

K:\DBQ - COUNTY CONSERVATION\10452.00 HERITAGE TRAIL PAVING PROJECT\141 CAD/CAD SHEETS\10452.00 - HERITAGE TRAIL - A SHEETS.DWG 6/15/2026 7:38 AM KEVIN PODSTAWA

DUBUQUE COUNTY

HMA SIDEWALK/TRAIL

TAP-R-C031(129)--8T-31

LETTING DATE

09/15/2026

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.

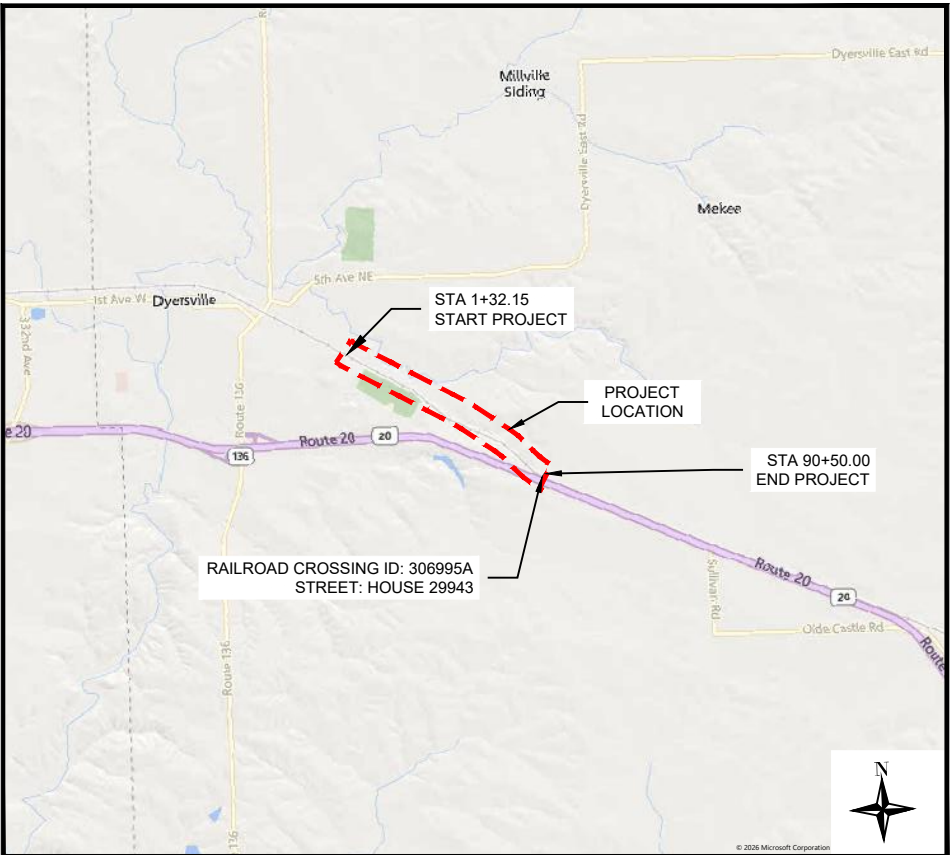


TRANSPORTATION DEVELOPMENT DIVISION

PLANS OF PROPOSED IMPROVEMENT ON THE FARM-TO-MARKET SYSTEM DUBUQUE COUNTY HMA SIDEWALK/TRAIL HERITAGE TRAIL

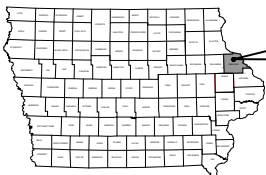
On Heritage Trail, from East end of Beltline Rd East 2.0 miles

SCALES: As Noted

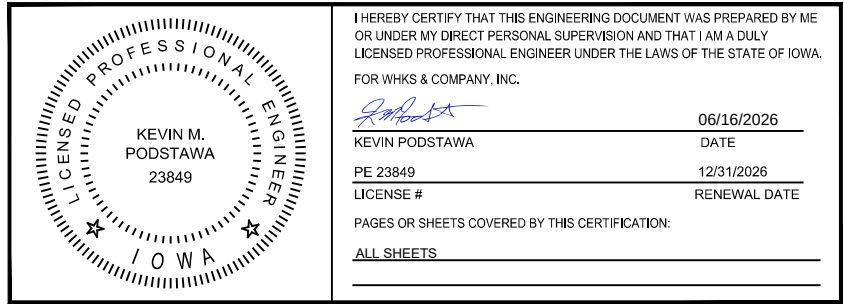
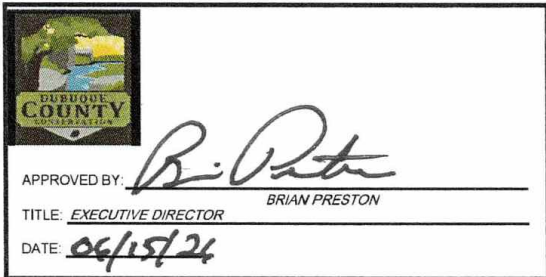


DUBUQUE COUNTY, IOWA LOCATION MAP

NOT TO SCALE



DUBUQUE COUNTY



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.
FOR WHKS & COMPANY, INC.
KEVIN PODSTAWA
PE 23849
LICENSE #
PAGES OR SHEETS COVERED BY THIS CERTIFICATION:
ALL SHEETS

TOTAL SHEETS

35

PROJECT NUMBER

TAP-R-C031(129)--8T-31

R.O.W. PROJECT NUMBER

PROJECT IDENTIFICATION NUMBER

INDEX OF SHEETS

NO.	DESCRIPTION
A.1	TITLE SHEET
B.1 - B.2	TYPICAL CROSS SECTIONS
C.1 - C.4	ESTIMATED PROJECT QUANTITIES AND REFERENCE NOTES
C.5	GENERAL NOTES, UTILITY NOTES, AND INDEX OF TABULATIONS
C.6 - C.7	TABULATIONS
D.1	LEGEND
D.2 - D.10	MAINLINE TRAIL PLAN AND PROFILE
G.1	ALIGNMENT, SURVEY CONTROL, AND BENCHMARK INFORMATION
L.1	GEOMETRIC AND JOINTING PLAN
R.1 - R.2	POLLUTION PREVENTION PLAN
R.3	EROSION CONTROL TABULATIONS
R.4 - R.7	EROSION CONTROL DEVICE PLACEMENT PLAN
S.1 - S.4	SIDEWALK SHEETS
U.1	SPECIAL DETAILS

VALUE ENGINEERING SAVES. REFER TO ARTICLE 1105.14 OF THE SPECIFICATIONS.

REFER TO THE PROPOSAL FORM FOR LIST OF APPLICABLE SPECIFICATIONS

REFER TO SHEET C.5 FOR TABULATION OF STANDARD PLANS.

MILEAGE SUMMARY

LOCATION	LIN. FT.	MILES
URBAN: STA 1+32.15 TO 38+37.89 PRIOR ROAD	3,706	0.7
STA 38+76.32 TO 107+40.32	6,864	1.3
TOTAL LENGTH OF TRAIL	10,554	2.0

ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE 2023 IOWA DEPARTMENT OF TRANSPORTATION'S STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION AND AS NOTED ON THESE PLANS.

SELECT PLAN SHEETS WERE PRODUCED IN COLOR. IT IS RECOMMENDED THEY BE PRINTED AS SUCH TO AVOID MISREPRESENTATIONS OR MISUNDERSTANDINGS.

RAILROAD CROSSING ID: 306995A
STREET: HOUSE 29943

UTILITY CONTACT INFORMATION

UTILITY	OWNER	CONTACT	EMAIL	PHONE
WATER	CITY OF DYERSVILLE	JOHN WANDSNIDER, P.E.	jwandsnider@cityofdymersville.com	563-875-7724
SEWER	CITY OF DYERSVILLE	JOHN WANDSNIDER, P.E.	jwandsnider@cityofdymersville.com	563-875-7724
ELECTRIC	ALLIANT ENERGY IPC	NATE RUCKER		563-587-4543
ELECTRIC	ITC MIDWEST	BRUCE BIELEMA		563-355-2592
GAS	BLACK HILLS ENERGY	JUSTIN LEHMAN		563-585-4026
CABLE TV	MEDIACOM	CHRIS MINARD	cminard@mediacomcc.com	563-213-1123
CABLE TV	MEDIACOM	MITCH HANCOCK	mhancock@mediacomcc.com	563-213-1123
TELEPHONE	CENTURY LINK	BRENT GIESE		563-355-2592
FIBER	WINDSTREAM	STEPHEN KNESS		319-790-7678
FIBER	ImOn COMMUNICATIONS	RANDY SCHOON		319-533-1176



FILE NO.

ENGLISH

DESIGN TEAM

WHKS & CO.

DUBUQUE

COUNTY

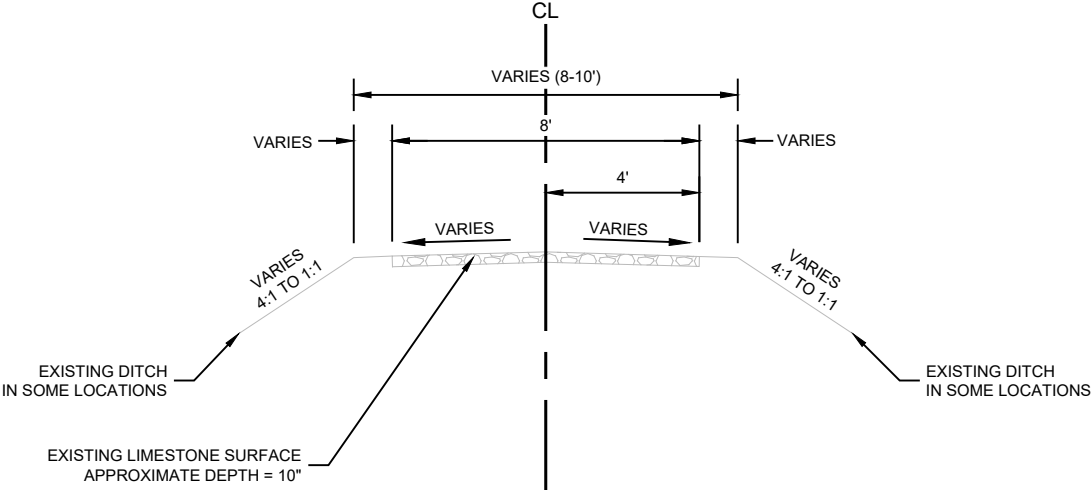
PROJECT NUMBER

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SHEET NUMBER

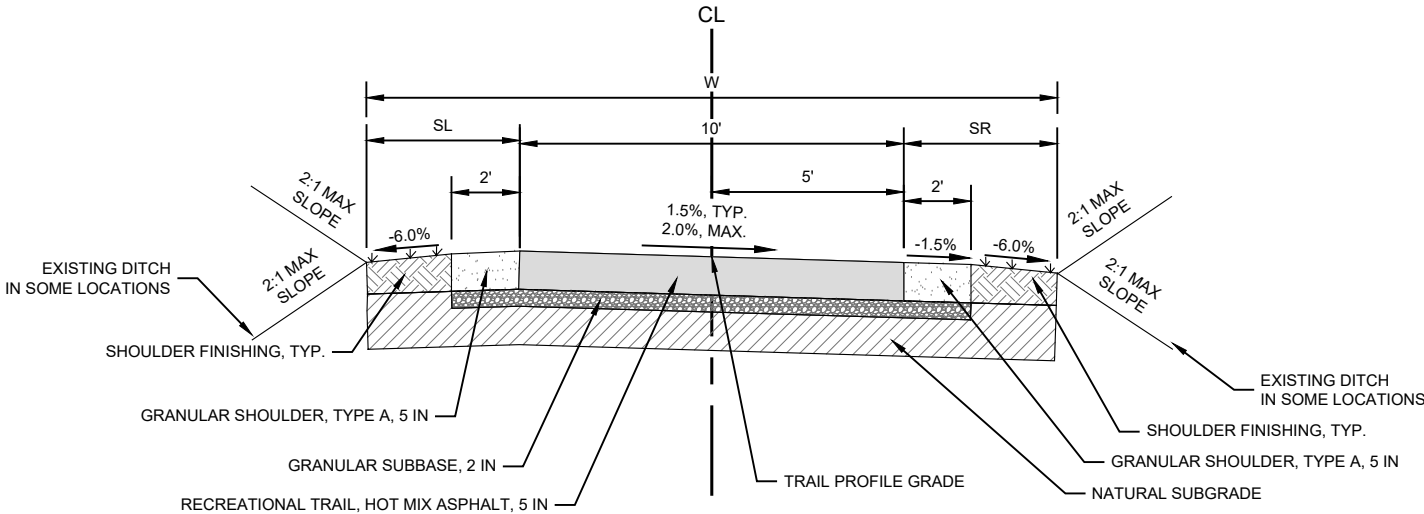
A.1

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1
B.1 EXISTING TYPICAL SECTION
HERITAGE TRAIL

NOT TO SCALE



2
B.1 PROPOSED HMA TYPICAL SECTION
HERITAGE TRAIL

NOT TO SCALE

TYPICAL SECTION PROPERTIES					
BEGIN STATION	END STATION	LENGTH	SL	SR	W
1+61.98	30+00.00	2838.02	3	3	16
30+25.00	38+21.56	796.56	5	5	20
PRIER ROAD					
38+93.75	42+00.00	306.25	5	5	20
42+25.00	42+75.00	50.00	3	3	16
43+00.00	60+50.00	6007.00	5	5	20
60+75.00	63+00.00	225.00	3	5	18
63+25.00	66+25.00	300.00	5	5	20
66+50.00	70+75.00	425.00	5	3	18
71+00.00	72+00.00	100.00	5	5	20
72+25.00	90+10.00	1785.00	3	3	16

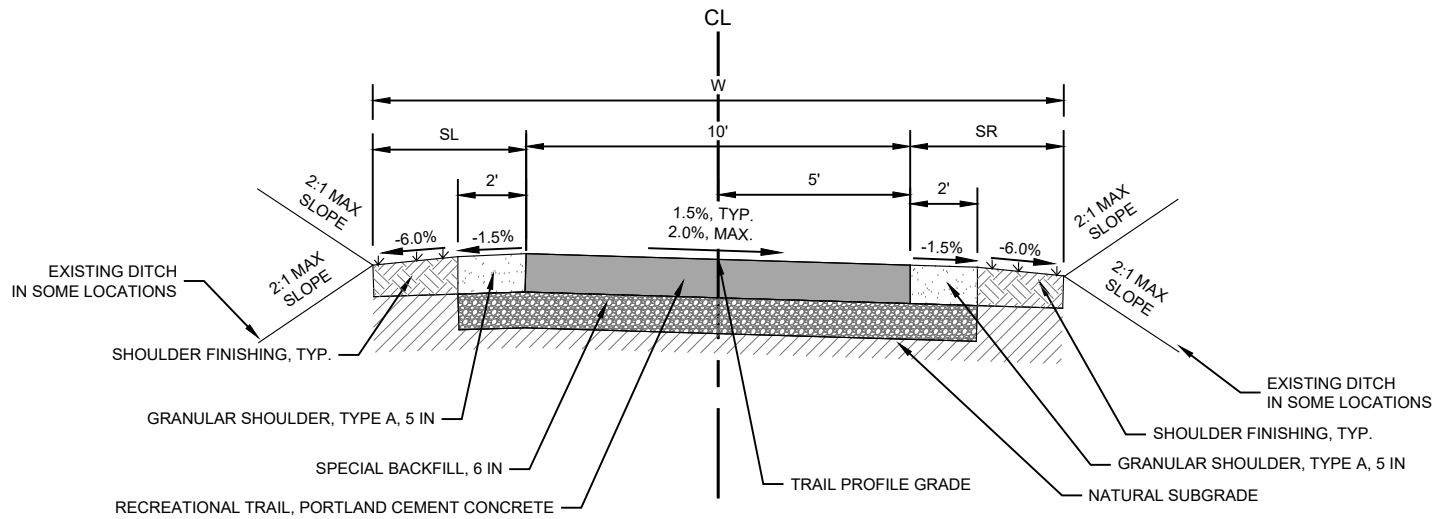
NOTES:

GAPS IN STATIONING ABOVE ARE TRANSITION SEGMENTS FOR THE SL AND SR DIMENSIONS SHOWN.

NORMAL SECTIONS SHOWN MAY BE MODIFIED FOR AREAS SPECIFICALLY DESIGNATED BY THE ENGINEER.

MAINTAIN 5-FOOT SHOULDERS FOR 3:1 OR STEEPER SLOPES WITH DROPS GREATER THAN 6 FEET.

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TYPICAL SECTION PROPERTIES

BEGIN STATION	END STATION	LENGTH	SL	P	SR	W	D
1+32.15	1+42.15	10	5	10	5	15	6
38+21.56	38+37.89	16.33	5	10	5	15	6
PRIER ROAD							
38+76.92	38+93.75	16.83	5	10	5	15	6
90+10.00	90+22.89	12.89	5	10	5	15	6
90+22.89	90+34.88	12.00	0	12	0	12	7
90+34.88	90+50.00	15.12	5	10	5	15	6

NOTES:

NORMAL SECTIONS SHOWN MAY BE MODIFIED FOR AREAS SPECIFICALLY DESIGNATED BY THE ENGINEER.

MAINTAIN 5-FOOT SHOULDERS FOR 3:1 OR STEEPER SLOPES WITH DROPS GREATER THAN 6 FEET.

D IS THE DEPTH OF PORTLAND CEMENT CONCRETE USED IN THE TYPICAL SECTION IN INCHES

3
B.2
PROPOSED PCC TYPICAL SECTION
HERITAGE TRAIL

NOT TO SCALE

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Item no.	Item Code	Item	Unit	Quantities	Estimate Reference Notes
				Estimated	
				Division 1	
1	2101-0850001	CLEARING AND GRUBBING	ACRE	1.3	Refer to tab. 110-17 and D Sheets. Cutting shall be completed after September 30th and before April 1st. Item is for removal of all trees, stumps, shrubs, and brush for the limits and extents shall be confirmed in the field with the engineer prior to performing any work. All material generated as a result of clearing and grubbing shall become the property of the contractor and must be disposed off site. Trim back any tree branches or limbs that may be within 2 feet of the path edge and 12 feet or less above the final trail surface. All wood material must be disposed of according to Iowa Department of Agriculture and Land Stewardship Emerald Ash Borer quarantine order. For more information see www.iowatreepests.com .
2	2102-0425071	SPECIAL BACKFILL	CY	210	See Typical Sections on B Sheets. See WHKS-1 on C Sheets and D Sheets for locations and details. Reclaimed asphalt pavement (RAP) and reclaimed HMA shall not be used for the special backfill.
3	2102-2710070	EXCAVATION, CLASS 10, ROADWAY AND BORROW	CY	1,757	Cut = 1,757 Cu. Yds. Fill = 1,757 Cu. Yds. Measurement for Excavation, Class 10, in cubic yards, will be the quantity shown in the contract documents.
4	2105-8425015	TOPSOIL, STRIP, SALVAGE AND SPREAD	CY	1,931	Refer to Tab. 103-10 and the R Sheets. Strip 4 inches of topsoil within the limits of grading. After excavating to the sub grade elevations, spread the stockpiled topsoil to an 4 inch depth across the grading area. Seed the disturbed topsoil stockpile area as per section 2601.05 of the standard specifications.
5	2111-8174100	GRANULAR SUBBASE	SY	9,752	See Typical Sections on B Sheets. See WHKS-1 on C Sheets and D Sheets for locations and details.
6	2121-7425010	GRANULAR SHOULDERS, TYPE A	TON	1,036	See Typical Sections on B Sheets. See WHKS-1 on C Sheets and D Sheets for locations and details.
7	2123-7450020	SHOULDER FINISHING, EARTH	STA	177	No payment for overhaul allowed for this material. Material is available from Topsoil, Strip, Salvage and Spread. Requires a minimum of 4 inches of topsoil. Place according to Article 2105.03,B of the Standard Specifications.
8	2315-8275025	SURFACING, DRIVEWAY, CLASS A CRUSHED STONE	TON	6	Granular surface shall have a minimum depth of 6 inches. Refer to D Sheets for locations and details.
9	2511-0300000	REMOVAL OF RECREATIONAL TRAIL	SY	13	This item is for the removal of the existing PCC concrete trail from Sta. 1+32.15 to Sta. 1+42.15 and PCC bench pad at Sta. 11+78.50, +8.8'. The existing PCC concrete trail depth is 6 inches.

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10	2511-0301500	RECREATIONAL TRAIL, HOT MIX ASPHALT, 5 IN.	SY	9,752	See typical sections on B Sheets. See WHKS-1 on C Sheets and D Sheets for details. Prepare subgrade as per Section 2109.03.A. Preparation of subgrade shall be considered incidental to this bid item. Certified Plant Inspection shall be considered incidental to this bid item.
11	2511-0302600	RECREATIONAL TRAIL, PORTLAND CEMENT CONCRETE, 6 IN.	SY	83	This item is for concrete surfacing at detectable warning locations. Refer to WHKS-1 on C Sheets, D Sheets, Sheet L.1, and S Sheets for details. Certified Plant Inspection shall be considered incidental to this bid item.
12	2511-7528101	DETECTABLE WARNINGS	SF	130	Refer to Tab. 113-01 on Sheet S.4. Detectable warnings shall be cast iron per Article 4171 of the standard specifications. Detectable warnings shall be colored Federal Brick Red #22144, or approved equal.
13	2515-2475007	DRIVEWAY, P.C. CONCRETE, 7 IN.	SY	67	Refer to WHKS-1 on Sheet C.6, Sheet L.1, and Sheet S.3 for details. Certified Plant Inspection shall be considered incidental to this bid item.
14	2524-6765010	REMOVE AND REINSTALL SIGN AS PER PLAN	EACH	7	Refer to Tabs. 190-61. The contractor shall remove each sign and the hardware used to secure the sign to another sign, posts, or sign support structure. For signs mounted directly to posts, removal of the sign shall include removal of the posts. Posts may be either wood posts or steel breakaway signposts. Holes remaining from the removal of wood posts shall be backfilled with suitable earth to the original level or to the natural ground surface in accordance with article 2402.09 of the standard specifications. All posts and signs shall be removed and stored. Signs damaged by the contractor's activities shall be replaced at the contractor's expense. Replacement materials shall be new. The DOT will furnish all details necessary for fabrication of the replacement materials. Method of measurement: The engineer will count each sign removed and reinstalled. Basis of payment: For each sign removed and reinstalled, the contractor shall be paid the contract unit price.
15	2528-2518000	SAFETY CLOSURE	EACH	5	Refer to Tab 108-13A and D Sheets for locations.

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16	2528-8445110	TRAFFIC CONTROL	LS	1	Traffic control shall comply with Iowa DOT Standard Drawings. All traffic control signs and devices shall be located, placed, and in conformance with the most recent edition of the Manual on Uniform Traffic Control Devices and the Iowa DOT Standards. All signs shall be in conformance with the Standard Highway Signs Book. All traffic control devices shall be furnished, erected, and maintained by the contractor. This shall include inspection during working hours, nighttime, and weekends to assure that the devices are correctly positioned and in working order. Where possible, all post-mounted signs shall be placed at least 2 feet beyond the curb or edge of shoulder. Work shall not begin without appropriate traffic control in place. The contractor is responsible for pedestrian and hazard protection not specifically shown on these plans but dictated by construction operations for the work area established by this contract. The bid item shall include the cost for all traffic and pedestrian protection control measures required of the contractor except for those which are separate bid items or are included with other bid items. The bid item shall also include installation and maintenance of all detour and traffic control signing. The location for storage of equipment by the contractor during non-working hours shall be in such a place so it is not subject to being hit by errant vehicles. Equipment shall not be stored where it blocks the view of traffic control devices or visibility at intersections.
17	2533-4980005	MOBILIZATION	LS	1	Payment for this bid item shall be in conformance with Iowa DOT Article 2533.05.
18	2599-9999009	('LINEAR FEET' ITEM) <i>SAFETY RAIL</i>	LF	148	Refer to Tab. WHKS-2 on Sheets C.6, D.6, and U.1 for locations and details. Rails and posts shall be 2 1/2-inch by 2 1/2-inch tubular high strength steel with 1/4-inch minimum wall thickness. Pickets shall be 1-inch by 1-inch tubular high strength steel with 1/8-inch minimum wall thickness. Rails, posts, and pickets shall comply with ASTM A 500, Grade B. All Safety Rails shall be painted with factory-mixed paint and primer. Primer shall be single component, water-based rust and corrosion resistant primer specifically designed for use on steel surfaces. Paint shall be water based, abrasion-resistant paint specifically designed for use on steel surfaces. Primer and paint shall be applied per the manufacturer's recommendation. Basis of Measurement will be in linear feet for each type of handrail, measured along the top of the handrail from end of rail to end of rail. Basis of Payment will be at the unit price per linear foot of handrail. Unit price shall include, but not limited to, posts, concrete for ground mounting, pickets, mounting hardware, epoxy grout, and finishing (painted, galvanized, or powder coated).

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19	2601-2634100	MULCHING	ACRE	7	This item is for application of mulch over permanent seeding and, if needed, stabilizing crop areas. Payment shall be for the limits of seeding. Perform mulching according to Article 2601.03, E, 2, of the Standard Specifications. Anchor mulch into the soil using mulch anchoring equipment with a minimum of two passes. Item is included for areas requiring reshaping and seedbed preparation. Use mulch that is certified noxious weed seed free mulch as certified by the Iowa Crop Improvement Association or adjacent states crop improvement associations. Mulch rate: 1 1/2 tons of dry cereal straw or native grass straw per acre. Mulching shall be applied as described in Standard Specification Section 2601. After seeding, mulch all areas disturbed by grading except where slope protection has been applied.
20	2601-2636043	SEEDING AND FERTILIZING (RURAL)	ACRE	3.5	This item includes permanent seeding and fertilizing of disturbed areas, with payment limited to 5 feet beyond the established topsoil stripping limits. Disturbed areas beyond these limits shall be the responsibility of the Contractor and shall be restored at no additional cost to the Owner. The item includes all labor, materials, equipment, mixing, storage facilities, and related activities necessary to complete the work. The Engineer will review and verify the applicable limits prior to the commencement of seeding operations.
21	2601-2638352	SLOPE PROTECTION, WOOD EXCELSIOR MAT	SQ	447	Refer to Tab. 100-22 for locations. Refer to Standard Road Plan EC-103. Prepare seedbed according to Article 2601.03, b, 4, of the Standard Specifications prior to seeding and fertilizing under the slope protection.
22	2601-2642100	STABILIZING CROP - SEEDING AND FERTILIZING	ACRE	3.5	Seed and fertilize all disturbed areas according to Article 2601.03, c, 1, of the Standard Specifications. If permanent seeding cannot be placed due to the restrictive planting dates, stabilizing crop will need to be placed on all disturbed areas as temporary erosion control. Preparation and seeding shall be performed in accordance with Section 2601. Stabilizing crop will not be used when the application dates in Section 2601 allows permanent seeding. If stabilizing crop must be used, place immediately following completions of finished grading. Reseeding of these areas will be required at Contractor's expense if damage occurs due to Contractor's negligence during the contract period. It is not necessary to place stabilizing crop in locations that have to be covered by wood excelsior mat.
23	2601-2643110	WATERING FOR SOD, SPECIAL DITCH CONTROL, OR SLOPE PROTECTION	MGAL	88	This bid item is to be used for watering of slope protection areas or as directed by the Engineer. The quantity of MGAL (1000 gallons) was estimated based on four waterings at a rate of 50 gallons per square (100 sq. ft.).
24	2601-2643300	MOBILIZATION FOR WATERING	EACH	4	Item includes one mobilization for each watering project trip encompassing all locations on the project.
25	2602-0000150	STABILIZED CONSTRUCTION ENTRANCE, EC-303	LF	400	See R Sheets for locations and details.
26	2602-0000309	PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE, 9 IN. DIA.	LF	19,540	Refer to Tab. 100-19. The tabulation includes estimated locations for placement of "Perimeter and Slope Sediment Control Device, 9 in. dia." to address erosion to be encountered during construction. Verify the specific locations with the Engineer prior to beginning placement. Bid item includes 10% additional quantity for field adjustments and replacements. Use Perimeter and Slope Sediment Control Devices fabricated using wood excelsior.

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27	2602-0000351	REMOVAL OF PERIMETER AND SLOPE OR DITCH CHECK SEDIMENT CONTROL DEVICE	LF	19,540	Refer to Tab. 100-19. This item is for the removal of devices for areas that have achieved 70% growth with the Engineer's approval.
28	2602-0010010	MOBILIZATIONS, EROSION CONTROL	EACH	6	Item includes one mobilization for each crew installing or removing for seeding (1), sediment control devices (2), slope protection (1), and stabilized construction entrance (2).
29	2602-0010020	MOBILIZATIONS, EMERGENCY EROSION CONTROL	EACH	1	

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PROJECT DESCRIPTION This project is for the paving of a 10-foot wide HMA recreational trail starting at the Dyersville, IA trail head and extending 2.0 miles, easterly.		100_01D 8/15/22
GENERAL NOTES		GENERAL Special
1. The Contractor is encouraged to perform their operations as professionally as possible to minimize conflicts with the public.		
2. Emergency access shall be maintained on all of the streets at all times.		
3. Do not store equipment and/or materials on pavement or within public right of way on streets open to traffic. The Contractor shall provide areas as needed for storage of equipment and/or materials and may coordinate with the City to agree on approved areas.		
4. It shall be the Contractor's responsibility to provide waste areas or disposal sites for waste material which is not desirable to be incorporated in the work involved on this project (excavation, broken concrete, etc.). The Contractor shall keep construction debris off of adjacent streets and properties. Dispose of in accordance with local, state and federal requirements.		
5. Confine all construction activities for the project as bounded by the right of way, property lines, easements, and construction or access limits. In general the construction limits are approximately 15 feet left and right of centerline. The Contractor is encouraged to minimize areas disturbed by construction. 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 areas will be subject to the approval of the Engineer. Areas disturbed outside of the limits shall be restored at the Contractor's expense.		
6. Any disturbed or damaged areas shall be repaired, replaced, or restored to its original grade and condition including construction areas, access locations, haul roads, etc. This includes, but is not limited to seeding, fertilizing, mulching, seeding warranty, and sodding that shall be completed in accordance to the specifications and shall be considered incidental to other items on this project.		
7. All holes resulting from operations of the Contractor, including removal of fence posts, utility holes, 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 no later than the following day. Any portion of the right of way or project limits disturbed by and such operations shall be restored to an acceptable condition. This operation shall be considered incidental to other bid items in the project.		
8. The Contractor is fully liable for all damages to public or private property caused by its action or inaction during construction.		
9. Do not restrict drainage and protect all existing drainage structures unless noted otherwise. The Contractor is fully liable for all damages to public or private property caused by its action or inaction for providing for the handling of storm water flow during construction.		
10. The Contractor shall take all precautions not to damage pavement, sidewalks, drives, curbs, and other areas not designated as part of the work area. The Contractor shall repair any damage to areas not designated as part of the work at no cost to the Contracting Authority.		
11. 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 purpose of sidewalk or recreational trail removal. All existing sidewalk to be removed shall be sawed full depth. Remove and replace all damaged surfacing not noted in the plans without any additional compensation.		
12. Provide erosion control measures necessary to protect against siltation, erosion, and dust pollution on the project site and any off-site areas used for this project. Comply with the soil erosion control requirements of the Iowa Code and all local ordinances.		
13. The Contractor shall have equipment readily available to clean track out dirt or other construction debris entering the roadways.		
14. The Contractor shall replace any property pins disturbed or removed due to construction using a licensed surveyor. The cost of any property pin replacements shall be included in the unit prices for the project bid items.		
15. Any street signs in conflict with traffic control operations may be covered or removed as necessary, subject to approval of the Engineer. Contractor to notify City of Dyersville 48 hrs. prior to installation of any traffic control devices, or the removal or covering of any signs.		

GENERAL NOTES		GENERAL Special
16. If questionable relevant artifacts are found during construction, stop construction immediately and contact the Engineer to contact the State Historical Society of Iowa.		
17. Construction staking for this project will be provided by WHKS. Project datum: NAD83 (2011) Coordinate system: Iowa North Zone (U.S. Survey Feet) Vertical Datum: NAVD88 Geoid Model: 2018u2 A digital surface model in the form of a CAD drawing (.dwg) or xml file will be provided upon request.		
18. The contractor shall provide a minimum of 48-hour notice to the Engineer for new stakes. Contractor shall endeavor to schedule work and coordinate staking needs to provide a minimum of 4 hours for each staking mobilization. Staking will not be performed on holidays or weekends. Damaged or disturbed stakes shall be reset by the Engineer at the Contractor's expense.		
The Engineer shall provide control stakes for contractor use. The location, number, and offsets for stakes shall be coordinated with the contractor. Survey site control is indicated on the drawings. Contractors using GPS shall coordinate initial site calibration with the Engineer. If existing control is compromised or additional control is required, it shall be provided by, and at the discretion of, the Engineer.		
The Engineer will provide construction staking for grading, paving and municipal utilities (storm, sanitary, water). Offset stakes for utilities will be provided as follows: two offset stakes for each sanitary structure, three offsets for each catch basin (includes curb alignment), two offsets for each storm manhole/junction box and inlet, one line of water main offsets at intervals of 100 feet (including hydrants, tees, and bends). Offsets for grading and paving will be provided as follows: one row on centerline for subgrade at intervals of 100 feet on tangents and 50 feet horizontal and/or vertical curves (assuming the contractor is not using machine control), two rows (one on each side of the paving) at top of curb or top of pavement grade at intervals of 50 feet on tangents and 25 feet on horizontal and/or vertical curves for roadway paving, high and/or low points, end of radii, and radius points will be provided as deemed necessary by the Engineer. Two offset stakes will be provided at the bottom of each ADA curb ramp (location, width, elevation) at the back of curb. Staking for structures will be provided as follows: centerline of pre-cast box culverts, and outside walls of cast-in-place box culverts. One line of offset stakes shall be set for retaining wall alignment and footing steps.		
The Engineer will not provide construction staking for individual piles, erosion control measures (silt fence, ditch checks, etc.), traffic controls, pavement markings, landscaping, seeding areas, removal limits and quantities.		

INDEX OF TABULATIONS				111_25 4/21/26
Line No.	Tabulation	Tabulation Title	Sheet No.	
1.0	100_01D	PROJECT DESCRIPTION	C.5	
2.0	111_25	INDEX OF TABULATIONS	C.5	
3.0	SPECIAL	GENERAL NOTES	C.5	
4.0	SPECIAL	UTILITY NOTES	C.6	
5.0	105_04	STANDARD ROAD PLANS	C.6	
6.0	103_10	TOPSOIL STRIPPING AND PLACEMENT	C.6	
7.0	110_05	SIDEWALK REMOVAL	C.6	
8.0	110_17	CLEARING AND GRUBBING	C.6	
9.0	190_61	EXISTING SIGNS TO BE REINSTALLED	C.6	
10.0	232_03A	EROSION CONTROL (RURAL SEEDING)	C.6	
11.0	262_06	UTILITIES (NOT A POINT 25 PROJECT)	C.6	
13.0	290_02	SMALL QUANTITY CONCRETE TESTING	C.6	
14.0		RECREATIONAL TRAIL	C.7	
15.0	108_13A	SAFETY CLOSURES	C.7	
16.0		SAFETY RAIL	C.7	
17.0	110_12L	POLLUTION PREVENTION PLAN	R.1 - R.2	
18.0	100_19	PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE	R.3	
19.0	100_22	ROLLED EROSION CONTROL	R.3	
20.0	113_01	SIDEWALKS	S.4	
21.0	113_10	SIDEWALK COMPLIANCE	S.4	

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UTILITY
SPECIAL

UTILITY NOTES

1. The Engineer has attempted to show on the plans all aboveground and underground facilities, including public and private utilities, which may be affected by the work. The location, depth, and size of each such facility shown on the plans is approximate only and is not guaranteed. Other underground facilities may exist and their location may not be presently known or identified. It is the Contractor's responsibility to determine the existence and exact location of all such facilities located within the construction area to avoid damage.

2. Where existing facilities are shown in the contract documents or encountered within the construction area, it shall be the responsibility of the Contractor to notify the operators of those facilities prior to beginning any construction activities. The Contractor shall allow access to those facilities for necessary modification of services. The Contractor shall support, sustain, and protect existing pipes, conduits, poles, wires, and other apparatus located under, over, along, across, or adjacent to the work site. If such utilities are damaged through Contractor's negligence, they will be repaired by the agencies having control of same, but the cost of such repairs shall be paid by the Contractor.

3. The Contractor shall, prior to commencing any excavation or other operation that may affect underground facilities, notify the "Iowa One Call" underground facility locate system, established pursuant to Iowa Code Chapter 480. The Contractor shall, if requested by the operator of an underground facility, assist in the location of its facilities; provided, however, the Jurisdiction shall not be responsible to the Contractor or to any operator of an underground facility for the cost of locating such facility, or for any damage to such facility that occurs in attempting to locate it, or for any damage to the facility occasioned by the Contractor's performance of work under the contract.

4. Claims for additional compensation will not be allowed to the Contractor for any interference, delay, or additional work occasioned by the location or adjustment of aboveground or underground facilities, or connections thereto.

103_10
4/30/25

TOPSOIL STRIPPING AND PLACEMENT

Line No.	Road Identification	Dir. of Traffic	Station From	Station To	Topsoil Stripping Thickness (IN)	Topsoil Placement Thickness (IN)	Remarks
1.0	Heritage Trail	2-Lane	1+62.04	38+37.89	4.0	4.0	
2.0	Heritage Trail	2-Lane	38+75.66	90+50.00	4.0	4.0	

105_04
4/21/26

STANDARDS

The following Standards apply to construction work on this project.

Number	Date	Title
EC-103	04-21-15	Wood Excelsior Mat for Slope Protection
EC-204	10-19-21	Perimeter, Slope and Ditch Check Sediment Control Devices
EC-303	10-19-21	Stabilized Construction Entrance
MI-220	04-15-25	Detectable Warnings and Pedestrian Ramp
PV-101	10-21-25	Joints
TC-1	10-15-19	Work Not Affecting Traffic (Two-Lane or Multi-Lane)
TC-202	04-18-23	Work Within 15 ft of Traveled Way
TC-211	10-15-19	Lane Closure on Low Volume Roadway

110_05
8/15/22

SIDEWALK REMOVAL

* Not a bid item

Line No.	Station From	Station To	Area (SY)	Saw Cut* (LF)	Remarks
1.0	1+32.15	1+42.15	11.1	20.0	Existing PCC pavement depth is 6"

110_17
1/27/25

CLEARING AND GRUBBING

Line No.	Station From	Station To	Direction of Traffic	Work and Material Type	>3"-6"	>6"-9"	>9"-12"	>12"-15"	>15"-18"	>18"-24"	>24"-30"	>30"-36"	>36"-42"	>42"-48"	>48"-60"	>60"-72"	>72"	Other Materials Length (FT)	Other Materials Width (FT)	Estimated Units	Estimated Area (Acres)	Estimated Herbicide Application (EA)	Remarks
1.0	30+00.00	38+18.00	EB	Trees - Clearing and Grubbing																	0.123		
2.0	30+00.00	37+87.46	WB	Trees - Clearing and Grubbing																	0.118		
4.0	39+15.00	72+00.00	WB	Trees - Clearing and Grubbing																	0.513		
5.0	39+26.92	72+00.00	EB	Trees - Clearing and Grubbing																	0.539		

190_61
2/10/23

EXISTING SIGNS TO BE REINSTALLED

Line No.	Sign Description	Direction of Travel	Location Station	Number of Posts	Square Tube Steel Posts	Wood Posts 4"x4" (L F)	Wood Posts 4"x6" (L F)	Installation Type	Installation Dim 'X'	See Signing Notes
1.0	Stop Sign	Left	1+40.18	1					6.8	Save and Reinstall Existing Posts
2.0	Trail Information Board	Right	2+48.42	2					8.5	Save and Reinstall Existing Posts
3.0	Trail Information Board	Right	2+56.14	2					8.0	Save and Reinstall Existing Posts
4.0	Regulatory Sign	Right	2+60.66	1					8.0	Save and Reinstall Existing Posts
5.0	No Motor Vehicles	Left	37+86.08	1					10.0	Save and Reinstall Existing Posts
6.0	Stop Sign	Right	38+15.40	1					7.3	Save and Reinstall Existing Posts
7.0	No Motor Vehicles	Right	39+14.40	1					7.6	Save and Reinstall Existing Posts

262_06
9/28/22

UTILITIES (NOT A POINT 25 PROJECT)

This is NOT a POINT 25 project and is not subject to the provisions of IAC 761-115.25.

271_02
9/28/22

DEMOLITION (TREE REMOVAL)

Contractor shall remove only those trees as necessary to facilitate the removal of buildings, debris and materials as directed by the engineer.

FILE NO.

ENGLISH

DESIGN TEAM

WHKS

DUBUQUE

COUNTY

PROJECT NUMBER

TAP-R-C031(129)--8T-31

SHEET NUMBER

C.7

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RECREATIONAL TRAIL										WHKS-1
Begin Station	End Station	Total Area by Depth (SY)			Tonnage (TON)	Granular Subbase (SY)	Special Backfill (SY)	Granular Shoulders, Type A (TON)	Section Type	Remarks
		5" HMA	6" PCC	7" PCC	6" Granular					
1+32.15	1+42.15		11				16	1	PCC	Refer to Sheet B.2, L.1, & S.1
1+42.15	1+61.98							2		Existing PCC Trail
1+61.98	38+21.56	4066				4066		427	HMA	Refer to Sheet B.1
38+21.56	38+37.89		20				28	2	PCC	Refer to Sheet B.2, L.1, & S.2
38+75.66	38+92.41		21				29	2	PCC	Refer to Sheet B.2, L.1, & S.2
38+92.41	90+09.23	5685				5685		597	HMA	Refer to Sheet B.1
90+09.23	90+23.25		14				20	2	PCC	Refer to Sheet B.2, L.1, & S.3
90+23.25	90+35.24			67			94	1	PCC	Refer to Sheet B.2, L.1, & S.3
90+35.24	90+50.00		17				24	2	PCC	Refer to Sheet B.2, L.1, & S.3
90+50.00	90+55.00				2					Refer to Sheet B.2
90+22.54, -30'	90+23.75, -25'				2					Refer to Sheet L.1, & S.3
90+35.16, +25'	90+36.37, +30'				2					Refer to Sheet L.1, & S.3
	Totals:	9752	83	67	6	9752	210	1036		

232_03A
9/28/22

EROSION CONTROL (RURAL SEEDING)

Area to be seeded is estimated to be less than 1 acre. If the contractor determines the area exceeds 2 acres, notify the Engineer. Approved quantity in excess of 2 acres will be paid for as extra work according to Article 1109.03,B of the Standard Specifications.

Following the completion of work in a disturbed area and according to the seeding dates in Section 2601 of the Standard Specifications, place seed, fertilizer, and mulch on the disturbed area lying 8 feet adjacent to shoulder and median as follows:

Place seed and fertilize according to the requirements of Article 2601.03,C,3 and Section 4169 of the Standard Specifications.

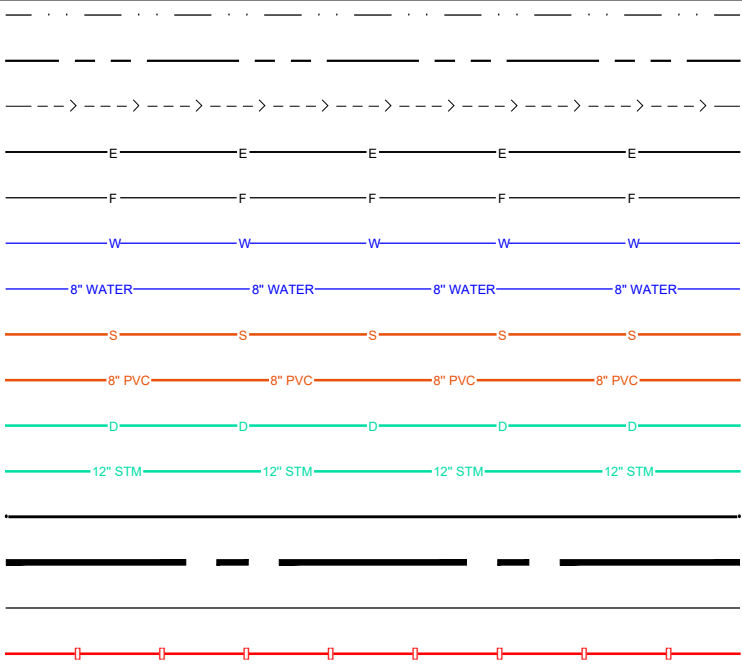
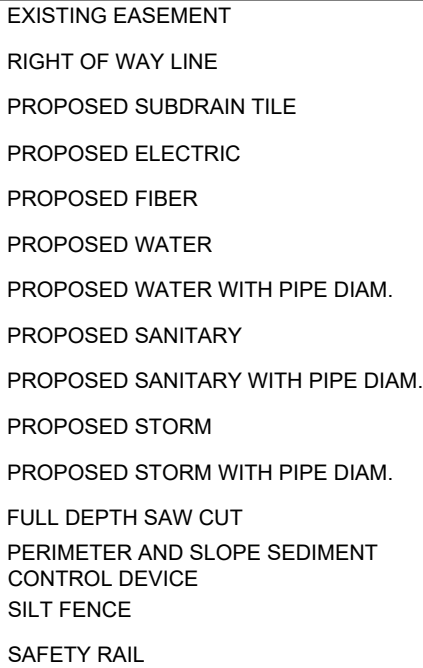
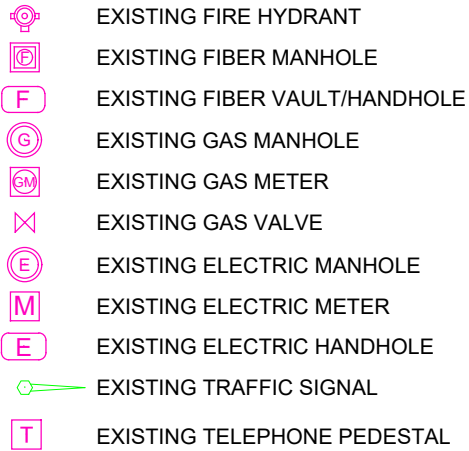
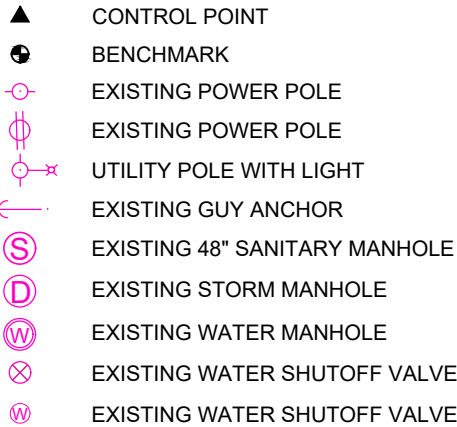
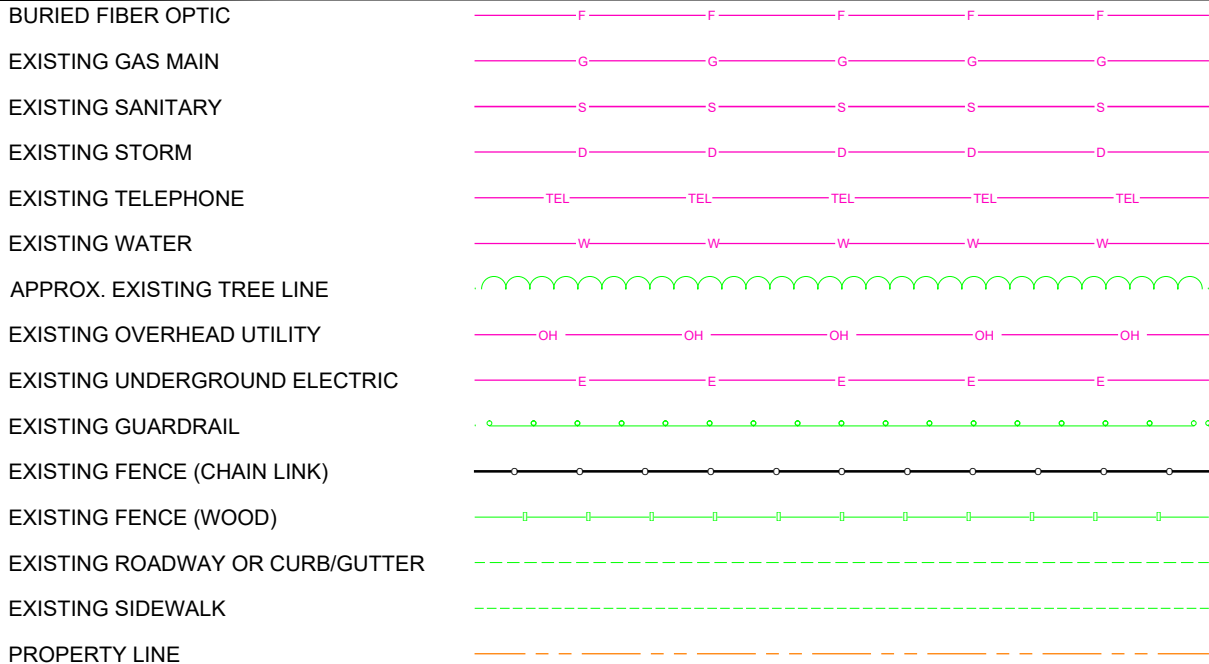
Place mulch according to the requirements of Articles 2601.03,E,2,a and 4169.07,A of the Standard Specifications.

Preparing the seedbed, furnishing and applying seed, fertilizer, and mulch are all incidental to mobilization and will not be paid for separately.

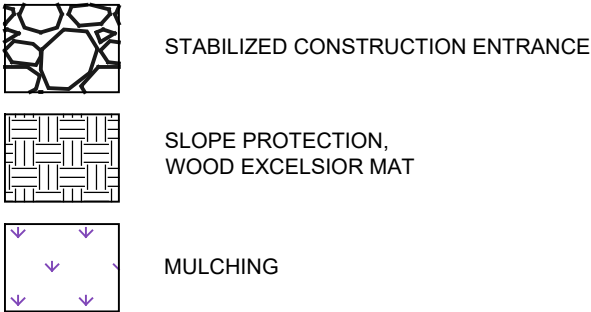
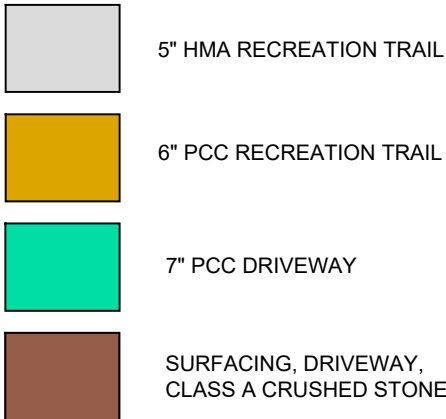
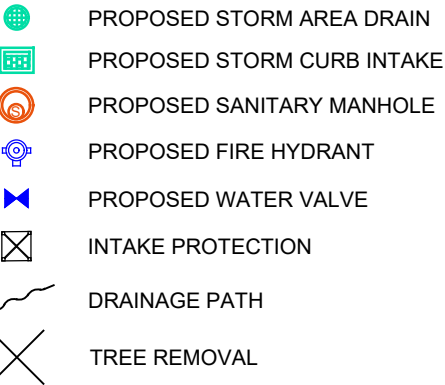
SAFETY RAIL				WHKS-2
Begin Station	End Station	Length (LF)	Remarks	
42+16.74, -13'	42+22.41, -8'	7	See Sheet U.1 for details	
42+22.41, -8'	42+82.41, -8'	60		
42+82.41, -8'	42+88.05, -13'	7		
42+22.21, +13'	42+22.21, +8'	7		
42+22.21, +8'	42+82.21, +8'	60		
42+82.21, +8'	42+87.88, +13'	7		
	Totals:	148	See Sheet D.6 for locations	

SAFETY CLOSURES				108_13A 3/27/25
Station	Road Closure Qty.	Hazard Closure Qty.	Remarks	
1+32.15	1			
38+37.00	1			
38+76.00	1			
90+10.00	1			
90+40.00	1			

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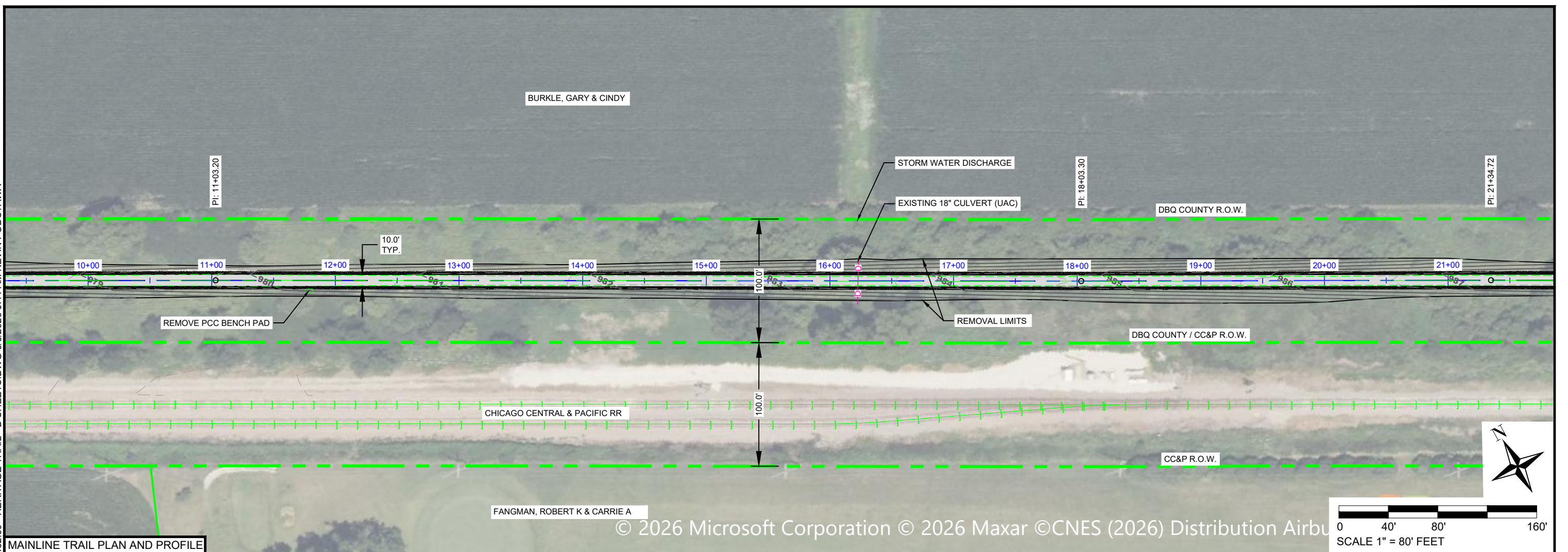


NOTE: SIZE OF SYMBOLS AND HATCHES MAY VARY WITH SCALE OF PLANS



STANDARD ABBREVIATIONS

ABV	ABOVE	CNTY	COUNTY	FDN	FOUNDATION	LGT	LIGHTING	PL	PROPERTY LINE	SURF	SURFACE
A/C	AIR CONDITIONING	CTH	COUNTY TRUNK HIGHWAY	FR	FRAME	LF	LINEAR FEET	PR	PROPOSED	SWPPP	STMWATER POLLUTION PREV. PLAN
AC	ACRE	CSE	COURSE	F&G	FRAME & GRATE	L	LENGTH (OF CURVE)	R	RADIUS	TAN	TANGENT
ADJ	ADJUST	XSECT	CROSS SECTION	F&I	FURNISH AND INSTALL	LNG	LONGITUDINAL	RR	RAILROAD	TEL	TELEPHONE
AGG	AGGREGATE	CU YD	CUBIC YARD	GAL	GALLON	L SUM	LUMP SUM	RL	REFERENCE LINE	TB	TELEPHONE BOX
ASPH	ASPHALT	CULV	CULVERT	GM	GAS METER	MB	MAIL BOX	RCP	REINFORCED CONCRETE PIPE	TP	TELEPHONE POLE
AUX	AUXILIARY	C&G	CURB & GUTTER	GV	GAS VALVE	MH	MANHOLE	REBAR	REINFORCEMENT BAR	TEMP	TEMPORARY
AVE	AVENUE	DEG	DEGREE	GRAN	GRANULAR	MATL	MATERIAL	REL	RELOCATE	TBE	TO BE EXTENDED
BOC	BACK OF CURB	D	DEGREE OF CURVE	GR	GRATE	MED	MEDIAN	REM	REMOVAL	TBR	TO BE REMOVED
B/B	BACK TO BACK	DIA	DIAMETER	GRVL	GRAVEL	METH	METHOD	REP	REPLACEMENT	TBS	TO BE SAVED
BARR	BARRICADE	DIST	DISTRICT	GND	GROUND	MIX	MIXTURE	REQD	REQUIRED	TOC	TOP OF CURB
BM	BENCHMARK	DOM	DOMESTIC	GUT	GUTTER	MOD	MODIFIED	RESURF	RESURFACING	TWP	TOWNSHIP
BIND	BINDER	DBL	DOUBLE	GP	GUY POLE	NB	NORTHBOUND	RET	RETAINING	TS	TRAFFIC SIGNAL
BIT	BITUMINOUS	DSEL	DOWNSTREAM ELEVATION	GW	GUY WIRE	NIC	NOT IN CONTRACT	RT	RIGHT	TSCB	TRAFFIC SIGNAL CONTROL BOX
BTM	BOTTOM	DSFL	DOWNSTREAM FLOW LINE	HH	HANDHOLE	NTS	NOT TO SCALE	ROW	RIGHT-OF-WAY	TY	TYPE
BLVD	BOULEVARD	DR	DRAINAGE OR DRIVE	HDW	HEADWALL	NO	NUMBER	RD	ROAD	TYP	TYPICAL
BRK	BRICK	DI	DUCTILE IRON	HDUTY	HEAVY DUTY	OD	OUTSIDE DIAMETER	RDWY	ROADWAY	UG	UNDERGROUND
BLDG	BUILDING	DRV	DRIVEWAY	HT	HEIGHT	PAT	PATTERN	RTE	ROUTE	USGS	U.S. GEOLOGICAL SURVEY
BOC	BACK OF CURB	e	SUPERELEVATION	HDPE	HIGH DENSITY POLYETHYLENE	PVD	PAVED	SALV	SALVAGE	USEL	UPSTREAM ELEVATION
CIP	CAST IRON PIPE	EA	EACH	HES	HIGH EARLY STRENGTH	PVMT	PAVEMENT	SAN	SANITARY	USFL	UPSTREAM FLOW LINE
CB	CATCH BASIN	EB	EASTBOUND	HWY	HIGHWAY	PM	PAVEMENT MARKING	SEC	SECTION	UAC	USE AS CONSTRUCTED
CL	CENTERLINE	EOP	EDGE OF PAVEMENT	HORIZ	HORIZONTAL	PED	PEDESTAL OR PEDESTRIAN	SHAP	SHAPING	UTIL	UTILITY
CERT	CERTIFIED	ELEC	ELECTRIC	HMA	HOT MIX ASPHALT	PNT	POINT	SHLD	SHOULDER	VBOX	VALVE BOX
CL	CLASS	EL	ELEVATION	IMP	IMPROVEMENT	PC	POINT OF CURVATURE	SDWK	SIDEWALK	VLT	VAULT
CO	CLEAN OUT	EMB	EMBANKMENT	IN	INCH	PI	POINT OF INTERSECTION	SIG	SIGNAL	VERT	VERTICAL
CLSD	CLOSED	EW	ENDWALL	INL	INLET	PRC	POINT OF REVERSE CURVE	SB	SOUTHBOUND	VC	VERTICAL CURVE
CT	COURT	ENTR	ENTRANCE	ID	INSIDE DIAMETER	PT	POINT OF TANGENCY	SPL	SPECIAL	VPC	VERTICAL POINT OF CURVATURE
COMB	COMBINATION	EXC	EXCAVATION	INST	INSTALL	POT	POINT ON TANGENT	SQ	SQUARE	VPI	VERTICAL POINT OF INTERSECTION
CE	COMMERCIAL ENTRANCE	EX	EXISTING	INV	INVERT	PVC	POLYVINYL CHLORIDE	SF	SQUARE FOOT	VPT	VERTICAL POINT OF TANGENCY
CONC	CONCRETE	F/F	FACE TO FACE	IP	IRON PIPE	PCC	PORTLAND CEMENT CONCRETE	SY	SQUARE YARD	VCP	VITRIFIED CLAY PIPE
CONST	CONSTRUCT	FP	FENCE POST	IR	IRON ROD	PSI	POUND PER SQUARE INCH	STB	STABILIZED	VOL	VOLUME
CONT	CONTINUOUS	FERT	FERTILIZER	JT	JOINT	PP	POWER POLE	STD	STANDARD	WM	WATER METER
CP	CONTROL POINT	FE	FIELD ENTRANCE	JCT	JUNCTION	PE	PRIVATE ENTRANCE	STH	STATE TRUNK HIGHWAY	WMAIN	WATER MAIN
COR	CORNER	FH	FIRE HYDRANT	LS	LANDSCAPING	PROF	PROFILE	STA	STATION	WV	WATER VALVE
CMP	CORRUGATED METAL PIPE	FL	FLOW LINE	LN	LANE	PGL	PROFILE GRADE LINE	STM	STORM OR STORM SEWER	WB	WESTBOUND
CPE	CORRUGATED POLYETHYLENE	FT	FOOT	LT	LEFT	P.C.	PROPERTY CORNER	ST	STREET	W/	WITH
CPP	CORRUGATED PLASTIC PIPE	FTG	FOOTING	LP	LIGHT POLE			STR	STRUCTURE	W/O	WITHOUT



C/L GRADES	EXISTING																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
	PROPOSED	978.77	979.52	979.01	979.70	979.24	979.88	979.44	980.06	979.53	980.24	979.61	980.43	979.79	980.61	980.00	980.79	980.20	980.97	980.36	981.15	980.52	981.33	980.71	981.51	980.90	981.70	981.10	981.88	981.35	982.06	981.58	982.24	981.73	982.42	981.87	982.60	982.01	982.78	982.16	982.97	982.31	983.15	982.47	983.33	982.65	983.51	982.98	983.69	983.29	983.87	983.55	984.06	983.81	984.24	983.88	984.42	983.93	984.60	984.06	984.78	984.28	984.96	984.49	985.14	984.67	985.33	984.85	985.51	984.96	985.69	985.07	985.87	985.23	986.05	985.47	986.23	985.71	986.42	985.96	986.60	986.21	986.78	986.41	986.96																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
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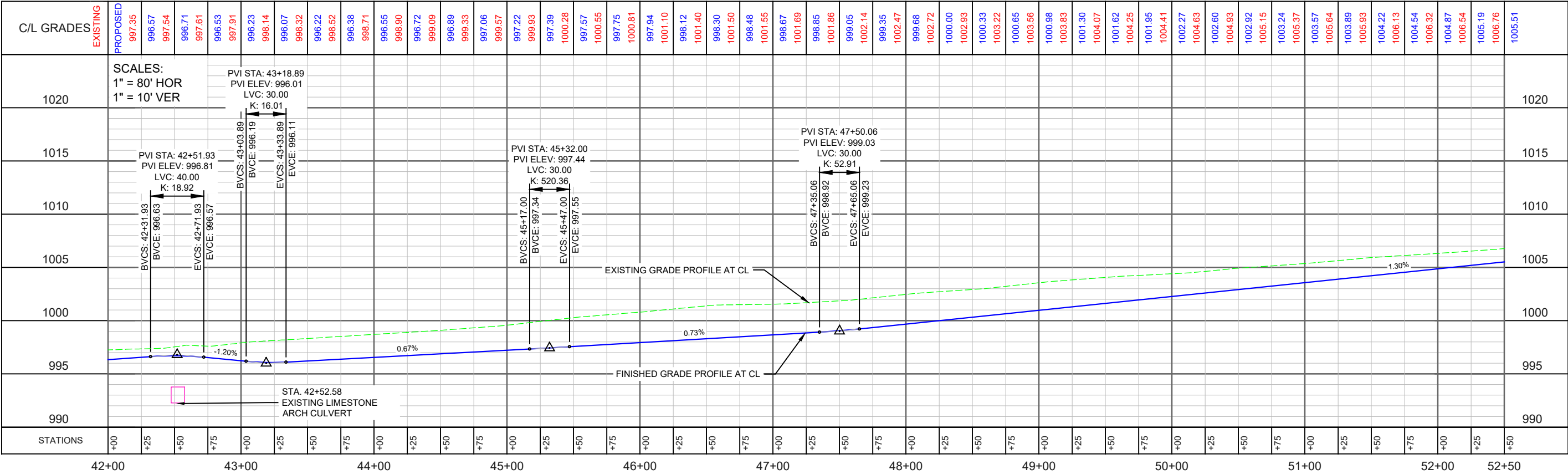
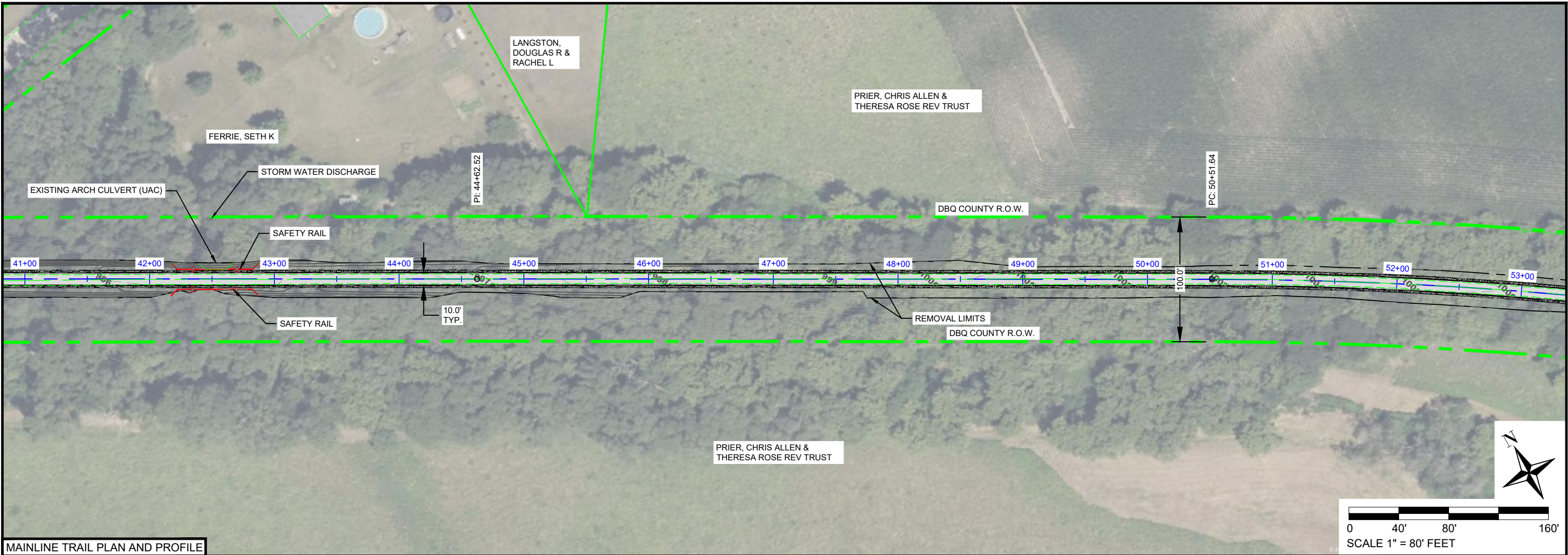
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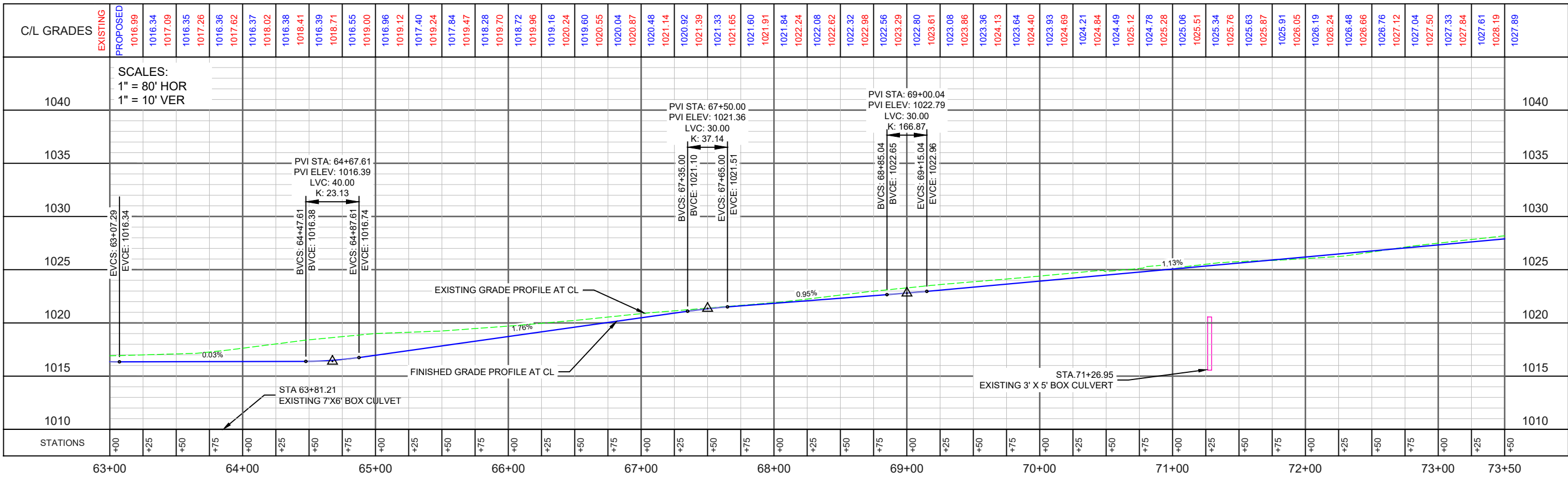
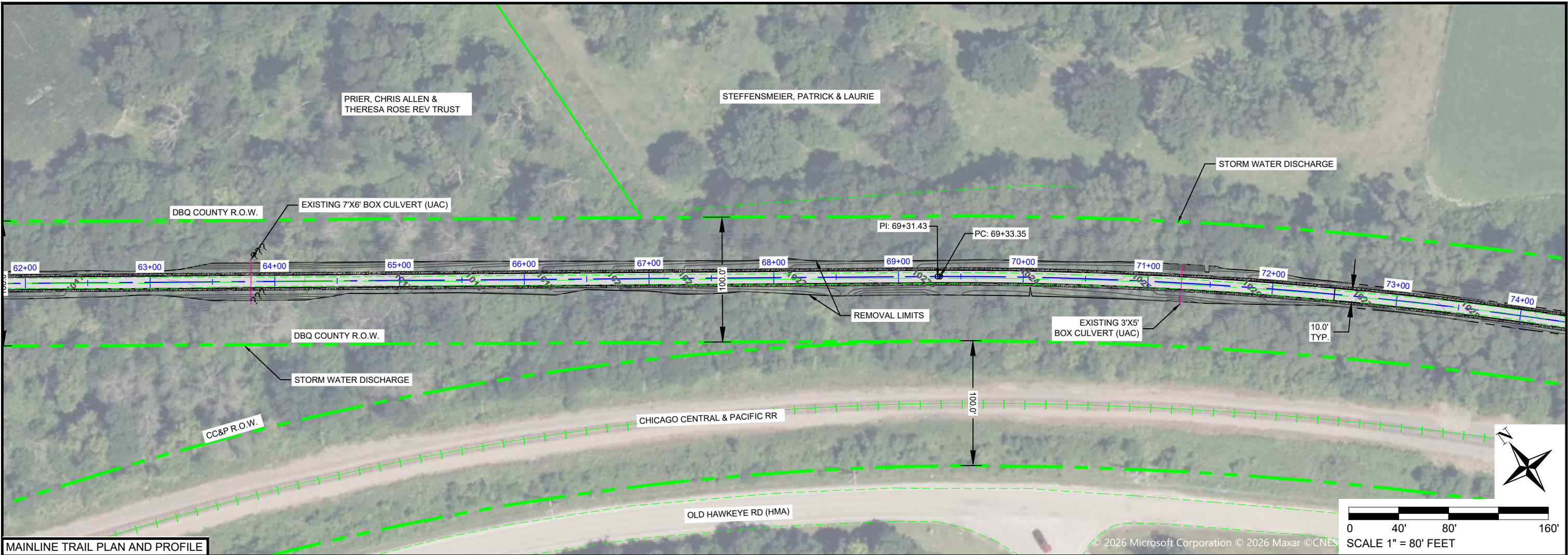


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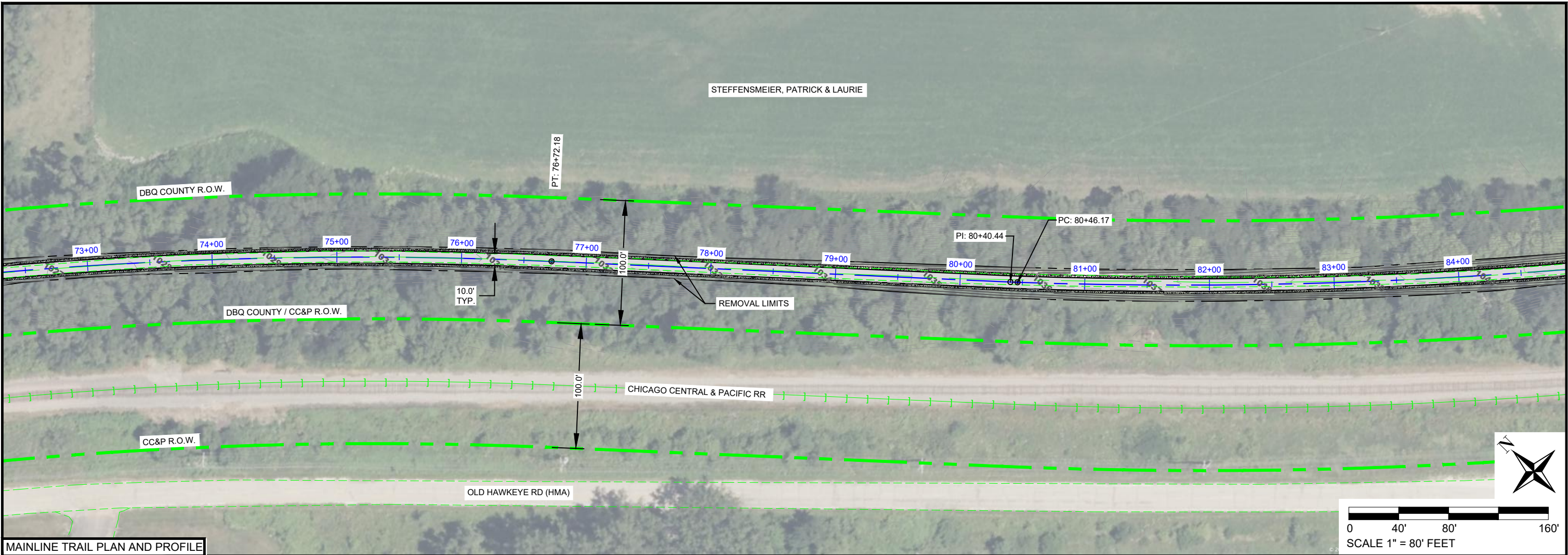
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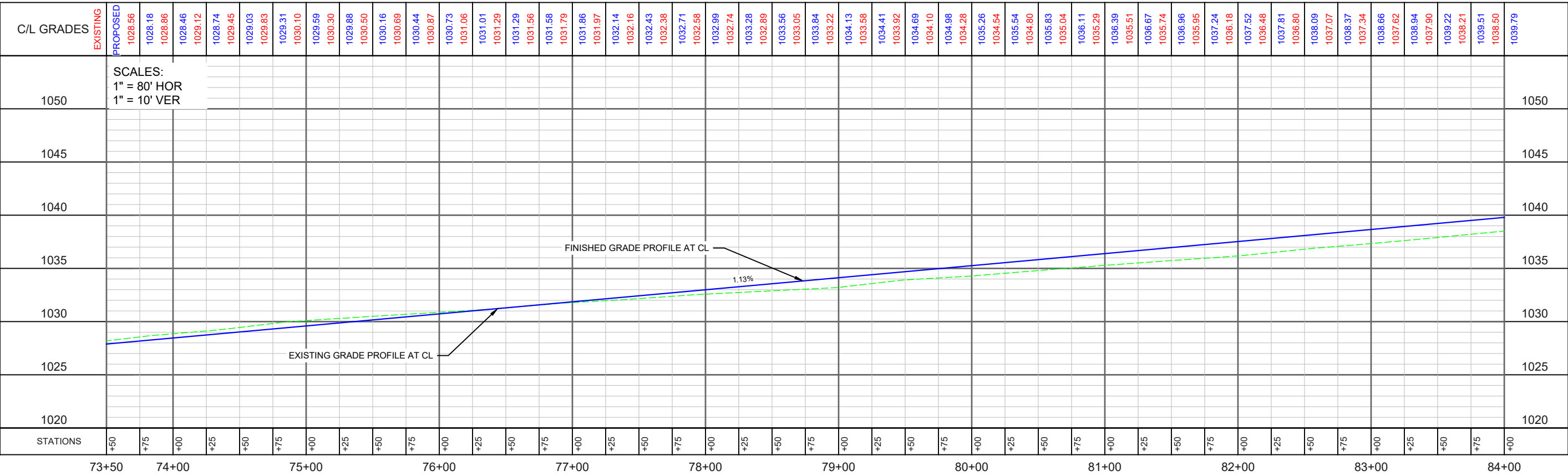
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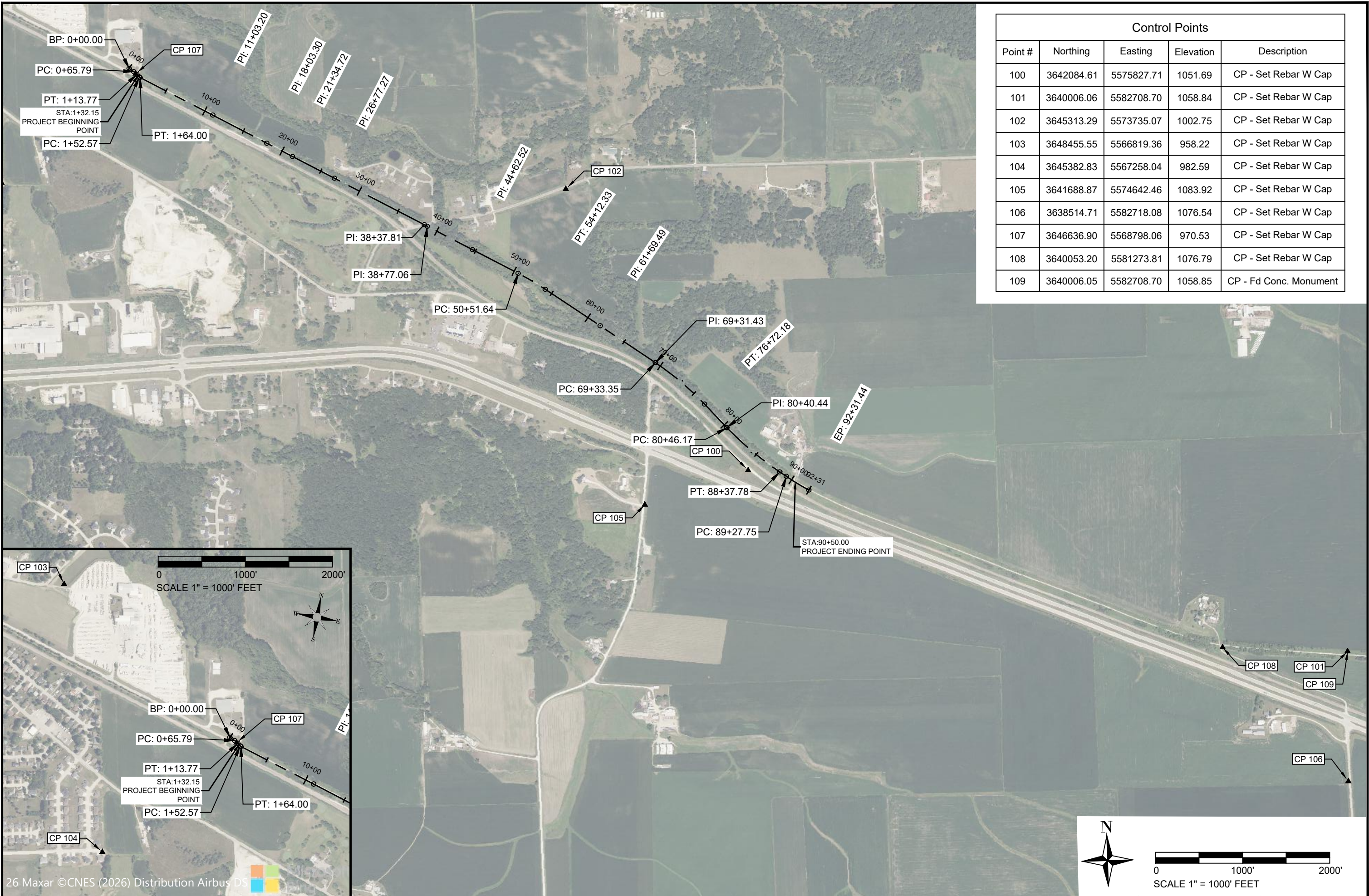


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Control Points				
Point #	Northing	Easting	Elevation	Description
100	3642084.61	5575827.71	1051.69	CP - Set Rebar W Cap
101	3640006.06	5582708.70	1058.84	CP - Set Rebar W Cap
102	3645313.29	5573735.07	1002.75	CP - Set Rebar W Cap
103	3648455.55	5566819.36	958.22	CP - Set Rebar W Cap
104	3645382.83	5567258.04	982.59	CP - Set Rebar W Cap
105	3641688.87	5574642.46	1083.92	CP - Set Rebar W Cap
106	3638514.71	5582718.08	1076.54	CP - Set Rebar W Cap
107	3646636.90	5568798.06	970.53	CP - Set Rebar W Cap
108	3640053.20	5581273.81	1076.79	CP - Set Rebar W Cap
109	3640006.05	5582708.70	1058.85	CP - Fd Conc. Monument

FILE NO.

ENGLISH

DESIGN TEAM

WHKS

DUBUQUE

COUNTY

PROJECT NUMBER

TAP-R-C031(129)--8T-31

SHEET NUMBER

G.1



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POLLUTION PREVENTION PLAN

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

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

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

I. ROLES AND RESPONSIBILITES

- A. Designer:

1. Prepares Base PPP included in the project plan.

2. Prepares Notice of Intent (NOI) submitted to Iowa DNR.

3. Is signature authority on the Base PPP. If consultant designed, signature from Contracting Authority is also required.
- B. Contractor:

1. Signs a co-permittee certification statement adhering to the requirements of the NPDES permit and this PPP. All co-permittees are legally required under the Clean Water Act and the Iowa Administrative Code to ensure compliance with the terms and conditions of this PPP.

2. Designates a Water Pollution Control Manager (WPCM), who has the duties and responsibilities as defined in Section 2602 of the Standard Specifications.

3. Submits an Erosion Control Implementation Plan (ECIP) and ECIP updates according to Section 2602 of the Standard Specifications.

4. Installs and maintains appropriate controls. This work may be subcontracted as documented through Subcontractor Request Forms (Form 830231).

5. Supervises and implements good housekeeping practices according to Paragraph III, C, 2.

6. Conducts joint required inspections of the site with inspection staff. When Contractor is not mobilized on site, Contractor may delegate this responsibility to a trained or certified subcontractor. Contracting Authority also may waive joint inspection requirement during winter shutdown. In both circumstances, WPCM (or trained or certified delegate from the Contractor) is still responsible to review and sign inspection reports.

7. Complies with training and certification requirements of Section 2602 of the Standard Specifications.

8. Submits amended PPP site map according to Section 2602 of the Standard Specifications.
- C. Subcontractors:

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

2. Implement good housekeeping practices according to Paragraph III, C, 2.
- D. RCE/Project Engineer:

1. Is Project Storm Water Manager.

2. 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.

3. 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.

4. Supervises all work necessary to meet storm water requirements at the Project, including work performed by contractors and subcontractors.

5. 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.

6. Is familiar with the Project PPP and storm water site map.

7. Is the point of contact for the Project for regulatory officials, Inspector, contractors, and subcontractors regarding storm water requirements.

8. Is signature authority on Notice of Discontinuation.

9. Maintains an up-to-date record of contractors, subcontractors, and subcontracted work items through Subcontractor Request Forms (Form 830231).

10. 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,

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POLLUTION PREVENTION PLAN

- 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 10-foot wide HMA sidewalk/trail on Heritage Trail, from the east end of Beltline Rd to east 1.7 miles.

B. This PPP covers approximately 19.4 acres with an estimated 5.4 acres being disturbed. The portion of the PPP covered by this contract has 5.4 acres disturbed.

C. The PPP is located in an area of 12 soil association (Terril loam, Chelsea loamy fine sand, Lamont fine sandy loam, Dickinson fine sandy loam, Udifluvents, Clyde-Floyd complex, Ostrander loam, Schley loam, Olin sandy loam, Sogn loam, Emeline loam, Racine loam, & Wapsie loam). The estimated weighted average runoff coefficient number for this PPP after completion will be 0.23.
- D. Storm Water Site Map - Multiple sources of information comprise the base storm water site map including:

1. Drainage Patterns - Plan and Profile sheets and Situation plans.

2. Proposed Slopes - Cross Sections.

3. Areas of Soil Disturbance - Construction limits shown on Plan and Profile sheets.

4. Location of Structural Controls - Tabulations in C sheets.

5. Locations of Non-structural Controls - Tabulations in C sheets.

6. Locations of Stabilization Practices - Generally within construction limits shown on Plan and Profile sheets.

7. Surface Waters (including wetlands) - Project Location Map and Plan and Profile sheets.

8. Locations where Storm Water is Discharged - Plan and Profile 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 Hewitt Creek and ultimately into the Mississippi 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 Estimated Project Quantities (100-0A, 100-1A, or 100-1C) and Estimate Reference Information (100-4A) located in the C 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 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 sheets. Additional information may be found in Tabulations in the C or T sheets or is referenced in Section 2105 of 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

POLLUTION PREVENTION PLAN

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 Estimated Project Quantities (100-0A, 100-1A, or 100-1C) and Estimate Reference Information (100-4A) located in the C 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 in the B sheets or are referenced in the Standard Road Plans Tabulation (105-4) located in the C 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 Estimated Project Quantities (100-0A, 100-1A, or 100-1C) and Estimate Reference Information (100-4A) located in the C 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 (105-4) in the C sheets. 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 applicable laws, rules or regulations shall apply.

- Vehicle Entrances and Exits - Construct and maintain entrances and exits to prevent tracking of sediments onto roadways.
- Material Delivery, Storage and Use - Implement practices to prevent discharge of construction materials during delivery, storage, and use.
- Stockpile Management - Install controls to reduce or eliminate pollution of storm water from stockpiles of soil and paving.
- Waste Disposal - Do not discharge any materials, including building materials, into waters of the state, except as authorized by a Section 404 permit.
- 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.
- 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.
- Concrete Grooving/Grinding Slurry - Do not discharge slurry to a waterbody or storm drain. Slurry may be applied on forelopes or removed from the project.
- 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.
- 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.
- 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:
- Date of the inspection.
 - Summary of the scope of the inspection.
 - Name and qualifications of the personnel making the inspection.
 - Review of erosion and sediment control measures within disturbed areas for the effectiveness in preventing impacts to receiving waters.
 - Major observations related to the implementation of the PPP.
 - Identification of corrective actions required to maintain or modify erosion and sediment control measures.

POLLUTION PREVENTION PLAN

- 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

- Base PPP - Initial Pollution Prevention Plan.
- 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.
- Fieldbook Entries - This contains the inspector's daily diary and bid item postings.
- 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 (BMP's).
- Signature Authority - Representative authorized to sign various storm water documents.

CERTIFICATION STATEMENT

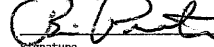
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage 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

Kevin M. Podstawa, P.E.

Printed or Typed Name



Signature

Brian Preston

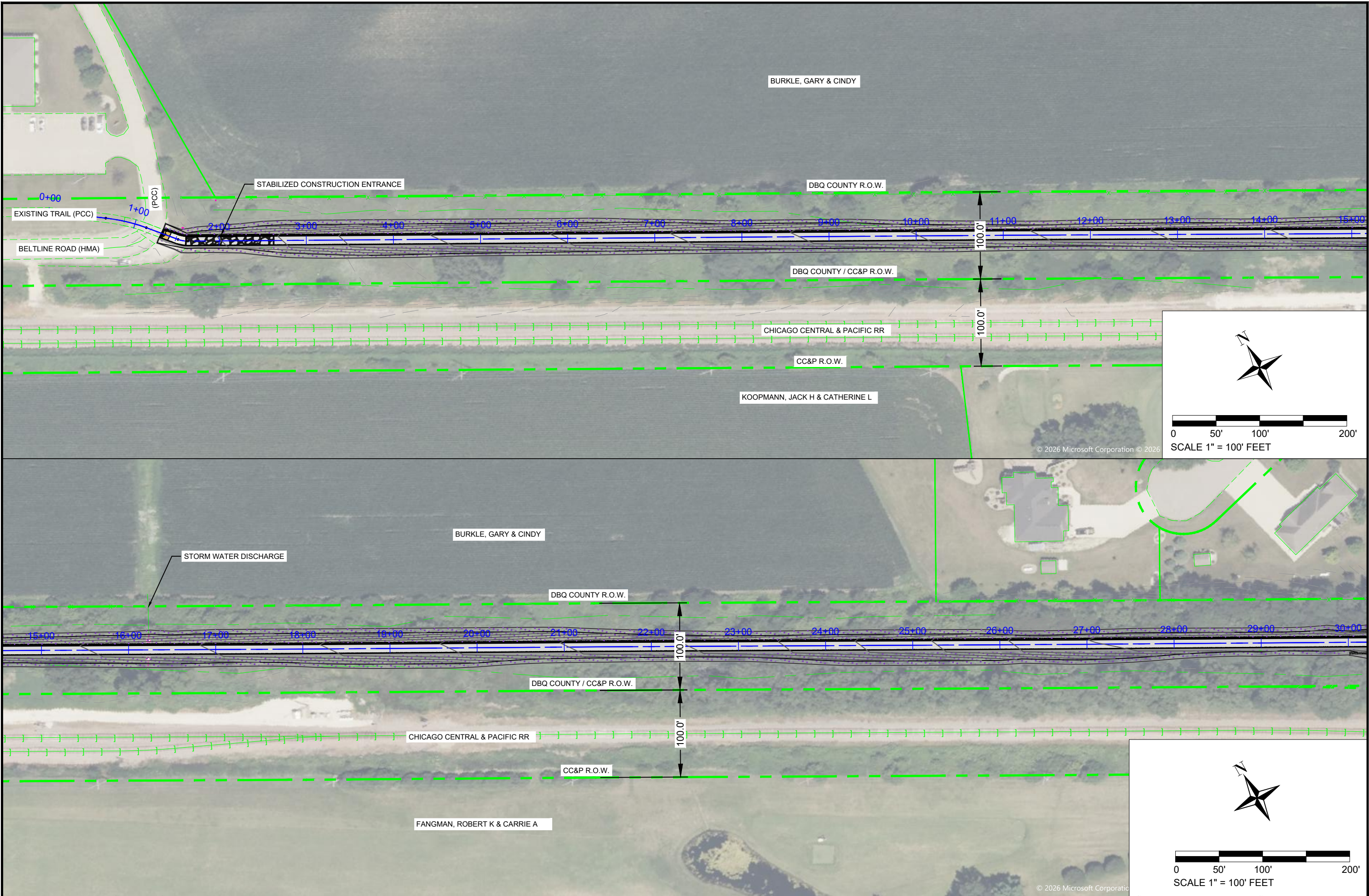
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PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE							
Possible Standards: EC-204							
Line No.	Station From	Station To	Side	Sediment Control Device Type	Diameter Size	Length (LF)	Remarks
1.0	1+32.15	38+37.89	Left	Perimeter and Slope	9 inch	3710.00	
2.0	1+32.15	38+37.89	Right	Perimeter and Slope	9 inch	3710.00	
3.0	38+75.66	90+23.25	Left	Perimeter and Slope	9 inch	5150.00	
4.0	38+75.66	90+23.25	Right	Perimeter and Slope	9 inch	5150.00	
5.0	90+35.24	90+50.00	Left	Perimeter and Slope	9 inch	20.00	
6.0	90+35.24	90+50.00	Right	Perimeter and Slope	9 inch	20.00	

ROLLED EROSION CONTROL												
Refer to EC-101, EC-103 and EC-104.												
Line No.	Road Identification		Station From	Station To	Side	Length (FT)	Width (FT)	TRM Type (EC-104)	TRM Quantity (Squares)	Slope Protection (EC-103) (Squares)	Special Ditch Control (EC-101) (Squares)	Remarks
1.0	Heritage Trail		30+00.00	38+18.14	Left	818.1	5.0			41.0		
2.0	Heritage Trail		30+00.00	37+86.00	Right	786.0	5.0			39.0		
3.0	Heritage Trail		38+90.00	44+50.00	Right	560.0	5.0			28.0		
4.0	Heritage Trail		40+04.00	45+00.00	Left	496.0	5.0			25.0		
5.0	Heritage Trail		41+75.00	44+50.00	Right	275.0	7.0			19.0		
6.0	Heritage Trail		45+00.00	46+00.00	Right	100.0	5.0			5.0		
7.0	Heritage Trail		47+65.00	64+10.00	Right	1645.0	5.0			82.0		
8.0	Heritage Trail		47+75.00	49+00.00	Left	125.0	5.0			6.0		
9.0	Heritage Trail		50+50.00	58+25.00	Left	775.0	5.0			39.0		
10.0	Heritage Trail		63+38.00	68+75.00	Left	537.0	5.0			27.0		
11.0	Heritage Trail		63+38.00	64+10.00	Right	72.0	5.0			4.0		
12.0	Heritage Trail		67+00.00	71+70.00	Right	470.0	7.0			33.0		
13.0	Heritage Trail		72+46.00	90+25.00	Right	1779.0	3.5			62.0		
14.0	Heritage Trail		78+50.00	90+21.00	Left	1171.0	3.0			35.0		
15.0	Heritage Trail		90+33.00	90+50.00	Left	17.0	4.0			1.0		
16.0	Heritage Trail		90+37.00	90+50.00	Right	13.0	3.5			1.0		

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FILE NO.

ENGLISH

DESIGN TEAM

WHKS

DUBUQUE

COUNTY

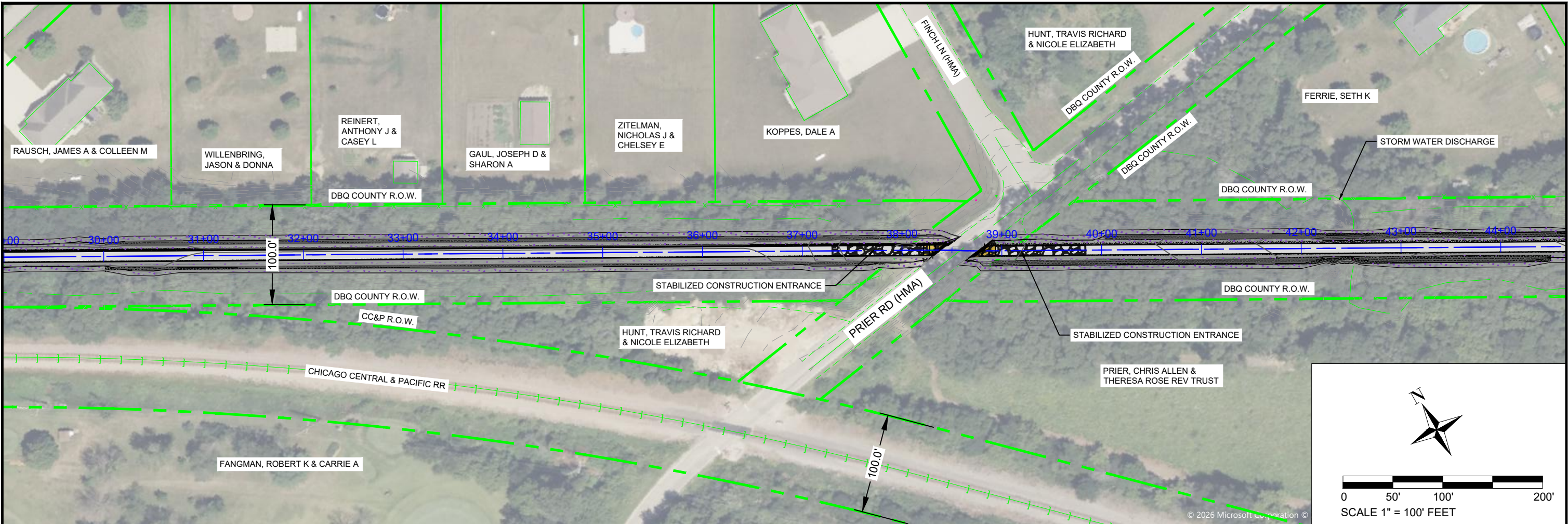
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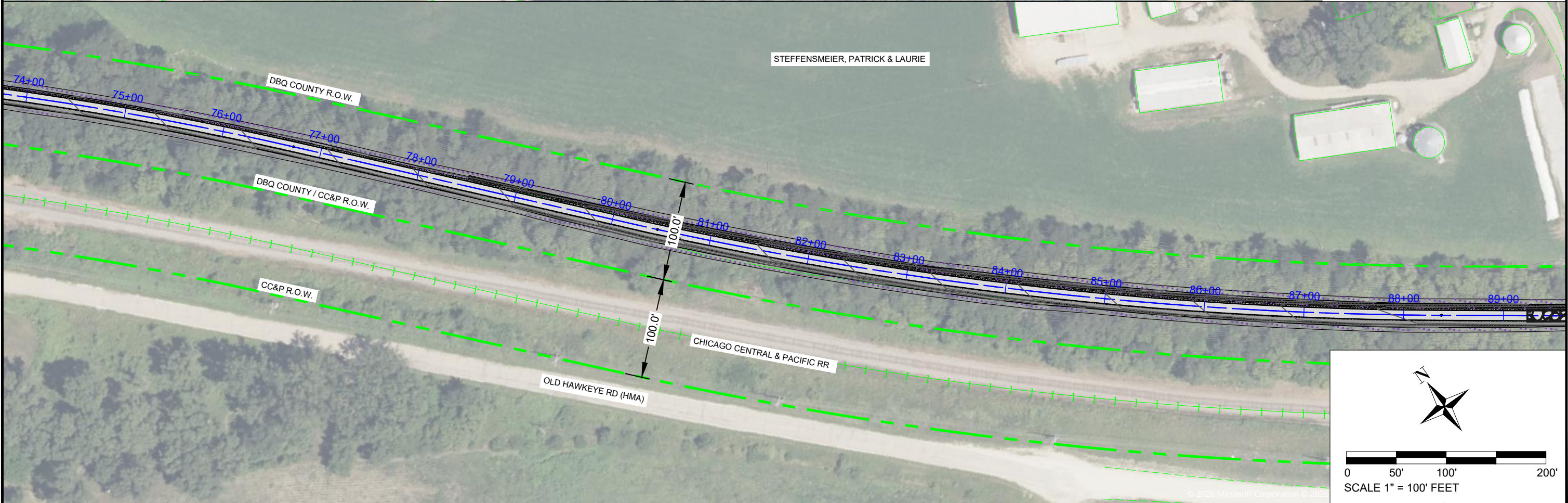
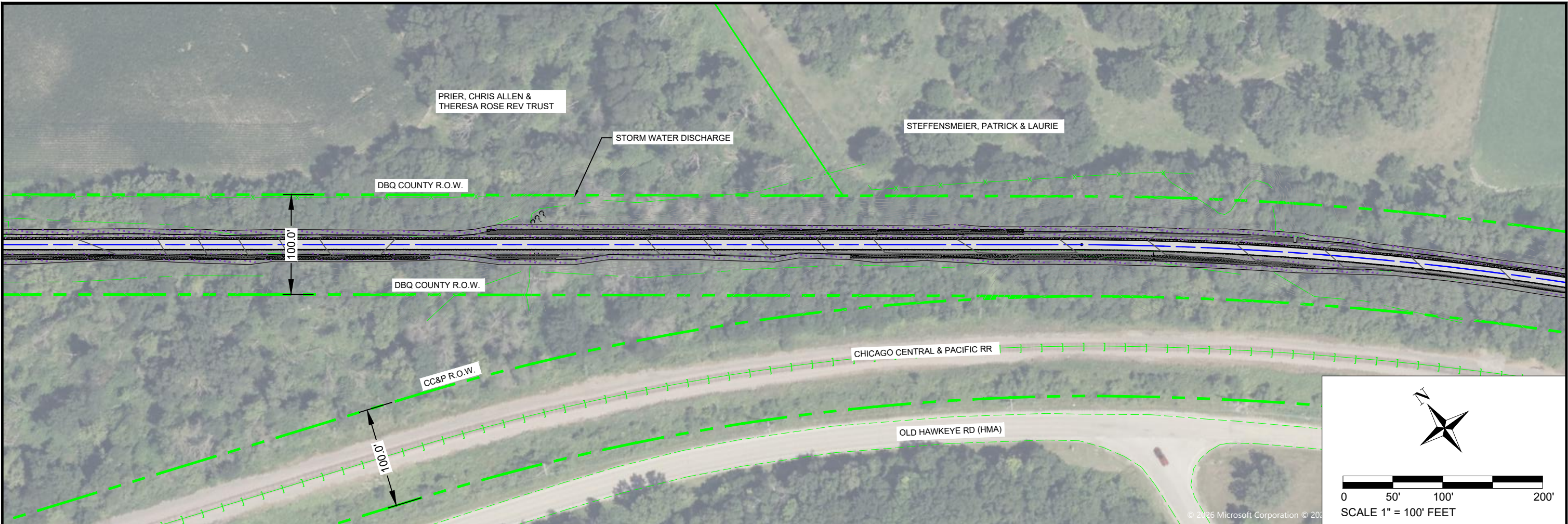
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R.4

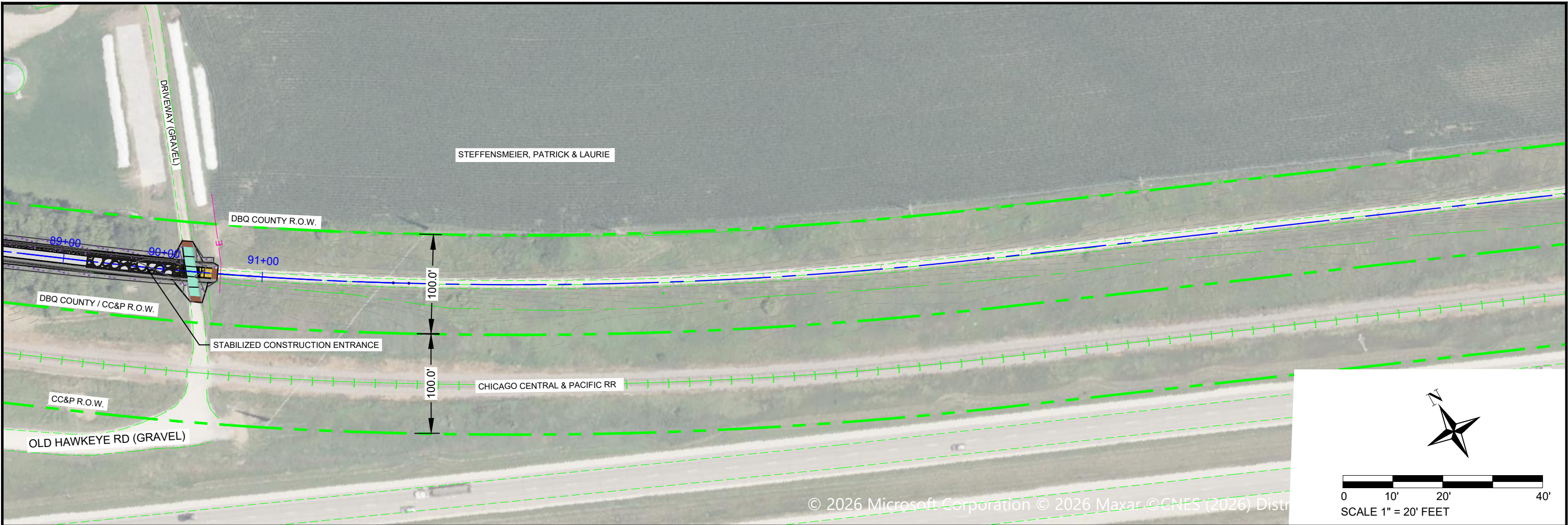
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REFER TO LEGEND ON SHEET D.1

BELTLINE RD
(EXISTING HMA)

(EXISTING PCC)

(EXISTING HMA)

STA: 1+32.15

W1002

F&I Detectable Warning Plate

W1001

W1004

EXISTING PCC CONCRETE TRAIL

W1003

STA: 1+42.15

SIDEWALK TABLE				WHKS-1
Point	Station	Offset	Elevation	
W1001	1+32.62	-4.68	970.91	
W1002	1+31.65	5.14	971.03	
W1003	1+41.65	5.08	971.18	
W1004	1+42.62	-4.62	971.00	



0 2.5' 5' 10'
SCALE 1" = 5' FEET

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FILE NO.

ENGLISH

DESIGN TEAM

WHKS & CO.

DUBUQUE

COUNTY

PROJECT NUMBER

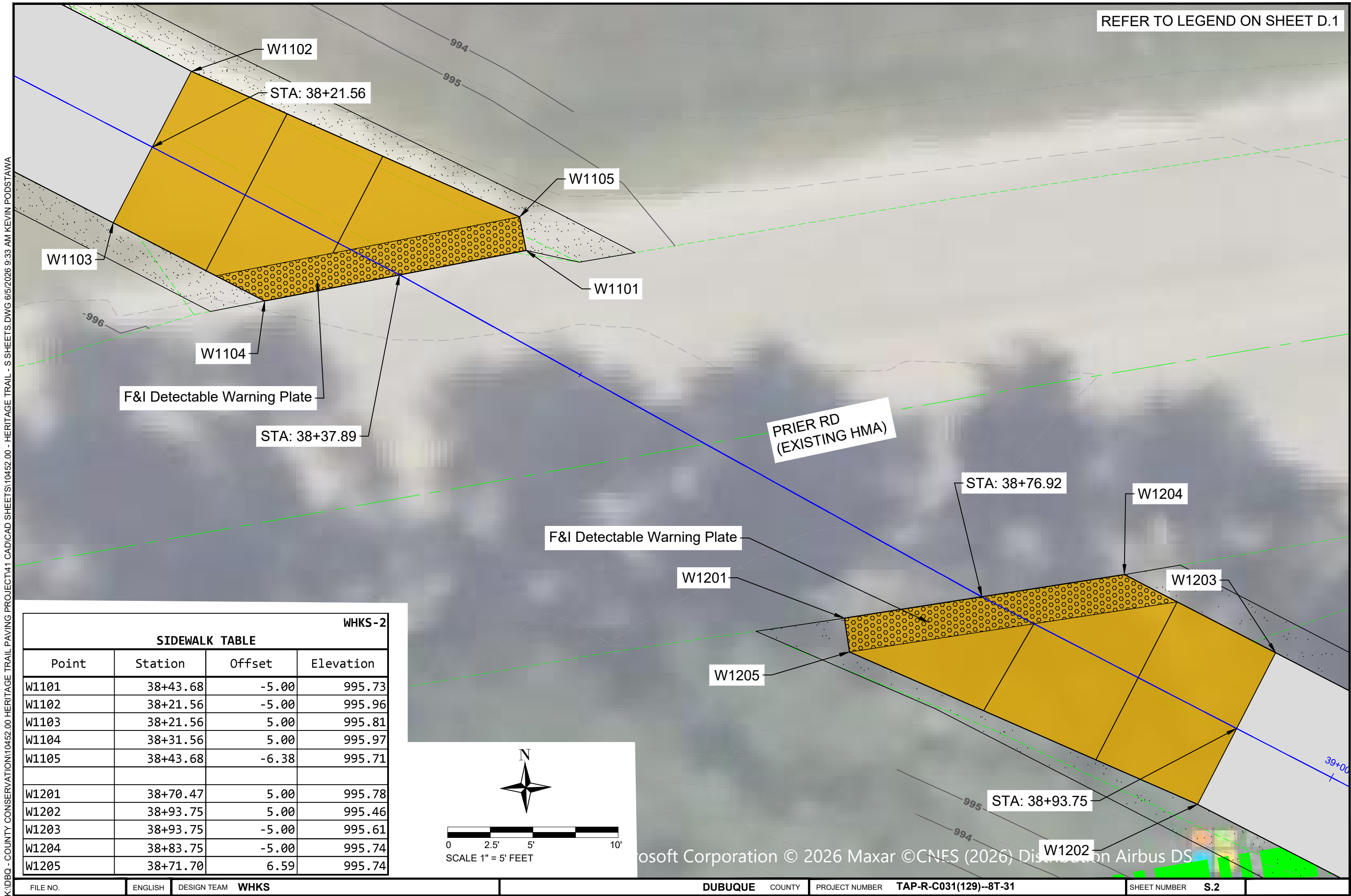
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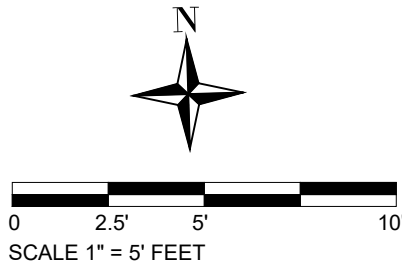
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REFER TO LEGEND ON SHEET D.1

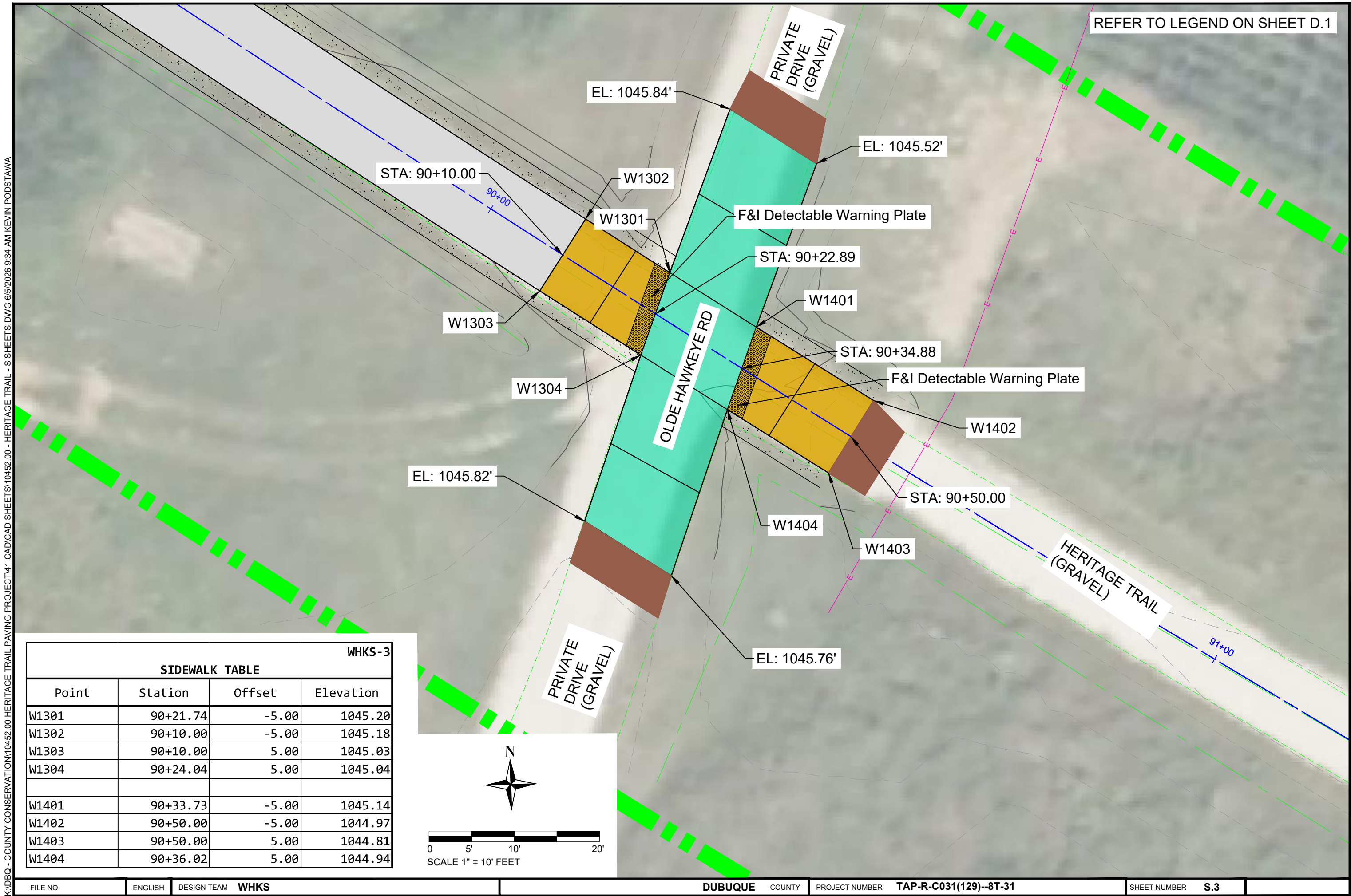


SIDEWALK TABLE				WHKS-2
Point	Station	Offset	Elevation	
W1101	38+43.68	-5.00	995.73	
W1102	38+21.56	-5.00	995.96	
W1103	38+21.56	5.00	995.81	
W1104	38+31.56	5.00	995.97	
W1105	38+43.68	-6.38	995.71	
W1201	38+70.47	5.00	995.78	
W1202	38+93.75	5.00	995.46	
W1203	38+93.75	-5.00	995.61	
W1204	38+83.75	-5.00	995.74	
W1205	38+71.70	6.59	995.74	

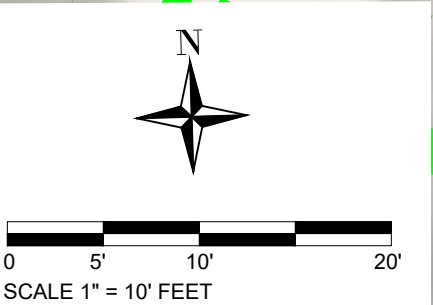


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WHKS-3			
SIDEWALK TABLE			
Point	Station	Offset	Elevation
W1301	90+21.74	-5.00	1045.20
W1302	90+10.00	-5.00	1045.18
W1303	90+10.00	5.00	1045.03
W1304	90+24.04	5.00	1045.04
W1401	90+33.73	-5.00	1045.14
W1402	90+50.00	-5.00	1044.97
W1403	90+50.00	5.00	1044.81
W1404	90+36.02	5.00	1044.94



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113_01

3/29/24

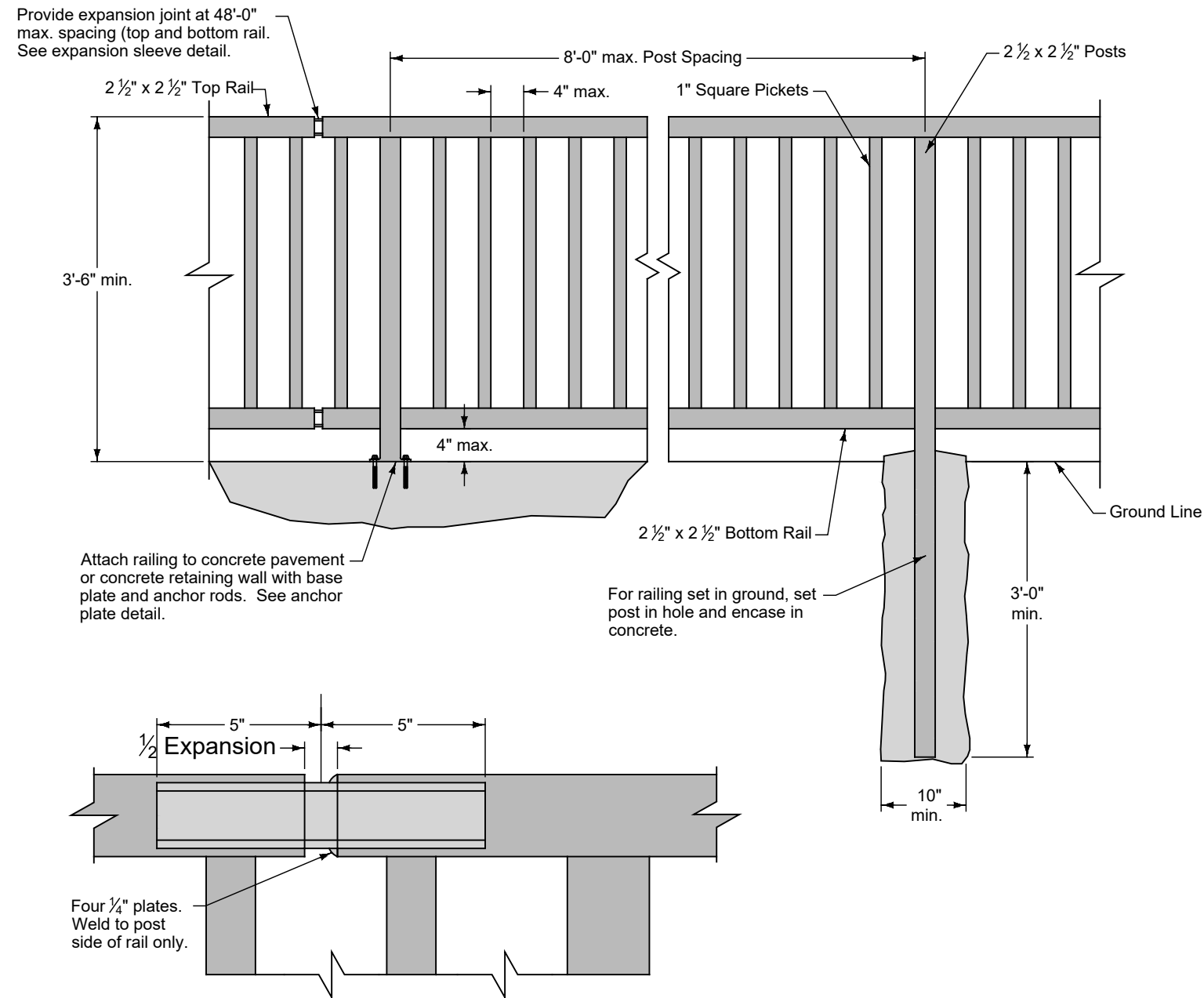
SIDEWALKS

See MI-220 and S Sheets

Line No.	Intersection/Road	Quadrant/Side	A (FT)	B (FT)	S (%)	Sidewalk Thickness (IN)	Sidewalk Length (FT)	Sidewalk Width (FT)	Sidewalk Area (SY)	4" PCC Sidewalk (SY)	6" PCC Sidewalk (SY)	8" PCC Sidewalk (SY)	10" PCC Sidewalk (SY)	Detectable Warnings (SF)	Remarks
1.0	Beltline Road	East		10.0		6	10.0	10.0	11.1		11.1			20.0	
2.0	Prier Road	West		10.0		6	16.1	10.0	19.7		19.7			33.8	
3.0	Prier Road	East		10.0		6	16.7	10.0	20.6		20.6			36.6	
4.0	Olde Hawkeye Road	West		10.0		6	12.9	10.0	14.3		14.3			20.0	
5.0	Olde Hawkeye Road	East		10.0		6	15.1	10.0	16.8		16.8			20.0	

113_10 6/18/25 SIDEWALK COMPLIANCE See S Sheets * Does not include curb 1. Staking required by Contracting Authority per Article 2511.03 of the Standard Specifications. 2. Refer to tabulation 113-01 for bid quantities. 3. See Tab 113-10A for point location information.												
Roadway Identification	From Point	Ending Point	Sidewalk Designation	Sidewalk Thickness (IN)	Distance* (FT)	Change in Elevation (FT)	Slope (%)	Acceptable Constructed Range	Staking Required? (1)	Measured Slope (%)	Initials	Remarks
Heritage Trail	W1001	W1002	Landing/Turning Space	6	10.00	0.12	1.2	0.1% to 2.0%				
Heritage Trail	W1002	W1003	Landing/Turning Space	6	10.00	0.15	1.5	0.1% to 2.0%				
Heritage Trail	W1003	W1004	Landing/Turning Space	6	10.00	-0.18	-1.8	0.1% to 2.0%				
Heritage Trail	W1001	W1004	Landing/Turning Space	6	10.00	0.09	0.9	0.1% to 2.0%				
Heritage Trail	W1101	W1105	Landing/Turning Space	6	2.00	-0.02	-1.0					
Heritage Trail	W1101	W1102	Landing/Turning Space	6	22.10	0.23	1.0	0.1% to 2.0%				
Heritage Trail	W1102	W1103	Landing/Turning Space	6	10.00	-0.15	-1.5	0.1% to 2.0%				
Heritage Trail	W1103	W1104	Landing/Turning Space	6	10.00	0.16	1.6	0.1% to 2.0%				
Heritage Trail	W1101	W1104	Landing/Turning Space	6	15.60	0.24	1.5	0.1% to 2.0%				
Heritage Trail	W1201	W1205	Landing/Turning Space	6	2.00	-0.03	-1.5					
Heritage Trail	W1201	W1202	Landing/Turning Space	6	23.40	-0.32	-1.4	0.1% to 2.0%				
Heritage Trail	W1202	W1203	Landing/Turning Space	6	10.00	0.15	1.5	0.1% to 2.0%				
Heritage Trail	W1203	W1204	Landing/Turning Space	6	10.00	0.13	1.3	0.1% to 2.0%				
Heritage Trail	W1201	W1204	Landing/Turning Space	6	16.60	-0.04	-0.2	0.1% to 2.0%				
Heritage Trail	W1301	W1302	Landing/Turning Space	6	12.10	-0.02	-0.2	0.1% to 2.0%				
Heritage Trail	W1302	W1303	Landing/Turning Space	6	10.00	-0.15	-1.5	0.1% to 2.0%				
Heritage Trail	W1303	W1304	Landing/Turning Space	6	14.40	0.01	0.1	0.1% to 2.0%				
Heritage Trail	W1301	W1304	Landing/Turning Space	6	10.30	0.16	1.6	0.1% to 2.0%				
Heritage Trail	W1401	W1402	Landing/Turning Space	6	15.90	-0.17	-1.1	0.1% to 2.0%				
Heritage Trail	W1402	W1403	Landing/Turning Space	6	10.00	-0.16	-1.6	0.1% to 2.0%				
Heritage Trail	W1403	W1404	Landing/Turning Space	6	13.70	0.13	0.9	0.1% to 2.0%				
Heritage Trail	W1401	W1404	Landing/Turning Space	6	10.10	-0.20	-2.0	0.1% to 2.0%				
Heritage Trail	W1301	W1401	Sidewalk Running Slope	7	12.00	-0.06	-0.5					
Heritage Trail	W1304	W1404	Sidewalk Running Slope	7	12.00	-0.10	-0.8					

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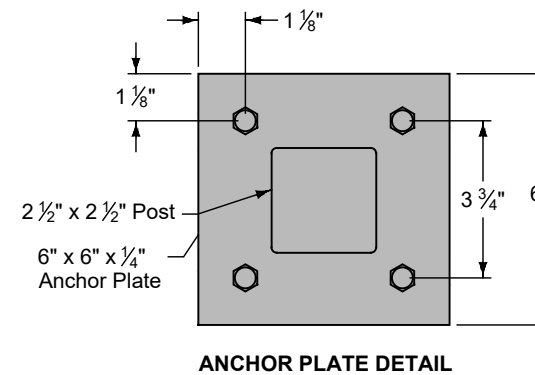


EXPANSION SLEEVE DETAIL ①

Weld all components with 1/4 inch fillet welds. Grind welds and connections as required to provide a smooth surface, free of burrs.

Field paint safety rail after installation as specified in the contract documents.

① Detail shown is for top rail. Expansion joint for bottom rail is similar.



① SAFETY RAIL DETAIL
U.1 HERITAGE TRAIL

NOT TO SCALE