

IOWA DOT
Planning, Programming,
and Modal Division

PLANS OF PROPOSED IMPROVEMENT ON THE

URBAN ROAD SYSTEM
CITY OF ADEL

PCC TRAIL

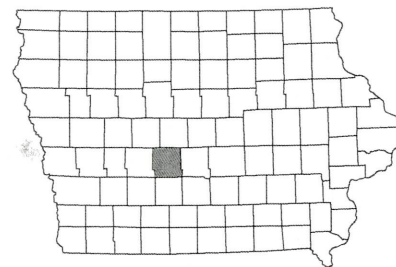
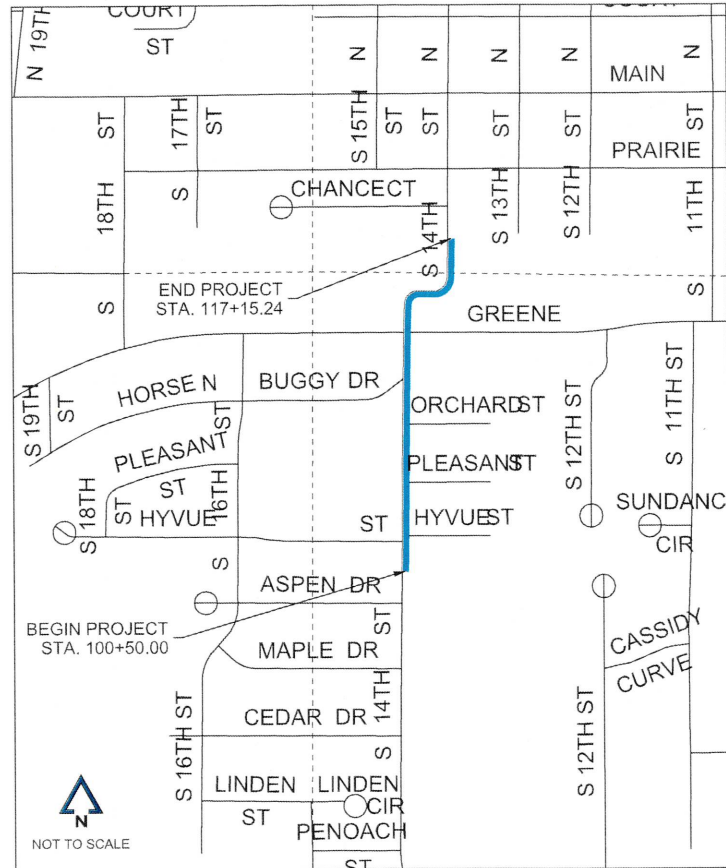
In the city of Adel, along S 14th St trail connecting Evans Park trail
north to Raccoon River Valley Trail

SCALES: As Noted

Refer to the Proposal Form for list of applicable specifications.

Value Engineering Saves. Refer to Article 1105.13 of the Specifications.

For Standard Road Plans refer to Sheet C.6



MILEAGE SUMMARY			
DIV.	LOCATION	LIN. FT.	MILES
1	ADEL RECREATION TRAIL STA. 100+50.00 to 117+15.24	1665.85	0.32

INDEX OF SHEETS	
NO.	DESCRIPTION
A.1	TITLE SHEET
A.2	GENERAL LEGEND
B.1-B.2	TYPICAL SECTIONS AND DETAILS
C.1-C.5	QUANTITIES, ESTIMATE REFERENCE INFORMATION, AND GENERAL NOTES
D.1-D.4	TRAIL PLAN & PROFILE
F.1-F.3	REMOVAL SHEETS
G.1	REFERENCE TIES, BENCHMARKS, AND ALIGNMENTS
H.1-H.3	RIGHT-OF-WAY INFORMATION
J.1-J.2	TRAFFIC CONTROL AND STAGING
L.1-L.2	GEOMETRICS AND STAKING
N.1-N.3	PAVEMENT MARKINGS, PERMANENT TRAFFIC SIGNS, & PEDESTRIAN CROSSING DETAILS
RC.1	EROSION CONTROL TABULATIONS
RR.1-RR.3	EROSION CONTROL SHEETS
S.1-S.5	TRAIL DETAILS
W.1-W.8	TRAIL CROSS SECTIONS

COPYRIGHT AND PROPERTY RIGHTS IN THESE DOCUMENTS ARE EXPRESSLY
RESERVED BY MCCLURE ENGINEERING COMPANY. NO REPRODUCTIONS, CHANGES,
OR COPIES IN ANY MANNER SHALL BE MADE WITHOUT OBTAINING
PRIOR WRITTEN CONSENT FROM MCCLURE ENGINEERING COMPANY.

CITY OF ADEL, IOWA

Timothy J. Vick 4/20/2026
TIMOTHY VICK DATE
CITY ADMINISTRATOR
ACCEPTED FOR LETTING

LICENSED PROFESSIONAL ENGINEER
ALEXANDER
T.
SCHLADER
25362
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.
Alexander T. Schlader 4/17/26
Signature Date
ALEXANDER T. SCHLADER, P.E.
Printed or Typed Name
My license renewal date is December 31, 2026

Pages or sheets covered by this seal: All Sheets

ADEL RECREATION TRAIL CONNECTION
EVANS PARK - RACCOON RIVER VALLEY TRAIL
ADEL, IA
TAP-U-0035(605)--8I-25

REVISIONS

PROJECT INFO
2022000959

ENGINEER DRAWN BY CHECKED BY
ATS KEC CFF

McCLURE
1360 NW 121st Street, Suite A
Clive, IA 50325
main 515.964.1229
Ankeny, IA | Carroll, IA | Clive, IA
Cedar Rapids, IA | Coralville, IA
Fort Dodge, IA | Sioux City, IA
Macon, MO | Columbia, MO
North Kansas City, MO
Lenexa, KS
Boston, MA | Portsmouth, NH

NOTICE:
McClure Engineering Co. is not
responsible or liable for any issues,
claims, damages, or losses
(collectively, "Losses") which arise
from failure to follow these Plans,
Specifications, and the engineering
intent they convey, or for Losses
which arise from failure to obtain
and/or follow the engineers' or
surveyors' guidance with respect to
any alleged errors, omissions,
inconsistencies, ambiguities, or
conflicts contained within
the Plans and Specifications.

TITLE SHEET
FULL FILE PATHNAME

GENERAL LEGEND

EXISTING	PROPOSED	
		SANITARY SEWER MAIN
		SANITARY SEWER SERVICE
		SANITARY SEWER FORCE MAIN
		STORM SEWER MAIN OR CULVERT
		SECONDARY STORM SEWER SERVICE
		SUBDRAIN/TILE
		WATER MAIN
		WATER SERVICE
		UNDERGROUND ELECTRIC
		OVERHEAD ELECTRIC
		UNDERGROUND TELEPHONE
		UNDERGROUND FIBER OPTIC
		UNDERGROUND CABLE TV
		GAS MAIN OR SERVICE
		CONTOUR LINES INTERMEDIATE
		CONTOUR LINES INDEX
		PROPERTY LINE / LOT LINE
		RIGHT OF WAY LINE
		SECTION LINE
		TEMPORARY EASEMENT
		PERMANENT EASEMENT
		GUARD RAIL
		FIELD FENCE
		ROAD CENTERLINE
		CONSTRUCTION LIMITS
		AG LINE
		WATERWAY FLOWLINE

UTILITY QUALITY SERVICE LEVELS:

UTILITY QUALITY LEVELS ARE BASED ON THE CI/ASCE 38-02 STANDARD.

UTILITY QUALITY LEVEL A:

PRECISE HORIZONTAL AND VERTICAL LOCATION OF UTILITIES OBTAINED BY THE ACTUAL EXPOSURE (OR VERIFICATION OF PREVIOUSLY EXPOSED AND SURVEYED UTILITIES) AND SUBSEQUENT MEASUREMENT OF SUBSURFACE UTILITIES.

UTILITY QUALITY LEVEL B:

INFORMATION OBTAINED THROUGH THE APPLICATION OF APPROPRIATE SURFACE GEOPHYSICAL METHODS TO DETERMINE THE EXISTENCE AND APPROXIMATE HORIZONTAL POSITION OF SUBSURFACE UTILITIES.

UTILITY QUALITY LEVEL C:

INFORMATION OBTAINED BY SURVEYING AND PLOTTING VISIBLE ABOVE-GROUND UTILITY FEATURES AND BY USING PROFESSIONAL JUDGMENT IN CORRELATING THIS INFORMATION TO QUALITY LEVEL D INFORMATION.

UTILITY QUALITY LEVEL D:

INFORMATION DERIVED FROM EXISTING RECORDS OR ORAL RECOLLECTIONS.

EXAMPLES:

	SANITARY SEWER MAIN - QUALITY SERVICE LEVEL A
	SANITARY SEWER MAIN - QUALITY SERVICE LEVEL B
	SANITARY SEWER MAIN - QUALITY SERVICE LEVEL C
	SANITARY SEWER MAIN - QUALITY SERVICE LEVEL D

EXISTING UTILITIES NOTE:

THESE EXISTING UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS AND THEREFORE MUST BE CONSIDERED APPROXIMATE ONLY. IT IS POSSIBLE THERE MAY BE OTHERS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THEIR EXISTENCE AND EXACT LOCATION AND TO AVOID DAMAGING THEM. NO CLAIMS WILL BE ALLOWED TO THE CONTRACTOR FOR ANY INTERFERENCE OF DELAY CAUSED BY SUCH WORK. PAYMENT WILL BE ALLOWED FOR UNCHARTED UTILITIES PER THE SPECIFICATIONS.

EXISTING	PROPOSED	
		SANITARY SEWER MANHOLE
		SANITARY SEWER CLEANOUT
		AIR RELEASE MANHOLE/DRAIN MANHOLE
		STORM SEWER MANHOLE
		STORM SEWER CLEANOUT
		STORM SEWER INTAKE
		STORM SEWER BEEHIVE INTAKE
		FLARED END SECTION
		FIRE HYDRANT
		WATER VALVE
		WATER VALVE MANHOLE
		CURB STOP
		WATER METER MANHOLE
		YARD HYDRANT
		ELECTRIC MANHOLE / VAULT
		ELECTRIC PEDESTAL / TRANSFORMER
		OUTDOOR ELECTRIC POWER OUTLET
		POWER POLE
		POWER POLE w/ STREET LIGHT
		STREET LIGHT POLE
		GUY WIRE
		FLOODLIGHT
		FIBER OPTIC MARKER
		TRAFFIC SIGNAL
		TRAFFIC SIGNAL BOX
		TRAFFIC SIGNAL MANHOLE / VAULT
		RAILROAD CROSSING SIGNAL
		TELEPHONE MANHOLE / VAULT
		TELEPHONE PEDESTAL
		CABLE TV MANHOLE / VAULT
		CABLE TV PEDESTAL
		GAS VALVE
		IRRIGATION HANDHOLE
		BOLLARD (BUMPER POST)
		ROADWAY SIGN
		MAILBOX
		WELL
		DECIDUOUS TREE
		EVERGREEN TREE
		SHRUB OR BUSH
		TREE OR SHRUB LINE
		STUMP
		MONITORING WELL
		SOIL BORINGS
		FLAG POLE
		SATELLITE DISH
		SLOPE INDICATORS
		CONTROL POINT
		BENCH MARK
		SECTION CORNER
		IRON PIN SET
		IRON PIN FOUND

ABBREVIATIONS

T/S	TOP OF SLAB	TOP	TOP OF SLOPE
BC	BACK OF CURB	BOT	BOTTOM OF SLOPE
TC	TOP OF CURB	EP	EDGE OF PAVING
FG	FORM GRADE	BOP	BEGINNING OF PROJECT
FL	FLOWLINE	EOP	END OF PROJECT
CL	CENTERLINE	UAC	USE AS CONSTRUCTED
C	CUT		
F	FILL		

SHADING/HATCHING

	PROPOSED ADA SIDEWALK		PROPOSED NON-ADA SIDEWALK
	PROPOSED SIDEWALK RAMP		PCC PAVEMENT
	PROPOSED SIDEWALK TURNING SPACE		PCC CURB AND GUTTER
	PROPOSED PCC DRIVEWAY		DELINEATES RESTRICTED AREAS
	PROPOSED GRANULAR DRIVEWAY		PROPOSED PAVEMENT PATCH SHADING

UTILITY LEGEND

	CITY OF ADEL GRANT GOEDEN 515-993-4525 GGOEDEN@ADELIOWA.GOV		CITY OF ADEL KIP OVERTON 515-993-4525 KOVERTON@ADELIOWA.GOV
	CITY OF ADEL MIKE LANSING 515-993-4525 MLANSING@ADELIOWA.GOV		LUMEN TERI OBERENDER TERI.OBERENDER@LUMEN.COM
	MIDAMERICAN - GAS CHARLES BENNETT 515-252-6627 CHARLES.BENNETT@MIDAMERICAN.COM		AUREON MATTHEW WEISER 515-830-0497 MATTHEW.WEISER@AUREON.COM
	MIDAMERICAN - ELECTRIC CHARLES BENNETT 515-252-6627 CHARLES.BENNETT@MIDAMERICAN.COM		

1360 NW 121st Street, Suite A
Clive, IA 50325
main 515.964.1229

Ankeny, IA | Carroll, IA | Clive, IA
Cedar Rapids, IA | Coralville, IA
Fort Dodge, IA | Sioux City, IA
Macon, MO | Columbia, MO
North Kansas City, MO
Lenexa, KS
Boston, MA | Portsmouth, NH

NOTICE:
McClure Engineering Co. is not responsible or liable for any issues, claims, damages, or losses (collectively, "Losses") which arise from failure to follow these Plans, Specifications, and the engineering intent they convey, or for Losses which arise from failure to obtain and/or follow the engineers' or surveyors' guidance with respect to any alleged errors, omissions, inconsistencies, ambiguities, or conflicts contained within the Plans and Specifications.

REVISIONS

PROJECT INFO
2022000959

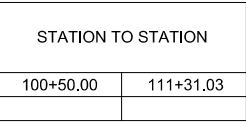
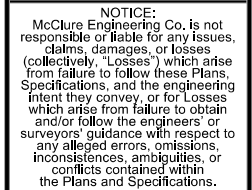
ENGINEER
ATS

DRAWN BY
KEC

CHECKED BY
CFF

ADEL RECREATION TRAIL CONNECTION
EVANS PARK - RACCOON RIVER VALLEY TRAIL
ADEL, IA
TAP-U-0035(605)--81-25

GENERAL LEGEND
FULL FILE PATHNAME



NOT TO SCALE

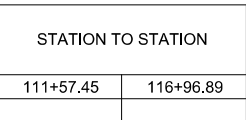
- REVISIONS

---	---	---
---	---	---
---	---	---
---	---	---
---	---	---
---	---	---
---	---	---
---	---	---

PROJECT INFO

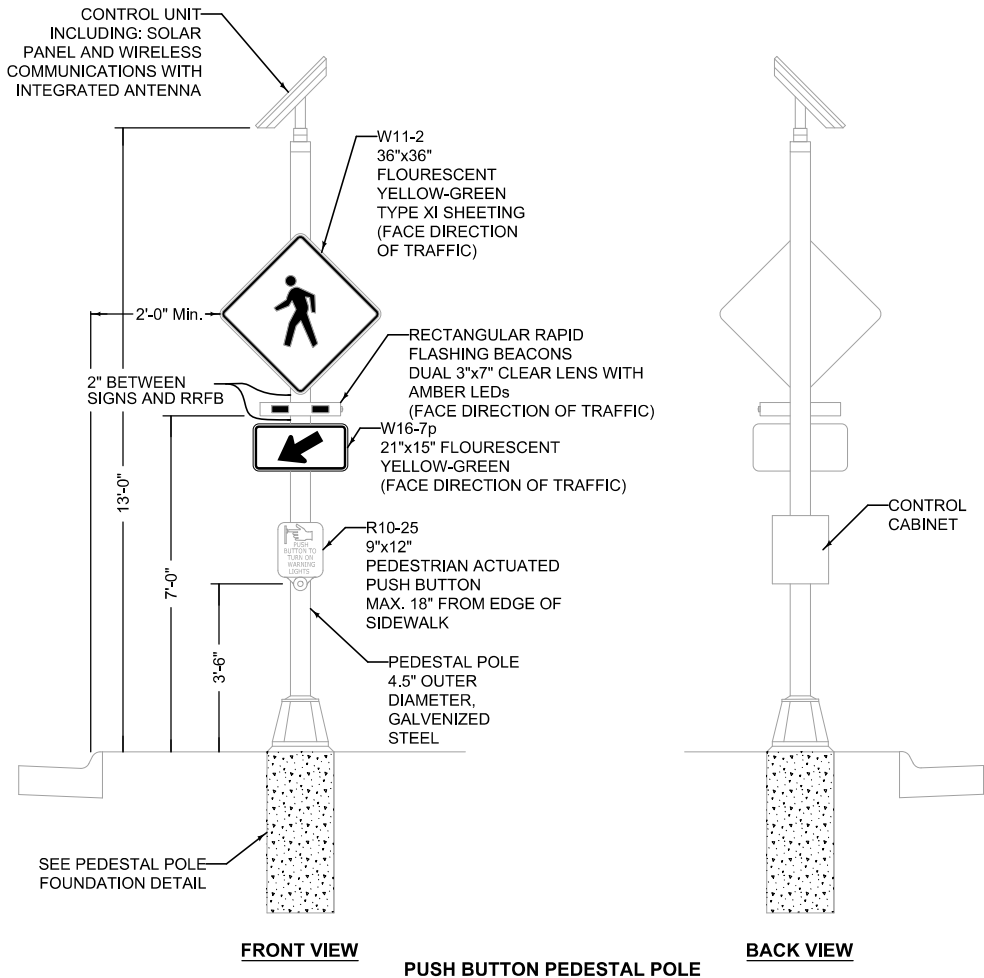
2022000959

ENGINEER	DRAWN BY	CHECKED BY
ATS	KEC	CFF

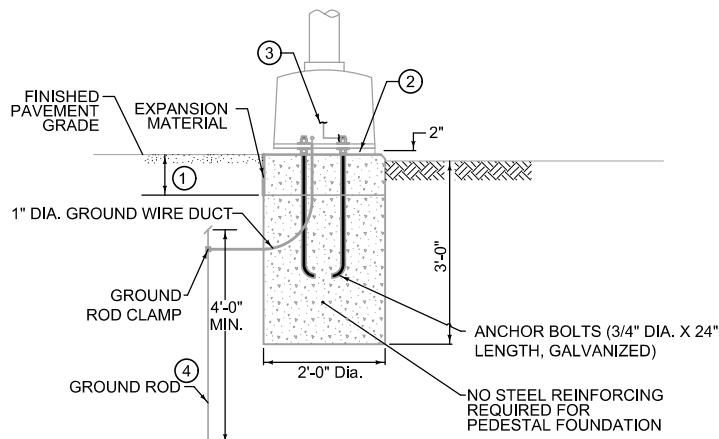


NOT TO SCALE

- ADEL RECREATION TRAIL CONNECTION
EVANS PARK - RACCOON RIVER VALLEY TRAIL
ADEL, IA
TAP-U-0035(605)--8I-25
-
- TYPICAL SECTIONS AND DETAILS
- Project: 20220200959/06-Drawings/Civil/Plans-SHT_20220200959_B.dgn



RECTANGULAR RAPID FLASHING BEACON (RRFB)
NOT TO SCALE



PEDESTAL POLE FOUNDATION

- ① SHAPE TOP 11" WITH FORMS
- ② INSTALL RODENT GUARD OR NON-SHRINK GROUT WITH WEEP HOLE.
- ③ CONNECT GROUND WIRE TO GROUNDING LUG IN THE PEDESTAL BASE.
- ④ WHEN IN CONTACT WITH ROCK, PLACE GROUND RODS AS SPECIFIED IN NATIONAL ELECTRICAL CODE, CURRENT EDITION.

NOTICE:
McClure Engineering Co. is not responsible or liable for any issues, claims, damages, or losses (collectively, "Losses") which arise from failure to follow these Plans, Specifications, and the engineering intent they convey, or for Losses which arise from failure to obtain and/or follow the engineers' or surveyors' guidance with respect to any alleged errors, omissions, inconsistencies, ambiguities, or conflicts contained within the Plans and Specifications.

REVISIONS		
PROJECT INFO		
2022000959		
ENGINEER	DRAWN BY	CHECKED BY
ATS	KEC	CFF

ADEL RECREATION TRAIL CONNECTION
EVANS PARK - RACCOON RIVER VALLEY TRAIL
ADEL, IA
TAP-U-0035(605)--8I-25
TYPICAL SECTIONS AND DETAILS

CLEARING, GRUBBING, GRADING, AND EMBANKMENT

ALL LIGHT POLES, UTILITIES, MAILBOXES, AND TREES SHALL BE PROTECTED UNLESS NOTED OTHERWISE.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE WASTE AREAS OR DISPOSAL SITES FOR EXCESS MATERIAL (EXCAVATED MATERIAL, BROKEN CONCRETE, VEGETATION, OR PAVEMENTS) WHICH IS NOT DESIRABLE TO BE INCORPORATED INTO THE WORK INVOLVED ON THIS PROJECT. NO PAYMENT FOR OVERHAUL OR DUMPING FEES WILL BE ALLOWED FOR MATERIAL HAULED TO THESE SITES. NO MATERIAL WILL BE PLACED WITHIN THE RIGHT-OF-WAY, UNLESS SPECIFICALLY STATED IN THE PLANS OR APPROVED BY THE ENGINEER. ANY HOLES OR TRENCHES SHALL BE FILLED AT THE END OF THE DAY'S WORK.

CONTRACTOR SHALL MAINTAIN THE STREETS, SIDEWALKS, AND ALL OTHER PUBLIC RIGHT-OF-WAY IN A CLEAN, SAFE, AND USABLE CONDITION. ALL SPILLS OF SOIL, ROCK, OR CONSTRUCTION DEBRIS SHALL BE REMOVED FROM ANY PUBLICLY OWNED PROPERTY DURING CONSTRUCTION AND UPON COMPLETION OF THE PROJECT. ALL ADJACENT PROPERTY, PRIVATE OR PUBLIC, SHALL BE MAINTAINED IN A CLEAN, SAFE, AND USABLE CONDITION.

CONTRACTOR SHALL CONFINE THEIR GRADING OPERATIONS TO THE CONSTRUCTION LIMITS AS SHOWN ON THE PLANS UNLESS AUTHORIZED BY THE ENGINEER TO DO OTHERWISE. CONTRACTOR SHALL COMPENSATE PROPERTY OWNER FOR DAMAGES WHICH THEY CAUSE OUTSIDE THE AUTHORIZED LIMITS. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PRESERVE AND PROTECT ANY FENCES AND TREES, WITHIN THE CONSTRUCTION LIMITS, WHICH MAY BE REQUIRED TO REMAIN BY THE OWNER. CONTRACTOR SHALL NOT DISTURB DESIRABLE GRASS AREAS AND DESIRABLE TREES OUTSIDE THE CONSTRUCTION LIMITS. THE CONTRACTOR SHALL ACCESS THE SITE IN A MANNER THAT DOES NOT DAMAGE EXISTING PAVED SURFACES AND SIDEWALKS THAT ARE NOT DESIGNATED TO BE REPLACED. ANY DAMAGE TO THESE SURFACES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE AS APPROVED BY THE ENGINEER.

UTILITIES

LOCATIONS OF BURIED UNDERGROUND FACILITIES ARE APPROXIMATE. ENGINEER DOES NOT WARRANT, EITHER EXPRESSLY OR BY IMPLICATION, THE ACCURACY OF THE LOCATIONS SHOWN, EXACT LOCATION AND ELEVATIONS OF ALL UTILITIES SHALL BE DETERMINED BY CONTRACTOR AT THE TIME OF CONSTRUCTION. IT SHALL BE THE DUTY OF THE CONTRACTOR TO ASCERTAIN WHETHER ANY ADDITIONAL FACILITIES OTHER THAN THOSE SHOWN ON THE DRAWINGS MAY BE PRESENT. ENGINEER MAKES NO GUARANTEE THAT THE UTILITIES SHOWN COMPRISE ALL UTILITIES IN THE AREA.

CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES OF THE ACTUAL STARTING DATE OF CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH EACH COMPANY THE ACTUAL UTILITY LOCATION IN THE FIELD AND WHICH UTILITY LINES MUST BE ADJUSTED. CONTRACTOR SHALL USE CAUTION IN WORKING NEAR ALL UTILITY LINES. UTILITIES DAMAGED DUE TO THE OPERATIONS OF THE CONTRACTOR SHALL BE REPLACED AT CONTRACTOR'S EXPENSE AND AT NO EXPENSE TO THE OWNER.

CONTRACTOR SHALL PROVIDE TEMPORARY SUPPORT FOR EXISTING UTILITY LINES THAT ARE ENCOUNTERED DURING CONSTRUCTION UNTIL BACKFILLING IS COMPLETE.

ALL COSTS FOR STAGING CONSTRUCTION FOR UTILITY INSTALLATION, PROVIDING TEMPORARY SUPPORTS FOR UTILITIES WITH ASSISTANCE FROM THE AFFECTED UTILITY COMPANY, AND COORDINATING WITH UTILITIES, INCLUDING DELAYS, SHALL BE INCIDENTAL TO THE CONTRACT. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.

STREETS AND RELATED WORK

CONTRACTOR SHALL CONTROL ALL FUGITIVE DUST DURING THE CONCRETE JOINT SAWING PROCESS. CONTRACTOR SHALL ENSURE THAT ALL CORNERS OF FIXTURES, INTAKES, ETC. ARE CONTROLLED WITH AN APPROPRIATE JOINT.

SPECIAL CARE SHALL BE TAKEN WHEN FORMING AT INTERSECTIONS SO THAT THE PROFILES AND ELEVATIONS SHOWN ON THE CROSS SECTIONS, STREET RETURN PROFILE SHEETS, AND STAKING DIAGRAM SHEETS ARE OBTAINED. SHORT LENGTHS OF FORMS OR FLEXIBLE FORMS MAY BE NECESSARY AT THESE LOCATIONS. CONTRACTOR SHALL NOTIFY ENGINEER PRIOR TO ANY PAVING WORK IF POSITIVE DRAINAGE IS IN QUESTION. THE INTENT OF THE DRAWINGS IS TO ENSURE POSITIVE DRAINAGE IN ALL SITUATIONS. IF POSITIVE DRAINAGE DOES NOT OCCUR AT SPECIFIC LOCATIONS, CONTRACTOR SHALL REPAIR, INCLUDING THE REMOVAL AND REPLACEMENT OF PAVEMENT, TO ACHIEVE POSITIVE DRAINAGE. CONTRACTOR WILL BE REQUIRED TO PAY ALL COSTS ASSOCIATED WITH THE NEEDED REPAIR.

EXERCISE CARE WHEN PERFORMING ANY SAWCUTTING OR PAVEMENT REMOVAL. PROTECT THE ADJACENT STREET FROM DAMAGE. REMOVE AND REPLACE ANY DAMAGED AREAS WHICH ARE NOT INDICATED FOR REMOVAL AT NO COST TO THE OWNER.

THE CONTRACTOR SHALL CLEAN ALL SURFACES PRIOR TO OPENING THE PROJECT TO THE PUBLIC. PICKUP BROOM OR STREET SWEEPER THAT CREATES A MINIMAL AMOUNT OF DUST SHALL BE USED FOR CLEANING. ALL COSTS FOR CLEANING SHALL BE INCIDENTAL TO THE CONTRACT.

GENERAL

ALL CONSTRUCTION IS SUBJECT TO OBSERVATION BY ENGINEER AND/OR OWNER. CONTRACTOR SHALL NOTIFY ENGINEER, OWNER, AND UTILITY COMPANIES ONE (1) WEEK PRIOR TO START OF CONSTRUCTION.

ALL CONSTRUCTION METHODS, PROCEDURES, AND MATERIALS PROPOSED TO BE USED FOR THIS PROJECT SHALL COMPLY WITH THE MOST RECENT EDITION OF THE IOWA DEPARTMENT OF TRANSPORTATION DESIGN MANUAL AND STANDARD SPECIFICATIONS WITH SUPPLEMENT FROM SUDAS. ANY ALTERNATE PROPOSED TO BE USED BY THE CONTRACTOR SHALL BE APPROVED BY THE OWNER AND ENGINEER PRIOR TO CONSTRUCTION.

IF ARCHAEOLOGICAL REMAINS ARE UNCOVERED ON THE PROJECT, CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY.

IN THE EVENT OF A DISCREPANCY BETWEEN THE QUANTITY ESTIMATES AND THE DETAILED PLANS, THE DETAILED PLANS SHALL GOVERN.

CONSRTUCTION STAKING WILL BE COMPLETED BY THE ENGINEER. STAKING REQUESTS SHALL BE MADE A MINIMUM OF 48 HOURS PRIOR.

SIDEWALKS, DRIVEWAYS, AND RELATED WORK

GRADING TO MEET DEVIATIONS IN DRIVEWAYS AND SUBGRADE PREPARATION FOR CONCRETE SIDEWALKS SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.

WHERE REMOVAL OR REPLACEMENT OF DRIVEWAYS IS REQUIRED, CONTRACTOR SHALL REMOVE AND REPLACE TO THE NEAREST EXISTING JOINT. FULL-DEPTH SAWCUT ALL EXISTING PAVEMENTS AT REMOVAL BOUNDARY. CONTRACTOR WILL REMOVE AND REPLACE THE MINIMUM AMOUNT OF SIDEWALK NECESSARY TO MEET OR SURPASS THE REQUIREMENTS SET FORTH IN THE SPECIFICATIONS OR CONSTRUCTION DRAWINGS, WHICHEVER IS MOST RESTRICTIVE.

THE CONTRACTOR SHALL NOTIFY RESIDENTS A MINIMUM OF 24 HOURS PRIOR TO THE REMOVAL AND REPLACEMENT OF DRIVEWAYS. THE CONTRACTOR SHALL MAINAIN WALKING ACCESS TO EACH RESIDENCE WHILE PERFORMING DRIVEWAY CONSTRUCTION OPERATIONS.

SIDEWALKS AND PEDESTRIAN RAMPS SHALL BE INSTALLED IN ACCORDANCE WITH THE SEPTEMBER 7, 2023 PROPOSED ACCESSIBILITY GUIDELINES FOR PEDESTRIAN FACILITIES IN THE PUBLIC RIGHT-OF-WAY (PROWAG).

PROJECT CONTACTS

CITY OF ADEL
PARKS AND RECREATION DIRECTOR
NICK SCHENCK
301 S 10TH ST
ADEL, IA 50003
515-993-4525

ENGINEER
ALEX SCHLADER, PE
1535 SW MARKET ST, STE 200
ANKENY, IA 50023
515-293-7572

PUBLIC WORKS DIRECTOR
KIP OVERTON
301 S 10TH ST
ADEL, IA 50003
515-993-4525

INDEX OF TABULATIONS		
Tabulation	Tabulation Title	Sheet No.
100-0A	ESTIMATED ROAD QUANTITIES	C.2
100-04A	ESTIMATE REFERENCE INFORMATION	C.2
100-05	CURB AND GUTTER	C.4
100-08	REMOVAL OF FENCE	C.3
100-19	SLOPE SEDIMENT CONTROL DEVICES	RC.01
102-03	ACCESS POINTS & SAFETY RAMPS	C.4
104-10	ADJUSTMENT OF FIXTURES	C.4
105-04	STANDARDS	C.2
108-22	PAVEMENT MARKING LINE TYPES	C.4
108-26A	STAGING NOTES	J.1
110-01	REMOVAL OF PAVEMENT	C.3
110-05	SIDEWALK REMOVAL	C.3
110-08	REMOVAL OF CONCRETE DRIVES	C.3
110-17	CLEARING AND GRUBBING	C.3
111-25	INDEX OF TABULATIONS	C.1
113-01A	SIDEWALKS	C.5
113-01	SIDEWALKS	C.5
113-10	SIDEWALK COMPLIANCE VALUES	S.5
190-61	EXISTING SIGNS TO BE REINSTALLED	C.3
190-62	EXISTING SIGNS TO BE REMOVED	C.3



McCLURE™

1360 NW 121st Street, Suite A
Clive, IA 50325
main 515.964.1229

Ankeny, IA | Carroll, IA | Clive, IA
Cedar Rapids, IA | Coralville, IA
Fort Dodge, IA | Sioux City, IA

Macon, MO | Columbia, MO
North Kansas City, MO

Lenexa, KS
Boston, MA | Portsmouth, NH

NOTICE:
McClure Engineering Co. is not responsible or liable for any issues, claims, damages, or losses (collectively, "Losses") which arise from failure to follow these Plans, Specifications, and the engineering intent they convey, or for Losses which arise from failure to obtain and/or follow the engineers' or surveyors' guidance with respect to any alleged errors, omissions, inconsistencies, ambiguities, or conflicts contained within the Plans and Specifications.

REVISIONS

1

2

3

4

5

6

7

8

9

10

PROJECT INFO

2022000959

ENGINEER

ATS

DRAWN BY

KEC

CHECKED BY

CFF

ADEL RECREATION TRAIL CONNECTION
EVANS PARK - RACCOON RIVER VALLEY TRAIL
ADEL, IA

TAP-U-0035(605)--81-25

QUANTITIES, ESTIMATE REFERENCE
INFORMATION, AND GENERAL NOTES




DRAWING NO.
C.01

ESTIMATED ROADWAY QUANTITIES (1 DIVISION PROJECT)						100_04A 10 - 28 - 97
Item No.	Item Code	Item	Unit	Total	As Built Qty.	
1	2101-0850002	CLEARING AND GRUBBING	UNIT	26.8		
2	2102-2710070	EXCAVATION, CLASS 10, ROADWAY AND BORROW	CY	76		
3	2102-2710090	EXCAVATION, CLASS 10, WASTE	CY	165		
4	2105-8425015	TOPSOIL, STRIP, SALVAGE AND SPREAD	CY	200		
5	2123-7450020	SHOULDER FINISHING, EARTH	STA	32		
6	2315-8275025	SURFACING, DRIVEWAY, CLASS A CRUSHED STONE	TON	20		
7	2435-0600010	MANHOLE ADJUSTMENT, MINOR	EA	3		
8	2510-6745850	REMOVAL OF PAVEMENT	SY	233		
9	2511-0302600	RECREATIONAL TRAIL, PORTLAND CEMENT CONCRETE, 6 IN.	SY	1199		
10	2511-0310100	SPECIAL COMPACTION OF SUBGRADE FOR RECREATIONAL TRAIL	SY	1823		
11	2511-6745900	REMOVAL OF SIDEWALK	SY	713		
12	2511-7526004	SIDEWALK, P.C. CONCRETE, 4 IN.	SY	31		
13	2511-7526006	SIDEWALK, P.C. CONCRETE, 6 IN.	SY	13		
14	2511-7528101	DETECTABLE WARNING	SF	246		
15	2512-1725256	CURB AND GUTTER, P.C. CONCRETE, 2.5 FT.	LF	839		
16	2515-2475006	DRIVEWAY, P.C. CONCRETE, 6 IN.	SY	340		
17	2515-6745600	REMOVAL OF PAVED DRIVEWAY	SY	283		
18	2519-4200190	REMOVAL OF FENCE, WOOD	LF	7		
19	2524-6765010	REMOVE AND REINSTALL SIGN AS PER PLAN	EACH	20		
20	2524-6765110	REMOVAL OF TYPE A SIGN	EACH	1		
21	2524-9276021	PERFORATED SQUARE STEEL TUBE POST ANCHOR, BREAK-AWAY SOIL INSTALLATION	EACH	14		
22	2527-9263209	PAINTED PAVEMENT MARKINGS, WATERBORNE OR SOLVENT-BASED	STA	8.41		
23	2528-8445110	TRAFFIC CONTROL	LS	1		
24	2533-4980005	MOBILIZATION	EACH	1		
25	2599-9999010	RAPID RECTANGULAR FLASHING BEACON, SOLAR POWERED	LS	1		
26	2601-2634105	MULCHING, BONDED FIBER MATRIX	AC	1		
27	2601-2636044	SEEDING AND FERTILIZING (URBAN)	AC	0.5		
28	2601-2642120	STABILIZING CROP - SEEDING AND FERTILIZING (URBAN)	AC	0.5		
29	2602-0000309	PERIMETER AND SEDIMENT CONTROL DEVICES, 9 IN.	LF	1907		
30	2602-0000351	REMOVAL OF PERIMETER AND SEDIMENT CONTROL DEVICES, 9 IN.	LF	1907		

STANDARDS			105_04 4 / 16 / 24
The follow ing Standards apply to construction w ork on this project.			
Number	Date	Title	
EC-204	10/19/2021	PERIMETER, SLOPE AND DITCH CHECK SEDIMENT CONTROL DEVICES	
EC-603	10/17/2023	EROSION CONTROL FOR INTAKE OR MANHOLE WELL	
MI-210	10/21/2025	PCC DRIVEWAYS AND ALLEYS	
M-220	4/15/2025	DETECTABLE WARNINGS AND PEDESTRIAN RAMP	
PM-110	10/15/2024	LINE TYPES	
PV-101	1/1/2026	JOINTS	
PV-102	10/21/2025	PCC CURB DETAILS	
SI-101	4/19/2016	LOCATIONS - TYPE 'A' SIGNS	
TC-202	4/18/2023	WORK WITHIN 15 FT OF TRAVELED WAY	
TC-601	10/15/2019	PEDESTRIAN DETOUR	
TC-211	10/15/2019	LANE CLOSURE ON LOW VOLUME ROADWAY	

ESTIMATE REFERENCE INFORMATION			100_04A 8 / 2 / 23
Item No.	Item Code	Description	
1	2101-0850002	CLEARING AND GRUBBING Refer to F-Sheets for clearing locations. There is no grubbing associated with this project. This item is for trimming shrubs within the right-of-way in order to construct the trail. All material generated as a result of clearing shall become the property of the contractor and must be disposed of off site.	
2	2102-2710070	EXCAVATION, CLASS 10, ROADWAY AND BORROW Based on a total adjusted fill of 76 CY (Shrinkage Factor of 1.3). Refer to W-Sheets for details.	
3	2102-2710090	EXCAVATION, CLASS 10, WASTE Based on a total cut of 241 CY minus a total adjusted fill of 76 CY (Shrinkage Factor of 1.3) to equal 165 CY of waste.	
4	2105-8425015	TOPSOIL, STRIP, SALVAGE AND SPREAD Refer to B-Sheet Typical Sections for details. Quantity assumes 6" stripping depth and 6" spread thickness. Excess topsoil material shall either be wasted in fill slopes or hauled to stockpile within the City of Adel. Contractor shall coordinate location with the City of Adel.	
5	2123-7450020	SHOULDER FINISHING, EARTH Refer to B-Sheet Typical Sections for details.	
6	2315-8275025	SURFACING, DRIVEWAY, CLASS A CRUSHED STONE Refer to C-Sheets, Tab. 102-03 for details. Refer to L-Sheets for locations. Unit weight of 140 pcf was used to determine quantity.	
7	2435-0600010	MANHOLE ADJUSTMENT, MINOR Refer to D-Sheets and C-Sheets, Tab. 104-10, for locations and details. New castings shall be considered incidental to this item.	
8	2510-6745850	REMOVAL OF PAVEMENT Refer to C-Sheets, Tab. 110-01 and F-Sheets for locations and details. Existing pavement assumed to be 8" depth.	
9	2511-0302600	RECREATIONAL TRAIL, PORTLAND CEMENT CONCRETE, 6 IN. Refer to C-Sheets, Tab. 113-01 and S-Sheets for locations. Certified plant inspection (CPI) is incidental to this item. Adjustment of water features is incidental to this item.	
10	2511-0310100	SPECIAL COMPACTION OF SUBGRADE FOR RECREATIONAL TRAIL Refer to B-Sheet Typical Sections for details.	
11	2511-6745900	REMOVAL OF SIDEWALK Refer to C-Sheets, Tab. 110-05 and F-Sheets for locations. Existing sidewalk is assumed to be 4" PCC.	
12	2511-7526004	SIDEWALK, P.C. CONCRETE, 4 IN.	
13	2511-7526006	SIDEWALK, P.C. CONCRETE, 6 IN. Refer to C-Sheets, Tab. 113-01 for locations. Refer to S-Sheets for Sidewalk Compliance Tab. 113-10 and ramps details. CPI is incidental to this item. Adjustment of water features is incidental to this item.	
14	2511-7528101	DETECTABLE WARNING Refer to C-Sheets, Tab. 113-01A for locations. Refer to S-Sheets for details. Panels shall be cast iron with natural finish.	
15	2512-1725256	CURB AND GUTTER, P.C. CONCRETE, 2.5 FT. Refer to C-Sheets, Tab. 100-05 for details. Refer to L-Sheets for locations. CPI is incidental to this item.	
16	2515-2475006	DRIVEWAY, P.C. CONCRETE, 6 IN. Refer to C-Sheets, Tab. 102-03 for details. Refer to L-Sheets for locations. CPI is incidental to this item. Construction of the driveways at properties 1319 Pleasant Street and 303 S 14th Street shall be completed 1/2 at a time to maintain vehicular access at all times. Item includes 4" sloped curb in driveway at property 4155 S 14th Street, see Sheet L.01 for details.	
17	2515-6745600	REMOVAL OF PAVED DRIVEWAY Refer to C-Sheets, Tab. 110-08 and F-Sheets for locations. Existing driveway is assumed to be 6" PCC.	
18	2519-4200190	REMOVAL OF FENCE, WOOD Refer to C-Sheets, Tab. 100-08 for details and F-Sheets for location.	
19	2524-6765010	REMOVE AND REINSTALL SIGN AS PER PLAN Refer to C-Sheets, Tab. 190-61 for details. Refer to F- and N-Sheets for locations. The Contractor shall remove each sign and sign post. Sign damage caused by the Contractor's activities shall be replaced at the Contractor's expense. Replacement materials shall be new. Measurement will be taken by each sign removed and reinstalled onto a new perforated square steel post. Payment will be made at the contract unit price for each sign removed and reinstalled.	
20	2524-6765110	REMOVAL OF TYPE A SIGN Refer to C-Sheets, Tab. 190-61 and 190-62 for details. Refer to F-Sheets for locations.	
21	2524-9276021	PERFORATED SQUARE STEEL TUBE POST ANCHOR, BREAK-AWAY SOIL INSTALLATION Refer to C-Sheets, Tab. 190-61 for details. Refer to N-Sheets for locations.	
22	2527-9263209	PAINTED PAVEMENT MARKINGS, WATERBORNE OR SOLVENT-BASED Refer to C-Sheets, Tab. 108-22 and N-Sheets for locations and details.	
23	2528-8445110	TRAFFIC CONTROL Refer to J-Sheets, Traffic Control Plan for details.	
24	2533-4980005	MOBILIZATION	
25	2599-9999010	RAPID RECTANGULAR FLASHING BEACON, SOLAR POWERED Refer to B-Sheets, Typical Sections for details. Refer to N-Sheets for locations. This item includes all labor, materials, and equipment needed for the Contractor to install two (2) Solar Powered Rapid Rectangular Flashing Beacons (RRFB) and shall be measured and paid as a lump sum. The system shall be RTC Solar Powered Pedestrian Crossing Assembly with Rectangular Rapid Flashing Beacon Assembly with INX Push Buttons or an approved equal. The crossing system shall be installed per plan and according to RTC Manufacturing's recommended specifications. Work shall include but is not limited to furnishing and placing signal pole foundations, signs as shown in the plans, required electrical connection, conduit, wiring, RRFB light bars, solar panel, battery, control cabinet, APS Buttons, and any other equipment required for the system to function per manufacturers specifications.	
26	2601-2634105	MULCHING, BONDED FIBER MATRIX Refer to RR-Sheets for locations. Item is based on the proposed disturbed area and accounts for both permanent and temporary seeding operations.	
27	2601-2636044	SEEDING AND FERTILIZING (URBAN) Refer to RR-Sheets for locations. Permanent seeding shall occur at the completion of all disturbed areas at the end of the project and shall be placed during the seeding window, unless approved by the Engineer.	
28	2601-2642120	STABILIZING CROP - SEEDING AND FERTILIZING (URBAN) Refer to RR-Sheets for locations. This item shall be used to temporarily seed areas ceased on any portion of the site and will not resume for a period exceeding 14 calendar days. Temporary seeding shall be placed on all disturbed areas immediately after clearing, grading, excavating, or other earth disturbing activities.	
29	2602-0000309	PERIMETER AND SEDIMENT CONTROL DEVICES, 9 IN. Refer to C-Sheets, Tab. 100-19 and RR-Sheets for locations. The tabulation includes estimated locations for placement of "Perimeter and Slope Sediment Control Device, 9 in. Diameter" to address erosion to be encountered during construction. Verify the specific locations with the Engineer prior to beginning placement. Item includes maintenance and clean-out of sediment control devices as required by Engineer.	
30	2602-0000351	REMOVAL OF PERIMETER AND SEDIMENT CONTROL DEVICES, 9 IN. This item is included for perimeter and slope sediment control device removal required for staging reasons, removal to allow for replacement (replacement paid separately), or for areas that have achieved 70% uniform permanent growth.	



1360 NW 121st Street, Suite A
Clive, IA 50325
main 515.964.1229

Ankeny, IA | Carroll, IA | Clive, IA
Cedar Rapids, IA | Coralville, IA
Fort Dodge, IA | Sioux City, IA

Macon, MO | Columbia, MO
North Kansas City, MO

Lenexa, KS
Boston, MA | Portsmouth, NH

NOTICE:
McClure Engineering Co. is not responsible or liable for any issues, claims, damages, or losses (collectively, "Losses") which arise from failure to follow these Plans, Specifications, and the engineering intent they convey, or for Losses which arise from failure to obtain and/or follow the engineers' or surveyors' guidance with respect to any alleged errors, omissions, inconsistencies, ambiguities, or conflicts contained within the Plans and Specifications.

REVISIONS

1	
2	
3	
4	
5	
6	
7	
8	
9	
10	


PROJECT INFO
2022000959

ENGINEER	DRAWN BY	CHECKED BY
ATS	KEC	CFF

ADEL RECREATION TRAIL CONNECTION
EVANS PARK - RACCOON RIVER VALLEY TRAIL
ADEL, IA
TAP-U-0035(605)--81-25

QUANTITIES, ESTIMATE REFERENCE
INFORMATION, AND GENERAL NOTES

P:\2022000959\04Drawings\CallPlans\SH_T_2022000959_C.dgn



DRAWING NO.
C.02

REMOVAL OF PAVEMENT								110_01 4 / 5 / 24
* Not a bid item.								
Line No.	Station From	Station To	Side	Pavement Type	Area (SY)	Saw Cut* (LF)	Remarks	
1	101+90.77	102+00.55	LT	PCC	3.94	14.2	Assumed 8" PCC. 13 LF of curb and gutter.	
2	102+22.52	102+32.15	LT	PCC	3.91	14.1	Assumed 8" PCC. 13 LF of curb and gutter.	
3	103+79.35	104+11.36	LT	PCC	10.3	37.1	Assumed 8" PCC. 32 LF of curb and gutter.	
4	104+36.33	104+46.44	LT	PCC	4.02	14.5	Assumed 8" PCC. 13 LF of curb and gutter.	
5	104+68.97	104+78.84	LT	PCC	3.97	14.3	Assumed 8" PCC. 13 LF of curb and gutter.	
6	107+03.55	107+13.48	LT	PCC	3.97	14.3	Assumed 8" PCC. 13 LF of curb and gutter.	
7	107+36.04	107+46.70	LT	PCC	4.13	14.9	Assumed 8" PCC. 13 LF of curb and gutter.	
8	108+13.45	108+67.45	LT	PCC	13.88	50.0	Assumed 8" PCC. 54 LF of curb and gutter.	
9	109+17.08	109+51.33	LT	PCC	8.94	32.2	Assumed 8" PCC. 34 LF of curb and gutter.	
10	111+02.33	111+31.03	LT	PCC	12.33	44.4	Assumed 8" PCC. 44 LF of curb and gutter.	
11	111+02.59	111+11.96	LT	PCC	2.63	9.5	Assumed 8" PCC. 10 LF of curb and gutter.	
12	111+85.58	111+93.64	LT	PCC	2.22	8.0	Assumed 8" PCC. 8 LF of curb and gutter.	
13	111+57.45	117+08.17	LT	HMA	158.8	571.7	Assumed 8" HMA. 566 LF of curb and gutter.	
TOTALS:					233.04	839.269		

SIDEWALK REMOVAL						110_05 8 / 15 / 22
* Not a bid item						
Line No.	Station From	Station To	Area (SY)	Saw Cut* (LF)	Remarks	
1	100+50.00	101+95.69	72.89	20.9	Assumed 4" PCC	
2	102+26.48	103+82.61	66.75	4	Assumed 4" PCC	
3	104+08.11	104+42.59	14.47	0	Assumed 4" PCC	
4	104+74.05	107+09.34	100.96	4	Assumed 4" PCC	
5	107+40.24	108+25.07	36.28	4	Assumed 4" PCC	
6	108+56.45	109+22.55	28.51	8	Assumed 4" PCC	
7	109+43.62	111+28.56	92.46	4	Assumed 4" PCC	
8	111+00.13	111+11.24	12.93	7.98	Assumed 4" PCC	
9	111+87.07	111+93.65	7.19	3.89	Assumed 4" PCC	
10	111+60.12	114+96.02	169.41	3.84	Assumed 4" PCC	
11	115+11.68	115+45.03	15.67	0	Assumed 4" PCC	
12	115+65.01	117+15.85	95.06	12.7	Assumed 4" PCC	
TOTALS:			712.58	73.39		

REMOVAL OF CONCRETE DRIVES						110_08 8 / 15 / 22
* Not a bid item						
Line No.	Station	Side	Area (SY)	Saw Cut* (LF)	Remarks	
1	103+82.33	LT	37.70	26.00	Assumed 6" PCC	
2	108+24.55	LT	99.90	34.40	Assumed 6" PCC	
3	109+17.09	LT	29.50	21.00	Assumed 6" PCC	
4	114+85.07	LT	58.10	24.30	Assumed 6" PCC	
5	115+36.06	LT	56.90	20.00	Assumed 6" PCC	
TOTALS:			282.10	125.70		

CLEARING AND GRUBBING																							110_17 6 / 12 / 23
Line No.	Station From	Station To	Direction of Traffic	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"	Other Materials Length (FT)	Other Materials Width (FT)	Estimated Units	Estimated Area (Acres)	Estimated Herbicide Application (EA)	Remarks
1	105+30.00	106+10.00	NB	Hedge Rows - Clearing														80		24			AS NEEDED
2	106+12.50	106+50.00	NB	Trees - Clearing				1												2.8			AS NEEDED
TOTALS:					0	0	0	1	0	0	0	0	0	0	0	0	0	80	0	26.8	0	0	

REMOVAL OF FENCE									100_08 8 / 15 / 22
Removal of Field Fence is incidental to Clearing and Grubbing.									
Line No.	Station From	Offset	Station To	Offset	Side	Type	Length (LF)	Remarks	
1	108+68.26	1.58	108+68.34	4.68	LT	WOOD	6.26		
TOTAL:							6.26		

EXISTING SIGNS TO BE REINSTALLED											100_01 2 / 10 / 23
Line No.	Sign Description	Direction of Travel	Location Station	Number of Posts	Square Tube Steel Posts (LF)	Wood Posts 4" x 4" (LF)	Wood Posts 4" x 6" (LF)	Installation Type	Installation Dim 'X'	See Signing Notes	
1	SOLAR SPEED LIMIT	NB	100+75.63	1	14			3	3.5		
2	NO PARKING	NB	100+96.23	1	12			3	3.5		
3	STREET NAMES	ALL	102+33.18	1	12			3	14.2		
4	NO PARKING	NB	103+20.35	1	12			3	3.5		
5	STREET NAMES	ALL	104+75.37	1	12			3	13.7		
6	SPEED LIMIT	NB	104+95.37	1	14			3	2.5		
7	NO PARKING	NB	104+95.37					3		INSTALL ON POST WITH LINE 6	
8	STREET NAMES	ALL	107+43.14	1	12			3	13.6		
9	NO PARKING	NB	108+78.49	1	12			3	2		
10	STOP	NB	110+98.47	1	12			3	2		
11	STOP	WB	111+66.15	1	12			3	16.2		
12	STOP	SB	111+98.33	1	12			3	2		
13	NO TRUCK TRAFFIC	NB	112+18.97	1	14			3	2		
14	NO PARKING	NB	112+18.97					3		INSTALL ON POST WITH LINE 13	
15	REVERSE TURN	NB	112+34.00	1	12			3	2		
16	BIKE	NB	116+80.44	1	14			3	2		
17	DOWN-LEFT ARROW	NB	116+80.44					3		INSTALL ON POST WITH LINE 16	
TOTALS:				14	176	0	0				

190_02
2 / 13 / 23

EXISTING SIGNS TO BE REMOVED												
Line No.	Sign Number or Description	Location Station	Direction of Travel	Type 'A' Sign Assembly (RA) (EA)	Type 'B' Sign Assembly (RB) (EA)	Type 'A' Remove and Reinstall (RR) (EA)	Type 'B' Remove and Reinstall (RF) (EA)	Concrete Foundation (RS) (EA)	Support Structure & Foundation (RS) (EA)	Applicable Signing Notes	Remarks	
1	SOLAR SPEED LIMIT	100+75.15	NB			1						
2	NO PARKING	100+96.23	NB			1						
3	STREET NAMES	102+33.18	ALL			2					"HYVUE ST" & "S 14TH ST"	
4	NO PARKING	103+20.45	NB			1						
5	STREET NAMES	104+75.38	ALL			2					"PLEASANT ST" & "S 14TH ST"	
6	SPEED LIMIT	105+70.05	NB			1						
7	NO PARKING	105+70.05	NB			1						
8	STREET NAMES	107+43.16	ALL			2					"ORCHARD ST" & "S 14TH ST"	
9	NO PARKING	108+72.07	NB			1						
10	STOP	111+11.76	NB			1						
11	PED. CROSSING	111+67.11	WB	1								
12	STOP	111+70.55	WB			1						
13	STOP	111+84.05	SB			1						
14	NO TRUCK TRAFFIC	112+19.45	NB			1						
15	NO PARKING	112+19.45	NB			1						
16	REVERSE TURN	112+34.16	NB			1						
17	BIKE	116+80.75	NB			1						
18	DOWN-LEFT ARROW	116+80.75	NB			1						
TOTALS:				1	0	20	0	0	0			



McCLURE™

1360 NW 121st Street, Suite A
Clive, IA 50325
main 515.964.1229

Ankeny,IA | Carroll,IA | Clive,IA
Cedar Rapids,IA | Coralville,IA
Fort Dodge,IA | Sioux City,IA
Macon,MO | Columbia,MO
North Kansas City,MO
Lenexa, KS
Boston, MA | Portsmouth, NH

NOTICE:
McClure Engineering Co. is not responsible or liable for any issues, claims, damages, or losses (collectively, "Losses") which arise from failure to follow these Plans, Specifications, and the engineering intent they convey, or for Losses which arise from failure to obtain and/or follow the engineers' or surveyors' guidance with respect to any alleged errors, omissions, inconsistencies, ambiguities, or conflicts contained within the Plans and Specifications.

REVISIONS

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

29

30

31

32

33

34

35

36

37

38

39

40

41

42

43

44

45

46

47

48

49

50

51

52

53

54

55

56

57

58

59

60

61

62

63

64

65

66

67

68

69

70

71

72

73

74

75

76

77

78

79

80

81

82

83

84

85

86

87

88

89

90

91

92

93

94

95

96

97

98

99

100

PROJECT INFO
2022000959

ENGINEER
ATS

DRAWN BY
KEC

CHECKED BY
CFF

ADEL RECREATION TRAIL CONNECTION
EVANS PARK - RACCOON RIVER VALLEY TRAIL
ADEL, IA
TAP-U-0035(605)--8I-25

QUANTITIES, ESTIMATE REFERENCE
INFORMATION, AND GENERAL NOTES

CURB AND GUTTER

100_05
10 / 17 / 23

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+90.77	102+00.55	LT	14.2				14.2									
2	102+22.52	102+32.15	LT	14.1				14.1									
3	103+79.35	104+11.37	LT	32				32									Residential Entrance
4	104+36.33	104+46.44	LT	14.5				14.5									
5	104+68.97	104+78.84	LT	14.3				14.3									
6	107+03.55	107+13.48	LT	14.3				14.3									
7	107+36.04	107+46.70	LT	14.9				14.9									
8	108+15.41	108+65.39	LT	50				50									Residential Entrance
9	109+17.09	109+51.33	LT	32.3				32.3									Residential Entrance
10	111+02.33	111+31.03	LT	48.7				48.7									
11	111+02.59	111+11.96	LT	9.5				9.5									
12	111+85.58	111+93.64	LT	8				8									
13	111+57.45	117+08.17	LT	571.7				571.7									
TOTALS:				838.5				838.5									

ACCESS POINTS AND SAFETY RAMPS

102_03
10 / 15 / 24

Length of Unclassified Pipe calculated is based on using Corrugated Metal Pipe.

(1) Refer to MI-210.

(2) Refer to EW-501.

(3) Refer to EVV-501 or EVV-502.

*Predetermined for access point not constructed with this project.

Line No.	Station	Side	Access Type	Descriptor	Case	Curb Type	Curb Length (1) (LF)	Width (FT)	PR (1) (2) (FT)	SR (2) (FT)	Pipe Culvert (H) (3) (FT)	Pipe Culvert Size (3) (IN)	Culvert Length (3) (LF)	Pipe Culvert Lt. (3) (LF)	Pipe Culvert Rt. (3) (LF)	Culvert Aprons (3) (No.)	Driveway Surface Type	Driveway Surface Area (SY)	Driveway Surfacing Material (TON)	Remarks
1	103+95.38	LT	C	RESIDENTIAL		2	32.0	26.0									PCC	37.6		
2	108+39.96	RT	C	RESIDENTIAL		2	50.0	30.0									PCC	95.0		
3	109+33.19	LT	C	RESIDENTIAL		2	34.2	21.0									PCC	29.3		
4	113+58.15	LT	C	RESIDENTIAL		2	28.0	22.0									PCC	30.7	4.2	
5	114+52.28	LT	C	RESIDENTIAL		2	29.8	22.2									PCC	33.7	12.0	
6	115+00.10	LT	C	RESIDENTIAL		2	24.3	18.2									PCC	63.4		
7	115+55.01	LT	C	RESIDENTIAL		2	26.0	20.0									PCC	49.4		
TOTALS:							224.3	159.4										339.149	16.2	

PAVEMENT MARKING LINE TYPES

100_22
10 / 21 / 24

Line factors based on 6-inch wide continuous line.

*BCY 4 - Place on the same side of the roadway to match existing markings near the project.

**NPY 4 - Estimating purposes only. No Passing Zone Lines will be located in the field.


***MNY 6 - Factor of 1.00 includes number of 6-inch passes to cover median nose area.

Line No.	Road ID	Station From	Station To	Lane	Marking Type	Left	Center	Right	Groove Marking Needed?	Groove Qty. (STA)	CBW6 Factored (STA)	CLW6 Factored (STA)	SLW2 Factored (STA)		Remarks
1	HYVUE ST	101+95.69	102+27.33	BOTH	CLW6		X		NO			0.63			
2	PLEASANT ST	104+41.48	104+73.85	BOTH	CLW6		X		NO			0.65			
3	ORCHARD ST	107+08.57	107+41.15	BOTH	CLW6		X		NO			0.65			
4	S 14TH ST	110+98.46	110+98.46	NB	SLW2		X		NO				0.59		
5	S 14TH ST	111+03.49	111+09.49	BOTH	CLW6		X		NO			0.62			
6	GREENE ST	111+26.33	111+64.33	BOTH	CBW6		X		NO		3.80				
7	S 14TH ST	111+87.34	111+93.34	BOTH	CLW6		X		NO			0.51			
8	S 14TH ST	111+98.33	111+98.33	SB	SLW2		X		NO				0.51		
9	S 14TH ST	116+86.89	116+96.89	BOTH	CLW6		X		NO			0.45			
TOTALS:										0.00	3.80	3.51	1.10	0.00	

ADJUSTMENT OF FIXTURES

104_10
4 / 16 / 24

Line No.	Item No.	Location Station	Side	Distance	Type of Fixture	Adjustment
1		114+81.80	RT	21.45	STORM MANHOLE	MINOR
2		115+32.10	LT	11.78	STORM GRATE	MINOR
3		116+76.14	LT	3.17	STORM MANHOLE	MINOR



McCLURE™

1360 NW 121st Street, Suite A
Clive, IA 50325
main 515.964.1229

Ankeny, IA | Carroll, IA | Clive, IA
Cedar Rapids, IA | Coralville, IA
Fort Dodge, IA | Sioux City, IA
Macon, MO | Columbia, MO
North Kansas City, MO
Lenexa, KS
Boston, MA | Portsmouth, NH

NOTICE:

McClure Engineering Co. is not responsible or liable for any issues, claims, damages, or losses (collectively, "Losses") which arise from failure to follow these Plans, Specifications, and the engineering intent they convey, or for Losses which arise from failure to obtain and/or follow the engineers' or surveyors' guidance with respect to any alleged errors, omissions, inconsistencies, ambiguities, or conflicts contained within the Plans and Specifications.

REVISIONS

1
2
3
4
5
6
7
8
9
10


PROJECT INFO
2022000959

ENGINEER: ATS DRAWN BY: KEC CHECKED BY: CFF

ADEL RECREATION TRAIL CONNECTION
EVANS PARK - RACCOON RIVER VALLEY TRAIL
ADEL, IA TAP-U-0035(605)--8I-25

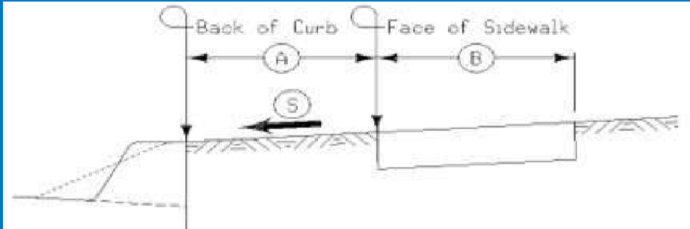
QUANTITIES, ESTIMATE REFERENCE
INFORMATION, AND GENERAL NOTES

P:\2022000959\04\Drawings\Call Plans\SHI_2022000959_C.dgn



DRAWING NO.
C.04

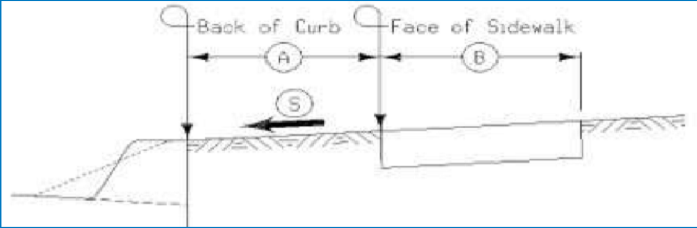
SIDEWALKS
See M-220 and S Sheets



113_01
3/29/24


Line No.	Intersection / Road	Quadrant/Side	A (FT)	B (FT)	S %	Sidewalk Thickness (IN)	Sidewalk Length (FT)	Sidewalk Width (FT)	Sidewalk Area (SY)	4" PCC Sidewalk (SY)	6" PCC Sidewalk (SY)	8" PCC Sidewalk (SY)	10" PCC Sidewalk (SY)	Detectable Warnngs (SF)	Remarks
1	HYVUE ST	SE	VARIES	8	VARIES	6	17.1	8	11.5		11.5			20.6	
2	HYVUE ST	NE	VARIES	8	VARIES	6	17.0	8	11.4		11.4			20.4	
3	PLEASANT ST	SE	4.3	8	VARIES	6	15.3	8	11.1		11.1			21.0	
4	PLEASANT ST	NE	VARIES	8	VARIES	6	15.1	8	10.9		10.9			21.0	
5	ORCHARD ST	SE	4	8	VARIES	6	15.1	8	10.9		10.9			21.0	
6	ORCHARD ST	NE	4	8	VARIES	6	16.0	8	11.4		11.4			22.0	
7	GREENE ST	SE	VARIES	4	VARIES	6	4.0	4	2.1		2.1			8.0	
8	GREENE ST	SE	VARIES	8	VARIES	6	12.0	8	15.5		15.5			23.7	
9	GREENE ST	NE	0	4	VARIES	6	4.3	4	2.4		2.4			4.0	
10	GREENE ST	NE	0	4	VARIES	6	26.7	4	20.9		20.9			8.0	
11	GREENE ST	NW	0	4	VARIES	6	12.8	4	5.3		5.3			8.0	
12	GREENE ST	SW	VARIES	4	VARIES	6	6.0	4	2.3		2.3			8.0	
13	RRVT	W	0	10	VARIES	6	10.0	10	9.4		9.4			20.0	
14	RRVT	E	0	10	VARIES	6	5.1	10	4.0		4.0			20.0	
TOTALS:							176.5		129.1		129.1			225.7	

SIDEWALKS
See M-220 and S Sheets



113_01A
8/15/22

Line No.	Road Identification	Station From	Station To	Side	A (FT)	B (FT)	S %	Sidewalk Thickness (IN)	Sidewalk Length (FT)	Sidewalk Width (FT)	Sidewalk Area (SY)	4" PCC Sidewalk (SY)	6" PCC Sidewalk (SY)	8" PCC Sidewalk (SY)	10" PCC Sidewalk (SY)	Detectable Warnngs (SF)	Remarks
1	S 14TH ST	100+50.01	101+80.66	LT	4.7	8	VARIES	6	130.7	8	122.2		122.2				
2	S 14TH ST	102+42.23	103+82.34	LT	4.8	8	VARIES	6	140.1	8	124.5		124.5				
3	S 14TH ST	104+08.34	104+26.14	LT	4.4	8	VARIES	6	17.8	8	15.8		15.8				
4	S 14TH ST	104+88.96	105+10.13	LT	VARIES	8	VARIES	6	21.4	8	19.0		19.0				
5	S 14TH ST	105+10.13	106+72.17	LT	2	8	1.50%	6	162.0	8	144.0		144.0				
6	S 14TH ST	106+72.17	106+93.40	LT	VARIES	8	VARIES	6	19.0	8	19.0		19.0				
7	S 14TH ST	107+57.02	107+75.16	LT	VARIES	8	VARIES	6	18.2	8	16.2		16.2				
8	S 14TH ST	107+75.16	108+25.37	LT	2	8	1.50%	6	50.3	8	44.7		44.7				
9	S 14TH ST	108+55.06	108+65.37	LT	2	8	1.50%	6	10.0	8	8.8		8.8				
10	S 14TH ST	108+65.37	109+22.70	LT	VARIES	8	VARIES	6	57.5	8	51.2		51.2				
11	S 14TH ST	109+43.70	111+04.44	LT	4	8	VARIES	6	160.7	8	143.1		143.1				
12	S 14TH ST	111+00.13	111+08.52	LT	VARIES	4	VARIES	4	15.6	4	8.7	8.7					
13	S 14TH ST	111+17.50	111+24.02	RT	VARIES	4	VARIES	4	17.8	4	7.8	7.8					
14	S 14TH ST	111+62.03	111+75.66	RT	VARIES	4	VARIES	4	32.3	4	14.3	14.3					
15	S 14TH ST	111+92.33	113+47.52	LT	4.3	8	VARIES	6	155.2	8	143.5		143.5				
16	S 14TH ST	113+69.52	114+41.20	LT	4.6	8	VAIRES	6	71.7	8	62.2		62.2				
17	S 14TH ST	114+63.36	114+93.21	LT	VARIES	8	VARIES	6	29.8	8	23.7		23.7				
18	S 14TH ST	115+11.39	115+45.01	LT	VARIES	8	VARIES	6	33.6	8	28.6		28.6				
19	S 14TH ST	115+65.01	116+86.89	LT	VARIES	8	VARIES	6	121.9	8	108.3		108.3				
20	S 14TH ST	116+96.89	117+15.85	LT	VARIES	4	VARIES	4	19.3	4	8.4		8.4				
TOTALS:									1284.9		1114.0	30.8	1083.2				



McCLURE™
1360 NW 121st Street, Suite A
Clive, IA 50325
main 515.964.1229
Ankeny, IA | Carroll, IA | Clive, IA
Cedar Rapids, IA | Coralville, IA
Fort Dodge, IA | Sioux City, IA
Macon, MO | Columbia, MO
North Kansas City, MO
Lenexa, KS
Boston, MA | Portsmouth, NH

NOTICE:
McClure Engineering Co. is not responsible or liable for any issues, claims, damages, or losses (collectively, "Losses") which arise from failure to follow these Plans, Specifications, and the engineering intent they convey, or for Losses which arise from failure to obtain and/or follow the engineers' or surveyors' guidance with respect to any alleged errors, omissions, inconsistencies, ambiguities, or conflicts contained within the Plans and Specifications.

REVISIONS

-

-

-

-

-

-

-

-

-

-


PROJECT INFO
2022000959

ENGINEER DRAWN BY CHECKED BY
ATS KEC CFF

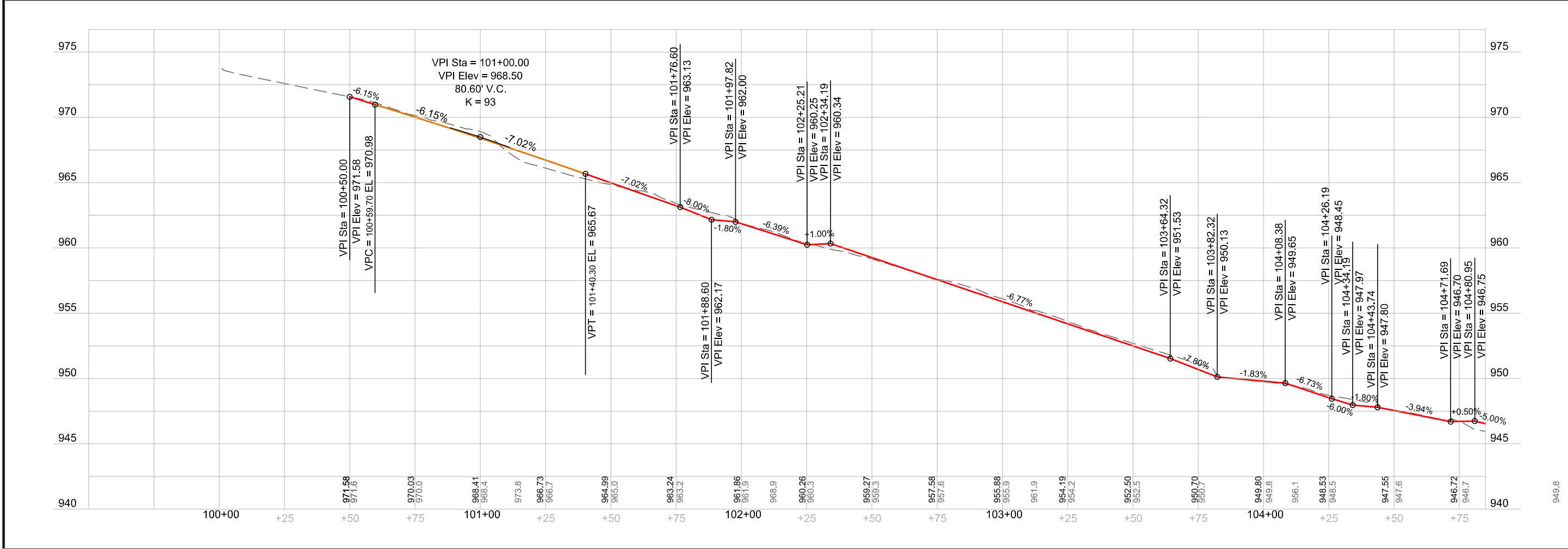
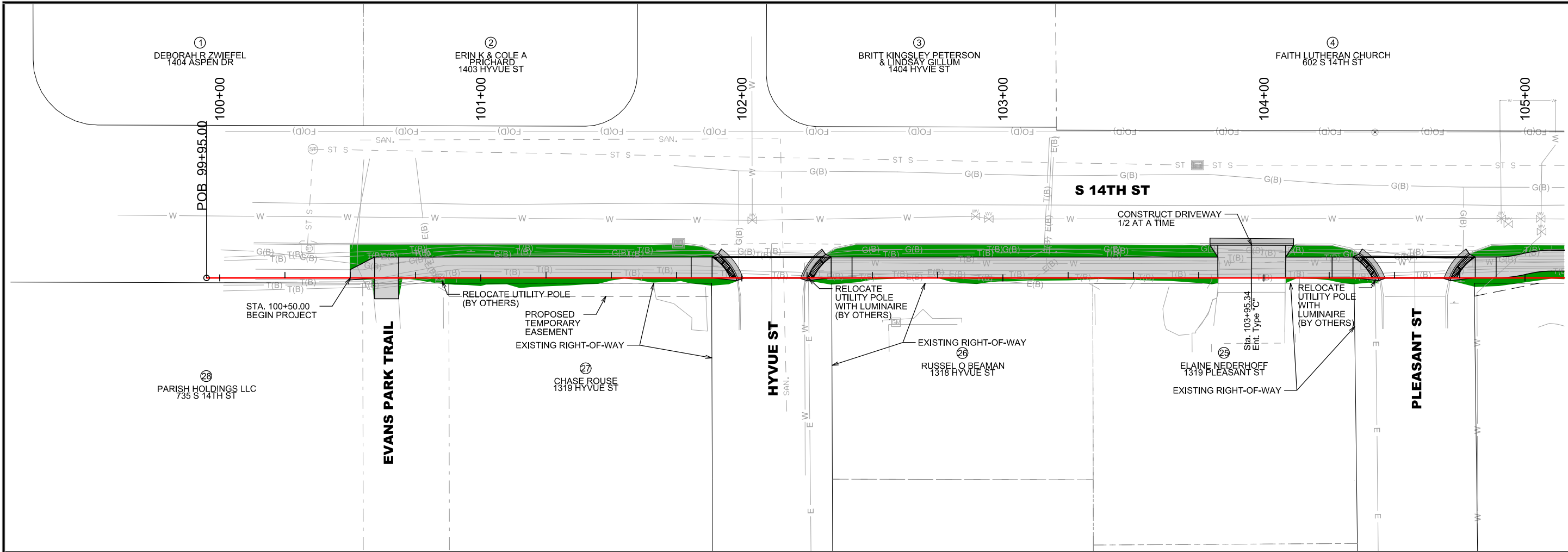
ADEL RECREATION TRAIL CONNECTION
EVANS PARK - RACCOON RIVER VALLEY TRAIL
ADEL, IA TAP-U-0035(605)--8I-25


QUANTITIES, ESTIMATE REFERENCE
INFORMATION, AND GENERAL NOTES

P:\2022000959\04-Drawings\Call Plans\SHI_2022000959_C.dgn



DRAWING NO.
C.05






1360 NW 121st Street, Suite A
Clive, IA 50325
main 515.964.1229

Ankeny, IA | Carroll, IA | Clive, IA
Cedar Rapids, IA | Coralville, IA
Fort Dodge, IA | Sioux City, IA
Macon, MO | Columbia, MO
North Kansas City, MO
Lenexa, KS
Portsmouth, NH

NOTICE:
McClure Engineering Co. is not responsible or liable for any issues, claims, damages, or losses (collectively, "Losses") which arise from failure to follow these Plans, Specifications, and the engineering intent they convey, or for Losses which arise from failure to obtain and/or follow the engineers' or surveyors' guidance with respect to any alleged errors, omissions, inconsistencies, ambiguities, or conflicts contained within the Plans and Specifications.



20 10 0 20

REVISIONS

NO.	DESCRIPTION	DATE
1	ISSUED FOR PERMIT	05/05/2022
2	REVISED	05/05/2022
3	REVISED	05/05/2022
4	REVISED	05/05/2022
5	REVISED	05/05/2022
6	REVISED	05/05/2022
7	REVISED	05/05/2022
8	REVISED	05/05/2022
9	REVISED	05/05/2022
10	REVISED	05/05/2022
11	REVISED	05/05/2022
12	REVISED	05/05/2022
13	REVISED	05/05/2022
14	REVISED	05/05/2022
15	REVISED	05/05/2022
16	REVISED	05/05/2022
17	REVISED	05/05/2022
18	REVISED	05/05/2022
19	REVISED	05/05/2022
20	REVISED	05/05/2022
21	REVISED	05/05/2022
22	REVISED	05/05/2022
23	REVISED	05/05/2022
24	REVISED	05/05/2022
25	REVISED	05/05/2022
26	REVISED	05/05/2022
27	REVISED	05/05/2022
28	REVISED	05/05/2022
29	REVISED	05/05/2022
30	REVISED	05/05/2022
31	REVISED	05/05/2022
32	REVISED	05/05/2022
33	REVISED	05/05/2022
34	REVISED	05/05/2022
35	REVISED	05/05/2022
36	REVISED	05/05/2022
37	REVISED	05/05/2022
38	REVISED	05/05/2022
39	REVISED	05/05/2022
40	REVISED	05/05/2022
41	REVISED	05/05/2022
42	REVISED	05/05/2022
43	REVISED	05/05/2022
44	REVISED	05/05/2022
45	REVISED	05/05/2022
46	REVISED	05/05/2022
47	REVISED	05/05/2022
48	REVISED	05/05/2022
49	REVISED	05/05/2022
50	REVISED	05/05/2022
51	REVISED	05/05/2022
52	REVISED	05/05/2022
53	REVISED	05/05/2022
54	REVISED	05/05/2022
55	REVISED	05/05/2022
56	REVISED	05/05/2022
57	REVISED	05/05/2022
58	REVISED	05/05/2022
59	REVISED	05/05/2022
60	REVISED	05/05/2022
61	REVISED	05/05/2022
62	REVISED	05/05/2022
63	REVISED	05/05/2022
64	REVISED	05/05/2022
65	REVISED	05/05/2022
66	REVISED	05/05/2022
67	REVISED	05/05/2022
68	REVISED	05/05/2022
69	REVISED	05/05/2022
70	REVISED	05/05/2022
71	REVISED	05/05/2022
72	REVISED	05/05/2022
73	REVISED	05/05/2022
74	REVISED	05/05/2022
75	REVISED	05/05/2022
76	REVISED	05/05/2022
77	REVISED	05/05/2022
78	REVISED	05/05/2022
79	REVISED	05/05/2022
80	REVISED	05/05/2022
81	REVISED	05/05/2022
82	REVISED	05/05/2022
83	REVISED	05/05/2022
84	REVISED	05/05/2022
85	REVISED	05/05/2022
86	REVISED	05/05/2022
87	REVISED	05/05/2022
88	REVISED	05/05/2022
89	REVISED	05/05/2022
90	REVISED	05/05/2022
91	REVISED	05/05/2022
92	REVISED	05/05/2022
93	REVISED	05/05/2022
94	REVISED	05/05/2022
95	REVISED	05/05/2022
96	REVISED	05/05/2022
97	REVISED	05/05/2022
98	REVISED	05/05/2022
99	REVISED	05/05/2022
100	REVISED	05/05/2022

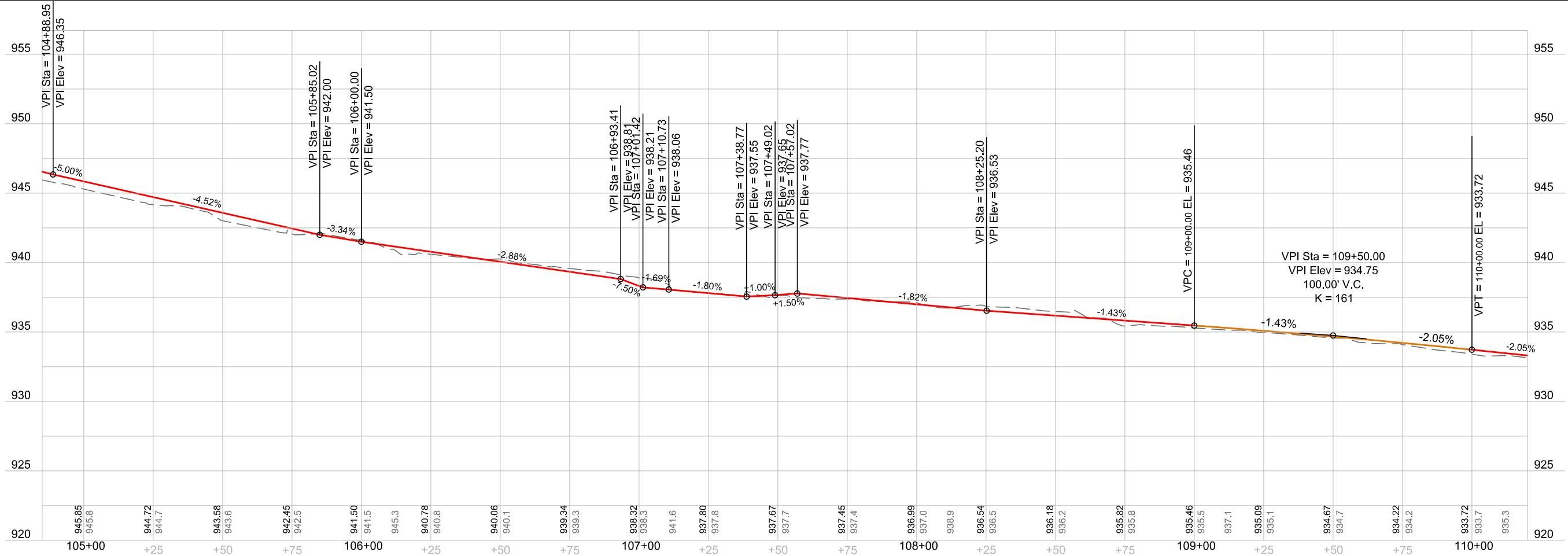
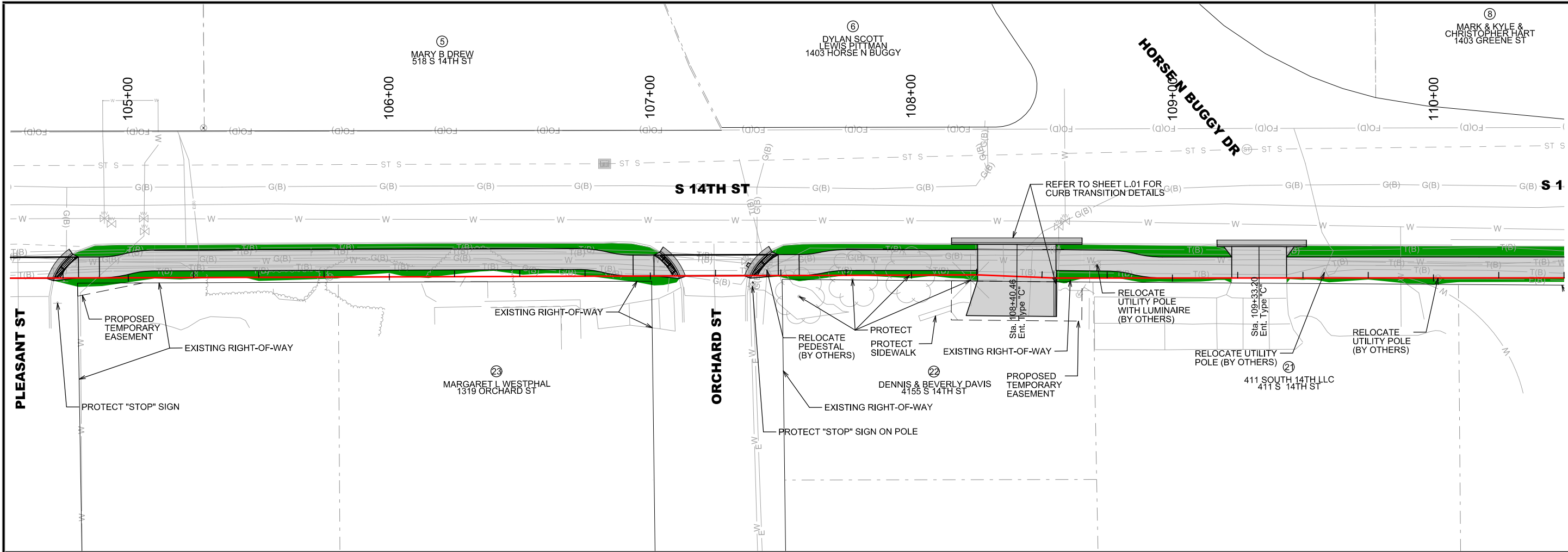
PROJECT INFO
2022000959

ENGINEER: ATS DRAWN BY: KEC CHECKED BY: CFF

ADEL RECREATION TRAIL CONNECTION
EVANS PARK - RACCOON RIVER VALLEY TRAIL
ADEL, IA TAP-U-0035(605)--8I-25

TRAIL PLAN AND PROFILE

DRAWING NO. D.01



McCLURETM
1360 NW 121st Street, Suite A
Clive, IA 50325
main 515.964.1229

Ankeny, IA | Carroll, IA | Clive, IA
Cedar Rapids, IA | Coralville, IA
Fort Dodge, IA | Sioux City, IA
Macon, MO | Columbia, MO
North Kansas City, MO
Lenexa, KS
Portsmouth, NH

NOTICE:
McClure Engineering Co. is not responsible or liable for any issues, claims, damages, or losses (collectively, "Losses") which arise from failure to follow these Plans, Specifications, and the engineering intent they convey, or for Losses which arise from failure to obtain and/or follow the engineers' or surveyors' guidance with respect to any alleged errors, omissions, inconsistencies, ambiguities, or conflicts contained within the Plans and Specifications.

20 10 0 20
REVISIONS
- - - - -
PROJECT INFO
2022000959

ENGINEER: **ATS** DRAWN BY: **KEC** CHECKED BY: **CFF**

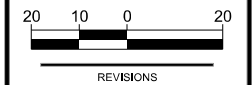
**ADEL RECREATION TRAIL CONNECTION
EVANS PARK - RACCOON RIVER VALLEY TRAIL
ADEL, IA
TAP-U-0035(605)--8I-25**

TRAIL PLAN AND PROFILE

P:\2022000959\04Drawings\CallPlans\SH1_2022000959_D.dgn

DRAWING NO.
D.02

NOTICE:
McClure Engineering Co. is not responsible or liable for any issues, claims, damages, or losses (collectively, "Losses") which arise from failure to follow these Plans, Specifications, and the engineering intent they convey, or for Losses which arise from failure to obtain and/or follow the engineers' or surveyors' guidance with respect to any alleged errors, omissions, inconsistencies, ambiguities, or conflicts contained within the Plans and Specifications.



REVISIONS		
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
48		
49		
50		
51		
52		
53		
54		
55		
56		
57		
58		
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		
71		
72		
73		
74		
75		
76		
77		
78		
79		
80		
81		
82		
83		
84		
85		
86		
87		
88		
89		
90		
91		
92		
93		
94		
95		
96		
97		
98		
99		
100		

PROJECT INFO		
2022000959		
ENGINEER	DRAWN BY	CHECKED BY
ATS	KEC	CFF

ADEL RECREATION TRAIL CONNECTION
EVANS PARK - RACCOON RIVER VALLEY TRAIL
ADEL, IA
TAP-U-0035(605)--8I-25
REMOVAL SHEETS

①
DEBORAH R ZWIEFEL
1404 ASPEN DR
100+00

②
ERIN K & COLE A
PRICHARD
1403 HYVUE ST
101+00

③
BRITT KINGSLEY PETERSON
& LINDSAY GILLUM
1404 HYVIE ST
103+00

④
FAITH LUTHERAN CHURCH
602 S 14TH ST
104+00

105+00

REMOVE SIGN AND POST.
SALVAGE "NO PARKING" SIGN
REMOVE SIGN, SOLAR PANEL
ASSEMBLY, AND POST. SALVAGE
"SPEED LIMIT" SIGN AND SOLAR
PANEL ASSEMBLY

REMOVE 73 SY OF
PCC SIDEWALK

REMOVE 3.94 SY OF
PCC PAVEMENT

REMOVE 3.91 SY OF
PCC PAVEMENT

S 14TH ST

REMOVE 67 SY OF
PCC SIDEWALK

REMOVE SIGN AND
POST. SALVAGE
"NO PARKING" SIGN

REMOVE 10.3 SY OF
PCC PAVEMENT

REMOVE 4.02 SY OF
PCC PAVEMENT

REMOVE 3.97 SY OF
PCC PAVEMENT

PROPOSED TEMPORARY
EASEMENT

REMOVE SIGNS AND POST.
SALVAGE STREET NAME
SIGNS (2)

PROTECT
EXISTING STOP
SIGN

②4
BAUMAN CREEK
INVESTMENTS LLC
1318 PLEASANT ST

②8
PARISH HOLDINGS LLC
735 S 14TH ST

②7
CHASE ROUSE
1319 HYVUE ST

②9
RUSSEL O BEAMAN
1318 HYVUE ST

②5
ELAINE NEDERHOFF
1319 PLEASANT ST

REMOVE 38 SY OF PCC DRIVEWAY
REMOVE 15 SY OF PCC SIDEWALK

EVANS PARK TRAIL

HYVUE ST

PLEASANT ST

REMOVAL SHEET LEGEND

- | | |
|--|--------------------------------|
| | REMOVE EXISTING PAVEMENT |
| | REMOVE EXISTING PAVED DRIVEWAY |
| | REMOVE EXISTING SIDEWALK |
| | TRIM TREE, SHRUB, HEDGE, ETC |
| | REMOVE FENCE |



Ankeny, IA | Carroll, IA | Clive, IA
Cedar Rapids, IA | Coralville, IA
Fort Dodge, IA | Sioux City, IA

Boston, MA | Portsmouth, NH

1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 2680, 26

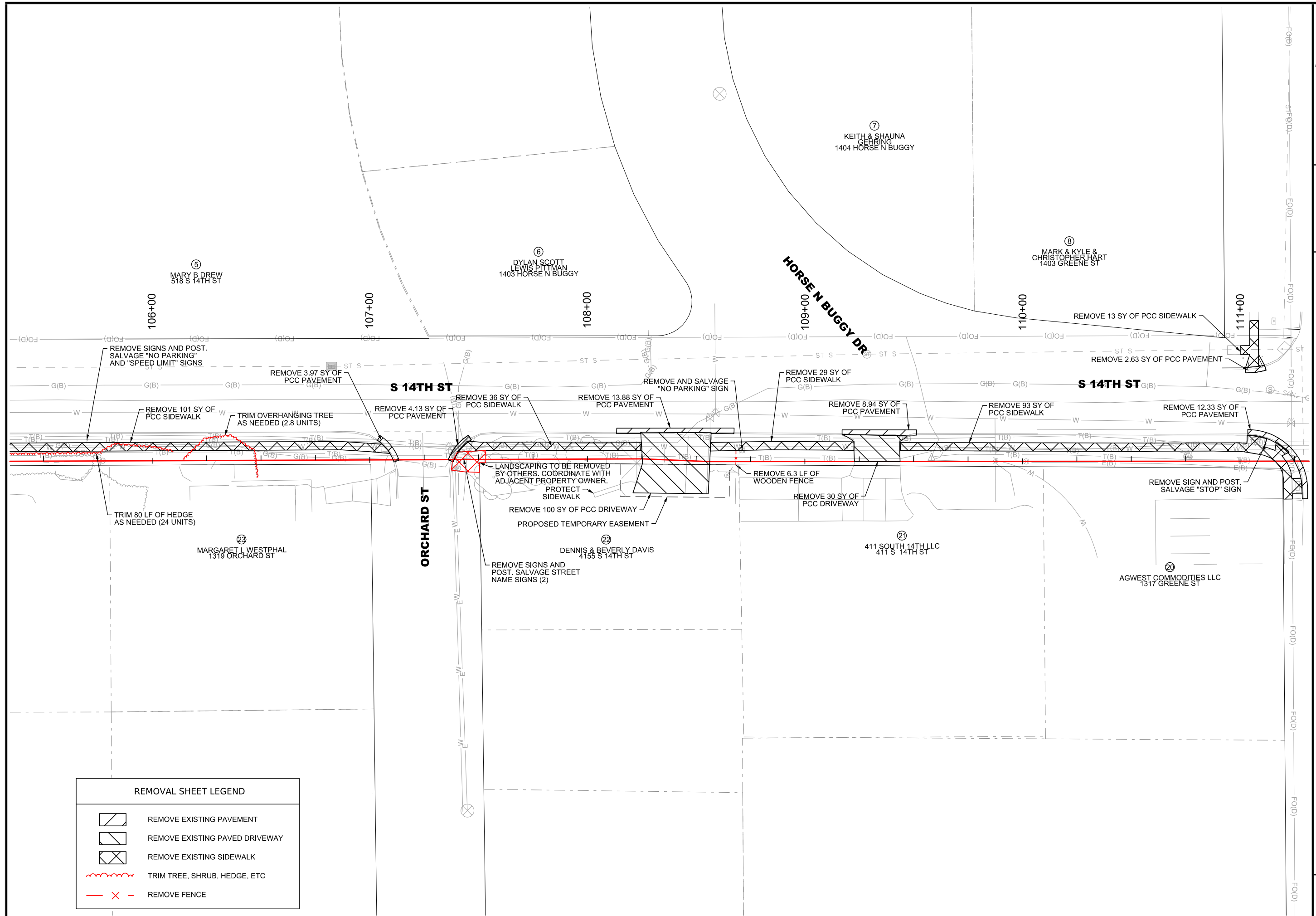


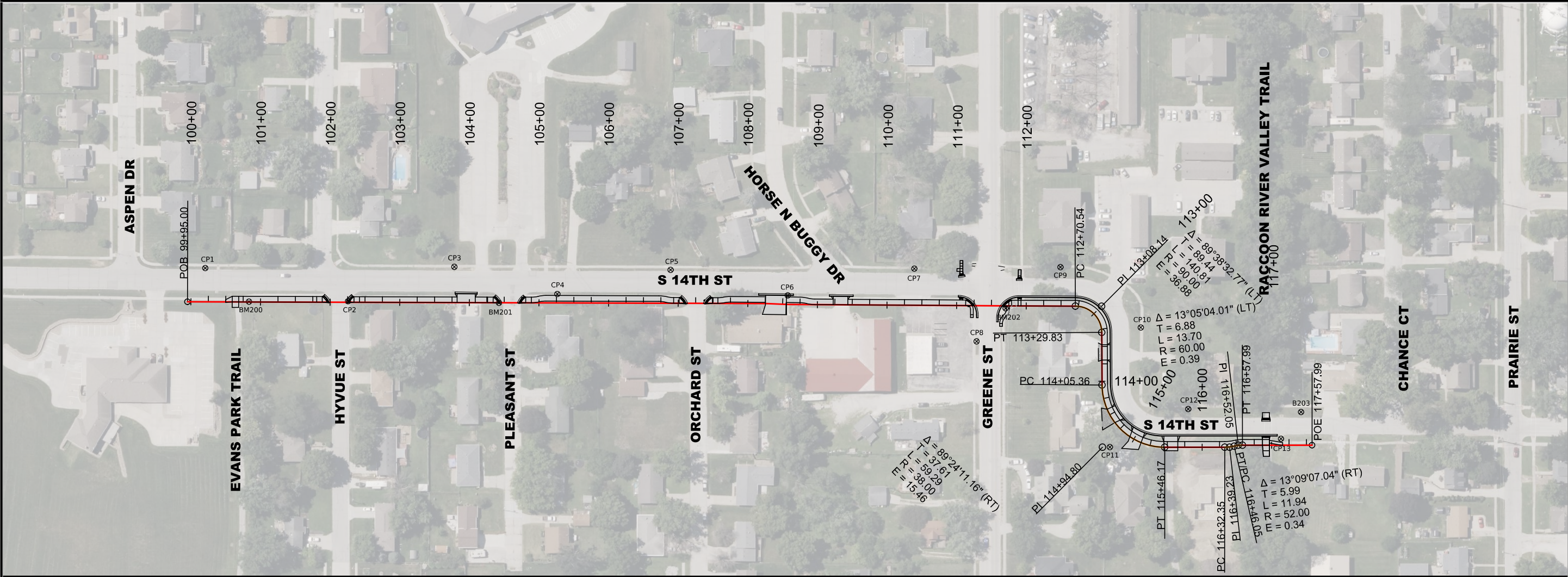
— 200 —

ENGINEER DRAWN BY CHECKED BY
ATS KEC CFF

REMOVAL SHEETS

DRAWING NO.
F.02





⊗ CP#	HORIZONTAL AND VERTICAL CONTROL - STATE PLANE IOWA SOUTH			
POINT NAME	NORTHING	EASTING	ELEVATION	DESCRIPTION
BM200	7496144.219	18415404.260	970.343	BM/ RAILROAD SPIKE IN POWER POLE N OF EVANS PARK TRAIL ON E SIDE OF SIDEWALK
BM201	7496503.216	18415406.070	948.249	BM/ RAILROAD SPIKE IN POWER POLE S OF PLEASANT ST ON E SIDE OF SIDEWALK
BM202	7497231.045	18415413.83	931.845	BM/ RAILROAD SPIKE IN POWER POLE NE OF GREEN ST AND S 14TH ST INTERSECTION
BM203	7497655.441	18415562.760	921.986	BM/ RAILROAD SPIKE IN LIGHT POLE W OF S 14TH STREET IN FRONT OF HOUSE 210
CP1	7496081.369	184153565.040	972.761	CP/ CUT X FRONT OF WALK
CP2	7496286.401	18415403.740	960.364	CP/ CUT X BOC
CP3	7496439.141	18415354.21	951.512	CP/ CUT X BACK OF WALK
CP4	7496587.112	18415393.280	944.641	CP/ CUT X BOC
CP5	7496749.831	18415358.590	939.075	CP/ CUT X FRONT OF WALK
CP6	7496918.039	18415395.320	935.714	CP/ CUT X BOC
CP7	7497099.947	18415356.820	932.919	CP/ CUT X BACK OF WALK
CP8	7497189.334	18415461.330	930.585	CP/ CUT X BOC
CP9	7497309.784	18415354.670	931.042	CP/ CUT X BACK OF WALK
CP10	7497425.248	18415441.380	930.289	CP/ CUT X BACK OF WALK
CP11	7497380.806	18415613.21	929.582	CP/ CUT X BACK OF WALK
CP12	7497493.336	18415558.550	928.222	CP/ CUT X FRONT OF WALK
CP13	7497626.580	18415601.230	919.853	CP/ CUT X STORM STRUCTURE

HORIZONTAL DATUM: STATE PLANE IOWA SOUTH (NAD83)
VERTICAL DATUM: NAVD88

	Station	Northing	Easting
Element: Linear	P.O.B. (P.O.B.)	99+95.00	7496055.742
	P.I. (P.I.)	108+25.37	7496886.108
	Tangential Direction:	N0.17°E	
	Tangential Length:	830.37	
Element: Linear	P.I. (P.I.)	108+25.37	7496886.108
	P.I. (P.I.)	108+55.39	7496916.100
	Tangential Direction:	N2.69°E	
	Tangential Length:	30.02	
Element: Linear	P.I. (P.I.)	108+55.39	7496916.100
	P.I. (P.I.)	111+65.65	7497226.352
	Tangential Direction:	N0.36°E	
	Tangential Length:	310.26	

Element: Linear	P.I. (P.I.)	111+65.65	7497226.352
	P.C. (P.C.)	112+70.54	7497331.234
	Tangential Direction:	N0.23°E	
	Tangential Length:	104.88	
Element: Circular	P.C. (P.C.)	112+70.54	7497331.234
	P.I. (P.I.)	113+08.14	7497368.840
	CC (CC)		7497331.080
	P.T. (P.T.)	113+29.83	7497369.079
	Radius:	38.00	
	Delta:	89.40 Right	
	Degree of Curvature (Arc):	150.78	
	Length:	59.29	
	Tangent:	37.81	
	Chord:	53.46	
	Middle Ordinate:	10.99	
	External:	15.46	
Element: Linear	P.T. (P.T.)	113+29.83	7497369.079
	P.C. (P.C.)	114+05.36	7497369.560
	Tangential Direction:	N89.64°E	
	Tangential Length:	75.53	
Element: Circular	P.C. (P.C.)	114+05.36	7497369.560
	P.I. (P.I.)	114+94.80	7497370.129
	CC (CC)		7497459.558
	P.T. (P.T.)	115+46.17	7497459.569
	Radius:	90.00	
	Delta:	89.64 Left	
	Degree of Curvature (Arc):	63.66	
	Length:	140.81	
	Tangent:	89.44	
	Chord:	126.88	
	Middle Ordinate:	26.16	
	External:	36.88	
Element: Linear	P.T. (P.T.)	115+46.17	7497459.569
	P.C. (P.C.)	114+05.36	7497369.560
	Tangential Direction:	N89.64°E	
	Tangential Length:	75.53	

Element: Linear	P.T. (P.T.)	115+46.17	7497459.569
	P.C. (P.C.)	116+32.35	7497545.756
	Tangential Direction:	N0.01°W	
	Tangential Length:	86.19	
Element: Circular	P.C. (P.C.)	116+32.35	7497545.756
	P.I. (P.I.)	116+39.23	7497552.637
	CC (CC)		7497545.749
	PRC (PRC)	116+46.05	7497559.339
	Radius:	60.00	
	Delta:	13.08 Left	
	Degree of Curvature (Arc):	95.49	
	Length:	13.70	
	Tangent:	6.88	
	Chord:	13.67	
	Middle Ordinate:	0.39	
	External:	0.39	
Element: Linear	P.T. (P.T.)	116+46.17	7497559.339
	P.C. (P.C.)	116+32.35	7497545.756
	Tangential Direction:	N0.01°W	
	Tangential Length:	86.19	
Element: Circular	P.C. (P.C.)	116+32.35	7497545.756
	P.I. (P.I.)	116+39.23	7497552.637
	CC (CC)		7497545.749
	PRC (PRC)	116+46.05	7497559.339
	Radius:	60.00	
	Delta:	13.08 Left	
	Degree of Curvature (Arc):	95.49	
	Length:	13.70	
	Tangent:	6.88	
	Chord:	13.67	
	Middle Ordinate:	0.39	
	External:	0.39	
Element: Linear	P.T. (P.T.)	116+46.17	7497559.339
	P.C. (P.C.)	116+32.35	7497545.756
	Tangential Direction:	N0.01°W	
	Tangential Length:	86.19	
Element: Circular	P.C. (P.C.)	116+32.35	7497545.756
	P.I. (P.I.)	116+39.23	7497552.637
	CC (CC)		7497545.749
	PRC (PRC)	116+46.05	7497559.339
	Radius:	60.00	
	Delta:	13.08 Left	
	Degree of Curvature (Arc):	95.49	
	Length:	13.70	
	Tangent:	6.88	
	Chord:	13.67	
	Middle Ordinate:	0.39	
	External:	0.39	
Element: Linear	P.T. (P.T.)	116+46.17	7497559.339
	P.C. (P.C.)	116+32.35	7497545.756
	Tangential Direction:	N0.01°W	
	Tangential Length:	86.19	
Element: Circular	P.C. (P.C.)	116+32.35	7497545.756
	P.I. (P.I.)	116+39.23	7497552.637
	CC (CC)		7497545.749
	PRC (PRC)	116+46.05	7497559.339
	Radius:	60.00	
	Delta:	13.08 Left	
	Degree of Curvature (Arc):	95.49	
	Length:	13.70	
	Tangent:	6.88	
	Chord:	13.67	
	Middle Ordinate:	0.39	
	External:	0.39	
Element: Linear	P.T. (P.T.)	116+46.17	7497559.339
	P.C. (P.C.)	116+32.35	7497545.756
	Tangential Direction:	N0.01°W	
	Tangential Length:	86.19	
Element: Circular	P.C. (P.C.)	116+32.35	7497545.756
	P.I. (P.I.)	116+39.23	7497552.637
	CC (CC)		7497545.749
	PRC (PRC)	116+46.05	7497559.339
	Radius:	60.00	
	Delta:	13.08 Left	
	Degree of Curvature (Arc):	95.49	
	Length:	13.70	
	Tangent:	6.88	
	Chord:	13.67	
	Middle Ordinate:	0.39	
	External:	0.39	
Element: Linear	P.T. (P.T.)	116+46.17	7497559.339
	P.C. (P.C.)	116+32.35	7497545.756
	Tangential Direction:	N0.01°W	
	Tangential Length:	86.19	
Element: Circular	P.C. (P.C.)	116+32.35	7497545.756
	P.I. (P.I.)	116+39.23	7497552.637
	CC (CC)		7497545.749
	PRC (PRC)	116+46.05	7497559.339
	Radius:	60.00	
	Delta:	13.08 Left	
	Degree of Curvature (Arc):	95.49	
	Length:	13.70	
	Tangent:	6.88	
	Chord:	13.67	
	Middle Ordinate:	0.39	
	External:	0.39	
Element: Linear	P.T. (P.T.)	116+46.17	7497559.339
	P.C. (P.C.)	116+32.35	7497545.756
	Tangential Direction:	N0.01°W	
	Tangential Length:	86.19	
Element: Circular	P.C. (P.C.)	116+32.35	7497545.756
	P.I. (P.I.)	116+39.23	7497552.637
	CC (CC)		7497545.749
	PRC (PRC)	116+46.05	7497559.339
	Radius:	60.00	
	Delta:	13.08 Left	
	Degree of Curvature (Arc):	95.49	
	Length:	13.70	
	Tangent:	6.88	
	Chord:	13.67	
	Middle Ordinate:	0.39	
	External:	0.39	
Element: Linear	P.T. (P.T.)	116+46.17	7497559.339
	P.C. (P.C.)	116+32.35	7497545.756
	Tangential Direction:	N0.01°W	
	Tangential Length:	86.19	
Element: Circular	P.C. (P.C.)	116+32.35	7497545.756
	P.I. (P.I.)	116+39.23	7497552.637
	CC (CC)		7497545.749
	PRC (PRC)	116+46.05	7497559.339
	Radius:	60.00	
	Delta:	13.08 Left	
	Degree of Curvature (Arc):	95.49	
	Length:	13.70	
	Tangent:	6.88	
	Chord:	13.67	
	Middle Ordinate:	0.39	
	External:	0.39	
Element: Linear	P.T. (P.T.)	116+46.17	7497559.339
	P.C. (P.C.)	116+32.35	7497545.756
	Tangential Direction:	N0.01°W	
	Tangential Length:	86.19	
Element: Circular	P.C. (P.C.)	116+32.35	7497545.756
	P.I. (P.I.)	116+39.23	7497552.637
	CC (CC)		7497545.749
	PRC (PRC)	116+46.05	7497559.339
	Radius:	60.00	
	Delta:	13.08 Left	
	Degree of Curvature (Arc):	95.49	
	Length:	13.70	
	Tangent:	6.88	
	Chord:	13.67	
	Middle Ordinate:	0.39	
	External:	0.39	
Element: Linear	P.T. (P.T.)	116+46.17	7497559.339
	P.C. (P.C.)	116+32.35	7497545.756
	Tangential Direction:	N0.01°W	
	Tangential Length:	86.19	
Element: Circular	P.C. (P.C.)	116+32.35	7497545.756
	P.I. (P.I.)	116+39.23	7497552.637
	CC (CC)		7497545.749
	PRC (PRC)	116+46.05	7497559.339
	Radius:	60.00	
	Delta:	13.08 Left	
	Degree of Curvature (Arc):	95.49	
	Length:	13.70	
	Tangent:	6.88	
	Chord:	13.67	
	Middle Ordinate:	0.39	
	External:	0.39	
Element: Linear	P.T. (P.T.)	116+46.17	7497559.339
	P.C. (P.C.)	116+32.35	7497545.756
	Tangential Direction:	N0.01°W	
	Tangential Length:	86.19	
Element: Circular	P.C. (P.C.)	116+32.35	7497545.756
	P.I. (P.I.)	116+39.23	7497552.637
	CC (CC)		7497545.749
	PRC (PRC)	116+46.05	7497559.339
	Radius:	60.00	
	Delta:	13.08 Left	
	Degree of Curvature (Arc):	95.49	
	Length:	13.70	
	Tangent:	6.88	
	Chord:	13.67	
	Middle Ordinate:	0.39	
	External:	0.39	
Element: Linear	P.T. (P.T.)	116+46.17	7497559.339
	P.C. (P.C.)	116+32.35	7497545.756
	Tangential Direction:	N0.01°W	
	Tangential Length:	86.19	
Element: Circular	P.C. (P.C.)	116+32.35	7497545.756
	P.I. (P.I.)	116+39.23	7497552.637
	CC (CC)		7497545.749
	PRC (PRC)	116+46.05	7497559.339
	Radius:	60.00	
	Delta:	13.08 Left	
	Degree of Curvature (Arc):	95.49	
	Length:	13.70	
	Tangent:	6.88	
	Chord:	13.67	
	Middle Ordinate:	0.39	
	External:	0.39	
Element: Linear	P.T. (P.T.)	116+46.17	7497559.339
	P.C. (P.C.)	116+32.35	7497545.756
	Tangential Direction:	N0.01°W	
	Tangential Length:	86.19	
Element: Circular	P.C. (P.C.)	116+32.35	7497545.756
	P.I. (P.I.)	116+39.23	7497552.637
	CC (CC)		7497545.749
	PRC (PRC)	116+46.05	7497559.339
	Radius:	60.00	
	Delta:	13.08 Left	
	Degree of Curvature (Arc):	95.49	
	Length:	13.70	
	Tangent:	6.88	
	Chord:	13.67	
	Middle Ordinate:	0.39	
	External:	0.39	
Element: Linear	P.T. (P.T.)	116+46.17	7497559.339



RIGHT-OF-WAY LEGEND

PROPOSED RIGHT-OF-WAY

EXISTING RIGHT-OF-WAY

EXISTING AND PROPOSED RIGHT-OF-WAY

EASEMENT AND EXISTING RIGHT-OF-WAY

PROPOSED EASEMENT

EXISTING EASEMENT

PROPERTY LINE

PROPOSED R.O.W. ACQUISITION SHADING

PERMANENT SIDEWALK EASEMENT SHADING

TEMPORARY CONSTRUCTION EASEMENT SHADING

TABULATION OF EASEMENTS			
PROPERTY NO.	OWNER	TEMPORARY EASEMENT (SF)	PERMANENT EASEMENT ACQUISITION (SF)
1	DEBORAH R ZWIEFEL	0.00	0.00
2	ERIN K & COLE A PRICHARD	0.00	0.00
3	BRITT KINGSLEY PETERSON & LINDSAY GILLUM	0.00	0.00
4	FAITH LUTHERAN CHURCH	0.00	0.00
24	BAUMAN CREEK INVESTMENTS LLC	0.00	0.00
25	ELAINE NEDERHOFF	0.00	0.00
26	RUSSEL O BEAMAN	0.00	0.00
27	CHASE ROUSE	503.19	0.00
28	PARISH HOLDINGS LLC	0.00	0.00

1360 NW 121st Street, Suite A
Clive, IA 50325
main 515.964.1229

Ankeny, IA | Carroll, IA | Clive, IA
Cedar Rapids, IA | Coralville, IA
Fort Dodge, IA | Sioux City, IA
Macon, MO | Columbia, MO
North Kansas City, MO
Lenexa, KS
Boston, MA | Portsmouth, NH

NOTICE:
McClure Engineering Co. is not responsible or liable for any issues, claims, damages, or losses (collectively, "Losses") which arise from failure to follow these Plans, Specifications, and the engineering intent they convey, or for Losses which arise from failure to obtain and/or follow the engineers' or surveyors' guidance with respect to any alleged errors, omissions, inconsistencies, ambiguities, or conflicts contained within the Plans and Specifications.

20 10 0 20

REVISIONS

PROJECT INFO

2022000959

ENGINEER

ATK

DRAWN BY

KEC

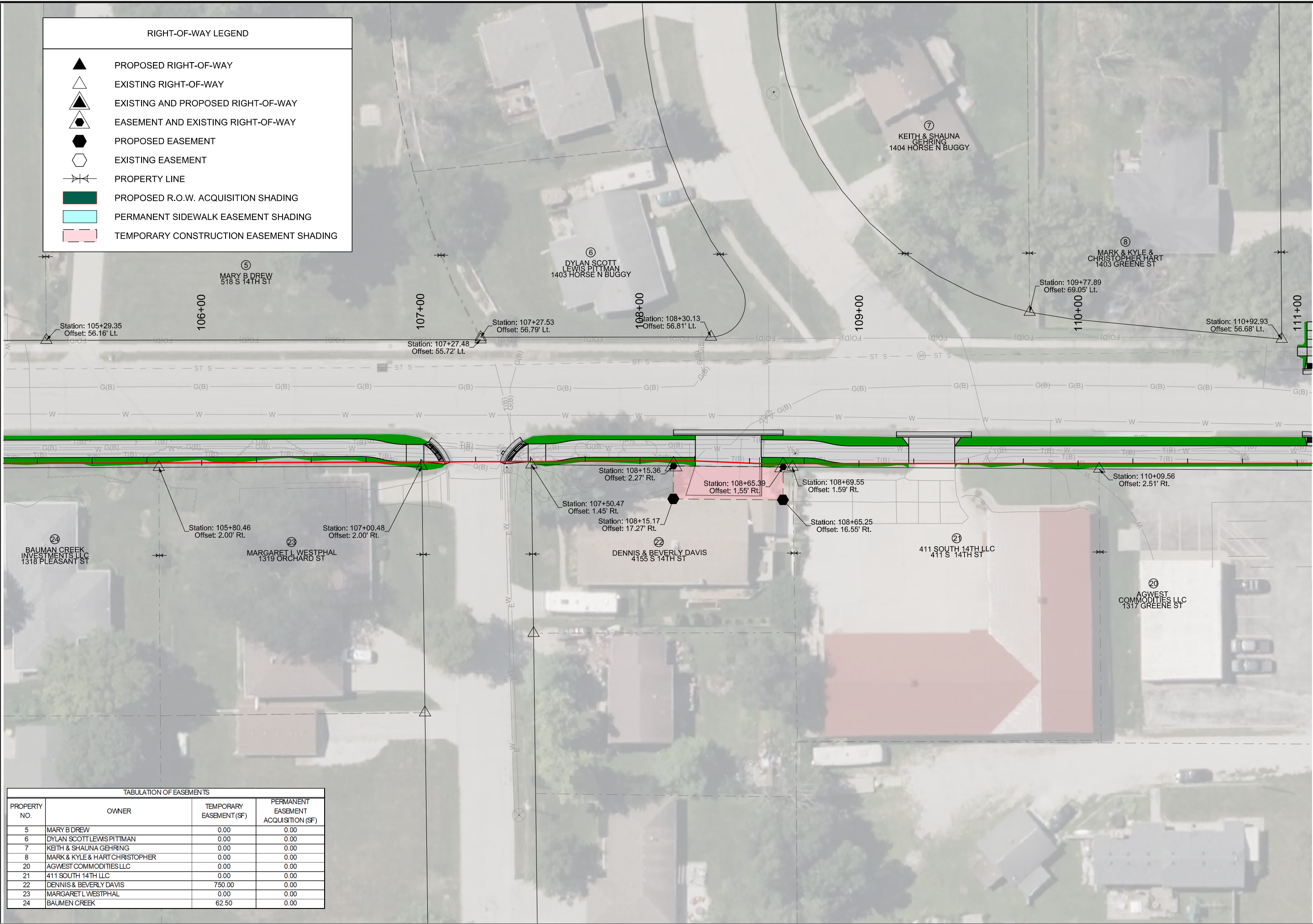
CHECKED BY

CFF

ADEL RECREATION TRAIL CONNECTION
EVANS PARK - RACCOON RIVER VALLEY TRAIL
ADEL, IA
TAP-U-0035(605)--8I-25

RIGHT-OF-WAY INFORMATION

DRAWING NO.
H.01



RIGHT-OF-WAY LEGEND

PROPOSED RIGHT-OF-WAY

EXISTING RIGHT-OF-WAY

EXISTING AND PROPOSED RIGHT-OF-WAY

EASEMENT AND EXISTING RIGHT-OF-WAY

PROPOSED EASEMENT

EXISTING EASEMENT

PROPERTY LINE

PROPOSED R.O.W. ACQUISITION SHADING

PERMANENT SIDEWALK EASEMENT SHADING

TEMPORARY CONSTRUCTION EASEMENT SHADING

TABULATION OF EASEMENTS			
PROPERTY NO.	OWNER	TEMPORARY EASEMENT (SF)	PERMANENT EASEMENT ACQUISITION (SF)
5	MARY B DREW	0.00	0.00
6	DYLAN SCOTT LEWIS PITTMAN	0.00	0.00
7	KEITH & SHAUNA GEHRING	0.00	0.00
8	MARK & KYLE & HART CHRISTOPHER	0.00	0.00
20	AGWEST COMMODITIES LLC	0.00	0.00
21	411 SOUTH 14TH LLC	0.00	0.00
22	DENNIS & BEVERLY DAVIS	750.00	0.00
23	MARGARET L WESTPHAL	0.00	0.00
24	BAUMEN CREEK	62.50	0.00

McCLURE™

1360 NW 121st Street, Suite A
Clive, IA 50325
main 515.964.1229

Ankeny, IA | Carroll, IA | Clive, IA
Cedar Rapids, IA | Coralville, IA
Fort Dodge, IA | Sioux City, IA
Macon, MO | Columbia, MO
North Kansas City, MO
Lenexa, KS
Boston, MA | Portsmouth, NH

NOTICE:
McClure Engineering Co. is not responsible or liable for any issues, claims, damages, or losses (collectively, "Losses") which arise from failure to follow these Plans, Specifications, and the engineering intent they convey, or for Losses which arise from failure to obtain and/or follow the engineers' or surveyors' guidance with respect to any alleged errors, omissions, inconsistencies, ambiguities, or conflicts contained within the Plans and Specifications.

20 10 0 20

REVISIONS

PROJECT INFO
2022000959

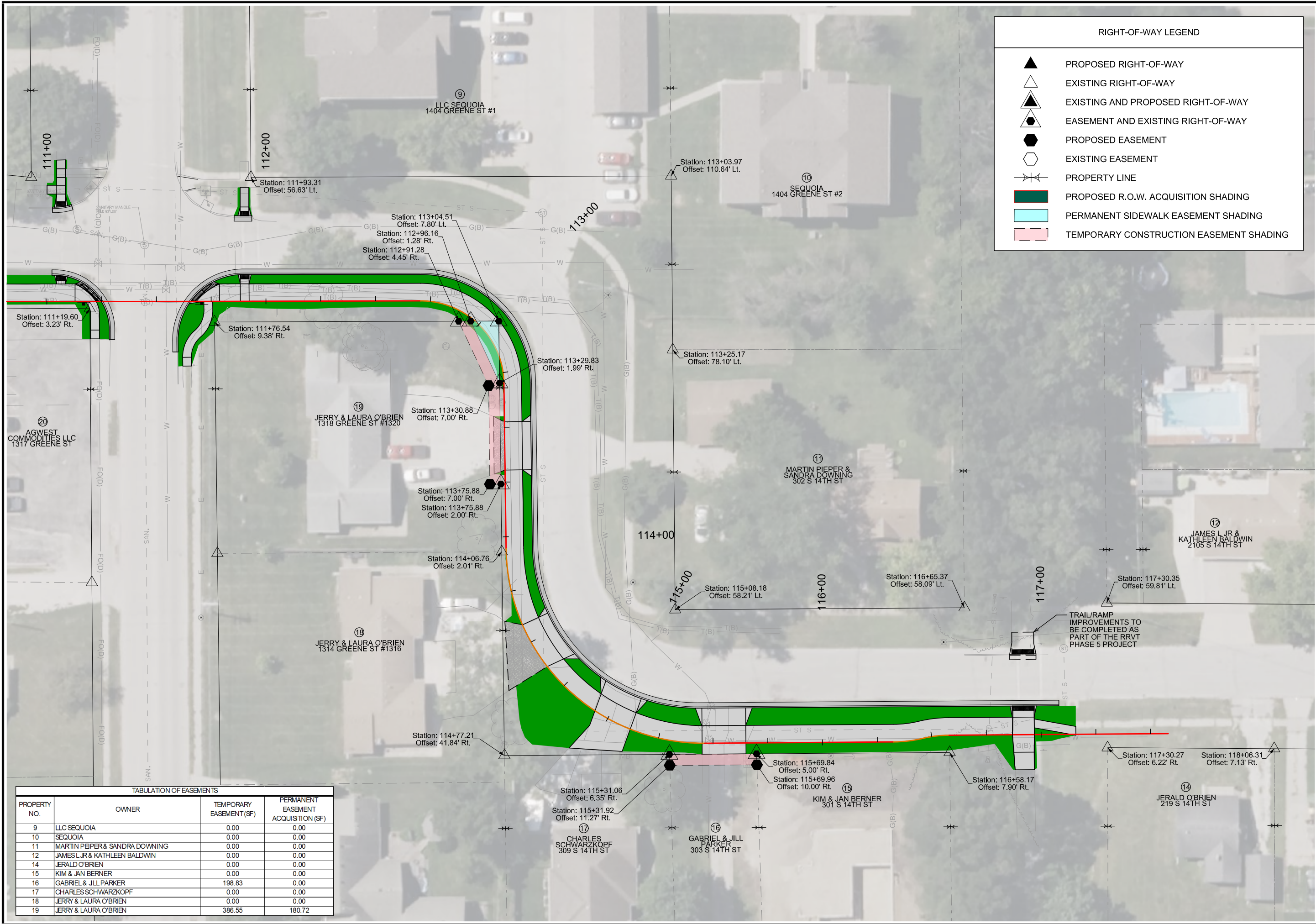
ENGINEER: ATS DRAWN BY: KEC CHECKED BY: CFF

ADEL RECREATION TRAIL CONNECTION
EVANS PARK - RACCOON RIVER VALLEY TRAIL
ADEL, IA
TAP-U-0035(605)--8I-25

RIGHT-OF-WAY INFORMATION

DRAWING NO.
H.02

© 2024 Microsoft Corporation. © 2024 Maxar. © 2024 Esri. All rights reserved. Distribution of this document is prohibited.



TABULATION OF EASEMENTS			
PROPERTY NO.	OWNER	TEMPORARY EASEMENT(SF)	PERMANENT EASEMENT ACQUISITION(SF)
9	LLC SEQUOIA	0.00	0.00
10	SEQUOIA	0.00	0.00
11	MARTIN PIEPER & SANDRA DOWNING	0.00	0.00
12	JAMES L JR & KATHLEEN BALDWIN	0.00	0.00
14	JERALD O'BRIEN	0.00	0.00
15	KIM & JAN BERNER	0.00	0.00
16	GABRIEL & JILL PARKER	198.83	0.00
17	CHARLES SCHWARZKOPF	0.00	0.00
18	JERRY & LAURA O'BRIEN	0.00	0.00
19	JERRY & LAURA O'BRIEN	386.55	180.72

RIGHT-OF-WAY LEGEND

PROPOSED RIGHT-OF-WAY

EXISTING RIGHT-OF-WAY

EXISTING AND PROPOSED RIGHT-OF-WAY

EASEMENT AND EXISTING RIGHT-OF-WAY

PROPOSED EASEMENT

EXISTING EASEMENT

PROPERTY LINE

PROPOSED R.O.W. ACQUISITION SHADING

PERMANENT SIDEWALK EASEMENT SHADING

TEMPORARY CONSTRUCTION EASEMENT SHADING

1360 NW 121st Street, Suite A
Clive, IA 50325
main 515.964.1229

Ankeny, IA | Carroll, IA | Clive, IA
Cedar Rapids, IA | Coralville, IA
Fort Dodge, IA | Sioux City, IA
Macon, MO | Columbia, MO
North Kansas City, MO
Lenexa, KS
Boston, MA | Portsmouth, NH

NOTICE:
McClure Engineering Co. is not responsible or liable for any issues, claims, damages, or losses (collectively, "Losses") which arise from failure to follow these Plans, Specifications, and the engineering intent they convey, or for Losses which arise from failure to obtain and/or follow the engineers' or surveyors' guidance with respect to any alleged errors, omissions, inconsistencies, ambiguities, or conflicts contained within the Plans and Specifications.

20 10 0 20

REVISIONS

PROJECT INFO
2022000959

ENGINEER
ATS

DRAWN BY
KEC

CHECKED BY
CFF

ADEL RECREATION TRAIL CONNECTION
EVANS PARK - RACCOON RIVER VALLEY TRAIL
ADEL, IA
TAP-U-0035(605)--8I-25

RIGHT-OF-WAY INFORMATION

DRAWING NO.
H.03

TEMPORARY TRAFFIC CONTROL

ALL TRAFFIC CONTROL SHALL BE PROVIDED IN ACCORDANCE WITH REQUIREMENTS SET FORTH IN THE 11TH EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) FOR STREETS AND HIGHWAYS.

IT SHALL BE CONTRACTOR'S RESPONSIBILITY FOR PROPER BARRICADING AND ADEQUATE PROTECTION OF ALL OPEN TRENCHES AND OTHER EXCAVATIONS. OBSTRUCTIONS, SUCH AS MATERIAL PILES AND EQUIPMENT, SHALL BE PROVIDED WITH WARNING SIGNS, BARRICADES, AND LIGHTS.

THE CONTRACTOR SHALL EMPLOY SOUND PRACTICES OF SAFETY AND TRAFFIC CONTROL. THESE METHODS AND PRACTICES SHALL INCLUDE, BUT NOT BE LIMITED TO, THE FOLLOWING:

ACCESS TO ALL PROPERTIES MUST BE MAINTAINED AT ALL TIMES UNLESS ARRANGED OTHERWISE BY AGREEMENT BETWEEN THE CONTRACTOR AND PROPERTY OWNER.

THE CONTRACTOR SHALL NOTIFY RESIDENTS A MINIMUM OF 48-HOURS PRIOR TO DRIVEWAY REMOVAL.

SIDEWALK CLOSURES DURING CONSTRUCTION SHALL BE IN ACCORDANCE WITH IOWA DOT STANDARD ROAD PLAN TC-601 OR TC-602, AND INCLUDE TYPE III BARRICADES.

ALL TRAFFIC CONTROL DEVICES SHALL BE FURNISHED, ERECTED, MAINTAINED AND REMOVED BY THE CONTRACTOR.

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.

CONTRACTOR SHALL ERECT ALL WARNING SIGNS ON STEEL POST, PORTABLE MOUNTINGS FOR WARNING SIGNS MAY BE USED FOR TEMPORARY INSTALLATIONS OF 3 DAYS OR LESS.

ALL CONSTRUCTION SIGNS SHALL BE DIAMOND GRADE FLUORESCENT ORANGE OR WHITE V.I.P. SHEETING OR EQUIVALENT. (IOWA DOT TYPE VII SHEETING)

AT THE TIME OF INITIAL SET UP OR AT THE TIME OF MAJOR STAGE CHANGES, 100 PERCENT OF EACH TYPE OF DEVICE (SIGNS, CONES, TUBULAR MARKERS, DRUMS, BARRICADES, VERTICAL PANELS, CHANGEABLE MESSAGE SIGNS, AND PAVEMENT MARKINGS) SHALL BE CLASSIFIED AS ACCEPTABLE BY THE REQUIREMENTS OF THE AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION (ATSSA), "QUALITY STANDARD FOR WORK ZONE TRAFFIC CONTROL DEVICES -1992." THROUGHOUT THE DURATION OF THE PROJECT, UNACCEPTABLE DEVICES OR SITUATIONS THAT ARE FOUND ON THE JOB SITE AS DETERMINED BY BEFORE MENTIONED PUBLICATION SHALL BE REPLACED OR THE SITUATION CORRECTED WITHIN 12 HOURS OF INITIAL NOTIFICATION BY THE PROJECT ENGINEER.

SIGN WASHING SHALL BE CONSIDERED INCIDENTAL TO TRAFFIC CONTROL AND REQUIRED AS DIRECTED BY THE PROJECT ENGINEER.

THE BID ITEM "TRAFFIC CONTROL" SHALL INCLUDE THE COST OF ALL TRAFFIC CONTROL INSTALLED BY THE CONTRACTOR EXCEPT FOR THOSE WHICH ARE SEPARATE BID ITEMS OR AS INCIDENTAL TO OTHER BID ITEMS. SIGN AND BARRICADE FURNISHING, ERECTING, REMOVING, WASHING, AND MAINTENANCE SHALL BE CONSIDERED INCIDENTAL TO "TRAFFIC CONTROL" AND SHALL BE REQUIRED AS DIRECTED BY THE ENGINEER. DAMAGED SIGNS SHALL BE REPLACED BY THE CONTRACTOR AT NO EXPENSE TO THE OWNER.

THE CONTRACTOR SHALL PROVIDE, PRIOR TO THE START OF CONSTRUCTION, THE NAME AND 24-HOUR PHONE NUMBER OF THE CONTRACTOR'S REPRESENTATIVE IN CHARGE OF TRAFFIC CONTROL. THE PROJECT SITE MUST BE PATROLLED A MINIMUM OF TWO (2) TIMES EACH 24-HOUR PERIOD TO CHECK AND REINSTALL, IF NECESSARY, TRAFFIC CONTROL DEVICES. ALL EXTRA STANDARD TRAFFIC CONTROL, SIGNS, BARRICADES, CONES, ETC. THAT ARE REQUIRED WILL BE DELIVERED AND INSTALLED AT THE PROJECT SITE WITHIN FOUR (4) HOURS OF NOTIFICATION, INCLUDING WEEKENDS AND HOLIDAYS.

THE CONTRACTOR SHALL NOTIFY THE ENGINEER A MINIMUM OF THREE BUSINESS DAYS IN ADVANCE FOR LANE CLOSURE AND SHALL RECEIVE APPROVAL BEFORE CLOSING ANY LANE TO TRAFFIC. THE CONTRACTOR SHALL NOTIFY THE ENGINEER A MINIMUM OF SEVEN CALENDAR DAYS IN ADVANCE FOR STREET CLOSURE AND SHALL RECEIVE APPROVAL BEFORE CLOSING ANY STREET TO TRAFFIC.

PROPOSED CHANGES IN THE TRAFFIC CONTROL PLAN, PRIVATE PROPERTY ACCESS, OR ALTERNATE SIGNING DETAILS TO COINCIDE WITH THE SCHEDULE OF OPERATIONS FOR ANY VARIATIONS SHALL BE SUBMITTED IN WRITING AND REVIEWED WITH THE ENGINEER AT LEAST 24-HOURS BEFORE CHANGES ARE MADE IN THE FIELD.

THE PROPOSED SIGNING MAY BE MODIFIED TO MEET FIELD CONDITIONS, PREVENT OBSTRUCTIONS AND TO ACCOMMODATE CONSTRUCTION SCHEDULING UPON APPROVAL OF THE PROJECT ENGINEER.

THE LOCATION FOR STORAGE OF EQUIPMENT BY THE CONTRACTOR DURING NON-WORKING HOURS SHALL BE AS APPROVED BY THE ENGINEER AND THE CONTRACTOR SHALL PROVIDE A WRITTEN AGREEMENT WITH THE PROPERTY OWNER, IF APPLICABLE.

INGRESS AND EGRESS FROM THE WORK AREA WILL BE ALLOWED ONLY AT LOCATIONS SPECIFIED IN THE CONTRACT DOCUMENTS OR AS APPROVED BY THE ENGINEER. ALL TRUCKING MATERIAL TO AND FROM THE WORK AREA SHALL DISPLAY A 16-INCH X 48-INCH RETRO REFLECTIVE SIGN WITH THE LEGEND DO NOT FOLLOW INTO WORK AREA. THE SIGN SHALL BE ORANGE WITH BLACK LETTERING (4-INCH HEIGHT) AND BE COMPRISED OF TYPE VII SHEETING.

THE CONTRACTOR SHALL MAINTAIN CLEAN PAVEMENT IN AND OUT OF THE WORK AREA AT ALL TIMES.

STAGING NOTES

CONSTRUCTION SHALL NOT BEGIN PRIOR TO AUGUST 10TH, 2025.

MAINTAIN VEHICULAR ACCESS TO PROPERTIES AT 1319 PLEASANT STREET AND 303 S 14TH STREET. CONSTRUCT DRIVEWAYS 1/2 AT A TIME.



McCLURETM

1360 NW 121st Street, Suite A
Clive, IA 50325
main 515.964.1229

Ankeny,IA | Carroll,IA | Clive,IA
Cedar Rapids,IA | Coralville,IA
Fort Dodge,IA | Sioux City,IA

Macon,MO | Columbia,MO
North Kansas City,MO
Lenexa, KS

Boston, MA | Portsmouth, NH

NOTICE:
McClure Engineering Co. is not responsible or liable for any issues, claims, damages, or losses (collectively, "Losses") which arise from failure to follow these Plans, Specifications, and the engineering intent they convey, or for Losses which arise from failure to obtain and/or follow the engineers' or surveyors' guidance with respect to any alleged errors, omissions, inconsistencies, ambiguities, or conflicts contained within the Plans and Specifications.

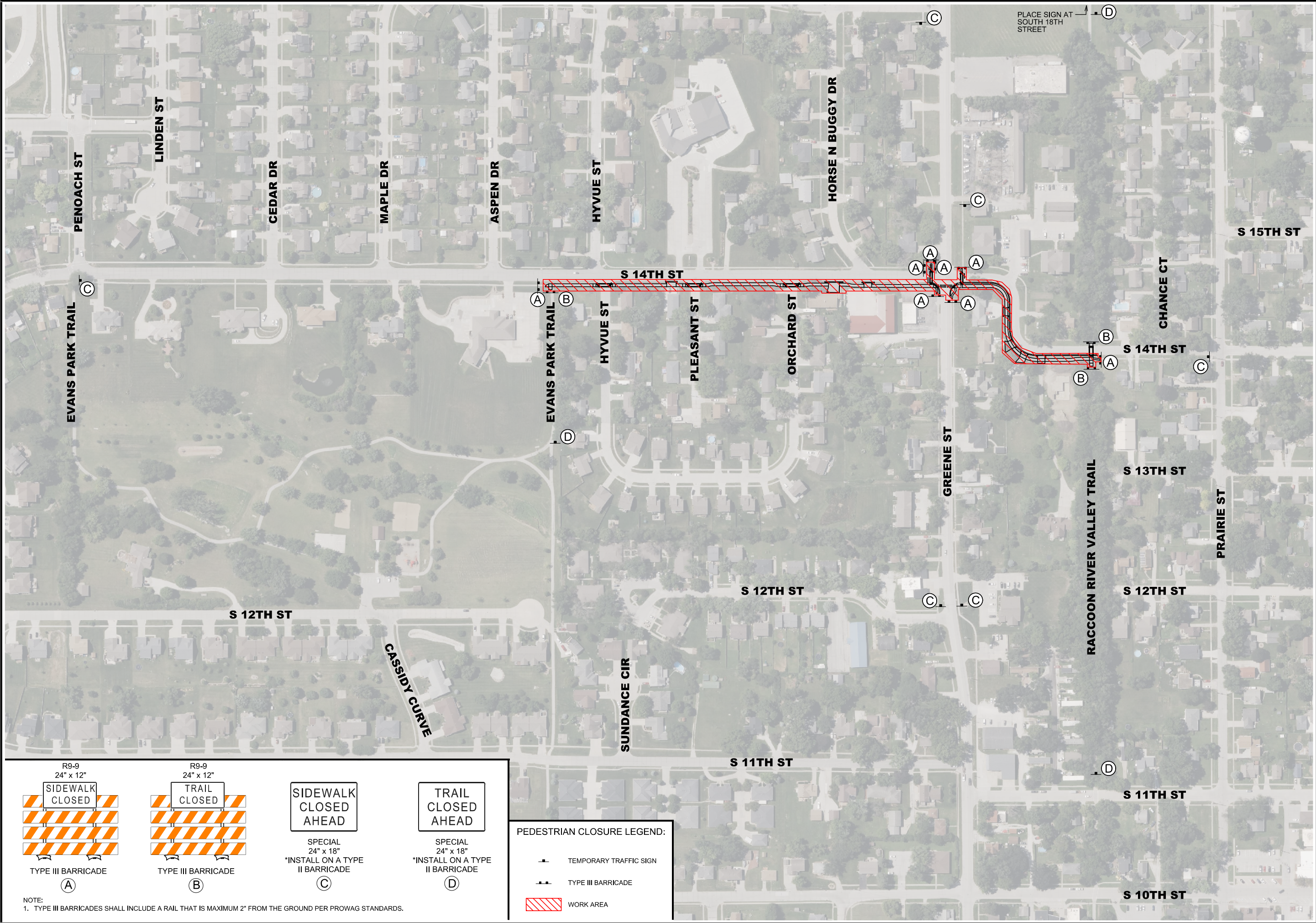
REVISIONS		
PROJECT INFO		
2022000959		
ENGINEER	DRAWN BY	CHECKED BY
ATS	KEC	OFF


ADEL RECREATION TRAIL CONNECTION
EVANS PARK - RACCOON RIVER VALLEY TRAIL
TAP-U-0035(605)--8I-25

STAGING AND TRAFFIC CONTROL NOTES



DRAWING NO.
J.01






McCLURETM
1360 NW 121st Street, Suite A
Clive, IA 50325
main 515.964.1229

Ankeny, IA | Carroll, IA | Clive, IA
Cedar Rapids, IA | Coralville, IA
Fort Dodge, IA | Sioux City, IA
Macon, MO | Columbia, MO
North Kansas City, MO
Lenexa, KS
Boston, MA | Portsmouth, NH

NOTICE:
McClure Engineering Co. is not responsible or liable for any issues, claims, damages, or losses (collectively, "Losses") which arise from failure to follow these Plans, Specifications, and the engineering intent they convey, or for Losses which arise from failure to obtain and/or follow the engineers' or surveyors' guidance with respect to any alleged errors, omissions, inconsistencies, ambiguities, or conflicts contained within the Plans and Specifications.



120 60 0 120
REVISIONS

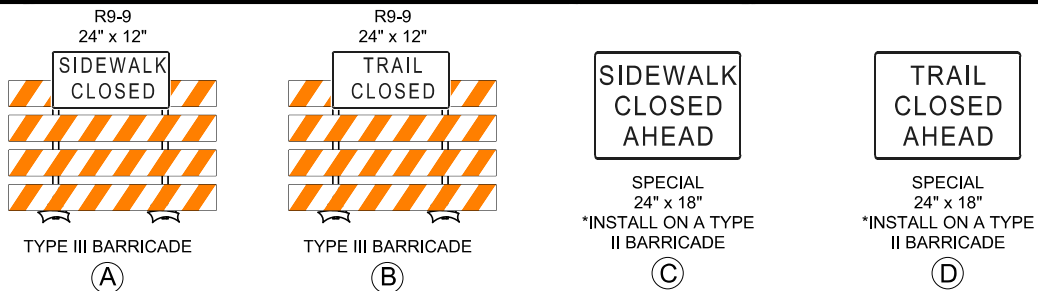
PROJECT INFO
2022000959

ENGINEER	DRAWN BY	CHECKED BY
ATS	KEC	CFF

ADEL RECREATION TRAIL CONNECTION
EVANS PARK - RACCOON RIVER VALLEY TRAIL
ADEL, IA
TAP-U-0035(605)--8I-25

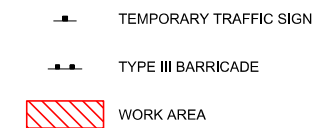
PEDESTRIAN CLOSURES

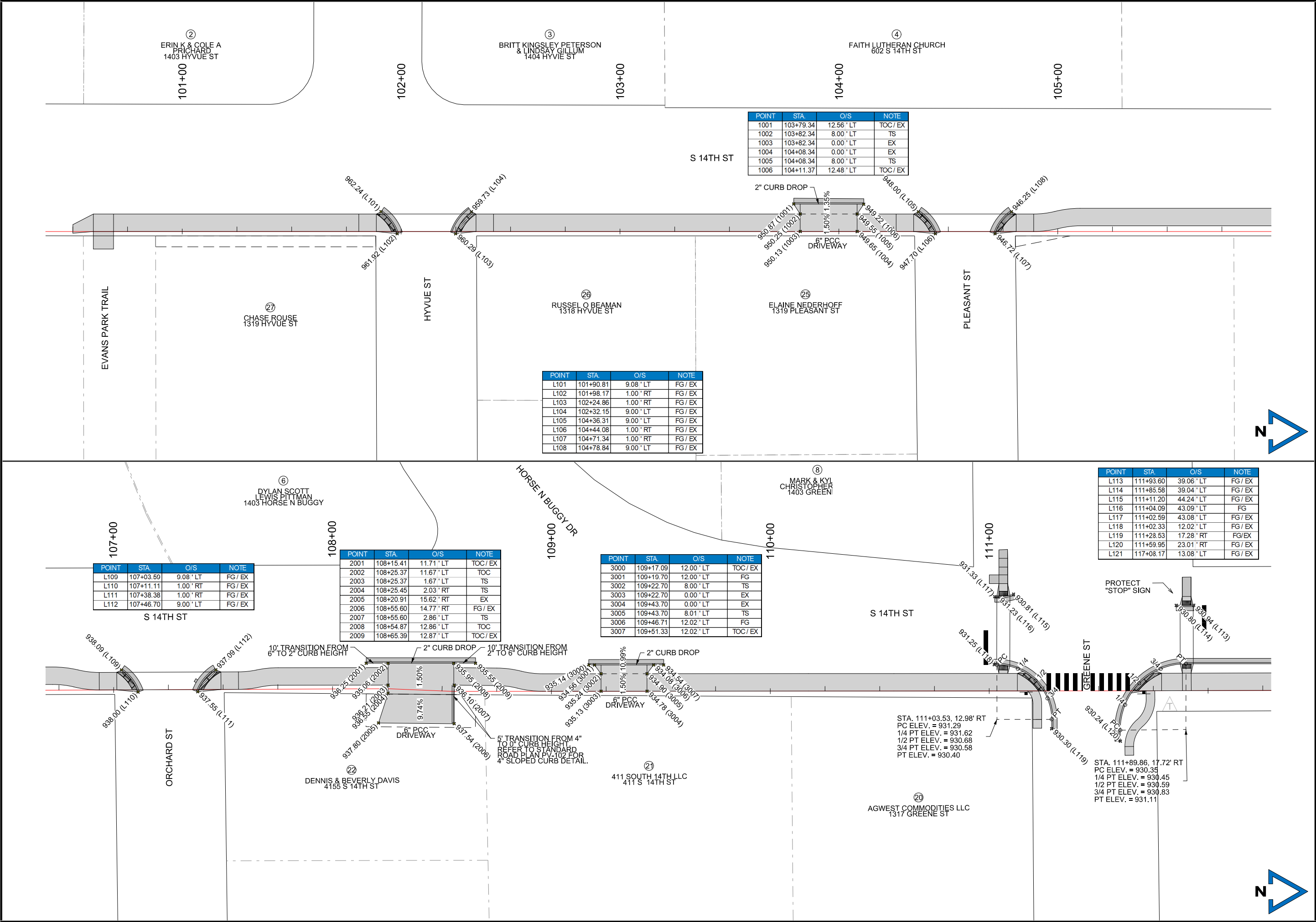
DRAWING NO.
J.02



NOTE:
1. TYPE III BARRICADES SHALL INCLUDE A RAIL THAT IS MAXIMUM 2" FROM THE GROUND PER PROWAG STANDARDS.

PEDESTRIAN CLOSURE LEGEND:





McCLURETM
1360 NW 121st Street, Suite A
Clive, IA 50325
main 515.964.1229

Ankeny, IA | Carroll, IA | Clive, IA
Cedar Rapids, IA | Coralville, IA
Fort Dodge, IA | Sioux City, IA

Macon, MO | Columbia, MO
North Kansas City, MO

Lenexa, KS
Boston, MA | Portsmouth, NH

NOTICE:
McClure Engineering Co. is not responsible or liable for any issues, claims, damages, or losses (collectively, "Losses") which arise from failure to follow these Plans, Specifications, and the engineering intent they convey, or for Losses which arise from failure to obtain and/or follow the engineers' or surveyors' guidance with respect to any alleged errors, omissions, inconsistencies, ambiguities, or conflicts contained within the Plans and Specifications.

20 10 0 20
REVISIONS

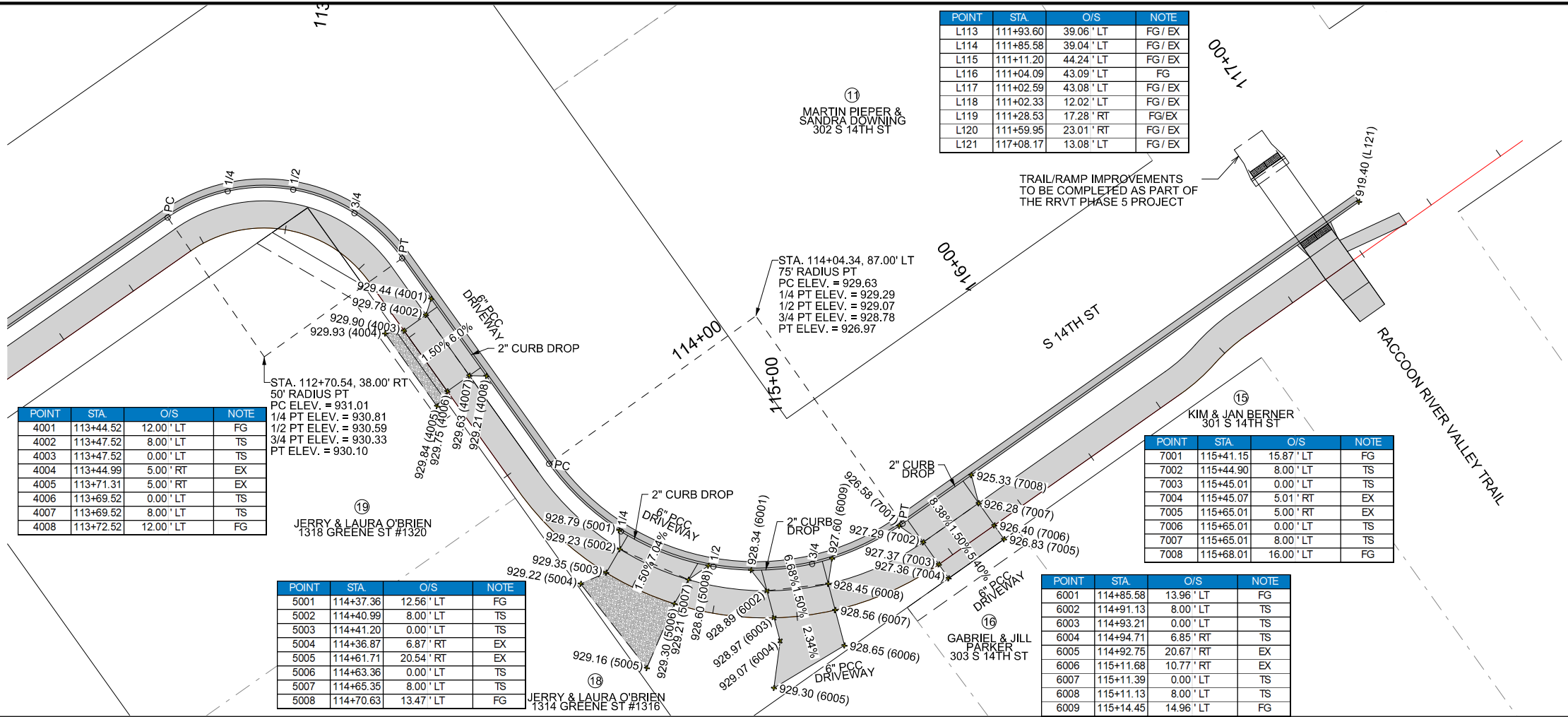
PROJECT INFO
2022000959

ENGINEER: ATTS DRAWN BY: KEC CHECKED BY: OFF

ADEL RECREATION TRAIL CONNECTION
EVANS PARK - RACCOON RIVER VALLEY TRAIL
TAP-U-0035(605)--8I-25

GEOMETRIC SHEETS

DRAWING NO.
L.01



POINT	STA	O/S	NOTE
L113	111+93.60	39.06' LT	FG/EX
L114	111+85.58	39.04' LT	FG/EX
L115	111+11.20	44.24' LT	FG/EX
L116	111+04.09	43.09' LT	FG
L117	111+02.59	43.08' LT	FG/EX
L118	111+02.33	12.02' LT	FG/EX
L119	111+28.53	17.28' RT	FG/EX
L120	111+59.95	23.01' RT	FG/EX
L121	117+08.17	13.08' LT	FG/EX

POINT	STA	O/S	NOTE
4001	113+44.52	12.00' LT	FG
4002	113+47.52	8.00' LT	TS
4003	113+47.52	0.00' LT	TS
4004	113+44.99	5.00' RT	EX
4005	113+71.31	5.00' RT	EX
4006	113+69.52	0.00' LT	TS
4007	113+69.52	8.00' LT	TS
4008	113+72.52	12.00' LT	FG

POINT	STA	O/S	NOTE
5001	114+37.36	12.56' LT	FG
5002	114+40.99	8.00' LT	TS
5003	114+41.20	0.00' LT	TS
5004	114+36.87	6.87' RT	EX
5005	114+61.71	20.54' RT	EX
5006	114+63.36	0.00' LT	TS
5007	114+65.35	8.00' LT	TS
5008	114+70.63	13.47' LT	FG

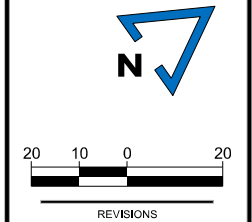
POINT	STA	O/S	NOTE
7001	115+41.15	15.87' LT	FG
7002	115+44.90	8.00' LT	TS
7003	115+45.01	0.00' LT	TS
7004	115+45.07	5.01' RT	EX
7005	115+65.01	5.00' RT	EX
7006	115+65.01	0.00' LT	TS
7007	115+65.01	8.00' LT	TS
7008	115+68.01	16.00' LT	FG

POINT	STA	O/S	NOTE
6001	114+85.58	13.96' LT	FG
6002	114+91.13	8.00' LT	TS
6003	114+93.21	0.00' LT	TS
6004	114+94.71	6.85' RT	TS
6005	114+92.75	20.67' RT	EX
6006	115+11.68	10.77' RT	EX
6007	115+11.39	0.00' LT	TS
6008	115+11.13	8.00' LT	TS
6009	115+14.45	14.96' LT	FG

McCLURETM
1360 NW 121st Street, Suite A
Clive, IA 50325
main 515.964.1229

Ankeny, IA | Carroll, IA | Clive, IA
Cedar Rapids, IA | Coralville, IA
Fort Dodge, IA | Sioux City, IA
Macon, MO | Columbia, MO
North Kansas City, MO
Lenexa, KS
Boston, MA | Portsmouth, NH

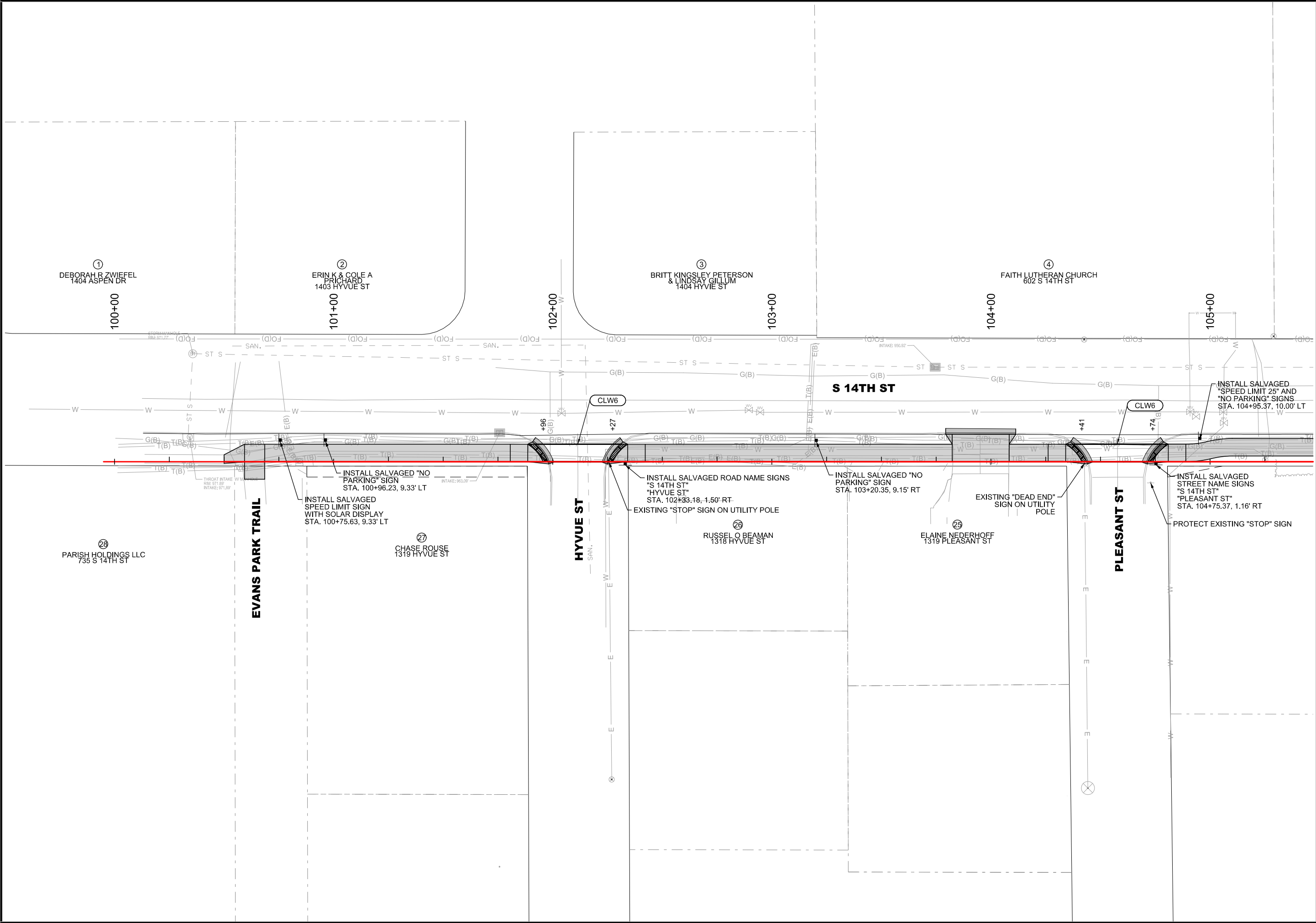
NOTICE:
McClure Engineering Co. is not responsible or liable for any issues, claims, damages, or losses (collectively, "Losses") which arise from failure to follow these Plans, Specifications, and the engineering intent they convey, or for Losses which arise from failure to obtain and/or follow the engineers' or surveyors' guidance with respect to any alleged errors, omissions, inconsistencies, ambiguities, or conflicts contained within the Plans and Specifications.




PROJECT INFO		
2022000959		
ENGINEER	DRAWN BY	CHECKED BY
ATS	KEC	OFF

ADEL RECREATION TRAIL CONNECTION
EVANS PARK - RACCOON RIVER VALLEY TRAIL
ADEL, IA TAP-U-0035(605)--8I-25

GEOMETRIC SHEETS






McCLURETM

1360 NW 121st Street, Suite A
Clive, IA 50325
main 515.964.1229

Ankeny, IA | Carroll, IA | Clive, IA
Cedar Rapids, IA | Coralville, IA
Fort Dodge, IA | Sioux City, IA
Macon, MO | Columbia, MO
North Kansas City, MO
Lenexa, KS
Boston, MA | Portsmouth, NH

NOTICE:
McClure Engineering Co. is not responsible or liable for any issues, claims, damages, or losses (collectively, "Losses") which arise from failure to follow these Plans, Specifications, and the engineering intent they convey, or for Losses which arise from failure to obtain and/or follow the engineers' or surveyors' guidance with respect to any alleged errors, omissions, inconsistencies, ambiguities, or conflicts contained within the Plans and Specifications.



20 10 0 20
REVISIONS


PROJECT INFO
2022000959

ENGINEER	DRAWN BY	CHECKED BY
ATS	KEC	CFF

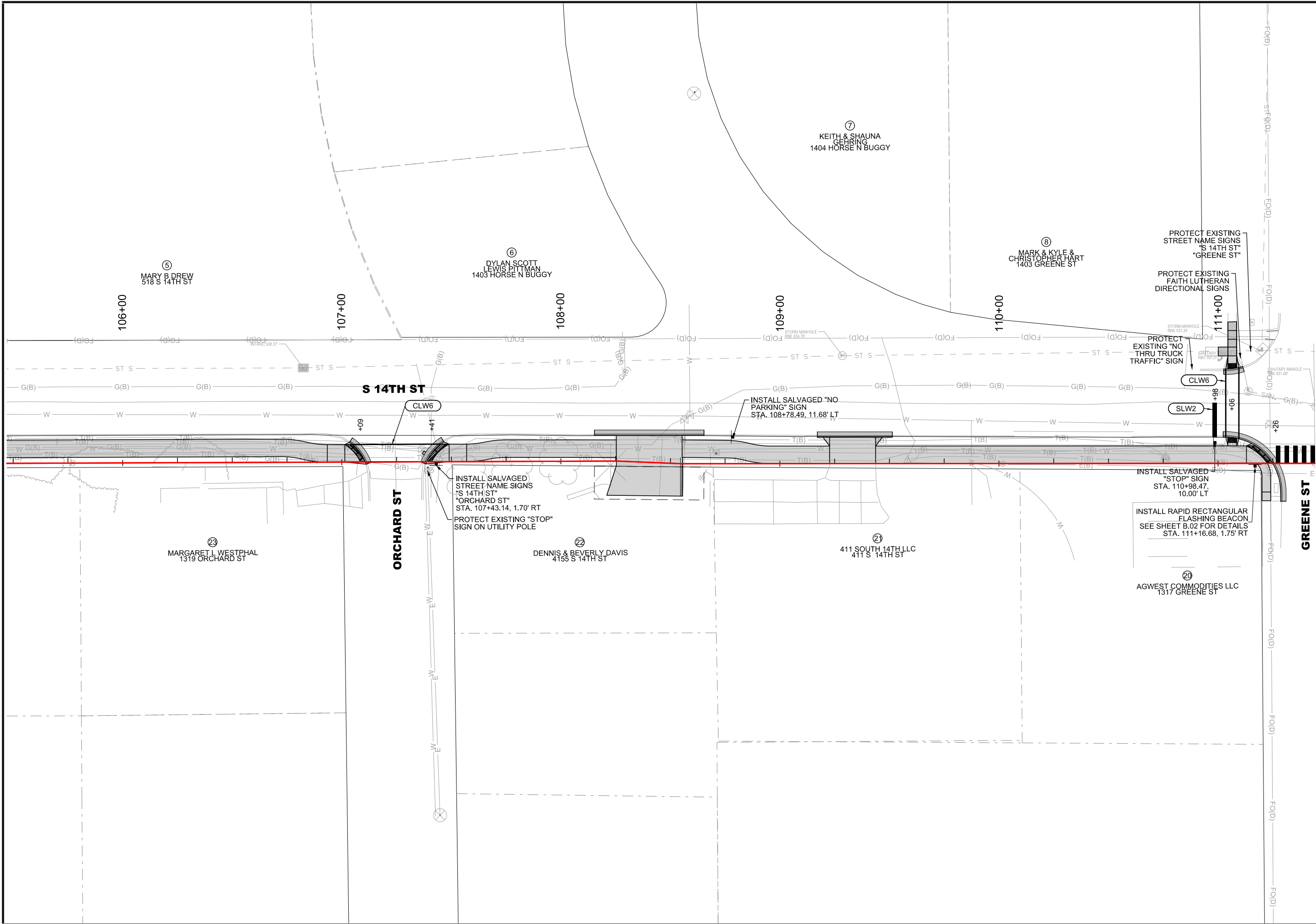
ADEL RECREATION TRAIL CONNECTION
EVANS PARK - RACCOON RIVER VALLEY TRAIL
ADEL, IA
TAP-U-0035(605)--8I-25


PAVEMENT MARKINGS, PERMANENT TRAFFIC
SIGNS, & PEDESTRIAN CROSSING DETAILS

PR2022000959/04cDrawings/CallPlans/SHT_2022000959_N.dgn



DRAWING NO.
N.01






McCLURETM
1360 NW 121st Street, Suite A
Clive, IA 50325
main 515.964.1229

Ankeny, IA | Carroll, IA | Clive, IA
Cedar Rapids, IA | Coralville, IA
Fort Dodge, IA | Sioux City, IA
Macon, MO | Columbia, MO
North Kansas City, MO
Lenexa, KS
Boston, MA | Portsmouth, NH

NOTICE:
McClure Engineering Co. is not responsible or liable for any issues, claims, damages, or losses (collectively, "Losses") which arise from failure to follow these Plans, Specifications, and the engineering intent they convey, or for Losses which arise from failure to obtain and/or follow the engineers' or surveyors' guidance with respect to any alleged errors, omissions, inconsistencies, ambiguities, or conflicts contained within the Plans and Specifications.



20 10 0 20
REVISIONS


PROJECT INFO
2022000959

ENGINEER	DRAWN BY	CHECKED BY
ATS	KEC	CFF

ADEL RECREATION TRAIL CONNECTION
EVANS PARK - RACCOON RIVER VALLEY TRAIL
ADEL, IA
TAP-U-0035(605)--8I-25


PAVEMENT MARKINGS, PERMANENT TRAFFIC
SIGNS, & PEDESTRIAN CROSSING DETAILS

P:\2022000959\04\Drawings\Call Plans\SHI_2022000959_N.dgn



DRAWING NO.
N.02

PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE							
Possible Standards: EC-204							
Line No.	Station From	Station To	Side	Sediment Control Device Type	Diameter Size	Length (LF)	Remarks
1	100+30.78	100+39.02	LT	SOCK	9	20	INTAKE
2	100+36.14	101+86.69	LT	SOCK	9	151	
3	101+14.98	101+59.61	RT	SOCK	9	45	
4	101+73.03	101+78.68	LT	SOCK	9	20	INTAKE
5	102+38.47	103+79.35	LT	SOCK	9	141	
6	103+71.64	103+77.76	LT	SOCK	9	20	INTAKE
7	104+12.12	104+30.42	LT	SOCK	9	18	
8	104+84.47	106+98.37	LT	SOCK	9	214	
9	105+10.11	106+25.33	RT	SOCK	9	116	
10	106+80.10	106+85.31	LT	SOCK	9	20	INTAKE
11	107+50.10	108+25.37	LT	SOCK	9	75	
12	108+54.91	109+17.08	LT	SOCK	9	62	
13	108+88.64	109+19.91	RT	SOCK	9	31	
14	109+12.25	109+17.17	LT	SOCK	9	20	INTAKE
15	109+51.33	111+03.77	LT	SOCK	9	152	
16	111+09.08	111+14.38	LT	SOCK	9	5	
17	111+17.33	111+25.68	LT	SOCK	9	20	INTAKE
18	111+23.32	111+28.00	RT	SOCK	9	18	
19	111+60.48	111+65.93	RT	SOCK	9	23	
20	111+68.34	111+76.36	LT	SOCK	9	20	INTAKE
21	111+76.24	113+45.18	RT	SOCK	9	172	
22	111+77.31	111+88.56	LT	SOCK	9	11	
23	111+95.12	113+45.27	LT	SOCK	9	167	
24	113+71.77	114+38.17	LT	SOCK	9	62	
25	114+69.55	114+86.53	LT	SOCK	9	15	
26	115+13.91	115+41.62	LT	SOCK	9	23	
27	115+29.58	115+34.63	LT	SOCK	9	20	INTAKE
28	115+67.64	116+86.21	LT	SOCK	9	118	
29	116+39.16	116+88.17	RT	SOCK	9	55	
30	116+97.00	117+17.00	LT	SOCK	9	20	
31	116+98.04	117+15.85	RT	SOCK	9	31	
32	117+06.77	117+16.36	LT	SOCK	9	20	INTAKE
TOTAL:						1907	



1360 NW 121st Street, Suite A
Clive, IA 50325
main 515.964.1229

Ankeny, IA | Carroll, IA | Clive, IA
Cedar Rapids, IA | Coralville, IA
Fort Dodge, IA | Sioux City, IA

Macon, MO | Columbia, MO
North Kansas City, MO

Lenexa, KS

Boston, MA | Portsmouth, NH

NOTICE:
McClure Engineering Co. is not responsible or liable for any issues, claims, damages, or losses (collectively, "Losses") which arise from failure to follow these Plans, Specifications, and the engineering intent they convey, or for Losses which arise from failure to obtain and/or follow the engineers' or surveyors' guidance with respect to any alleged errors, omissions, inconsistencies, ambiguities, or conflicts contained within the Plans and Specifications.

REVISIONS


1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

PROJECT INFO
2022000959

ENGINEER	DRAWN BY	CHECKED BY
ATS	KEC	CFF

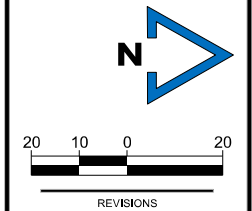
ADEL RECREATION TRAIL CONNECTION
EVANS PARK - RACCOON RIVER VALLEY TRAIL
ADEL, IA
TAP-U-0035(605)--8I-25

SEDIMENT CONTROL QUANTITIES AND
PERTINENT TABULATIONS



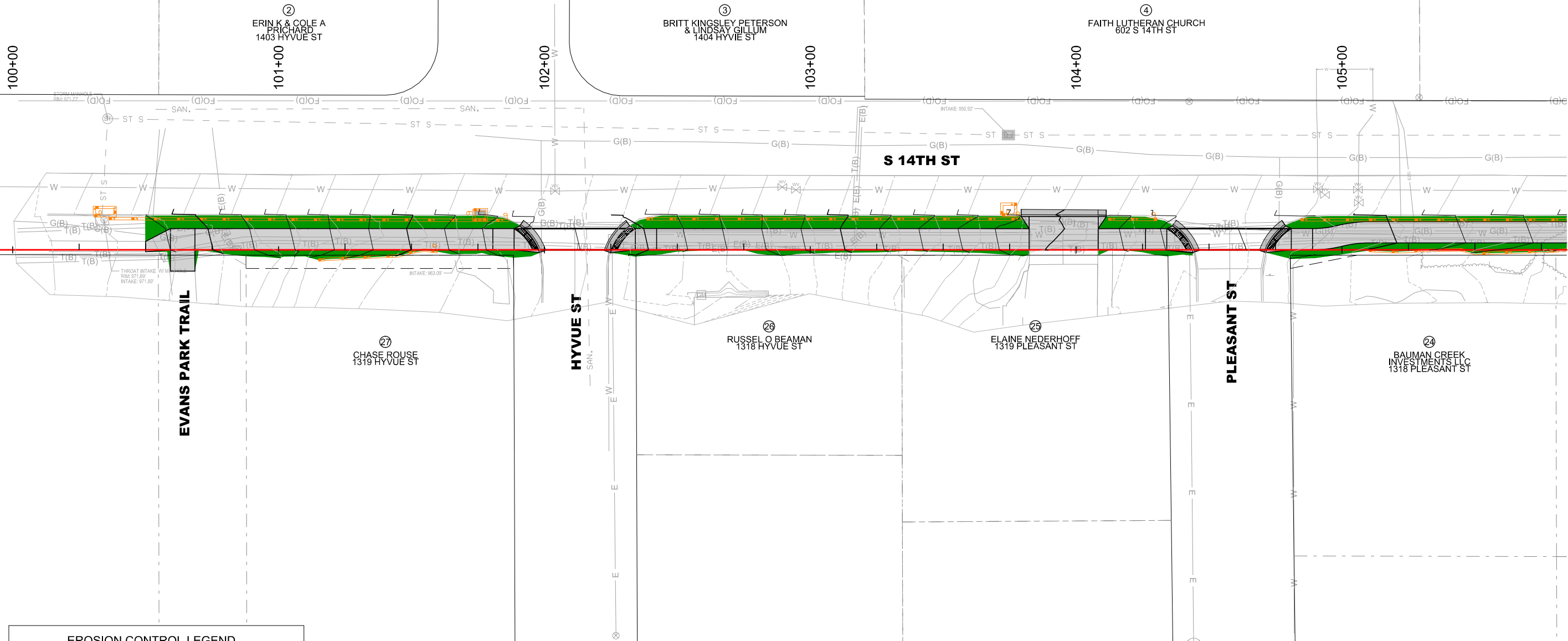
DRAWING NO.
RC.01

NOTICE:
McClure Engineering Co. is not responsible or liable for any issues, claims, damages, or losses (collectively, "Losses") which arise from failure to follow these Plans, Specifications, and the engineering intent they convey, or for Losses which arise from failure to obtain and/or follow the engineers' or surveyors' guidance with respect to any alleged errors, omissions, inconsistencies, ambiguities, or conflicts contained within the Plans and Specifications.



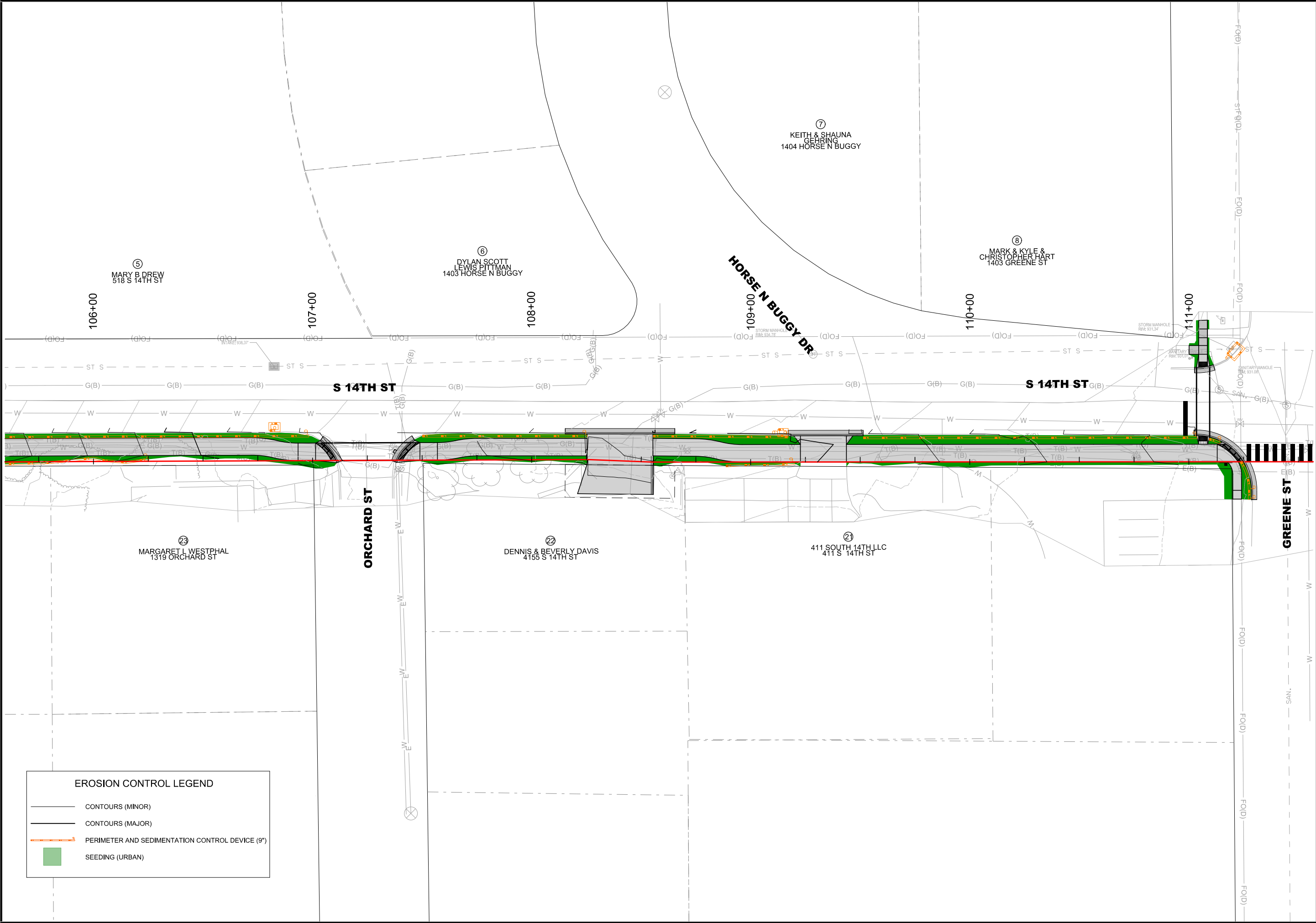
PROJECT INFO
2022009959
ENGINEER: ATS
DRAWN BY: KEC
CHECKED BY: CFF

ADEL RECREATION TRAIL CONNECTION
EVANS PARK - RACCOON RIVER VALLEY TRAIL
ADEL, IA
TAP-U-0035(605)--8I-25
EROSION CONTROL SHEETS



EROSION CONTROL LEGEND

- CONTOURS (MINOR)
- CONTOURS (MAJOR)
- PERIMETER AND SEDIMENTATION CONTROL DEVICE (9")
- SEEDING (URBAN)



EROSION CONTROL LEGEND

CONTOURS (MINOR)

CONTOURS (MAJOR)

McCLURE™

1360 NW 121st Street, Suite A
Clive, IA 50325
main 515.964.1229

Ankeny, IA | Carroll, IA | Clive, IA
Cedar Rapids, IA | Coralville, IA
Fort Dodge, IA | Sioux City, IA
Macon, MO | Columbia, MO
North Kansas City, MO
Lenexa, KS
Boston, MA | Portsmouth, NH

NOTICE:
McClure Engineering Co. is not responsible or liable for any issues, claims, damages, or losses (collectively, "Losses") which arise from failure to follow these Plans, Specifications, and the engineering intent they convey, or for Losses which arise from failure to obtain and/or follow the engineers' or surveyors' guidance with respect to any alleged errors, omissions, inconsistencies, ambiguities, or conflicts contained within the Plans and Specifications.

N

20

10

0

20

REVISIONS

PROJECT INFO
2022000959

ENGINEER
ATS

DRAWN BY
KEC

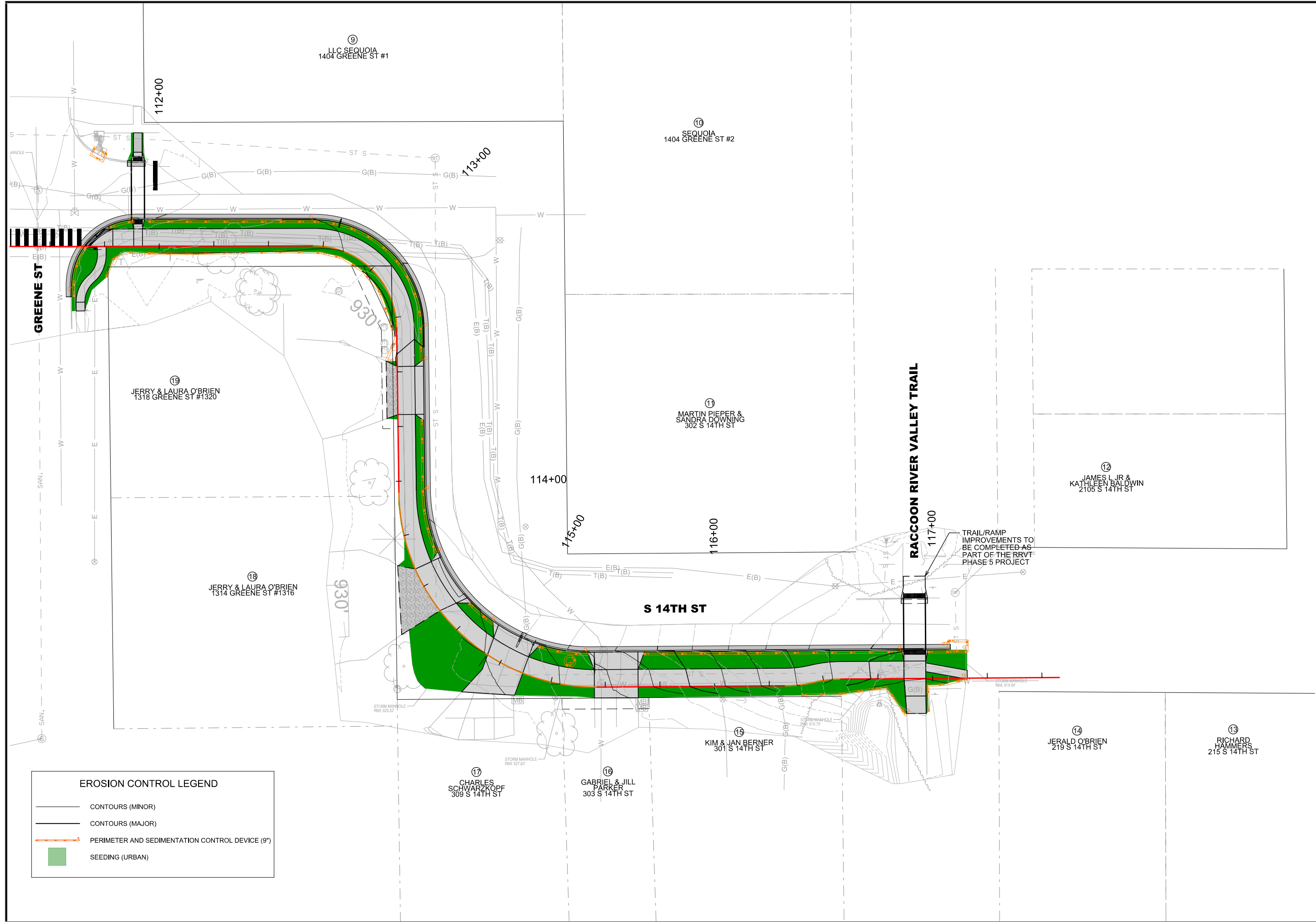
CHECKED BY
CFF

ADEL RECREATION TRAIL CONNECTION
EVANS PARK RACCOON RIVER VALLEY TRAIL
ADEL, IA
TAP-U-0035(605)--8I-25

EROSION CONTROL SHEETS

DRAWING NO.
RR.02

P:\2022\000959\04\Drawings\Call Plans\SH_T_2022000959_R.dgn



EROSION CONTROL LEGEND

- CONTOURS (MINOR)
- CONTOURS (MAJOR)
- PERIMETER AND SEDIMENTATION CONTROL DEVICE (9")
- SEEDING (URBAN)

McCLURETM
1360 NW 121st Street, Suite A
Clive, IA 50325
main 515.964.1229

Ankeny, IA | Carroll, IA | Clive, IA
Cedar Rapids, IA | Coralville, IA
Fort Dodge, IA | Sioux City, IA
Macon, MO | Columbia, MO
North Kansas City, MO
Lenexa, KS
Boston, MA | Portsmouth, NH

NOTICE:
McClure Engineering Co. is not responsible or liable for any issues, claims, damages, or losses (collectively, "Losses") which arise from failure to follow these Plans, Specifications, and the engineering intent they convey, or for Losses which arise from failure to obtain and/or follow the engineers' or surveyors' guidance with respect to any alleged errors, omissions, inconsistencies, ambiguities, or conflicts contained within the Plans and Specifications.

PROJECT INFO
2022000959

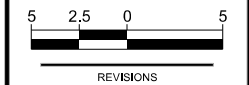
ENGINEER: **ATS** DRAWN BY: **KEC** CHECKED BY: **CFF**

**ADEL RECREATION TRAIL CONNECTION
EVANS PARK - RACCOON RIVER VALLEY TRAIL
ADEL, IA TAP-U-0035(605)--8I-25**

EROSION CONTROL SHEETS

DRAWING NO.
RR.03

NOTICE:
McClure Engineering Co. is not responsible or liable for any issues, claims, damages, or losses (collectively, "Losses") which arise from failure to follow these Plans, Specifications, and the engineering intent they convey, or for Losses which arise from failure to obtain and/or follow the engineers' or surveyors' guidance with respect to any alleged errors, omissions, inconsistencies, ambiguities, or conflicts contained within the Plans and Specifications.

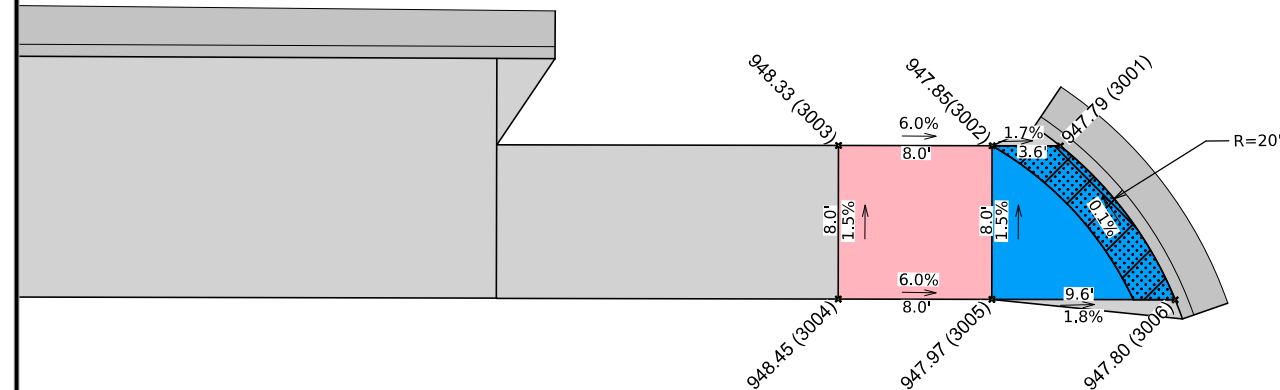


REVISIONS	
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	

PROJECT INFO	
2022000959	
ENGINEER	CHECKED BY
ATS	KEC CFF

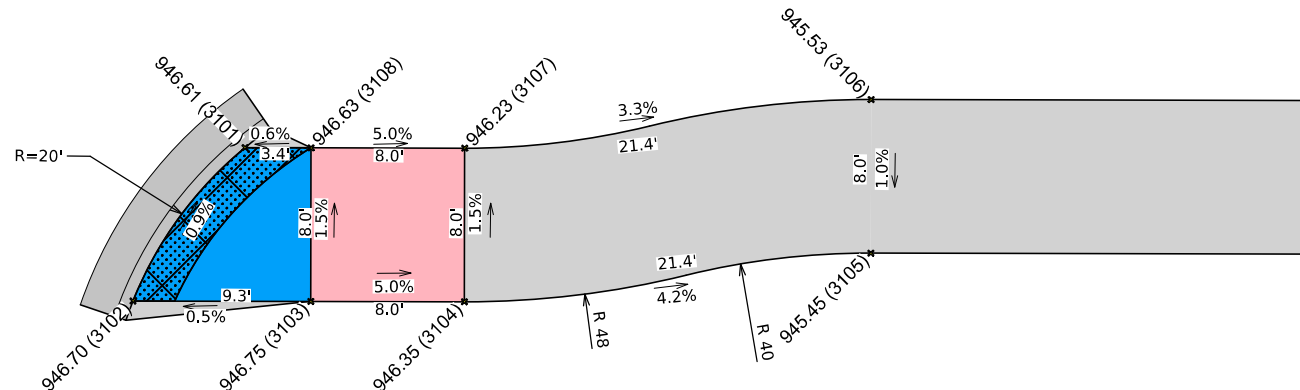
ADEL RECREATION TRAIL CONNECTION
EVANS PARK - RACCOON RIVER VALLEY TRAIL
ADEL, IA
TAP-U-0035(605)--8I-25

S 14TH ST



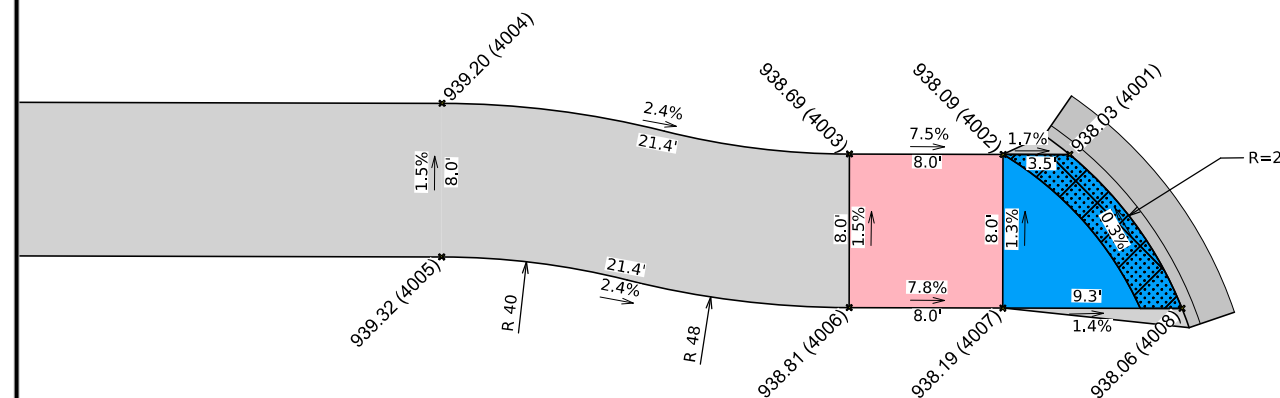
POINT	STA	O/S	NOTES
3001	104+37.69	8.00' LT	LIP
3002	104+34.15	8.00' LT	TS
3003	104+26.14	8.00' LT	TS
3004	104+26.14	0.00' LT	TS
3005	104+34.14	0.00' LT	TS
3006	104+43.69	0.00' LT	LIP

PLEASANT ST



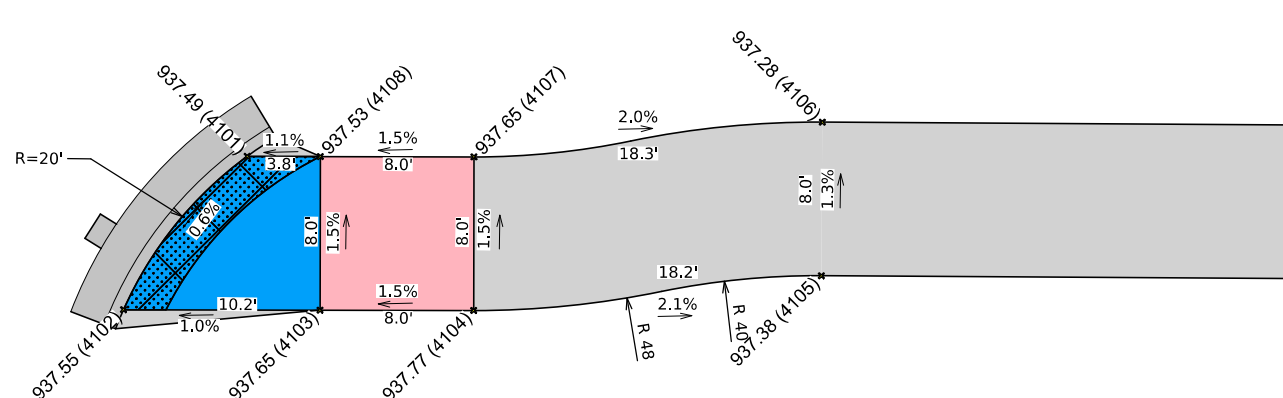
POINT	STA	O/S	NOTES
3101	104+77.53	8.00' LT	LIP
3102	104+71.70	0.00' LT	LIP
3103	104+80.96	0.00' LT	TS
3104	104+88.96	0.00' LT	TS
3105	105+10.13	2.58' LT	TS
3106	105+10.13	10.58' LT	TS
3107	104+88.96	8.00' LT	TS
3108	104+80.96	8.00' LT	TS

S 14TH ST



POINT	STA	O/S	NOTES
4001	107+04.87	8.00' LT	LIP
4002	107+01.41	8.00' LT	TS
4003	106+93.40	8.00' LT	TS
4004	106+72.17	10.60' LT	TS
4005	106+72.17	2.60' LT	TS
4006	106+93.40	0.00' LT	TS
4007	107+01.40	0.00' LT	TS
4008	107+10.74	0.00' LT	LIP

ORCHARD ST



POINT	STA	O/S	NOTES
4101	107+45.21	8.00' LT	LIP
4102	107+38.79	0.00' LT	LIP
4103	107+49.02	0.00' LT	TS
4104	107+57.02	0.00' LT	TS
4105	107+75.13	1.85' LT	TS
4106	107+75.16	9.85' LT	TS
4107	107+57.02	8.00' LT	TS
4108	107+49.02	8.00' LT	TS

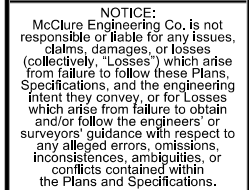
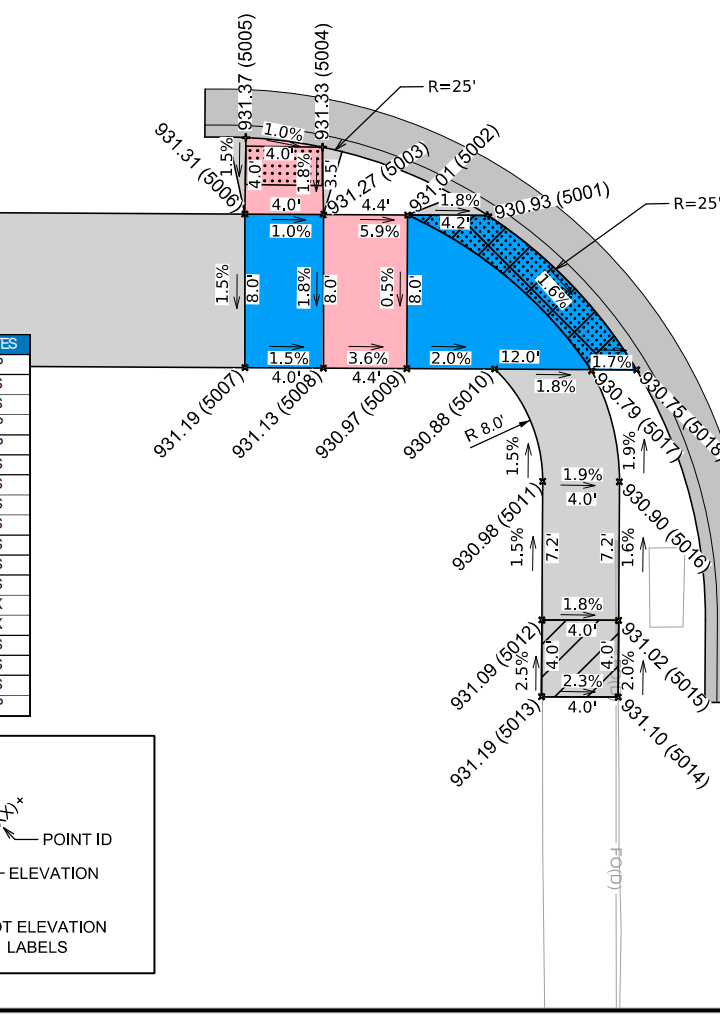


Diagram illustrating a vertical curve with a 12.0' crest length. The curve is defined by a parabolic shape with a radius of 8.0'.

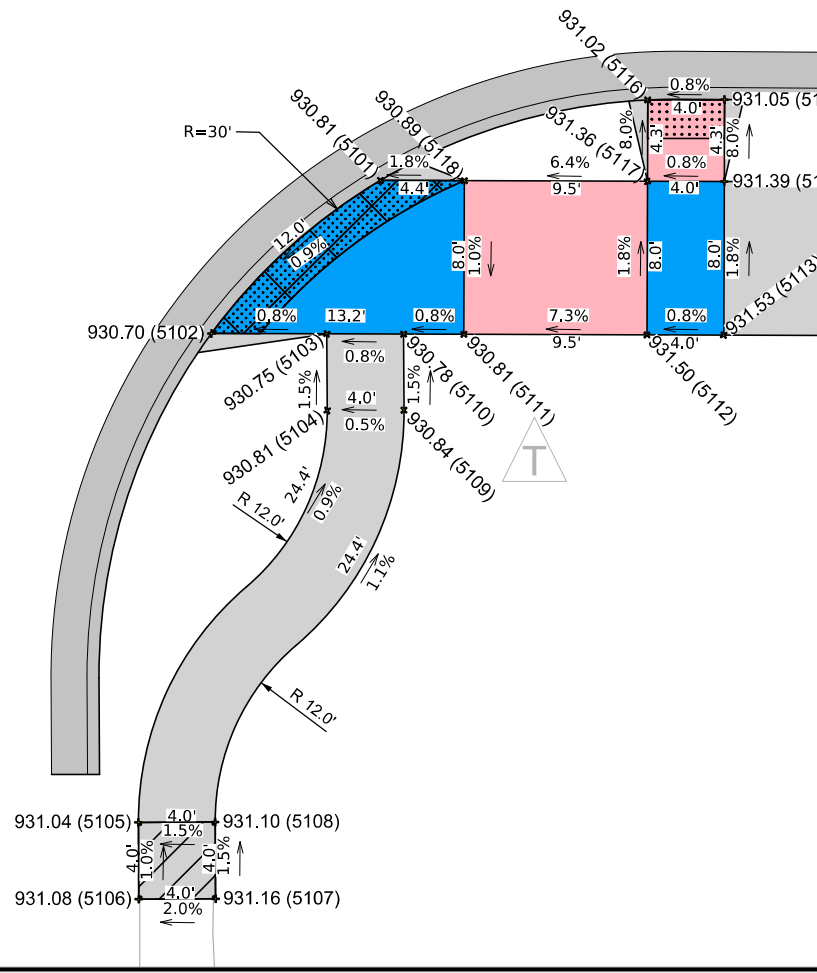
Key points and elevations along the curve:

- Start of Curve: 931.19 (5007)
- 1/4 Point: 931.13 (5008)
- Crest Point: 930.97 (5009)
- 3/4 Point: 930.88 (5010)
- End of Curve: 930.75 (5018)

The diagram also shows the elevation of the road surface at various points and the elevation of the curve at various points. The diagram is labeled with "POINT ID" and "ELEVATION".



GREENE ST



--	--

TRAIL DETAILS

NOTICE:
McClure Engineering Co. is not responsible or liable for any issues, claims, damages, or losses (collectively, "Losses") which arise from failure to follow these Plans, Specifications, and the engineering intent they convey, or for Losses which arise from failure to obtain and/or follow the engineers' or surveyors' guidance with respect to any alleged errors, omissions, inconsistencies, ambiguities, or conflicts contained within the Plans and Specifications.



REVISIONS

PROJECT INFO
2022000959

ENGINEER DRAWN BY CHECKED BY
ATS KEC CFF

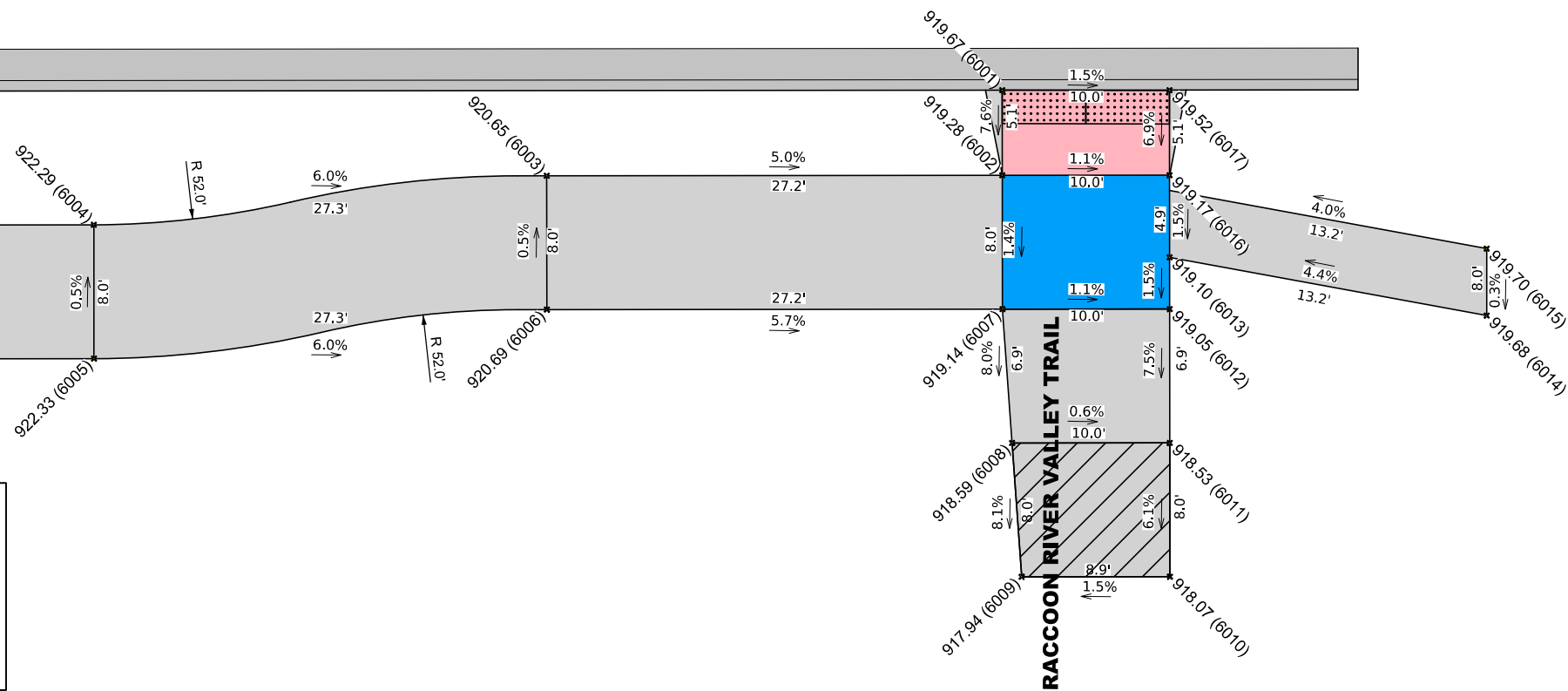
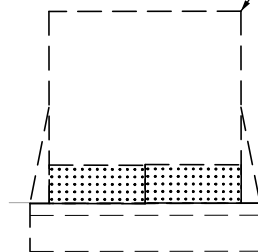
ADEL RECREATION TRAIL CONNECTION
EVANS PARK - RACCOON RIVER VALLEY TRAIL
ADEL, IA
TAP-U-0035(605)--8I-25

TRAIL DETAILS

DRAWING NO.
S.04

S 14TH ST

TRAIL/RAMP IMPROVEMENTS TO BE
COMPLETED AS PART OF THE RRV
PHASE 5 PROJECT



POINT	STA	O/S	NOTES
6001	116+86.89	13.09' LT	UP
6002	116+86.89	8.00' LT	TS
6003	116+59.65	8.00' LT	TS
6004	116+32.35	8.00' LT	TS
6005	116+32.35	0.00' LT	TS
6006	116+59.65	0.00' LT	TS
6007	116+86.89	0.00' LT	TS
6008	116+87.46	8.00' RT	TS
6009	116+88.03	16.00' RT	EX
6010	116+96.89	16.00' RT	EX
6011	116+96.89	8.00' RT	TS
6012	116+96.89	0.00' LT	TS
6013	116+96.89	3.09' LT	TS
6014	117+15.85	0.41' RT	EX
6015	117+15.85	3.59' LT	EX
6016	116+96.89	8.00' LT	TS
6017	116+96.89	13.08' LT	UP

SIDEWALK COMPLIANCE

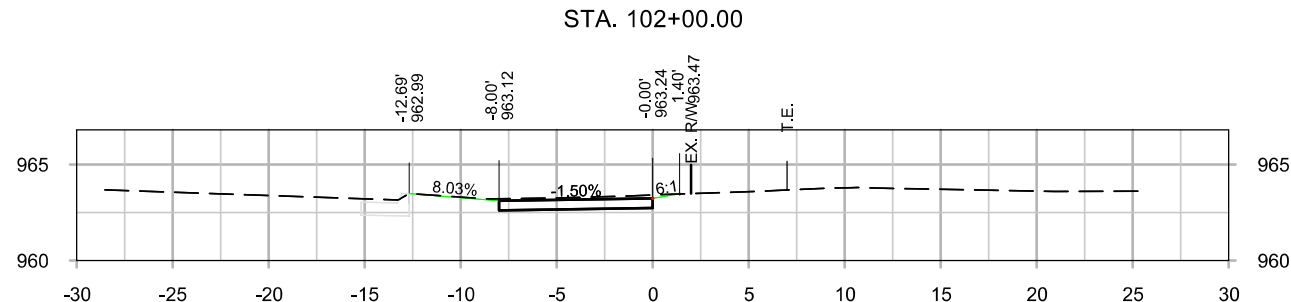
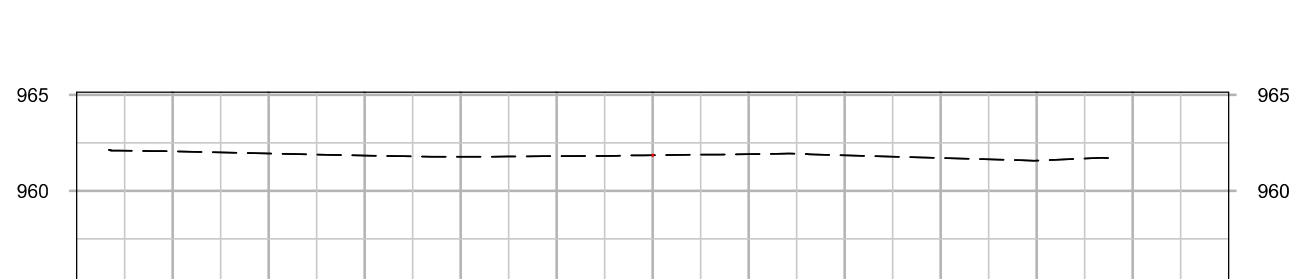
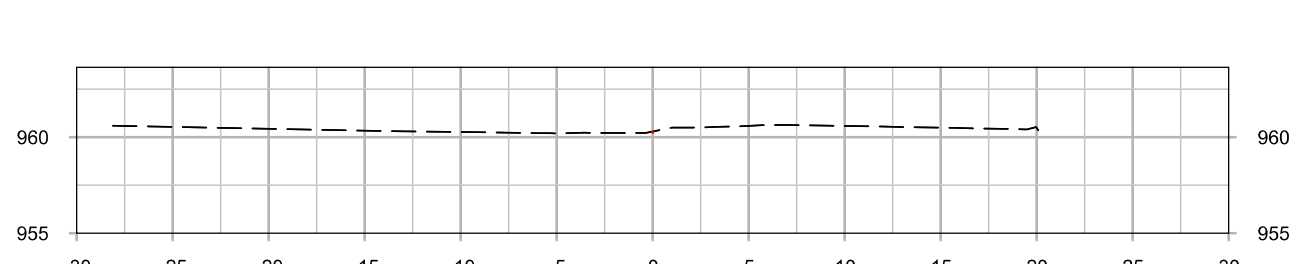
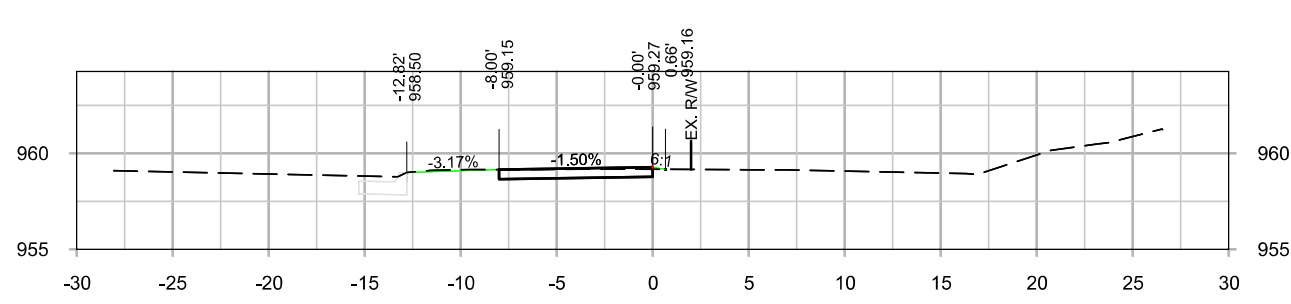
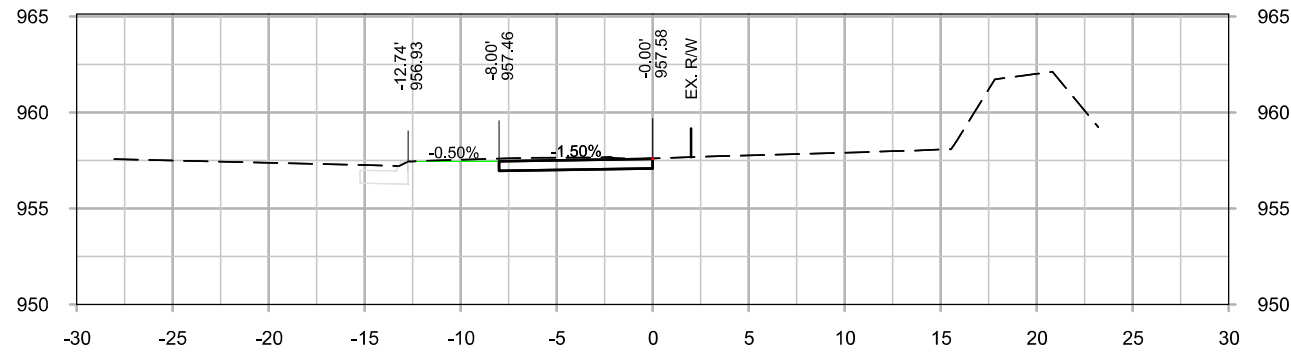
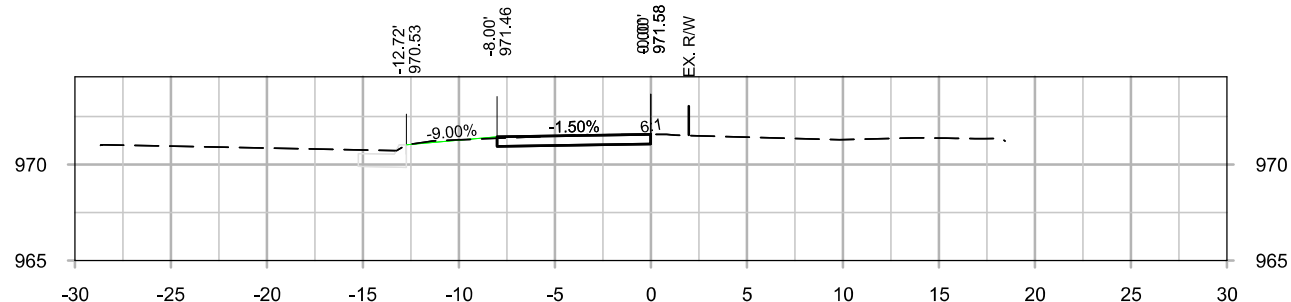
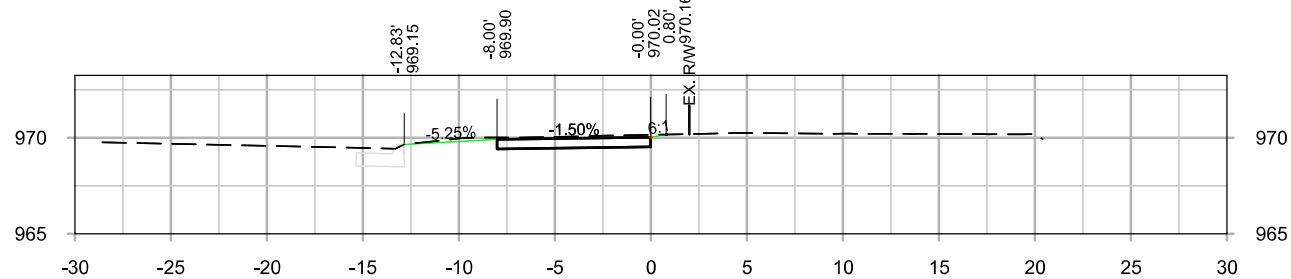
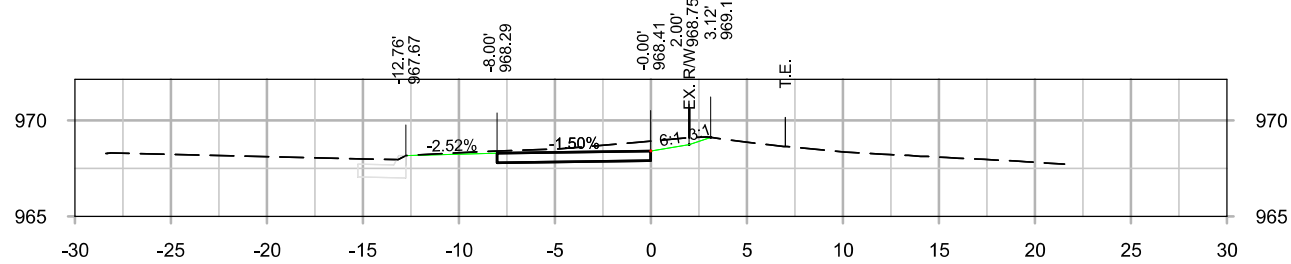
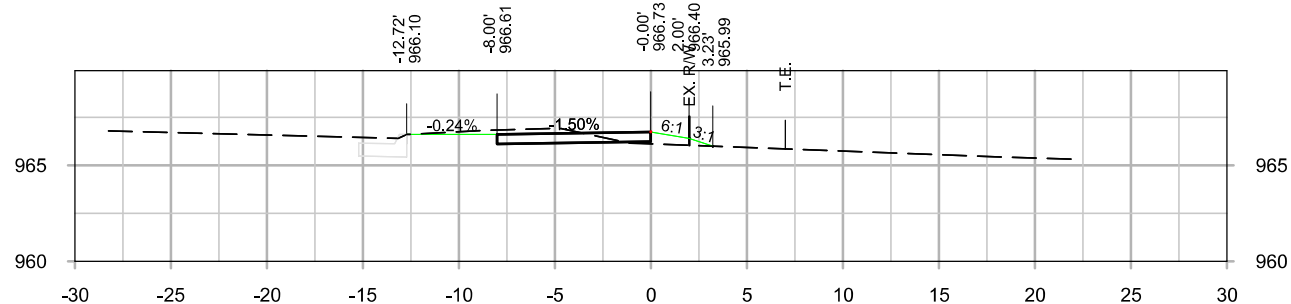
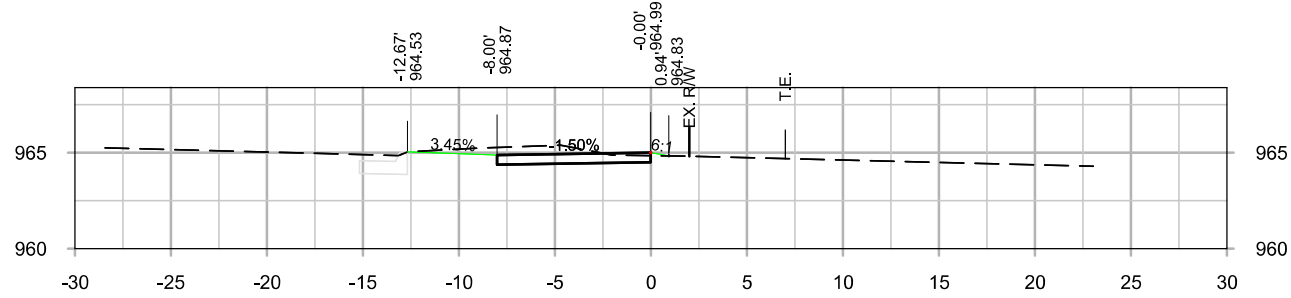
See 5 Sheets


113.10
4/15/24

- * 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.

From Point	Ending Point	Sidewalk Designation	Sidewalk Thickness (IN)	Distance* (FT)	Change in Elevation (FT)	Slope (%)	Acceptable Constructed Range	Staking Required? (1)	Measured Slope (%)	Initials	Remarks
1001	1002	Sidewalk Cross Slope	6"	3.9	0.03	0.8%	0.5% to 2.0%	YES			
1001	1010	Sidewalk Running Slope	6"	10.5	0.84	8.0%	0.5% to 5.0%	YES			
1002	1003	Sidewalk Running Slope	6"	9.4	0.75	8.0%	0.5% to 5.0%	YES			
1003	1004	Sidewalk Running Slope	6"	8	0.27	3.4%	0.5% to 5.0%	YES			
1003	1006	Sidewalk Running Slope	6"	9.3	0.17	1.8%	0.5% to 5.0%	YES			
1004	1005	Sidewalk Cross Slope	6"	9.3	0.53	5.7%	0.5% to 2.0%	YES			
1005	1006	Sidewalk Running Slope	6"	8	0.09	1.1%	0.5% to 5.0%	YES			
1006	1007	Landing/Turning Space	6"	8	0.64	8.0%	0.1% to 2.0%	YES			
1007	1008	Landing/Turning Space	6"	9.3	0.12	1.3%	0.1% to 2.0%	YES			
1006	1009	Landing/Turning Space	6"	8	0.12	1.5%	0.1% to 2.0%	YES			
1003	1010	Sidewalk Running Slope	6"	8	0.12	1.5%	0.5% to 5.0%	YES			
1008	1009	Landing/Turning Space	6"	8	0.64	8.0%	0.1% to 2.0%	YES			
1009	1010	Landing/Turning Space	6"	9.3	0.17	1.8%	0.1% to 2.0%	YES			
2001	2002	Landing/Turning Space	6"	3.4	0.06	1.8%	0.1% to 2.0%	YES			
2001	2006	Landing/Turning Space	6"	9.9	0.02	0.2%	0.1% to 2.0%	YES			
2002	2003	Ramp Cross Slope	6"	8	0.64	8.0%	0.1% to 2.0%	YES			
2002	2005	Landing/Turning Space	6"	8	0.14	1.8%	0.1% to 2.0%	YES			
2003	2004	Sidewalk Cross Slope	6"	8	0.12	1.5%	0.5% to 2.0%	YES			
2004	2005	Ramp Cross Slope	6"	8	0.64	8.0%	0.1% to 2.0%	YES			
2005	2006	Landing/Turning Space	6"	9.2	0.16	1.7%	0.1% to 2.0%	YES			
2101	2102	Landing/Turning Space	6"	3.3	0.03	0.9%	0.1% to 2.0%	YES			
2101	2106	Landing/Turning Space	6"	9.8	0.06	0.6%	0.1% to 2.0%	YES			
2102	2103	Landing/Turning Space	6"	9	0.09	1.0%	0.1% to 2.0%	YES			
2103	2104	Landing/Turning Space	6"	8	0.55	6.9%	0.1% to 2.0%	YES			
2103	2106	Landing/Turning Space	6"	8	0.12	1.5%	0.1% to 2.0%	YES			
2104	2105	Sidewalk Cross Slope	6"	8	0.12	1.5%	0.5% to 2.0%	YES			
2105	2106	Sidewalk Running Slope	6"	8	0.55	6.9%	0.5% to 5.0%	YES			
3001	3002	Ramp Running Slope	6"	3.6	0.06	1.7%	0.5% to 8.3%	YES			
3001	3006	Ramp Cross Slope	6"	10.1	0.01	0.1%	0.1% to 2.0%	YES			
3002	3003	Landing/Turning Space	6"	8	0.48	6.0%	0.1% to 2.0%	YES			
3002	3005	Landing/Turning Space	6"	8	0.12	1.5%	0.1% to 2.0%	YES			
3003	3004	Landing/Turning Space	6"	8	0.12	1.5%	0.1% to 2.0%	YES			
3004	3005	Landing/Turning Space	6"	8	0.48	6.0%	0.1% to 2.0%	YES			
3005	3006	Ramp Running Slope	6"	9.6	0.17	1.8%	0.5% to 8.3%	YES			
3101	3102	Landing/Turning Space	6"	9.9	0.09	0.9%	0.1% to 2.0%	YES			
3101	3108	Landing/Turning Space	6"	3.4	0.02	0.6%	0.1% to 2.0%	YES			
3102	3103	Landing/Turning Space	6"	9.3	0.05	0.5%	0.1% to 2.0%	YES			
3103	3104	Ramp Running Slope	6"	8	0.4	5.0%	0.5% to 8.3%	YES			
3103	3108	Landing/Turning Space	6"	8	0.12	1.5%	0.1% to 2.0%	YES			
3104	3105	Sidewalk Running Slope	6"	21.4	0.9	4.2%	0.5% to 5.0%	YES			
3104	3107	Ramp Cross Slope	6"	8	0.12	1.5%	0.1% to 2.0%	YES			
3105	3106	Sidewalk Cross Slope	6"	8	0.08	1.0%	0.5% to 2.0%	YES			
3106	3107	Sidewalk Running Slope	6"	21.4	0.7	3.3%	0.5% to 5.0%	YES			
3107	3108	Ramp Running Slope	6"	8	0.4	5.0%	0.5% to 8.3%	YES			
4001	4002	Landing/Turning Space	6"	3.5	0.06	1.7%	0.1% to 2.0%	YES			
4001	4008	Landing/Turning Space	6"	10	0.03	0.3%	0.1% to 2.0%	YES			
4002	4003	Ramp Running Slope	6"	8	0.6	7.5%	0.5% to 8.3%	YES			
4002	4007	Landing/Turning Space	6"	8	0.1	1.3%	0.1% to 2.0%	YES			
4003	4004	Sidewalk Running Slope	6"	21.4	0.51	2.4%	0.5% to 5.0%	YES			
4003	4007	Ramp Cross Slope	6"	8	0.12	1.5%	0.1% to 2.0%	YES			
4004	4005	Sidewalk Cross Slope	6"	8	0.12	1.5%	0.5% to 2.0%	YES			
4005	4006	Sidewalk Running Slope	6"	21.4	0.51	2.4%	0.5% to 5.0%	YES			
4006	4007	Ramp Running Slope	6"	8	0.62	7.8%	0.5% to 8.3%	YES			
4007	4008	Landing/Turning Space	6"	9.3	0.13	1.4%	0.1% to 2.0%	YES			
4101	4102	Landing/Turning Space	6"	10.3	0.06	0.6%	0.1% to 2.0%	YES			
4101	4108	Landing/Turning Space	6"	3.8	0.04	1.1%	0.1% to 2.0%	YES			
4102	4103	Landing/Turning Space	6"	10.2	0.1	1.0%	0.1% to 2.0%	YES			
4103	4104	Ramp Running Slope	6"	8	0.12	1.5%	0.5% to 8.3%	YES			
4103	4108	Landing/Turning Space	6"	8	0.12	1.5%	0.1% to 2.0%	YES			
4104	4105	Sidewalk Running Slope	6"	18.2	0.39	2.1%	0.5% to 5.0%	YES			
4104	4107	Ramp Cross Slope	6"	8	0.12	1.5%	0.1% to 2.0%	YES			
4105	4106	Sidewalk Cross Slope	6"	8	0.1	1.3%	0.5% to 2.0%	YES			
4106	4107	Sidewalk Running Slope	6"	18.3	0.37	2.0%	0.5% to 5.0%	YES			
4107	4108	Ramp Running Slope	6"	8	0.12	1.5%	0.5% to 8.3%	YES			
5001	5002	Landing/Turning Space	6"	4.2	0.08	1.9%	0.1% to 2.0%	YES			
5001	5018	Landing/Turning Space	6"	11.2	0.18	1.6%	0.1% to 2.0%	YES			
5002	5003	Ramp Running Slope	6"	4.4	0.26	5.9%	0.5% to 8.3%	YES			
5002	5009	Landing/Turning Space	6"	8	0.04	0.5%	0.1% to 2.0%	YES			
5003	5004	Ramp Running Slope	6"	3.5	0.06	1.7%	0.5% to 8.3%	YES			
5003	5006	Landing/Turning Space	6"	4	0.04	1.0%	0.1% to 2.0%	YES			
5003	5008	Landing/Turning Space	6"	8	0.14	1.8%	0.1% to 2.0%	YES			
5004	5005	Ramp Cross Slope	6"	4	0.04	1.0%	0.1% to 2.0%	YES			
5005	5006	Ramp Running Slope	6"	4	0.06	1.5%	0.5% to 8.3%	YES			
5006	5007	Landing/Turning Space	6"	8	0.12	1.5%	0.1% to 2.0%	YES			
5007	5008	Landing/Turning Space	6"	4	0.06	1.5%	0.1% to 2.0%	YES			
5008	5009	Ramp Running Slope	6"	4.4	0.16	3.6%	0.5% to 8.3%	YES			
5009	5010	Landing/Turning Space	6"	4.5	0.09	2.0%	0.1% to 2.0%	YES			
5010	5011	Sidewalk Running Slope	6"	6.4	0.1	1.6%	0.5% to 5.0%	YES			

5010	5017	Landing/Turning Space	6"	5	0.09	1.8%	0.1% to 2.0%	YES			
5011	5012	Sidewalk Running Slope	6"	7.2	0.11	1.5%	0.5% to 5.0%	YES			
5011	5016	Sidewalk Cross Slope	6"	4	0.08	2.0%	0.5% to 2.0%	YES			
5012	5013	Sidewalk Running Slope	6"	4	0.1	2.5%	0.5% to 5.0%	YES			
5012	5015	Sidewalk Cross Slope	6"	4	0.07	1.8%	0.5% to 2.0%	YES			
5013	5014	Match Existing Cross Slope	6"	4	0.09	2.3%	Match Existing	YES			
5014	5015	Sidewalk Running Slope	6"	4	0.08	2.0%	0.5% to 5.0%	YES			
5015	5016	Sidewalk Running Slope	6"	7.2	0.12	1.7%	0.5% to 5.0%	YES			
5016	5017	Sidewalk Running Slope	6"	6	0.11	1.8%	0.5% to 5.0%	YES			
5017	5018	Landing/Turning Space	6"	2.3	0.04	1.7%	0.1% to 2.0%	YES			
5101	5102	Landing/Turning Space	6"	12	0.11	0.9%	0.1% to 2.0%	YES			
5101	5118	Landing/Turning Space	6"	4.4	0.08	1.8%	0.1% to 2.0%	YES			
5102	5103	Landing/Turning Space	6"	6	0.05	0.8%	0.1% to 2.0%	YES			
5103	5104	Sidewalk Running Slope	6"	4	0.06	1.5%	0.5% to 5.0%	YES			
5103	5110	Landing/Turning Space	6"	4	0.03	0.8%	0.1% to 2.0%	YES			
5104	5105	Sidewalk Running Slope	6"	24.4	0.23	0.9%	0.5% to 5.0%	YES			
5104	5109	Sidewalk Cross Slope	6"	4	0.03	0.8%	0.5% to 2.0%	YES			
5105	5106	Sidewalk Running Slope	6"	4	0.04	1.0%	0.5% to 5.0%	YES			
5105	5108	Sidewalk Cross Slope	6"	4	0.06	1.5%	0.5% to 2.0%	YES			
5106	5107	Match Existing Cross Slope	6"	4	0.08	2.0%	Match Existing	YES			
5107	5108	Sidewalk Running Slope	6"	4	0.06	1.5%	0.5% to 5.0%	YES			
5108	5109	Sidewalk Running Slope	6"	24.4	0.26	1.1%	0.5% to 5.0%	YES			
5109	5110	Sidewalk Running Slope	6"	4	0.06	1.5%	0.5% to 5.0%	YES			
5110	5111	Landing/Turning Space	6"	3.4	0.03	0.9%	0.1% to 2.0%	YES			
5111	5112	Ramp Running Slope	6"	9.5	0.69	7.3%	0.5% to 8.3%	YES			
5111	5118	Landing/Turning Space	6"	8	0.08	1.0%	0.1% to 2.0%	YES			
5112	5113	Landing/Turning Space	6"	4	0.03	0.8%	0.1% to 2.0%	YES			
5112	5117	Landing/Turning Space	6"	8	0.14	1.8%	0.1% to 2.0%	YES			
5113	5114	Landing/Turning Space	6"	8	0.14	1.8%	0.1% to 2.0%	YES			
5114	5115	Ramp Running Slope	6"	4.3	0.34	7.9%	0.5% to 8.3%	YES			
5114	5117	Landing/Turning Space	6"	4	0.03	0.8%	0.1% to 2.0%	YES			
5115	5116	Ramp Cross Slope	6"	4	0.03	0.8%	0.1% to 2.0%	YES			
5116	5117	Ramp Running Slope	6"	4.3	0.34	7.9%	0.5% to 8.3%	YES			
5117	5118	Ramp Running Slope	6"	9.5	0.47	4.9%	0.5% to 8.3%	YES			
5201	5202	Ramp Cross Slope	6"	4	0.01	0.3%	0.1% to 2.0%	YES			
5201	5206	Ramp Running Slope	6"	4	0.11	2.8%	0.5% to 8.3%	YES			
5202	5203	Ramp Running Slope	6"	4	0.15	3.8%	0.5% to 8.3%	YES			
5203	5204	Sidewalk Running Slope	6"	8.9	0.15	1.7%	0.5% to 5.0%	YES			
5203	5206	Ramp Cross Slope	6"	4	0.03	0.8%	0.1% to 2.0%	YES			
5204	5205	Match Existing Cross Slope	6"	4	0.02	0.5%	Match Existing	YES			
5205	5206	Sidewalk Running Slope	6"	8.8	0.16	1.8%	0.5% to 5.0%	YES			
5301	5302	Ramp Running Slope	6"	5.6	0.45	8.0%	0.5% to 8.3%	YES			
5301	5314	Ramp Cross Slope	6"	4	0.08	2.0%	0.1% to 2.0%	YES			
5302	5303	Landing/Turning Space	6"	4	0.07	1.8%	0.1% to 2.0%	YES			
5302	5313	Landing/Turning Space	6"	4	0.05	1.3%	0.1% to 2.0%	YES			
5303	5304	Sidewalk Running Slope	6"	3.5	0.15	4.3%	0.5% to 5.0%	YES			
5303	5310	Landing/Turning Space	6"	4	0.06	1.5%	0.1% to 2.0%	YES			
5304	5305	Landing/Turning Space	6"	4	0.04	1.0%	0.1% to 2.0%	YES			
5304	5309	Landing/Turning Space	6"	4	0.04	1.0%	0.1% to 2.0%	YES			
5305	5306	Sidewalk Running Slope	6"	4.1	0.04	1.0%	0.5% to 5.0%	YES			
5305	5308	Landing/Turning Space	6"	4	0.07	1.8%	0.1% to 2.0%	YES			
5306	5307	Match Existing Cross Slope	6"	3.9	0.16	4.1%	Match Existing	YES			
5307	5308	Sidewalk Running Slope	6"	4	0.13	3.3%	0.5% to 5.0%	YES			
5308	5309	Landing/Turning Space	6"	4	0.07	1.8%	0.1% to 2.0%	YES			
5309	5310	Sidewalk Running Slope	6"	3.5	0.13	3.7%	0.5% to 5.0%	YES			
5310	5311	Sidewalk Running Slope	6"	4.4	0.25	5.7%	0.5% to 5.0%	YES			
5310	5313	Landing/Turning Space	6"	4	0.08	2.0%	0.1% to 2.0%	YES			
5311	5312	Match Existing Cross Slope	6"	4	0.06	1.5%	Match Existing	YES			
5312	5313	Sidewalk Running Slope	6"	4.4	0.27	6.1%	0.5% to 5.0%	YES			
5313	5314	Ramp Running Slope	6"	6	0.42	7.0%	0.5% to 8.3%	YES			
6001	6002	Ramp Running Slope	6"	5.1	0.39	7.6%	0.5% to 8.3%	YES			
6001	6017	Ramp Cross Slope	6"	10	0.15	1.5%	0.1% to 2.0%	YES			
6002	6003	Sidewalk Running Slope	6"	27.2	1.37	5.0%	0.5% to 5.0%	YES			
6003	6004	Ramp Running Slope	6"	27.3	1.64	6.0%	0.5% to 8.3%	YES			
6003	6006	Sidewalk Cross Slope	6"	8	0.04	0.5%	0.5% to 2.0%	YES			
6004	6005	Sidewalk Cross Slope	6"	8	0.04	0.5%	0.5% to 2.0%	YES			
6005	6006	Ramp Running Slope	6"	27.3	1.64	6.0%	0.5% to 8.3%	YES			
6006	6007	Ramp Running Slope	6"	27.2	1.55	5.7%	0.5% to 8.3%	YES			
6007	6008	Sidewalk Running Slope	6"	6.9	0.55	8.0%	0.5% to 5.0%	YES			
6007	6012	Landing/Turning Space	6"	10	0.09	0.9%	0.1% to 2.0%	YES			
6008	6009	Sidewalk Running Slope	6"	8	0.65	8.1%	0.5% to 5.0%	YES			
6008	6011	Sidewalk Cross Slope	6"	10	0.06	0.6%	0.5% to 2.0%	YES			
6009	6010	Match Existing Cross Slope	6"	8.9	0.13	1.5%	Match Existing	YES			
6010	6011	Sidewalk Running Slope	6"	8	0.46	5.8%	0.5% to 5.0%	YES			
6011	6012	Sidewalk Running Slope	6"	6.9	0.52	7.5%	0.5% to 5.0%	YES			
6013	6014	Sidewalk Running Slope	6"	13.2	0.58	4.4%	0.5% to 5.0%	YES			
6014	6015	Match Existing Cross Slope	6"	8	0.02	0.3%	Match Existing	YES			
6015	6016	Sidewalk Running Slope	6"	13.2	0.53	4.0%	0.5% to 5.0%	YES			
6016	6017	Ramp Running Slope	6"	5.1	0.35	6.9%	0.5% to 8.3%	YES			
6101	6102	Ramp Running Slope	6"	5	0.14	2.8%	0.5% to 8.3%	YES			
6101	6106	Ramp Cross Slope	6"	10	0.28	2.8%	0.1% to 2.0%	YES			
6102	6103	Landing/Turning Space	6"	5	0.05	1.0%	0.1% to 2.0%	YES			
6103	6104	Landing/Turning Space	6"	10	0.15	1.5%	0.1% to 2.0%	YES			
6102	6105	Landing/Turning Space	6"	10	0.18	1.8%	0.1% to 2.0%	YES			
6104	6105	Landing/Turning Space	6"	5	0.08	1.6%	0.1% to 2.0%	YES			
6105	6106	Ramp Running Slope	6"	5	0.24	4.8%	0.5% to 8.3%	YES			





McCLURETM

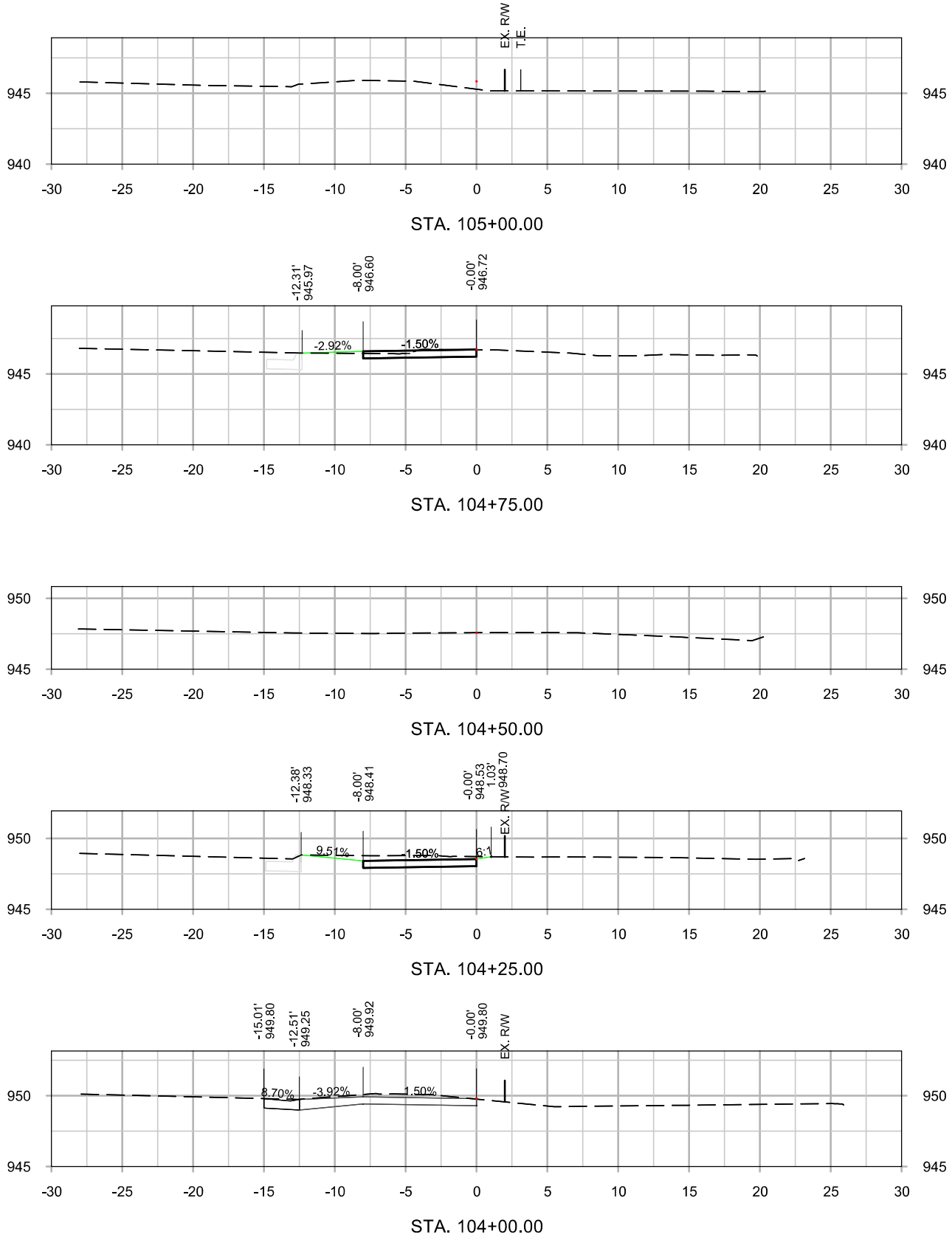
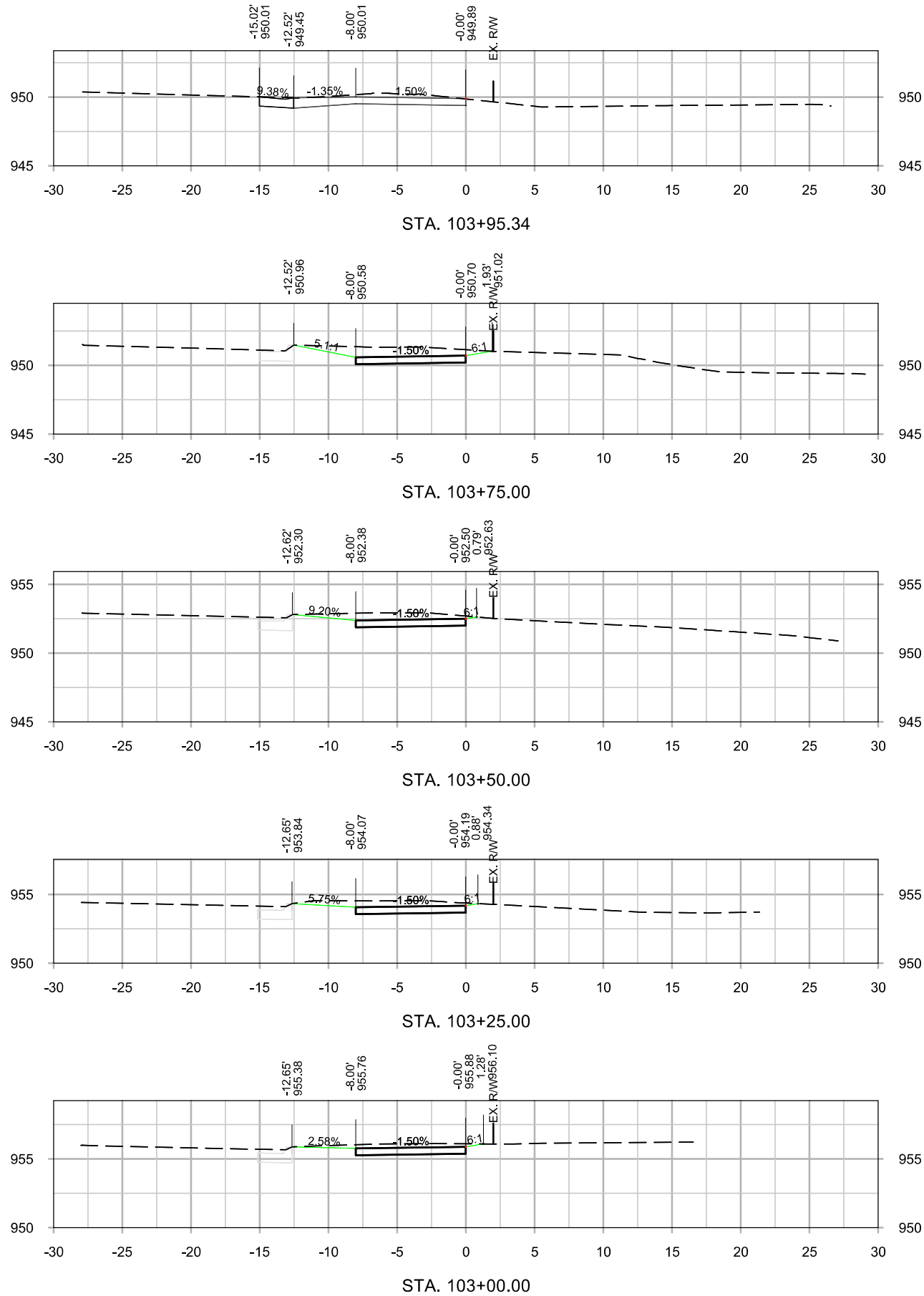
1360 NW 121st Street, Suite A
Clive, IA 50325
main 515.964.1229

Ankeny, IA | Carroll, IA | Clive, IA
Cedar Rapids, IA | Coralville, IA
Fort Dodge, IA | Sioux City, IA
Macon, MO | Columbia, MO
North Kansas City, MO
Lenexa, KS
Portsmouth, NH

NOTICE:
McClure Engineering Co. is not responsible or liable for any issues, claims, damages, or losses (collectively, "Losses") which arise from failure to follow these Plans, Specifications, and the engineering intent they convey, or for Losses which arise from failure to obtain and/or follow the engineers' or surveyors' guidance with respect to any alleged errors, omissions, inconsistencies, ambiguities, or conflicts contained within the Plans and Specifications.

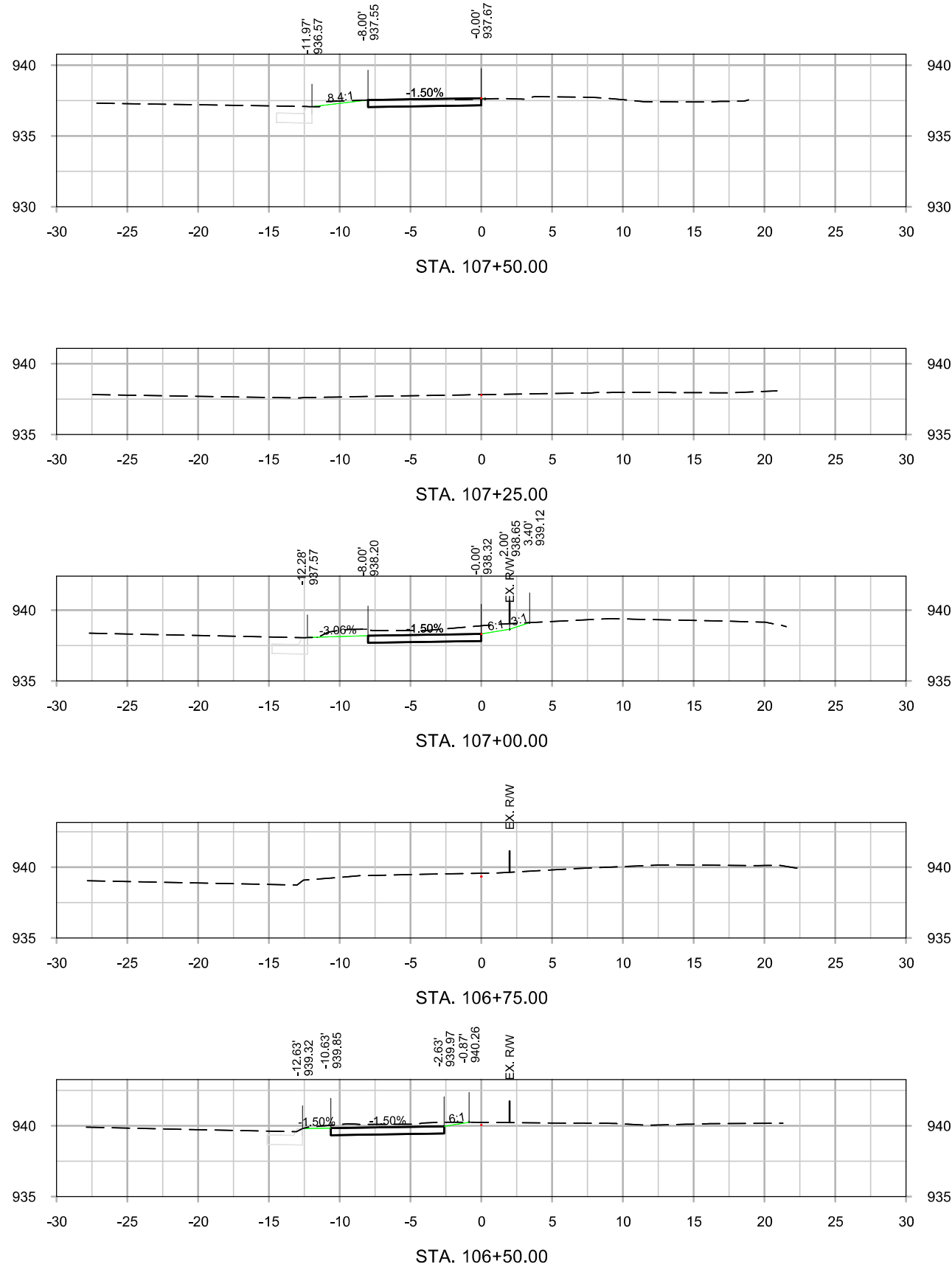
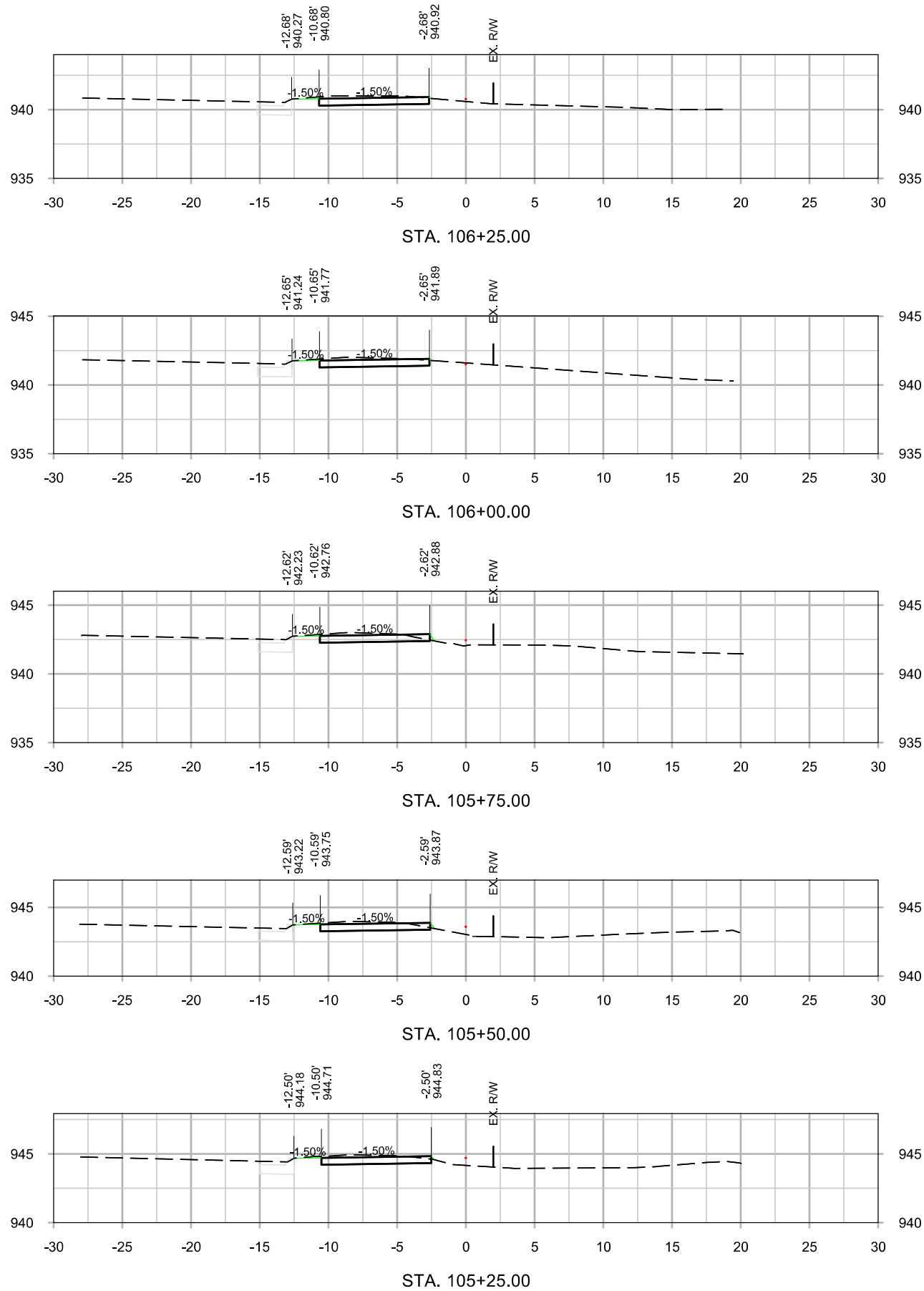
REVISIONS		
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
PROJECT INFO		
2022000959		
ENGINEER	DRAWN BY	CHECKED BY
ATS	KEC	CFF


ADEL RECREATION TRAIL CONNECTION
EVANS PARK - RACCOON RIVER VALLEY TRAIL
ADEL, IA
TAP-U-0035(605)--8I-25



NOTICE:
McClure Engineering Co. is not responsible or liable for any issues, claims, damages, or losses (collectively, "Losses") which arise from failure to follow these Plans, Specifications, and the engineering intent they convey, or for Losses which arise from failure to obtain and/or follow the engineers' or surveyors' guidance with respect to any alleged errors, omissions, inconsistencies, ambiguities, or conflicts contained within the Plans and Specifications.

REVISIONS		





McCLURETM
1360 NW 121st Street, Suite A
Clive, IA 50325
main 515.964.1229

Ankeny, IA | Carroll, IA | Clive, IA
Cedar Rapids, IA | Coralville, IA
Fort Dodge, IA | Sioux City, IA
Macon, MO | Columbia, MO
North Kansas City, MO
Lenexa, KS
Portsmouth, NH

NOTICE:
McClure Engineering Co. is not responsible or liable for any issues, claims, damages, or losses (collectively, "Losses") which arise from failure to follow these Plans, Specifications, and the engineering intent they convey, or for Losses which arise from failure to obtain and/or follow the engineers' or surveyors' guidance with respect to any alleged errors, omissions, inconsistencies, ambiguities, or conflicts contained within the Plans and Specifications.

REVISIONS

1	
2	
3	
4	
5	
6	
7	
8	
9	
10	

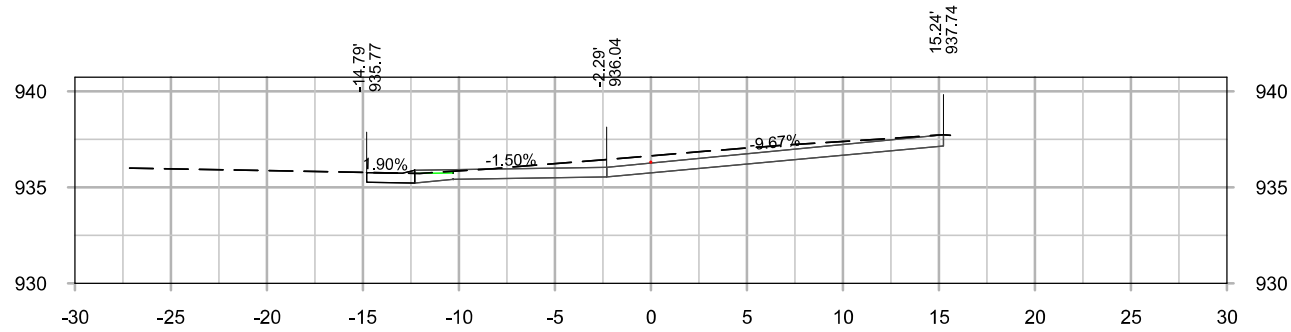
PROJECT INFO
2022000959

ENGINEER	DRAWN BY	CHECKED BY
ATS	KEC	CFF

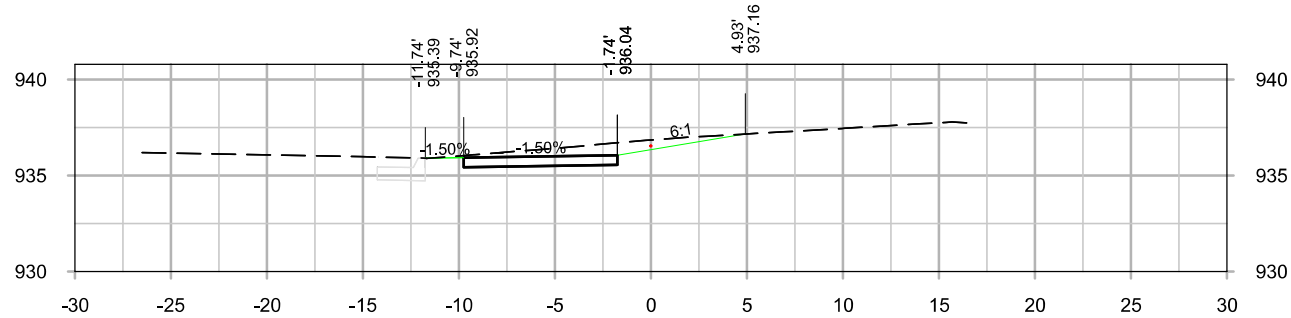
ADEL RECREATION TRAIL CONNECTION
EVANS PARK - RACCOON RIVER VALLEY TRAIL
ADEL, IA
TAP-U-0035(605)--8I-25

TRAIL CROSS SECTIONS

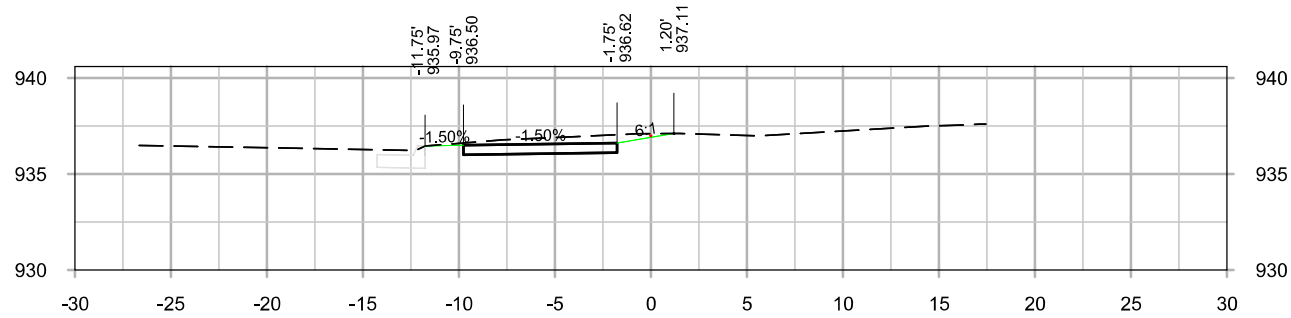
DRAWING NO.
W.03



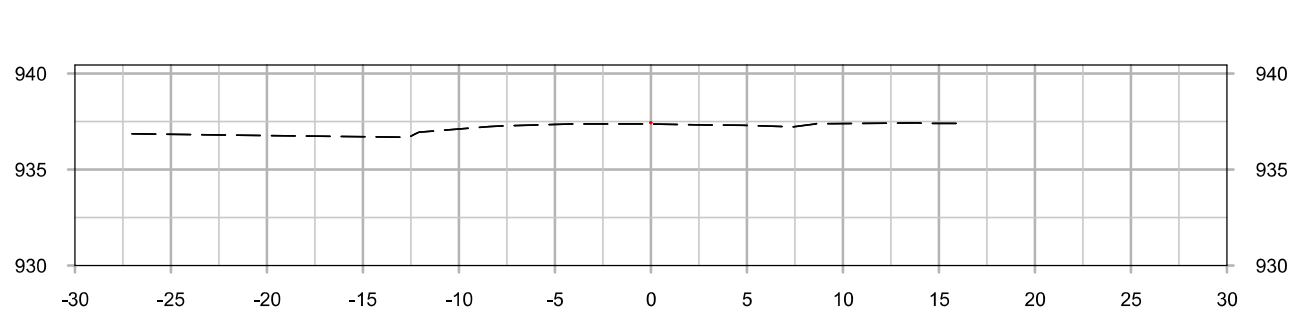
STA. 108+40.46



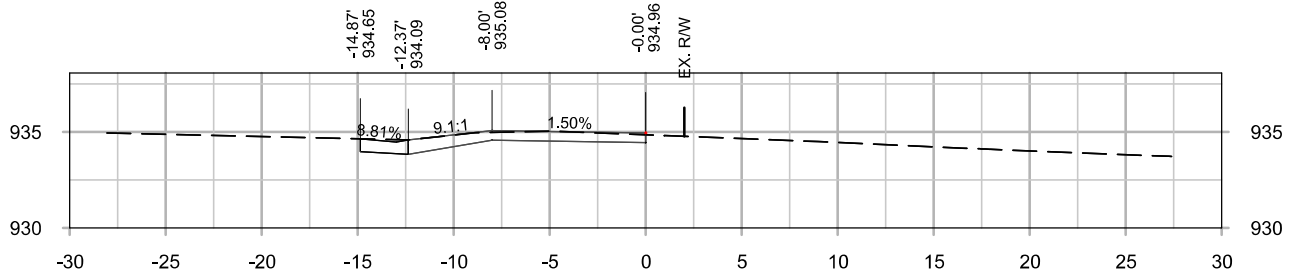
STA. 108+25.00



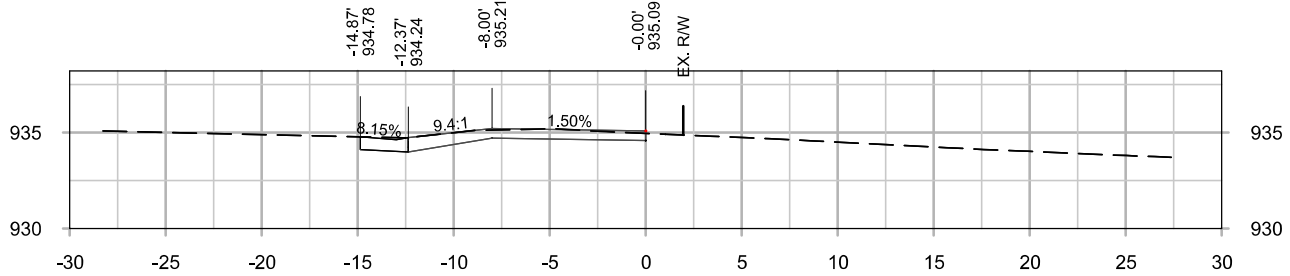
STA. 108+00.00



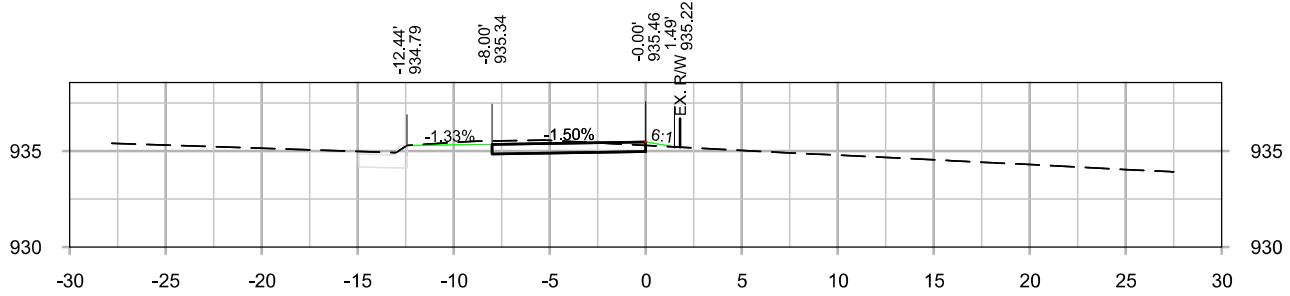
STA. 107+75.00



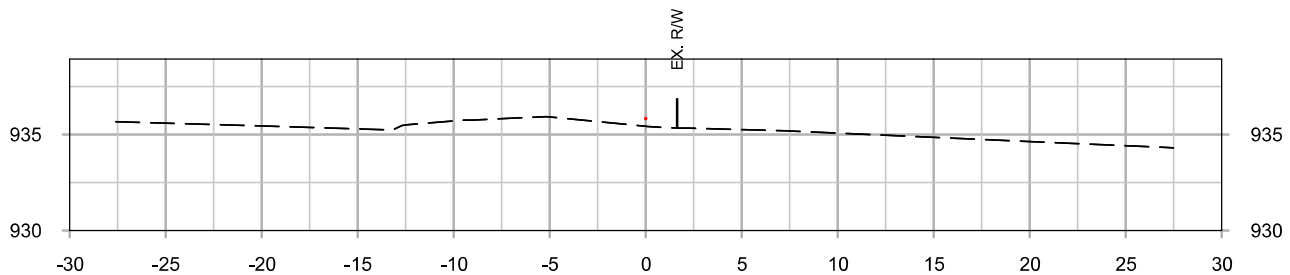
STA. 109+33.20



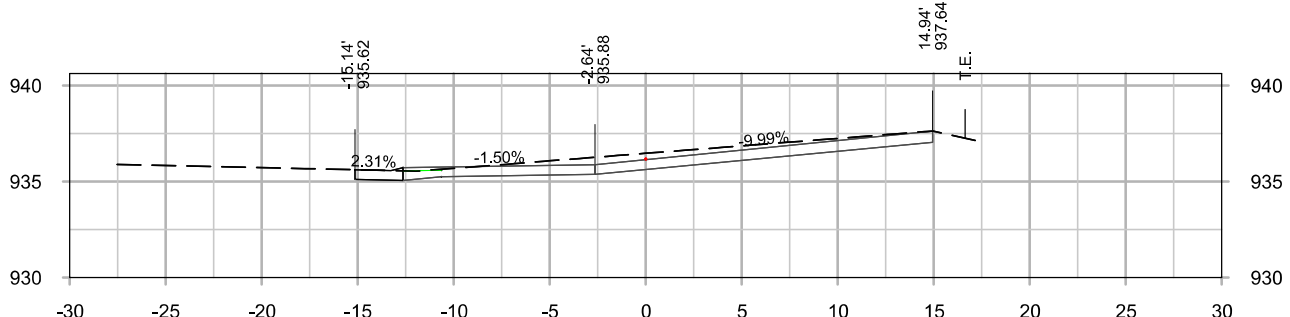
STA. 109+25.00



STA. 109+00.00



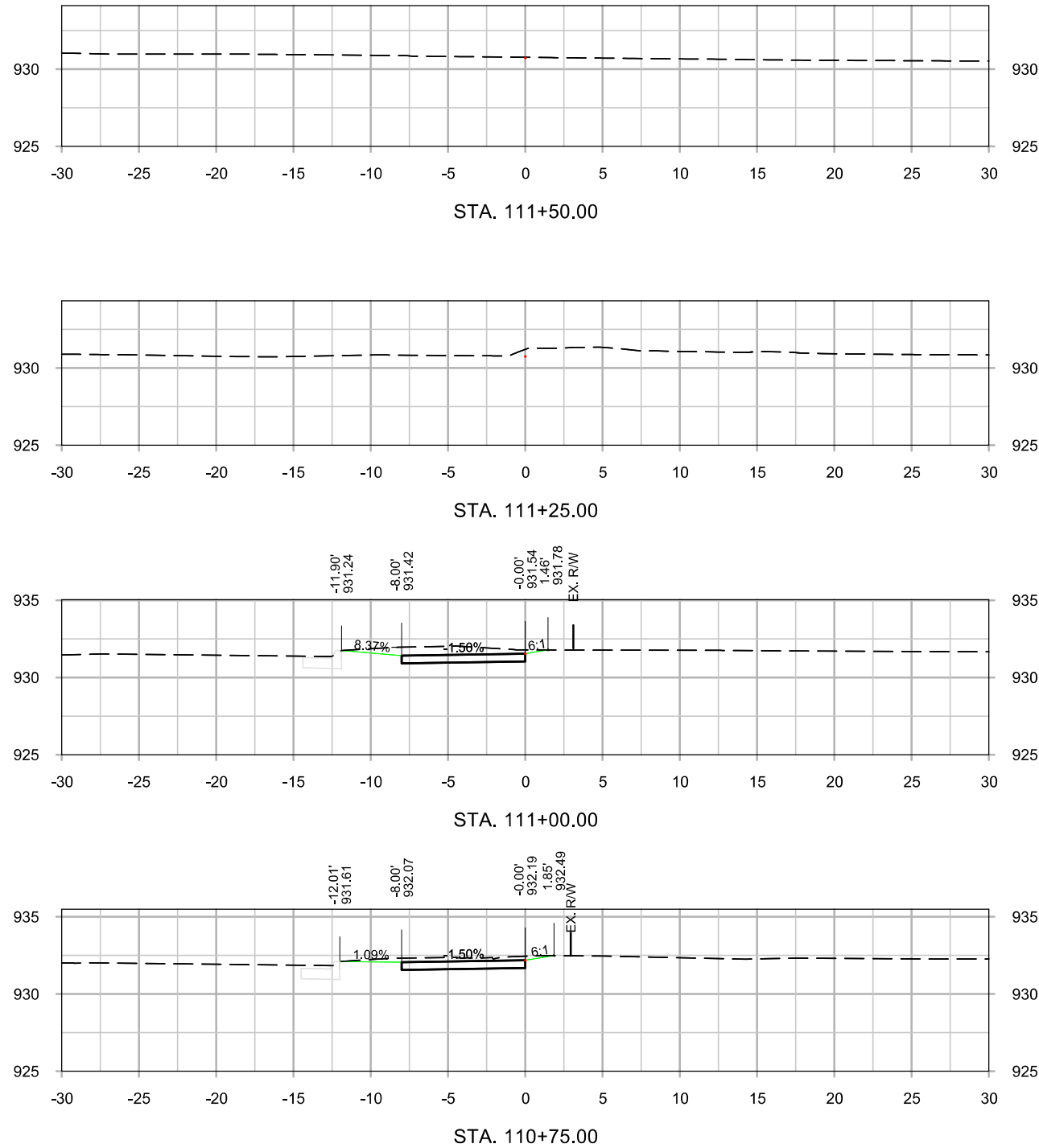
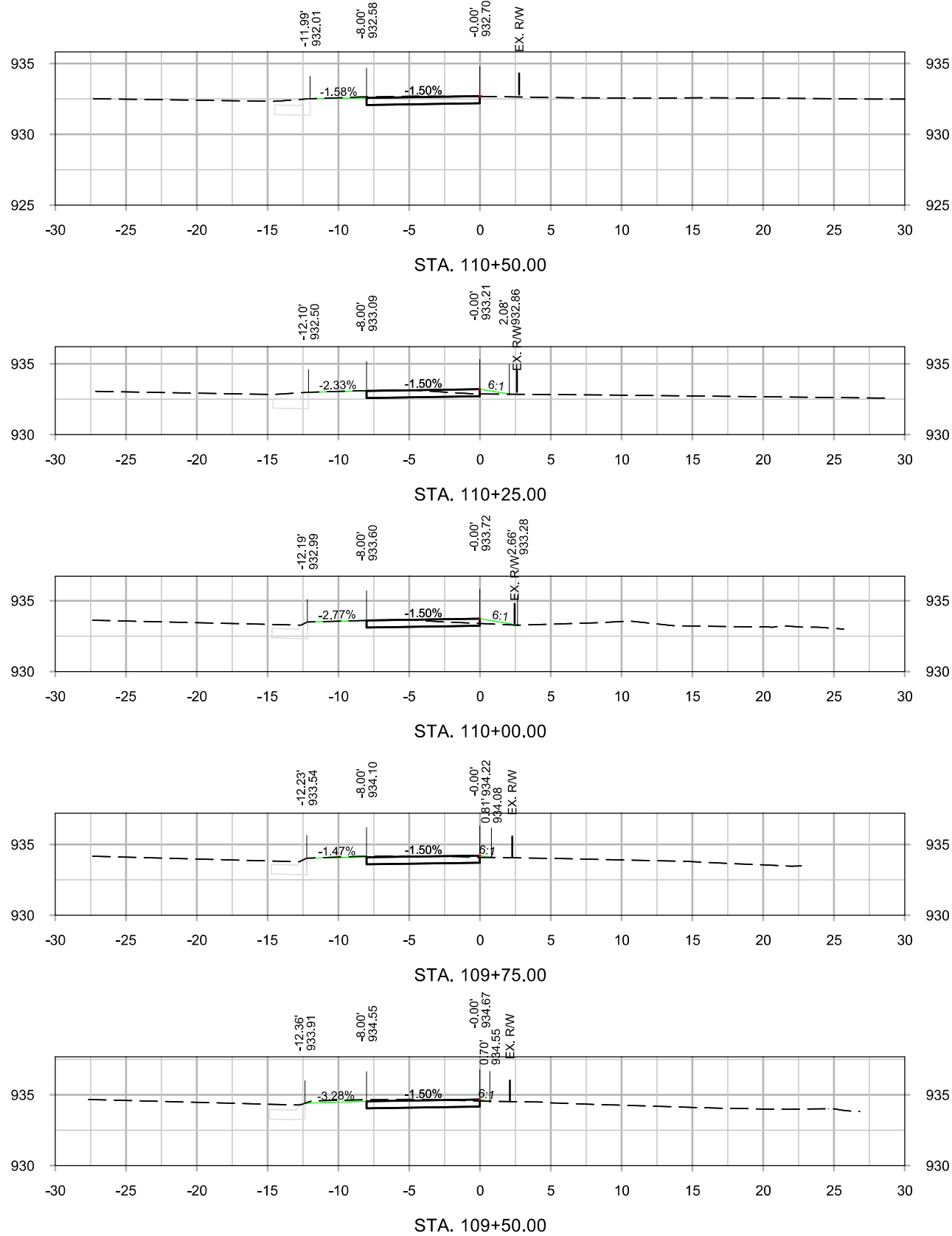
STA. 108+75.00



STA. 108+50.00

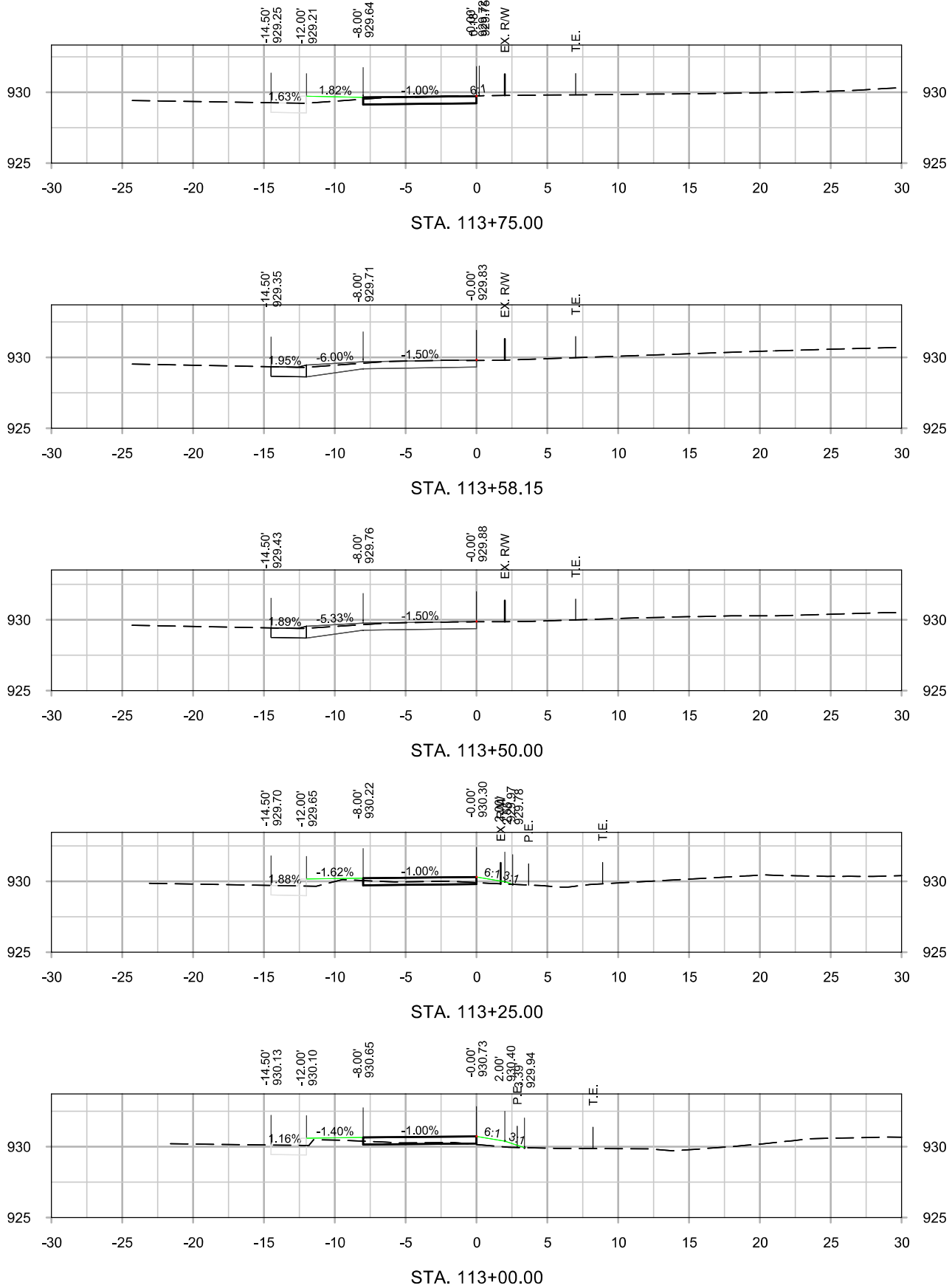
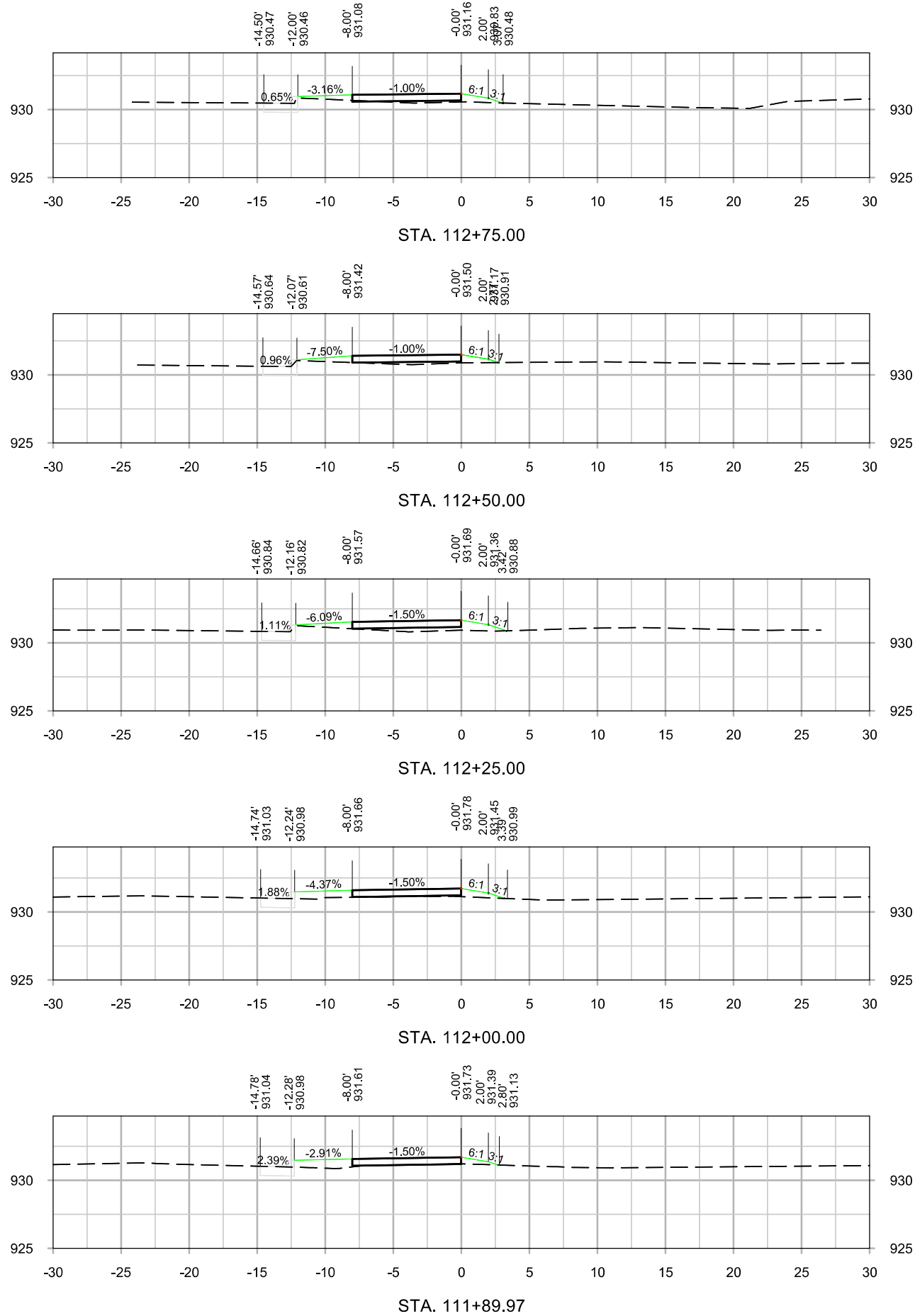
NOTICE:
McClure Engineering Co. is not responsible or liable for any issues, claims, damages, or losses (collectively, "Losses") which arise from failure to follow these Plans, Specifications, and the engineering intent they convey, or for Losses which arise from failure to obtain and/or follow the engineers' or surveyors' guidance with respect to any alleged errors, omissions, inconsistencies, ambiguities, or conflicts contained within the Plans and Specifications.

REVISIONS		
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
PROJECT INFO		
2022000959		
ENGINEER	DRAWN BY	CHECKED BY
ATS	KEC	CFF



NOTICE:
McClure Engineering Co. is not responsible or liable for any issues, claims, damages, or losses (collectively, "Losses") which arise from failure to follow these Plans, Specifications, and the engineering intent they convey, or for Losses which arise from failure to obtain and/or follow the engineers' or surveyors' guidance with respect to any alleged errors, omissions, inconsistencies, ambiguities, or conflicts contained within the Plans and Specifications.

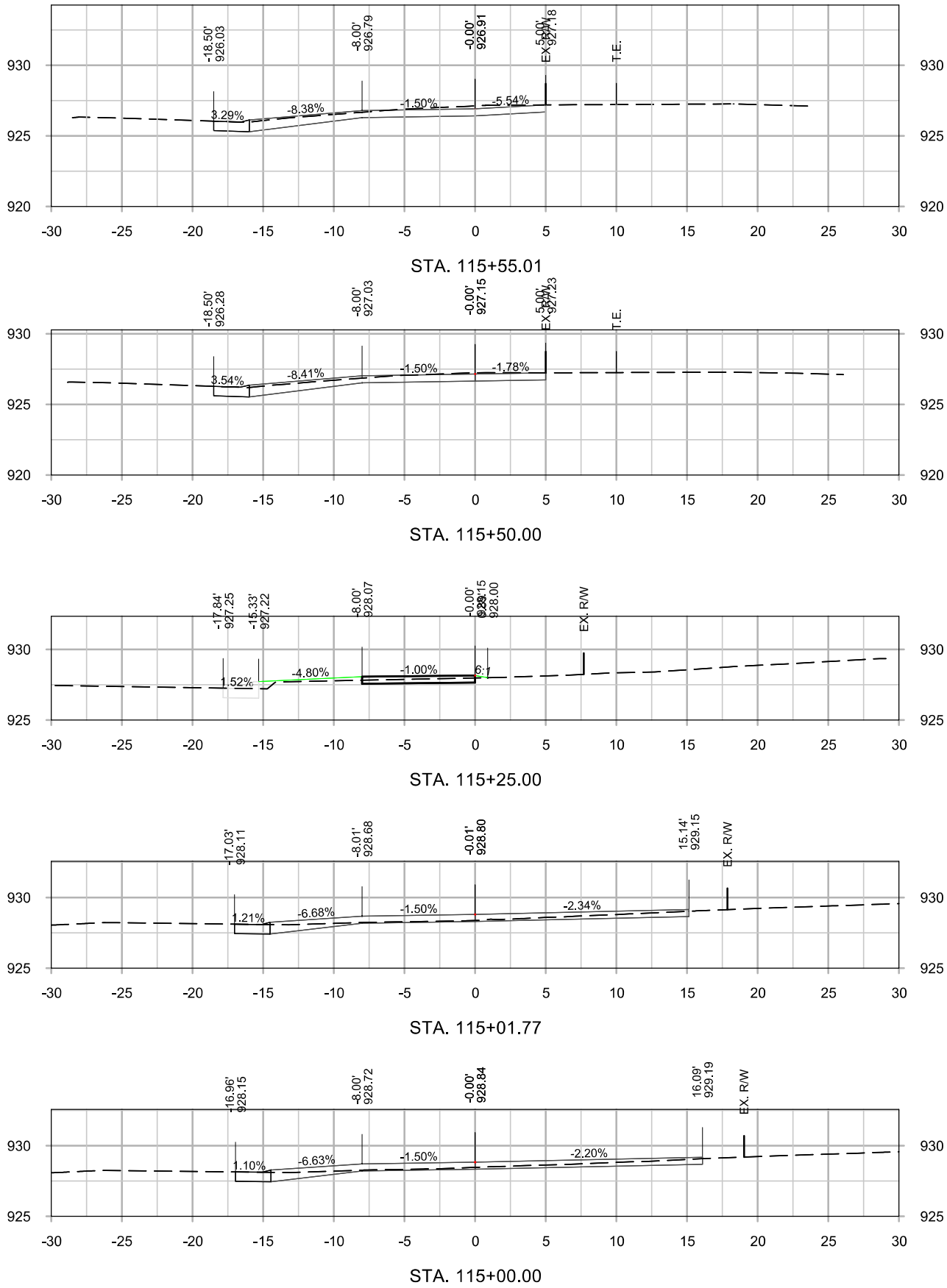
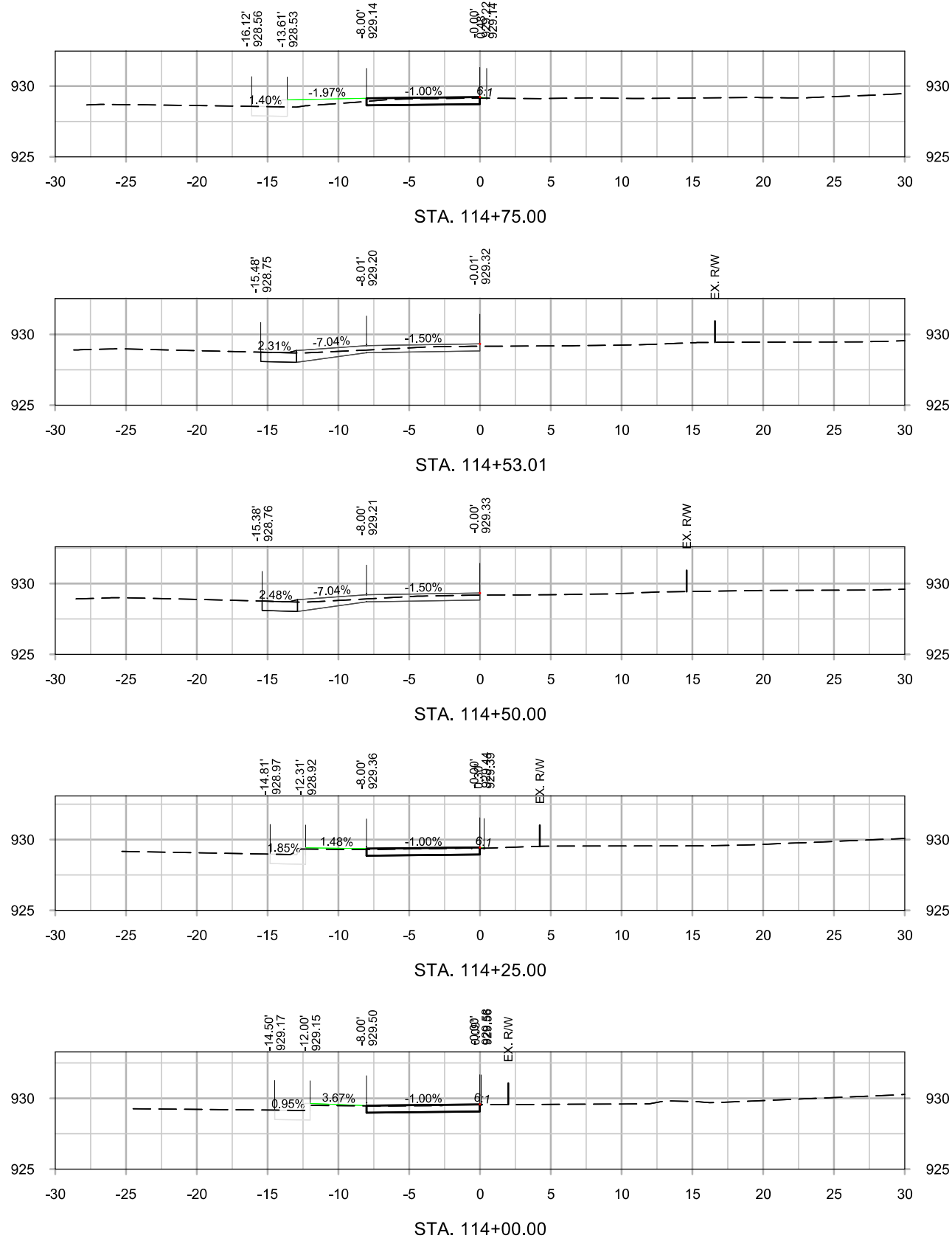
REVISIONS		
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
48		
49		
50		
51		
52		
53		
54		
55		
56		
57		
58		
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		
71		
72		
73		
74		
75		
76		
77		
78		
79		
80		
81		
82		
83		
84		
85		
86		
87		
88		
89		
90		
91		
92		
93		
94		
95		
96		
97		
98		
99		
100		
101		
102		
103		
104		
105		
106		
107		
108		
109		
110		
111		
112		
113		
114		
115		
116		
117		
118		
119		
120		
121		
122		
123		
124		
125		
126		
127		
128		
129		
130		
131		
132		
133		
134		
135		
136		
137		
138		
139		
140		
141		
142		
143		
144		
145		
146		
147		
148		
149		
150		
151		
152		
153		
154		
155		
156		
157		
158		
159		
160		
161		
162		
163		
164		
165		
166		
167		
168		
169		
170		
171		
172		
173		
174		
175		
176		
177		
178		
179		
180		
181		
182		
183		
184		
185		
186		
187		
188		
189		
190		
191		
192		
193		
194		
195		
196		
197		
198		
199		
200		
201		
202		
203		
204		
205		
206		
207		
208		
209		
210		
211		
212		
213		
214		
215		
216		
217		
218		
219		
220		
221		
222		
223		
224		
225		
226		
227		
228		
229		
230		
231		
232		
233		
234		
235		
236		
237		
238		
239		
240		
241		
242		
243		
244		
245		
246		
247		
248		
249		
250		
251		
252		
253		
254		
255		
256		
257		
258		
259		
260		
261		
262		
263		
264		
265		
266		
267		
268		
269		
270		
271		
272		
273		
274		
275		
276		
277		
278		
279		
280		
281		
282		
283		
284		
285		
286		
287		
288		
289		
290		
291		
292		
293		
294		
295		
296		
297		
298		
299		
300		
301		
302		
303		
304		
305		
306		
307		
308		
309		
310		
311		
312		
313		
314		
315		
316		
317		
318		
319		
320		
321		
322		
323		
324		
325		
326		
327		
328		
329		
330		
331		
332		
333		
334		
335		
336		
337		
338		
339		
340		
341		
342		
343		
344		
345		
346		
347		
348		
349		
350		
351		
352		
353		
354		
355		
356		
357		
358		
359		
360		
361		
362		
363		
364		
365		
366		
367		
368		
369		
370		
371		
372		
373		
374		
375		
376		
377		
378		
379		
380		
381		
382		
383		
384		
385		
386		
387		
388		
389		
390		
391		
392		
393		
394		
395		
396		
397		
398		
399		
400		
401		
402		
403		
404		
405		
406		
407		
408		
409		
410		
411		
412		
413		
414		
415		
416		
417		
418		
419		
420		
421		
422		
423		
424		
425		
426		
427		
428		
429		
430		
431		
432		
433		
434		
435		
436		
437		
438		
439		
440		
441		
442		
443		
444		
445		
446		
447		
448		
449		
450		
451		
452		
453		
454		
455		
456		
457		
458		
459		
460		
461		
462		
463		
464		
465		
466		
467		
468		
469		
470		
471		
472		
473		
474		
475		
476		
477		
478		
479		
480		
481		
482		
483		
484		
485		
486		
487		
488		
489		
490		
491		
492		
493		
494		
495		
496		
497		
498		
499		
500		
501		
502		
503		
504		
505		
506		
507		
508		
509		
510		
511		
512		
513		
514		
515		
516		
517		
518		
519		
520		
521		
522		
523		
524		
525		
526		
527		
528		
529		
530		
531		
532		
533		
534		
535		
536		
537		
538		
539		
540		
541		
542		
543		
544		
545		
546		




NOTICE:
McClure Engineering Co. is not responsible or liable for any issues, claims, damages, or losses (collectively, "Losses") which arise from failure to follow these Plans, Specifications, and the engineering intent they convey, or for Losses which arise from failure to obtain and/or follow the engineers' or surveyors' guidance with respect to any alleged errors, omissions, inconsistencies, ambiguities, or conflicts contained within the Plans and Specifications.

REVISIONS		
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
PROJECT INFO		
2022000959		
ENGINEER	DRAWN BY	CHECKED BY
ATS	KEC	CFF

ADEL RECREATION TRAIL CONNECTION
EVANS PARK - RACCOON RIVER VALLEY TRAIL
ADEL, IA
TAP-U-0035(605)--8I-25





McCLURETM
1360 NW 121st Street, Suite A
Clive, IA 50325
main 515.964.1229

Ankeny, IA | Carroll, IA | Clive, IA
Cedar Rapids, IA | Coralville, IA
Fort Dodge, IA | Sioux City, IA
Macon, MO | Columbia, MO
North Kansas City, MO
Lenexa, KS
Portsmouth, NH

NOTICE:
McClure Engineering Co. is not responsible or liable for any issues, claims, damages, or losses (collectively, "Losses") which arise from failure to follow these Plans, Specifications, and the engineering intent they convey, or for Losses which arise from failure to obtain and/or follow the engineers' or surveyors' guidance with respect to any alleged errors, omissions, inconsistencies, ambiguities, or conflicts contained within the Plans and Specifications.

REVISIONS

1	
2	
3	
4	
5	
6	
7	
8	
9	
10	

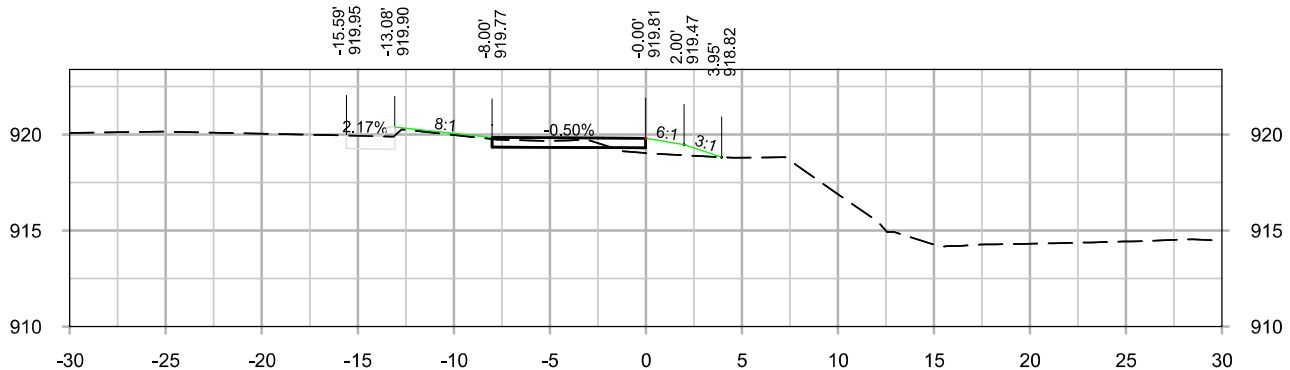
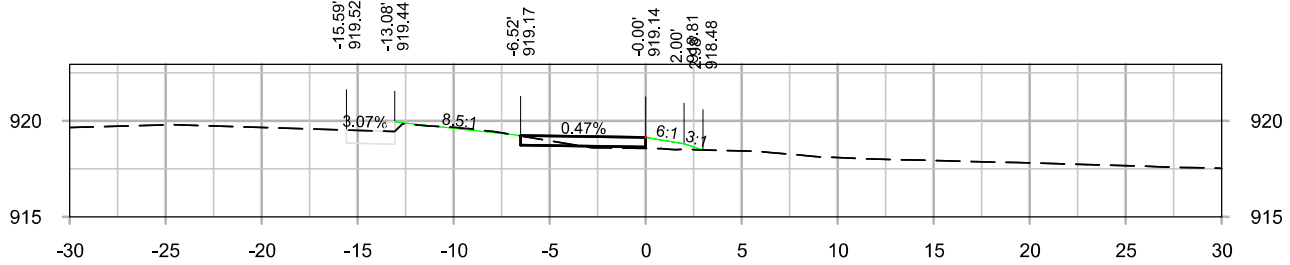
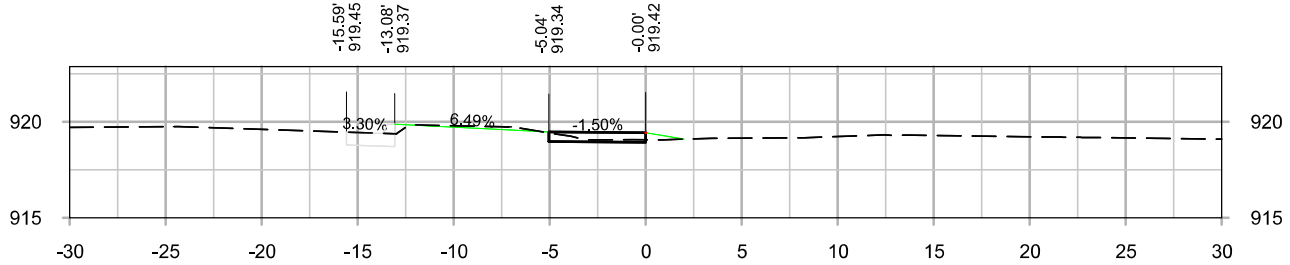
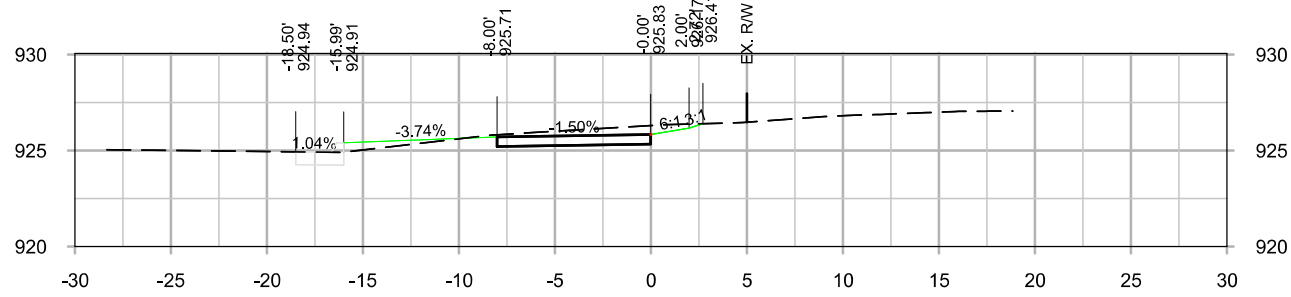
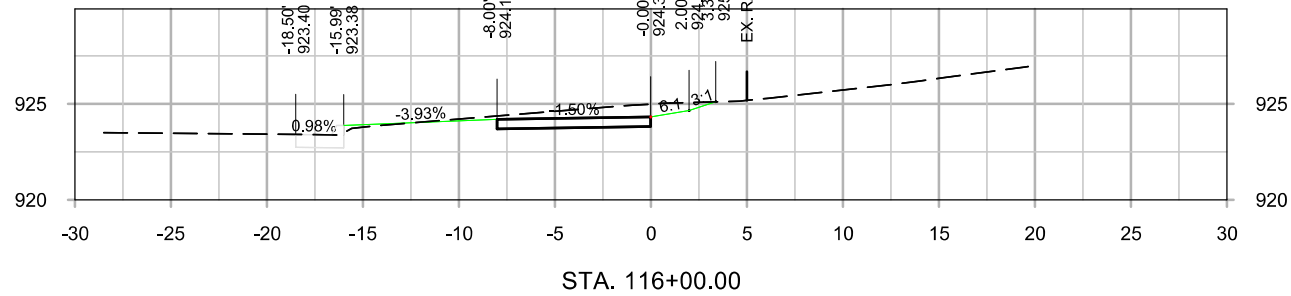
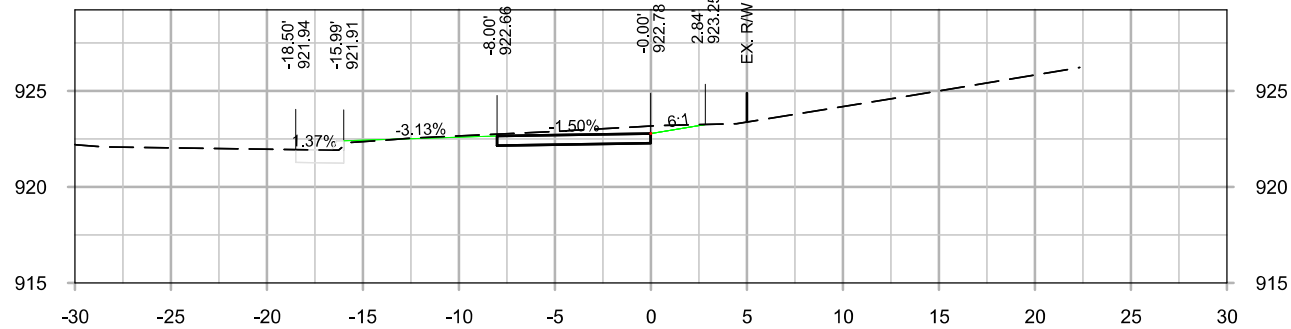
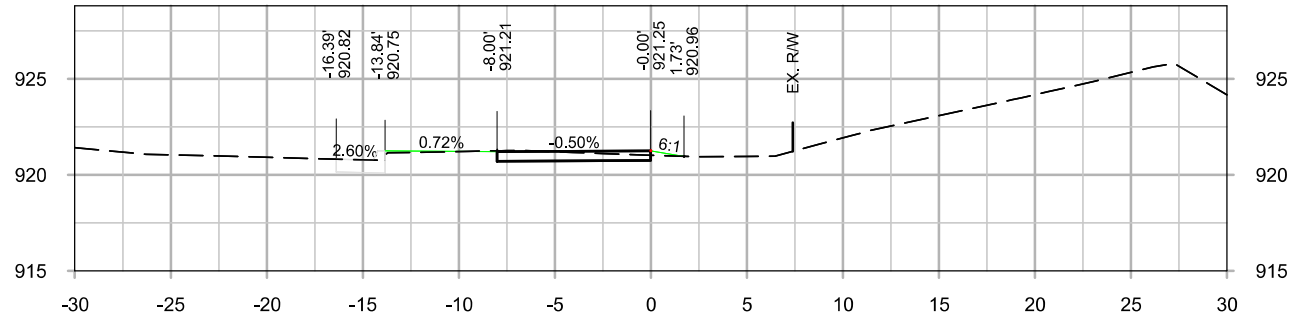
PROJECT INFO
2022000959

ENGINEER	DRAWN BY	CHECKED BY
ATS	KEC	CFF

ADEL RECREATION TRAIL CONNECTION
EVANS PARK - RACCOON RIVER VALLEY TRAIL
ADEL, IA
TAP-U-0035(605)--8I-25

TRAIL CROSS SECTIONS - WITH CURB

DRAWING NO.
W.07



NOTICE:
McClure Engineering Co. is not responsible or liable for any issues, claims, damages, or losses (collectively, "Losses") which arise from failure to follow these Plans, Specifications, and the engineering intent they convey, or for Losses which arise from failure to obtain and/or follow the engineers' or surveyors' guidance with respect to any alleged errors, omissions, inconsistencies, ambiguities, or conflicts contained within the Plans and Specifications.

REVISIONS		
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
PROJECT INFO		
2022000959		
ENGINEER	DRAWN BY	CHECKED BY
ATS	KEC	CFF

ADEL RECREATION TRAIL CONNECTION
EVANS PARK - RACCOON RIVER VALLEY TRAIL
ADEL, IA
TAP-U-0035(605)--8I-25
TRAIL CROSS SECTIONS - WITH CURB