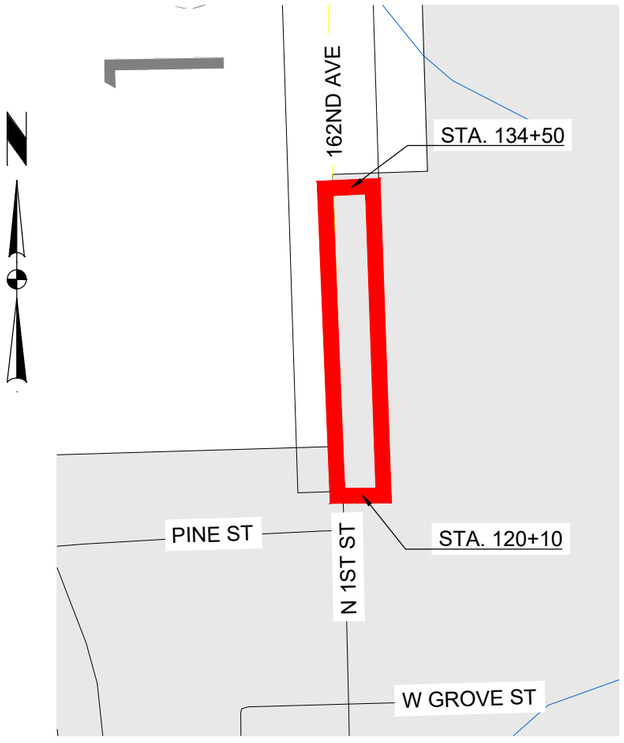
LETTING DATE
12-15-2026

PCC SIDEWALK/TRAIL
TAP-R-4497(603)--8T-82
SCOTT COUNTY

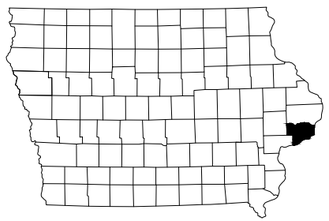
IOWA ONE CALL
1-800-292-8989 | 811

NPDES NO.2

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



VICINITY MAP
NOT TO SCALE



IOWA DOT

Transportation Development Division

PLANS OF PROPOSED IMPROVEMENTS ON THE

URBAN ROAD SYSTEM

CITY OF LONG GROVE

1ST STREET PCC TRAIL

PINE ST TO CITY LIMITS

SCALES: As Noted

Refer to the Proposal Form for list of applicable specifications.

Value Engineering Saves. Refer to Article 1105.15 of the Specifications

MILEAGE SUMMARY — 105-1 — 09-27-94

Div.	Location	Lin. Ft.	Miles
1	STATION 120+10 TO STATION 134+50	1,440	0.27
	TOTAL LENGTH OF PROJECT	1,440	0.27

FINAL PLANS

04-30-02 — 101-5

DESIGN DATA URBAN

2009 AADT	_____	V.P.D.
2002 AADT	_____	V.P.D.
2006 DHV	_____	V.P.H.
TRUCKS	_____	%
Total Design ESALs	---	

CITY ADMINISTRATION

MAYOR	MICHAEL LIMBERG
COUNCIL MEMBERS	RYAN CHRISTENSEN
	AMY SHANNON
	CHAD ULRICH
	MICHAEL BODDICKER
	NANCY HERRIN
CITY CLERK	LUCAS SYOEN
PUBLIC WORKS	NATE LOUSSAERT

REVISIONS

61 SHEETS

PROJECT IDENTIFICATION NUMBER

PROJECT NUMBER
TAP-R-4497(603)--8T-82

R.O.W. PROJECT NUMBER

INDEX OF SHEETS — 105-3 — 10-18-05

No.	Description
A.01	Title Sheet
A.02	Legend and Utilities Contacts
A.03	General Notes
B.01	Typical Cross Sections
C.01	Estimated Quantities
C.02	Estimated Reference Information
C.03 – C.04	Tabulations
CD.01–CD.03	Demolition Plan
D.01 – D.06	Trail Plan and Profile
G.01 – G.05	Survey Control
H.01 – H.03	Trail Right-of-Way
J.01 – J.05	Detour Plan
J.06 – J.08	Traffic Control Plan
M.01 – M.05	Trail Storm Plan and Profile
M.06	Trail Storm Details
RC.01	Pollution Prevention Plan
RC.02	Erosion Control Tabulations
RR.01–RR.06	Erosion Control Plan
RU.01	Erosion Control Details
T.01	Tabulation of Earthwork
W.01 – W.12	Trail Cross Sections

CITY OF LONG GROVE

Approved

9/15/2026

City Clerk — Date

LICENSED PROFESSIONAL ENGINEER
KRISTINA ROBINSON
27122
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.

9/15/2026

Signature — Date

KRISTINA ROBINSON

Printed or Typed Name

My license renewal date is December 31, 2026

Pages or sheets covered by this seal: ALL

ENGLISH	IOWA DOT	DESIGN TEAM	VEENSTRA & KIMM, INC.	SCOTT	COUNTY	PROJECT NUMBER	TAP-R-4497(603)--8T-82	SHEET NUMBER	A.01	REVISED

PLOTTED: Tuesday, September 15, 2026 4:14:56 PM FILE PATH: \\ROCIL-NASNIP01.KLEINFELDER.COM\RISHARE\0500\0577-LONG_GROVE\0577-0028_1ST_ST_MULTI-USE_PATH_PHASE2_DESIGN_AND_PLANNING\CADD_PRODDRAWINGS\TITLE SHEET & DETAILS

GENERAL LEGEND

	SURVEY LINE & STATION INDICATOR	12"CMP	CULVERT; SIZE AND TYPE
	CONCRETE SURFACE	OR	FLARED END SECTION
	ASPHALT SURFACE		RAILROAD
	CONCRETE W/ASPHALT OVERLAY		MAILBOX
	LOW GRADE ASPHALT SURFACE		FENCE (MISC.)
	GRANULAR SURFACE		SECURITY FENCE
	DIRT SURFACE		WOOD FENCE
	BRICK SURFACE	SF	SILT FENCE
	SURFACING REMOVAL/REPLACEMENT		CHAIN LINK FENCE
	EARTH SECTION		PROPERTY LINE
	NEW SEWER/MANHOLE		PROPERTY PIN
	NEW SEWER/INTAKE		SECTION CORNER
	NEW WATER MAIN		PLAT BOUNDARY
	NEW FORCE MAIN		BUILDING
	NEW HYDRANT	855.55	ELEVATION MARKER
	NEW WATER VALVE		CENTERLINE
8"S	EXISTING SANITARY SEWER AND SIZE	DIA.	DIAMETER
18"ST	EXISTING STORM SEWER AND SIZE	ELEV.	ELEVATION
8"W	EXISTING WATER MAIN AND SIZE	PVC	POLYVINYLCHLORIDE PIPE
6"FM	EXISTING FORCE MAIN AND SIZE	CI	CAST IRON PIPE
4"G	GAS MAIN AND SIZE	DI	DUCTILE IRON PIPE
UE	UNDERGROUND POWER LINE	CMP	CORRUGATED METAL PIPE
OHE	OVERHEAD POWER LINE	VCP	VITRIFIED CLAY PIPE
T	UNDERGROUND TELEPHONE LINE	RCP	REINFORCED CONCRETE PIPE
CTV	CABLE TELEVISION LINE	RCAP	REINFORCED CONCRETE ARCH PIPE
FO	FIBER OPTICS	LRCP	LINED REINFORCED CONCRETE PIPE
	TOP OF EMBANKMENT	LCPP	LINED CONCRETE PRESSURE PIPE
	TOE OF EMBANKMENT	STA.	STATION
	DRAINAGE COURSE	LA	LINE AHEAD
	SANITARY MANHOLE	LB	LINE BACK
	STORM WATER MANHOLE	BM-2	BENCH MARK AND NUMBER
	ELECTRIC MANHOLE	ROW	RIGHT-OF-WAY
	TELEPHONE MANHOLE	PI	POINT OF INTERSECTION
	WATER MANHOLE	POT	POINT ON TANGENT
OR	CURB INTAKE	LF	LINEAR FEET
OR	AREA OR BEEHIVE INTAKE	TH	TACKED HUB
	EXISTING HYDRANT	* SB-2	SOIL BORING AND NUMBER
	EXISTING WATER VALVE	PVC	POINT OF VERTICAL CURVATURE
	GAS VALVE	PVT	POINT OF VERTICAL TANGENCY
	UTILITY POLE	VC	VERTICAL CURVE
	GUY ANCHOR	PC	POINT OF CURVATURE
	STREET LIGHT	PT	POINT OF TANGENCY
	SIGN	MO	MIDDLE ORDINATE
	TELEPHONE CABLE JUNCTION BOX	DWG.	DRAWING
	TRAFFIC SIGNALS	CP-1	CONTROL POINT AND NUMBER
	PEDESTRIAN CONTROL LIGHT	(TYP.)	TYPICAL
	RAILROAD CONTROL LIGHT	HPG	HIGH PRESSURE GAS
	RAILROAD SIGN	IPG	INTERMEDIATE PRESSURE GAS
	UTILITY ACCESS COVER	INV.	INVERT
	PARKING METER	E.W.,E.F.	EACH WAY, EACH FACE
	TREE	E.W.	EACH WAY
	EVERGREEN	@	AT
	STUMP	3	DRAWING NUMBER
OR	BUSH, SHRUB OR HEDGE		

NOTE: THIS IS A GENERAL LEGEND. ITEMS MAY OR MAY NOT APPEAR ON DRAWINGS.

UTILITY CONTACTS

Utility	Contact Name	Contact Phone	Contact E-mail
Alliant Energy	Cathy Woodward	(563) 659-8929	cathywoodward@alliantenergy.com
Central Scott Telephone	Tony Dahms	(563) 345-8788	tony.dahms@cstech.com
City of Long Grove	Tony Saladino	(563) 940-4850	CityofLG@netins.net
ITC	Rich Estel	(319) 297-6802	Restel@Itctransco.com
MidAmerican Gas	Matt Kovacic	(309) 793-3704	matthew.kovacic@midamerican.com
MediaCom	Joseph Williamson	(845) 637-9994	jwiliamson@mediacomcc.com

LEGEND AND AND UTILITY CONTACTS

GENERAL NOTES

1. ALL IMPROVEMENTS SHOWN ON THESE ENGINEERING PLANS SHALL COMPLY WITH THE STATEWIDE URBAN DESIGN STANDARDS, LATEST EDITION, IOWA DOT STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION, LATEST EDITION, AND THE STANDARDS OF THE IOWA DEPARTMENT OF NATURAL RESOURCES, LATEST EDITION.

2. UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS, RECORDS, AND FIELD INVESTIGATION. THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. IT IS POSSIBLE THERE MAY BE OTHERS, THE EXISTENCE OF WHICH PRESENTLY NOT KNOWN OR SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THEIR EXISTENCE AND EXACT LOCATION AND TO AVOID DAMAGE THERETO.

3. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT ALL EXISTING UTILITIES AND PAVED STREETS, INCLUDING ANY NOT SHOWN ON THESE DRAWINGS. THE CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER IF ANY CONFLICTS WITH THE DRAWINGS OCCUR. ANY DAMAGE TO EXISTING UTILITIES AND/OR PAVED STREETS CAUSED BY TRENCHING AND GRADING OPERATIONS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

5. ALL DEBRIS RESULTING FROM CONSTRUCTION OPERATIONS SHALL BE PROPERLY DISPOSED OF OFF-SITE.

6. THE CONTRACTOR SHALL EXERCISE PROPER CAUTION TO PROTECT THE EXISTING IMPROVEMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE.

7. ALL HOLES RESULTING FROM OPERATIONS OF THE CONTRACTOR, INCLUDING REMOVAL OF GUARDRAIL POSTS, FENCE POSTS, UTILITY POLES, OR FOUNDATION STUDIES, SHALL BE FILLED AND CONSOLIDATED TO FINISHED GRADE AS DIRECTED BY THE ENGINEER TO PREVENT FUTURE SETTLEMENT. THE VOIDS SHALL BE FILLED AS SOON AS PRACTICAL - PREFERABLY THE DAY CREATED AND NOT LATER THAN THE FOLLOWING DAY. ANY PORTION OF THE RIGHT-OF-WAY OR PROJECT LIMITS (INCLUDING BORROW AREAS AND OPERATION SITES) DISTURBED BY ANY SUCH OPERATIONS SHALL BE RESTORED TO AN ACCEPTABLE CONDITION. THIS OPERATION SHALL BE CONSIDERED INCIDENTAL TO OTHER BID ITEMS IN PROJECT.

8. IT SHALL BE CONTRACTOR'S RESPONSIBILITY TO PROVIDE WASTE AREAS OR DISPOSAL SITES FOR EXCESS MATERIAL (EXCAVATED MATERIAL OR BROKEN CONCRETE) WHICH IS NOT DESIRABLE TO BE INCORPORATED INTO THE WORK INVOLVED ON THIS PROJECT.

9. THE CONTRACTOR SHALL APPLY NECESSARY MOISTURE TO THE CONSTRUCTION AREA AND HAUL ROADS TO PREVENT THE SPREAD OF DUST.

10. THE ROADBED SHALL BE TRIMMED TO WITHIN 0.05 FOOT OF THE FINAL SUBGRADE ELEVATION. TRIMMED MATERIAL SHALL BE PLACED IN A WINDROW ON EITHER FORESLOPE FOR USE IN EARTH SHOULDER FILL AFTER PAVING. NO PONDING OF WATER SHALL BE ALLOWED BY STORED MATERIALS. TRIMMING OF MATERIAL SHALL BE INCLUDED IN EXCAVATION REQUIRED FOR EARTH SHOULDER CONSTRUCTION. GRANULAR SURFACING MATERIAL, IF PLACED OVER THE WINTER, IS INCLUDED IN THE TRIMMED VOLUME.

11. ESTIMATED QUANTITY FOR NEW CONCRETE PAVEMENT INCLUDES ALL INTEGRAL CURB, ALL STREET RETURNS AND SPECIAL AREAS OF REPAIRS TO CONNECTING PAVEMENTS.

12. IN ORDER TO AVOID ANY UNNECESSARY SURFACE BREAKS OR PREMATURE SPALLING, THE CONTRACTOR IS CAUTIONED TO EXERCISE EXTREME CARE WHEN PERFORMING ANY OF THE NECESSARY SAW CUTTING OPERATIONS FOR THE PROPOSED PAVEMENT REMOVAL.

13. 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.

14. TO OBTAIN CORRECT FORM GRADES AT LOW POINTS WHERE INTAKES ARE LOCATED, THE CONTRACTOR MUST EXERCISE EXTREME CARE WHEN PAVING FULL WIDTH PAVEMENTS. THIS MAY REQUIRE POURING ONE HALF OF THE PAVEMENT AT A TIME OR OTHER METHODS APPROVED BY THE ENGINEER.

15. THE CONTRACTOR SHALL NOT DISTURB DESIRABLE GRASS AREAS AND DESIRABLE TREES OUTSIDE THE CONSTRUCTION LIMITS. THE CONTRACTOR WILL NOT BE PERMITTED TO PARK OR SERVICE VEHICLES AND EQUIPMENT OR USE THESE AREAS FOR STORAGE OF MATERIALS. STORAGE, PARKING, AND SERVICE AREA(S) WILL BE SUBJECT TO THE APPROVAL OF THE RESIDENT ENGINEER.

16. THE TOP SIX (6) INCHES OF THE DISTURBED AREAS SHALL BE FREE OF ROCK AND DEBRIS AND SHALL BE SUITABLE FOR THE ESTABLISHMENT OF VEGETATION, SUBJECT TO THE APPROVAL OF THE ENGINEER.

17. THE CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN ACCESS TO INDIVIDUAL PROPERTIES DURING CONSTRUCTION.

18. WHERE PUBLIC UTILITY FIXTURES ARE SHOWN AS EXISTING ON THE PLANS OR ENCOUNTERED WITHIN THE CONSTRUCTION AREA, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE OWNER OF THOSE UTILITIES PRIOR TO THE BEGINNING OF ANY CONSTRUCTION. THE CONTRACTOR SHALL AFFORD ACCESS TO THESE FACILITIES FOR THE NECESSARY MODIFICATION OF SERVICES.

19. CONTRACTOR SHALL CONTAIN ALL MATERIALS AND WORK WITHIN RIGHT-OF-WAY AND EASEMENTS IN ACCORDANCE WITH THE SPECIFICATIONS.

20. THE CONTRACTOR SHALL ALL BE RESPONSIBLE FOR ASCERTAINING THE EXACT LOCATIONS OF ALL UTILITIES AND HOUSE SERVICES FROM THE UTILITY COMPANIES AND CITY BEFORE STARTING CONSTRUCTION AND COORDINATING ALL CONSTRUCTION ACTIVITIES WITH THE UTILITY COMPANIES AND CITY. **NO ADDITIONAL COMPENSATION SHALL BE ALLOWED FOR ANY DELAYS OR INCONVENIENCES CAUSED THE CONTRACTOR DUE TO SAID UTILITY WORK**. UTILITIES SHOWN WITHIN THE RIGHT OF WAYS WHICH REQUIRE ADJUSTING, MOVING OR RECONSTRUCTING SHALL BE PERFORMED BY THE RESPECTIVE UTILITY COMPANIES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE SUCH WORK. NO ADDITIONAL COMPENSATION OR CHANGE IN CONTRACT TIME WILL BE ALLOWED FOR ANY DELAYS COSTS OR INCONVENIENCES CAUSED THE CONTRACTOR DUE TO SAID UTILITY WORK.

21. ALL ELEVATIONS ARE TO NAVD88 DATUM.

22. CONFIRM LOCATION AND DEPTH OF ALL EXISTING UNDERGROUND UTILITIES AS REQUIRED TO ELIMINATE CONFLICTS PRIOR TO CONSTRUCTION. ALLOW UTILITY PERSONNEL TO RELOCATE UTILITIES WHERE CONFLICTS OCCUR.

23. DO NOT INTERRUPT EXISTING UTILITIES OR INDIVIDUAL SERVICES UNLESS DIRECTED BY ENGINEER.

24. LOCATIONS OF CONSTRUCTION LIMIT LINES SHOWN ON PLANS ARE APPROXIMATE. ENGINEER WILL LOCATE CONSTRUCTION LIMITS IN FIELD. CONFINE ALL CONSTRUCTION OPERATIONS, INCLUDING ACCESS TO WORK, TO CONSTRUCTION LIMITS.

25. STATIONING IS ALONG WEST EDGE OF TRAIL, UNLESS OTHERWISE NOTED.

26. PROTECT UTILITY POLES, LINES AND APPURTENANCES NOT SHOWN FOR RELOCATION.

27. RESET ALL PROPERTY PINS DISTURBED BY CONSTRUCTION; PINS MUST BE RESET BY REGISTERED LAND SURVEYOR. PAID FOR UNDER "CONSTRUCTION SURVEY, MONUMENT PRESERVATION."

GRADING NOTES

1. ALL ELEVATIONS SHOWN ARE TO FLOWLINE FINISHED GRADE OR TOP OF PAVEMENT UNLESS OTHERWISE STATED.

2. PROVIDE POSITIVE DRAINAGE AT ALL TIMES WITHIN THE CONSTRUCTION AREAS. DO NOT ALLOW WATER TO DRAIN TO POND ON PROPERTY OR RIGHT-OF-WAY.

3. PRIOR TO PLACEMENT OF ANY FILL, THE STRIPPED SITE SHALL BE SCARIFIED TO A DEPTH OF 9 INCHES AND RE-COMPACTED TO DENSITIES SPECIFIED BELOW. ANY UNSUITABLE SOILS FOUND AT THIS TIME SHALL BE DRIED AND RECOMPACTED OR REMOVED IF REQUIRED COMPACTION CANNOT BE OBTAINED.

4. ALL FILL MATERIAL SHALL CONSIST OF APPROVED, SUITABLE SOILS PLACED IN LOOSE LIFTS OF 9 INCHES OR LESS AND COMPACTED TO AT LEAST 90% OF THE MATERIAL'S MODIFIED STANDARD PROCTOR DRY DENSITY (ASTM D-1557). THE COMPACTION WILL BE FIELD TESTED BY A THIRD PARTY SOILS ENGINEERING CONSULTANT.

6. CONTRACTOR SHALL ADHERE TO THE STATE OF IOWA CONSTRUCTION SITE EROSION CONTROL MANUAL.

EROSION CONTROL NOTES

1. EROSION CONTROL SHALL BE INSTALLED PRIOR TO ANY GRADING OPERATIONS WHERE POSSIBLE.

2. CONSTRUCTION ENTRANCE SHALL BE MAINTAINED TO PREVENT OFF-SITE TRACKING OF SEDIMENT ONTO PUBLIC ROADWAYS. ANY SEDIMENT DEPOSITED ON PUBLIC ROADS SHALL BE REMOVED BY SHOVELING OR STREET CLEANING BEFORE THE END OF EACH WORKING DAY.

3. SHOWN LOCATION OF SILTATION CONTROL IS APPROXIMATE. ACTUAL LOCATIONS TO BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION.

4. WATER PUMPED DURING CONSTRUCTION OPERATIONS SHALL BE FILTERED.

5. PROJECT WILL BE COVERED BY AN NPDES GENERAL PERMIT #2 REGULATING RUNOFF FROM CONSTRUCTION SITES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PERFORM THE REQUIRED MONITORING,INSPECTION AND MAINTENANCE AS REQUIRED BY THE PERMIT.

6. ONCE CONSTRUCTION HAS BEEN COMPLETED, OR TEMPORARILY SUSPENDED FOR LONGER THAN 21 DAYS (SUCH AS WINTER SHUTDOWN), THE CONTRACTOR SHALL SEED ALL AREAS DISTURBED WITHIN 14 DAYS OF THE LAST DISTURBANCE. EROSION CONTROL DEVICES SHALL REMAIN IN PLACE AND BE MAINTAINED UNTIL THE CONTRACTOR ESTABLISHES A GOOD STAND OF GRASS OF UNIFORM COLOR AND DENSITY TO THE SATISFACTION OF THE ENGINEER.

7. CONTRACTOR SHALL ADHERE TO THE IOWA CONSTRUCTION SITE EROSION CONTROL MANUAL.

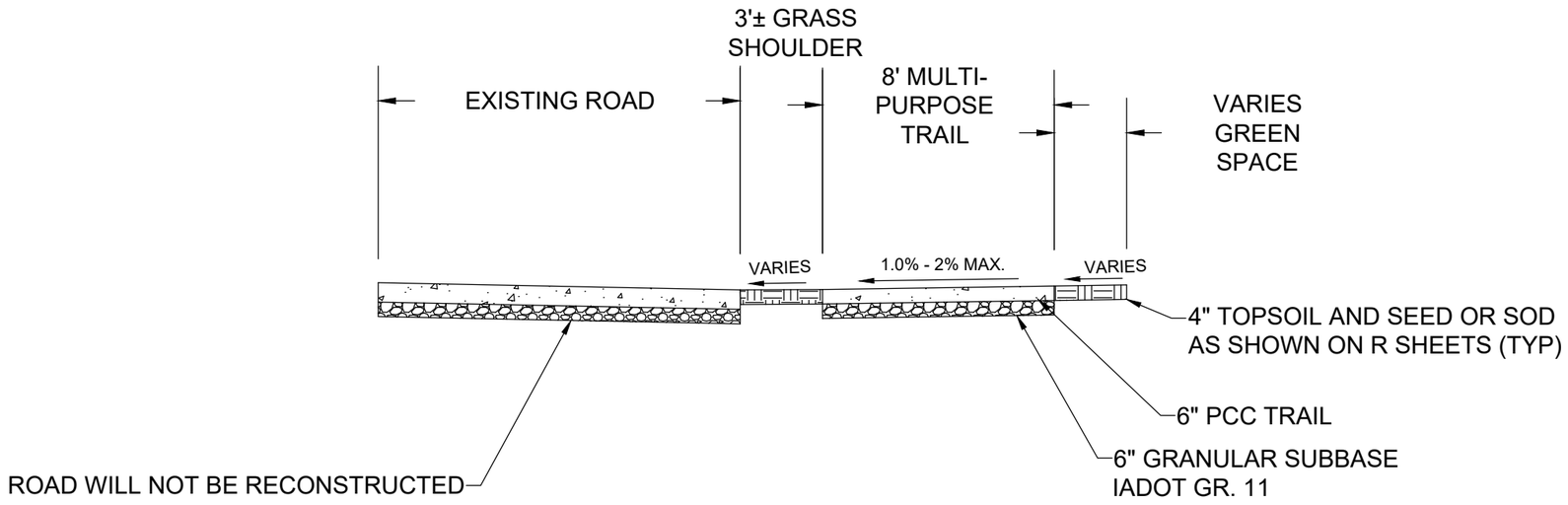
8. CONCRETE WASHOUT DEBRIS SHOULD BE HAULED OFF-SITE. WASHOUT SHOULD BE FILLED IN AND SEEDED.

9. ALL AREAS DISTURBED BEYOND LIMITS SHOWN SHOULD BE SEEDED WITH ADJACENT SEED MIXTURE OR IN-KIND.

PROTECTION OF VEGETATION

TREES AND OTHER VEGETATION WHICH MAY BE REMOVED ARE MARKED WITH AN "X" OVER THE APPROPRIATE SYMBOL. FOR EXAMPLE ⊗12" INDICATES THE REMOVAL OF A 12" TREE. REPLACEMENT, BY CONTRACTOR, OF THESE ITEMS IS NOT REQUIRED. TUNNEL, INSTALL TIGHT SHEETING, HAND EXCAVATE OR EMPLOY OTHER MEANS APPROVED BY ENGINEER TO PROTECT EXPOSED PORTIONS AND ROOT SYSTEMS OF TREES AND OTHER VEGETATION NOT SCHEDULED FOR REMOVAL. IF TREES AND OTHER VEGETATION NOT SCHEDULED FOR REMOVAL ARE DAMAGED DURING CONSTRUCTION, REPLACE IN KIND AND SIZE AT NO COST TO CITY OR PROPERTY OWNER.

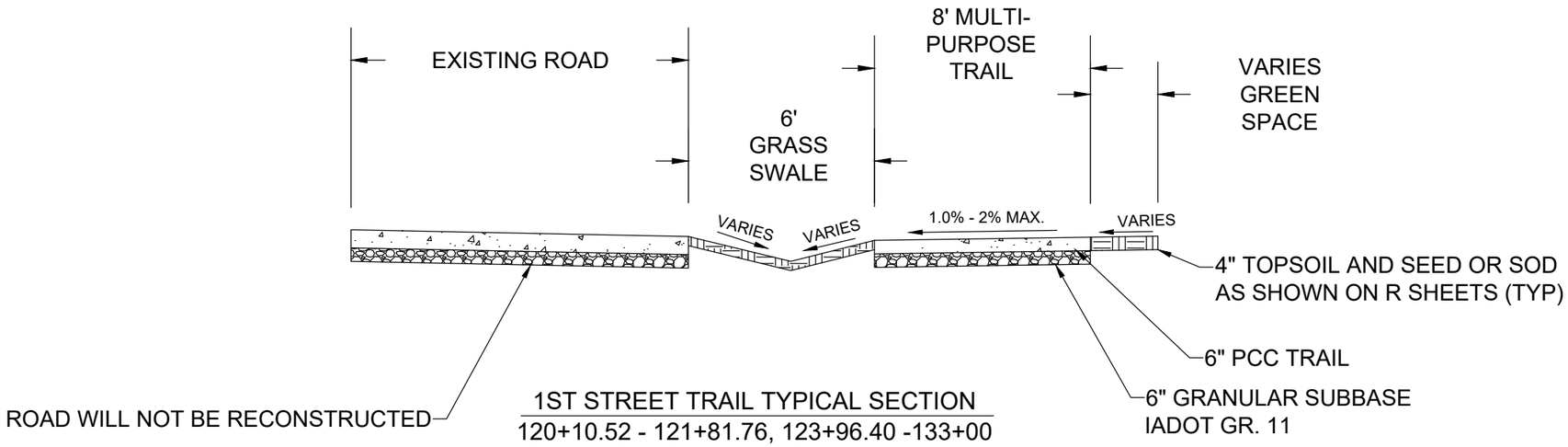
GENERAL NOTES



1ST STREET TRAIL TYPICAL SECTION

121+81.76 - 123+96.40

NOT TO SCALE



1ST STREET TRAIL TYPICAL SECTION

120+10.52 - 121+81.76, 123+96.40 -133+00

NOT TO SCALE

TYPICAL CROSS SECTIONS

ENGLISH	IOWA DOT	DESIGN TEAM	VEENSTRA & KIMM, INC.	SCOTT	COUNTY	PROJECT NUMBER	TAP-R-4497(603)--8T-82	SHEET NUMBER B.01	REVISED

PLOTTED: Tuesday, September 15, 2026 4:08:31 PM FILE PATH: \\ROCIL-NASNIP01.KLEINFELDER.COM\RISHARE\0500\0577-LONG_GROVE\0577-0028_1ST_ST_MULTI-USE_PATH_PHASE2_DESIGN_AND_PLANNING\CADD_PRODDRAWINGS\TITLE SHEET & DETAILS

ESTIMATED PROJECT QUANTITIES
(1 DIVISION PROJECT)

This Data Entry Sheet fills Tab 100-1A effective 07-15-97

Item No.	Item Code	Item	Unit	Total	As Built Qty.
1	2101-0850002	CLEARING AND GRUBBING	UNIT	3.2	
2	2102-2625000	EMBANKMENT-IN-PLACE	CY	614	
3	2102-2713070	EXCAVATION, CLASS 13, ROADWAY AND BORROW	CY	468	
4	2105-8425005	TOPSOIL, FURNISH AND SPREAD	CY	389	
5	2111-8174100	GRANULAR SUBBASE	SY	2,495	
6	2113-0001100	SUBGRADE STABILIZATION MATERIAL, POLYMER GRID	SY	25	
7	2123-7450020	SHOULDER FINISHING, EARTH	STA	46.31	
8	2213-7100400	RELOCATION OF MAIL BOXES	EACH	5	
9	2401-6745354	REMOVAL OF CONCRETE FOOTINGS, AS PER PLAN	EACH	4	
10	2502-8221305	SUBDRAIN OUTLET, DR-305	EACH	1	
11	2503-0111015	STORM SEWER GRAVITY MAIN, TRENCHED, HIGH DENSITY POLYETHYLENE PIPE (HDPE), 15 IN.	LF	1,126.89	
12	2503-0200036	REMOVE STORM SEWER PIPE LESS THAN OR EQUAL TO 36 IN.	LF	214.4	
13	2507-8029000	EROSION STONE	TON	8	
14	2511-0302600	RECREATIONAL TRAIL, PORTLAND CEMENT CONCRETE, 6 IN.	SY	1,285.81	
15	2515-2475006	DRIVEWAY, P.C. CONCRETE, 6 IN.	SY	881.78	
16	2515-6745600	REMOVAL OF PAVED DRIVEWAY	SY	685.78	
17	2519-4200090	REMOVAL AND REINSTALLATION OF FENCE, BASEBALL FIELD FENCE	LF	220	
18	2524-6765010	REMOVE AND REINSTALL SIGN AS PER PLAN	EACH	3	
19	2526-8285010	CONSTRUCTION SURVEY, MONUMENT PRESERVATION	LS	1	
20	2526-8285040	CONSTRUCTION SURVEY, LOCATION SURVEY	LS	1	
21	2528-2518000	SAFETY CLOSURE	EACH	6	
22	2528-2518050	REMOVAL OF ROAD CLOSURE BARRICADE	EACH	6	
23	2528-8445110	TRAFFIC CONTROL	LS	1	
24	2533-4980005	MOBILIZATION	LS	1	
25	2552-0000220	REPLACEMENT OF UNSUITABLE BACKFILL MATERIAL	CY	50	
26	2552-0000300	TRENCH COMPACTION TESTING	LS	1	
27	2554-0212040	VALVE BOX ADJUSTMENT, MINOR	EACH	1	
28	2554-0214000	FIRE HYDRANT ADJUSTMENT	EACH	1	
29	2599-9999005	('EACH' ITEM) DRAIN BASIN WITH DOME GRATE	EACH	7	
30	2601-2636044	SEEDING AND FERTILIZING (URBAN)	ACRE	0.40	
31	2601-2639010	SODDING	SQ	112.95	
32	2602-0000309	PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE, 9 IN. DIA.	LF	1,531	
33	2602-0000351	REMOVAL OF PERIMETER AND SLOPE OR DITCH CHECK SEDIMENT CONTROL DEVICE	LF	1,701	
34	2602-0000362	DITCH CHECK SEDIMENT CONTROL DEVICE, 12 IN. DIA.	LF	170	
35	2602-0010010	MOBILIZATIONS, EROSION CONTROL	EACH	1	

ESTIMATE REFERENCE INFORMATION

This Data Entry Sheet fills Tab 100-4A effective 10-29-02

Item No.	Item Code	Description
1	2101-0850002	CLEARING AND GRUBBING
		SEE CD DEMOLITION SHEETS FOR LOCATIONS. SEE TAB 110-17 FOR QUANTITY ESTIMATE.
2	2102-2625000	EMBANKMENT-IN-PLACE
		ITEM IS FOR ADDITIONAL FILL MATERIAL NEEDED. FURNISH, HAUL, STORAGE, AND PLACING OF EARTHWORK IS CONSIDERED INCIDENTAL TO THIS ITEM. SEE SHEET T.01 FOR QUANTITY TABULATIONS.
3	2102-2713070	EXCAVATION, CLASS 13, ROADWAY AND BORROW
		SEE SHEET T.01 FOR QUANTITY TABULATIONS. REMOVAL, HAUL, STORAGE, AND PLACING OF EARTHWORK IS CONSIDERED INCIDENTAL TO THIS ITEM.
4	2105-8425005	TOPSOIL, FURNISH AND SPREAD
		FURNISH FOUR (4) INCHES OF TOPSOIL TO SEED AND SOD RESTORATION AREAS. REFER TO SHEET T.01 FOR QUANTITY TABULATIONS.
5	2111-8174100	GRANULAR SUBBASE
		FOR INSTALLATION UNDER TRAIL AND DRIVEWAYS.
6	2113-0001100	SUBGRADE STABILIZATION MATERIAL, POLYMER GRID
		FOR INSTALLATION IN AREAS APPROVED FOR EXCAVATION OF UNSUITABLE MATERIALS OR AS APPROVED BY ENGINEER.
7	2123-7450020	SHOULDER FINISHING, EARTH
		VOLUME OF EARTH SHOULDER IS INCLUDED IN EXCAVATION, CLASS 13, QUANTITY.
8	2213-7100400	RELOCATION OF MAIL BOXES
		SEE CD SHEETS FOR LOCATION OF MAIL BOXES TO BE RELOCATED. RELOCATIONS SHALL MEET US POSTAL SERVICE REQUIREMENTS.
9	2401-6745354	REMOVAL OF CONCRETE FOOTINGS, AS PER PLAN
		FOR REMOVAL OF CONCRETE FOOTINGS NORTH OF BALL FIELDS. SEE CD SHEETS FOR LOCATIONS. METHOD OF MEASUREMENT WILL BE AT THE UNIT PRICE FOR EACH FOOTING REMOVED. BASIS OF PAYMENT INCLUDES ALL LABOR AND EQUIPMENT TO REMOVE AND DISPOSE OF CONCRETE FOOTINGS.
10	2502-8221305	SUBDRAIN OUTLET, DR-305
		REFER TO STHE STORM STURUCTURES TABULATION ON THE C SHEETS FOR QUANTITIES AND LOCATIONS.
11	2503-0111015	STORM SEWER GRAVITY MAIN, TRENCHED, HIGH DENSITY POLYETHYLENE PIPE (HDPE), 15 IN.
		USE DUAL-WALL CORRUGATED PE TUBING PER SECTION 4120. SEE M SHEETS FOR INSTALLATION LOCATION.
12	2503-0200036	REMOVE STORM SEWER PIPE LESS THAN OR EQUAL TO 36 IN.
		SEE CD SHEETS FOR LOCATION, EXTENTS, AND TYPE OF PROPOSED CULVERT REMOVAL. SEE TABULATION 110-14 ON THE C SHEETS.
13	2507-8029000	EROSION STONE
		ESTIMATED AT 1.6 TON/CY. EROSION STONE SHALL MEET THE REQUIREMENTS OF ARTICLE 4130. BROKEN CONCRETE AND GRANITE IS NOT ALLOWED. REFER TO THE M SHEETS FOR LOCATIONS.
14	2511-0302600	RECREATIONAL TRAIL, PORTLAND CEMENT CONCRETE, 6 IN.
		CONCRETE FOR RECREATIONAL TRAIL SHALL MEET C-4 MIX REQUIREMENTS. SEE SHEET S.01 FOR SIDEWALK COMPLIANCE TAB. CERTIFIED PLANT INSPECTION IS INCLUDED AS PART OF THIS BID ITEM.
15	2515-2475006	DRIVEWAY, P.C. CONCRETE, 6 IN.
		CONCRETE FOR DRIVEWAYS SHALL MEET M-4 MIX REQUIREMENTS. CERTIFIED PLANT INSPECTION IS INCLUDED AS PART OF THIS BID ITEM.
16	2515-6745600	REMOVAL OF PAVED DRIVEWAY
		SEE CD DEMOLITION SHEETS FOR LOCATIONS OF DRIVEWAYS TO BE REMOVED. EXISTING DRIVEWAYS ARE ASSUMED TO BE 6" PCC AND 4" HMA.
17	2519-4200090	REMOVAL AND REINSTALLATION OF FENCE, BASEBALL FIELD FENCE
		REMOVAL AND REINSTALLATION OF BASEBALL FIELD FENCE AT NORTH END OF THE PROJECT. METHOD OF MEASUREMENT WILL BE AT UNIT PRICE PER LINEAR FOOT OF FENCE REMOVED AND REINSTALLED.BASIS OF PAYMENT INCLUDES REMOVING FENCE AND POSTS, FILLING POST HOLES, STORING AND MAINTAINING FENCE IN GOOD CONDITION AND REINSTALLING THE FENCE AFTER GRADING OPERATIONS. DAMAGED FENCE WILL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
18	2524-6765010	REMOVE AND REINSTALL SIGN AS PER PLAN
		SEE CD SHEETS FOR LOCATIONS OF SIGNS TO BE REMOVED AND REINSTALLED. INSTALLTION SHALL FOLLOW ARTICLE 2524.03. REINSTALL LOCATION BASED ON APPROVAL OF ENGINEER. METHOD OF MEASUREMENT WILL BE AT UNIT PRICE FOR EACH SIGN REMOVED AND REINSTALLED. BASIS OF PAYMENT INCLUDES REMOVING SIGN AND POST, FILLING POST HOLE, STORING AND MAINTAINING SIGN AND POST IN GOOD CONDITION, AND REINSTALLING THE SIGN AND POST. REPLACING SIGNS AND POSTS DESIGNATED FOR REINSTALLATION THAT HAVE BEEN DAMAGED IS THE CONTRACTOR'S RESPONSIBILITY.
19	2526-8285010	CONSTRUCTION SURVEY, MONUMENT PRESERVATION
20	2526-8285040	CONSTRUCTION SURVEY, LOCATION SURVEY
21	2528-2518000	SAFETY CLOSURE
		SEE C SHEETS FOR TABULATIONS AND STATIONING. SEE J SHEETS FOR LOCATIONS OF CLOSURES. METHOD OF MEASUREMENT SHALL BE PER EACH ROAD CLOSURE BARRICADE. BASIS OF PAYMENT WILL BE FULL COMPENSATION FOR FURNISHING MATERIAL, LABOR, AND EQUIPMENT NECESSARY TO ERECT AND MAINTAIN SAFETY CLOSURE, UNLESS OTHERWISE INDICATED IN THE CONTRACT DOCUMENTS.
22	2528-2518050	REMOVAL OF ROAD CLOSURE BARRICADE
		SEE C SHEETS FOR TABULATIONS AND STATIONING. SEE J SHEETS FOR LOCATIONS OF CLOSURES. METHOD OF MEASUREMENT SHALL BE PER EACH ROAD CLOSURE BARRICADE REMOVED. BASIS OF PAYMENT WILL BE FULL COMPENSATION FOR FURNISHING MATERIAL, LABOR, AND EQUIPMENT NECESSARY TO REMOVE SAFETY CLOSURE, UNLESS OTHERWISE INDICATED IN THE CONTRACT DOCUMENTS.
23	2528-8445110	TRAFFIC CONTROL
		ITEM INCLUDES ALL SIGNS, BARRIERS, TEMPORARY FENCING, BARRICADES, CONES, AND OTHER TEMPORARY TRAFFIC CONTROL DEVICES NECESSARY TO MAINTAIN THE SAFETY OF VEHICULAR AND PEDETRIAN TRAFFIC THROUGHOUT THE PROJECT AREA. SEE J SHEETS FOR PLAN AND DETAILS.
24	2533-4980005	MOBILIZATION
25	2552-0000220	REPLACEMENT OF UNSUITABLE BACKFILL MATERIAL
		BACKFILL FOR STORM SEWER SHALL BE CLASS A GRADATION NO. 11.
26	2552-0000300	TRENCH COMPACTION TESTING
		CONTRACTOR TO PROVIDE TRENCH COMPACTION TESTING ON ALL TRENCHES INCLUDING PIPE REMOVALS.
27	2554-0212040	VALVE BOX ADJUSTMENT, MINOR
28	2554-0214000	FIRE HYDRANT ADJUSTMENT
29	2599-9999005	('EACH' ITEM) DRAIN BASIN WITH DOME GRATE
		SEE SHEET M.07 FOR ITEM DETAILS. ITEM INCLUDES PVC RISER WITH CAST IRON DOME GRATE. METHOD OF MEASUREMENT IS PER EACH DRAIN BASIN. BASIS OF PAYMENT WILL INCLUDE, BUT IS NOT LIMITED TO, EXCAVATION, DEWATERING, GRANULAR TRENCH BACKFILL AND COMPACTION, HAULING AND DISPOSAL OF UNUSED SOILS, PIPE STRUCTURE/BEDDING, BYPASS PUMPING, AND PIPE CONNECTIONS FOR EACH DRAIN BASIN INSTALLED. SEE TABULATION ON SHEET C.03 FOR LOCATIONS.
30	2601-2636044	SEEDING AND FERTILIZING (URBAN)
		SEE RR SHEETS FOR LOCATIONS OF SEEDING. UNIT PRICE INCLUDES PREPARATION OF SEEDBED, FERTILIZING, WATERING, MAINTENANCE, AND CLEANUP. ALL ROCK AND DEBRIS SHALL BE REMOVED FROM THE AREA AND ANY RILLS OR WASHES REPAIRED PRIOR TO SEEDING.
31	2601-2639010	SODDING
		SEE RR SHEETS FOR LOCATIONS OF SODDING. UNIT PRICE INCLUDES PREPARATION OF SODBED, FERTILIZING, WATERING, MAINTENANCE, AND CLEANUP.
32	2602-0000309	PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE, 9 IN. DIA.
		SEE RR SHEETS FOR PROPOSED LOCATIONS OF EROSION CONTROL INSTALLATION. SEE TAB 100-19 ON RC.02. STANDARD DETAILS ON RU SHEETS.
33	2602-0000351	REMOVAL OF PERIMETER AND SLOPE OR DITCH CHECK SEDIMENT CONTROL DEVICE
		SEE RR SHEETS FOR PROPOSED LOCATIONS OF EROSION CONTROL INSTALLATION. SEE TAB 100-19 ON RC.02. STANDARD DETAILS ON RU SHEETS.
34	2602-0000362	DITCH CHECK SEDIMENT CONTROL DEVICE, 12 IN. DIA.
		SEE RR SHEETS FOR PROPOSED LOCATIONS OF EROSION CONTROL INSTALLATION. SEE TAB 100-19 ON RC.02. STANDARD DETAILS ON RU SHEETS.
35	2602-0010010	MOBILIZATIONS, EROSION CONTROL
		SEE R SHEETS FOR PPP, EROSION CONTROL PLAN, AND EROSION CONTROL DETAILS.

ESTIMATED REFERENCE INFORMATION

INDEX OF TABULATIONS

Line No.	Tabulation	Tabulation Title	Sheet No.
1	100-19	Perimeter and Slope Sediment Control Devices	RC.02
2	104-5A	Intakes and Utility Accesses	C.04
3	104-5B	Storm Sewer	C.04
4	105-04	Standards	C.03
5	108-13A	Safety Closures	C.03
6	110-8	Removal of Driveway	C.03
7	110-14	Sanitary or Storm Sewer Abandonment or Removal	C.03
8	110-17	Clearing and Grubbing	C.04
9	111-25	Index of Tabulations	C.03
10	113-1A	Sidewalks	C.04
11	190-62	Existing Signs to be Removed	C.03
12		Relocation of Mailboxes	C.03
13		Earthwork	T.01

STANDARDS

The following Standards apply to construction work on this project

Number	Date	Title
EC-201	4/20/2021	Silt Fence
EC-204	10/19/2021	Perimeter, Slope and Ditch Check Sediment Control Devices
DR-305	4/19/2022	Subdrain Outlets (Standard Subdrain, Pressure Release and Special)
MI-210	10/21/2025	PCC Driveways and Alleys
MI-220	4/15/2025	Detectable Warnings and Pedestrian Ramp
PM-110	10/15/2024	Line Types
PM-111	4/21/2020	Symbols and Legends
PV-101	10/20/2026	Joints
SW-101	10/21/2025	Trench Bedding and Backfill Zones
SW-102	10/21/2025	Rigid Gravity Pipe Trench Bedding
SW-512	10/21/2025	Circular Area Intake
TC-1	10/15/2019	Work Not Affecting Traffic (Two-Lane or Multi-Lane)
TC-202	4/18/2023	Work Within 15 ft of Traveled Way
TC-252	10/20/2026	Routes Closed to Traffic

Removal of Driveways

This Data Entry Sheet fills Tab 110-08 effective 04-17-18

Line No.	Station	Side	Area (SY)	Saw Cut (LF)	Remarks
1	121+34.30		37.36		gravel
2	121+96.28		39.30	10	
3	123+36.23		110.82		gravel
4	124+30.58		276.66		
5	125+45.90		161.70	21.79	
6	126+84.92		136.89	55.49	105.27 SY paved, 31.62 SY unpaved
7	130+01.11		165.94		102.85 SY paved, 63.09 SY unpaved
	Subtotal Paved		**685.78**		
	Subtotal Unpaved		**242.89**		

PCC Driveways

This Data Entry Sheet fills Tab 110-08 effective 04-17-18

Line No.	Location		Avg. Length (FT)	Avg. Width (FT)	Area (SF)	Area (SY)	Remarks
	Station	Side					
1	121+31.94	RT	19.39	12.63	244.80	27.20	
2	122+03.21	RT	38.10	16.11	613.80	68.20	
3	123+30.80	RT	40.33	28.36	1143.90	127.10	
4	124+30.18	RT	81.89	28.83	2360.70	262.30	
5	125+42.30	RT	69.05	20.84	1439.10	159.90	
6	126+80.73	RT	44.65	20.66	922.50	102.50	
7	129+99.17	RT	37.94	31.93	1211.40	134.60	
				Subtotal	**7936.20**	**881.80**	

Sanitary or Storm Sewer Abandonment or Removal

Line No.	Location Description	Sewer Type	Work Type	Diameter of Pipe	Length of Pipe (LF)	Flowable Mortar or CLSM (CY)	Remarks
1	121+30.50	Storm, Culvert	Removal	18	90.2		CMP
2	123+34.25	Storm, Culvert	Removal	18	60.2		CMP
3	124+25.67	Storm, Culvert	Removal	18	30.7		CMP
4	125+42.88	Storm, Culvert	Removal	15	33.3		CMP
5	126+82.30	Storm, Culvert	Removal	18	30.4		CMP

Relocation of Mailboxes

Line No.	Location Station	Offset (LF)	Side	Remarks
1	120+46.11	4.45	LT	REMOVE AND REINSTALL
2	120+48.88	4.83	LT	REMOVE AND REINSTALL
3	123+31.45	0.38	RT	NEEDS NEW LOCATION
4	124+55.51	3.62	LT	REMOVE AND REINSTALL
5	125+84.64	4.10	LT	REMOVE AND REINSTALL

Safety Closures

Refer to Section 2518 of the Standard Specifications

Station	Road Closure Qty.	Hazard Closure Qty.	Remarks
110+50	2		Road Closed to Thru Traffic, Detour
113+00	1		Road Closed Ahead
114+75	1		Road Closed to Thru Traffic
117+50	1		Road Closed Ahead
130+00	1		Road Closed

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 (RB) (EA)	Concrete Foundation (RF) (EA)	Support Structure & Foundation (RS) (EA)	Applicable Signing Notes	Remarks
1	Telephone Line Warning	120+59.27	RT								Remove and Reinstall
2	Speed Limit	126+52.22	RT								Remove and Reinstall
3	NO PARKING	127+22.24	RT								Remove and Reinstall
4	Telephone Line Warning	129.82.86	RT								Remove and Reinstall
5	NO PARKING	130+64.24	RT								Remove and Reinstall
6	ADOPT-A-ROADWAY	132+28.35	RT								Remove and Reinstall
7	Telephone Line Warning	132.67.69	RT								Remove and Reinstall

TABULATIONS

Storm Sewer

(1) Diameter or equivalent diameter

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

No.	Location Station	Offset	Type	Form Grade Elev.	Bottom Well Elev.	Extension Length (for SW-542)	Notes	Line Number	Intake / Utility Access No. From	Intake / Utility Access No. To	Class 'D'	Pipe Size (1) (IN.)	Bid Length (FT)	Design Length (FT)	Slope %	Connected Pipe Joint (DR-121)	Flow Line Inlet Elev.	Flow Line Outlet Elev.	Flow Line Other Elev.	Pipe Profile Sheet No.	Notes
1	121+23.04	LT							STR-1	STR-2		15	58.20	58.2	3.92			778.37		M.01	
2	121+81.21	LT							STR-2	STR-3		15	240.80	240.8	5.15		776.09	776.09		M.01-M.02	
3	124+23.00	LT							STR-3	STR-4		15	112.00	112	4.93		763.69	763.69		M.02-M.03	
4	126+35.00	LT							STR-4	STR-5		15	136.30	136.3	2.74		758.17	758.17		M.03	
5	126+70.96	LT							STR-5	STR-6		15	318.10	318.1	2.61		754.44	754.44		M.03-M.04	
6	129+89.73	LT							STR-6	STR-7		15	239.80	239.8	0.69		744.36	744.36		M.04-M.05	

Total Length: 1105.2

Intakes and Utility Accesses

Line No.	Location	Type	Form Grade Elev.	Bottom Well Elev.	Extension Length (for SW-545) (FT)	Remarks
1	121+23.04	Drain Basin w/ Dome Grate	781.34	777.87		3.34' LT
2	121+81.21	Drain Basin w/ Dome Grate	779.20	775.59		3.29' LT
3	124+23.00	Drain Basin w/ Dome Grate	766.33	763.19		1.95' LT
4	125+35.00	Drain Basin w/ Dome Grate	761.36	757.67		2.19' LT
5	126+70.96	Drain Basin w/ Dome Grate	756.85	753.94		4.13' LT
6	129+89.00	Drain Basin w/ Dome Grate	749.44	746.25		16.05' RT
7	129+89.73	Drain Basin w/ Dome Grate	749.33	745.64		5.00' LT
8	132+29.53	DR-305	745.94	744.36		4.79' LT

Sidewalks

Line No.	Road Identification	Station From	Station To	Side	A (FT)	B (FT)	S %	Sidewalk Width (FT)	Sidewalk Length (FT)	Sidewalk Area (SY)	4" PCC Sidewalk (SY)	6" PCC Sidewalk (SY)	7" PCC Sidewalk (SY)	8" PCC Sidewalk (SY)	10" PCC Sidewalk (SY)	Detectable Warnings (SF)	Remarks
1	1st Street	120+09.99	120+31.50			8	-3.50	8	21.51	19.12		19.12					
2	1st Street	120+31.50	121+34.43			8	-2.05	8	102.93	91.49		91.49					
3	1st Street	121+34.43	121+56.25			8	-1.14	8	21.82	19.40			19.40				DRIVEWAY
4	1st Street	121+56.25	122+04.73			8	-5.88	8	48.48	43.09		43.09					
5	1st Street	122+04.73	122+17.25			8	-4.29	8	12.52	11.13			11.13				DRIVEWAY
6	1st Street	122+17.25	123+00.02			8	-5.50	8	82.77	73.57		73.57					
7	1st Street	123+00.02	123+32.15			8	-5.34	8	64.15	57.02		57.02					
8	2nd Street	123+32.15	123+64.17			8	-3.92	8	94.48	83.98			83.98				DRIVEWAY
9	1st Street	123+64.17	124+26.63			8	-6.06	8	62.46	55.52		55.52					
10	1st Street	124+26.63	124+47.65			8	-1.93	8	21.02	18.68			18.68				DRIVEWAY
11	1st Street	124+47.65	125+45.82			8	-5.00	8	98.17	87.26		87.26					
12	1st Street	125+45.82	125+71.58			8	-2.16	8	25.76	22.90			22.90				DRIVEWAY
13	1st Street	125+71.58	126+84.00			8	-3.61	8	112.42	99.93		99.93					
14	1st Street	126+84.00	127+18.15			8	-2.67	8	34.15	30.36			30.36				DRIVEWAY
15	1st Street	127+18.15	127+38.24			8	-4.46	8	20.09	17.86		17.86					
16	1st Street	127+38.24	129+89.73			8	-1.99	8	251.49	223.55		223.55					
17	1st Street	129+89.73	130+18.20			8	-0.31	8	28.47	25.31			25.31				DRIVEWAY
18	1st Street	130+18.20	130+31.45			8	-3.54	8	13.25	11.78			11.78				DRIVEWAY
19	1st Street	130+31.45	130+63.65			8	-3.43	8	32.20	28.62		28.62					
20	1st Street	130+63.65	131+35.00			8	-2.49	8	71.35	63.42		63.42					
21	1st Street	131+35.00	131+82.00			8	-1.12	8	47.00	41.78		41.78					
22	1st Street	131+82.00	132+84.28			8	0.53	8	102.28	90.92		90.92					
23	1st Street	132+84.28	133+66.02			8	1.43	8	81.74	72.66		72.66					
24	1st Street	133+66.02	134+51.10			8	-1.42	8	85.08	75.63		75.63					
											Subtotal	**1141.44**	**223.53**				

TABULATIONS

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REMOVE AND REINSTALL MAILBOX (2 EACH)

REMOVE AND RELOCATE EXISTING UTILITY SIGN

RELOCATE EXISTING WATER VALVE

RELOCATE TRANSFORMERS (x2)

REMOVE EXISTING 18" CMP CULVERT (90.2 LF)

REMOVE DRIVEWAY (110.82 SY)

REMOVE AND REINSTALL MAILBOX IN NEW LOCATION (1 EACH)

REMOVE AND REINSTALL MAILBOX (1 EACH)

REMOVE EXISTING 18" CMP CULVERT (30.7 LF)

REMOVE AND REINSTALL MAILBOX (1 EACH)

REMOVE EXISTING 15" CMP CULVERT (30.7 LF)

RELOCATE EXISTING TELEPHONE PEDESTAL

CLEARING AND GRUBBING (3.2 UNITS)

RELOCATE TELEPHONE PEDESTAL (x4)

REMOVE DRIVEWAY (37.36 SY)

REMOVE DRIVEWAY (39.3 SY)

REMOVE EXISTING 18" CMP CULVERT (60.2 LF)

REMOVE DRIVEWAY (276.66 SY)

REMOVE DRIVEWAY (161.70 SY)

RELOCATE EXISTING FIRE HYDRANT

RELOCATE EXISTING STOP SIGN

PROTECT EXISTING TRAIL FROM PHASE 1

RELOCATE EXISTING TRANSFORMER

RELOCATE EXISTING TELEPHONE PEDESTAL

RELOCATE EXISTING LIGHT POLE

KRIS & SUSAN JANSEN
104 W PINE ST

301 N 1ST ST
THOMAS II & JENNIFER HART

309 N 1ST ST
JIMMIE V & KAREI

315 N 1ST ST
KIMBERLY & CLAYTON MOHR

NO ADDRESS
BEVERLY A
SEGHERS TRUST

319 N 1ST ST
AUSTIN SHOW & EMILY DUTKIEWICZ

323 N 1ST ST
CLAUDE B & DEBRA HEDGERKEN

' 1ST ST
HELBY SPARKS

Sta. 126+02.17
SEE DWG. NO. CD.02

0' 10' 20'

DEMOLITION PLAN

ENGLISH	IOWA DOT	DESIGN TEAM	VEENSTRA & KIMM, INC.	SCOTT	COUNTY	PROJECT NUMBER	TAP-R-4497(603)--8T-82	SHEET NUMBER CD.01	REVISED

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REMOVE EXISTING 18" CMP CULVERT (30.4 LF)

REMOVE AND REINSTALL SIGN (1 EACH)

REMOVE AND REINSTALL SIGN (1 EACH)

REMOVE EXISTING SIGN

REMOVE EXISTING TRANSFORMER

REMOVE EXISTING TELEPHONE PEDESTAL (X2)

REMOVE DRIVEWAY (136.89 SY)

REMOVE 125 SY OF GRANULAR SURFACING

REMOVE SIGN (1 EACH)

REMOVE EXISTING 18" CMP CULVERT (39.7 LF)

REMOVE DRIVEWAY (165.94 SY)

ROW

CP–22

CP–23

PI: 126+65.76

PI: 126+81.00

PI: 129+80.62

PI: 131+11.06

PI: 131+40.00

PC: 134+47.13

PT: 133+94.98

42.48'

24.86'

54.11'

45.08'

382.21'

327 N 1ST ST, CITY OF LONG GROVE

323 N 1ST ST E B & DEBRA HEDGERKEN

Sta. 132+01.96
SEE DWG. NO. CD.03

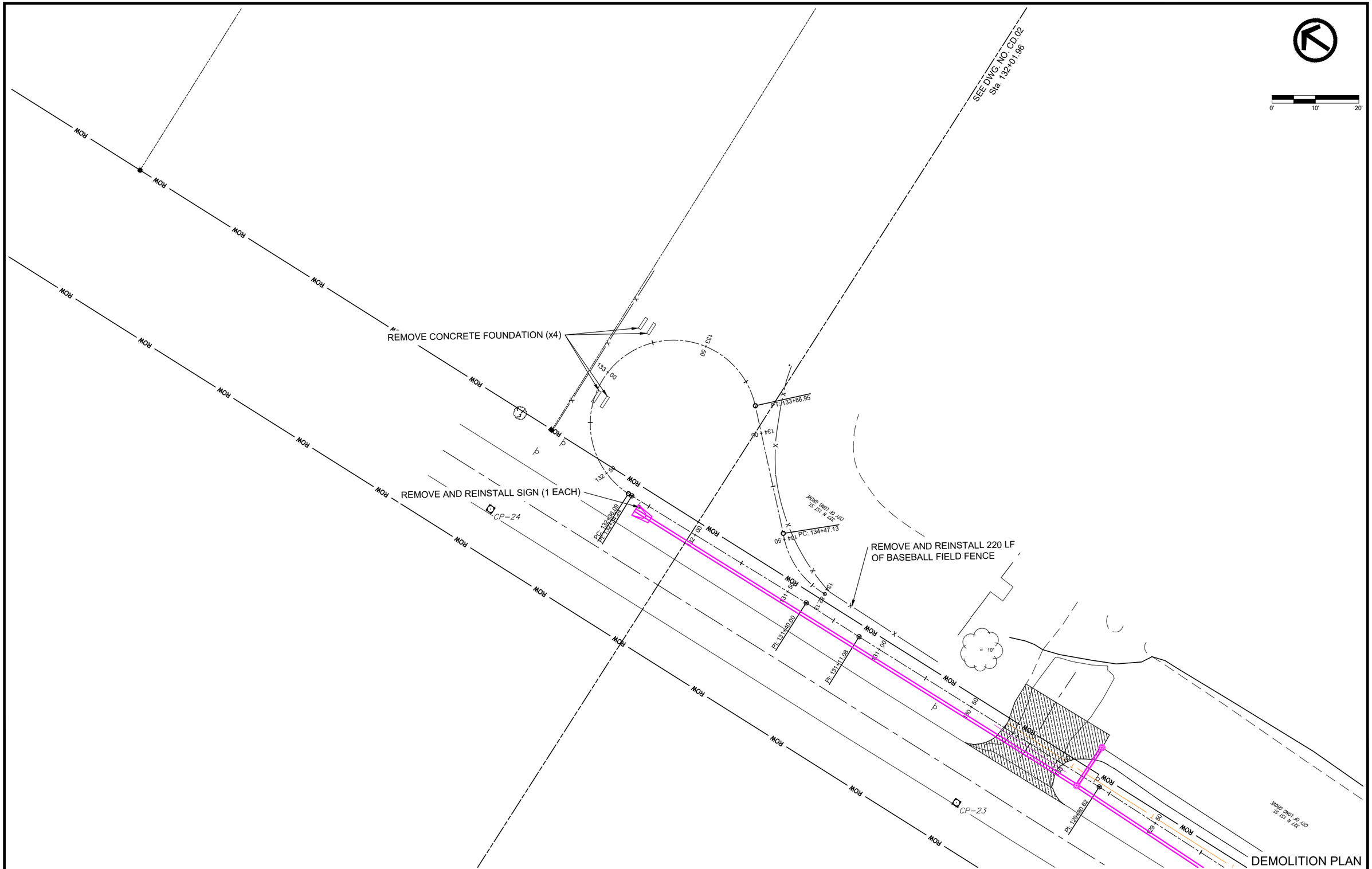
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Sta. 126+02.17

0' 10' 20'

DEMOLITION PLAN

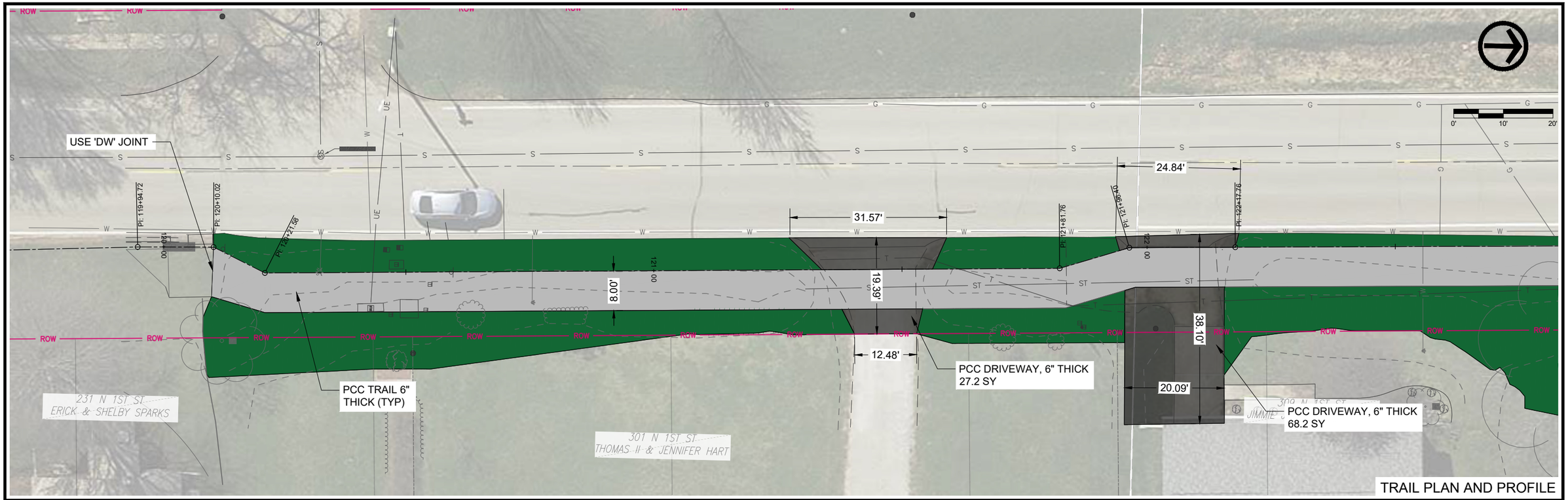
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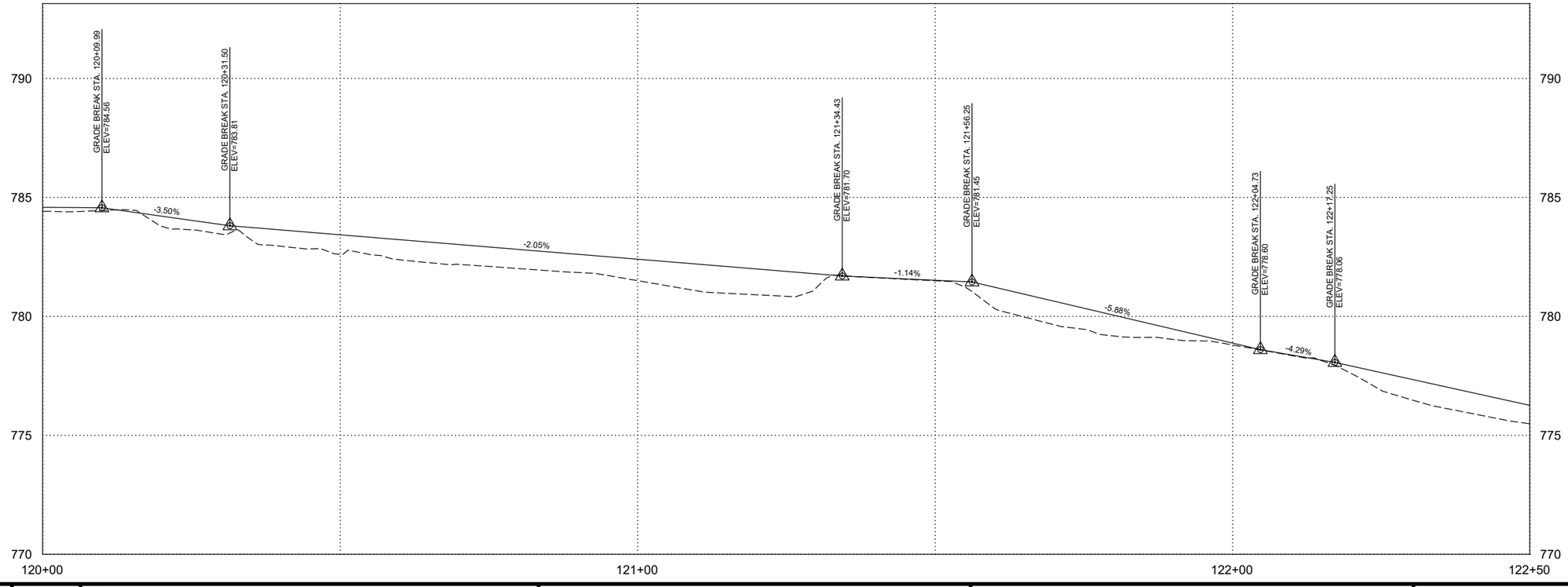
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ENGLISH	IOWA DOT	DESIGN TEAM	VEENSTRA & KIMM, INC.	SCOTT	COUNTY	PROJECT NUMBER	TAP-R-4497(603)--8T-82	SHEET NUMBER CD.03	REVISED

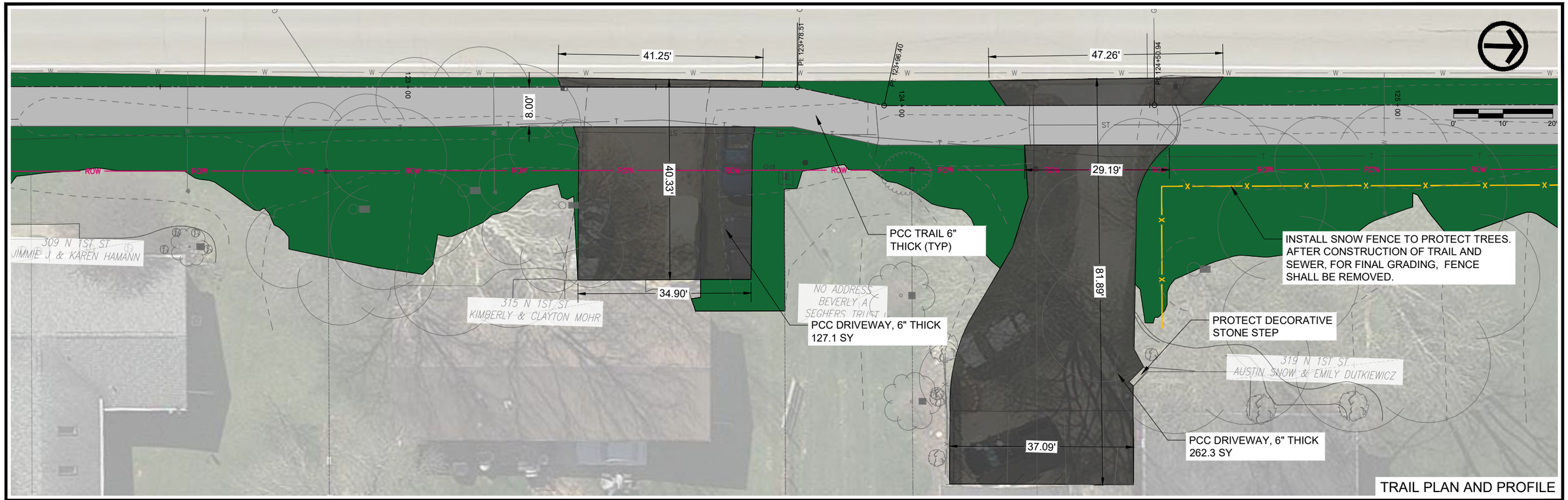
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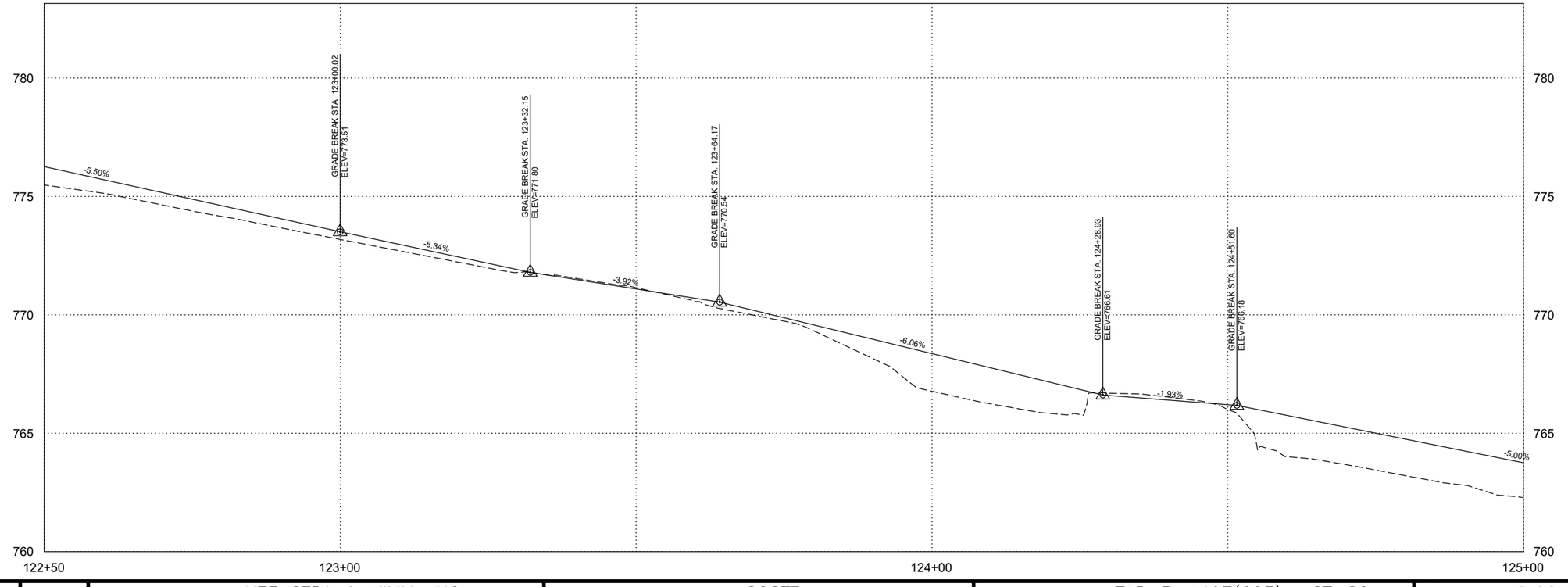


ENGLISH	IOWA DOT	DESIGN TEAM	VEENSTRA & KIMM, INC.	SCOTT	COUNTY	PROJECT NUMBER	TAP-R-4497(603)--8T-82	SHEET NUMBER D.01	REVISED

PLOTTED: Tuesday, September 15, 2026 4:11:48 PM FILE PATH: \\ROCIL-NASNIP01.KLEINFELDER.COM\RISHARE\0500\0577-LONG_GROVE\0577-0028_1ST_ST_MULTI-USE_PATH_PHASE2_DESIGN_AND_PLANNING\CADD_PRODDRAWINGS\D - TRAIL P&P

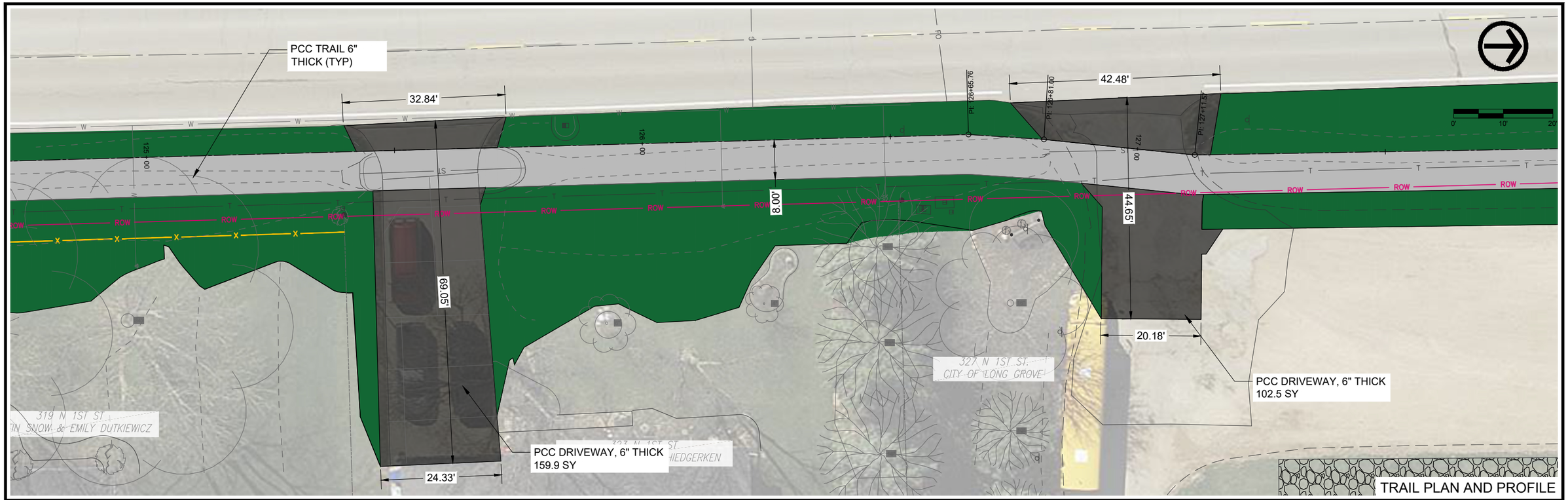


TRAIL PLAN AND PROFILE

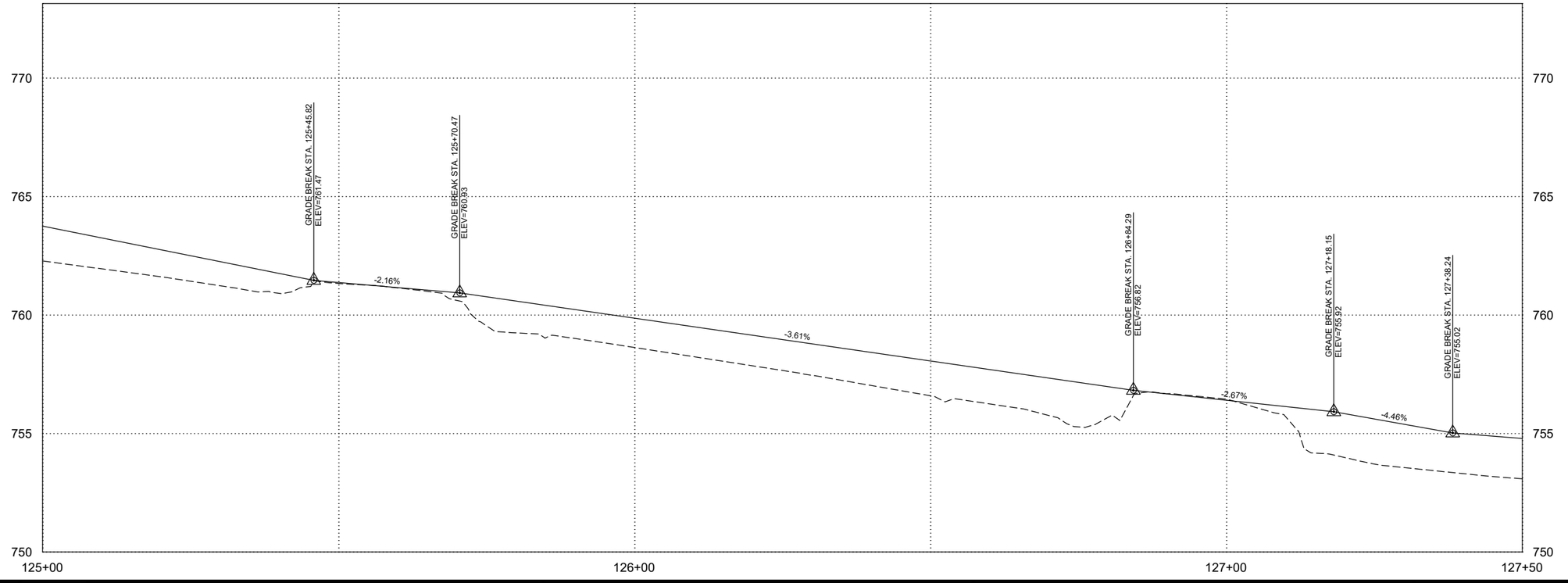


ENGLISH	IOWA DOT	DESIGN TEAM	VEENSTRA & KIMM, INC.	SCOTT	COUNTY	PROJECT NUMBER	TAP-R-4497(603)--8T-82	SHEET NUMBER D.02	REVISED

PLOTTED: Tuesday, September 15, 2026 4:05:43 PM FILE PATH: \\ROCIL-NASNIP01.KLEINFELDER.COM\RISHARE\0500\0577-LONG_GROVE\0577-0028_1ST_ST_MULTI-USE_PATH_PHASE2_DESIGN_AND_PLANNING\CADD_PRODDRAWINGS\D - TRAIL P&P

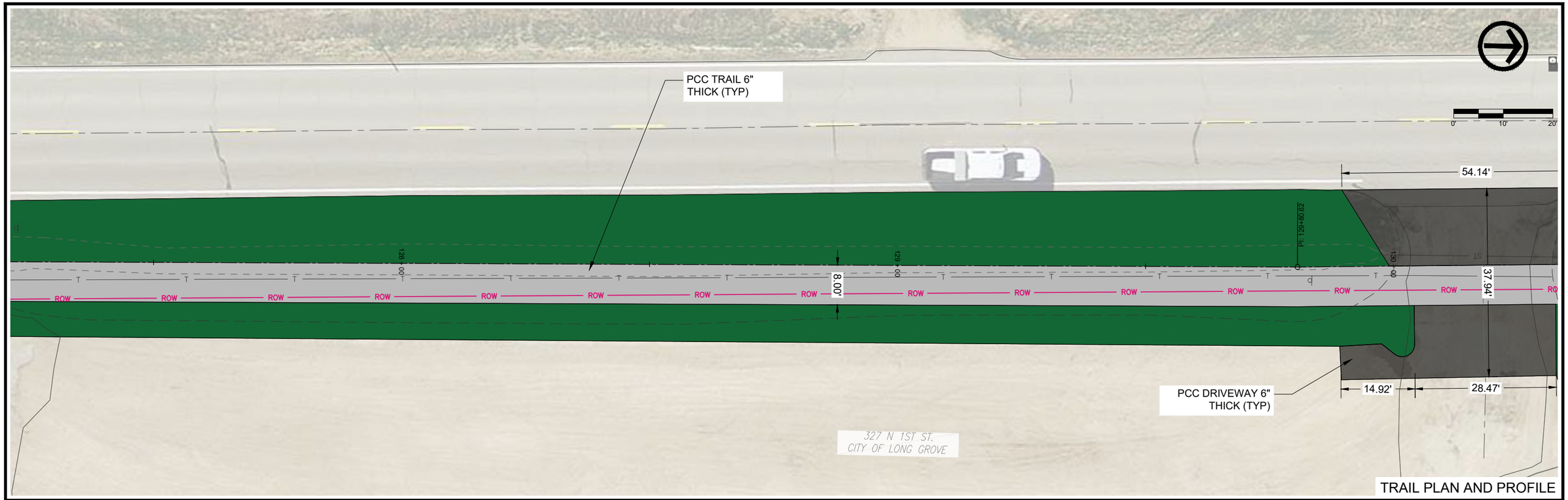


TRAIL PLAN AND PROFILE

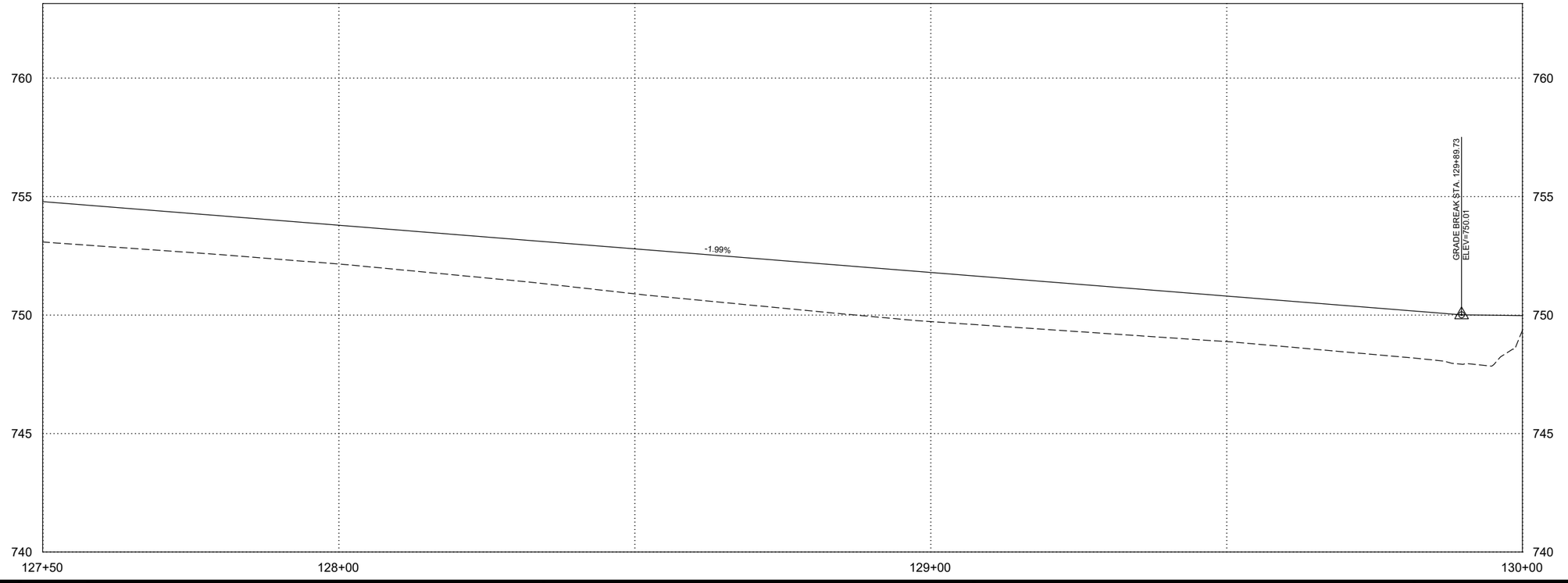


ENGLISH	IOWA DOT	DESIGN TEAM	VEENSTRA & KIMM, INC.	SCOTT	COUNTY	PROJECT NUMBER	TAP-R-4497(603)--8T-82	SHEET NUMBER D.03	REVISED

PLOTTED: Tuesday, September 15, 2026 4:06:39 PM FILE PATH: \\ROCIL-NASNIP01.KLEINFELDER.COM\RISHARE\0500\0577-LONG_GROVE\0577-0028_1ST_ST_MULTI-USE_PATH_PHASE2_DESIGN_AND_PLANNING\CADD_PRODDRAWINGS\D - TRAIL P&P

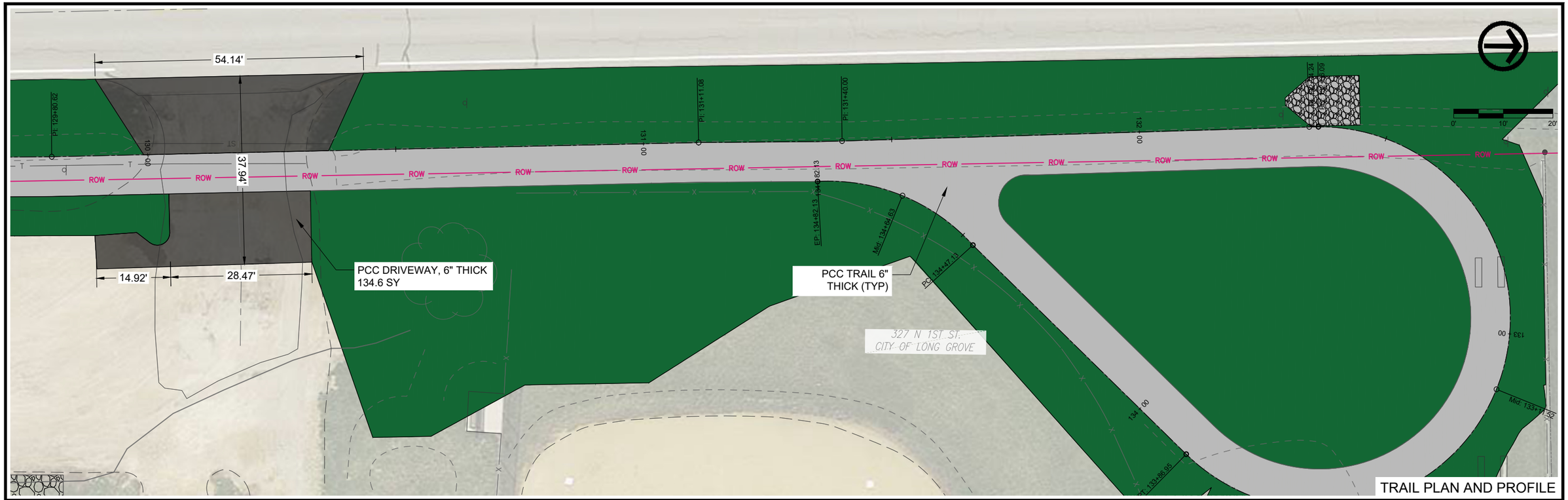


TRAIL PLAN AND PROFILE

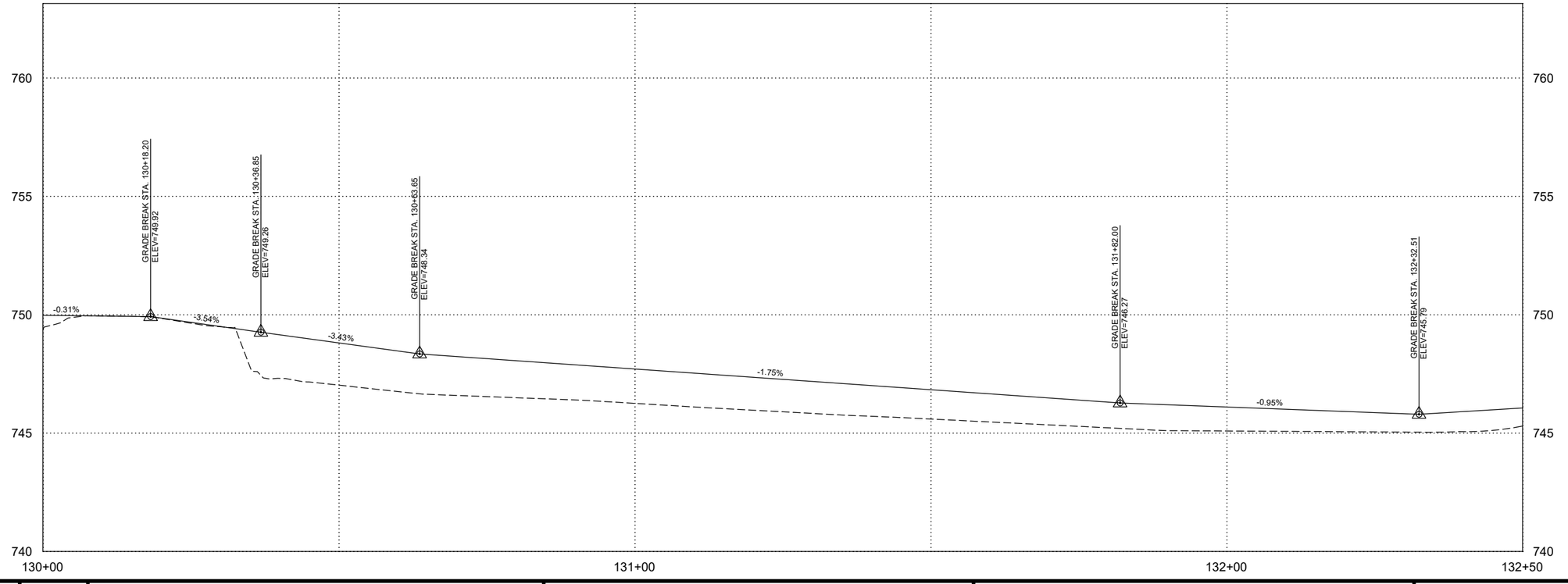


ENGLISH	IOWA DOT	DESIGN TEAM	VEENSTRA & KIMM, INC.	SCOTT	COUNTY	PROJECT NUMBER	TAP-R-4497(603)--8T-82	SHEET NUMBER D.04	REVISED

PLOTTED: Tuesday, September 15, 2026 4:07:25 PM FILE PATH: \\ROCIL-NASNIP01.KLEINFELDER.COM\RISHARE\0500\0577-LONG_GROVE\0577-0028_1ST_ST_MULTI-USE_PATH_PHASE2_DESIGN_AND_PLANNING\CADD_PRODDRAWINGS\D - TRAIL P&P

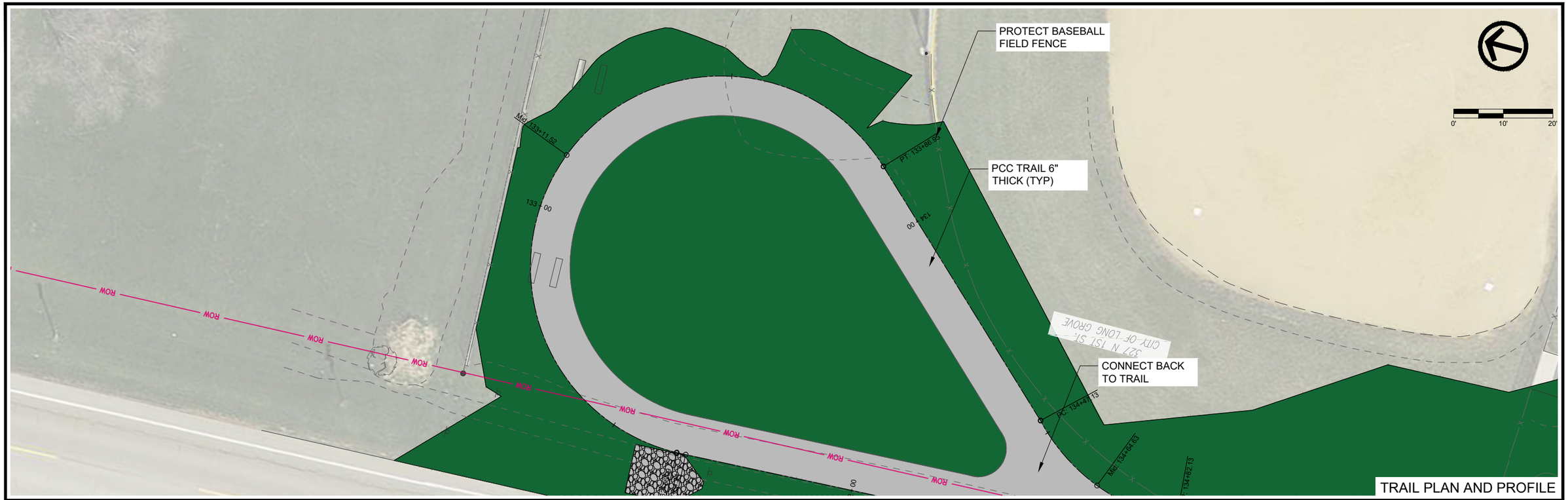


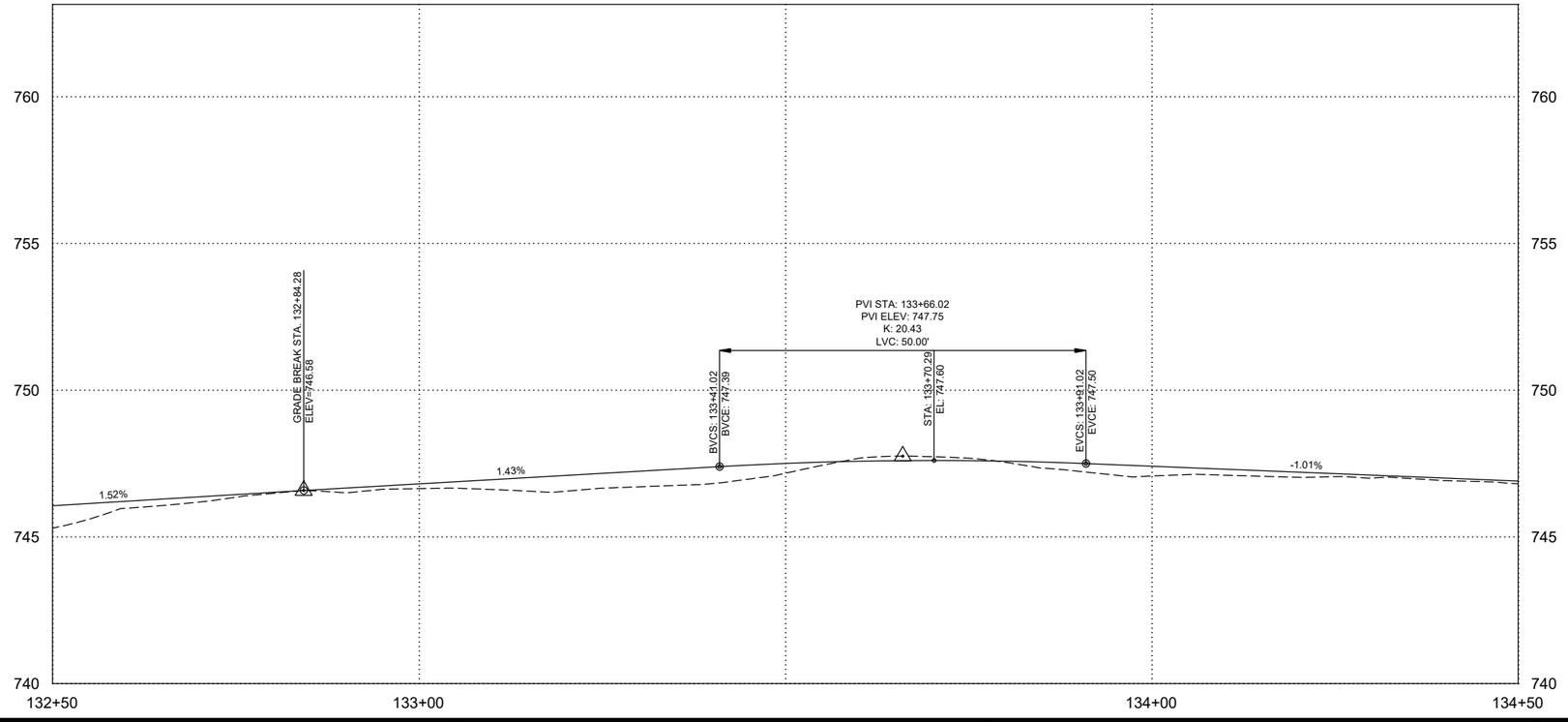
TRAIL PLAN AND PROFILE



ENGLISH	IOWA DOT	DESIGN TEAM	VEENSTRA & KIMM, INC.	SCOTT	COUNTY	PROJECT NUMBER	TAP-R-4497(603)--8T-82	SHEET NUMBER D.05	REVISED

PLOTTED: Tuesday, September 15, 2026 4:06:53 PM FILE PATH: \\ROCIL-NASNIP01.KLEINFELDER.COM\RISHARE\0500\0577-LONG_GROVE\0577-0028_1ST_ST_MULTI-USE_PATH_PHASE2_DESIGN_AND_PLANNING\CADD_PRODDRAWINGS\D - TRAIL P&P





ENGLISH	IOWA DOT	DESIGN TEAM	VEENSTRA & KIMM, INC.	SCOTT	COUNTY	PROJECT NUMBER	TAP-R-4497(603)--8T-82	SHEET NUMBER D.06	REVISED

PLOTTED: Tuesday, September 15, 2026 4:05:25 PM FILE PATH: \\ROCIL-NASNIP01.KLEINFELDER.COM\RISHARE\0500\0577-LONG_GROVE\0577-0028_1ST_ST_MULTI-USE_PATH_PHASE2_DESIGN_AND_PLANNING\CADD_PRODDRAWINGS\D - TRAIL P&P

0' 10' 20'

KRIS & SUSAN JANSEN
104 W PINE ST

231 N 1ST ST
ERICK & SHELBY SPARKS

301 N 1ST ST
THOMAS II & JENNIFER HART

309 N 1ST ST
JIMMIE J & KAREN HAMANN

PI: 119+94.72
N632798.55, E2436919.64

PI: 120+10.02
N632813.85, E2436919.30

PI: 120+21.58
N632824.29, E2436924.25

PI: 121+81.76
N632984.39, E2436919.41

PI: 121+96.40
N632998.33, E2436914.91

PI: 122+17.76
N633019.68, E2436914.29

RIM=784.88

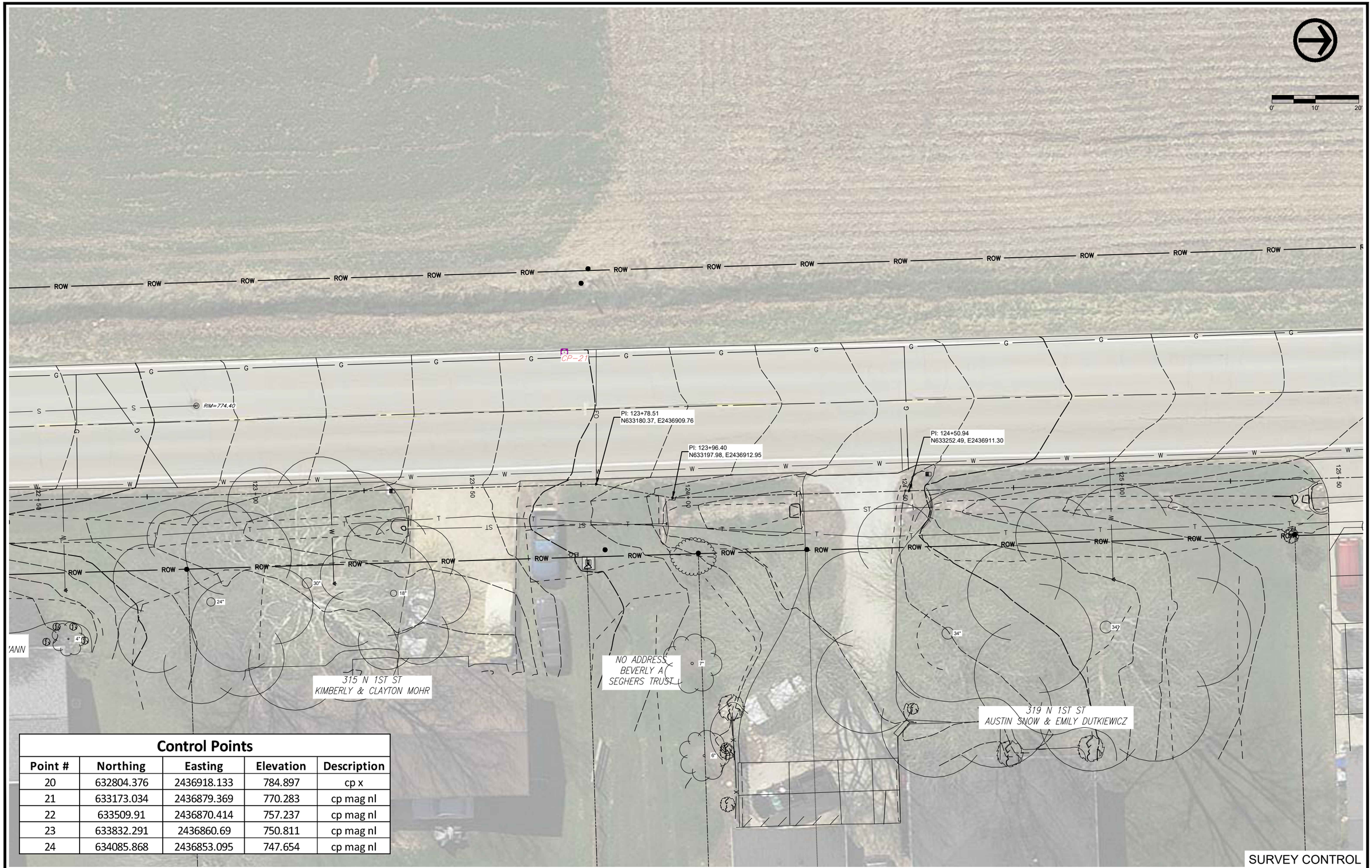
Control Points

Point #	Northing	Easting	Elevation	Description
20	632804.376	2436918.133	784.897	cp x
21	633173.034	2436879.369	770.283	cp mag nl
22	633509.91	2436870.414	757.237	cp mag nl
23	633832.291	2436860.69	750.811	cp mag nl
24	634085.868	2436853.095	747.654	cp mag nl

SURVEY CONTROL

ENGLISH	IOWA DOT	DESIGN TEAM	VEENSTRA & KIMM, INC.	SCOTT	COUNTY	PROJECT NUMBER	TAP-R-4497(603)--8T-82	SHEET NUMBER G.01	REVISED

PLOTTED: Tuesday, September 15, 2026 4:05:05 PM FILE PATH: \\ROCIL-NASNIPO1.KLEINFELDER.COM\RISHARE\0500\0577-LONG_GROVE\0577-0028_1ST_ST_MULTI-USE_PATH_PHASE2_DESIGN_AND_PLANNING\CADD_PRODDRAWINGS\G - SURVEY CONTROL



Control Points

Point #	Northing	Easting	Elevation	Description
20	632804.376	2436918.133	784.897	cp x
21	633173.034	2436879.369	770.283	cp mag nl
22	633509.91	2436870.414	757.237	cp mag nl
23	633832.291	2436860.69	750.811	cp mag nl
24	634085.868	2436853.095	747.654	cp mag nl

SURVEY CONTROL

ENGLISH	IOWA DOT	DESIGN TEAM	VEENSTRA & KIMM, INC.	SCOTT	COUNTY	PROJECT NUMBER	TAP-R-4497(603)--8T-82	SHEET NUMBER	G.02	REVISED

PLOTTED: Tuesday, September 15, 2026 4:08:51 PM FILE PATH: \\ROCIL-NASNIP01.KLEINFELDER.COM\RISHARE\0500\0577-LONG_GROVE\0577-0028_1ST_ST_MULTI-USE_PATH_PHASE2_DESIGN_AND_PLANNING\CADD_PRODDRAWINGS\G - SURVEY CONTROL

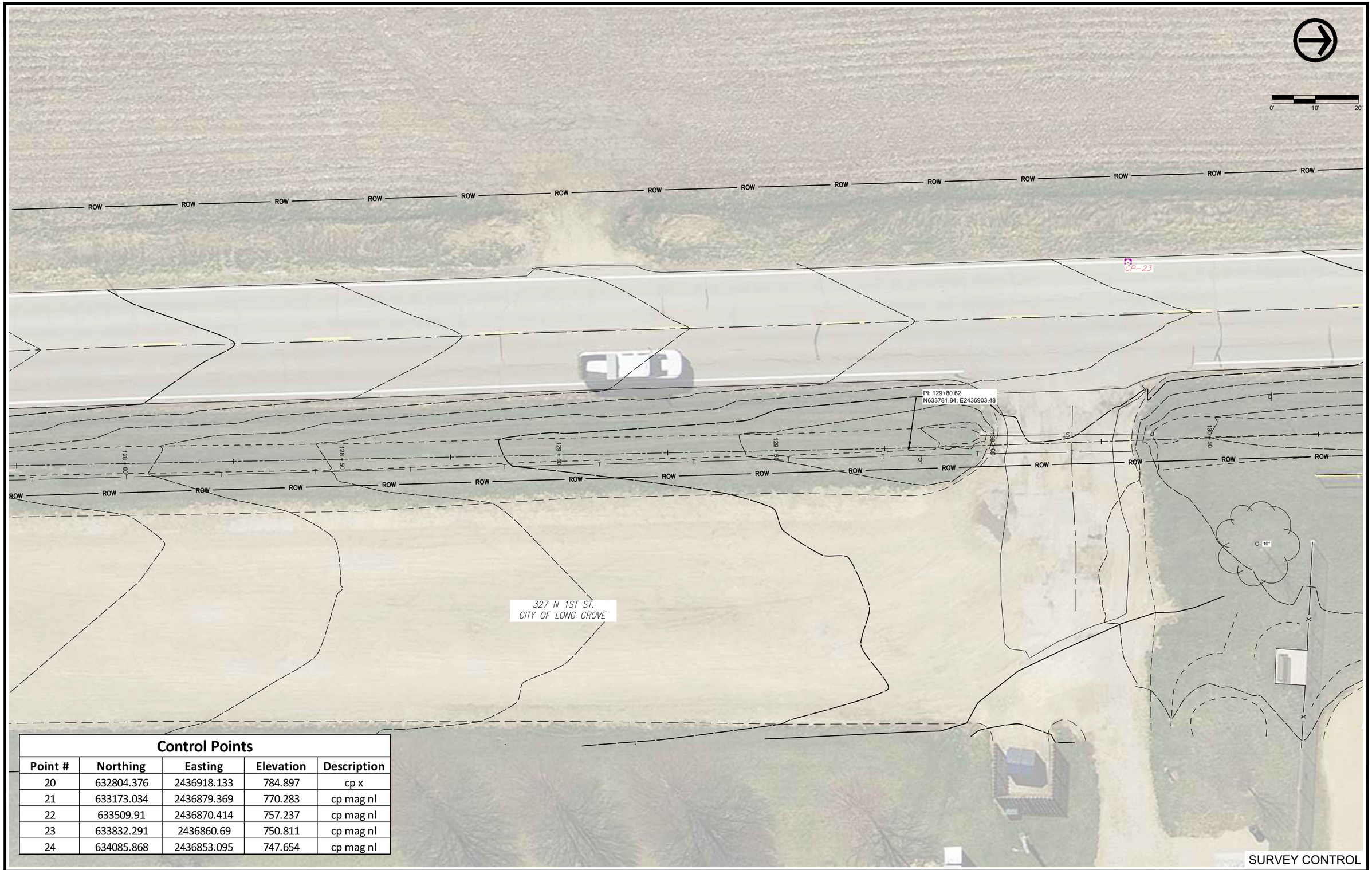


Control Points

Point #	Northing	Easting	Elevation	Description
20	632804.376	2436918.133	784.897	cp x
21	633173.034	2436879.369	770.283	cp mag nl
22	633509.91	2436870.414	757.237	cp mag nl
23	633832.291	2436860.69	750.811	cp mag nl
24	634085.868	2436853.095	747.654	cp mag nl

ENGLISH	IOWA DOT	DESIGN TEAM	VEENSTRA & KIMM, INC.	SCOTT	COUNTY	PROJECT NUMBER	TAP-R-4497(603)--8T-82	SHEET NUMBER	G.03	REVISED

PLOTTED: Tuesday, September 15, 2026 4:08:20 PM FILE PATH: \\ROCIL-NASNIPO1.KLEINFELDER.COM\RISHARE\0500\0577-LONG_GROVE\0577-0028_1ST_ST_MULTI-USE_PATH_PHASE2_DESIGN_AND_PLANNING\CADD_PRODDRAWINGS\G - SURVEY CONTROL



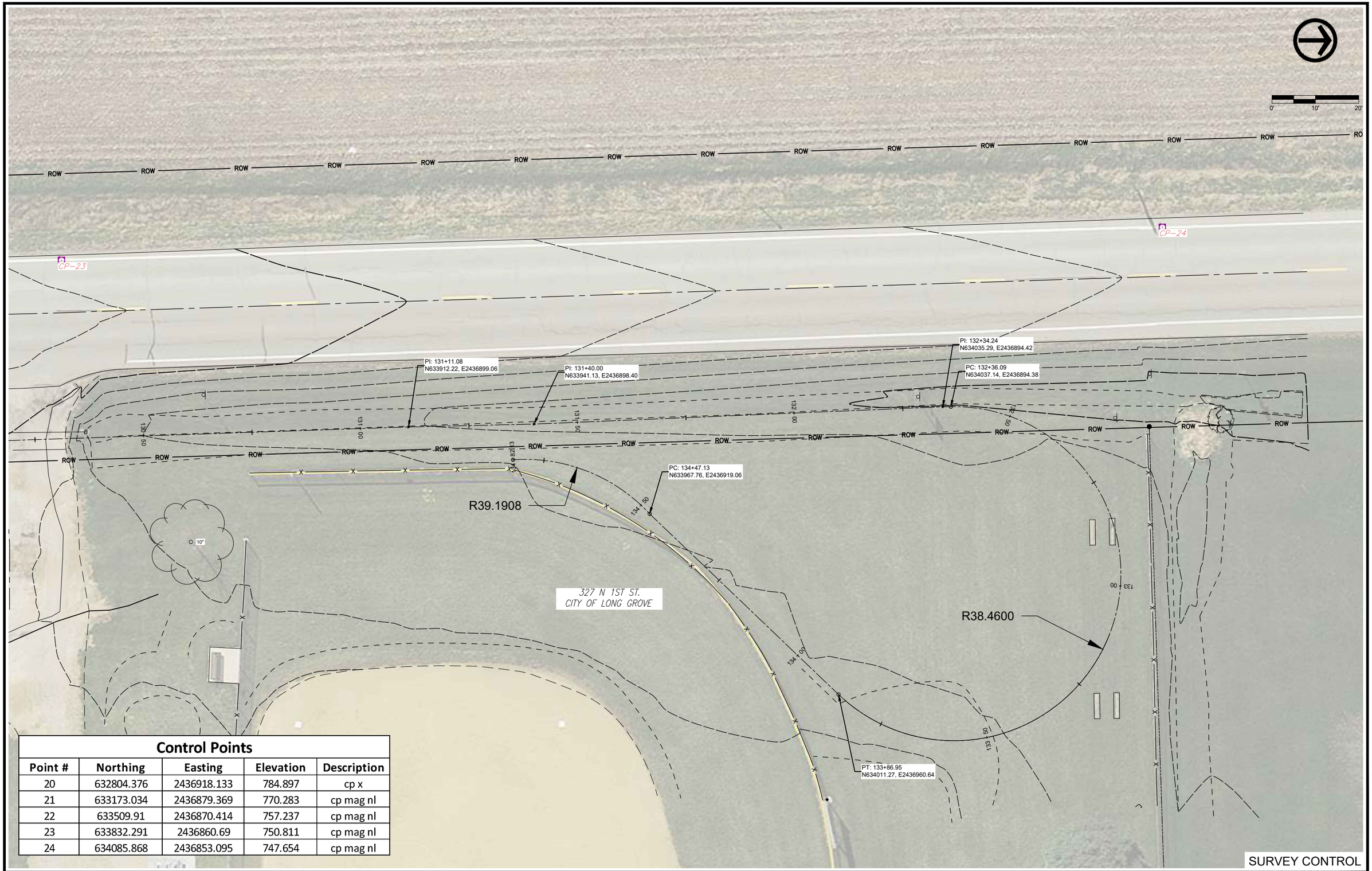
Control Points

Point #	Northing	Easting	Elevation	Description
20	632804.376	2436918.133	784.897	cp x
21	633173.034	2436879.369	770.283	cp mag nl
22	633509.91	2436870.414	757.237	cp mag nl
23	633832.291	2436860.69	750.811	cp mag nl
24	634085.868	2436853.095	747.654	cp mag nl

SURVEY CONTROL

ENGLISH	IOWA DOT	DESIGN TEAM	VEENSTRA & KIMM, INC.	SCOTT	COUNTY	PROJECT NUMBER	TAP-R-4497(603)--8T-82	SHEET NUMBER	G.04	REVISED

PLOTTED: Tuesday, September 15, 2026 4:11:09 PM FILE PATH: \\ROCIL-NASNIPO1.KLEINFELDER.COM\RISHARE\0500\0577-LONG_GROVE\0577-0028_1ST_ST_MULTI-USE_PATH_PHASE2_DESIGN_AND_PLANNING\CADD_PRODDRAWINGS\G - SURVEY CONTROL



Control Points

Point #	Northing	Easting	Elevation	Description
20	632804.376	2436918.133	784.897	cp x
21	633173.034	2436879.369	770.283	cp mag nl
22	633509.91	2436870.414	757.237	cp mag nl
23	633832.291	2436860.69	750.811	cp mag nl
24	634085.868	2436853.095	747.654	cp mag nl

SURVEY CONTROL

ENGLISH	IOWA DOT	DESIGN TEAM	VEENSTRA & KIMM, INC.	SCOTT	COUNTY	PROJECT NUMBER	TAP-R-4497(603)--8T-82	SHEET NUMBER G.05	REVISED

PLOTTED: Tuesday, September 15, 2026 4:11:33 PM FILE PATH: \\ROCIL-NASNIP01.KLEINFELDER.COM\RISHARE\0500\0577-LONG_GROVE\0577-0028_1ST_ST_MULTI-USE_PATH_PHASE2_DESIGN_AND_PLANNING\CADD_PRODDRAWINGS\G - SURVEY CONTROL

ANDREA & MARK DENGER
230 N 1ST ST

KRIS & SUSAN JANSEN
104 W PINE ST

231 N 1ST ST
ERICK & SHELBY SPARKS

301 N 1ST ST
THOMAS II & JENNIFER HART

309 N 1ST ST
JIMMIE J & KAREN HAMANN

0' 10' 20'

ROW

RGW

UE

SS RIM=784.88

Pl: 119+84.72

Pl: 120+10.02

Pl: 120+21.88

SP = 20

120.50

121.00

Pl: 121+81.76

Pl: 121+69.40

121.50

122.00

Pl: 122+17.76

122.50

14.50'

68.00'

142.04'

90.00'

TRAIL RIGHT OF WAY

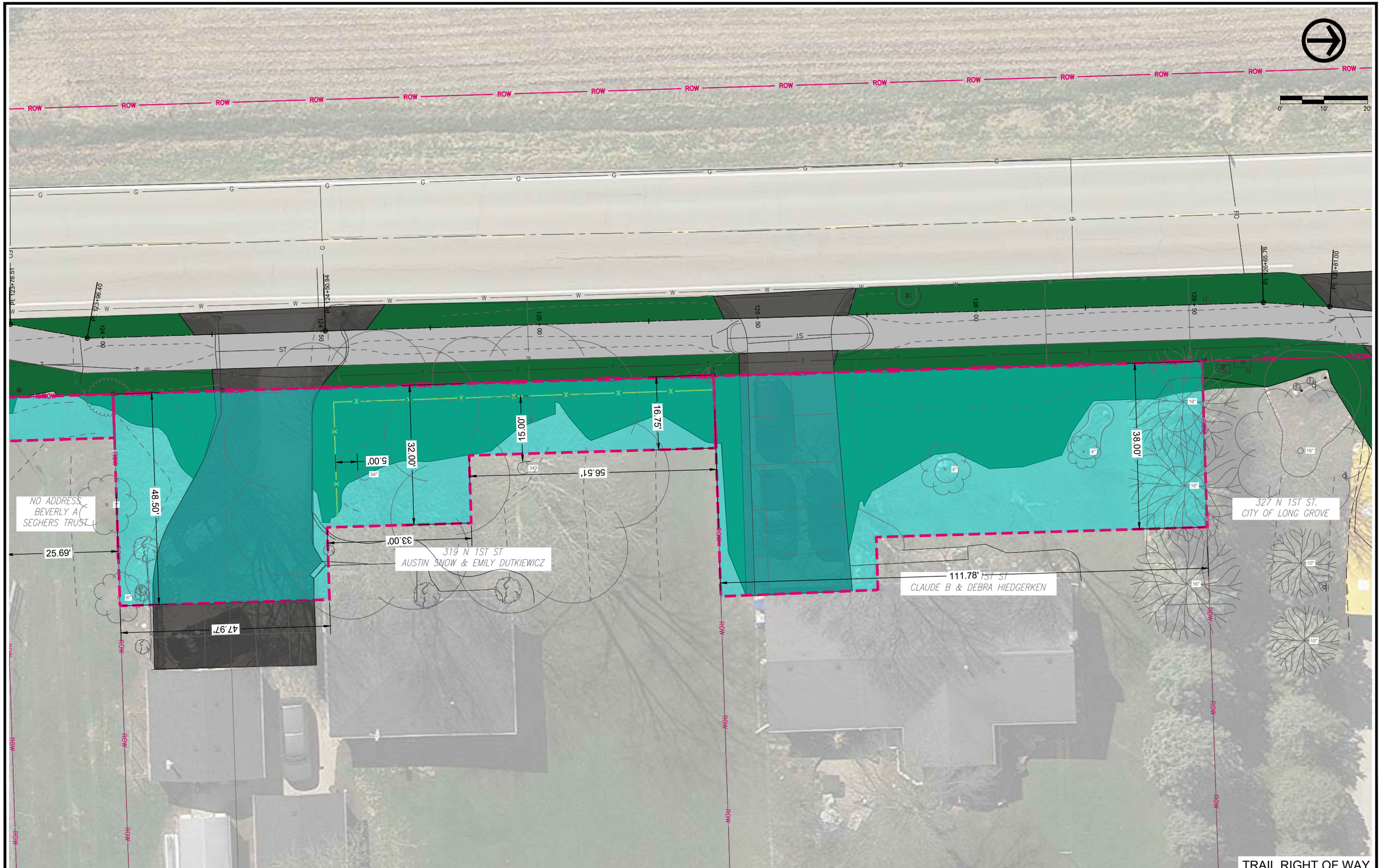
ENGLISH	IOWA DOT	DESIGN TEAM	VEENSTRA & KIMM, INC.	SCOTT	COUNTY	PROJECT NUMBER	TAP-R-4497(603)--8T-82	SHEET NUMBER	H.01	REVISED

PLOTTED: Tuesday, September 15, 2026 4:06:13 PM FILE PATH: \\ROCIL-NASNIP01.KLEINFELDER.COM\RISHARE\0500\0577-LONG_GROVE\0577-0028_1ST_ST_MULTI-USE_PATH_PHASE2_DESIGN_AND_PLANNING\CADD_PRODDRAWINGS\H - RIGHT OF WAY

0' 10' 20'

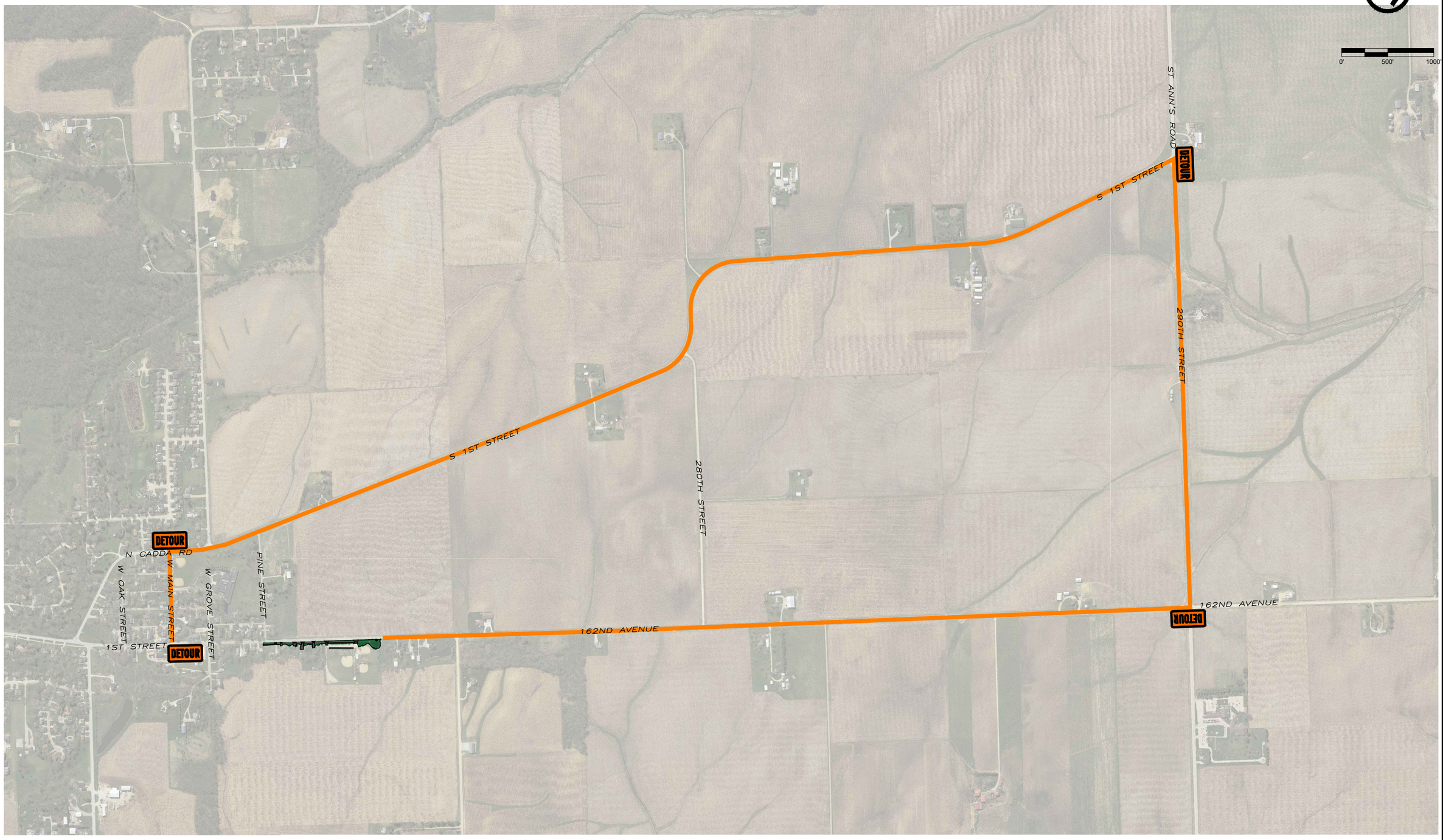
ROW ROW ROW ROW ROW ROW ROW ROW ROW ROW ROW ROW ROW ROW

G G G



ENGLISH	IOWA DOT	DESIGN TEAM	VEENSTRA & KIMM, INC.	SCOTT	COUNTY	PROJECT NUMBER	TAP-R-4497(603)--8T-82	SHEET NUMBER	H.03	REVISED

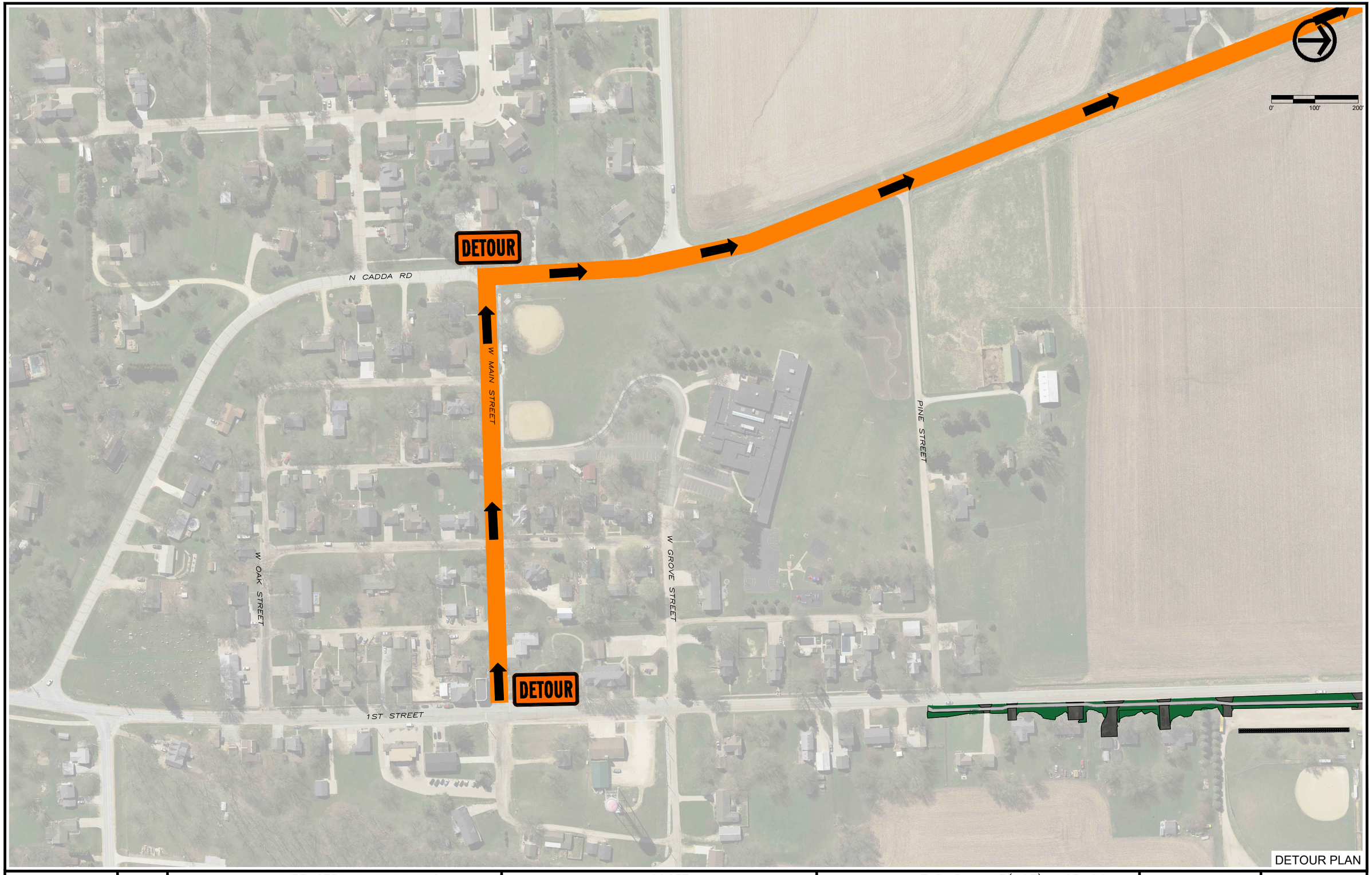
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TRAIL CROSS SECTIONS

ENGLISH	IOWA DOT	DESIGN TEAM	VEENSTRA & KIMM, INC.	SCOTT	COUNTY	PROJECT NUMBER	TAP-R-4497(603)--8T-82	SHEET NUMBER	W.02	REVISED

PLOTTED: Tuesday, September 15, 2026 4:04:41 PM FILE PATH: \\ROCIL-NASNIP01.KLEINFELDER.COM\RISHARE\0500\0577-LONG_GROVE\0577-0028_1ST_ST_MULTI-USE_PATH_PHASE2_DESIGN_AND_PLANNING\CADD_PRODDRAWINGS\J - DETOUR PLAN



DETOUR PLAN

ENGLISH	IOWA DOT	DESIGN TEAM	VEENSTRA & KIMM, INC.	SCOTT	COUNTY	PROJECT NUMBER	TAP-R-4497(603)--8T-82	SHEET NUMBER	J.02	REVISED

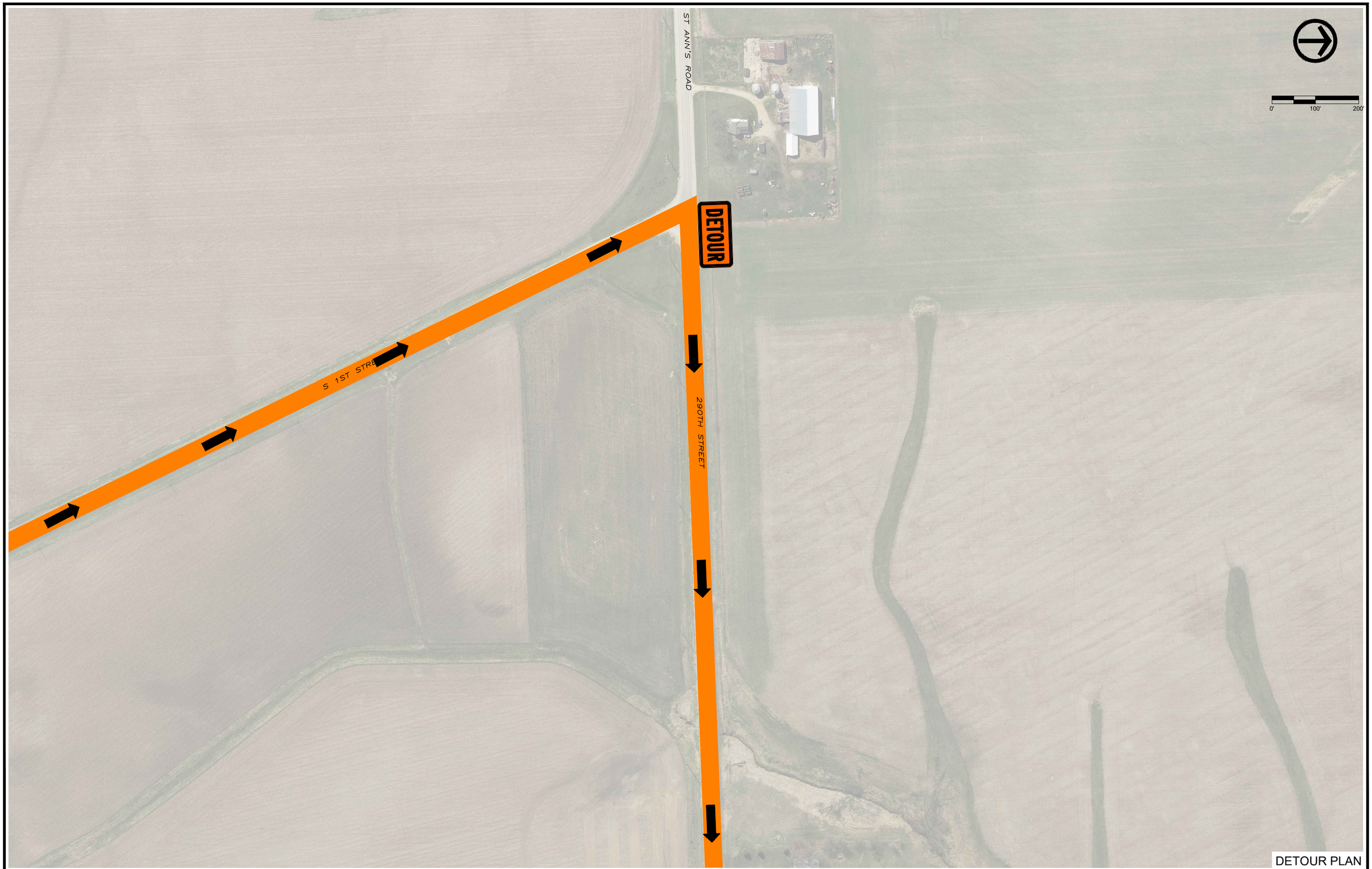
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DETOUR PLAN

ENGLISH	IOWA DOT	DESIGN TEAM	VEENSTRA & KIMM, INC.	SCOTT	COUNTY	PROJECT NUMBER	TAP-R-4497(603)--8T-82	SHEET NUMBER	J.03	REVISED

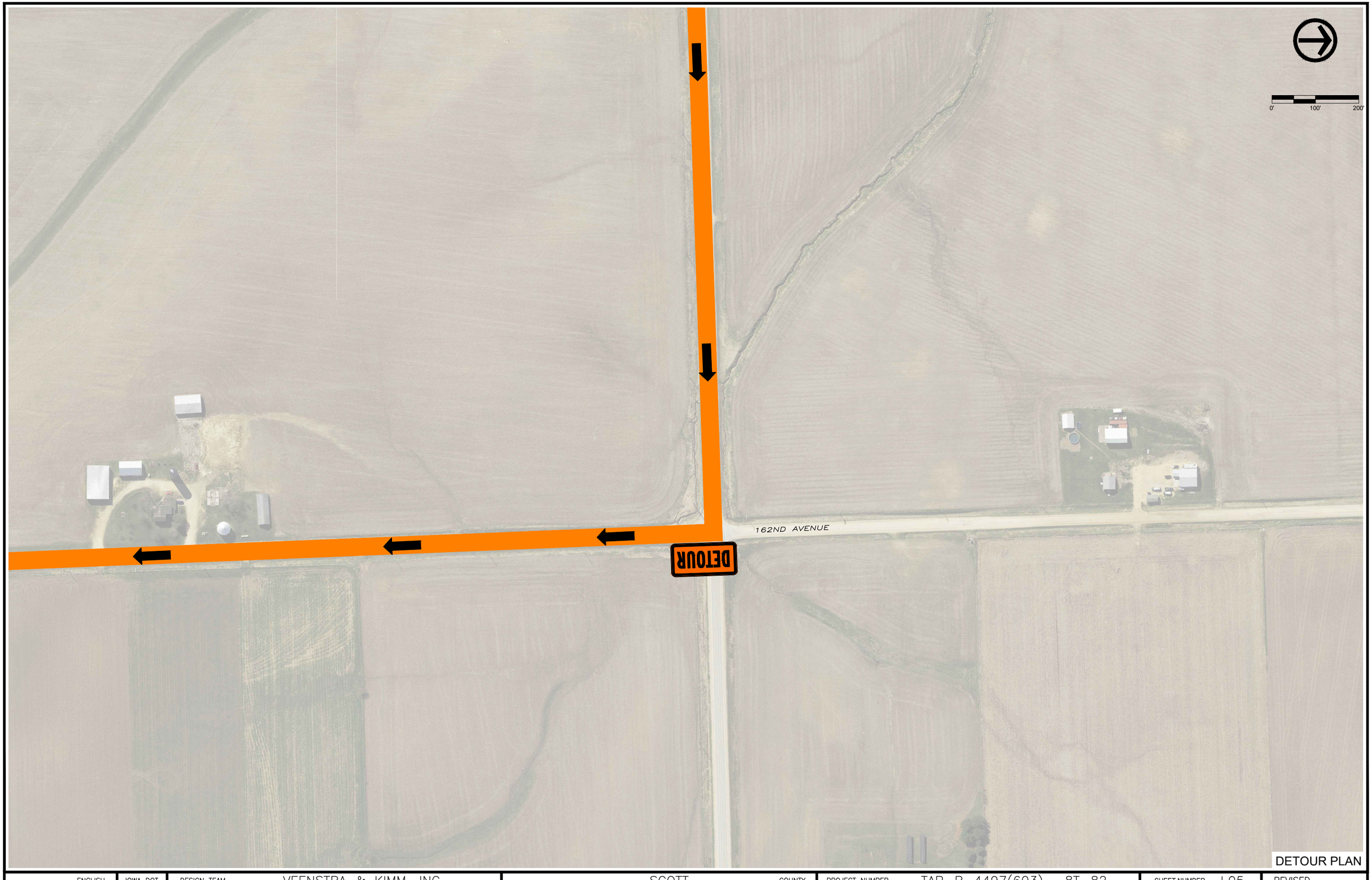
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DETOUR PLAN

ENGLISH	IOWA DOT	DESIGN TEAM VEENSTRA & KIMM, INC.	SCOTT COUNTY	PROJECT NUMBER TAP-R-4497(603)--8T-82	SHEET NUMBER J.04	REVISED

PLOTTED: Tuesday, September 15, 2026 4:13:37 PM FILE PATH: \\ROCIL-NASNIP01.KLEINFELDER.COM\RISHARE\0500\0577-LONG_GROVE\0577-0028_1ST_ST_MULTI-USE_PATH_PHASE2_DESIGN_AND_PLANNING\CADD_PRODDRAWINGS\J - DETOUR PLAN



DETOUR PLAN

ENGLISH	IOWA DOT	DESIGN TEAM	VEENSTRA & KIMM, INC.	SCOTT	COUNTY	PROJECT NUMBER	TAP-R-4497(603)--8T-82	SHEET NUMBER	J.05	REVISED

PLOTTED: Tuesday, September 15, 2026 4:13:06 PM FILE PATH: \\ROCIL-NASNIP01.KLEINFELDER.COM\RISHARE\0500\0577-LONG_GROVE\0577-0028_1ST_ST_MULTI-USE_PATH_PHASE2_DESIGN_AND_PLANNING\CADD_PRODDRAWINGS\J - DETOUR PLAN

W MAIN STREET

W GROVE STREET

PINE STREET

0' 40' 80'

ROAD CLOSED AHEAD

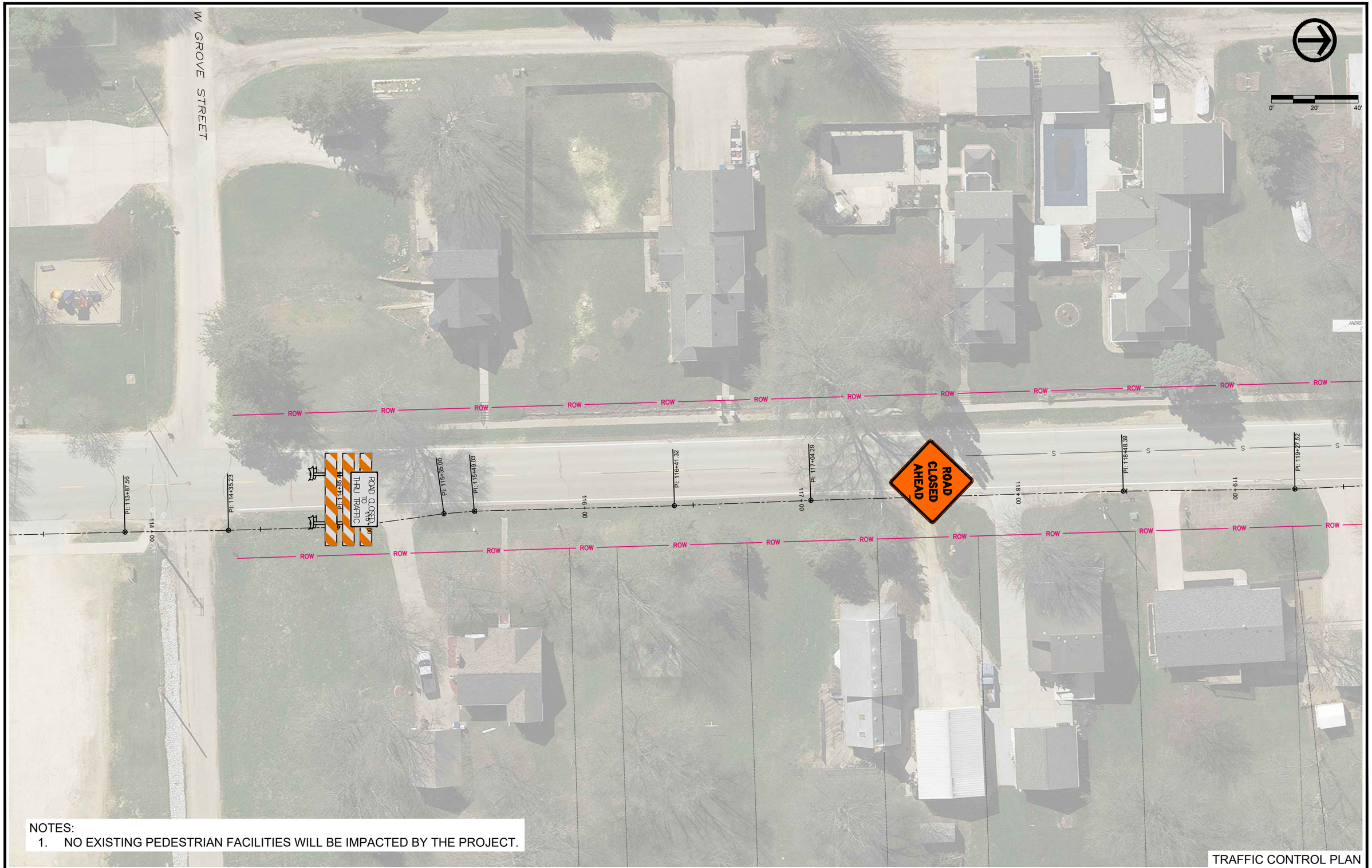
ROAD CLOSED

NOTES:
1. NO EXISTING PEDESTRIAN FACILITIES WILL BE IMPACTED BY THE PROJECT.

TRAFFIC CONTROL PLAN

ENGLISH	IOWA DOT	DESIGN TEAM	VEENSTRA & KIMM, INC.	SCOTT	COUNTY	PROJECT NUMBER	TAP-R-4497(603)--8T-82	SHEET NUMBER	J.06	REVISED

PLOTTED: Tuesday, September 15, 2026 4:09:11 PM FILE PATH: \\ROCIL-NASNIPO1.KLEINFELDER.COM\RISHARE\0500\0577-LONG_GROVE\0577-0028_1ST_ST_MULTI-USE_PATH_PHASE2_DESIGN_AND_PLANNING\CADD_PRODDRAWINGS\J - TRAFFIC CONTROL



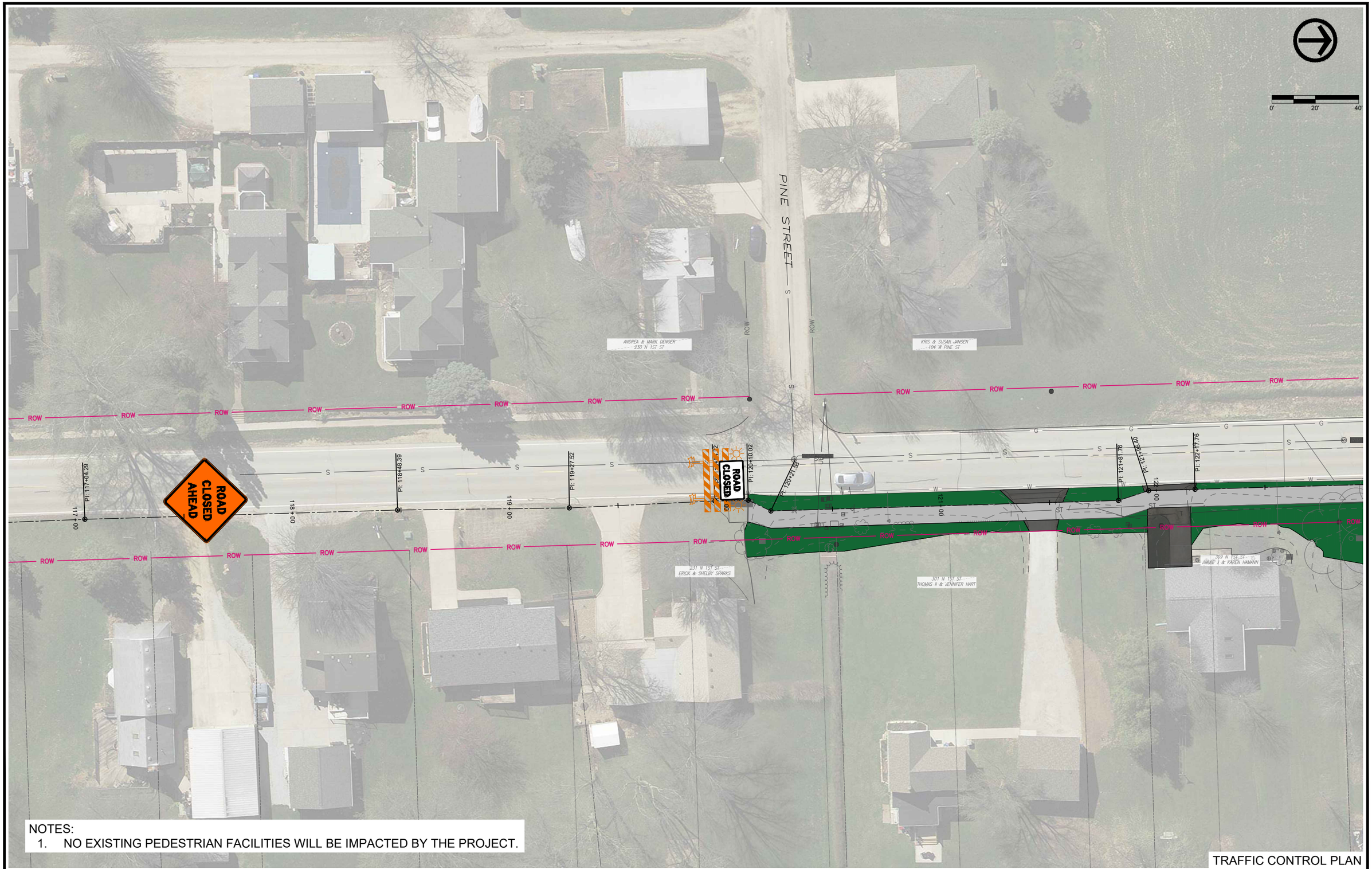
NOTES:

1. NO EXISTING PEDESTRIAN FACILITIES WILL BE IMPACTED BY THE PROJECT.

TRAFFIC CONTROL PLAN

ENGLISH	IOWA DOT	DESIGN TEAM	VEENSTRA & KIMM, INC.	SCOTT	COUNTY	PROJECT NUMBER	TAP-R-4497(603)--8T-82	SHEET NUMBER	J.07	REVISED

PLOTTED: Tuesday, September 15, 2026 4:12:52 PM FILE PATH: \\ROCIL-NASNIP01.KLEINFELDER.COM\RISHARE\0500\0577-LONG_GROVE\0577-0028_1ST_ST_MULTI-USE_PATH_PHASE2_DESIGN_AND_PLANNING\CADD_PRODDRAWINGS\J - TRAFFIC CONTROL



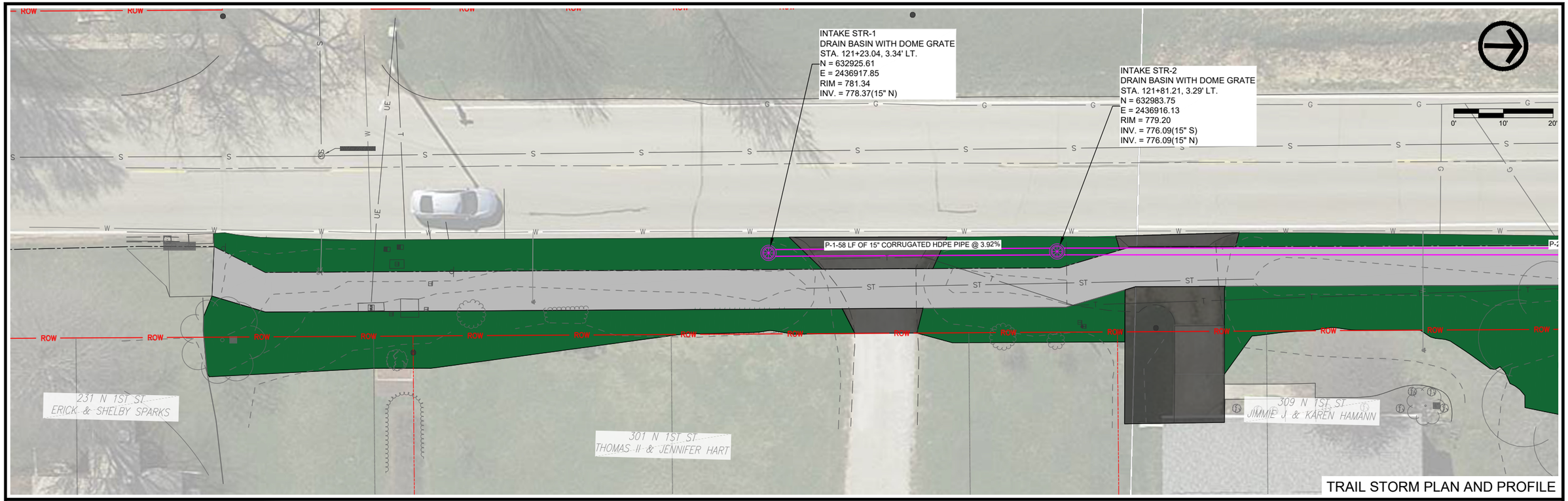
NOTES:

1. NO EXISTING PEDESTRIAN FACILITIES WILL BE IMPACTED BY THE PROJECT.

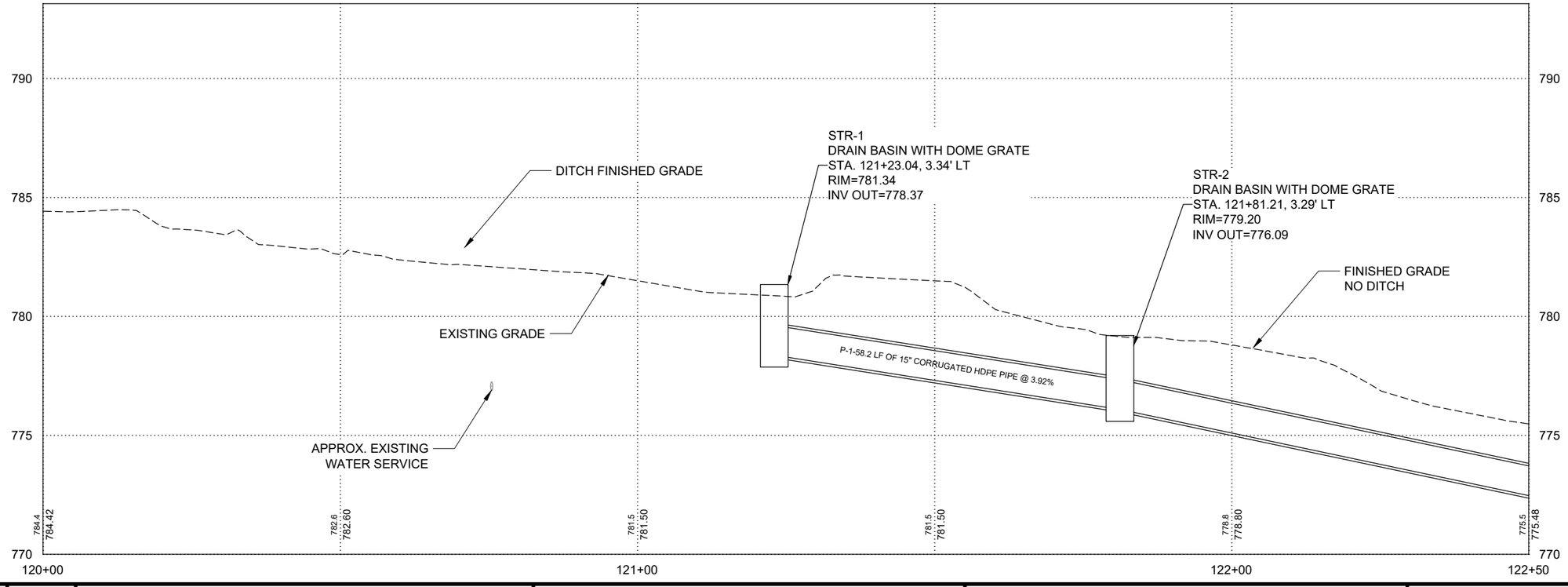
TRAFFIC CONTROL PLAN

ENGLISH	IOWA DOT	DESIGN TEAM	VEENSTRA & KIMM, INC.	SCOTT	COUNTY	PROJECT NUMBER	TAP-R-4497(603)--8T-82	SHEET NUMBER	J.08	REVISED

PLOTTED: Tuesday, September 15, 2026 4:02:53 PM FILE PATH: \\ROCIL-NASNIP01.KLEINFELDER.COM\RISHARE\0500\0577-LONG_GROVE\0577-0028_1ST_ST_MULTI-USE_PATH_PHASE2_DESIGN_AND_PLANNING\CADD_PRODDRAWINGS\J - TRAFFIC CONTROL



TRAIL STORM PLAN AND PROFILE

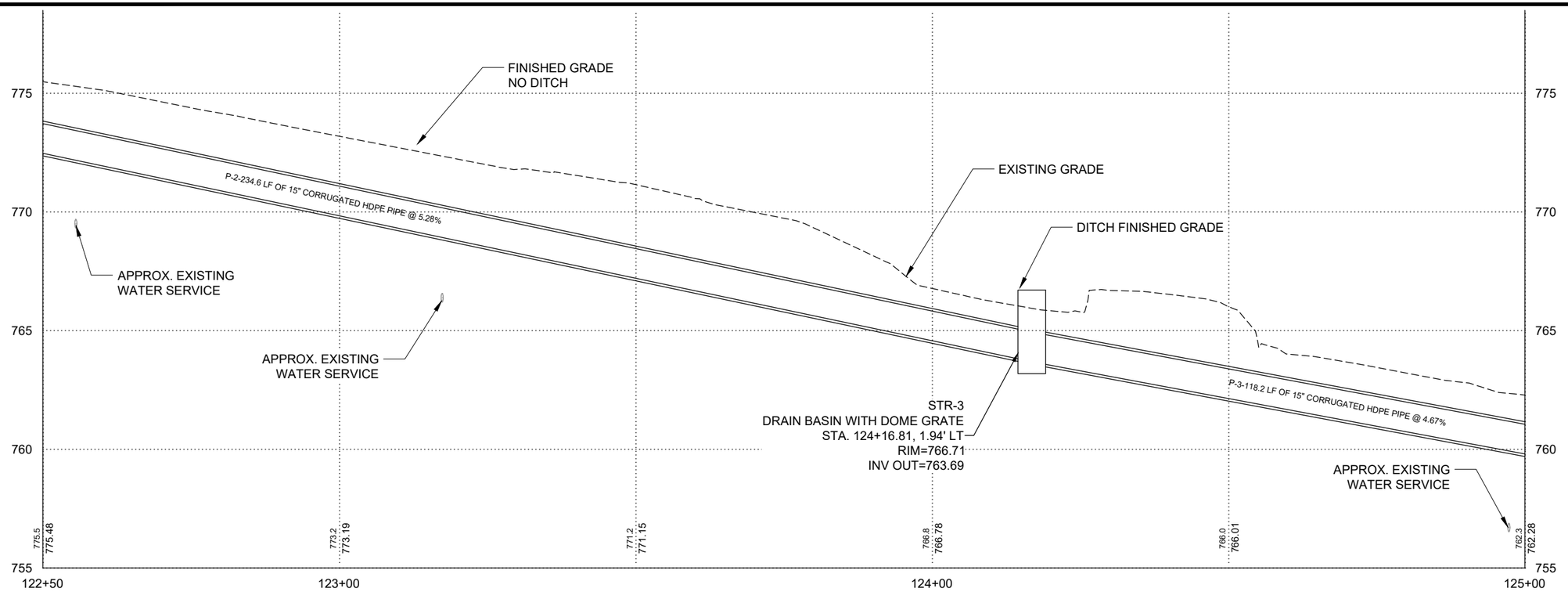


ENGLISH	IOWA DOT	DESIGN TEAM	VEENSTRA & KIMM, INC.	SCOTT	COUNTY	PROJECT NUMBER	TAP-R-4497(603)--8T-82	SHEET NUMBER M.01	REVISED

PLOTTED: Tuesday, September 15, 2026 4:08:12 PM FILE PATH: \\ROCIL-NASNIP01.KLEINFELDER.COM\RISHARE\0500\0577-LONG_GROVE\0577-0028_1ST_ST_MULTI-USE_PATH_PHASE2_DESIGN_AND_PLANNING\CADD_PRODDRAWINGS\M - STORM PLAN AND PROFILES

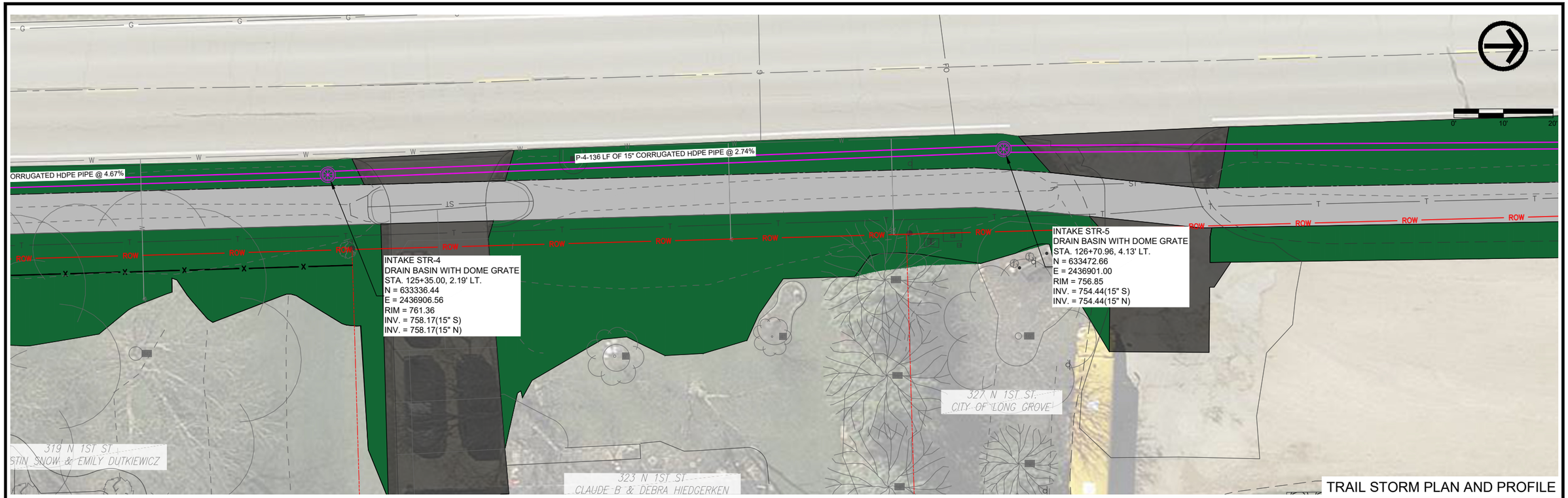


TRAIL STORM PLAN AND PROFILE

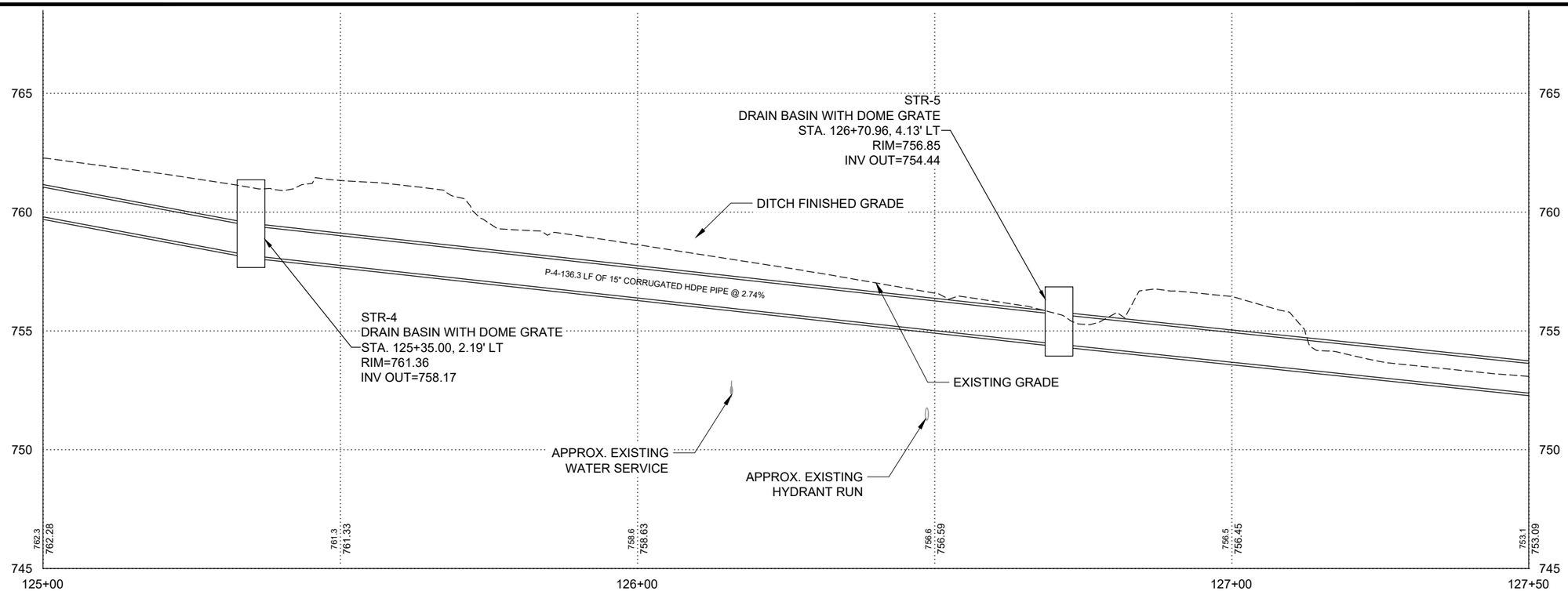


ENGLISH	IOWA DOT	DESIGN TEAM	VEENSTRA & KIMM, INC.	SCOTT	COUNTY	PROJECT NUMBER	TAP-R-4497(603)--8T-82	SHEET NUMBER M.02	REVISED

PLOTTED: Tuesday, September 15, 2026 4:12:35 PM FILE PATH: \\ROCIL-NASNIP01.KLEINFELDER.COM\RISHARE\0500\0577-LONG_GROVE\0577-0028_1ST_ST_MULTI-USE_PATH_PHASE2_DESIGN_AND_PLANNING\CADD_PRODDRAWINGS\M - STORM PLAN AND PROFILES

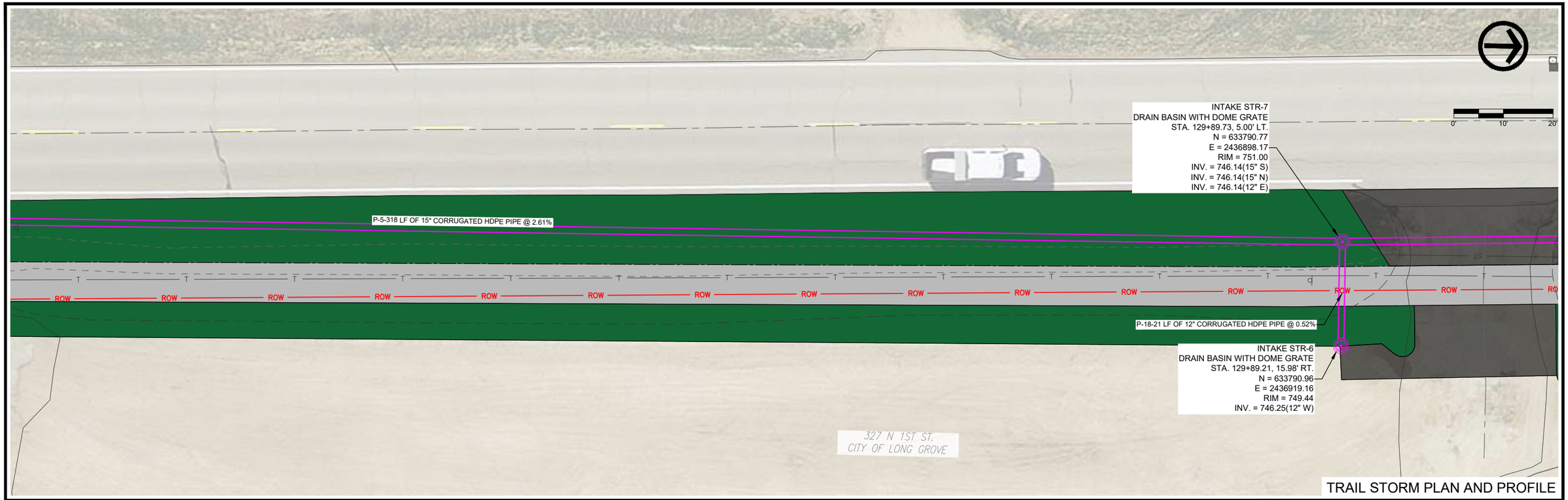


TRAIL STORM PLAN AND PROFILE

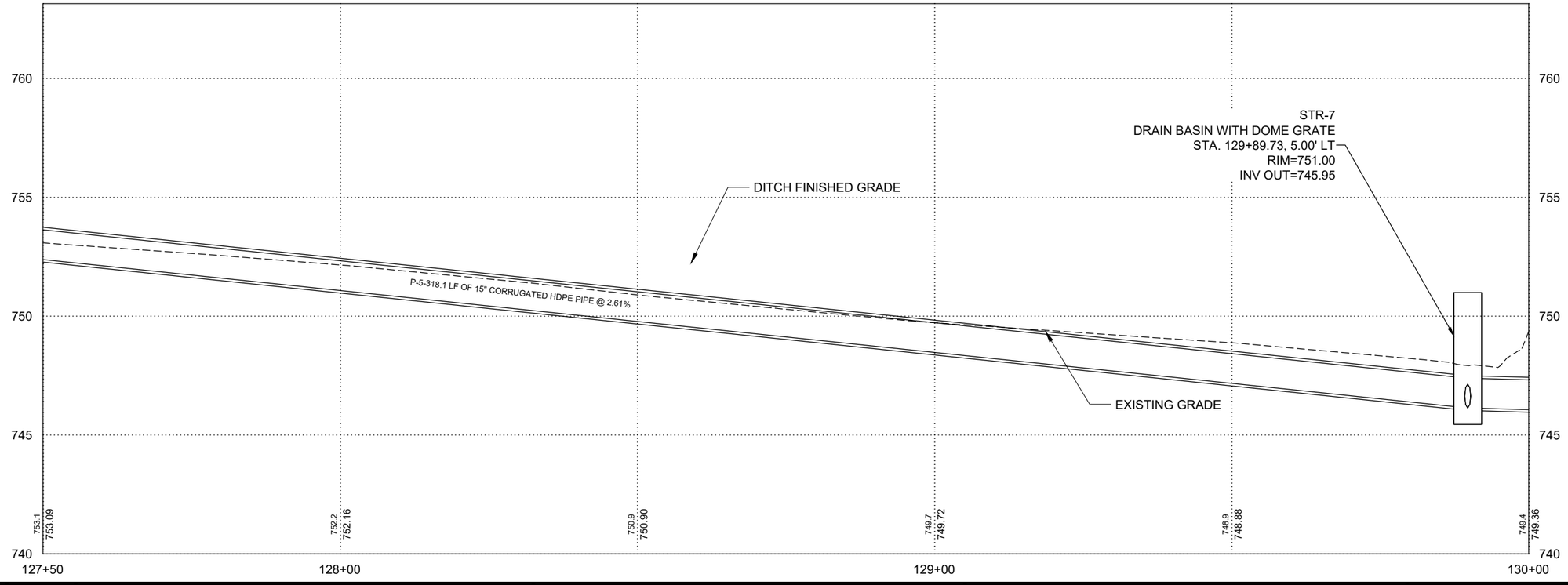


ENGLISH	IOWA DOT	DESIGN TEAM	VEENSTRA & KIMM, INC.	SCOTT	COUNTY	PROJECT NUMBER	TAP-R-4497(603)--8T-82	SHEET NUMBER M.03	REVISED

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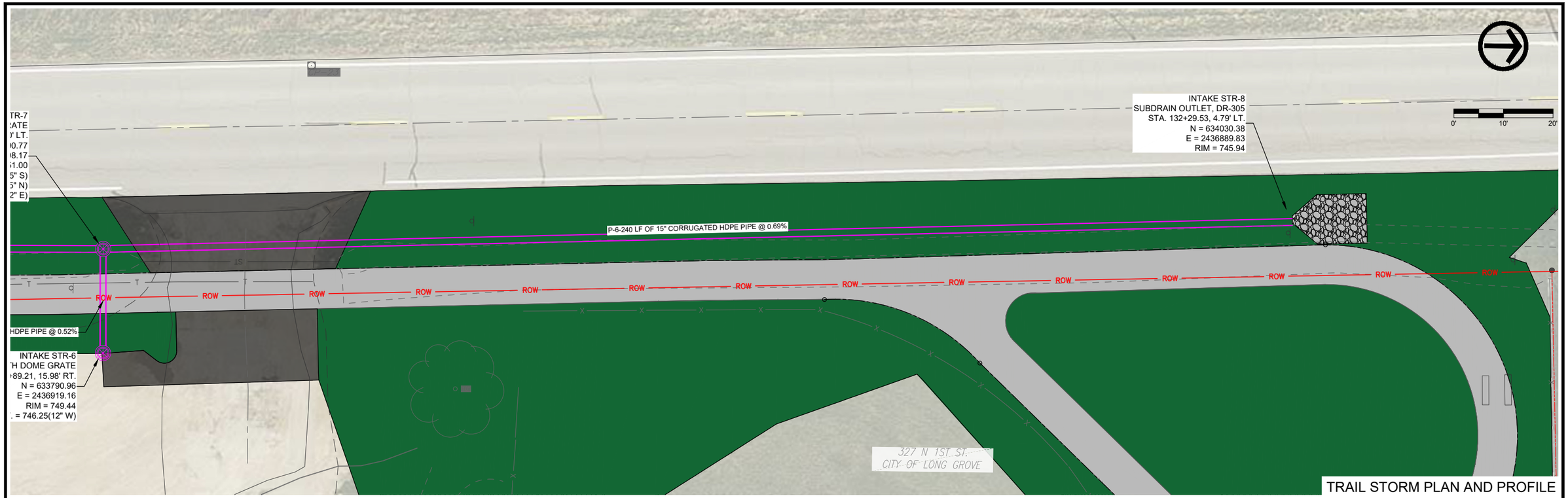


TRAIL STORM PLAN AND PROFILE

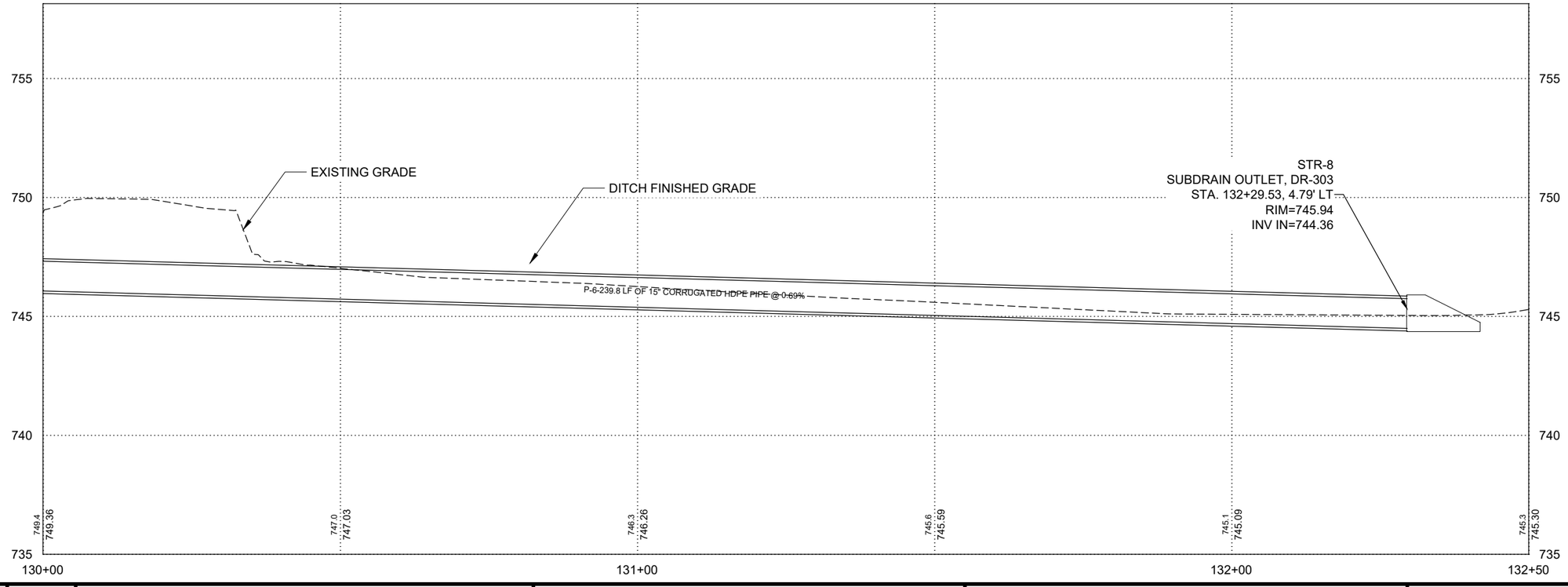


ENGLISH	IOWA DOT	DESIGN TEAM	VEENSTRA & KIMM, INC.	SCOTT	COUNTY	PROJECT NUMBER	TAP-R-4497(603)--8T-82	SHEET NUMBER M.04	REVISED

PLOTTED: Tuesday, September 15, 2026 4:07:50 PM FILE PATH: \\ROCIL-NASNIP01.KLEINFELDER.COM\RISHARE\0500\0577-LONG_GROVE\0577-0028_1ST_ST_MULTI-USE_PATH_PHASE2_DESIGN_AND_PLANNING\CADD_PRODDRAWINGS\M - STORM PLAN AND PROFILES



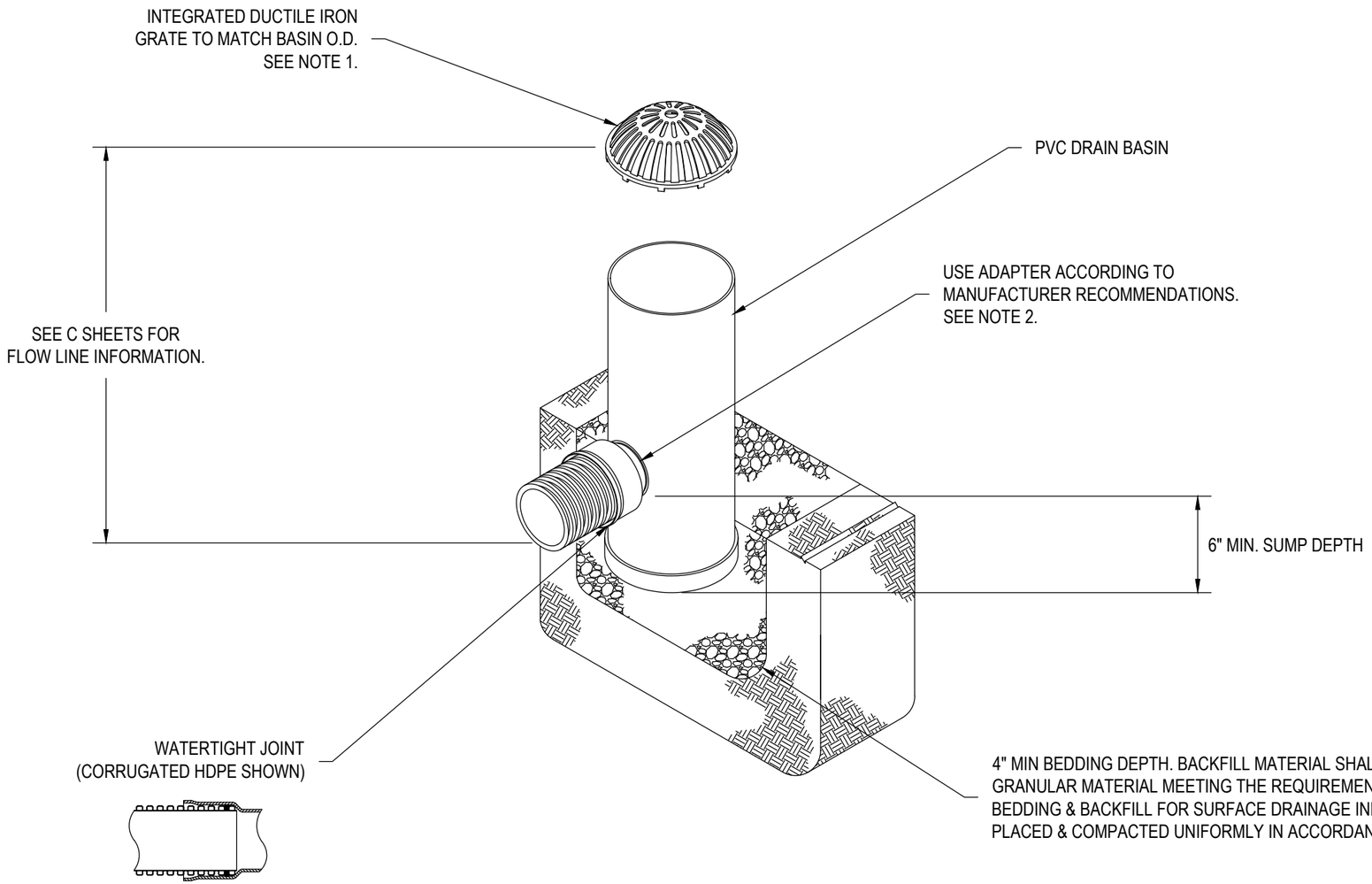
TRAIL STORM PLAN AND PROFILE



ENGLISH	IOWA DOT	DESIGN TEAM	VEENSTRA & KIMM, INC.	SCOTT	COUNTY	PROJECT NUMBER	TAP-R-4497(603)--8T-82	SHEET NUMBER M.05	REVISED

PLOTTED: Tuesday, September 15, 2026 4:11:31 PM FILE PATH: \\ROCIL-NASNIP01.KLEINFELDER.COM\RISHARE\0500\0577-LONG_GROVE\0577-0028_1ST_ST_MULTI-USE_PATH_PHASE2_DESIGN_AND_PLANNING\CADD_PRODDRAWINGS\M - STORM PLAN AND PROFILES

DRAIN BASIN WITH DOME GRATE



1 - DOME GRATES SHALL BE DUCTILE IRON MEETING REQUIREMENTS OF ASTM A536.
2 - DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM F477 PER SECTION 4020.

TRAIL STORM DETAILS

ENGLISH	IOWA DOT	DESIGN TEAM	VEENSTRA & KIMM, INC.	SCOTT	COUNTY	PROJECT NUMBER	TAP-R-4497(603)--8T-82	SHEET NUMBER	M.06	REVISED

POLLUTION PREVENTION PLA

Add Data

This Data Entry Sheet fills Tab 110-12 effective 10-20-20

This project is regulated by the requirements of the Iowa Department of Natural Resources (DNR) National Pollutant Discharge Elimination System (NPDES) General Permit No. 2 OR an Iowa Department of Natural Resources (DNR) National Pollutant Discharge Elimination System (NPDES) individual storm water permit. The Contractor shall carry out the terms and conditions of this permit and the Pollution Prevention Plan (PPP).

This Base PPP includes information on Roles and Responsibilities, Project Site Description, Controls, Maintenance Procedures, Inspection Requirements, Non-Storm Water Controls, Potential Sources of Off Right-of-Way Pollution, and Definitions. This plan references other documents rather than repeating the information contained in the documents. A copy of this Base Pollution Prevention Plan, amended as needed during construction, will be readily available for review.

All contractors shall conduct their operations in a manner that controls pollutants, minimizes erosion, and prevents sediments from entering waters of the state and leaving the highway right-of-way. The Contractor shall be responsible for compliance and implementation of the PPP for their entire contract. This responsibility shall be further shared with subcontractors whose work is a source of potential pollution as defined in this PPP.

I. ROLES AND RESPONSIBILITES

A. Designer:
1. Prepares Base PPP included in the project plan.
2. Prepares Notice of Intent (NOI) submitted to Iowa DNR.
3. Is signature authority on the Base PPP. If consultant designed, signature from Contracting Authority is also required.

B. Contractor:
1. Signs a co-permittee certification statement adhering to the requirements of the NPDES permit and this PPP. All co-permittees are legally required under the Clean Water Act and the Iowa Administrative Code to ensure compliance with the terms and conditions of this PPP.
2. Designates a Water Pollution Control Manager (WPCM), who has the duties and responsibilities as defined in Section 2602 of the Standard Specifications.
3. Submits an Erosion Control Implementation Plan (ECIP) and ECIP updates according to Section 2602 of the Standard Specifications.
4. Installs and maintains appropriate controls. This work may be subcontracted as documented through Subcontractor Request Forms (Form 830231).
5. Supervises and implements good housekeeping practices according to Paragraph III, C, 2.
6. Conducts joint required inspections of the site with inspection staff. When Contractor is not mobilized on site, Contractor may delegate this responsibility to a trained or certified subcontractor. Contracting Authority also may waive joint inspection requirement during winter shutdown. In both circumstances, WPCM (or trained or certified delegate from the Contractor) is still responsible to review and sign inspection reports.
7. Complies with training and certification requirements of Section 2602 of the Standard Specifications.
8. Submits amended PPP site map according to Section 2602 of the Standard Specifications.

C. Subcontractors:
1. Sign a co-permittee certification statement adhering to the requirements of the NPDES permit and this PPP if: responsible for sediment or erosion controls; involved in land disturbing activities; or perorming work that is a source of potential pollution as defined in this PPP. Subcontracted work items are identified in Subcontractor Request Forms (Form 830231). All co-permittees are legally required under the Clean Water Act and the Iowa Administrative Code to ensure compliance with the terms and conditions of this PPP.
2. Implement good housekeeping practices according to Paragraph III, C, 2.

D. RCE/Project Engineer:
1. Is Project Storm Water Manager.
2. On projects where DOT is the Contracting Authority, is current with erosion control training or certification.
3. Takes actions necessary to ensure compliance with storm water requirements including, where appropriate, issuing stop work orders, and directing additional inspections at construction project sites that are experiencing problems with achieving permit compliance.
4. Orders the taking of measures to cease, correct, prevent, or minimize the consequences of non-compliance with the storm water requirements of the Applicable Permit.
5. Supervises all work necessary to meet storm water requirements at the Project, including work performed by contractors and subcontractors.
6. Requires employees, contractors, and subcontractors to take appropriate responsive action to comply with storm water requirements, including requiring any such person to cease or correct a violation of storm water requirements, and to order or recommend such other actions as necessary to meet storm water requirements.
7. Is familiar with the Project PPP and storm water site map.
8. On projects where DOT is Contracting Authority, is responsible for periodically monitoring inspection reports to determine whether deficiencies identified in inspection reports were adequately and timely addressed, and if not, has the authority and responsibility to direct immediate actions to correct the deficiencies.
9. Is the point of contact for the Project for regulatory officials, Inspector, contractors, and subcontractors regarding storm water requirements.
10. Is signature authority on Notice of Discontinuation.
11. Maintains an up-to-date record of contractors, subcontractors, and subcontracted work items through Subcontractor Request Forms (Form 830231).
12. Makes information to determine permit compliance available to the DNR upon their request.

E. Inspector:
1. Updates PPP through fieldbook entries and storm water site inspection reports if there is a change in design, construction, operation, or maintenance which has a significant effect on the discharge of pollutants from the project.
2. Makes information to determine permit compliance available to the DNR upon their request.
3. Conducts joint required inspections of the site with the contractor/subcontractor.
4. Completes an inspection report after each inspection.
5. Is signature authority on storm water inspection reports.

II. PROJECT SITE DESCRIPTION

A. This Pollution Prevention Plan (PPP) is for the construction of a recreational trail.

B. This PPP covers approximately 5.5 acres with an estimated 1.0 acres being disturbed. The portion of the PPP covered by this contract has 1.0 acres disturbed.

C. The PPP is located in an area of Fayette and Tama-Muscatine-Downs soil associations.
The estimated weighted average runoff coefficient number for this PPP after completion will be 0.36.

D. Storm Water Site Map is located in the R sheets. Proposed slopes are shown in cross sections, details, or standard road plans. Supplemental information is located in the Tabulations in the C or CE sheets.

E. The base storm water site map is amended by contract modifications and progress payments (fieldbook entries) of completed erosion control work. Also, due to project phasing, erosion and sediment controls shown on project plans may not be installed until needed, based on site conditions. For example, silt fence ditch checks will typically not be installed until the ditch has been installed. Installed locations may also be modified from tabulation locations by field staff. Installed locations will be documented by fieldbook entries and amended PPP site map.

F. Runoff from this work will flow into unnamed ditch to Mason Creek or McDonald Creek to Wapsipinicon River.

III. CONTROLS

A. The Contractor's ECIP specified in Article 2602.03 of the Standard Specifications for accomplishment of storm water controls should clearly describe the intended sequence of major activities, and for each activity define the control measure and the timing during the construction process that the measure will be implemented.

B. Preserve vegetation in areas not needed for construction.

C. Sections 2601 and 2602 of the Standard Specifications define requirements to implement erosion and sediment control measures. Actual quantities used and installed locations may vary from the Base PPP and amendment of the plan will be documented via fieldbook entries, amended PPP site map, or by contract modification. Additional erosion and sediment control items may be required as determined by the inspector and/or contractor during storm water site inspections. If the work involved is not applicable to any contract items, the work will be paid for according to Article 1109.03 paragraph B of the Standard Specifications.

1. EROSION AND SEDIMENT CONTROLS

a. Stabilization Practices
1) Site plans will ensure that existing vegetation or natural buffers are preserved where attainable and disturbed portions of the site will be stabilized.
2) Initialize stabilization of disturbed areas immediately after clearing, grading, excavating, or other earth disturbing activities have:
a) Permanently ceased on any portion of the site, or
b) Temporarily ceased on any portion of the site and will not resume for a period exceeding 14 calendar days.
3) Staged permanent and/or temporary stabilizing seeding and mulching shall be completed as the disturbed areas are completed. Incomplete areas shall be stabilized according to paragraph III, C, 1, a, 2, b above.
4) Permanent and Temporary Stabilization practices to be used for this project are located in the storm water site map, Estimated Project Quantities (100-0A, 100-1A, or 100-1C), and Estimate Reference Information (100-4A) located in the C or R sheets. Typical drawings detailing construction of the practices to be used on this project are referenced in the Standard Road Plans Tabulation (105-4) in the C or R sheets.
5) Preservation of existing vegetation within right-of-way or easements will act as vegetative buffer strips.
6) Preservation of topsoil: Bid items to be used for this project are located in the Estimated Project Quantities (100-0A, 100-1A, or 100-1C) and Estimate Reference Information (100-4A) located in the C or R sheets. Additional information may be found in the Tabulations in the C or T Tabulation sheets, or is referenced in Section 2105 of the Standard Specifications.

b. Structural Practices
1) Structural practices will be implemented to divert flows from exposed soils and detain or otherwise limit runoff and the discharge of pollutants from exposed areas of the site. Additionally, structural practices may include: silt basins that provide 3600 cubic feet of storage per acre drained or equivalent sediment controls, outlet structures that withdraw water from surface when discharging basins, and controls to direct storm water to vegetated areas.
2) Structural practices to be used for this project are located in the storm water site map, Estimated Project Quantities (100-0A, 100-1A, or 100-1C), and Estimate Reference Information (100-4A) located in the C or R sheets, as well as all other item specific Tabulations. Typical drawings detailing construction of the devices to be used on this project can be found on the B or R sheets or are referenced in the Standard Road Plans Tabulation (105-4) located in the C or R sheets.

c. Storm Water Management
Measures shall be installed during the construction process to control pollutants in storm water discharges that will occur after construction operations have been completed. This may include velocity dissipation devices at discharge locations and along length of outfall channel as necessary to provide a non-erosion velocity flow from structure to water course. If included with this project, these items are located in the storm water site map and Estimated Project Quantities (100-0A, 100-1A, or 100-1C) and Estimate Reference Information (100-4A) located in the C or R sheets, as well as all other item specific Tabulations. Typical drawings detailing construction of the practices to be used on this project are referenced in the Standard Road Plans Tabulation. The installation of these devices may be subject to Section 404 of the Clean Water Act.

2. OTHER CONTROLS
Contractor disposal of unused construction materials and construction material wastes shall comply with applicable state and local waste disposal, sanitary sewer, or septic system regulations. In the event of a conflict with other governmental laws, rules and regulations, the more restrictive laws, rules or regulations shall apply.
a. Vehicle Entrances and Exits - Construct and maintain entrances and exits to prevent tracking of sediments onto roadways.
b. Material Delivery, Storage and Use - Implement practices to prevent discharge of construction materials during delivery, storage, and use.
c. Stockpile Management - Install controls to reduce or eliminate pollution of storm water from stockpiles of soil and paving.
d. Waste Disposal - Do not discharge any materials, including building materials, into waters of the state, except as authorized by a Section 404 permit.
e. Spill Prevention and Control - Implement chemical spill and leak prevention and response procedures to contain and clean up spills and prevent material discharges to the storm drain system and waters of the state.
f. Concrete Residuals and Washout Wastes - Waste shall not be discharged to a surface water and is not allowed to adversely affect a water of the state. Designate temporary concrete washout facilities for rinsing out concrete trucks. Provide directions to truck drivers where designated washout facilities are located. Designated washout areas should be located at least 50 feet away from storm drains, streams or other water bodies. Care should be taken to ensure these facilities do not overflow during storm events.
g. Concrete Grooving/Grinding Slurry - Do not discharge slurry to a waterbody or storm drain. Slurry may be applied on foreslopes or removed from the project.
h. Vehicle and Equipment Storage and Maintenance Areas - Perform on site fueling and maintenance in accordance with all environment laws such as proper storage of onsite fuels and proper disposal of used engine oil or other fluids on site. Employ washing practices that prevent contamination of surface and ground water from wash water. Wash waters must be treated in a sediment basin or alternative control that provides equivalent or better treatment prior to discharge.
i. Litter Management - Ensure employees properly dispose of litter. Minimize exposure of trash if exposure to precipitation or storm water would result in a discharge of pollutants.
j. Dewatering - Properly treat water to remove suspended sediment before it re-enters a waterbody or discharges off-site. Measures are also to be taken to prevent scour erosion at dewatering discharge point.

3. APPROVED STATE OR LOCAL PLANS
During the course of this construction, it is possible that situations will arise where unknown materials will be encountered. When such situations are encountered, they will be handled according to all federal, state, and local regulations in effect at the time.

IV. MAINTENANCE PROCEDURES

The Contractor is required to maintain all temporary erosion and sediment control measures in proper working order, including cleaning, repairing, or replacing them throughout the contract period. This shall begin when the features have lost 50% of their capacity.

V. INSPECTION REQUIREMENTS

A. Inspections shall be made jointly by the Contractor and the Contracting Authority's inspector at least once every seven calendar days. Storm water site inspections will include:
1. Date of the inspection.
2. Summary of the scope of the inspection.
3. Name and qualifications of the personnel making the inspection.
5. Review of erosion and sediment control measures within disturbed areas for the effectiveness in preventing impacts to receiving waters.
6. Major observations related to the implementation of the PPP.
7. Identification of corrective actions required to maintain or modify erosion and sediment control measures.

B. Include storm water site inspection reports in the Amended PPP. Incorporate any additional erosion and sediment control measures determined as a result of the inspection. Immediately begin corrective actions on all deficiencies found within 3 calendar days of the inspection and complete within 7 calendar days following the inspection. If it is determined that making the corrections less than 72 hours after the inspection is impracticable, it should be documented why it is impracticable and indicate an estimated date by which the corrections will be made.

VI. NON-STORM WATER DISCHARGES

This includes subsurface drains (i.e. longitudinal and standard subdrains) and slope drains. The velocity of the discharge from these features may be controlled by the use of headwalls or blocks, Class A stone, erosion stone or other appropriate materials. This also includes uncontaminated groundwater from dewatering operations, which will be controlled as discussed in Section III of the PPP.

VII. POTENTIAL SOURCES OF OFF RIGHT-OF-WAY (ROW) POLLUTION

Silts, sediment, and other forms of pollution may be transported onto highway right-of-way (ROW) as a result of a storm event. Potential sources of pollution located outside highway ROW are beyond the control of this PPP. Pollution within highway ROW will be conveyed and controlled per this PPP.

VIII. DEFINITIONS

A. Base PPP - Initial Pollution Prevention Plan.

B. Amended PPP - Base PPP amended during construction. May include Plan Revisions or Contract Modifications for new items, storm water site inspection reports, fieldbook entries made by the inspector, amended PPP site map by the Contractor, ECIP, NOI, co-permittee certifications, and Subcontractor Request Forms. Items amending the PPP are stored electronically and are readily available upon request.

C. Fieldbook Entries - This contains the inspector's daily diary and bid item postings.

D. Controls - Methods, practices, or measures to minimize or prevent erosion, control sedimentation, control storm water, or minimize contaminants from other types of waste or materials. Also called Best Management Practices (BMPs).

E. Signature Authority - Representative authorized to sign various storm water documents.

CERTIFICATION STATEMENT

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature

Jason L. McKenzie
Printed or Typed Name

Signature

Lucas Syoen
Printed or Typed Name

POLLUTION PREVENTION PLAN

ENGLISH	IOWA DOT	DESIGN TEAM	VEENSTRA & KIMM, INC.	SCOTT	COUNTY	PROJECT NUMBER	TAP-R-4497(603)--8T-82	SHEET NUMBER RC.01	REVISED

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			Totals:	1531.0	0.0	0.0	156.0	0.0	

PERIMETER, SLOPE AND DITCH CHECK SEDIMENT CONTROL DEVICES

Possible Standards: EC-204

This Data Entry Sheet fills Tab 100-19 effective 10-19-21

Location			Perimeter and Slope			Ditch Check		Remarks
			Length of Installation			Length of Installation		
Begin Station	End Station	Side	9 inch Dia	12 inch Dia	20 inch Dia	12 inch Dia	20 inch Dia	
			LF	LF	LF	LF	LF	
120+10.02	121+37.74	RT	132					
120+77.00		LT				7		
121+21.23		LT				7		
121+52.79	122+05.24	RT	59					
121+79.44		LT				7		
122+15.62	123+33.38	RT	146					
122+17.76	123+30.8	LT	112					
123+69.98	124+35.7	RT	121					
124+20.00						7		
124+46.84	125+45.83	RT	171					
124+63.00		LT				7		
124+98.00		LT				7		
125+32.82		LT				7		
125+68.13	126+89.41	RT	181					
126+18.00		LT				7		
126+63.00		LT				7		
127+13.23	130+04.07	RT	305					
127+48.00		LT				13		
128+08.00		LT				15		
128+68.00		LT				15		
129+28.00		LT				16		
129+88.00		LT				16		
130+32.62	134+48.25	RT	304					
131+44.00		LT				16		
132+44.00		LT				16		

ANDREA & MARK DENGER
230 N 1ST ST

KRIS & SUSAN JANSEN
104 W PINE ST

0' 10' 20'

INSTALL 7 LF OF 12" DITCH CHECK

INSTALL 7.58 SQ OF SOD AND TOPSOIL

INSTALL 7 LF OF 12" DITCH CHECK

INSTALL INLET PROTECTION

INSTALL 2.07 SQ OF SOD AND TOPSOIL

INSTALL 7 LF OF 12" DITCH CHECK

INSTALL INLET PROTECTION

INSTALL 132 LF OF 9" PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE

INSTALL 11.49 SQ OF SOD AND TOPSOIL

INSTALL 59 LF OF 9" PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE

INSTALL 3.05 SQ OF SOD AND TOPSOIL

231 N 1ST ST
ERICK & SHELBY SPARKS

301 N 1ST ST
THOMAS II & JENNIFER HART

309 N 1ST ST
& KAREN HAMANN

EROSION CONTROL PLAN

ENGLISH	IOWA DOT	DESIGN TEAM	VEENSTRA & KIMM, INC.	SCOTT	COUNTY	PROJECT NUMBER	TAP-R-4497(603)--8T-82	SHEET NUMBER RR.01	REVISED

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INSTALL 2.07 SQ OF SOD AND TOPSOIL

INSTALL 7 LF OF 12" DITCH CHECK

INSTALL INLET PROTECTION

12" DITCH CHECK

PROTECTION

INSTALL 2.46 SQ OF SOD AND TOPSOIL

INSTALL 112 LF OF 9" PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE

INSTALL 1.76 SQ OF SOD AND TOPSOIL

INSTALL 7 LF OF 12" DITCH

INSTALL INLET PROTECTIC

INSTALL 59 LF OF 9" PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE

INSTALL 3.05 SQ OF SOD AND TOPSOIL

INSTALL 146 LF OF 9" PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE

INSTALL 19.93 SQ OF SOD AND TOPSOIL

INSTALL 8.75 SQ OF SOD AND TOPSOIL

INSTALL 121 LF OF 9" PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE

309 N 1ST ST
& KAREN HAMANN

N 1ST ST
KIMBERLY & CLAYTON MOHR

NO ADDRESS
BEVERLY A
SEGHERS TRUST

0' 10' 20'

EROSION CONTROL PLAN

ENGLISH	IOWA DOT	DESIGN TEAM	VEENSTRA & KIMM, INC.	SCOTT	COUNTY	PROJECT NUMBER	TAP-R-4497(603)--8T-82	SHEET NUMBER RR.02	REVISED

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INSTALL 1.76 SQ OF SOD AND TOPSOIL

INSTALL 7 LF OF 12" DITCH CHECK

INSTALL INLET PROTECTION

INSTALL 7 LF OF 12" DITCH CHECK

INSTALL 4.26 SQ OF SOD AND TOPSOIL

INSTALL 7 LF OF 12" DITCH CHECK

INSTALL 7 LF OF 12" DITCH CHECK

INSTALL INLET PROTECTION

INSTALL 6.98 SQ OF SOD AND TOPSOIL

INSTALL 7 LF OF 12" DITCH CHECK

INSTALL 7 LF

INSTALL

INSTALL 8.75 SQ OF SOD AND TOPSOIL

INSTALL 121 LF OF 9" PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE

INSTALL 171 LF OF 9" PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE

INSTALL 20.52 SQ OF SOD AND TOPSOIL

INSTALL 24.12 SQ OF SOD AND TOPSOIL

INSTALL 181 LF OF 9" PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE

NO ADDRESS
BEVERLY A
SEGHERS TRUST

319 N 1ST ST
AUSTIN SNOW & EMILY DUTKIEWICZ

323 N 1ST ST
CLAUDE B & DEBRA HIEDGERKEN

327 N 1ST ST
CITY OF LONG GROVE

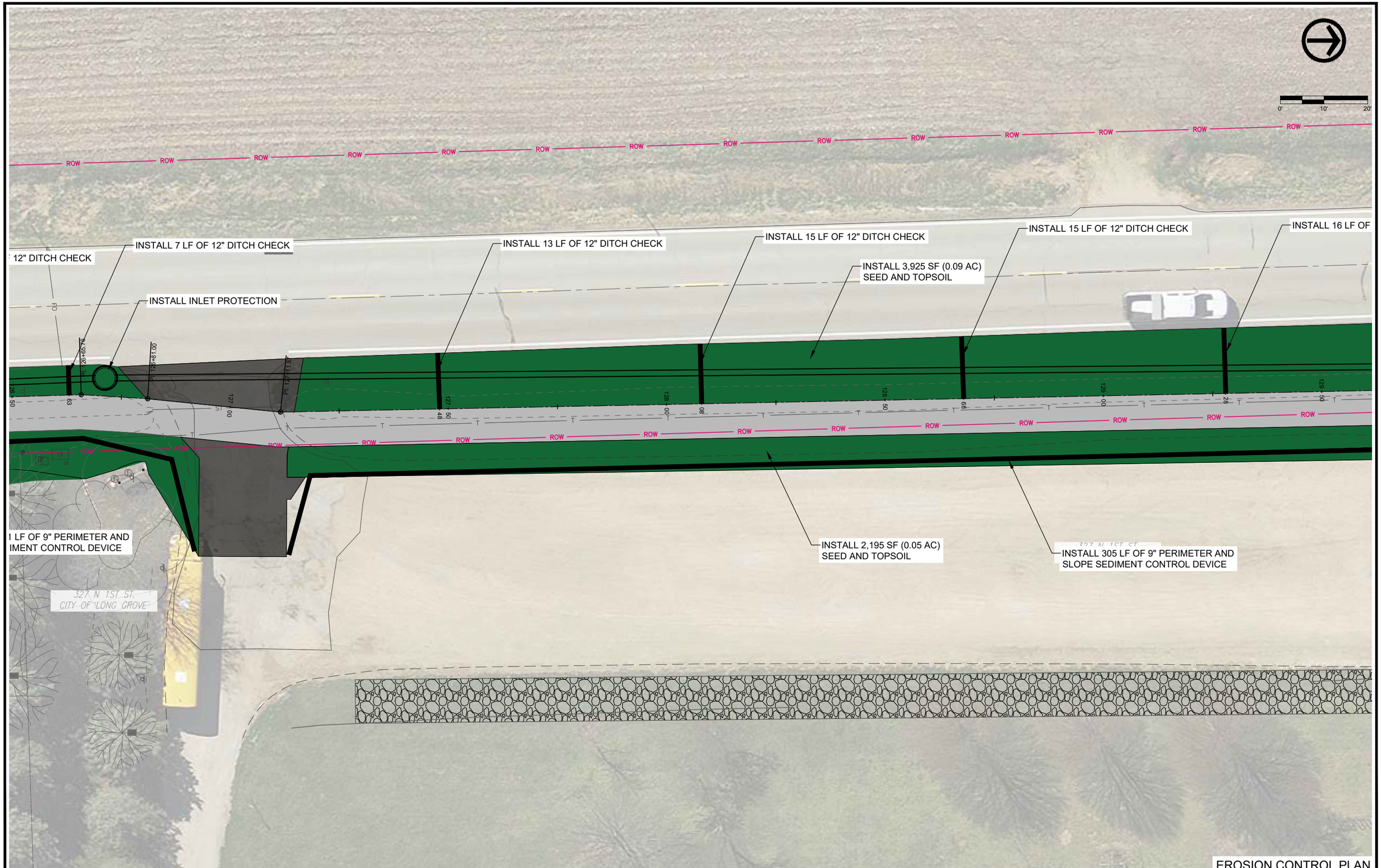
ROW

0' 10' 20'

EROSION CONTROL PLAN

ENGLISH	IOWA DOT	DESIGN TEAM	VEENSTRA & KIMM, INC.	SCOTT	COUNTY	PROJECT NUMBER	TAP-R-4497(603)--8T-82	SHEET NUMBER RR.03	REVISED

PLOTTED: Tuesday, September 15, 2026 4:03:18 PM FILE PATH: \\ROCIL-NASNIP01.KLEINFELDER.COM\RISHARE\0500\0577-LONG_GROVE\0577-0028_1ST_ST_MULTI-USE_PATH_PHASE2_DESIGN_AND_PLANNING\CADD_PRODDRAWINGS\RR - EROSION CONTROL



ENGLISH	IOWA DOT	DESIGN TEAM	VEENSTRA & KIMM, INC.	SCOTT	COUNTY	PROJECT NUMBER	TAP-R-4497(603)--8T-82	SHEET NUMBER RR.04	REVISED

PLOTTED: Tuesday, September 15, 2026 4:02:34 PM FILE PATH: \\ROCIL-NASNIP01.KLEINFELDER.COM\RISHARE\0500\0577-LONG_GROVE\0577-0028_1ST_ST_MULTI-USE_PATH_PHASE2_DESIGN_AND_PLANNING\CADD_PRODDRAWINGS\RR - EROSION CONTROL

INSTALL 16 LF OF 12" DITCH CHECK

INSTALL 16 LF OF 12" DITCH CHECK

INSTALL INLET PROTECTION

INSTALL 16 LF OF 12" DITCH CHECK

INSTALL 304 LF OF 9" PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE

AND
ICE

EROSION CONTROL PLAN

ENGLISH	IOWA DOT	DESIGN TEAM	VEENSTRA & KIMM, INC.	SCOTT	COUNTY	PROJECT NUMBER	TAP-R-4497(603)--8T-82	SHEET NUMBER RR.05	REVISED

PLOTTED: Tuesday, September 15, 2026 4:05:55 PM FILE PATH: \\ROCIL-NASNIP01.KLEINFELDER.COM\RISHARE\0500\0577-LONG_GROVE\0577-0028_1ST_ST_MULTI-USE_PATH_PHASE2_DESIGN_AND_PLANNING\CADD_PRODDRAWINGS\RR - EROSION CONTROL

INSTALL 16 LF OF 12" DITCH CHECK

INSTALL 16 LF OF 12" DITCH CHECK

INSTALL 10,083 SF (0.23 AC)
SEED AND TOPSOIL
FROM DRIVEWAY AROUND TRAIL

INSTALL 1,363 SF (0.03 AC)
SEED AND TOPSOIL

INSTALL 304 LF OF 9" PERIMETER AND
SLOPE SEDIMENT CONTROL DEVICE

307 N 1ST ST.
LONG GROVE

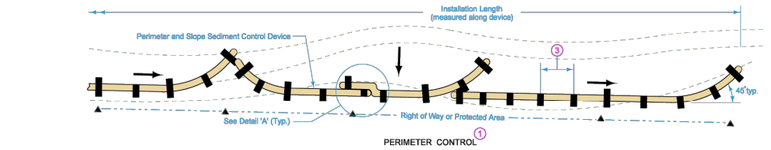
0' 10' 20'

EROSION CONTROL PLAN

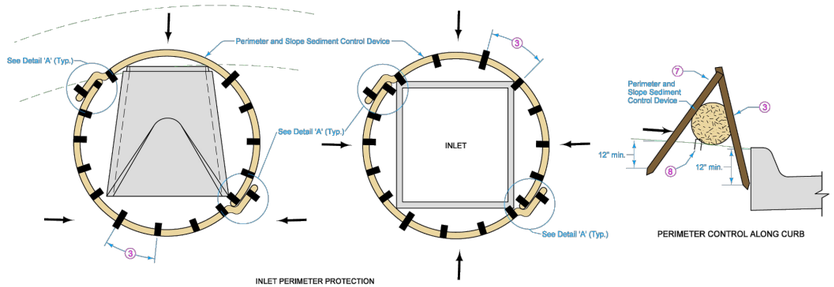
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PLOTTED: Tuesday, September 15, 2026 4:05:55 PM FILE PATH: \\ROCIL-NASNIP01.KLEINFELDER.COM\RISHARE\0500\0577-LONG_GROVE\0577-0028_1ST_ST_MULTI-USE_PATH_PHASE2_DESIGN_AND_PLANNING\CADD_PRODDRAWINGS\RR - EROSION CONTROL

DESIGNER INFORMATION

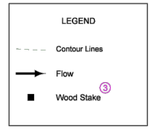


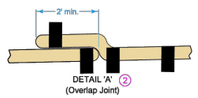
PERIMETER CONTROL

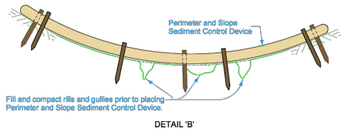


INLET PERIMETER PROTECTION

PERIMETER CONTROL ALONG CURB







DETAIL 'B'

Not intended for use in perennial or intermittent streams.

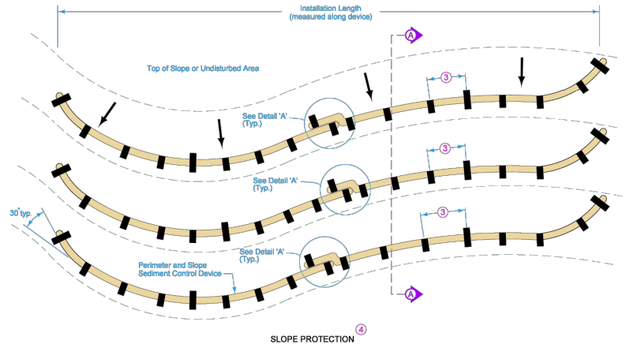
Fill and compact rills and gullies (see Detail 'B') prior to placing Perimeter and Slope Sediment Control Device. Ensure ground surface is smooth in order to provide continuous contact with Perimeter and Slope Sediment Control Device. Minor ground shaping may be required. Filling and compacting rills and gullies, and minor ground shaping, is incidental to Perimeter and Slope Sediment Control Device.

1. Overlap joints per Detail 'A'. Turn the lower 10 feet of each run up the slope to help contain runoff. When placed such that runoff is conveyed along the device, additional run-ups and/or means may be required to reduce erosion along the device. Run-ups will be included in the installation length.
2. Extra material required to install overlaps will not be included in the installation length.
3. Install downslope stakes at 4 foot maximum spacing. Upslope stakes spaced at ends and middle of device. Use minimum actual stake size 3/4" x 3/4" wood stakes.
7. All stakes to be placed at approximatly 45 degree angle to ground.
8. Install staples every 2 feet on upslope side.

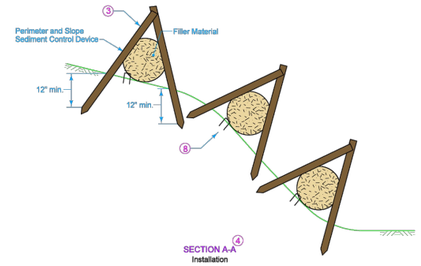
Possible Contract Item:
Perimeter and Slope Sediment Control Device
Ditch Check Sediment Control Device

Possible Tabulation:
100-19

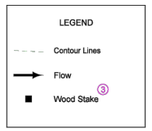
IOWA DOT
STANDARD ROAD PLAN
EC-204
REVISION 6 10-19-21
SHEET 1 of 3
REVISIONS: Changed labeling on Sheet 3.
APPROVED BY DESIGN METHODS ENGINEER
PERIMETER, SLOPE AND DITCH CHECK SEDIMENT CONTROL DEVICES



SLOPE PROTECTION 4

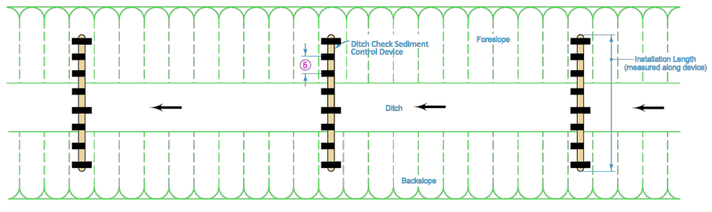


SECTION A-A 4
Installation

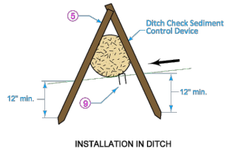


3. Install downslope stakes at 4 foot maximum spacing. Upslope stakes spaced at ends and middle of device. Use minimum actual stake size 3/4" x 3/4" wood stakes. Install staples every 2 feet on upslope side.
4. Install Slope Protection perpendicular to slope (parallel to contours). Overlap joints per Detail 'A'. Run the last 10 feet of each device up the slope to prevent flow runaround. Run-ups will be included in the installation length.
8. Install staples every 2 feet on upslope side.

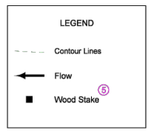
IOWA DOT
STANDARD ROAD PLAN
EC-204
REVISION 6 10-19-21
SHEET 2 of 3
REVISIONS: Changed labeling on Sheet 3.
APPROVED BY DESIGN METHODS ENGINEER
PERIMETER, SLOPE AND DITCH CHECK SEDIMENT CONTROL DEVICES



DITCH PROTECTION 6



INSTALLATION IN DITCH



5. Install downslope stakes at 2 foot maximum spacing. Upslope stakes spaced at ends and middle of device. Use minimum actual stake size 3/4" x 3/4" wood stakes.
6. Install Ditch Protection perpendicular to ditch. Overlap joints per Detail 'A'.
9. Install staples every 1 foot on upslope side.

IOWA DOT
STANDARD ROAD PLAN
EC-204
REVISION 6 10-19-21
SHEET 3 of 3
REVISIONS: Changed labeling on Sheet 3.
APPROVED BY DESIGN METHODS ENGINEER
PERIMETER, SLOPE AND DITCH CHECK SEDIMENT CONTROL DEVICES

EROSION CONTROL DETAILS

ENGLISH	IOWA DOT	DESIGN TEAM	VEENSTRA & KIMM, INC.	SCOTT	COUNTY	PROJECT NUMBER	TAP-R-4497(603)--8T-82	SHEET NUMBER RU.01	REVISED

PLOTTED: Tuesday, September 15, 2026 4:09:37 PM FILE PATH: \\ROCIL-NASNIP01.KLEINFELDER.COM\RISHARE\0500\0577-LONG_GROVE\0577-0028_1ST_ST_MULTI-USE_PATH_PHASE2_DESIGN_AND_PLANNING\CADD_PRODDRAWINGS\TITLE SHEET & DETAILS

Total Volume Table							
Station	Cut Area (SF)	Fill Area (SF)	Cut Vol (CY)	Fill Vol (CY)	Cumulative Cut Vol (CY)	Cumulative Fill Vol (CY)	Net Vol (CY)
120+19.82	6.33	11.19	0.00	0.00	0.00	0.00	0.00
120+25.00	3.30	13.96	0.84	6.42	0.84	6.42	-5.58
120+53.70	1.20	6.58	2.39	13.65	3.23	20.07	-16.84
120+75.00	1.99	2.18	1.26	4.32	4.49	24.39	-19.90
121+00.00	1.56	3.13	1.64	3.07	6.13	27.46	-21.33
121+25.00	6.04	4.10	3.52	4.18	9.65	31.64	-22.00
121+50.00	27.78	0.00	15.66	2.37	25.31	34.02	-8.71
121+61.12	11.41	2.02	8.07	0.52	33.38	34.54	-1.16
122+10.50	35.92	0.00	43.28	2.31	76.66	36.85	39.81
122+25.00	11.59	14.64	12.75	4.91	89.42	41.77	47.65
122+50.00	15.13	14.32	12.37	16.76	101.79	58.53	43.26
122+75.00	0.57	25.44	7.27	23.01	109.05	81.53	27.52
123+00.00	1.73	16.69	1.07	24.38	110.12	105.91	4.21
123+25.00	15.33	10.84	7.90	15.93	118.02	121.84	-3.82
123+50.00	44.48	0.00	27.69	6.28	145.71	128.12	17.59
123+75.00	18.03	6.49	28.94	3.75	174.65	131.87	42.78
124+13.33	34.68	18.10	37.41	21.82	212.06	153.69	58.38
124+50.00	21.62	12.38	38.24	25.87	250.30	179.56	70.74
124+75.00	25.03	29.43	21.60	24.19	271.90	203.75	68.14
125+00.00	11.89	21.69	17.09	29.58	288.99	233.34	55.65
125+25.00	1.84	26.10	6.36	27.65	295.35	260.99	34.36
125+50.00	57.55	0.00	27.49	15.10	322.84	276.09	46.75
125+75.00	15.81	31.79	33.96	18.40	356.80	294.49	62.31
126+00.00	15.62	29.93	14.55	35.72	371.35	330.21	41.14
126+25.00	17.10	19.85	15.15	28.81	386.50	359.02	27.48
126+50.00	0.15	21.32	7.99	23.83	394.48	382.84	11.64
126+81.00	9.88	11.03	5.82	22.67	400.30	405.51	-5.21
127+04.26	39.28	0.00	20.87	5.87	421.17	411.38	9.78
127+11.57	27.68	2.93	9.06	0.50	430.23	411.88	18.35
127+16.78	7.14	20.64	4.64	2.93	434.87	414.81	20.06
127+75.00	0.00	18.35	7.70	52.55	442.57	467.36	-24.79
128+00.00	0.00	21.59	0.00	23.12	442.57	490.47	-47.90
128+50.00	0.00	27.54	0.00	56.87	442.57	547.34	-104.77
128+75.00	0.00	28.82	0.00	32.62	442.57	579.96	-137.39
129+00.00	0.00	28.63	0.00	33.25	442.57	613.21	-170.64
129+25.00	0.31	24.90	0.14	30.98	442.71	644.19	-201.48
129+50.00	0.06	26.92	0.17	29.99	442.88	674.18	-231.29
129+75.00	4.14	28.82	1.94	32.26	444.83	706.43	-261.60
129+80.62	5.82	29.26	1.04	7.56	445.87	713.99	-268.13
129+97.87	16.96	13.29	7.28	16.99	453.14	730.98	-277.83
130+25.00	33.08	0.00	25.14	8.35	478.29	739.33	-261.04
130+25.00	33.08	0.00	25.14	8.35	478.29	739.33	-261.04
130+50.00	0.00	51.78	16.52	29.97	494.81	769.29	-274.49
130+75.00	0.46	32.39	0.21	48.71	495.02	818.01	-322.99
131+00.00	1.11	25.80	0.73	33.68	495.75	851.69	-355.94
131+25.00	2.05	7.43	1.46	19.24	497.21	870.92	-373.71
131+51.67	5.74	6.85	3.87	8.81	501.07	879.73	-378.66
131+75.00	14.36	4.59	8.69	6.18	509.76	885.91	-376.15
132+00.00	6.85	3.59	9.82	4.73	519.58	890.65	-371.07
132+25.00	8.32	3.19	7.02	3.93	526.60	894.57	-367.97

Total Volume Table							
Station	Cut Area (SF)	Fill Area (SF)	Cut Vol (CY)	Fill Vol (CY)	Cumulative Cut Vol (CY)	Cumulative Fill Vol (CY)	Net Vol (CY)
132+66.28	6.58	11.62	10.80	14.14	537.40	908.71	-371.31
132+67.75	7.16	18.35	0.34	1.21	537.74	909.92	-372.18
133+00.00	5.89	8.24	7.09	21.02	544.83	930.95	-386.12
133+25.00	3.96	10.62	4.10	6.78	548.93	937.73	-388.79
133+50.00	4.49	11.54	3.52	7.94	552.46	945.66	-393.21
133+75.00	8.69	9.94	5.75	6.78	558.20	952.44	-394.24
134+00.00	4.54	11.79	5.95	10.97	564.16	963.41	-399.25
134+25.00	7.78	1.74	5.70	7.83	569.86	971.24	-401.37
134+42.21	13.21	1.27	6.69	1.20	576.55	972.43	-395.88

APPROXIMATE EARTHWORK QUANTITIES

CUT	468	CY
TOPSOIL	389	CY
EMBANKMENT	614	CY

NOTE: FILL QUANTITIES ASSUME 25% SHRINKAGE OF MATERIALS. QUANTITIES REFLECT NONE OF THE CUT MATERIAL BEING USED FOR FILL.

SURFACE COMPARISON EARTHWORK QUANTITIES

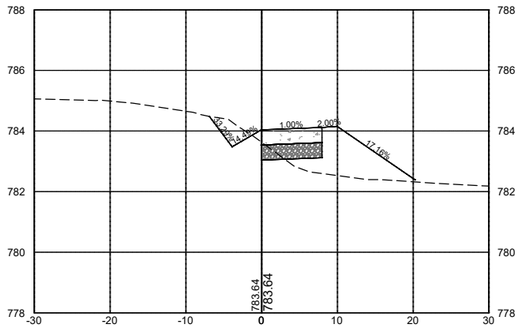
DATUM SURFACE COMPARED TO THE EXISTING GROUND SURFACE.

Cut/Fill Summary

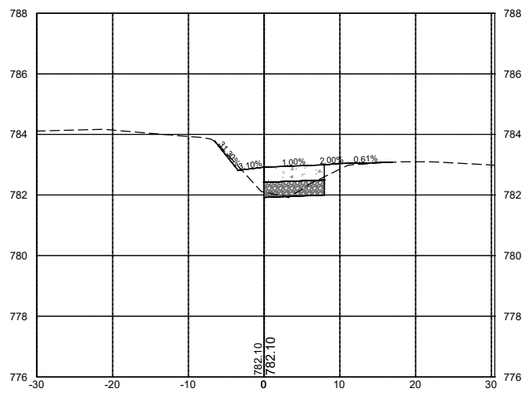
Name	Cut Factor	Fill Factor	2d Area	Cut	Fill	Net
EARTHWORK	**1.00**	1.25	65241.24 Sq. Ft.	467.75 Cu. Yd.	1002.17 Cu. Yd.	534.42 Cu. Yd.<Fill>
Totals			65241.24 Sq. Ft.	467.75 Cu. Yd.	1002.17 Cu. Yd.	534.42 Cu. Yd.<Fill>

TABULATION OF EARTHWORK

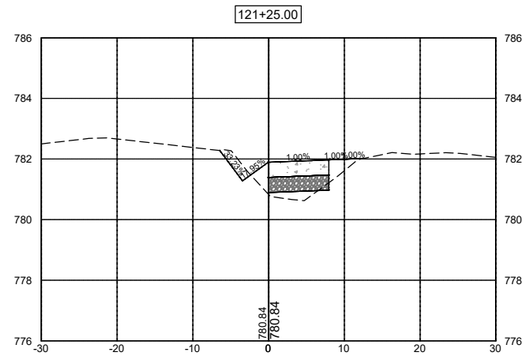
120+25.00



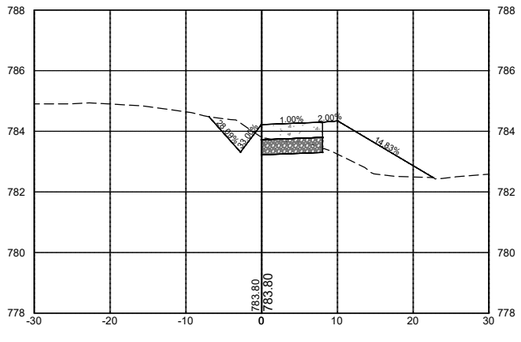
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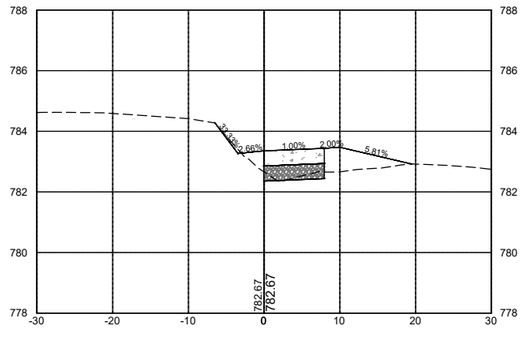
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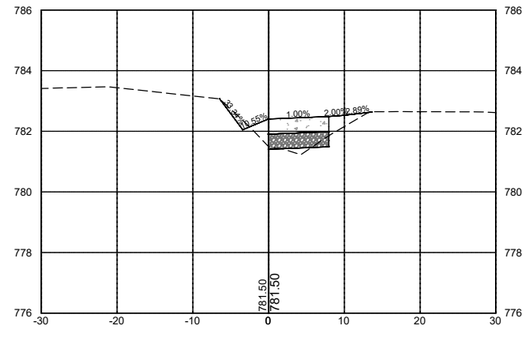
120+19.82



120+53.70



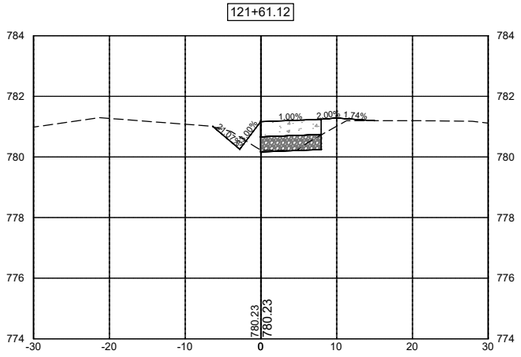
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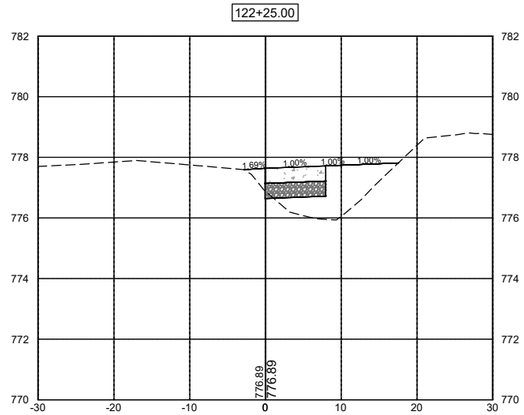


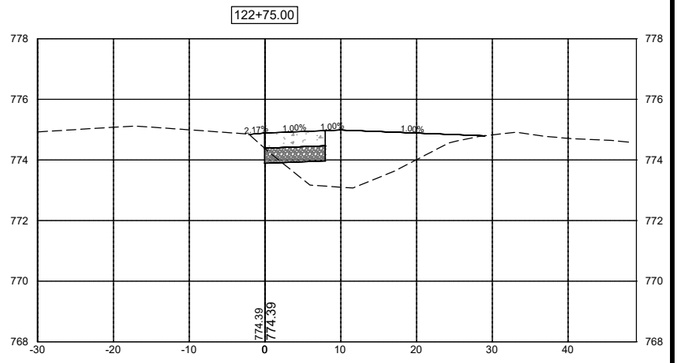
TRAIL CROSS SECTIONS

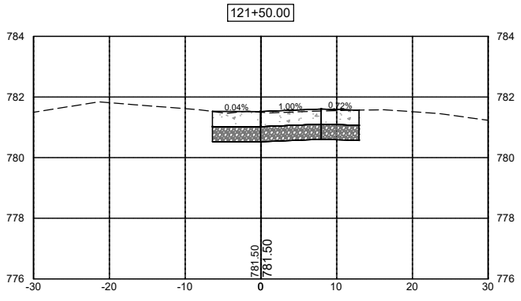
ENGLISH	IOWA DOT	DESIGN TEAM	VEENSTRA & KIMM, INC.	SCOTT	COUNTY	PROJECT NUMBER	TAP-R-4497(603)--8T-82	SHEET NUMBER W.01	REVISED

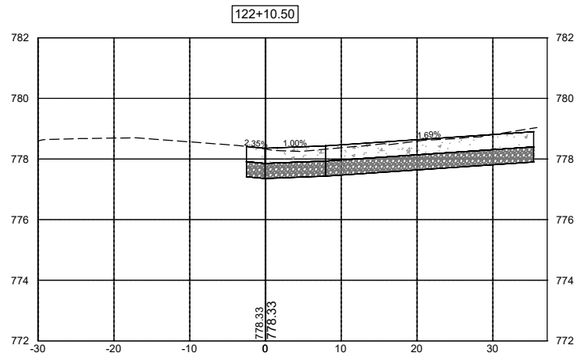
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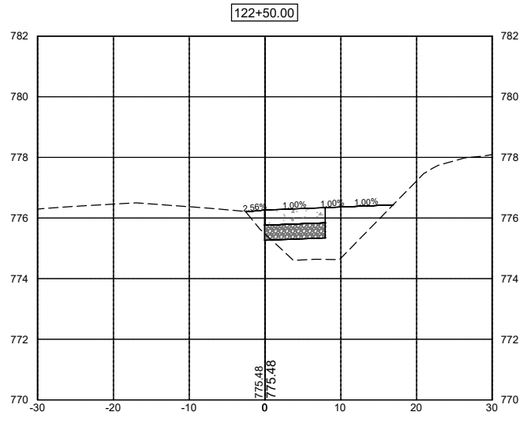










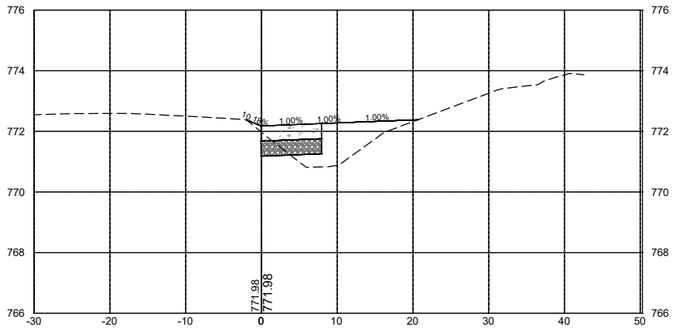


TRAIL CROSS SECTIONS

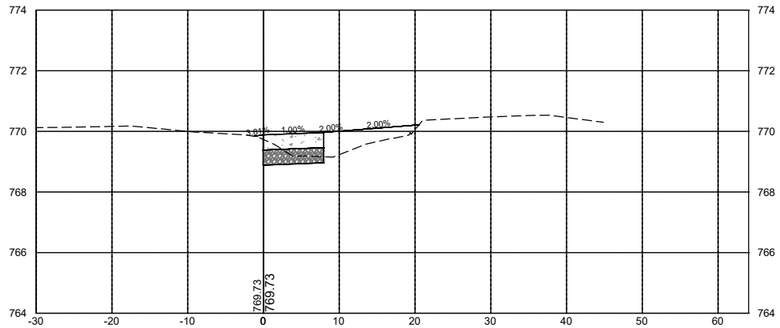
ENGLISH	IOWA DOT	DESIGN TEAM	VEENSTRA & KIMM, INC.	SCOTT	COUNTY	PROJECT NUMBER	TAP-R-4497(603)--8T-82	SHEET NUMBER W.02	REVISED

PLOTTED: Tuesday, September 15, 2026 4:04:23 PM FILE PATH: \\ROCIL-NASNIP01.KLEINFELDER.COM\RISHARE\0500\0577-LONG_GROVE\0577-0028_1ST_ST_MULTI-USE_PATH_PHASE2_DESIGN_AND_PLANNING\CADD_DESIGN\57728 TRAIL DESIGN

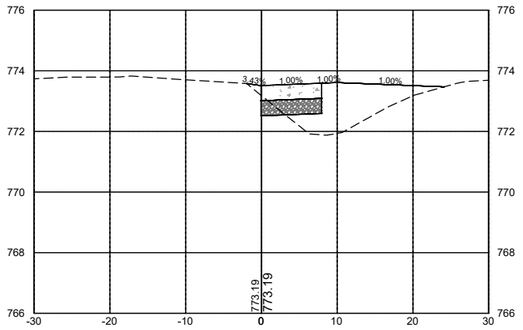
123+25.00



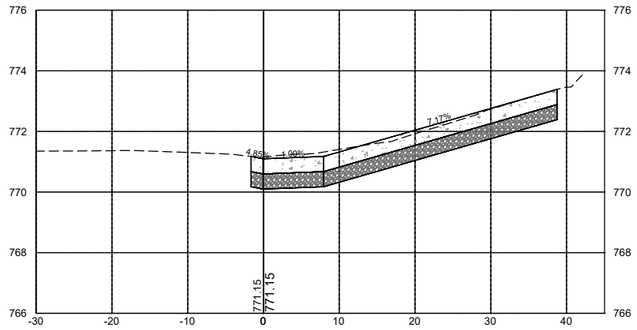
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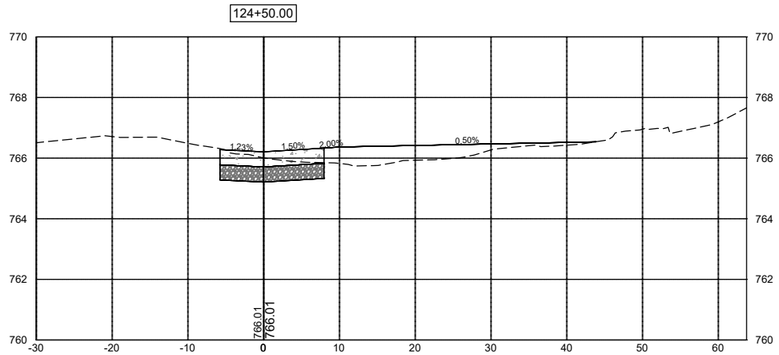


TRAIL CROSS SECTIONS

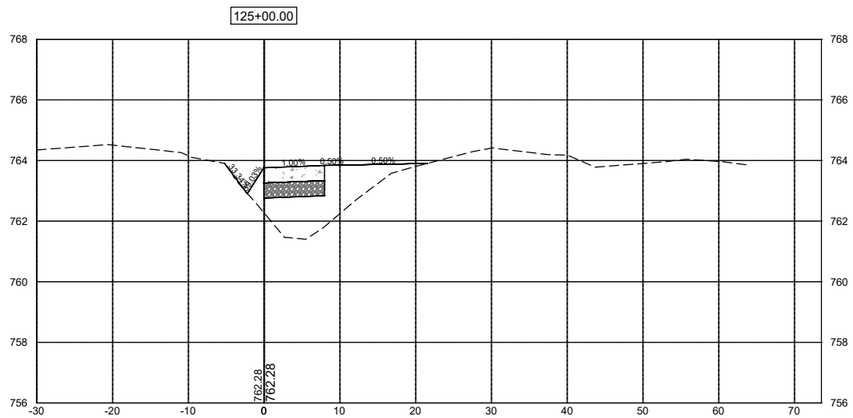
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PLOTTED: Tuesday, September 15, 2026 4:10:10 PM FILE PATH: \\ROCIL-NASNIP01.KLEINFELDER.COM\RISHARE\0500\0577-LONG_GROVE\0577-0028_1ST_ST_MULTI-USE_PATH_PHASE2_DESIGN_AND_PLANNING\CADD_DESIGN\57728 TRAIL DESIGN

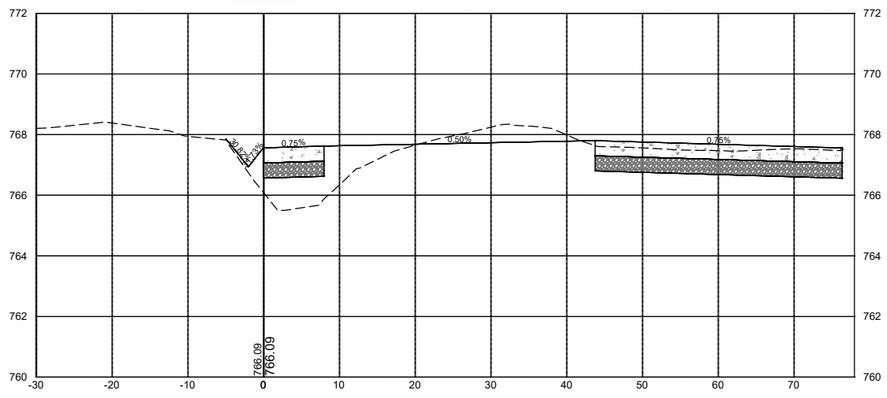
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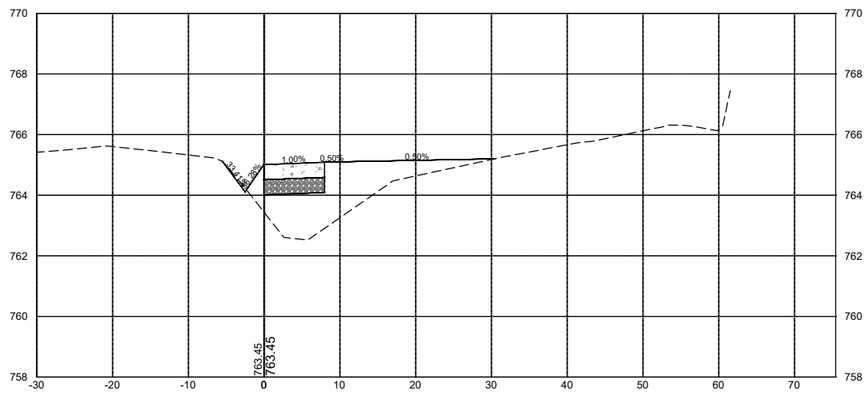
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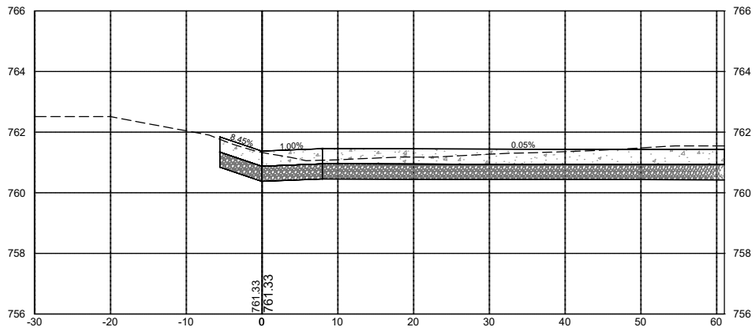


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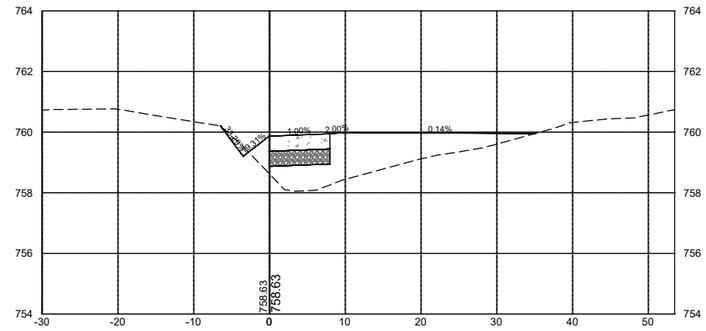
ENGLISH	IOWA DOT	DESIGN TEAM	VEENSTRA & KIMM, INC.	SCOTT	COUNTY	PROJECT NUMBER	TAP-R-4497(603)--8T-82	SHEET NUMBER	W.04	REVISED

PLOTTED: Tuesday, September 15, 2026 4:04:58 PM FILE PATH: \\ROCIL-NASNIP01.KLEINFELDER.COM\RISHARE\0500\0577-LONG_GROVE\0577-0028_1ST_ST_MULTI-USE_PATH_PHASE2_DESIGN_AND_PLANNING\CADD_DESIGN\57728 TRAIL DESIGN

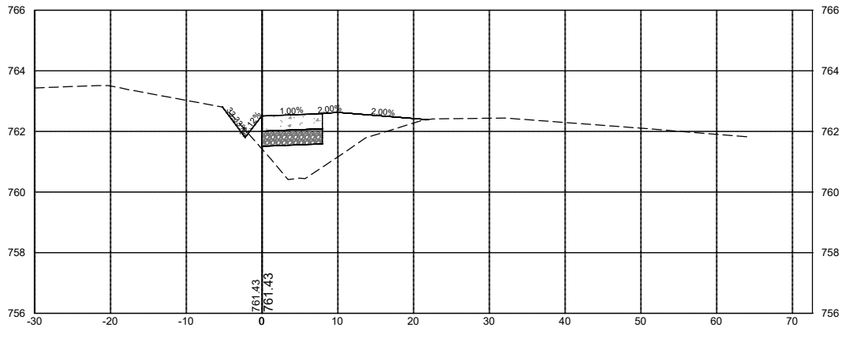
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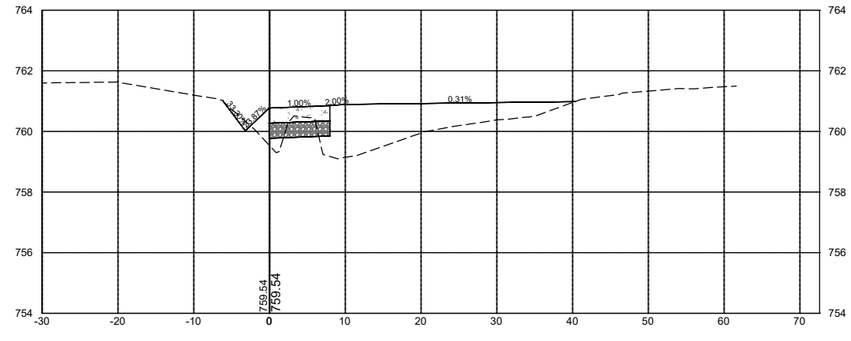
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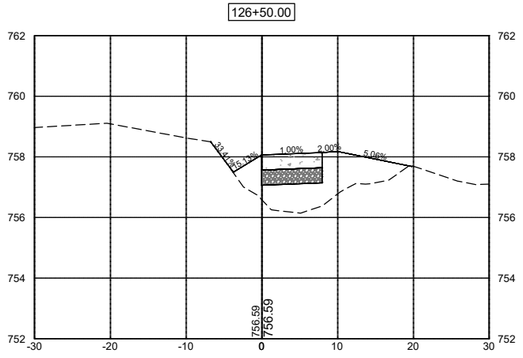
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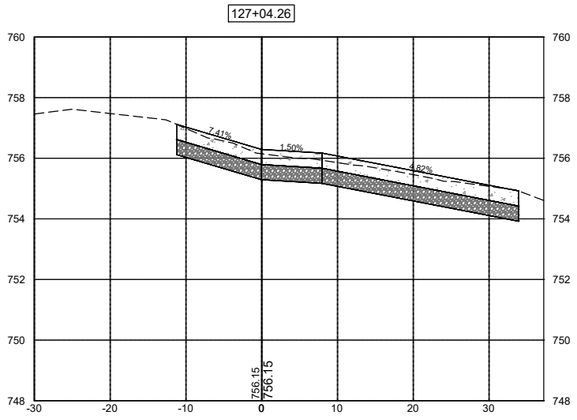


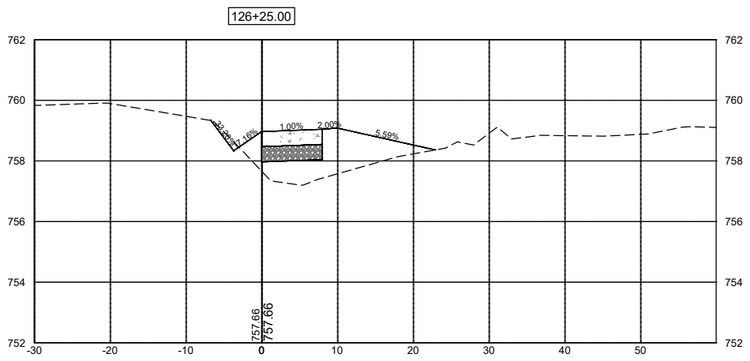
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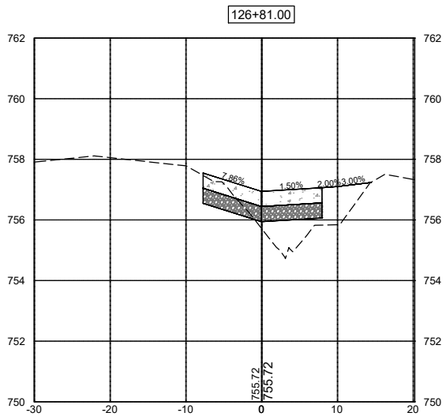
ENGLISH	IOWA DOT	DESIGN TEAM	VEENSTRA & KIMM, INC.	SCOTT	COUNTY	PROJECT NUMBER	TAP-R-4497(603)--8T-82	SHEET NUMBER W.05	REVISED

PLOTTED: Tuesday, September 15, 2026 4:03:01 PM FILE PATH: \\ROCIL-NASNIP01.KLEINFELDER.COM\RISHARE\0500\0577-LONG_GROVE\0577-0028_1ST_ST_MULTI-USE_PATH_PHASE2_DESIGN_AND_PLANNING\CADD_DESIGN\57728 TRAIL DESIGN





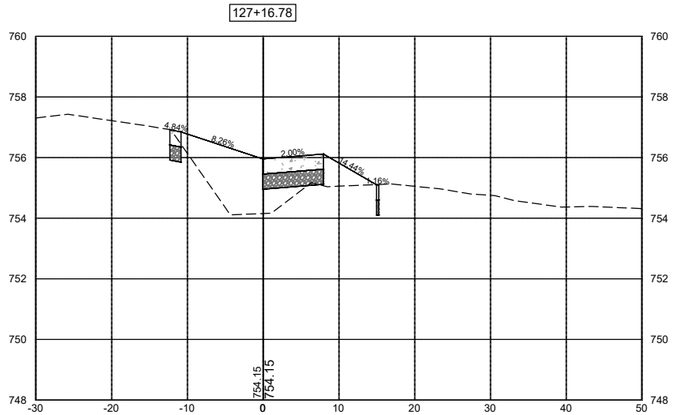


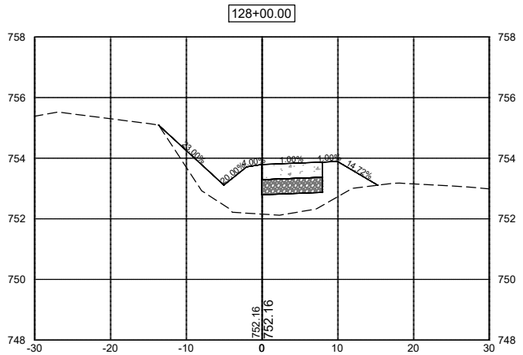


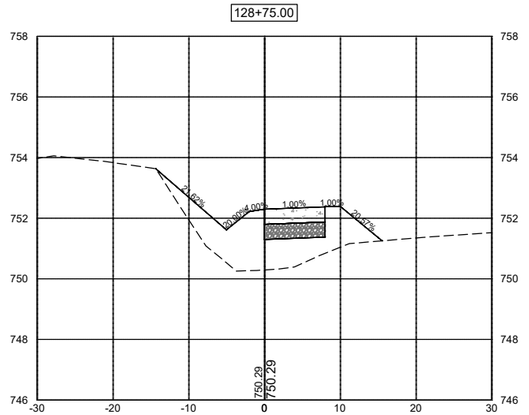
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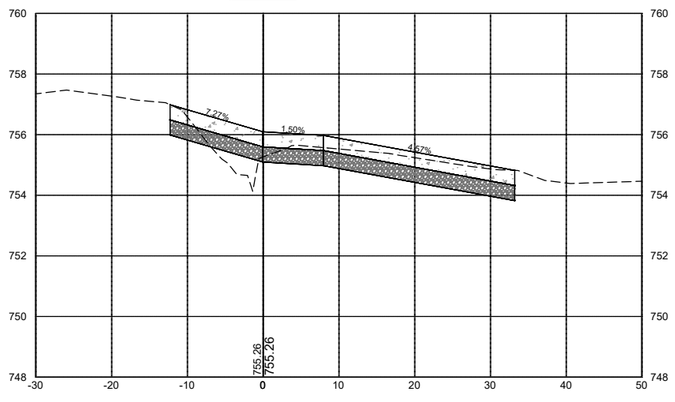
ENGLISH	IOWA DOT	DESIGN TEAM	VEENSTRA & KIMM, INC.	SCOTT	COUNTY	PROJECT NUMBER	TAP-R-4497(603)--8T-82	SHEET NUMBER	W.06	REVISED

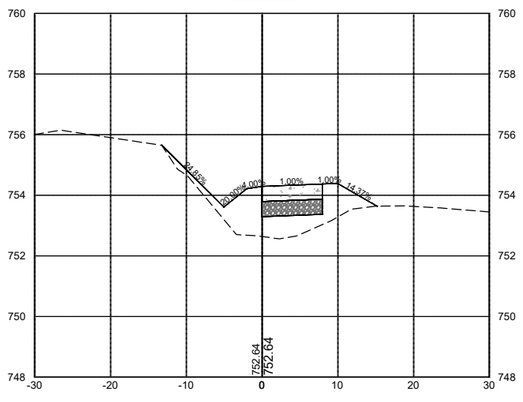
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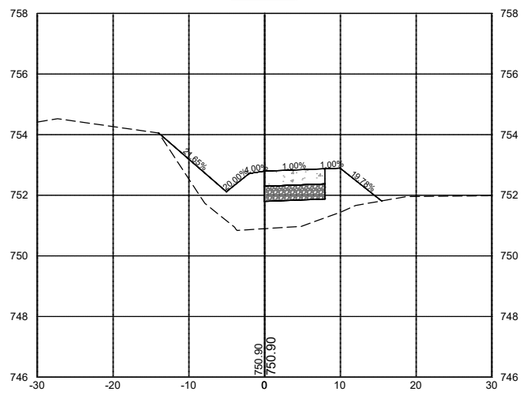








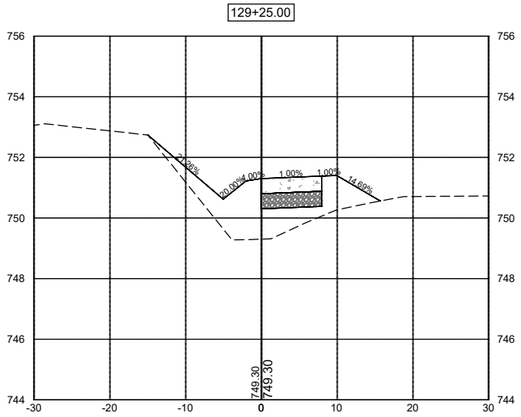


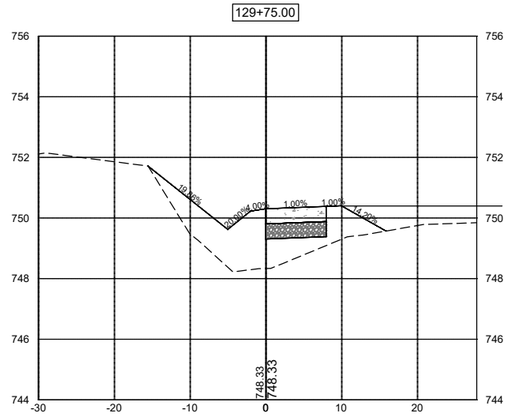


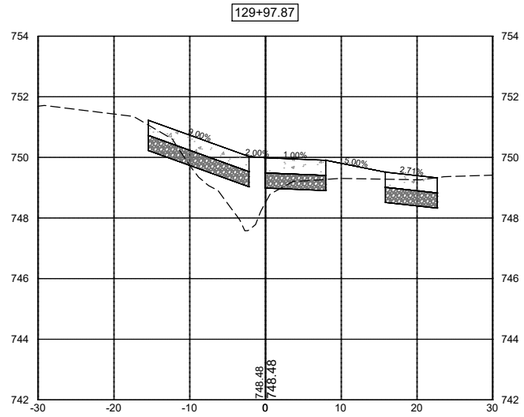
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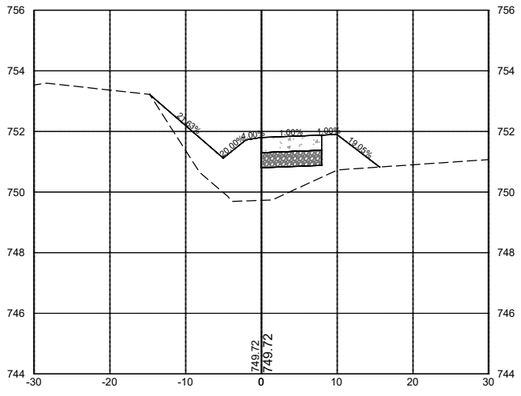
ENGLISH	IOWA DOT	DESIGN TEAM	VEENSTRA & KIMM, INC.	SCOTT	COUNTY	PROJECT NUMBER	TAP-R-4497(603)--8T-82	SHEET NUMBER W.07	REVISED

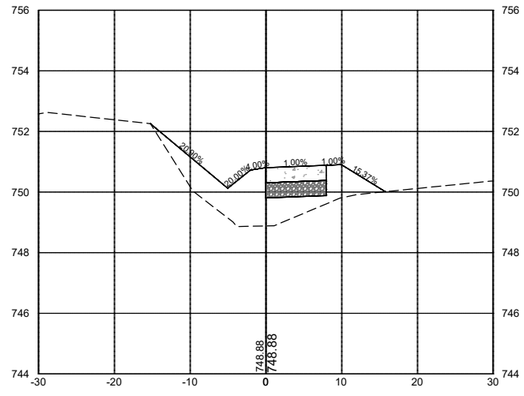
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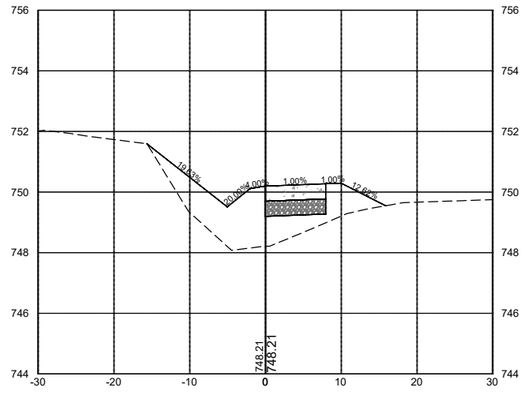








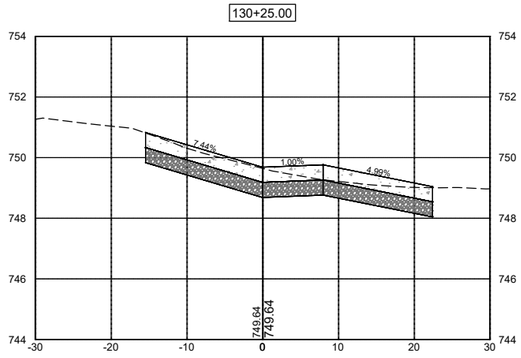


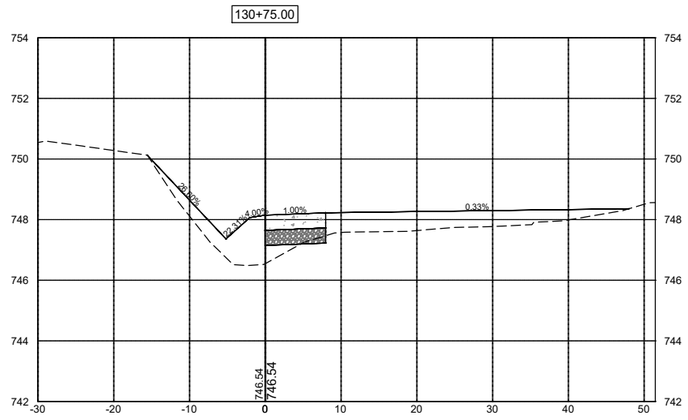


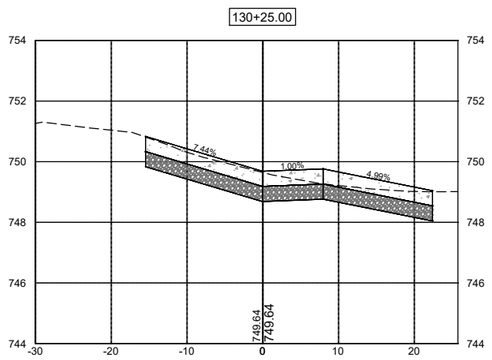
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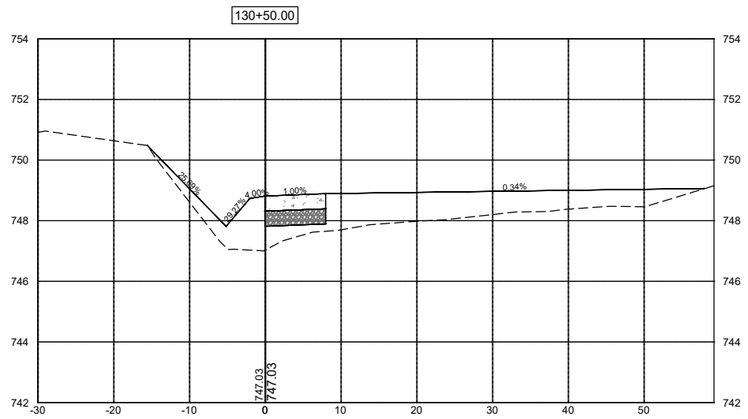
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PLOTTED: Tuesday, September 15, 2026 4:13:00 PM FILE PATH: \\ROCIL-NASNIP01.KLEINFELDER.COM\RISHARE\0500\0577-LONG_GROVE\0577-0028_1ST_ST_MULTI-USE_PATH_PHASE2_DESIGN_AND_PLANNING\CADD_DESIGN\57728 TRAIL DESIGN







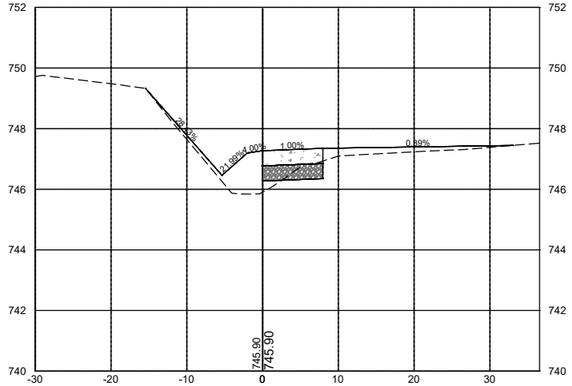


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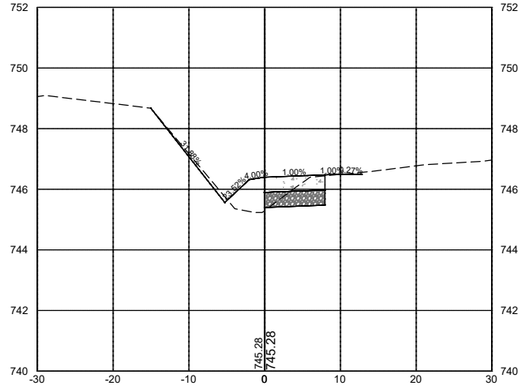
ENGLISH	IOWA DOT	DESIGN TEAM	VEENSTRA & KIMM, INC.	SCOTT	COUNTY	PROJECT NUMBER	TAP-R-4497(603)--8T-82	SHEET NUMBER	W.09	REVISED

PLOTTED: Tuesday, September 15, 2026 4:03:23 PM FILE PATH: \\ROCIL-NASNIP01.KLEINFELDER.COM\RISHARE\0500\0577-LONG_GROVE\0577-0028_1ST_ST_MULTI-USE_PATH_PHASE2_DESIGN_AND_PLANNING\CADD_DESIGN\57728 TRAIL DESIGN

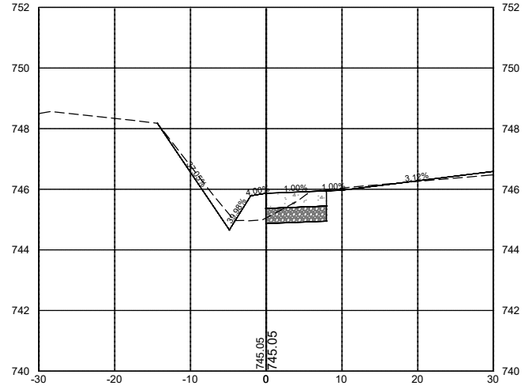
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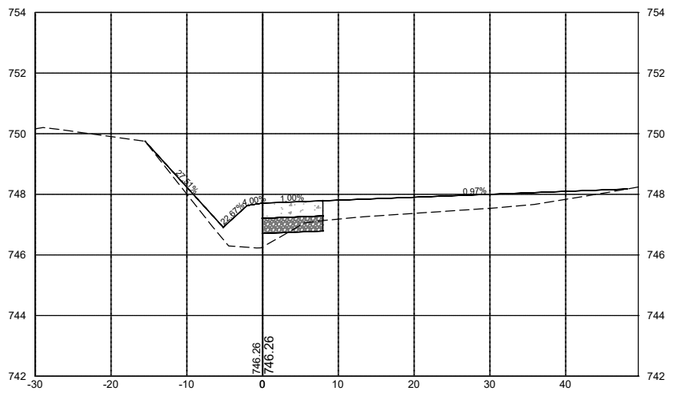
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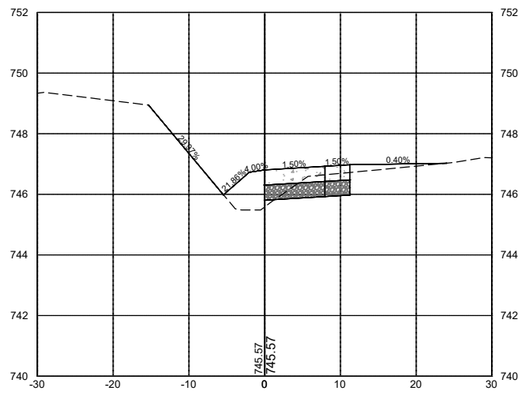
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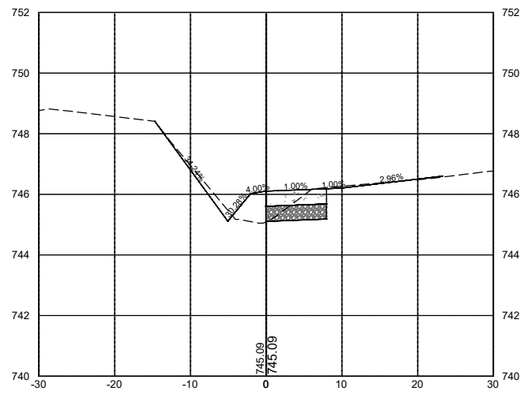
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131+51.67



132+00.00

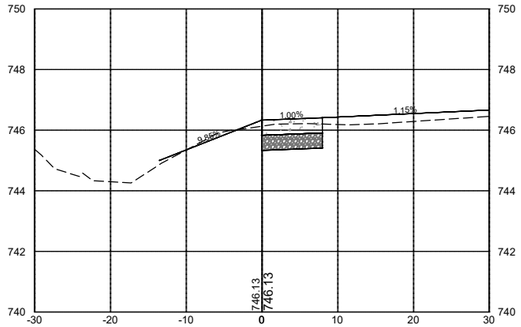


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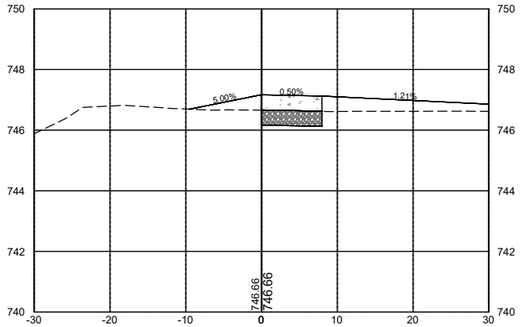
ENGLISH	IOWA DOT	DESIGN TEAM	VEENSTRA & KIMM, INC.	SCOTT	COUNTY	PROJECT NUMBER	TAP-R-4497(603)--8T-82	SHEET NUMBER	W.10	REVISED

PLOTTED: Tuesday, September 15, 2026 4:06:44 PM FILE PATH: \\ROCIL-NASNIP01.KLEINFELDER.COM\RISHARE\0500\0577-LONG_GROVE\0577-0028_1ST_ST_MULTI-USE_PATH_PHASE2_DESIGN_AND_PLANNING\CADD_DESIGN\57728 TRAIL DESIGN

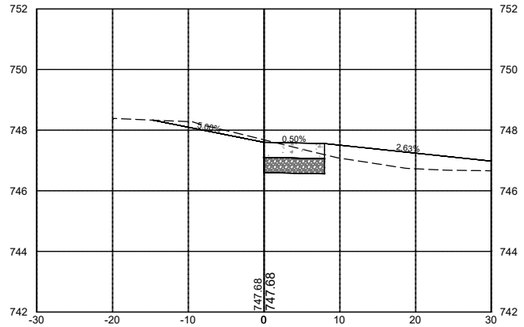
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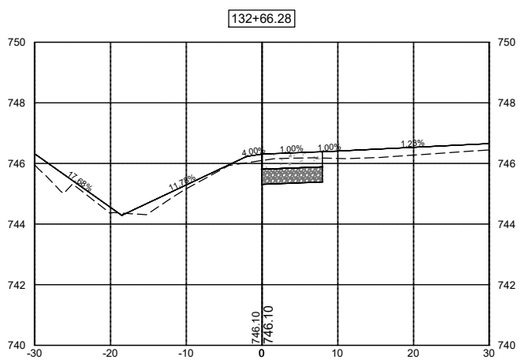
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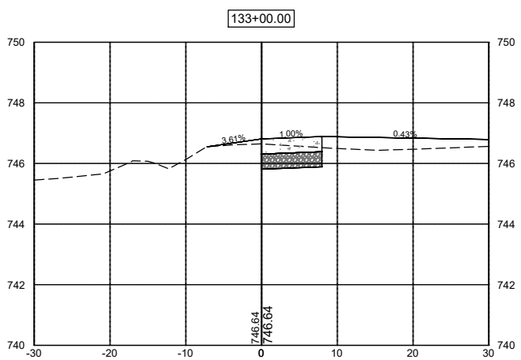
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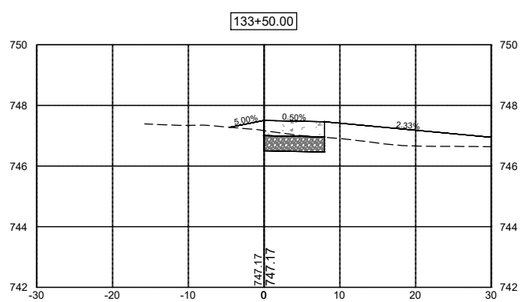
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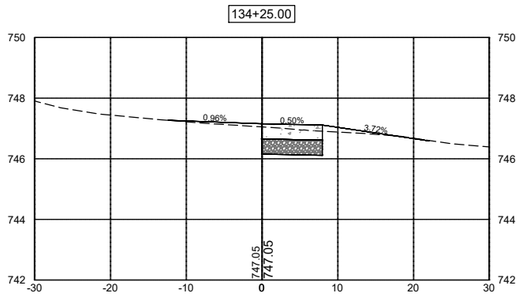


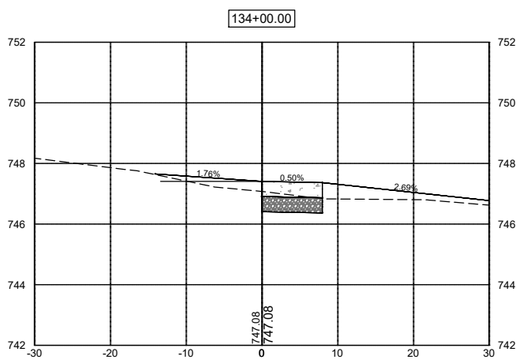
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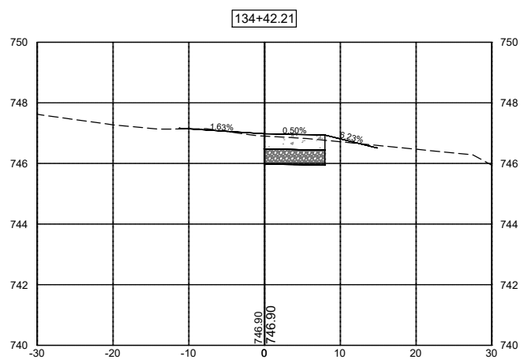


TRAIL CROSS SECTIONS

ENGLISH	IOWA DOT	DESIGN TEAM	VEENSTRA & KIMM, INC.	SCOTT	COUNTY	PROJECT NUMBER	TAP-R-4497(603)--8T-82	SHEET NUMBER	W.11	REVISED







TRAIL CROSS SECTIONS

ENGLISH	IOWA DOT	DESIGN TEAM	VEENSTRA & KIMM, INC.	SCOTT	COUNTY	PROJECT NUMBER	TAP-R-4497(603)--8T-82	SHEET NUMBER	W.12	REVISED

PLOTTED: Tuesday, September 15, 2026 4:12:29 PM FILE PATH: \\ROCIL-NASNIP01.KLEINFELDER.COM\RISHARE\0500\0577-LONG_GROVE\0577-0028_1ST_ST_MULTI-USE_PATH_PHASE2_DESIGN_AND_PLANNING\CADD_DESIGN\57728 TRAIL DESIGN