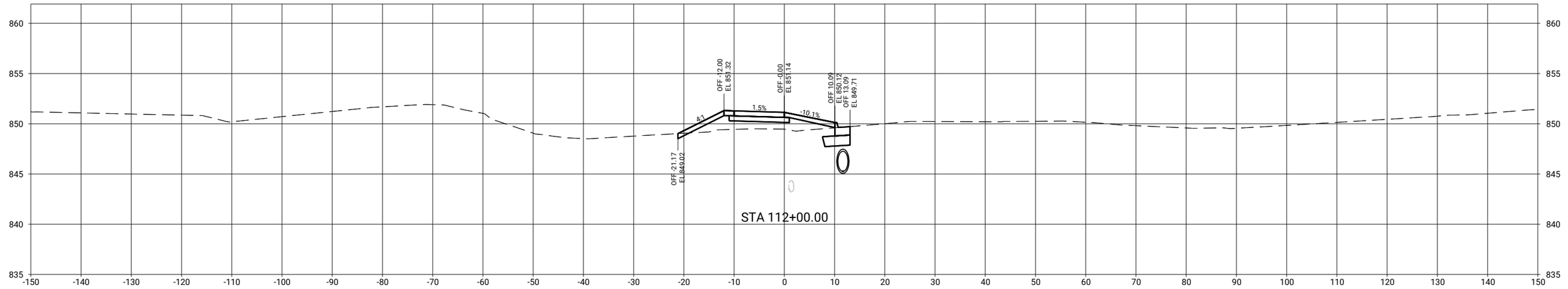
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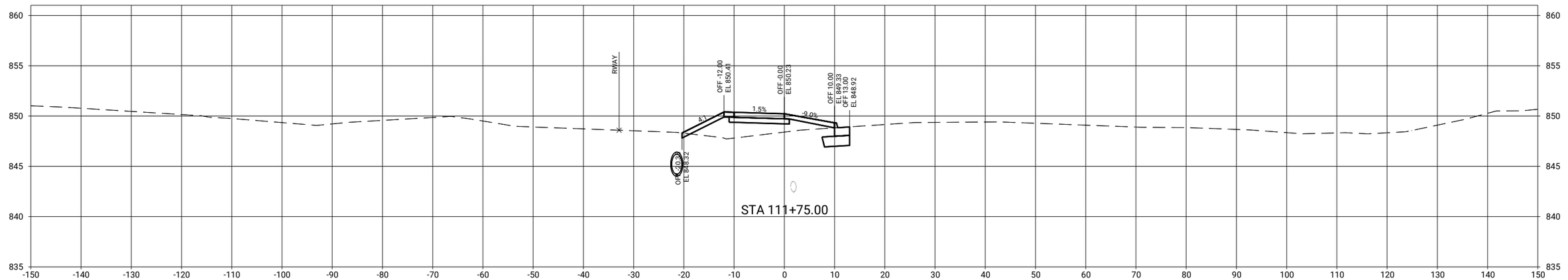
EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

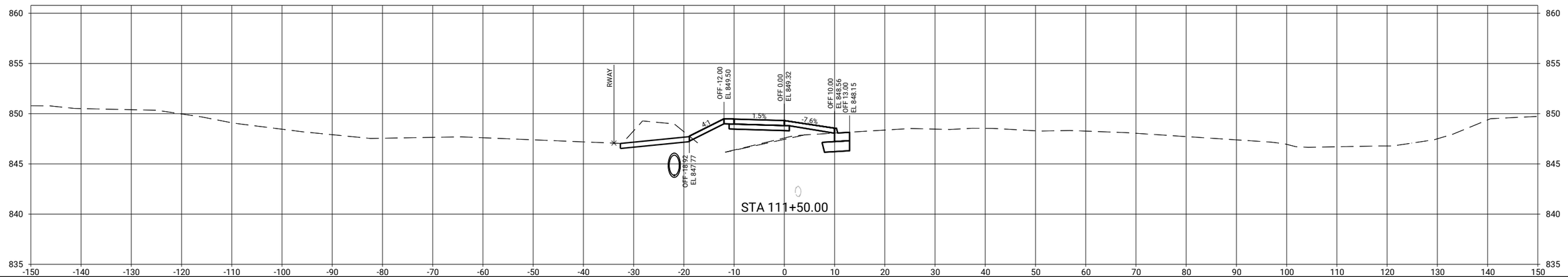
EDGEWOOD ROAD TRAIL
CROSS SECTIONS

SHEET NO.
W.30
TAP-U-1187(793)--8I-57

pw://foth-pw.bentley.com:foth-pw-01:Documents/Clients/Cedar Rapids PW IA C/Edgewood Road NE Trail Phase 3/CAD/Plans/0022C005.02_W_SHT







CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 3:08:08 PM
CAD FILE: c:\pw_workdir\pw_ie1\amj3\d0579164\0022C005.02_W_SHT.dgn

NO	DATE	BY	REVISION DESCRIPTION

Foth

EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
CROSS SECTIONS

SHEET NO.
W.31
TAP-U-1187(793)--8I-57

pw://foth-pw.bentley.com:foth-pw-01/Documents/Clients/Cedar Rapids PW IA C/Edgewood Road NE Trail Phase 3/CAD/Plans/0022C005.02_W_SHT

CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 3:08:10 PM
CAD FILE: c:\pw_workdir\pw_ie\amj3\d0579164\0022C005.02_W_SHT.dgn

NO	DATE	BY	REVISION DESCRIPTION

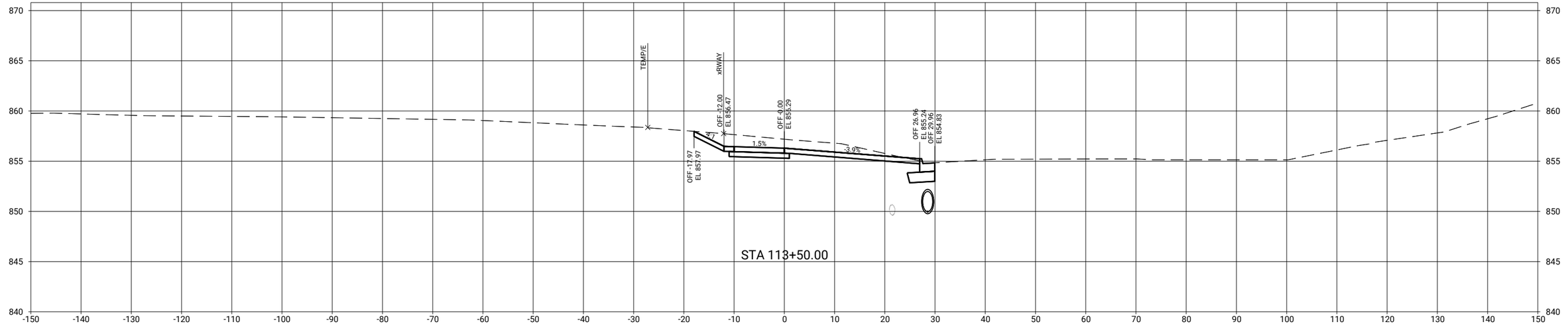
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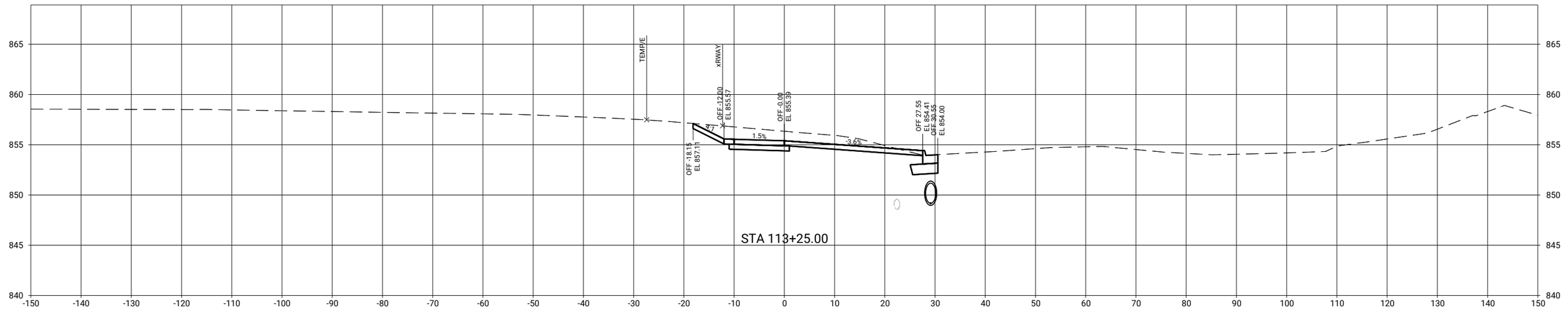
EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

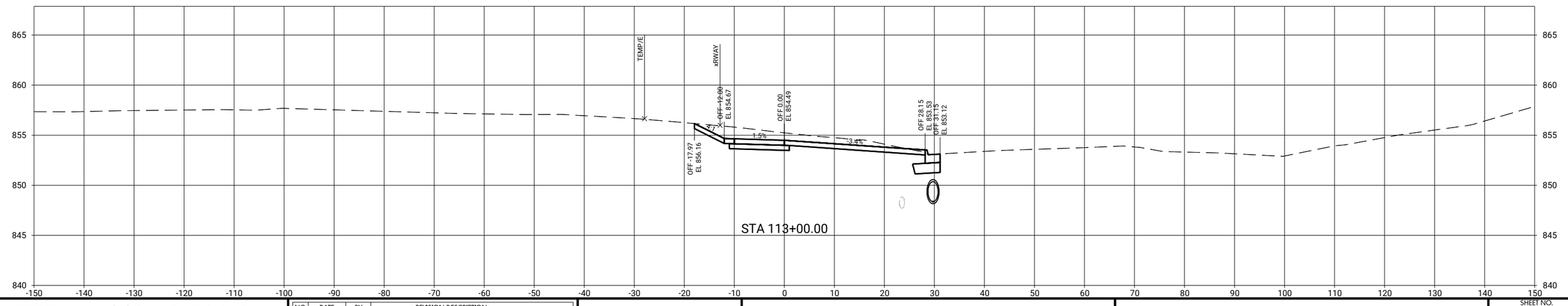
EDGEWOOD ROAD TRAIL
CROSS SECTIONS

SHEET NO.
W.32
TAP-U-1187(793)--8I-57

pw://foth-pw.bentley.com:foth-pw-01/Documents/Clients/Cedar Rapids PW IA C/Edgewood Road NE Trail Phase 3/CAD/Plans/0022C005.02_W_SHT







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CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 3:08:11 PM
CAD FILE: c:\pw_workdir\pw_ie\amj3\d05791641\0022C005.02_W_SHT.dgn

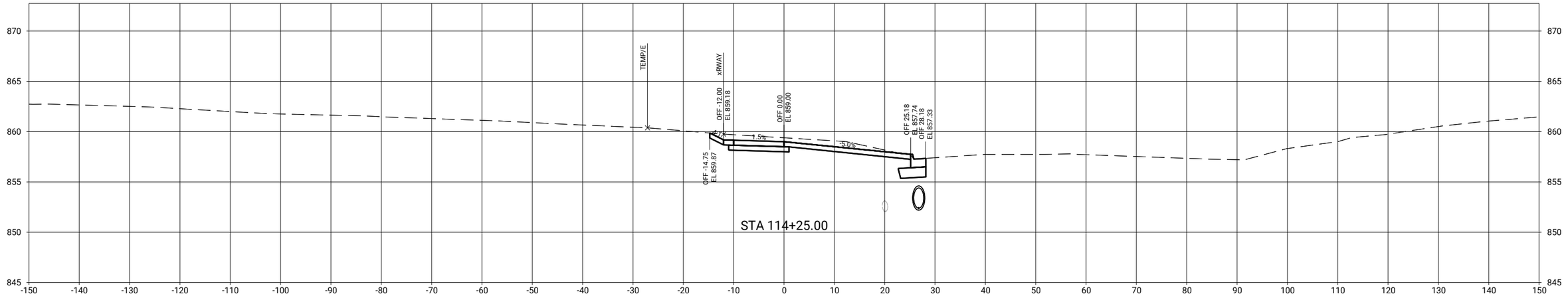
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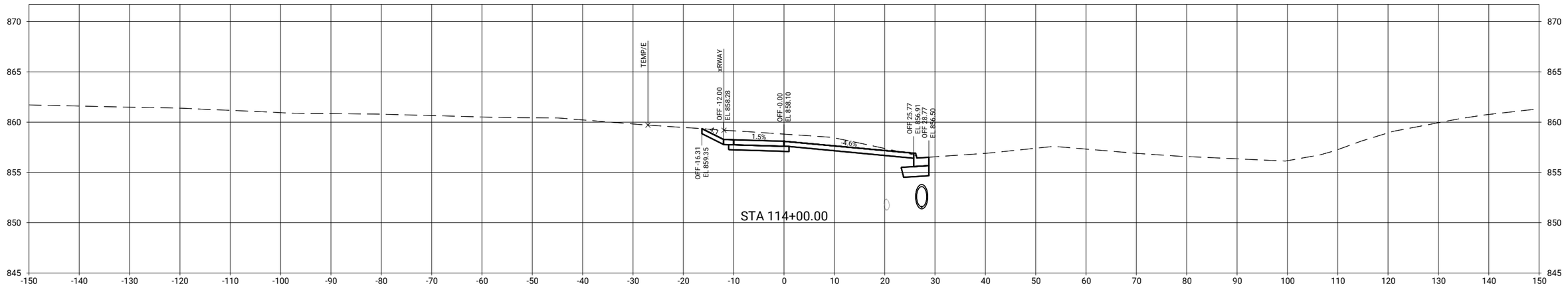
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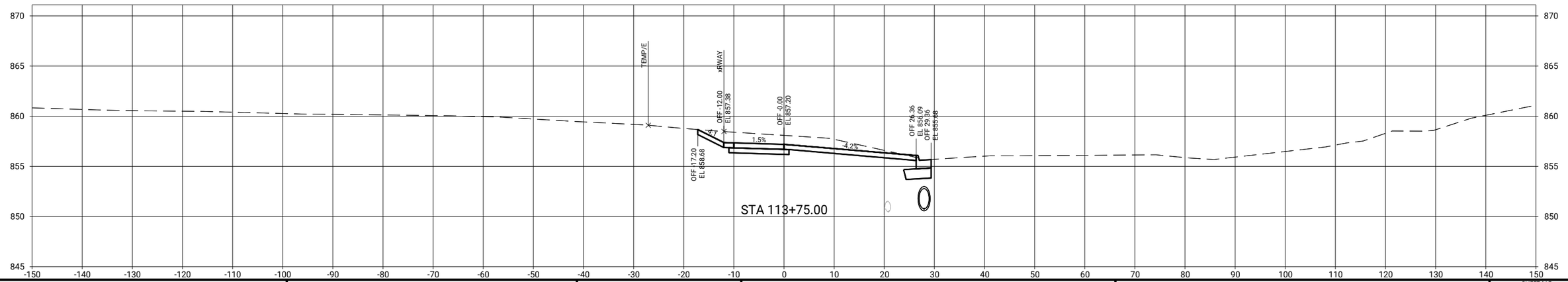
EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
CROSS SECTIONS

SHEET NO.
W.33
TAP-U-1187(793)--8I-57







pw://foth-pw.bentley.com:foth-pw-01\Documents\Clients\Cedar Rapids PW IA C\Edgewood Road NE Trail Phase 3\CAD\Plans\0022C005.02_W_SHT

CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 3:08:13 PM
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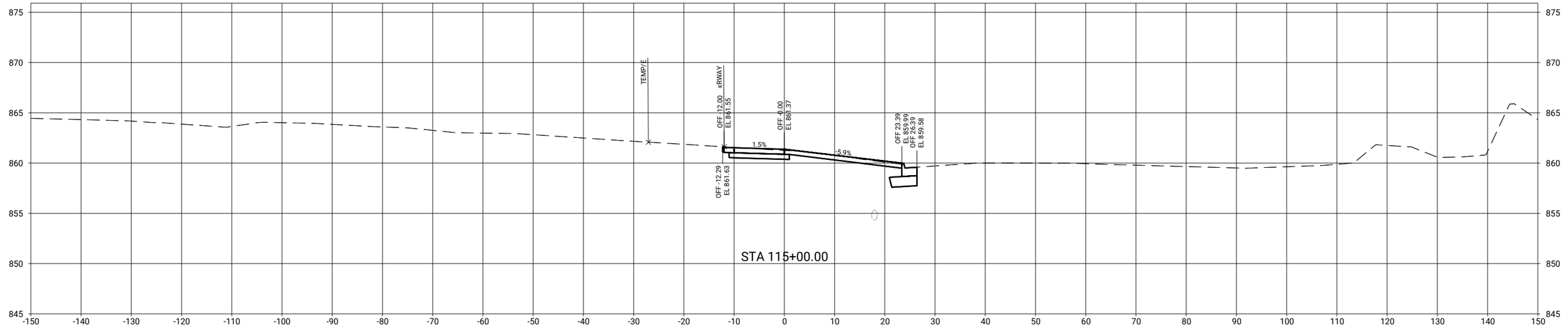
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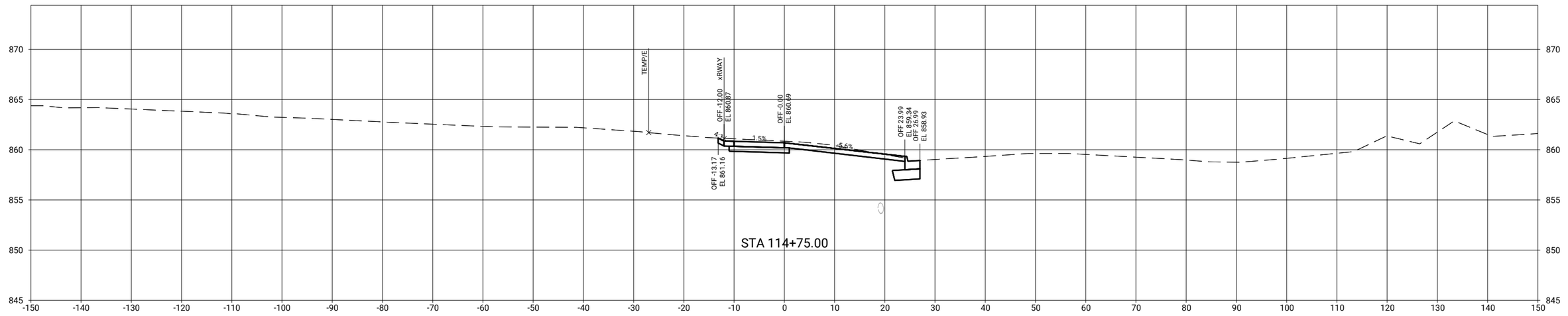
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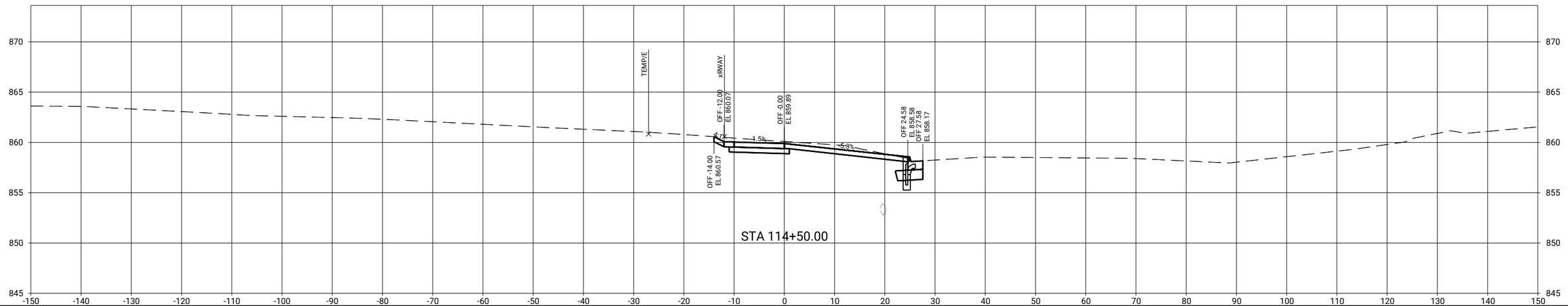
EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
CROSS SECTIONS

SHEET NO.
W.34
TAP-U-1187(793)--8I-57







CLIENT PROJECT NO: TAP-U-1187(793)--81-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 3:08:14 PM
CAD FILE: c:\pw_workdir\pw_ie\amj3\d0579164\0022C005.02_W_SHT.dgn

NO	DATE	BY	REVISION DESCRIPTION

Foth

EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
CROSS SECTIONS

SHEET NO.
W.35
TAP-U-1187(793)--81-57

pw://foth-pw.bentley.com:foth-pw-01/Documents/Clients/Cedar Rapids PW IA C/Edgewood Road NE Trail Phase 3/CAD/Plans/0022C005.02_W_SHT

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CLIENT PROJECT NO:	TAP-U-1187(793)--8I-57	FOTH PROJECT NO:	0022C005.02
DESIGNED BY:	K. WOLLNER	CHECKED BY:	C. CARPER
DRAWN BY:	K. WOLLNER		
LETTING DATE:	9/15/2026	CAD DATE:	6/15/2026 3:08:15 PM
CAD FILE:	c:\pw_workdir\pw_ie\amj3\d0579164\0022C005.02_W_SHT.dgn		

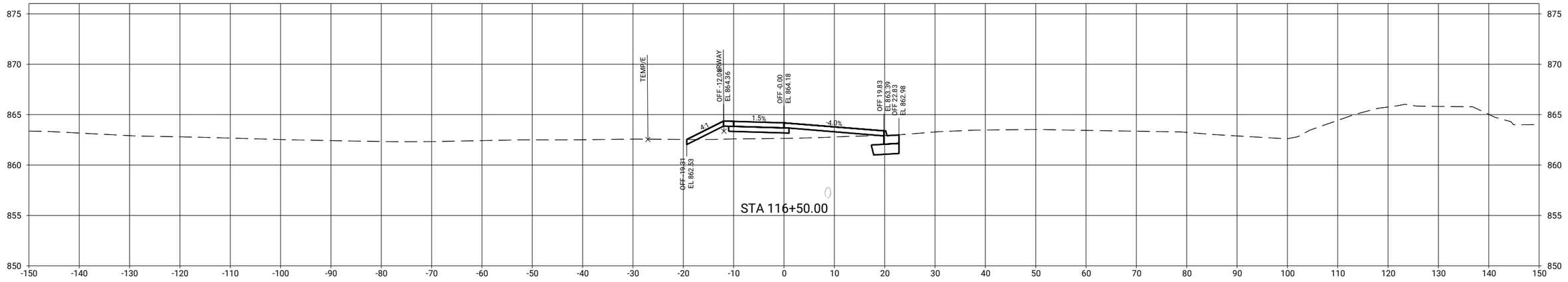
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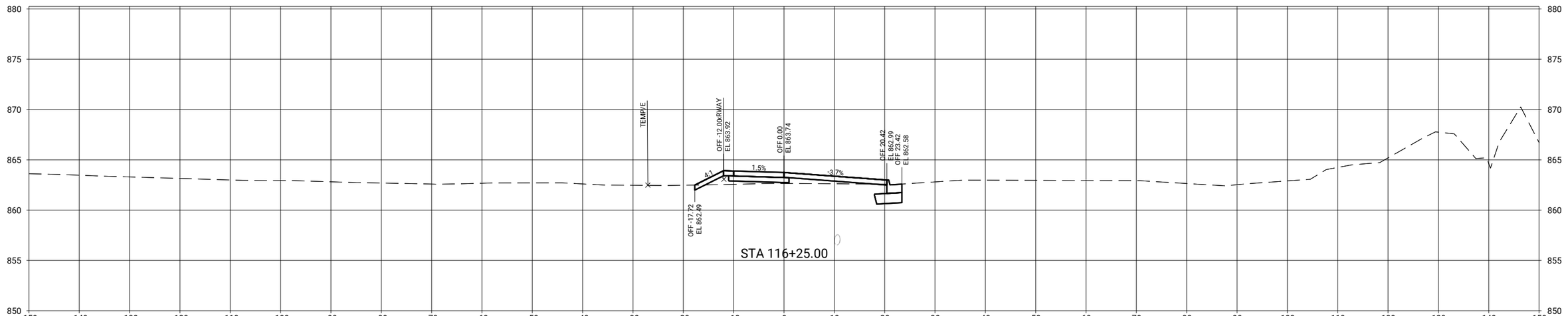
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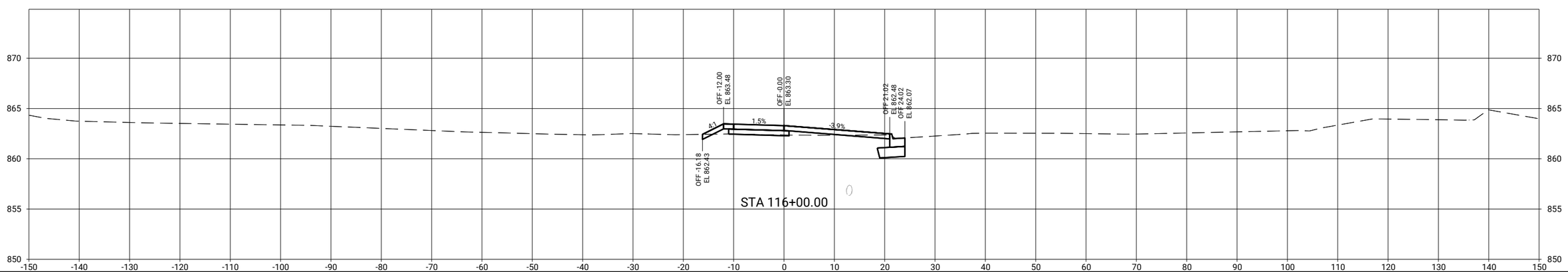
EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
CROSS SECTIONS

SHEET NO.
W.36
TAP-U-1187(793)--8I-57







CLIENT PROJECT NO: TAP-U-1187(793)--81-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 3:08:17 PM
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NO	DATE	BY	REVISION DESCRIPTION

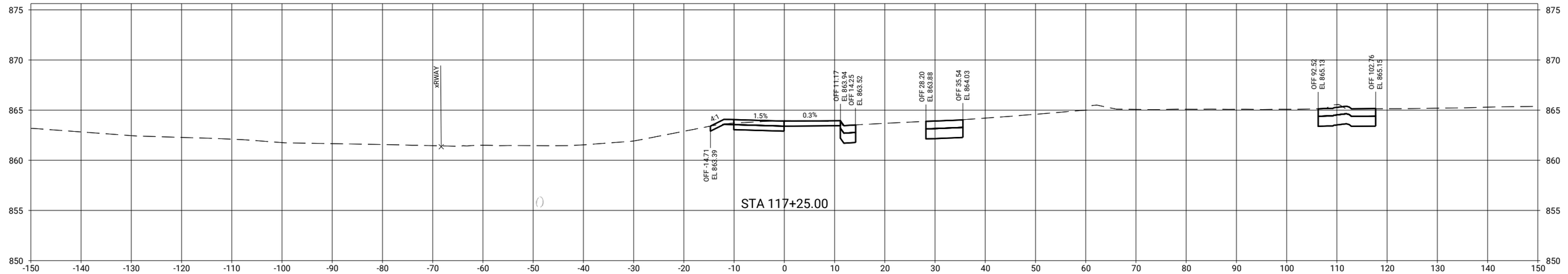
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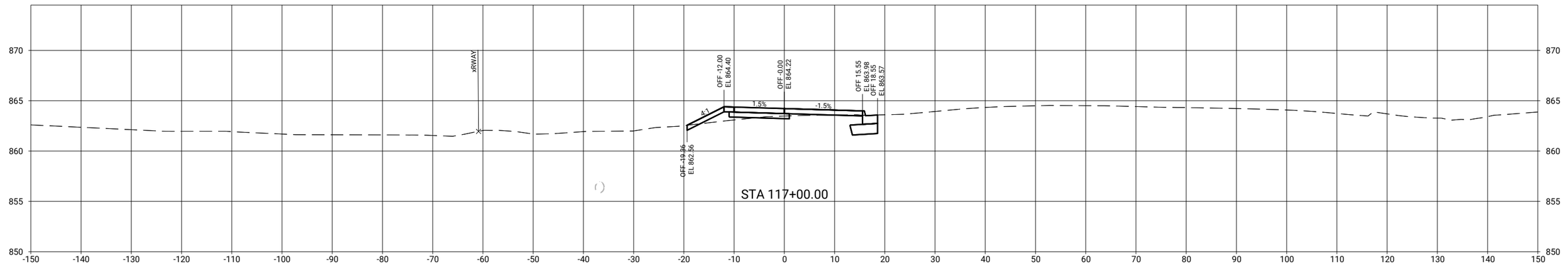
EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

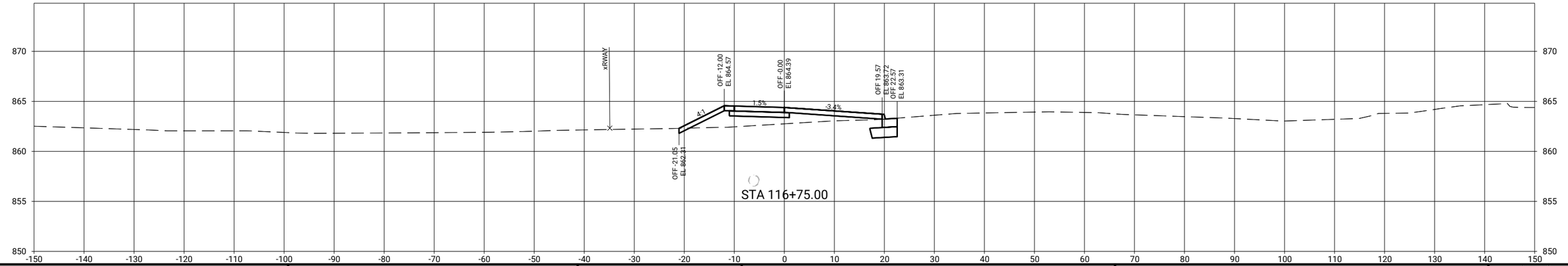
EDGEWOOD ROAD TRAIL
CROSS SECTIONS

SHEET NO.
W.37
TAP-U-1187(793)--81-57

pw://foth-pw.bentley.com:foth-pw-01/Documents/Clients/Cedar Rapids PW IA C/Edgewood Road NE Trail Phase 3/CAD/Plans/0022C005.02_W_SHT







CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 3:08:19 PM
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NO	DATE	BY	REVISION DESCRIPTION

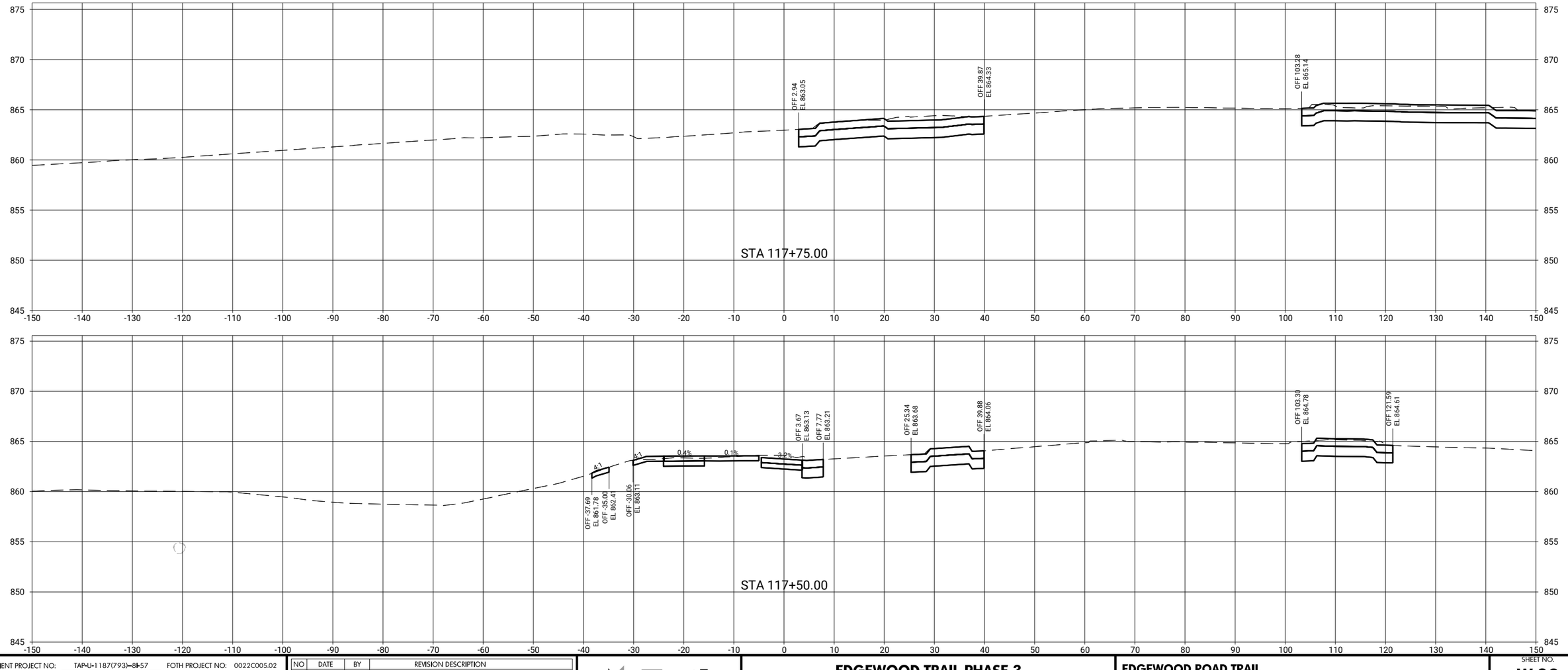
Foth

EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
CROSS SECTIONS

SHEET NO.
W.38
TAP-U-1187(793)--8I-57

pw://foth-pw.bentley.com:foth-pw-01/Documents/Clients/Cedar Rapids PW IA C/Edgewood Road NE Trail Phase 3/CAD/Plans/0022C005.02_W_SHT



CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 3:08:20 PM
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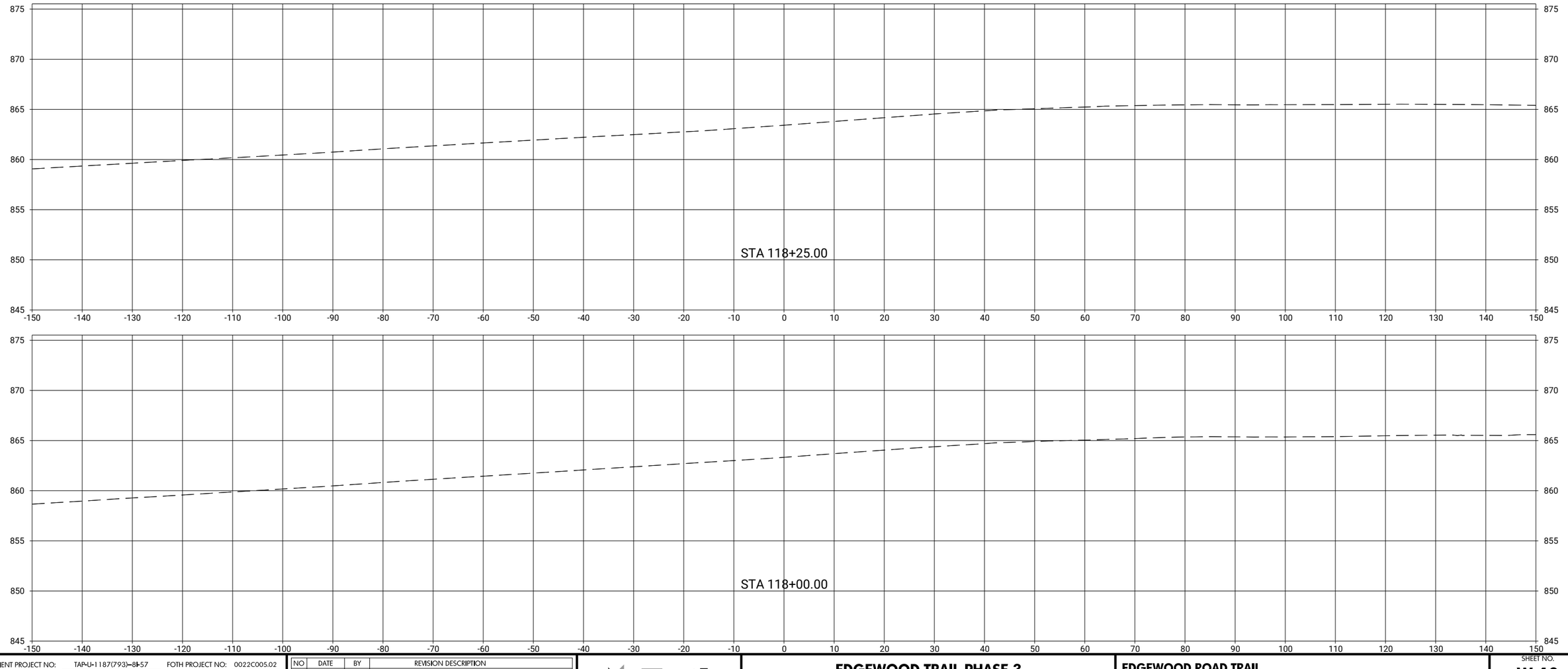
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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
CROSS SECTIONS

SHEET NO.
W.39
TAP-U-1187(793)--8I-57

pw://foth-pw.bentley.com:foth-pw-01\Documents\Clients\Cedar Rapids PW IA CE\Edgewood Road NE Trail Phase 3\CAD\Plans\0022C005.02_W_SHT



CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 3:08:21 PM
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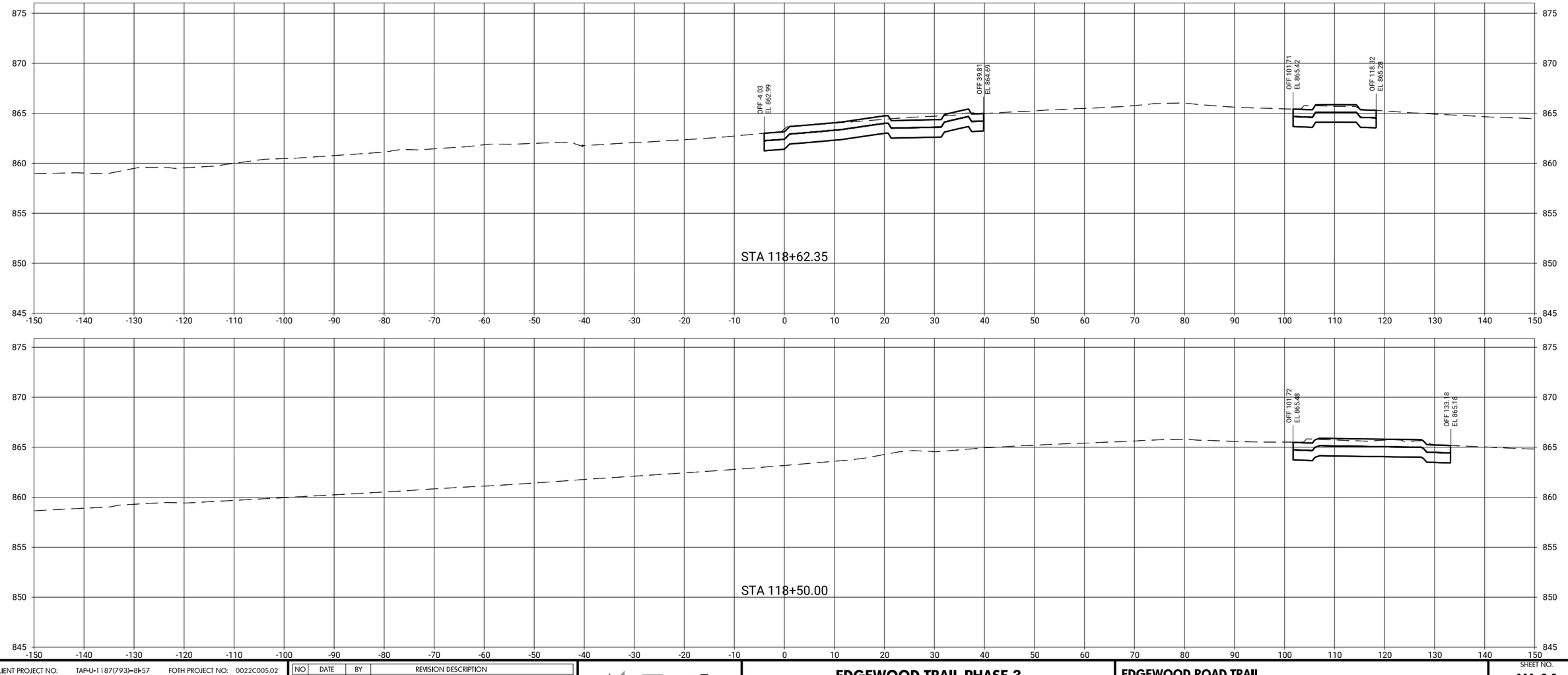
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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
CROSS SECTIONS

SHEET NO.
W.40
TAP-U-1187(793)--8I-57

pw://foth-pw.bentley.com:foth-pw-01\Documents\Clients\Cedar Rapids PW IA CE\Edgewood Road NE Trail Phase 3\CAD\Plans\0022C005.02_W_SHT



CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 3:08:22 PM
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NO	DATE	BY	REVISION DESCRIPTION

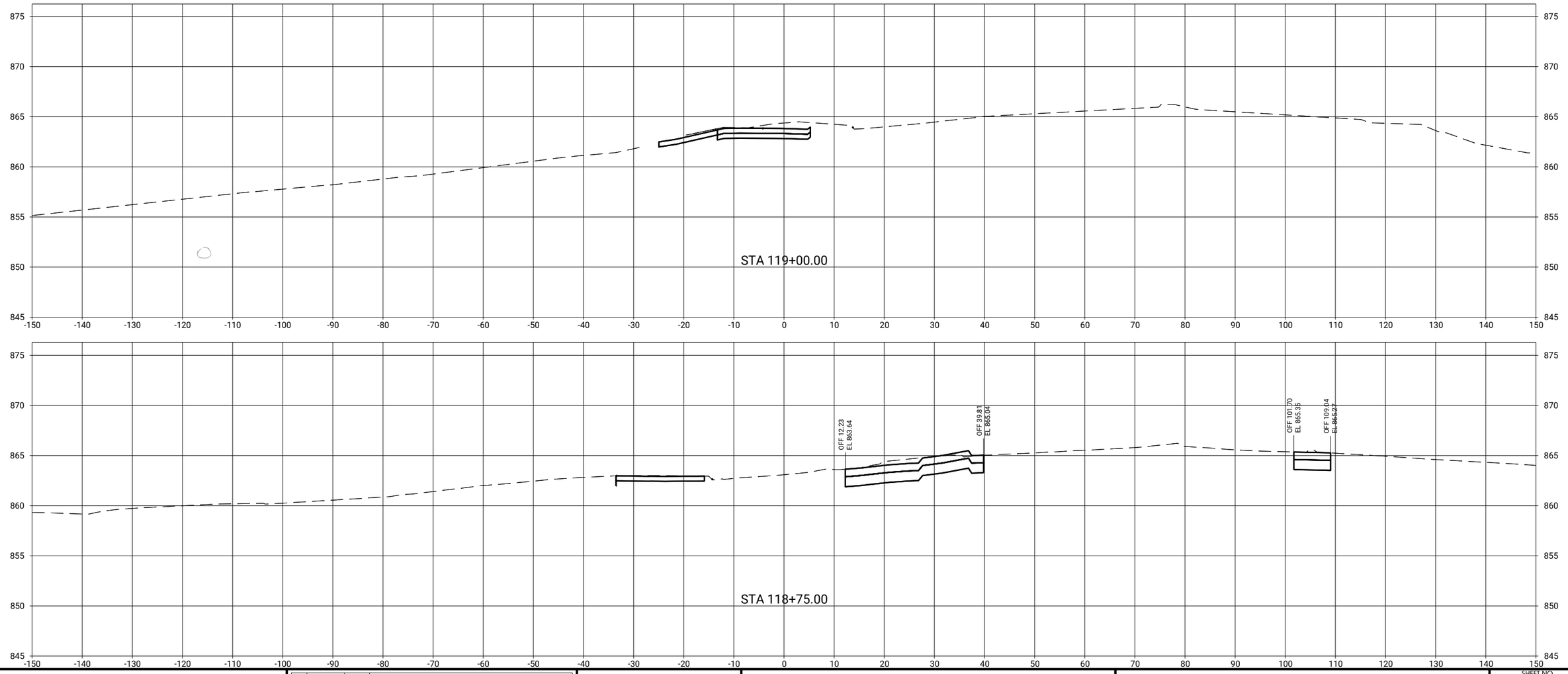
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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
CROSS SECTIONS

SHEET NO.
W.41
TAP-U-1187(793)--8I-57

pw://foth-pw.bentley.com:foth-pw-01\Documents\Clients\Cedar Rapids PW IA CE\Edgewood Road NE Trail Phase 3\CAD\Plans\0022C005.02_W_SHT



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CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 3:08:24 PM
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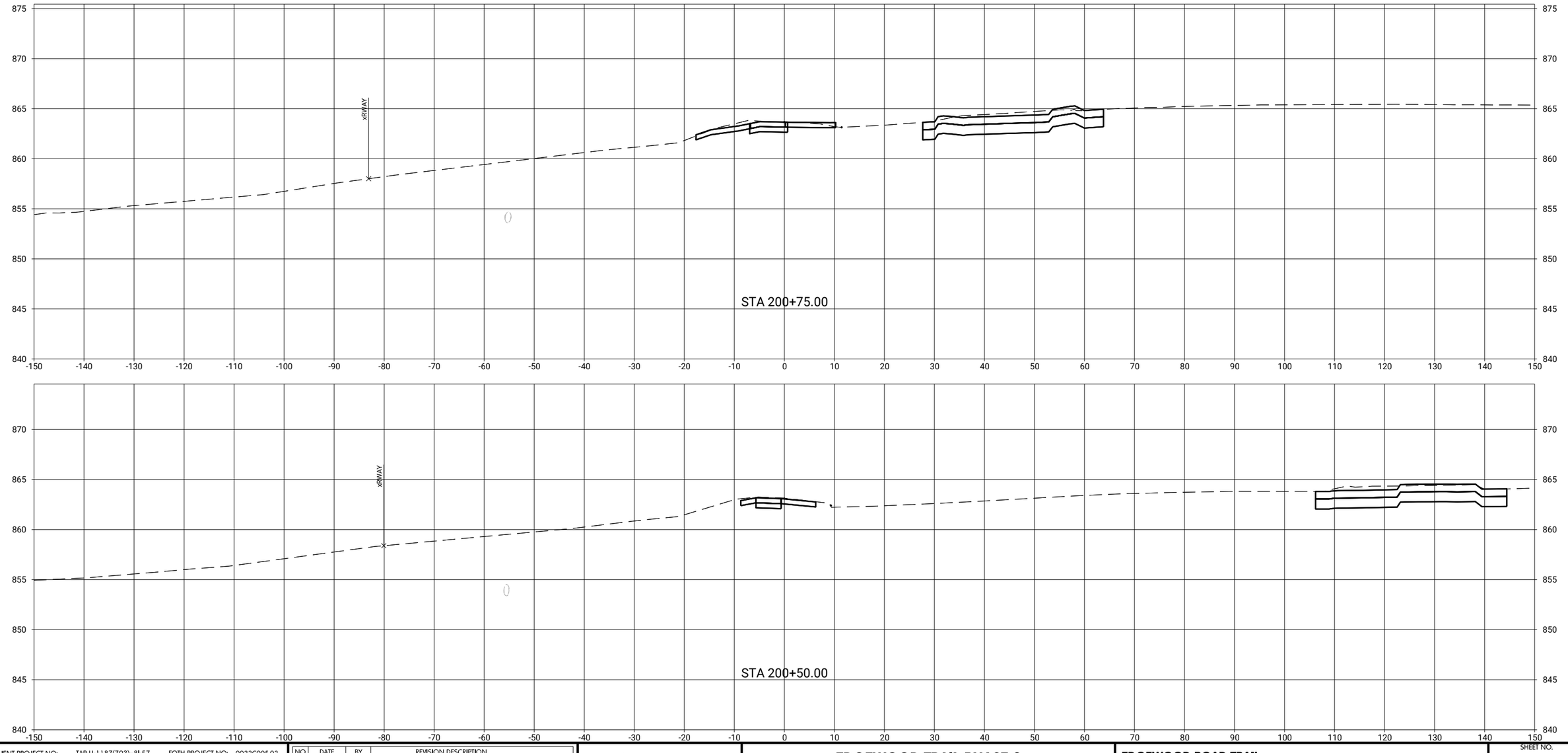
NO	DATE	BY	REVISION DESCRIPTION

Foth

EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
CROSS SECTIONS

SHEET NO.
W.42
TAP-U-1187(793)--8I-57



pw://foth-pw.bentley.com:foth-pw-01/Documents/Clients/Cedar Rapids PW IA CE/Edgewood Road NE Trail Phase 3/CAD/Plans/0022C005.02_W_SHT

CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 3:08:25 PM
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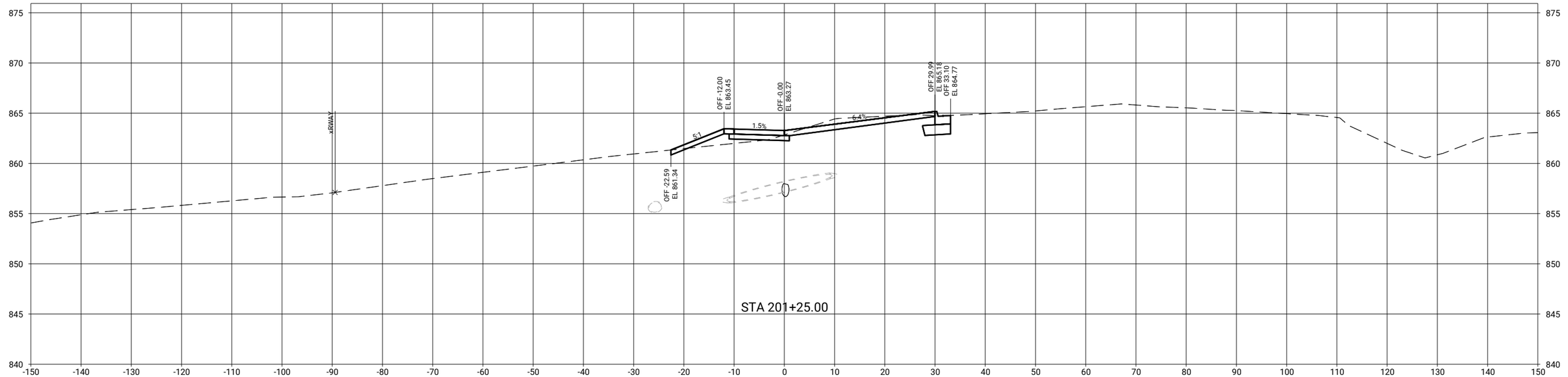
NO	DATE	BY	REVISION DESCRIPTION

Foth

EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
CROSS SECTIONS

SHEET NO.
W.43
TAP-U-1187(793)--8I-57



CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 3:08:26 PM
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NO	DATE	BY	REVISION DESCRIPTION

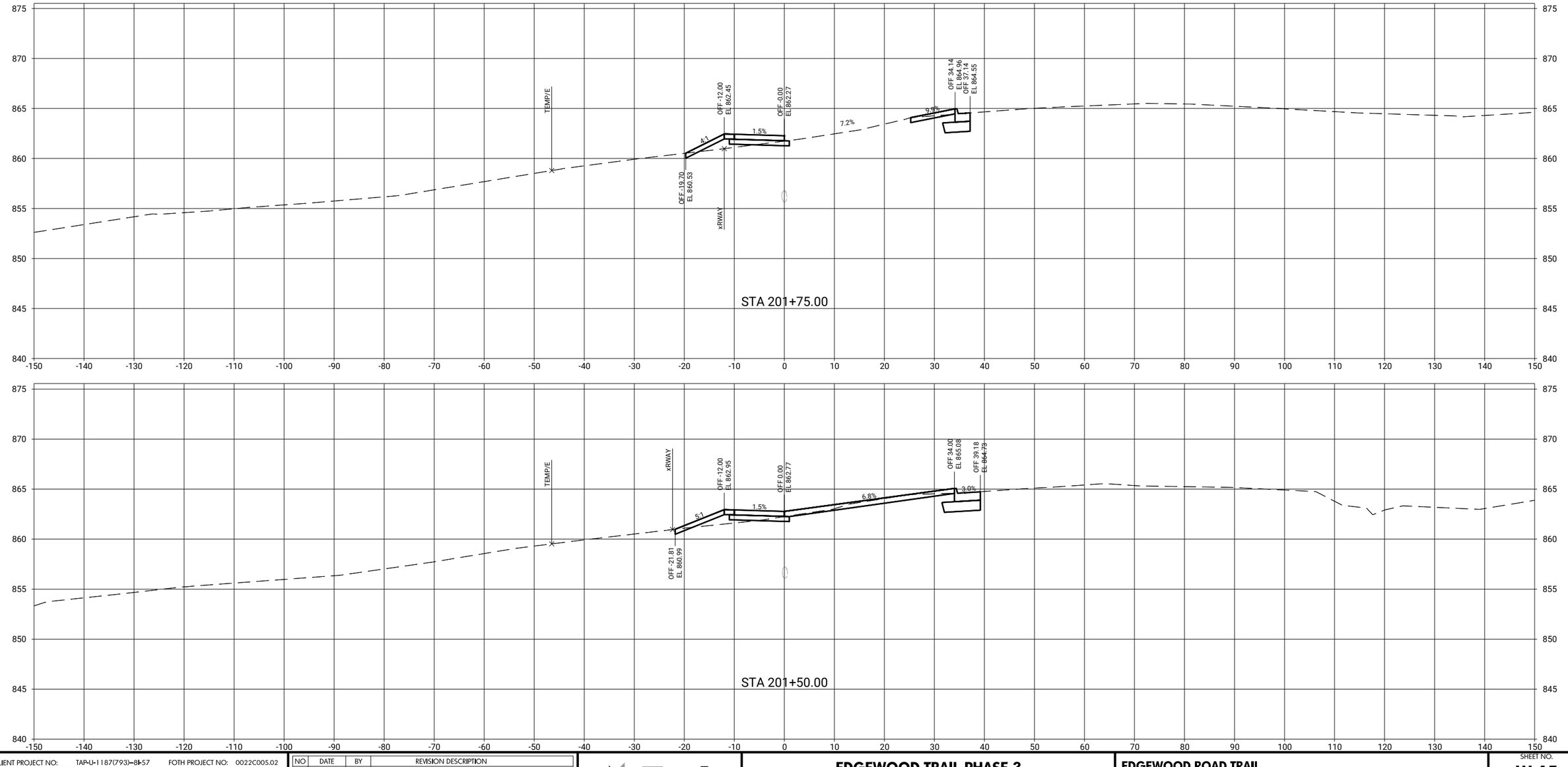
Foth

EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
CROSS SECTIONS

SHEET NO.
W.44
TAP-U-1187(793)--8I-57

pw://foth-pw.bentley.com:foth-pw-01/Documents/Clients/Cedar Rapids PW IA C/Edgewood Road NE Trail Phase 3/CAD/Plans/0022C005.02_W_SHT



CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 3:08:27 PM
CAD FILE: c:\pw_workdir\pw_ie\amj3\d0579164\0022C005.02_W_SHT.dgn

NO	DATE	BY	REVISION DESCRIPTION

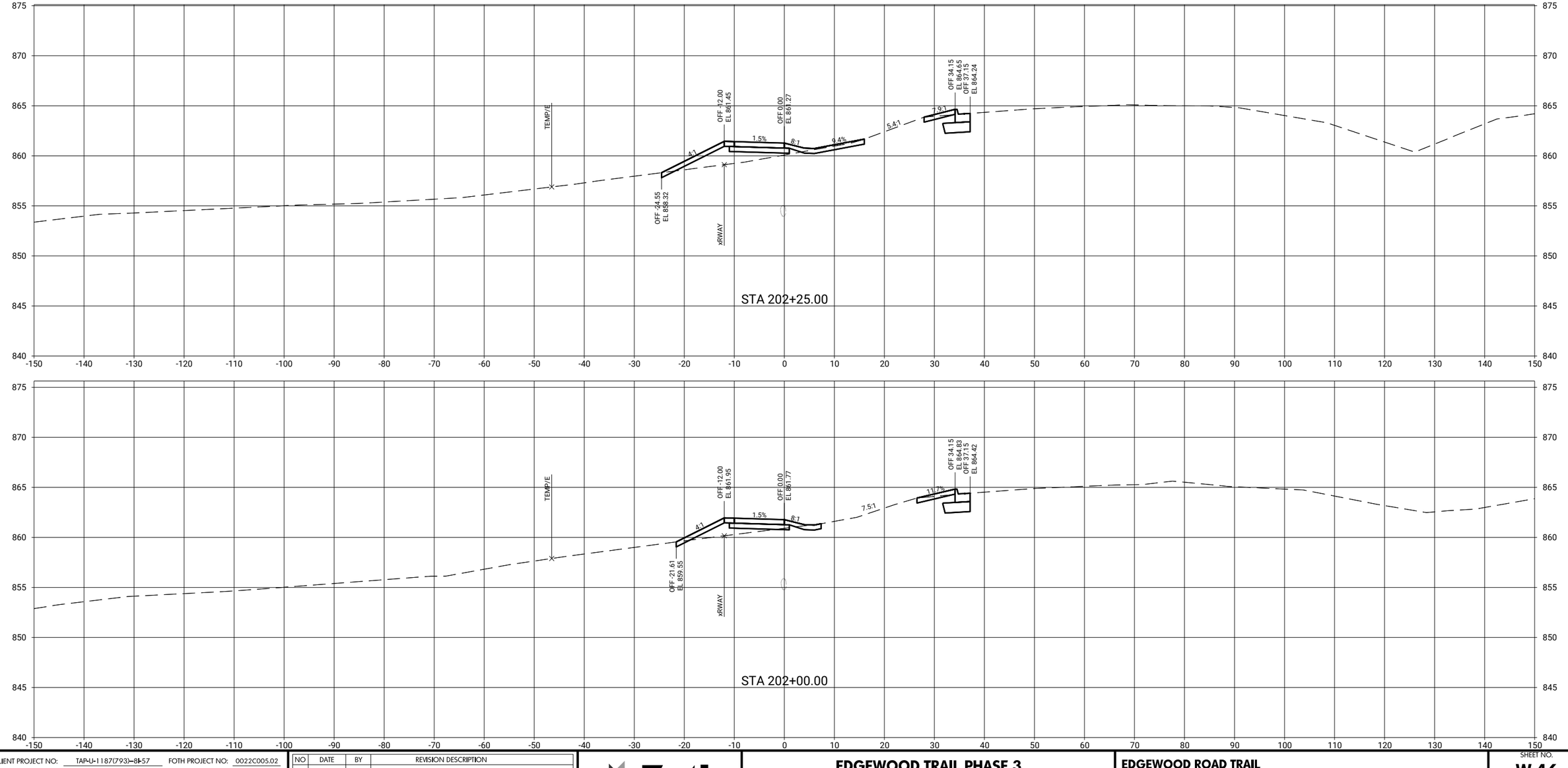
Foth

EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
CROSS SECTIONS

SHEET NO.
W.45
TAP-U-1187(793)--8I-57

pw://foth-pw.bentley.com:foth-pw-01\Documents\Clients\Cedar Rapids PW IA C\Edgewood Road NE Trail Phase 3\CAD\Plans\0022C005.02_W_SHT



pw://foth-pw.bentley.com:foth-pw-01/Documents/Clients/Cedar Rapids PW IA C/Edgewood Road NE Trail Phase 3/CAD/Plans/0022C005.02_W_SHT

CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 3:08:29 PM
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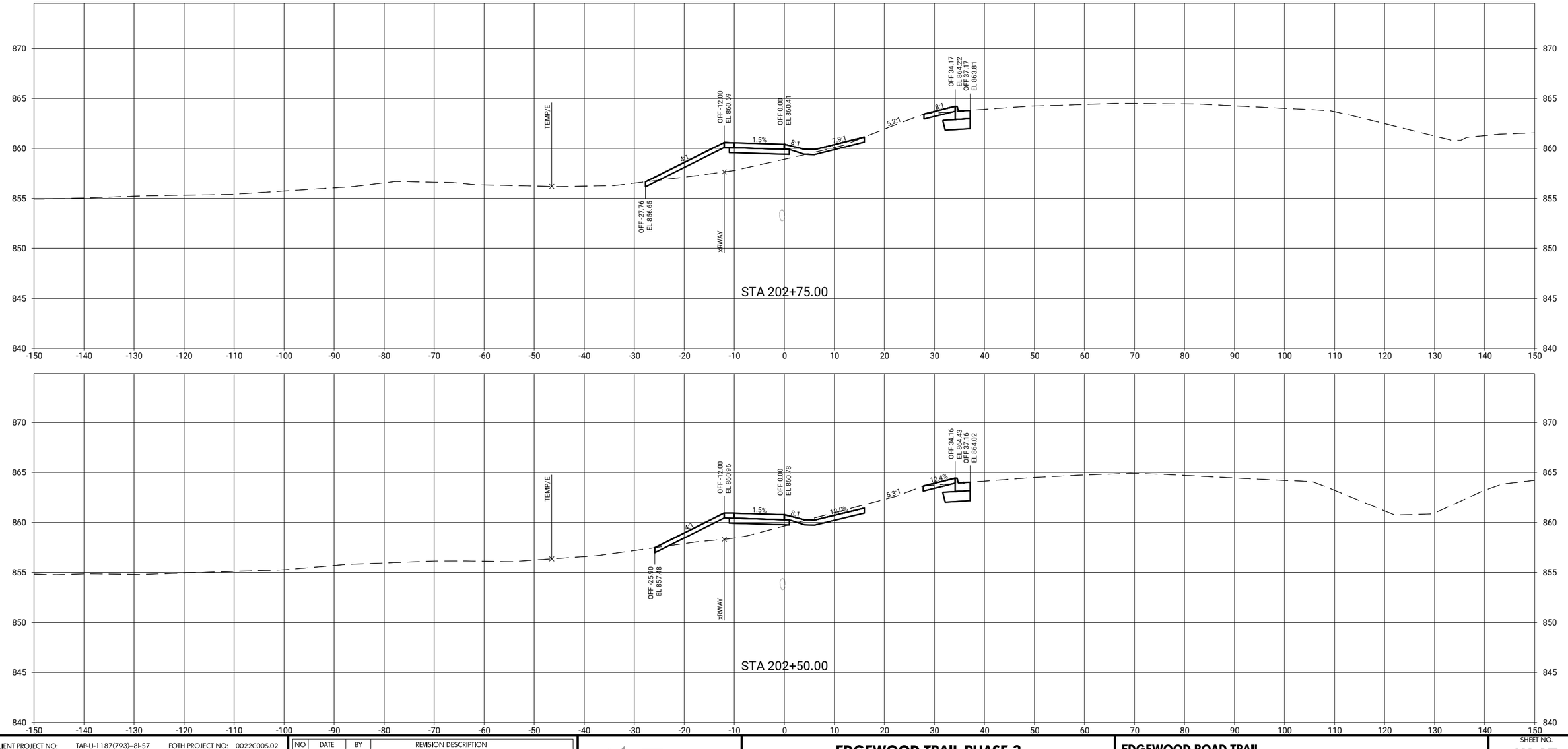
NO	DATE	BY	REVISION DESCRIPTION

Foth

EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
CROSS SECTIONS

SHEET NO.
W.46
TAP-U-1187(793)--8I-57



pw://foth-pw.bentley.com:foth-pw-01\Documents\Clients\Cedar Rapids PW IA CE\Edgewood Road NE Trail Phase 3\CAD\Plans\0022C005.02_W_SHT

CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 3:08:30 PM
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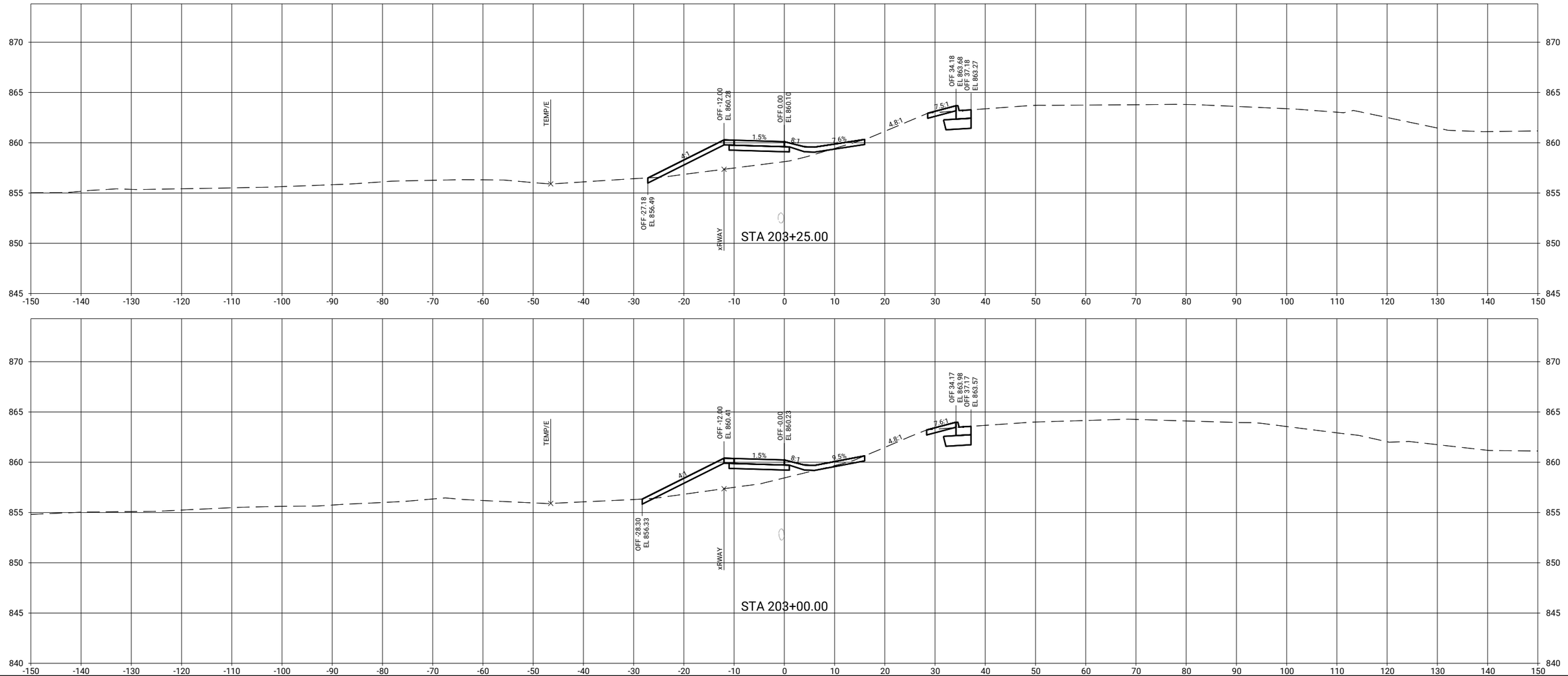
NO	DATE	BY	REVISION DESCRIPTION

Foth

EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
CROSS SECTIONS

SHEET NO.
W.47
TAP-U-1187(793)--8I-57



CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 3:08:31 PM
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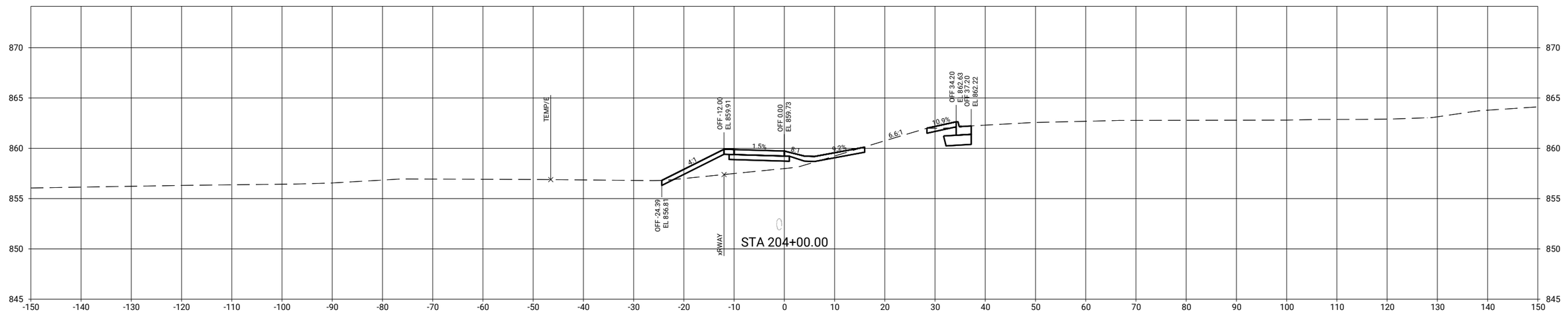
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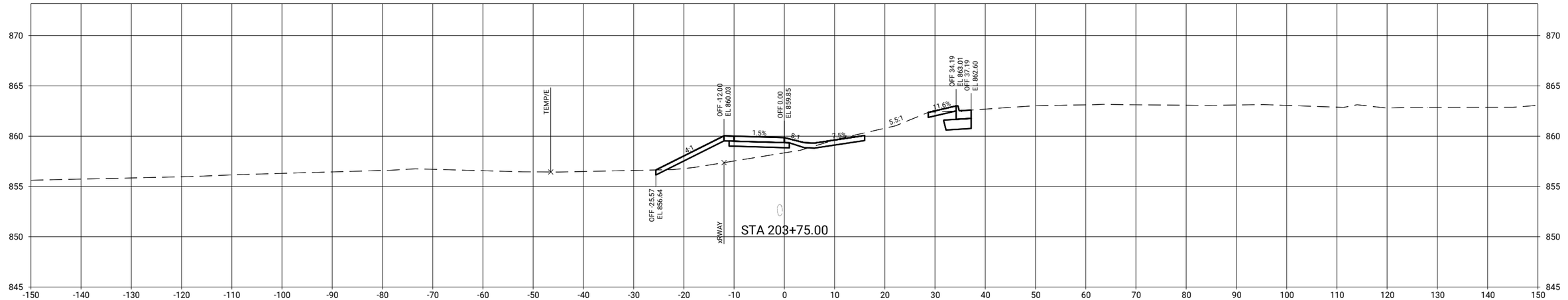
EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

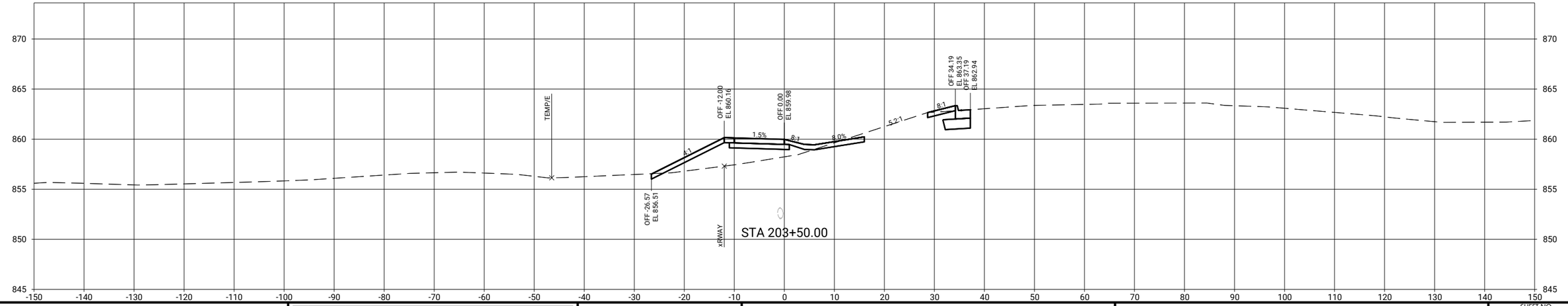
EDGEWOOD ROAD TRAIL
CROSS SECTIONS

SHEET NO.
W.48
TAP-U-1187(793)--8I-57

pw://foth-pw.bentley.com:foth-pw-01\Documents\Clients\Cedar Rapids PW IA C\Edgewood Road NE Trail Phase 3\CAD\Plans\0022C005.02_W_SHT







CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 3:08:32 PM
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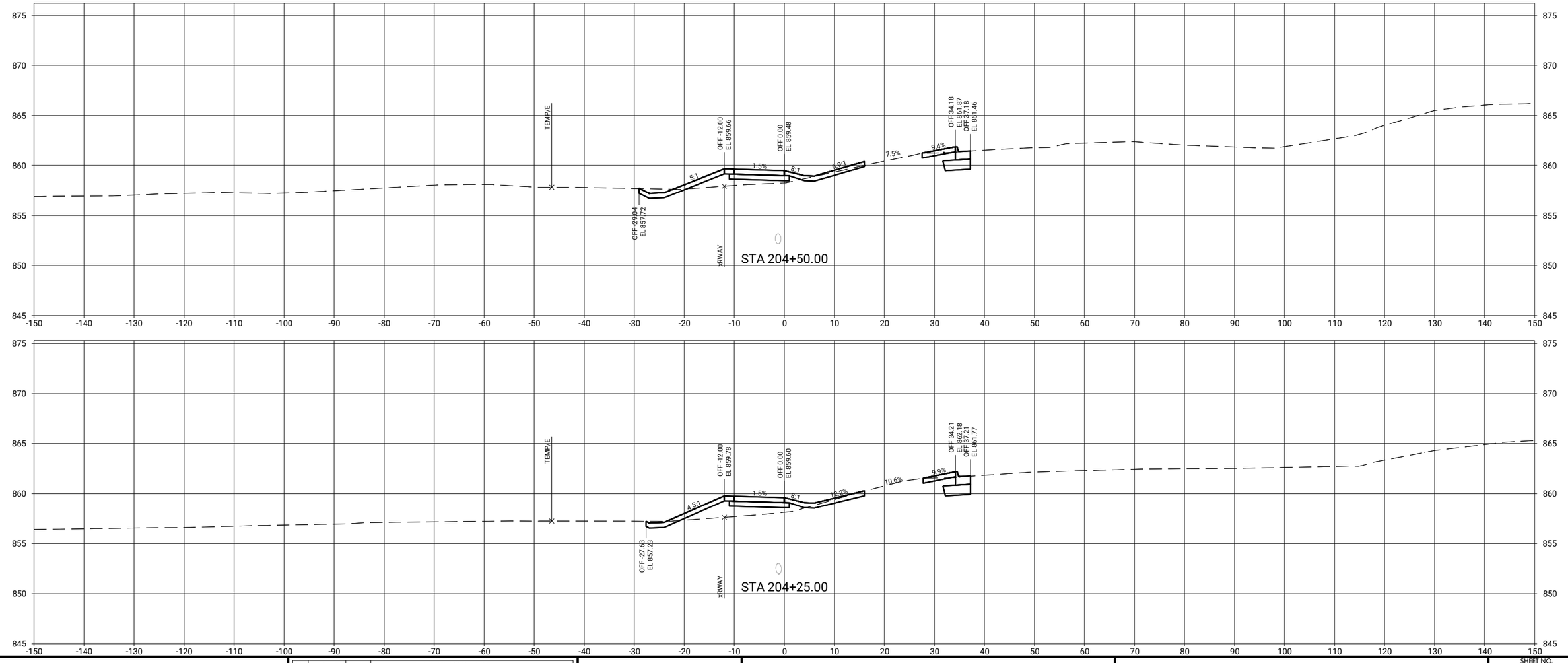
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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
CROSS SECTIONS

SHEET NO.
W.49
TAP-U-1187(793)--8I-57

pw://foth-pw.bentley.com:foth-pw-01\Documents\Clients\Cedar Rapids PW\A C\Edgewood Road NE Trail Phase 3\CAD\Plans\0022C005.02_W_SHT



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CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 3:08:34 PM
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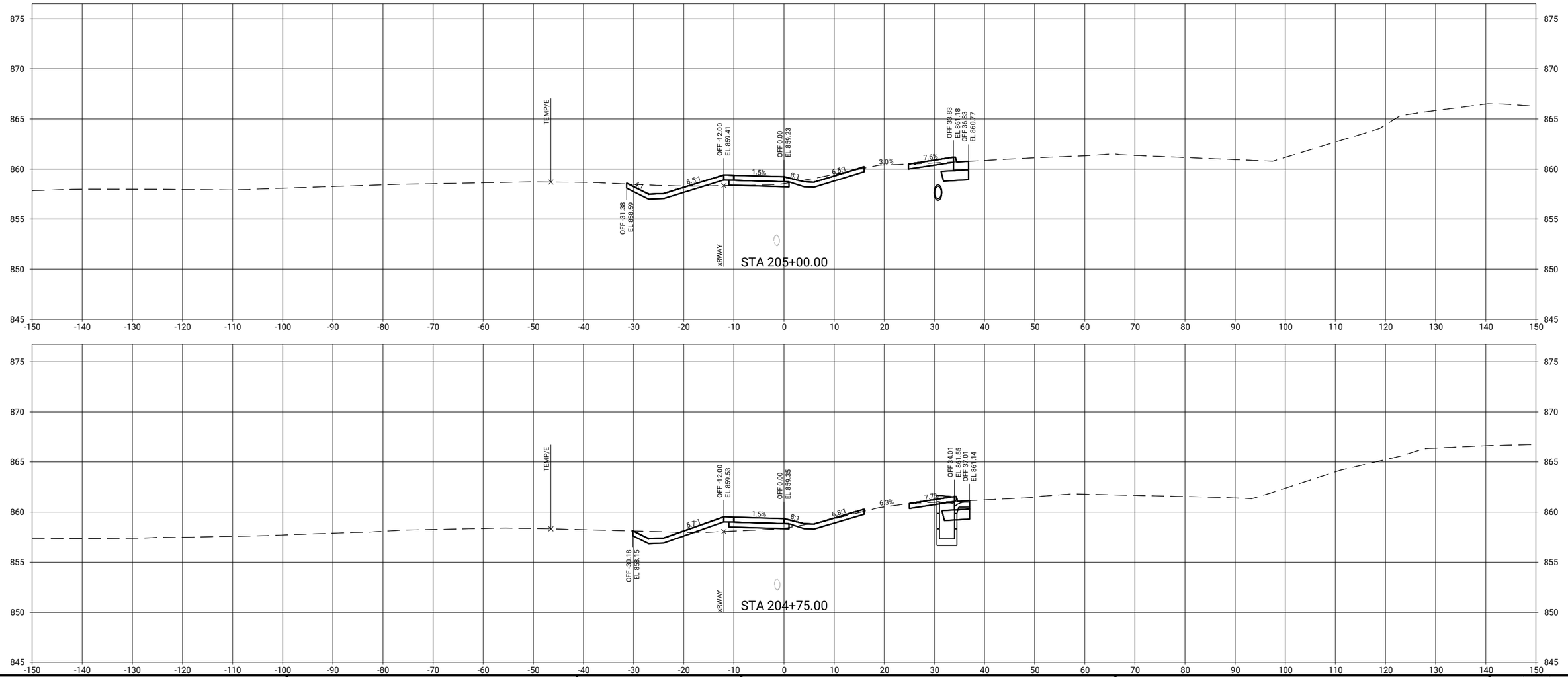
NO	DATE	BY	REVISION DESCRIPTION

Foth

EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
CROSS SECTIONS

SHEET NO.
W.50
TAP-U-1187(793)--8I-57



CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 3:08:35 PM
CAD FILE: c:\pw_workdir\pw_ie\amj3\d0579164\0022C005.02_W_SHT.dgn

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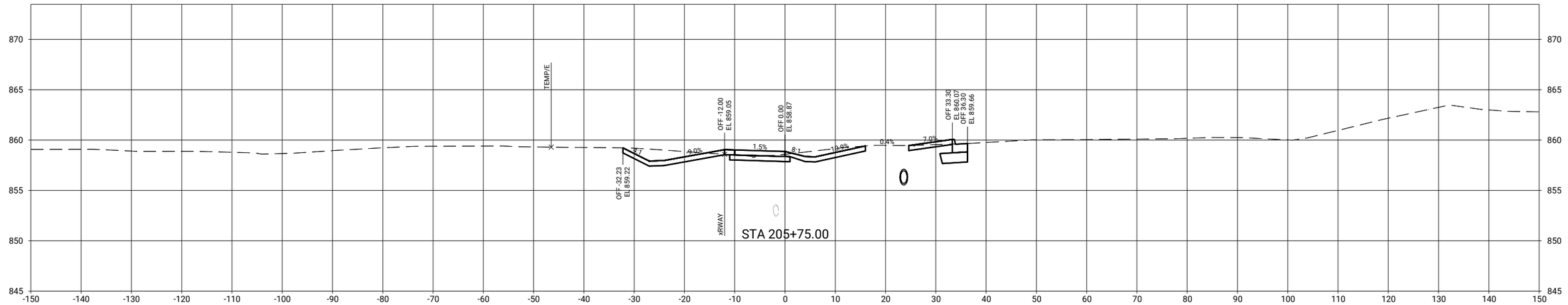
EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE

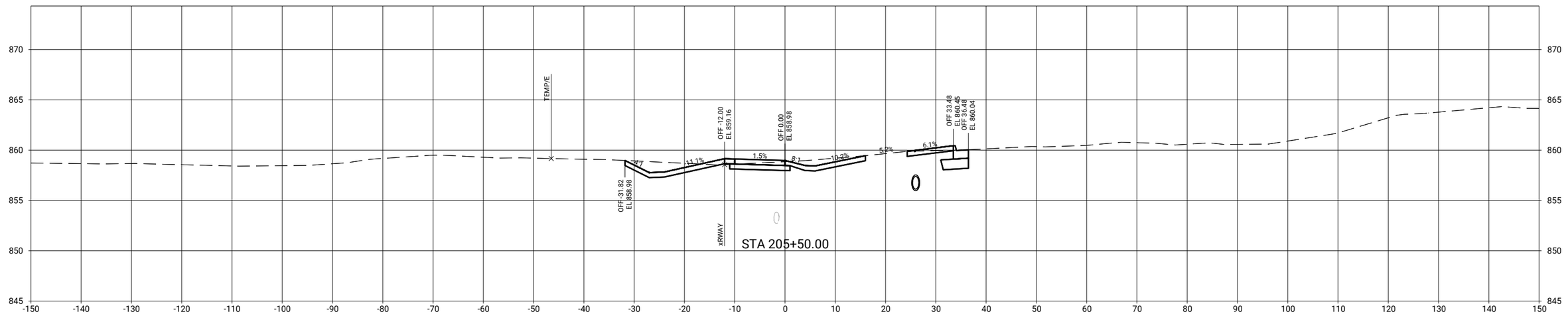
CEDAR RAPIDS, IA

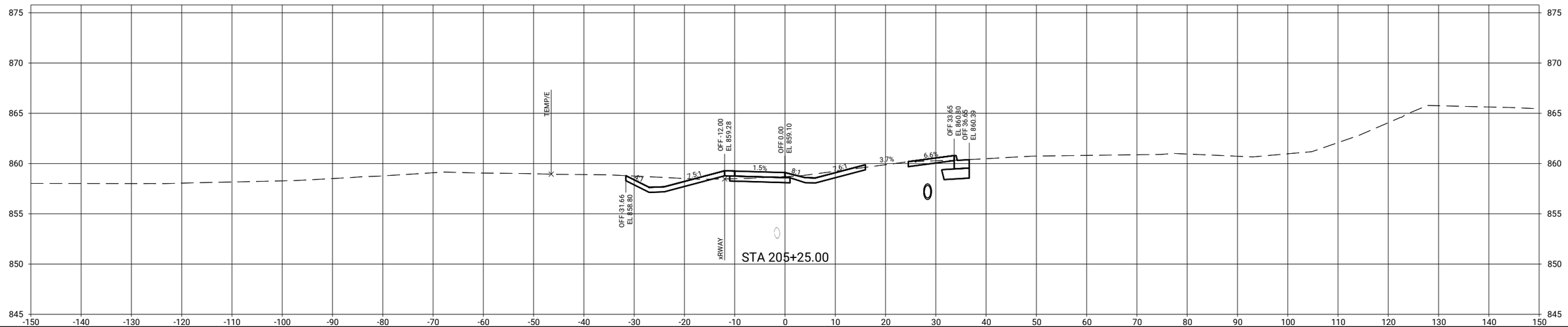
EDGEWOOD ROAD TRAIL
CROSS SECTIONS

SHEET NO.
W.51
TAP-U-1187(793)--8I-57

pw://foth-pw.bentley.com:foth-pw-01/Documents/Clients/Cedar Rapids PW IA C/Edgewood Road NE Trail Phase 3/CAD/Plans/0022C005.02_W_SHT







CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 3:08:36 PM
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NO	DATE	BY	REVISION DESCRIPTION

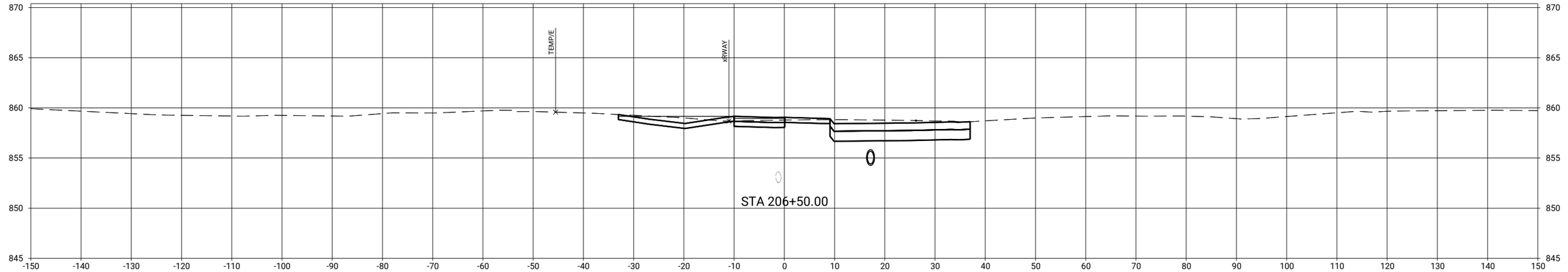
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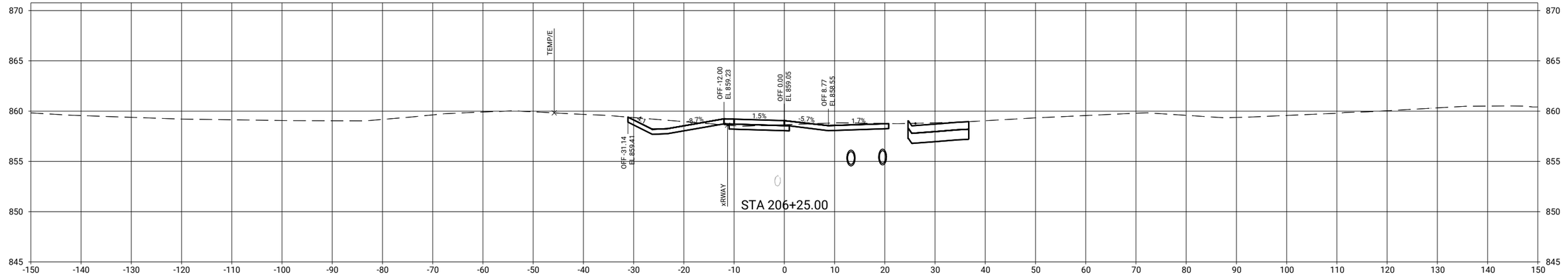
EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

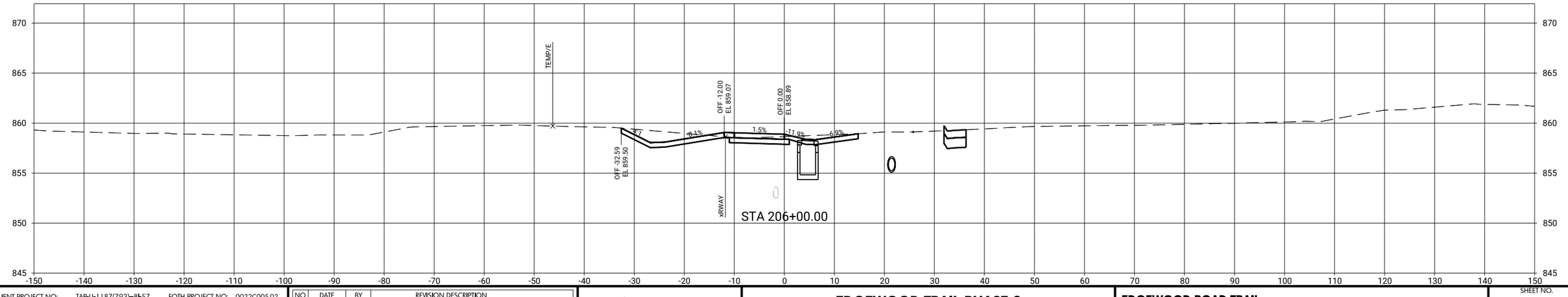
EDGEWOOD ROAD TRAIL
CROSS SECTIONS

SHEET NO.
W.52
TAP-U-1187(793)--8I-57

pw://foth-pw.bentley.com:foth-pw-01/Documents/Clients/Cedar Rapids PW IA C/Edgewood Road NE Trail Phase 3/CAD/Plans/0022C005.02_W_SHT







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CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 3:08:38 PM
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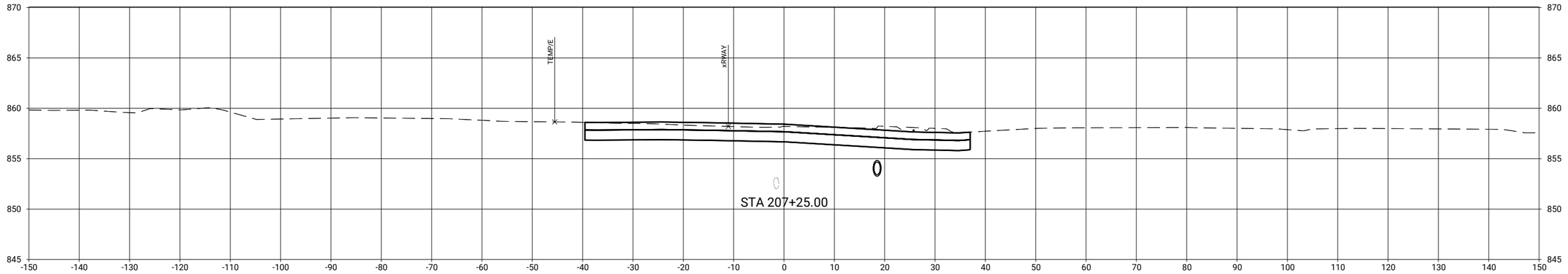
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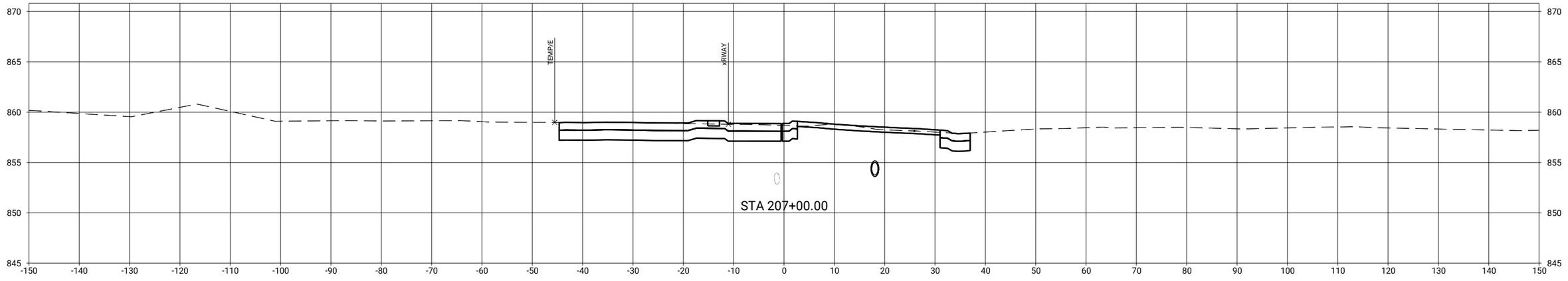
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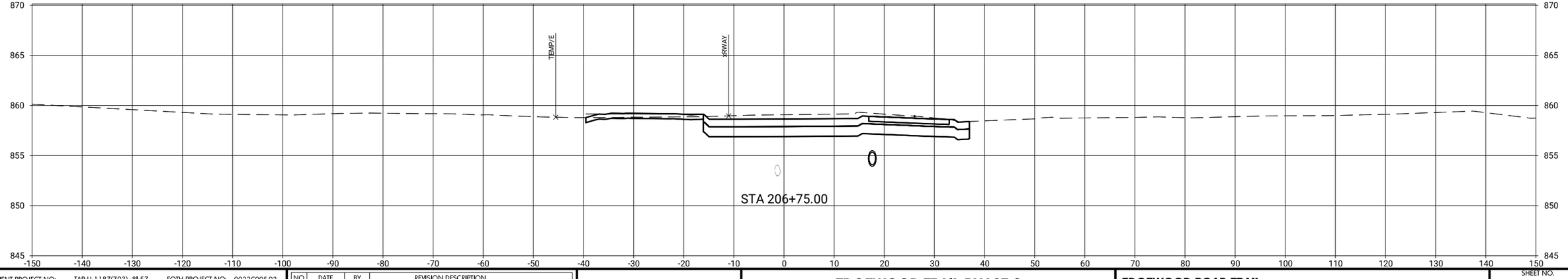
EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
CROSS SECTIONS

SHEET NO.
W.53
TAP-U-1187(793)--8I-57







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CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 3:08:39 PM
CAD FILE: c:\pw_workdir\pw_ie\amj3\d05791641\0022C005.02_W_SHT.dgn

NO	DATE	BY	REVISION DESCRIPTION

Foth

EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE

CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
CROSS SECTIONS

SHEET NO.
W.54
TAP-U-1187(793)--8I-57

CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 3:08:40 PM
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NO	DATE	BY	REVISION DESCRIPTION

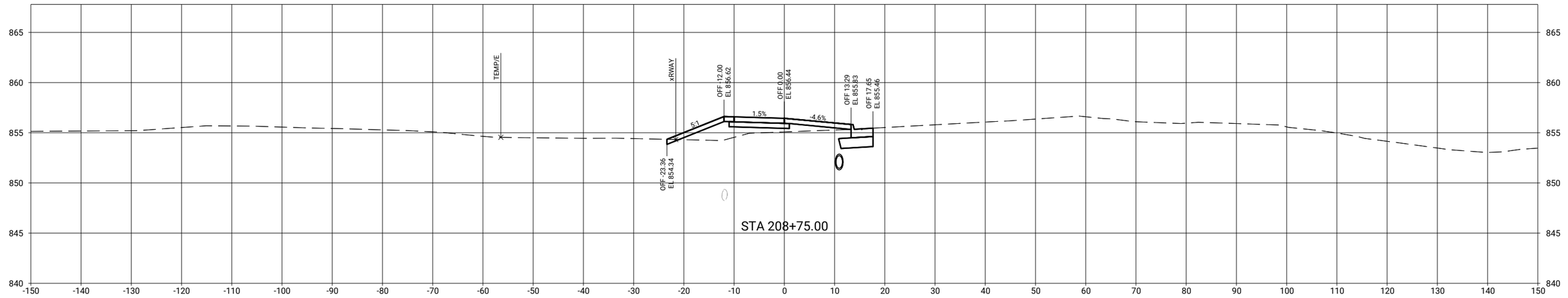
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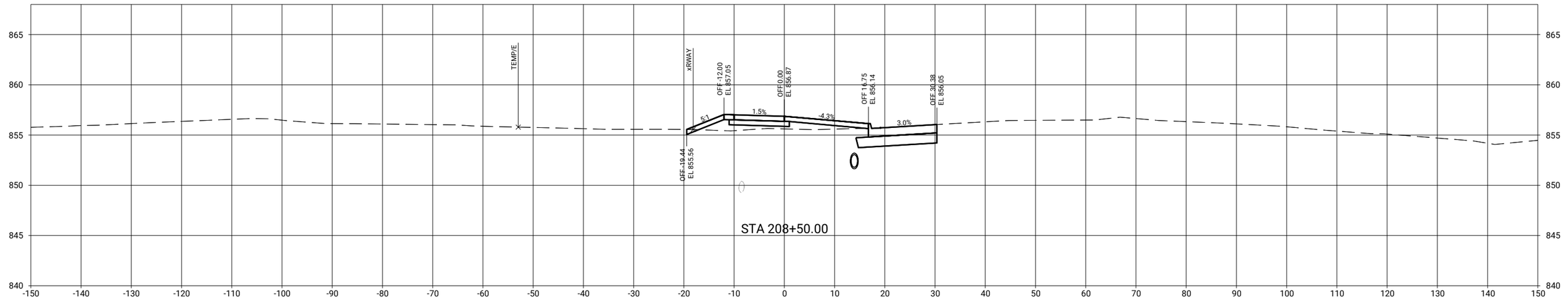
EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

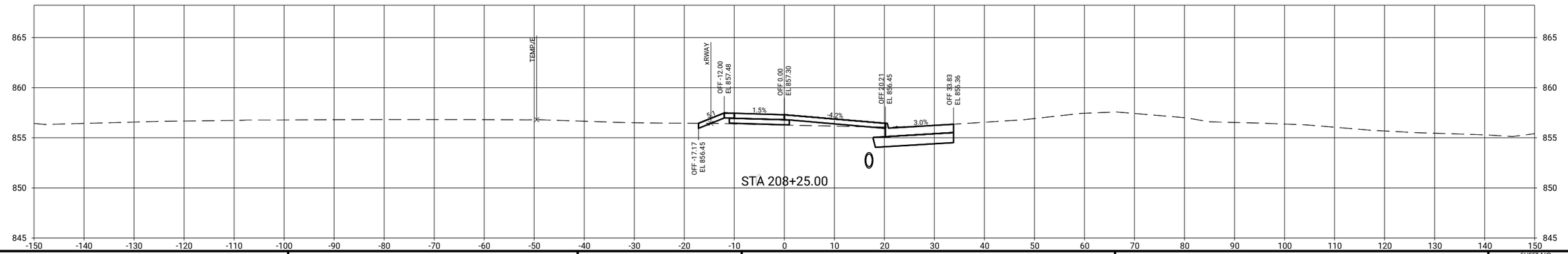
EDGEWOOD ROAD TRAIL
CROSS SECTIONS

SHEET NO.
W.55
TAP-U-1187(793)--8I-57

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CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 3:08:42 PM
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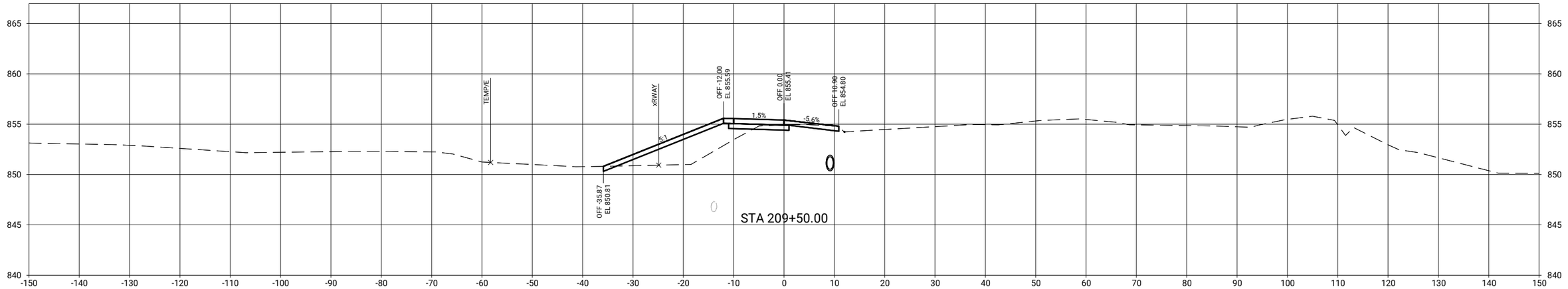
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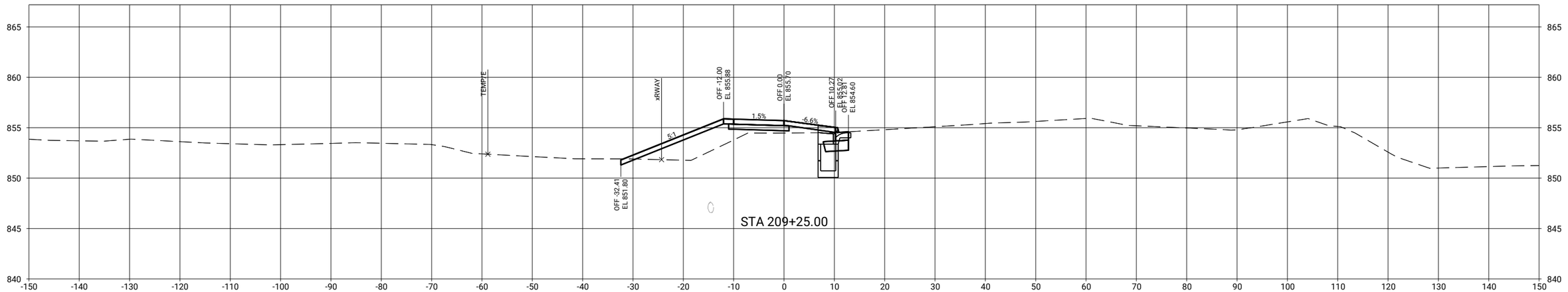
EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

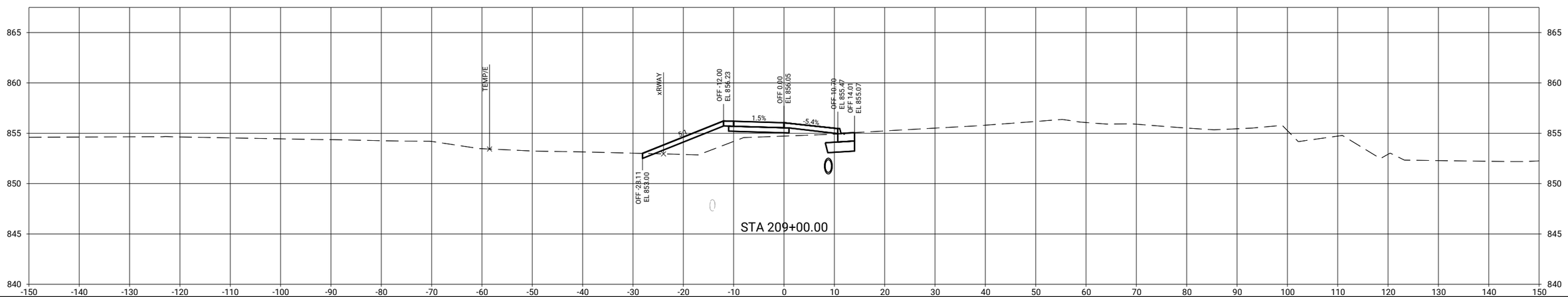
EDGEWOOD ROAD TRAIL
CROSS SECTIONS

SHEET NO.
W.56
TAP-U-1187(793)--8I-57

pw://foth-pw.bentley.com:foth-pw-01/Documents/Clients/Cedar Rapids PW IA C/Edgewood Road NE Trail Phase 3/CAD/Plans/0022C005.02_W_SHT







CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 3:08:43 PM
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NO	DATE	BY	REVISION DESCRIPTION

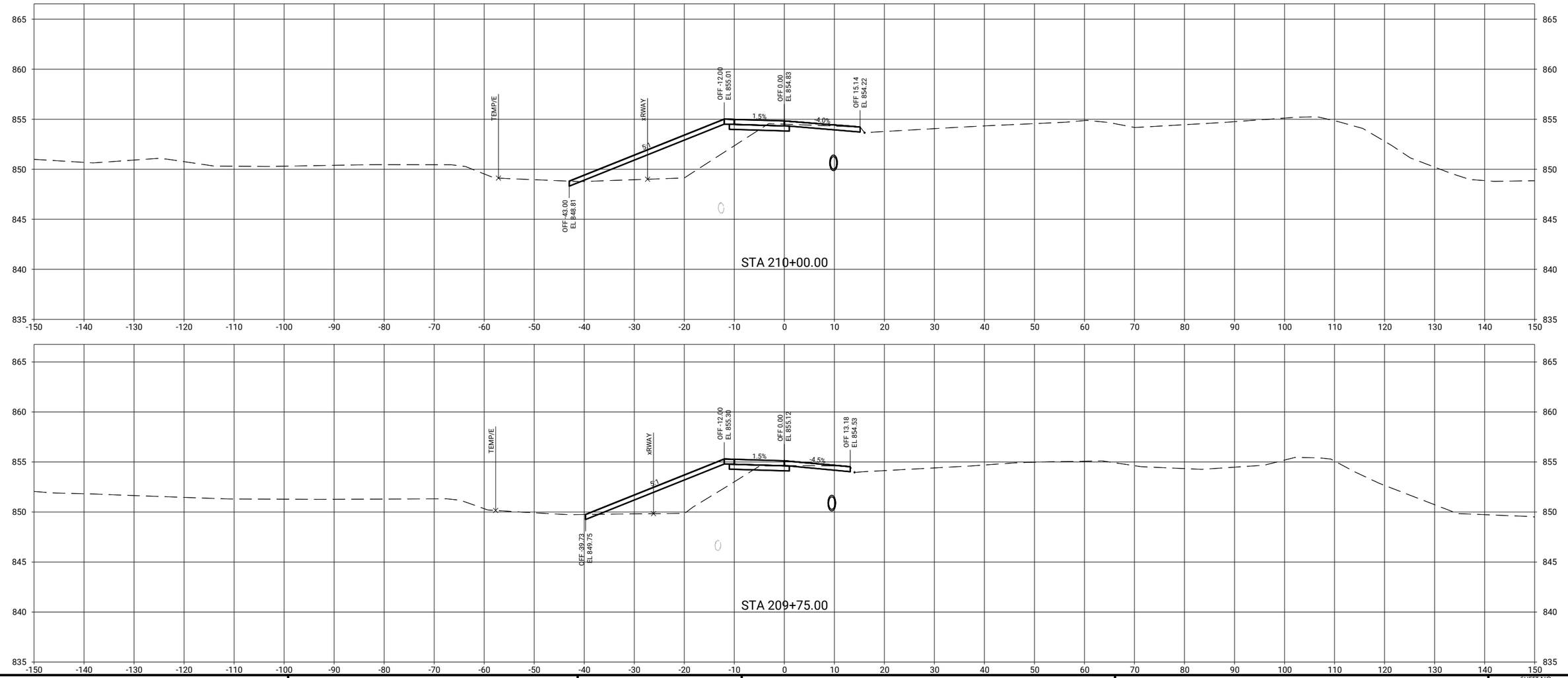
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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
CROSS SECTIONS

SHEET NO.
W.57
TAP-U-1187(793)--8I-57

pw://foth-pw.bentley.com:foth-pw-01/Documents/Clients/Cedar Rapids PW IA C/Edgewood Road NE Trail Phase 3/CAD/Plans/0022C005.02_W_SHT



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CLIENT PROJECT NO: TAP-U-1187(793)--81-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 3:08:44 PM
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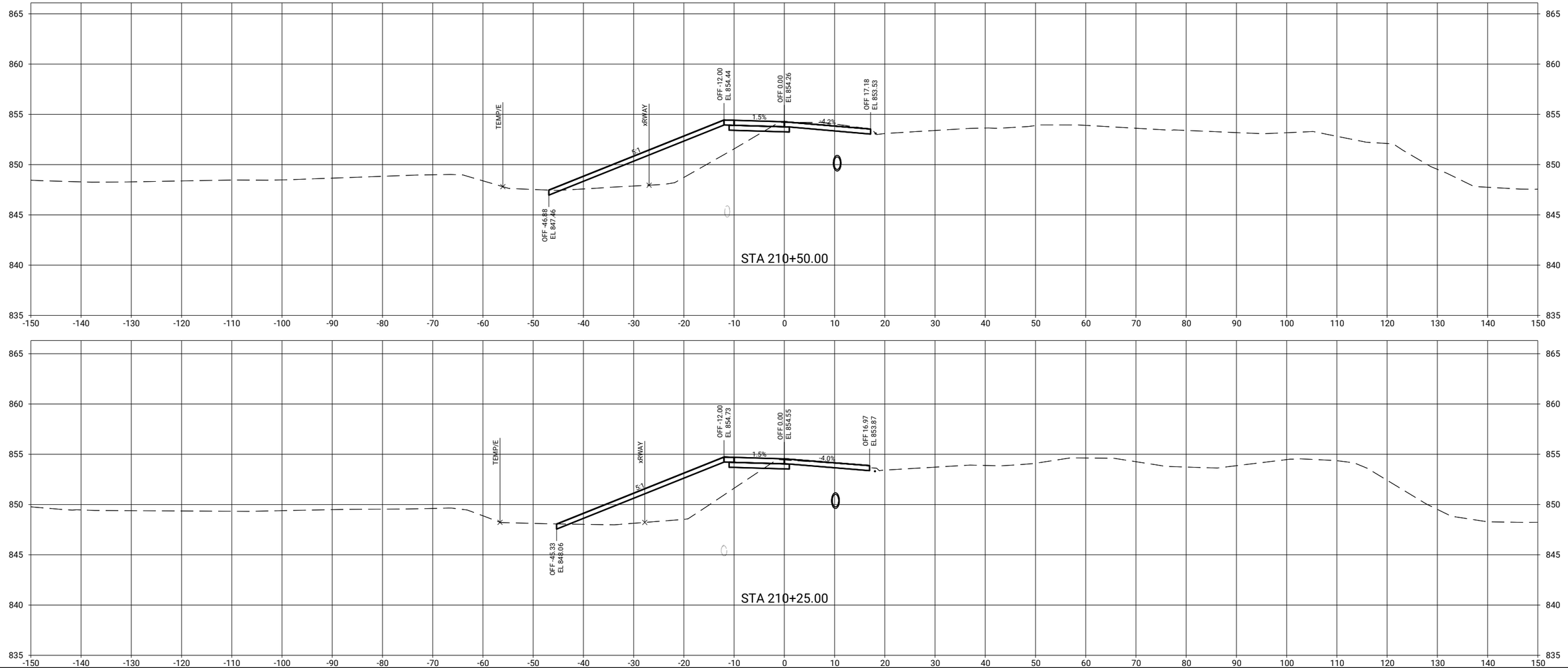
NO	DATE	BY	REVISION DESCRIPTION

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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
CROSS SECTIONS

SHEET NO.
W.58
TAP-U-1187(793)--81-57



pw://foth-pw.bentley.com:foth-pw01/Documents/Clients/Cedar Rapids PW IA C/Edgewood Road NE Trail Phase 3/CAD/Plans/0022C005.02_W_SHT

CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 3:08:45 PM
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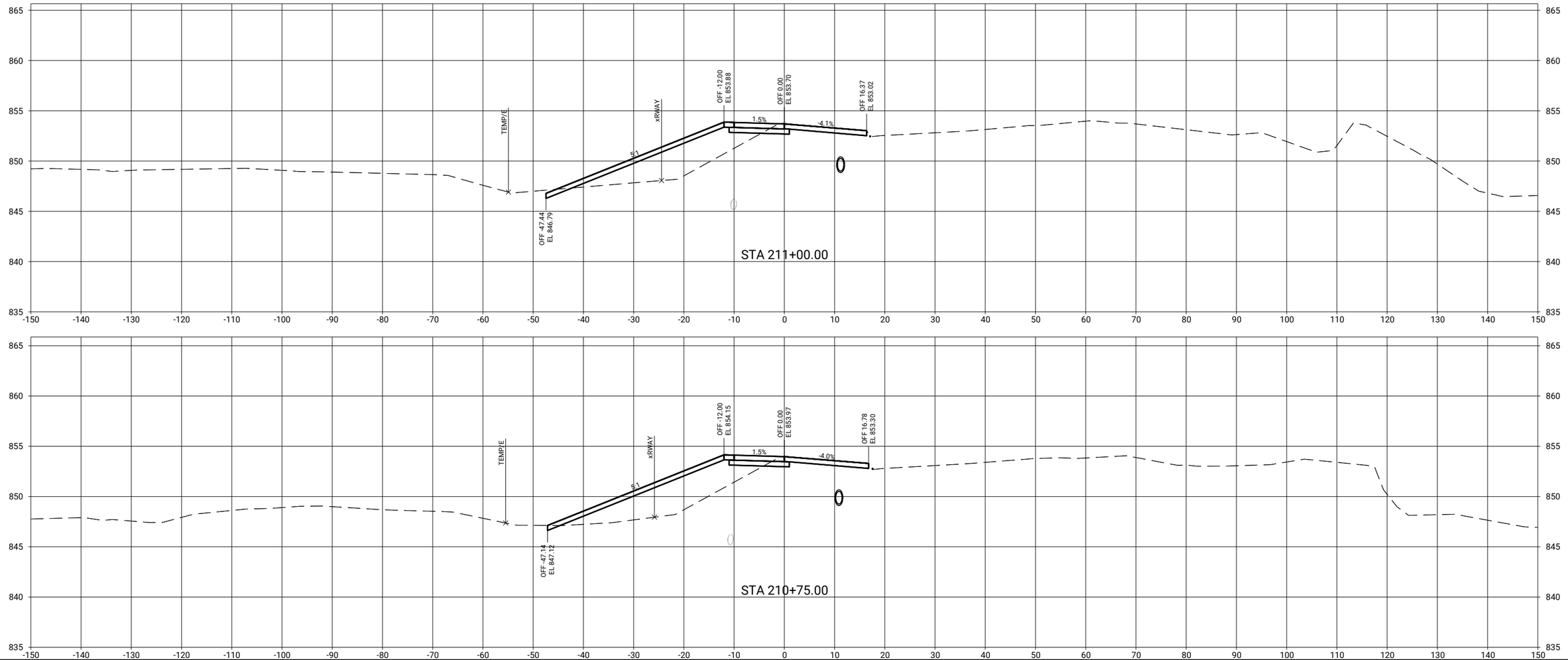
NO	DATE	BY	REVISION DESCRIPTION

Foth

EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
CROSS SECTIONS

SHEET NO.
W.59
TAP-U-1187(793)--8I-57



pw://foth-pw.bentley.com:foth-pw-01/Documents/Clients/Cedar Rapids PW IA C/Edgewood Road NE Trail Phase 3/CAD/Plans/0022C005.02_W_SHT

CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
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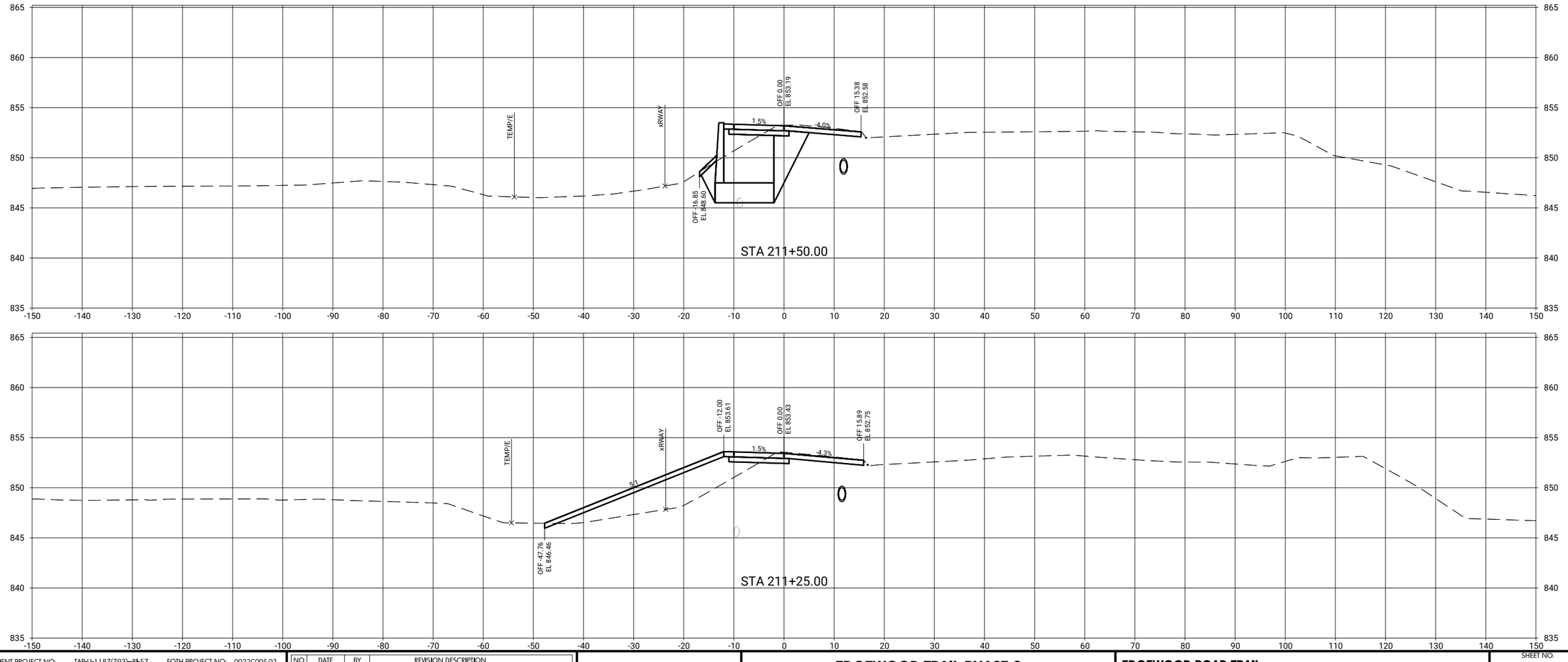
NO	DATE	BY	REVISION DESCRIPTION

Foth

EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
CROSS SECTIONS

SHEET NO.
W.60
TAP-U-1187(793)--8I-57



pw://foth-pw.bentley.com:foth-pw-01/Documents/Clients/Cedar Rapids PW IA C/Edgewood Road NE Trail Phase 3/CAD/Plans/0022C005.02_W_SHT

CLIENT PROJECT NO:	TAP-U-1187(793)--8I-57	FOTH PROJECT NO:	0022C005.02
DESIGNED BY:	K. WOLLNER	CHECKED BY:	C. CARPER
DRAWN BY:	K. WOLLNER		
LETTING DATE:	9/15/2026	CAD DATE:	6/15/2026 3:08:48 PM
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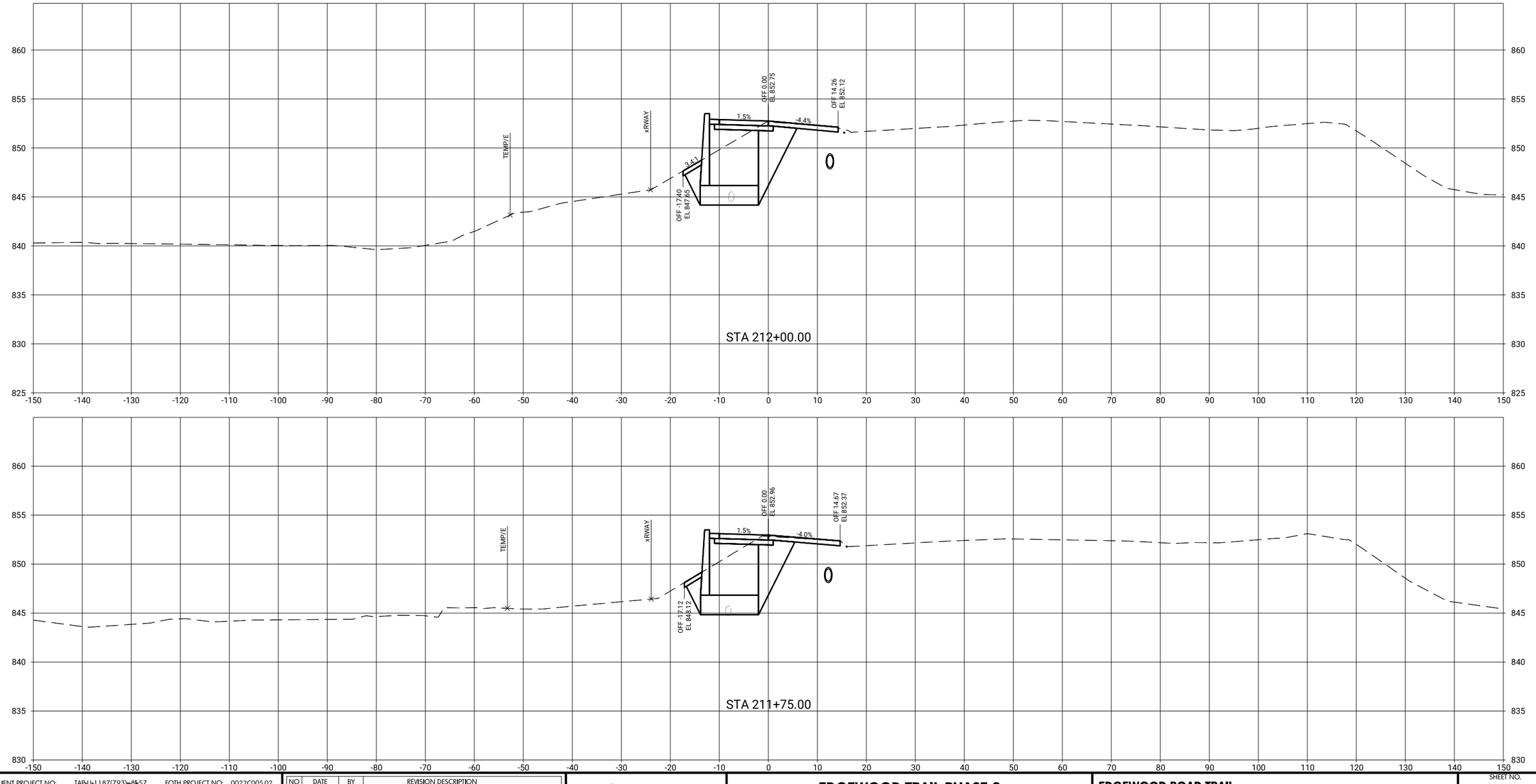
NO	DATE	BY	REVISION DESCRIPTION

Foth

EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
CROSS SECTIONS

SHEET NO.
W.61
TAP-U-1187(793)--8I-57



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CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 3:08:49 PM
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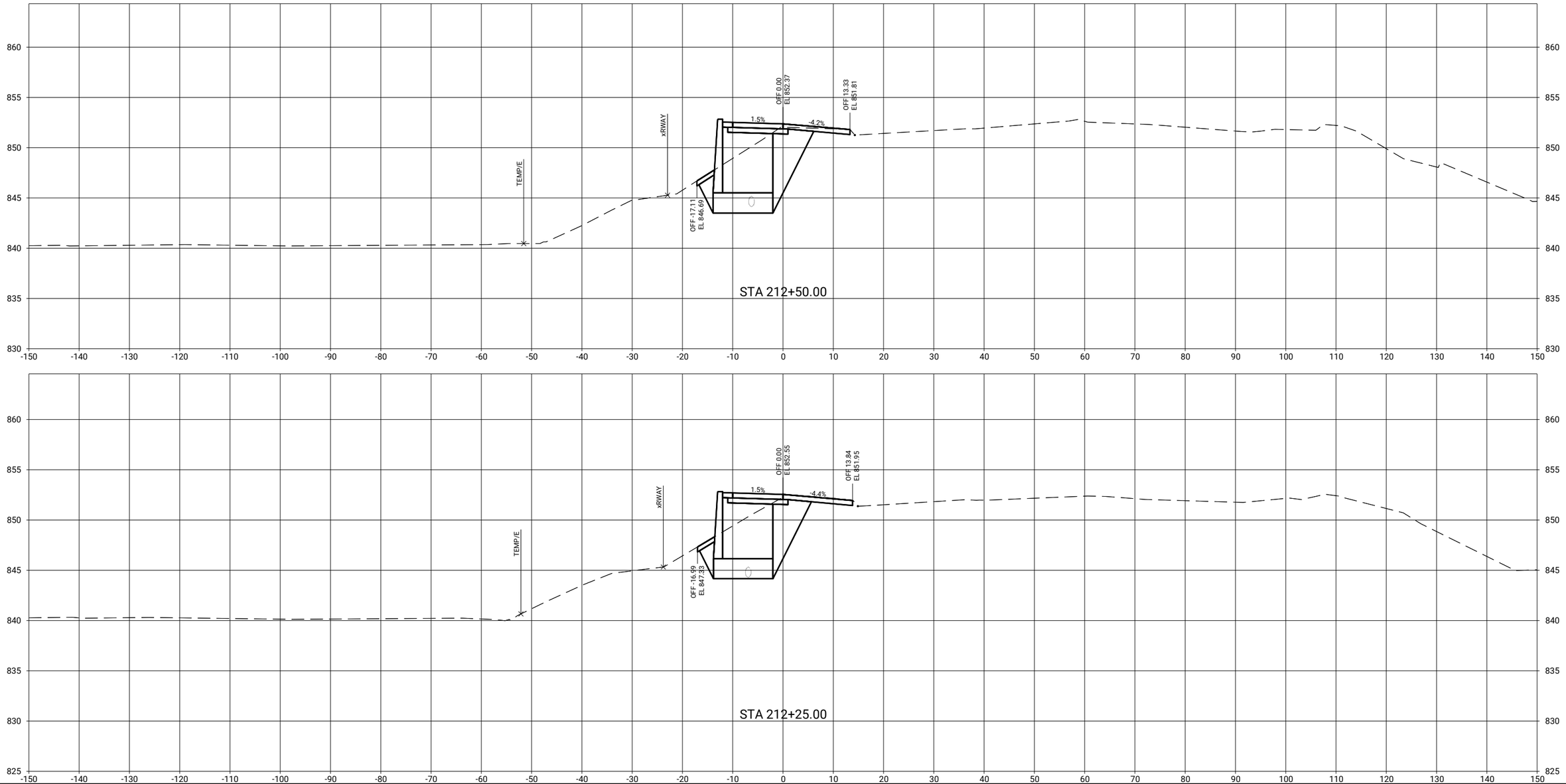
NO	DATE	BY	REVISION DESCRIPTION

Foth

EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
CROSS SECTIONS

SHEET NO.
W.62
TAP-U-1187(793)--8I-57



pw://foth-pw.bentley.com:foth-pw-01/Documents/Clients/Cedar Rapids PW IA CE/Edgewood Road NE Trail Phase 3/CADPlans/0022C005.02_W_SHT

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DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
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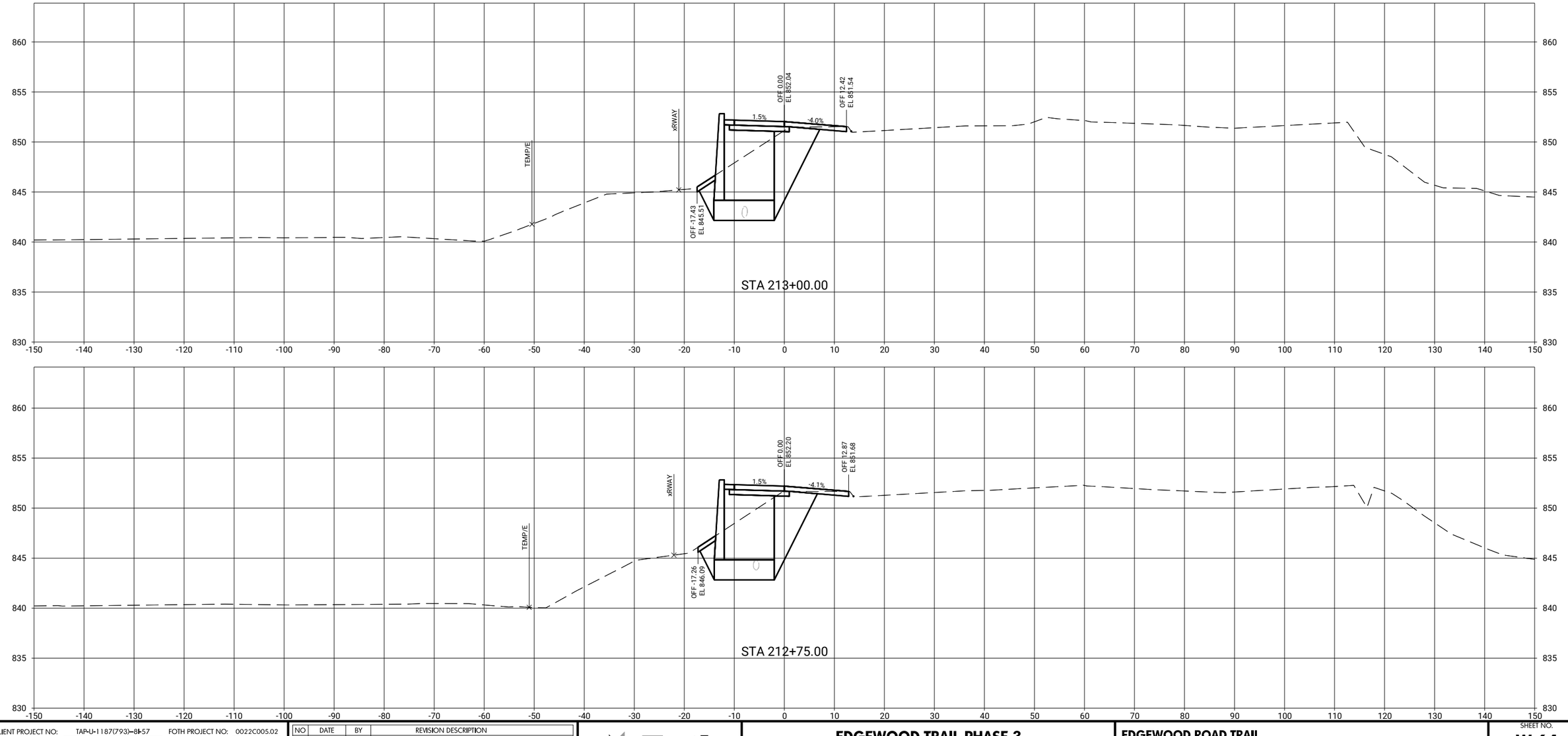
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Foth

EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
CROSS SECTIONS

SHEET NO.
W.63
TAP-U-1187(793)--8I-57



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CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
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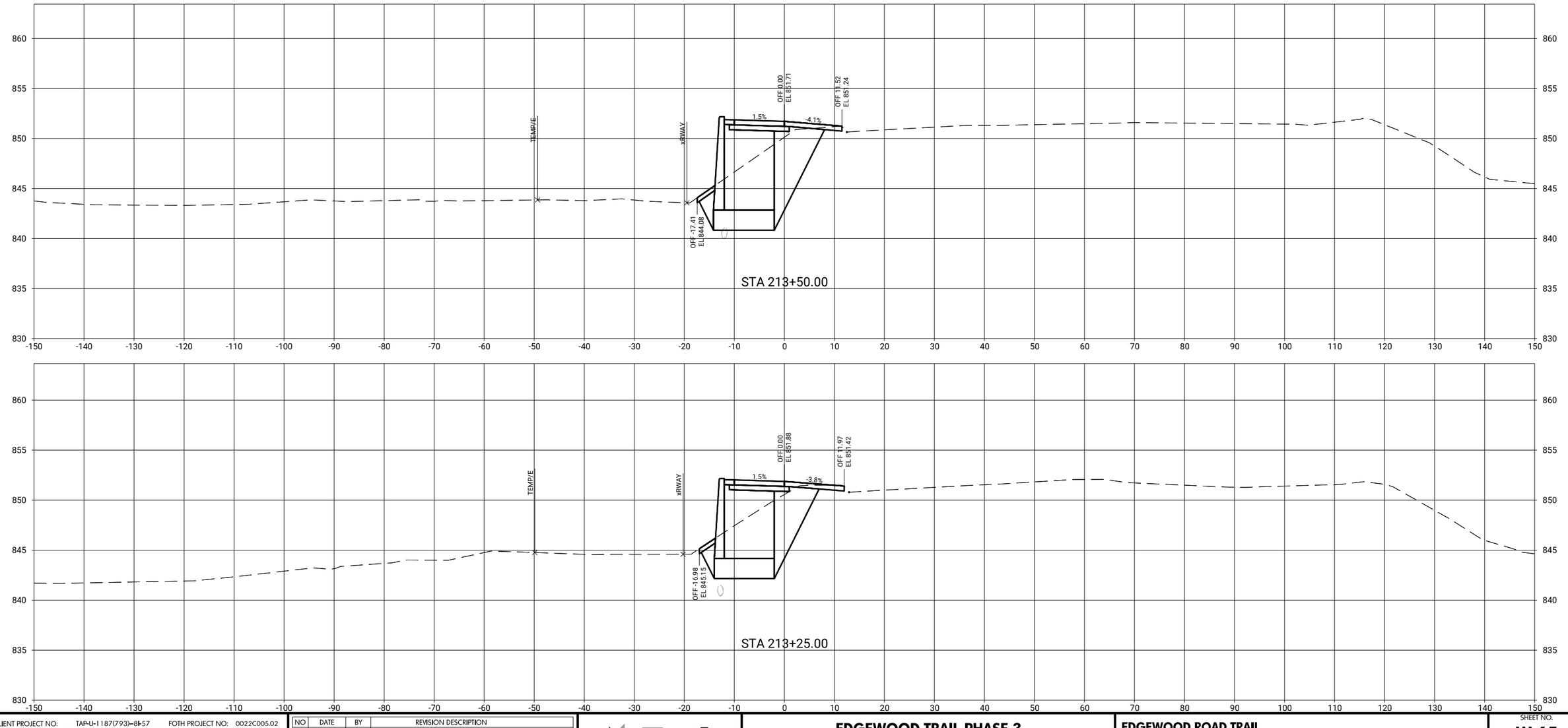
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Foth

EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
CROSS SECTIONS

SHEET NO.
W.64
TAP-U-1187(793)--8I-57



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CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
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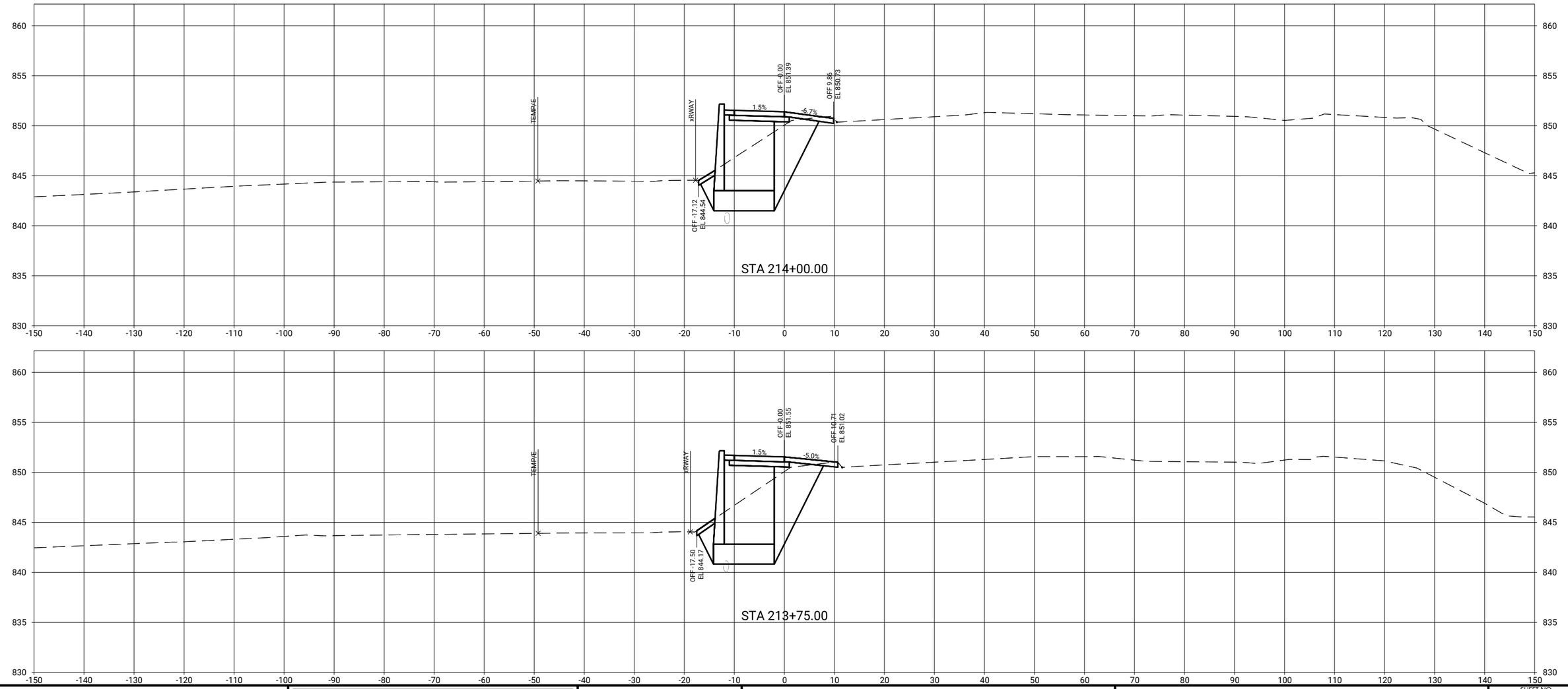
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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
CROSS SECTIONS

SHEET NO.
W.65
TAP-U-1187(793)--8I-57



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CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
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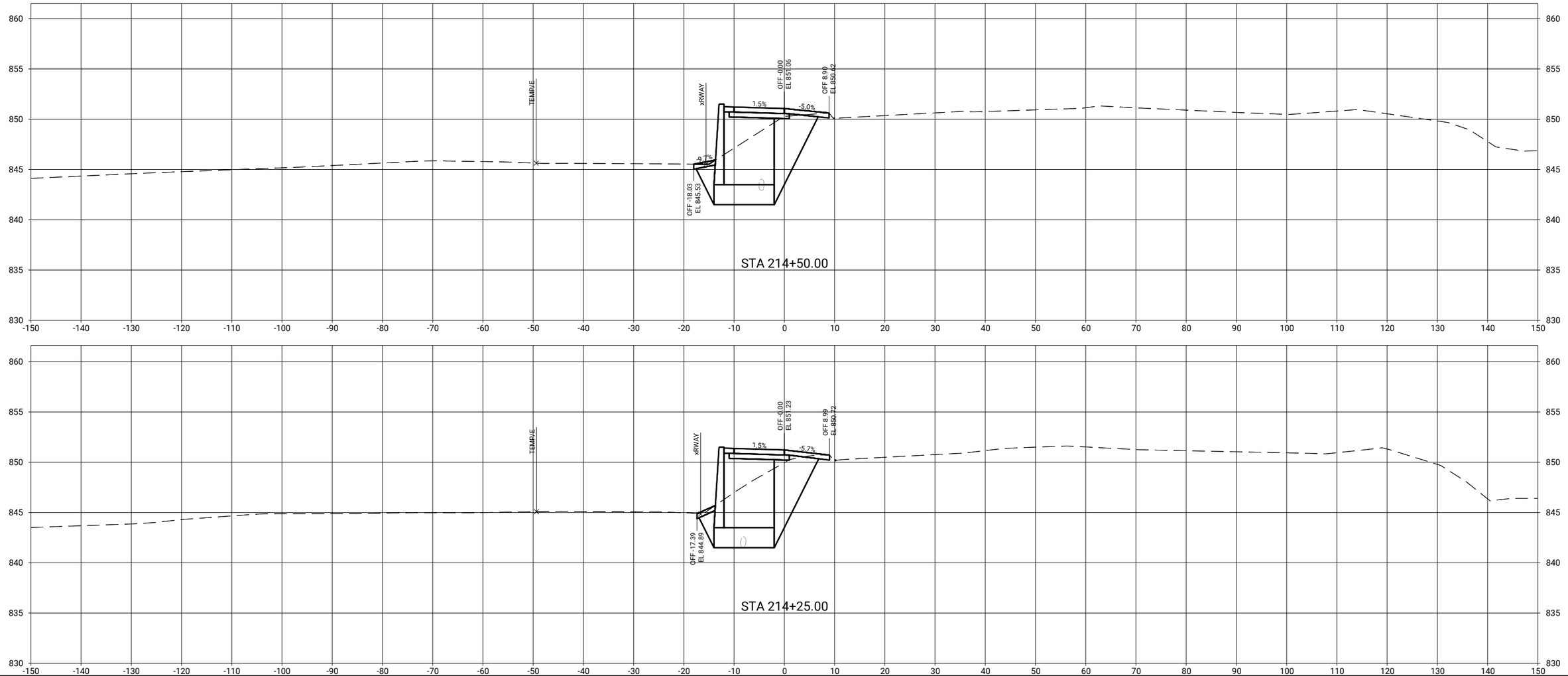
NO	DATE	BY	REVISION DESCRIPTION

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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
CROSS SECTIONS

SHEET NO.
W.66
TAP-U-1187(793)--8I-57



pw://foth-pw.bentley.com:foth-pw-01/Documents/Clients/Cedar Rapids PW IA C/Edgewood Road NE Trail Phase 3/CAD/Plans/0022C005.02_W_SHT

CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 3:08:56 PM
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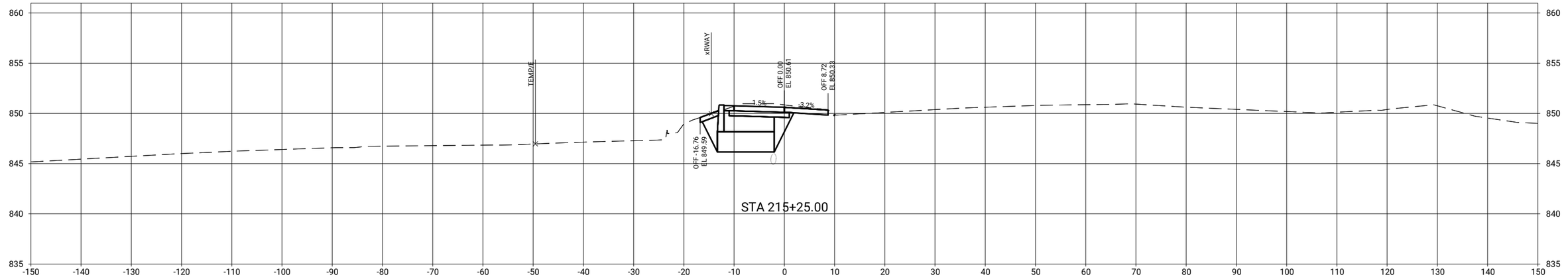
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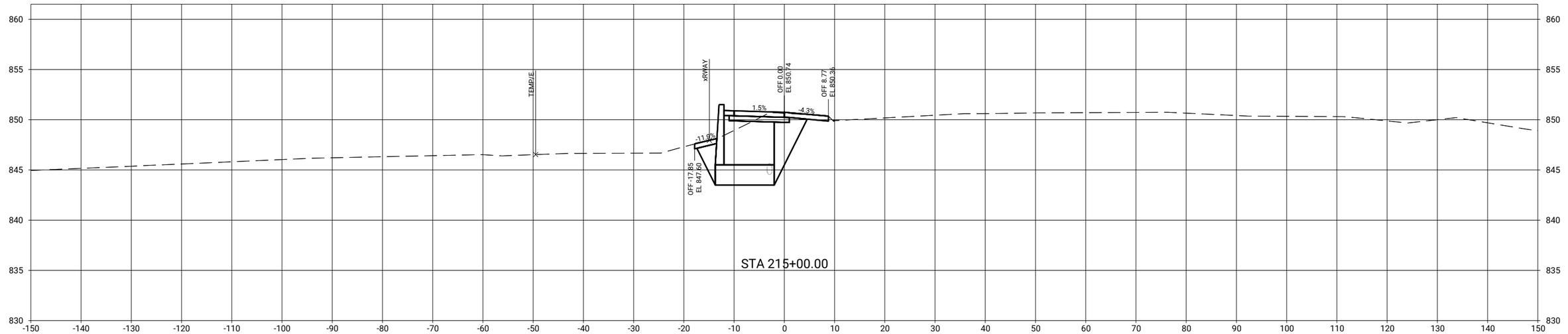
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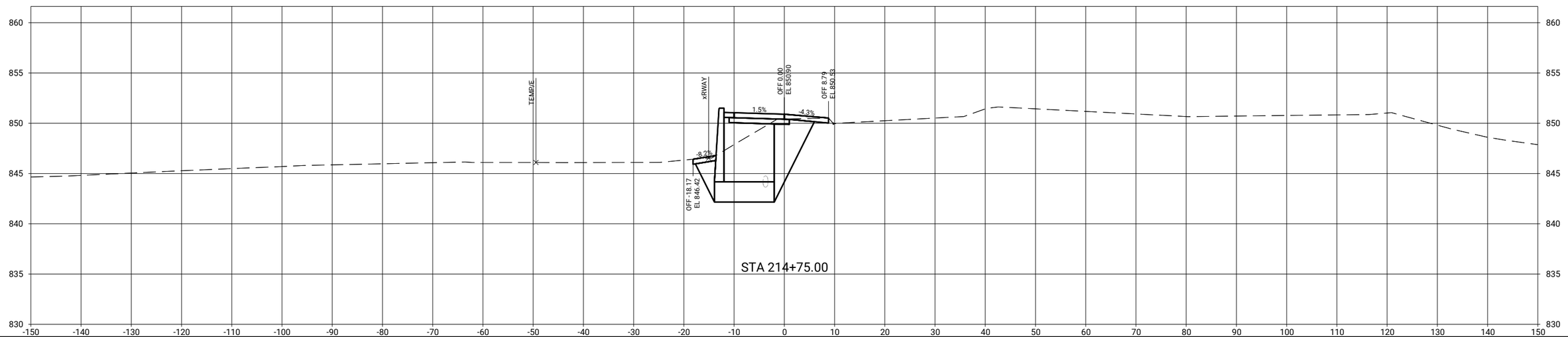
EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
CROSS SECTIONS

SHEET NO.
W.67
TAP-U-1187(793)--8I-57







CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 3:08:57 PM
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NO	DATE	BY	REVISION DESCRIPTION

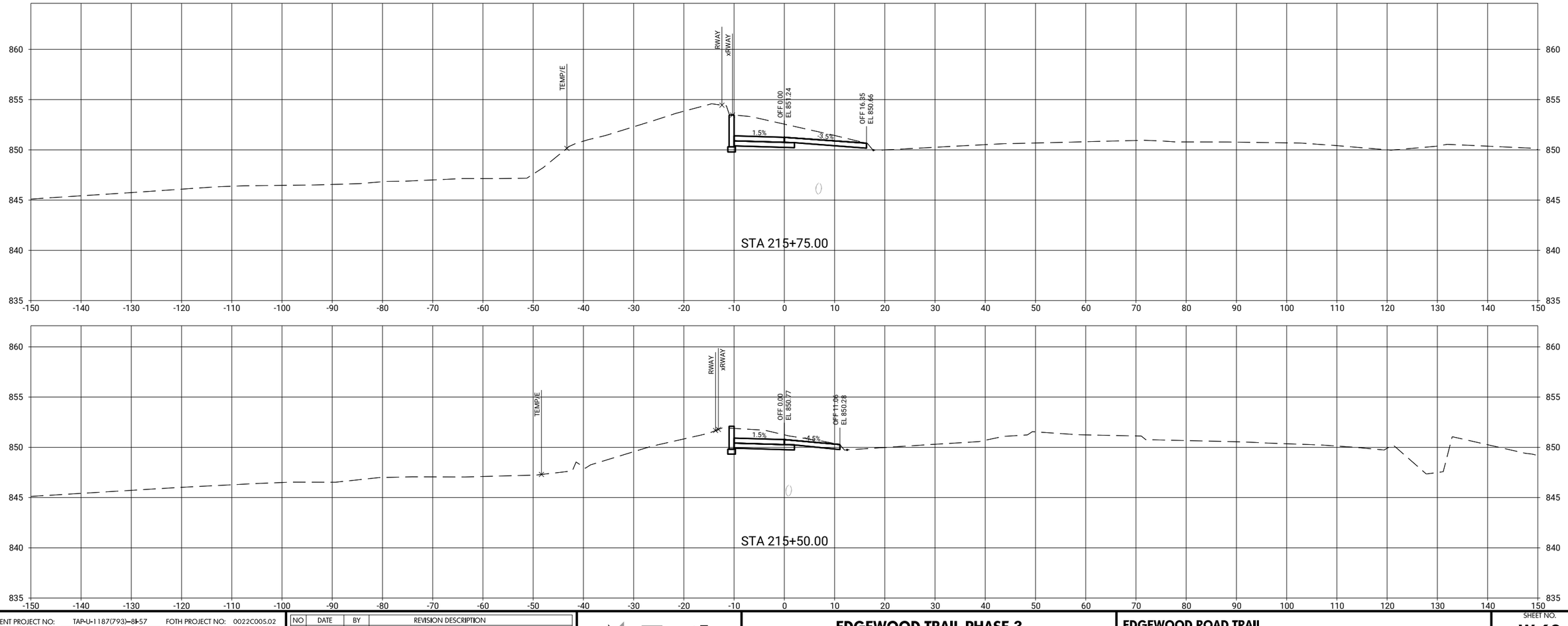
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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
CROSS SECTIONS

SHEET NO.
W.68
TAP-U-1187(793)--8I-57

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CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
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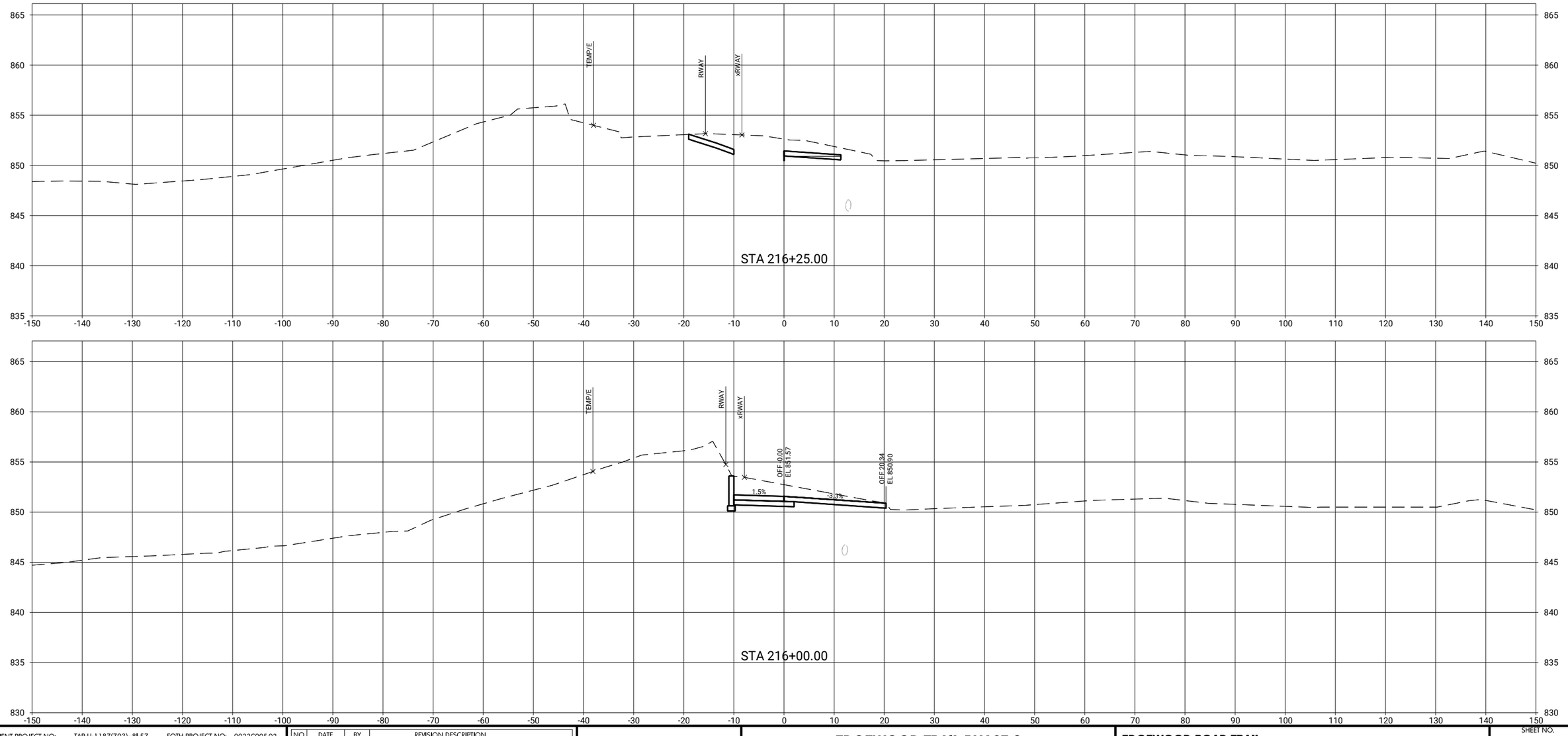
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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE

CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
CROSS SECTIONS

SHEET NO.
W.69
TAP-U-1187(793)--8I-57



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CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
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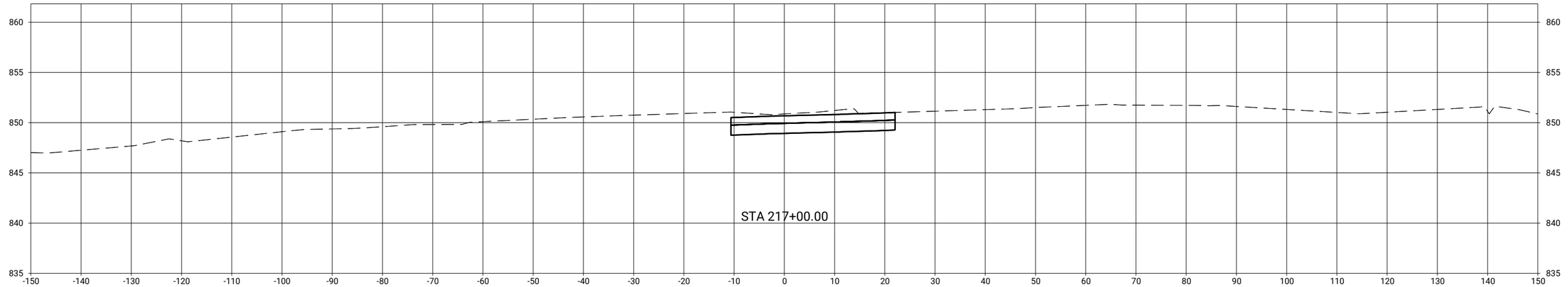
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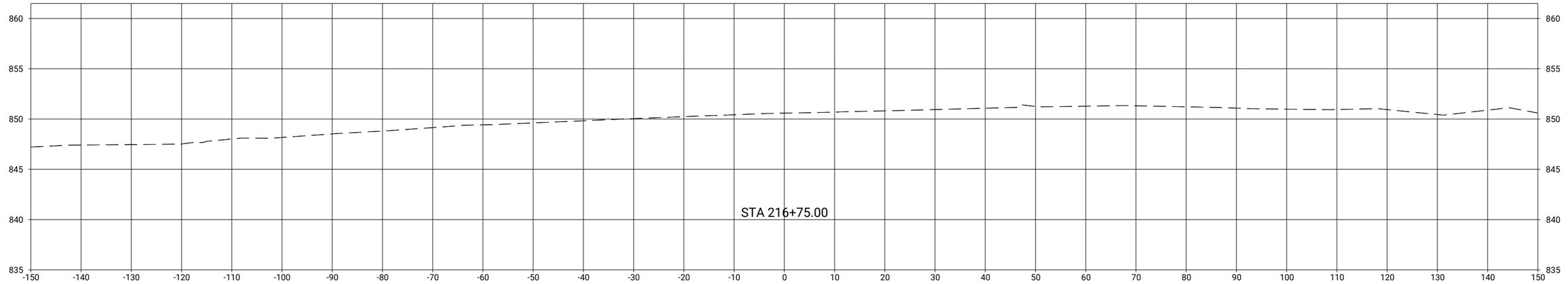
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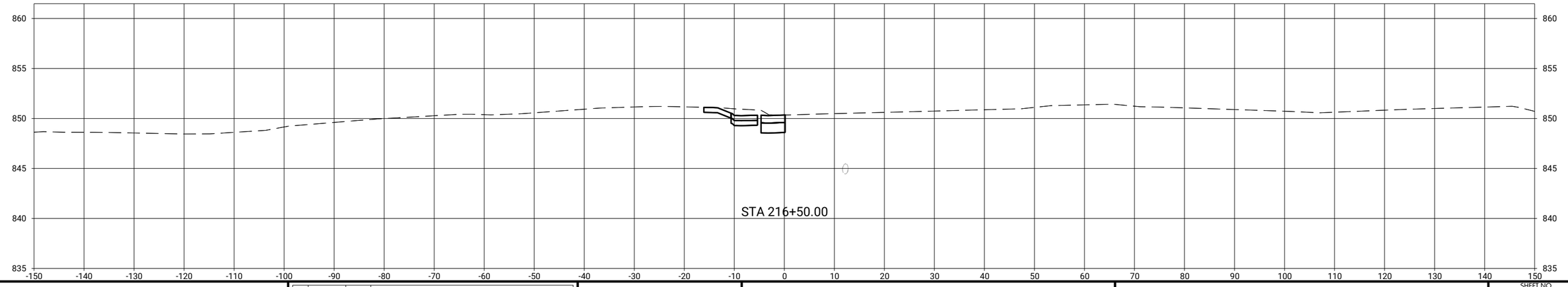
EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
CROSS SECTIONS

SHEET NO.
W.70
TAP-U-1187(793)--8I-57







pw://foth-pw.bentley.com:foth-pw-01/Documents/Clients/Cedar Rapids PW IA C/Edgewood Road NE Trail Phase 3/CAD/Plans/0022C005.02_W_SHT

CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
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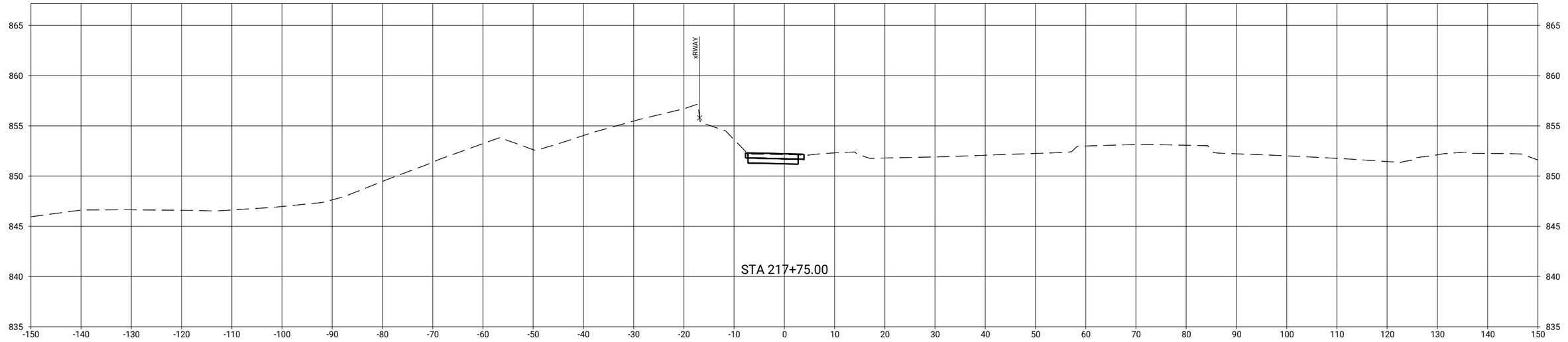
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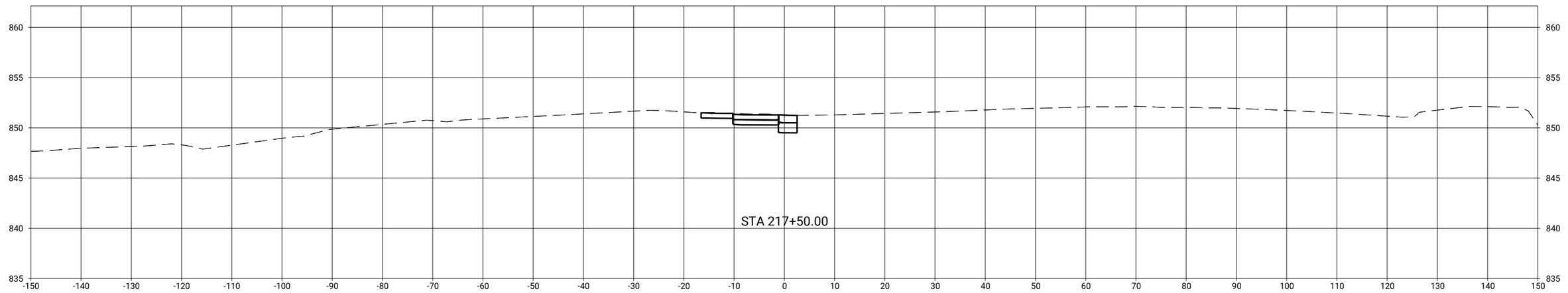
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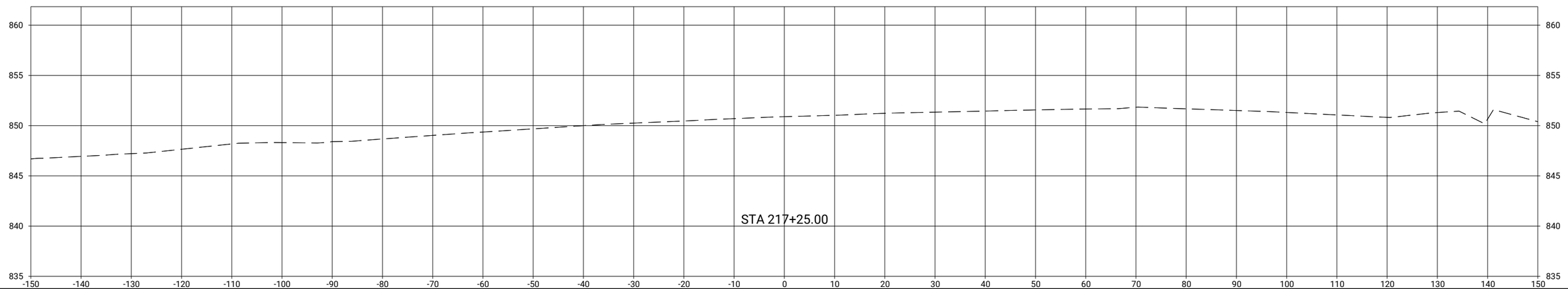
EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
CROSS SECTIONS

SHEET NO.
W.71
TAP-U-1187(793)--8I-57







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CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 3:09:02 PM
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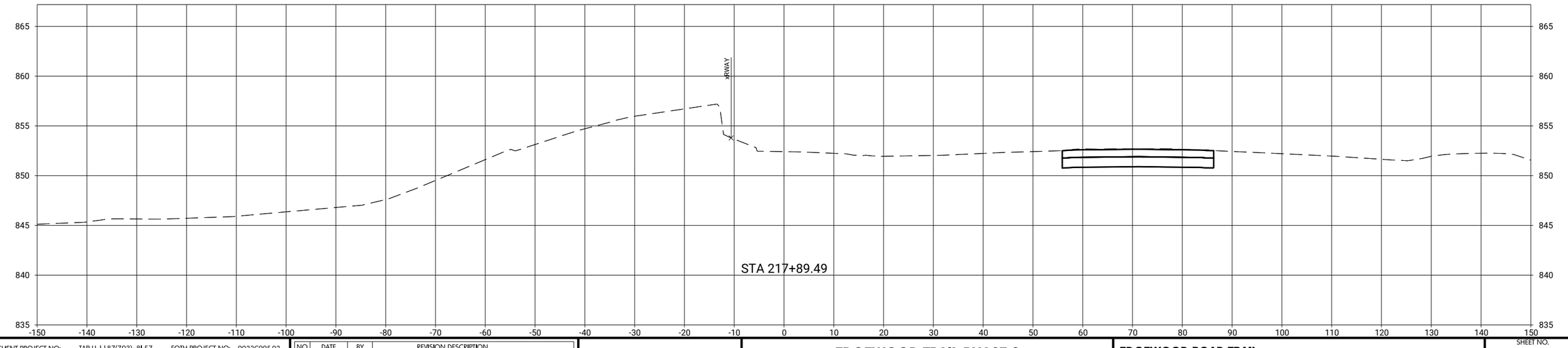
NO	DATE	BY	REVISION DESCRIPTION

Foth

EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
CROSS SECTIONS

SHEET NO.
W.72
TAP-U-1187(793)--8I-57



CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 3:09:03 PM
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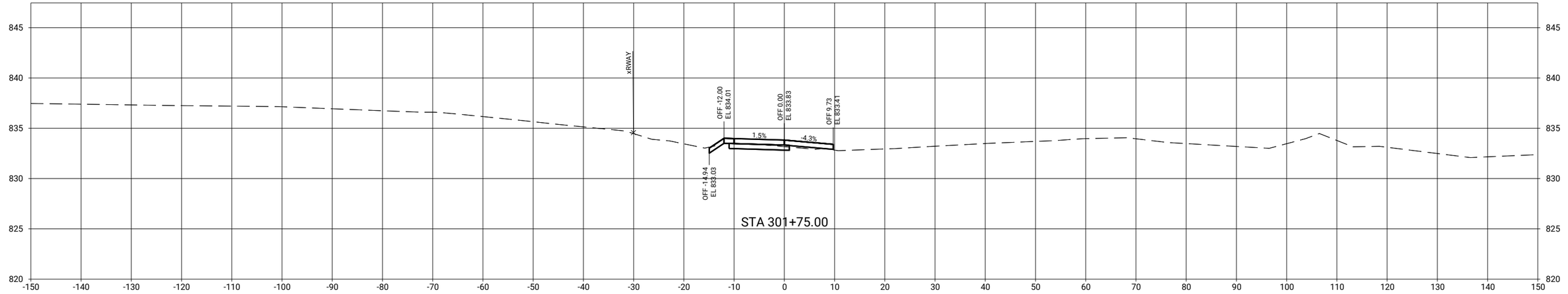
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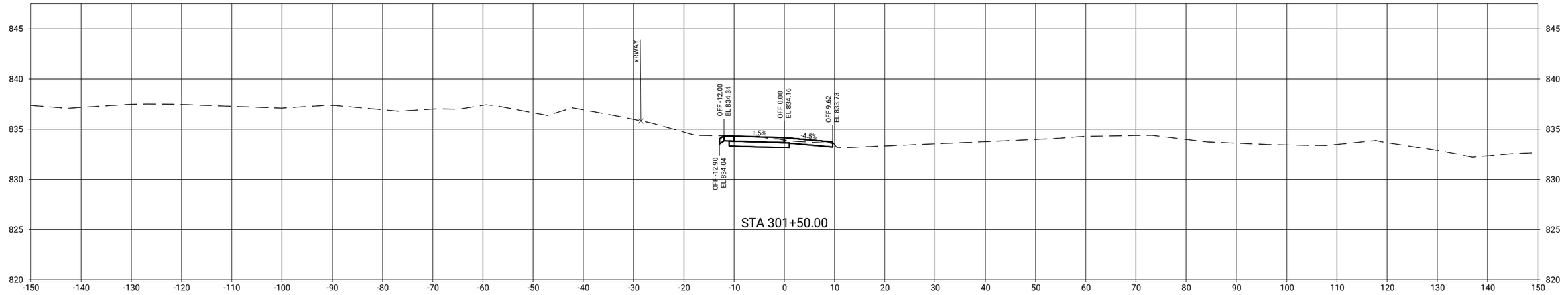
EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

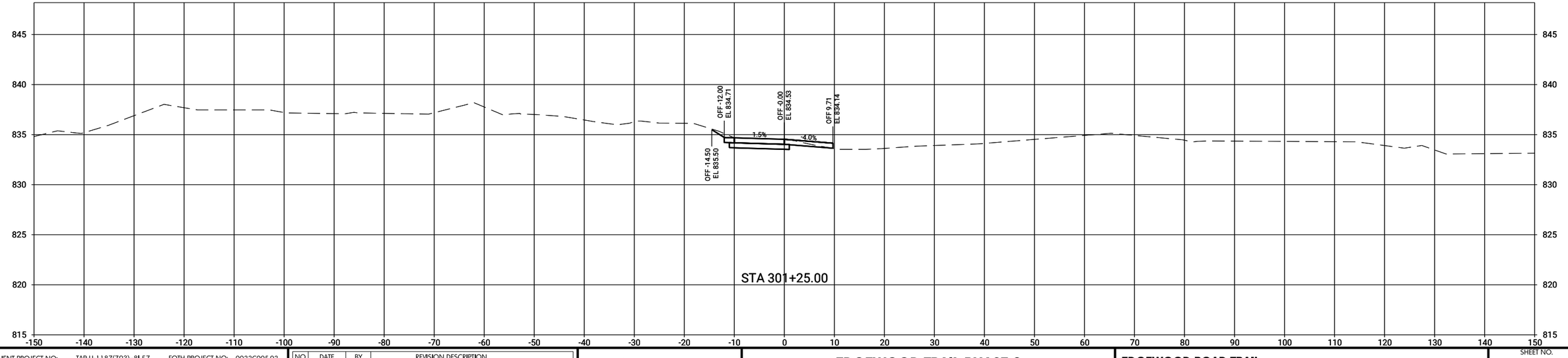
EDGEWOOD ROAD TRAIL
CROSS SECTIONS

SHEET NO.
W.73
TAP-U-1187(793)--8I-57

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CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
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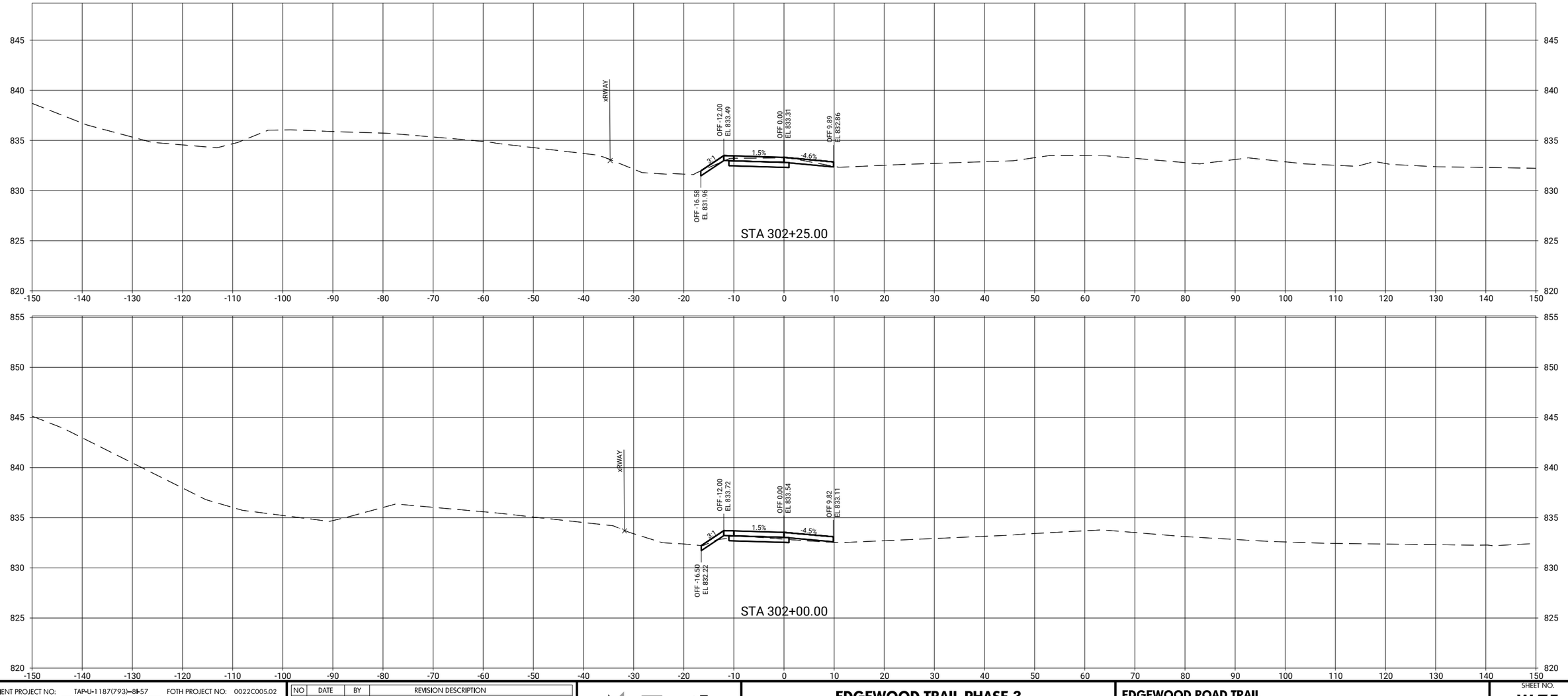
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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
CROSS SECTIONS

SHEET NO.
W.74
TAP-U-1187(793)--8I-57

pw://foth-pw.bentley.com:foth-pw-01/Documents/Clients/Cedar Rapids PW IA CE/Edgewood Road NE Trail Phase 3/CAD/Plans/0022C005.02_W_SHT



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DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
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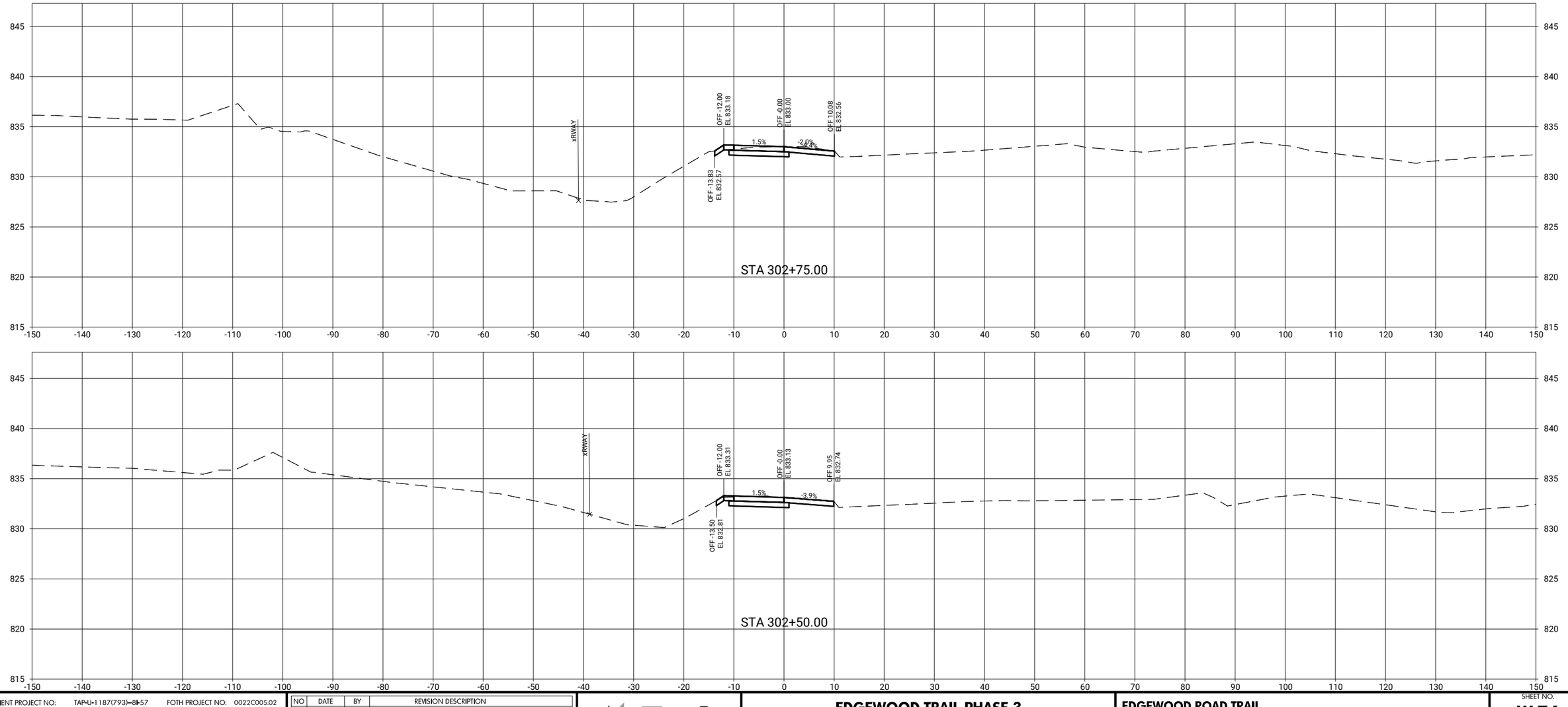
NO	DATE	BY	REVISION DESCRIPTION

Foth

EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
CROSS SECTIONS

SHEET NO.
W.75
TAP-U-1187(793)--8I-57



pw://foth-pw.bentley.com:foth-pw-01\Documents\Clients\Cedar Rapids PW IA CE\Edgewood Road NE Trail Phase 3\CAD\Plans\0022C005.02_W_SHT

CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 3:09:07 PM
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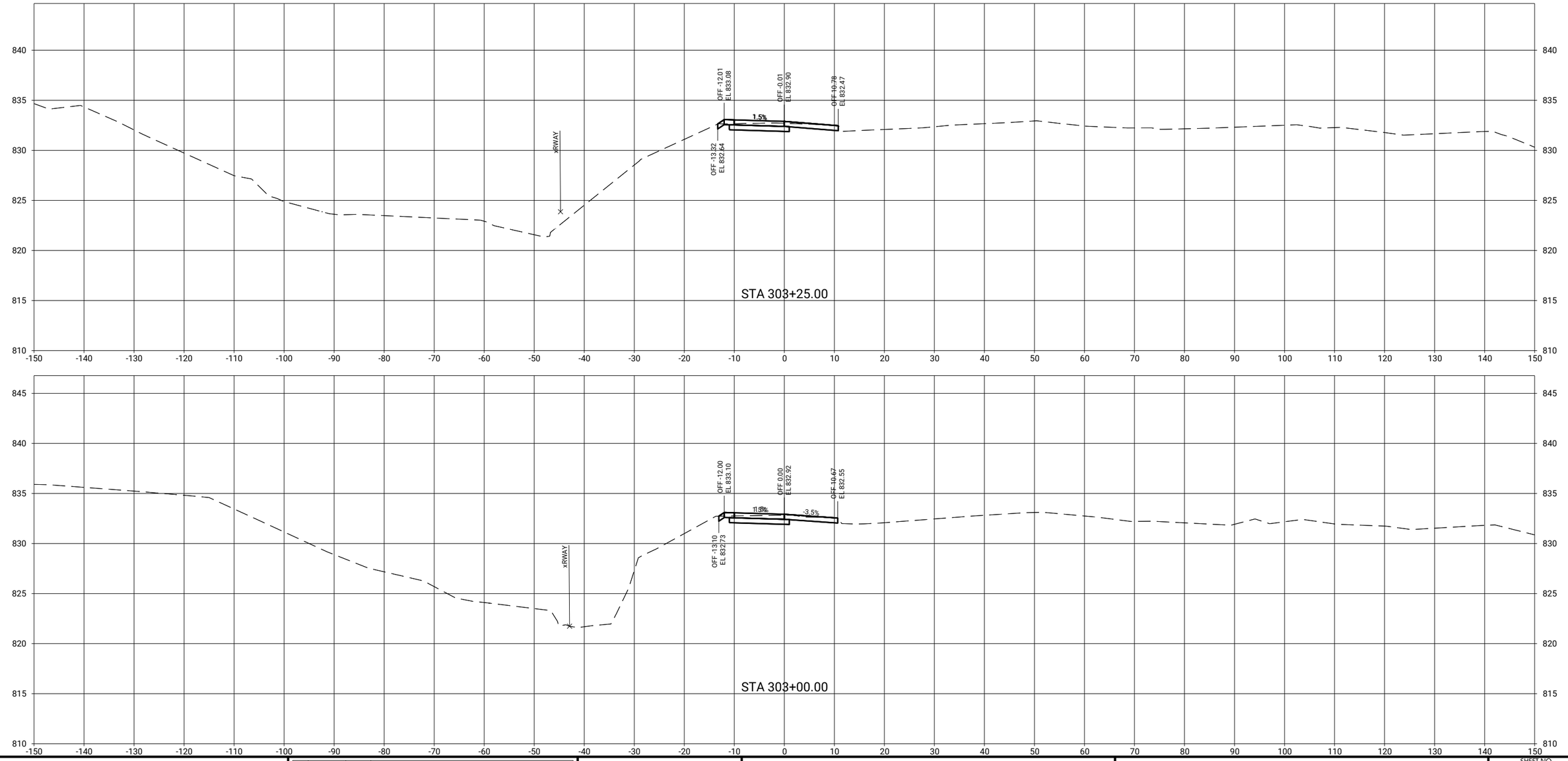
NO	DATE	BY	REVISION DESCRIPTION

Foth

EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
CROSS SECTIONS

SHEET NO.
W.76
TAP-U-1187(793)--8I-57



CLIENT PROJECT NO: TAP-U-1187(793)--8I-57	FOTH PROJECT NO: 0022C005.02		
DESIGNED BY: K. WOLLNER	CHECKED BY: C. CARPER	DRAWN BY: K. WOLLNER	
LETTING DATE: 9/15/2026	CAD DATE: 6/15/2026	3:09:08 PM	
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NO	DATE	BY	REVISION DESCRIPTION

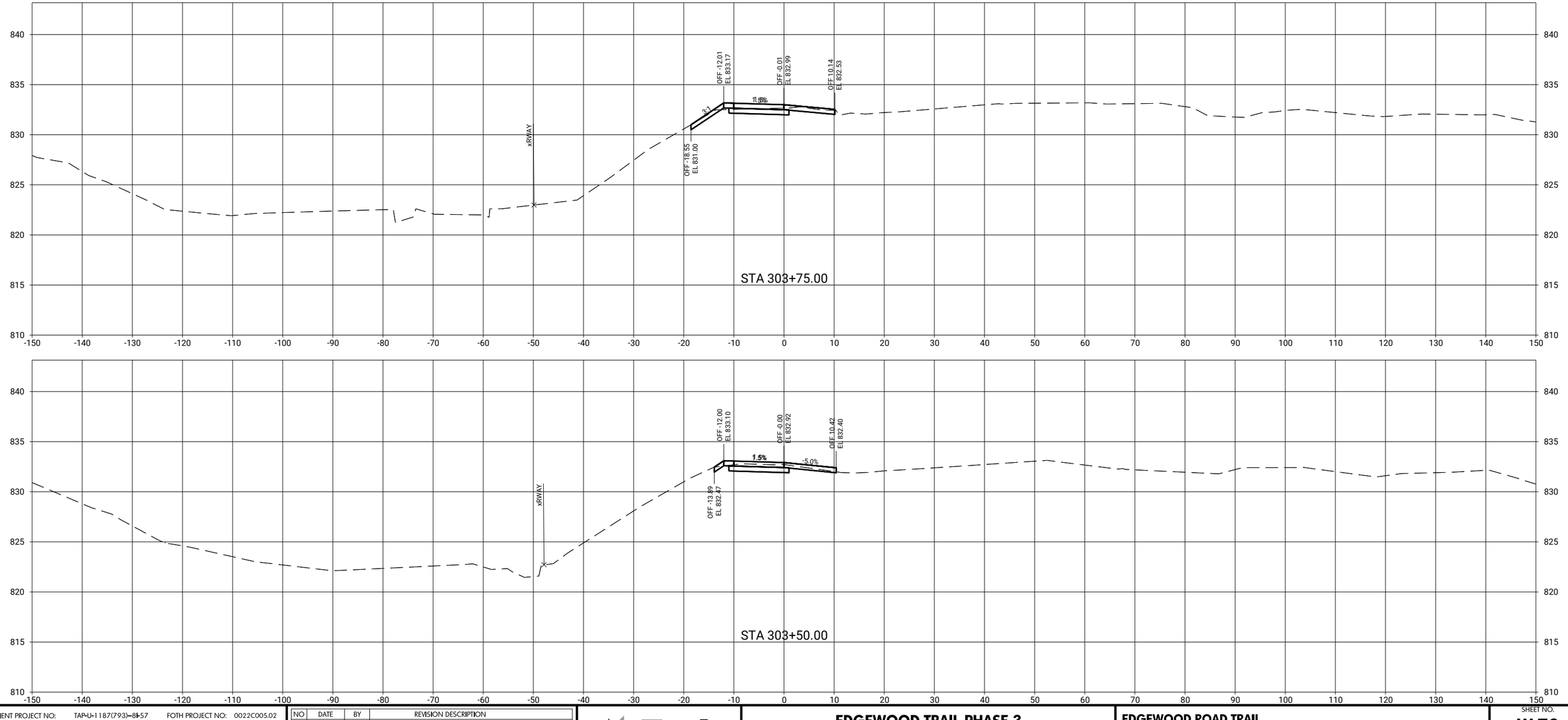
Foth

EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
CROSS SECTIONS

SHEET NO.
W.77
TAP-U-1187(793)--8I-57

pw://foth-pw.bentley.com:foth-pw-01/Documents/Clients/Cedar Rapids PW IA C/Edgewood Road NE Trail Phase 3/CAD/Plans/0022C005.02_W_SHT



CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 3:09:10 PM
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NO	DATE	BY	REVISION DESCRIPTION

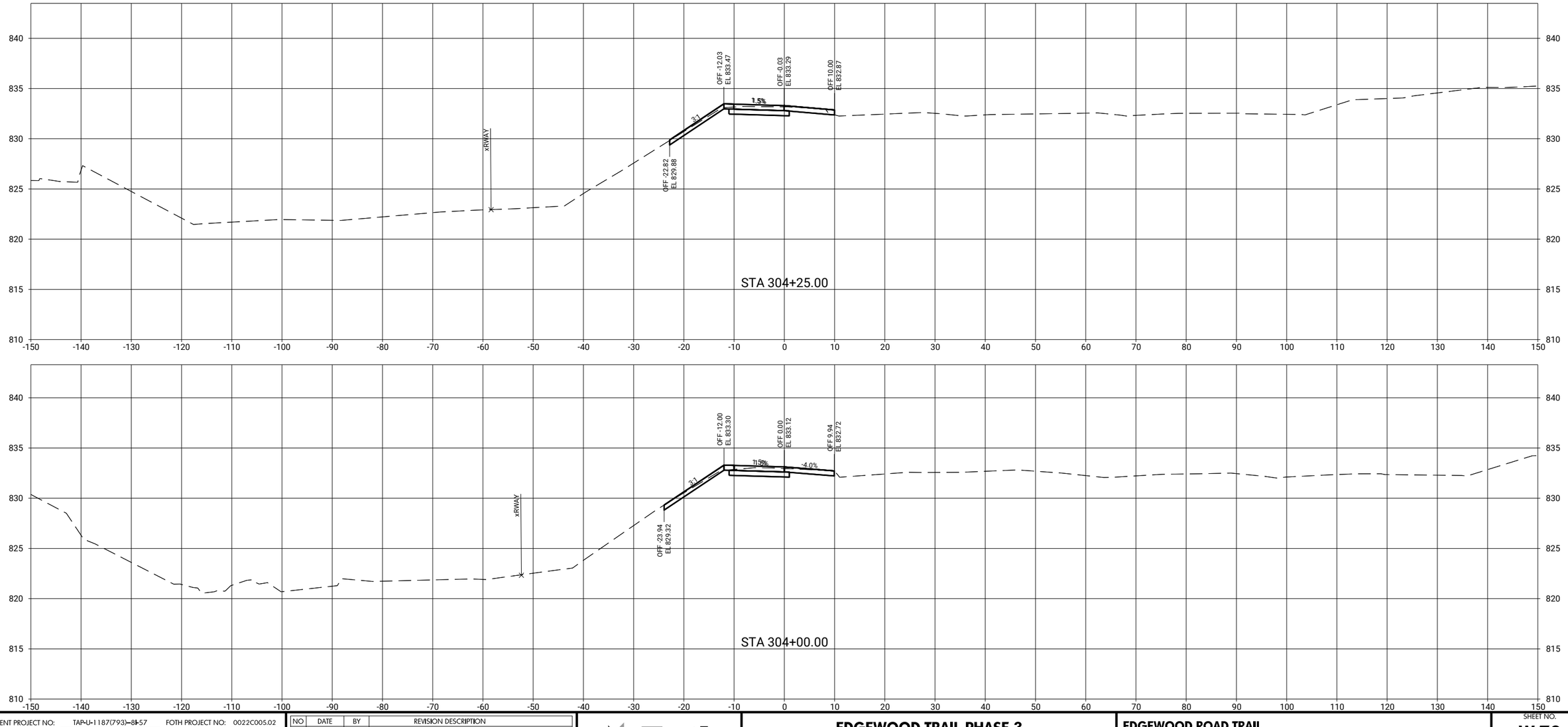
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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
CROSS SECTIONS

SHEET NO.
W.78
TAP-U-1187(793)--8I-57

pw://foth-pw.bentley.com:foth-pw-01\Documents\Clients\Cedar Rapids PW IA CE\Edgewood Road NE Trail Phase 3\CAD\Plans\0022C005.02_W_SHT



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CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 3:09:11 PM
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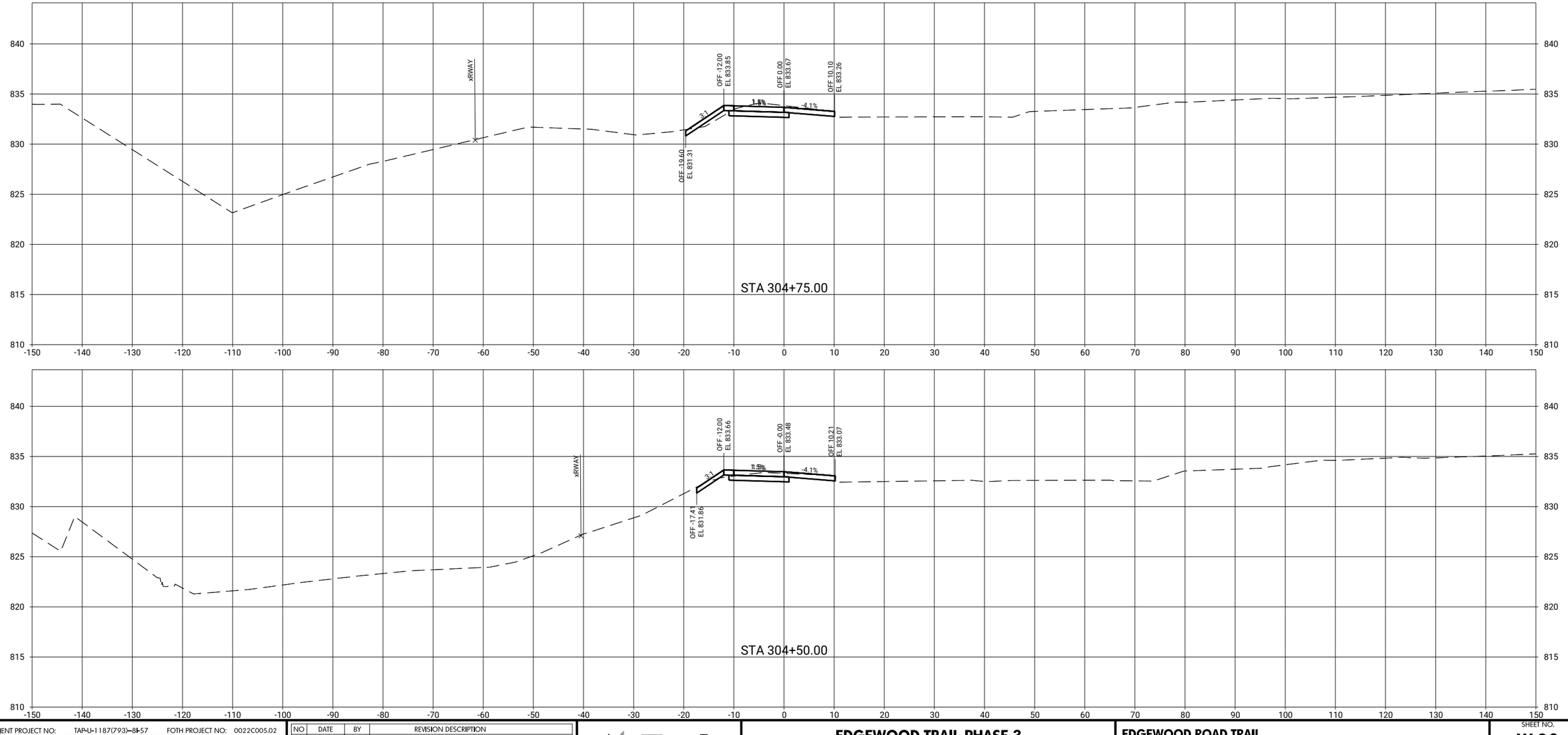
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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE

CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
CROSS SECTIONS

SHEET NO.
W.79
TAP-U-1187(793)--8I-57



CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 3:09:12 PM
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NO	DATE	BY	REVISION DESCRIPTION

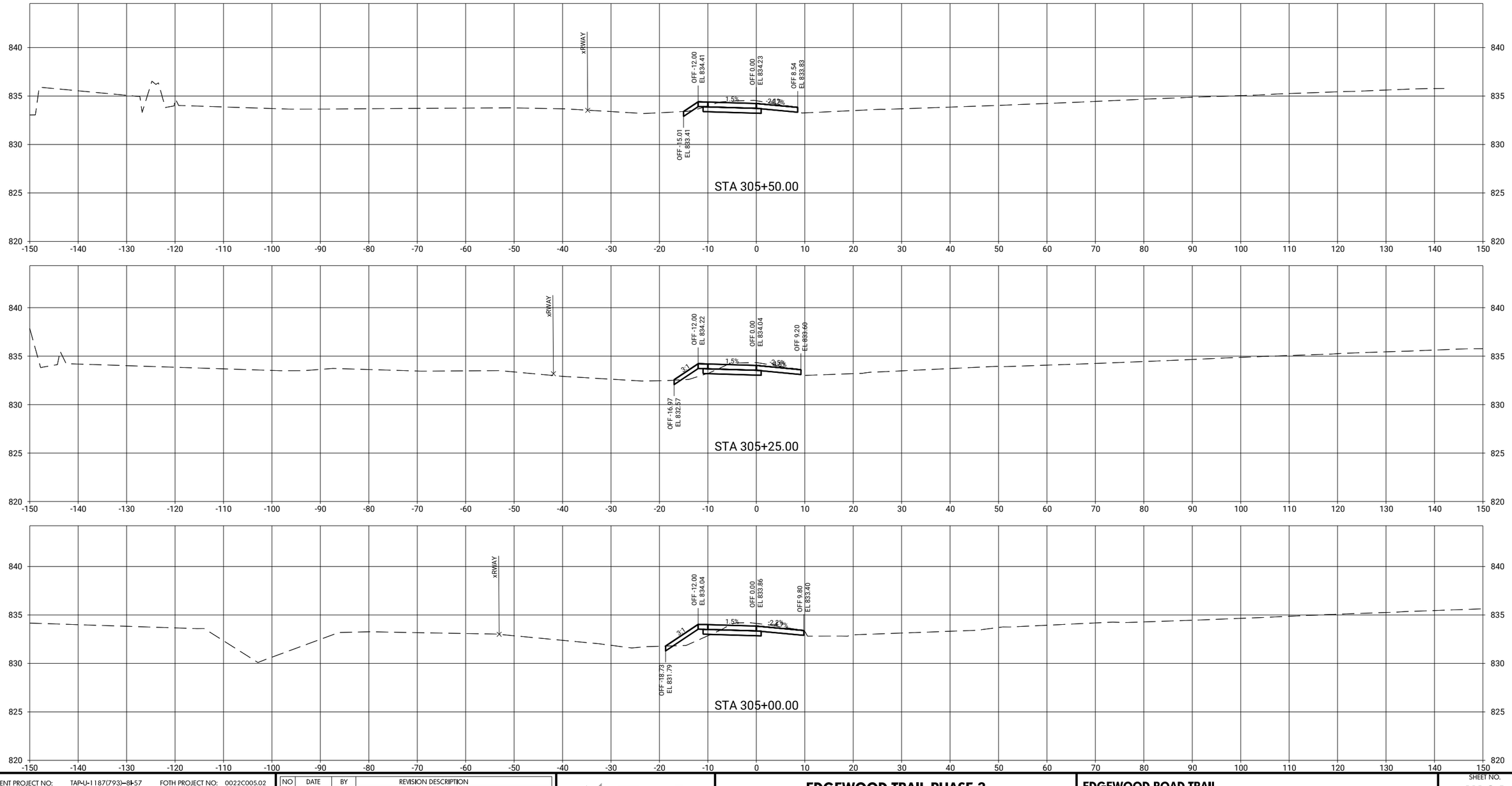
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EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
CROSS SECTIONS

SHEET NO.
W.80
TAP-U-1187(793)--8I-57

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CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 3:09:13 PM
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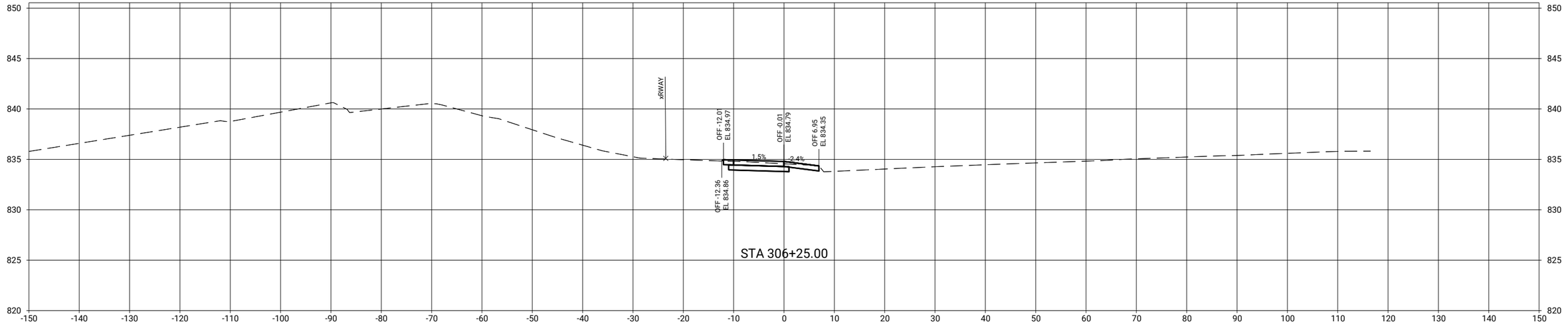
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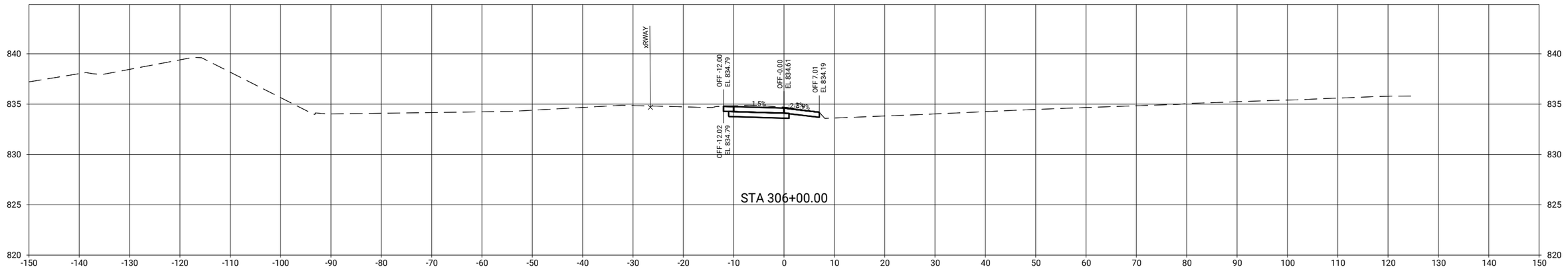
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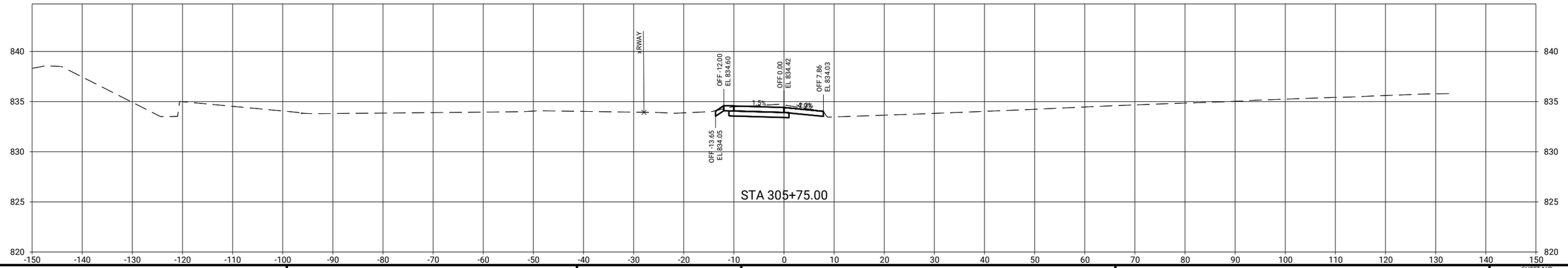
EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
CROSS SECTIONS

SHEET NO.
W.81
TAP-U-1187(793)--8I-57







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CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 3:09:14 PM
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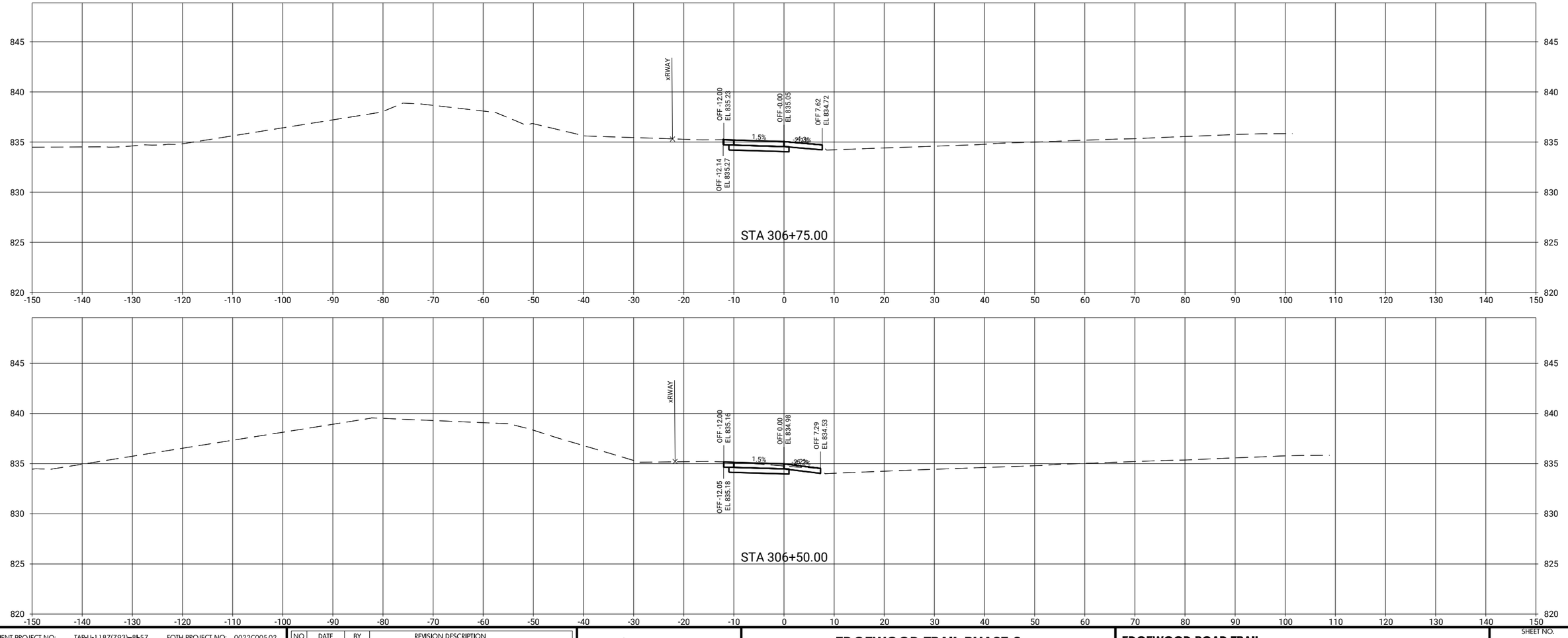
NO	DATE	BY	REVISION DESCRIPTION

Foth

EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
CROSS SECTIONS

SHEET NO.
W.82
TAP-U-1187(793)--8I-57



CLIENT PROJECT NO: TAP-U-1187(793)--8I-57 FOTH PROJECT NO: 0022C005.02
DESIGNED BY: K. WOLLNER CHECKED BY: C. CARPER DRAWN BY: K. WOLLNER
LETTING DATE: 9/15/2026 CAD DATE: 6/15/2026 3:09:16 PM
CAD FILE: c:\pw_workdir\pw_ie\amj3\d0579164\0022C005.02_W_SHT.dgn

NO	DATE	BY	REVISION DESCRIPTION

Foth

EDGEWOOD TRAIL PHASE 3
FROM GLASS ROAD TO TOWN CENTRE WAY NE
CEDAR RAPIDS, IA

EDGEWOOD ROAD TRAIL
CROSS SECTIONS

SHEET NO.
W.83
TAP-U-1187(793)--8I-57

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