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H Sheets * H.1	Right-of-Way Sheets US Highway 69
J Sheets J.1 J.2 * J.3	Traffic Control and Staging Sheets Traffic Control Plan 511 Travel Restrictions Detour Route
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PLANS OF PROPOSED IMPROVEMENT ON THE
PRIMARY ROAD SYSTEM
HANCOCK COUNTY
Bridge - Unspecified
US 69 over Galls Creek
2.7 mi S of US 18
Location
SCALES: As Noted

Refer to the Proposal Form for list of applicable specifications.

Value Engineering Saves. Refer to Article 1105.14 of the Specifications.



MILEAGE SUMMARY			
			105-1
			09-27-94
Div.	Location	Lin. Ft.	Miles
1	US 69 ML Sta. 569+70.00 to 576+70.00	700.00	0.133

DESIGN DATA RURAL			
20 22	AADT	2,450	V.P.D.
20 49	AADT	2,600	V.P.D.
20 --	DHV	--	V.P.H.
TRUCKS		19	%
Total			
Design ESALs		--	

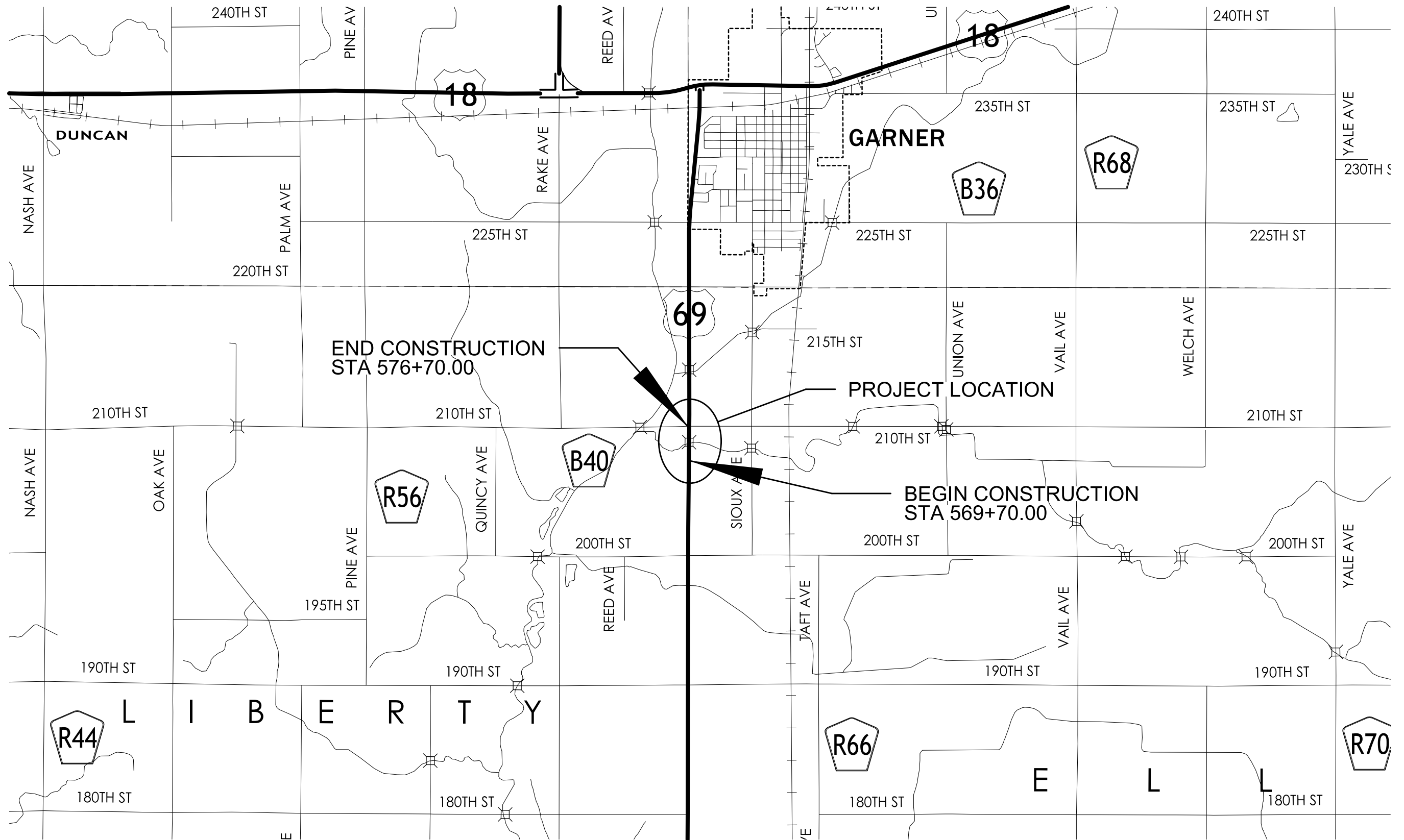
REVISIONS

TOTAL
..
PROJECT IDENTIFICATION NUMBER
24-41-069-010
PROJECT NUMBER
BRFN-069-8(030)--39-41
R.O.W. PROJECT NUMBER
STPN-069-8(031)--2J-41

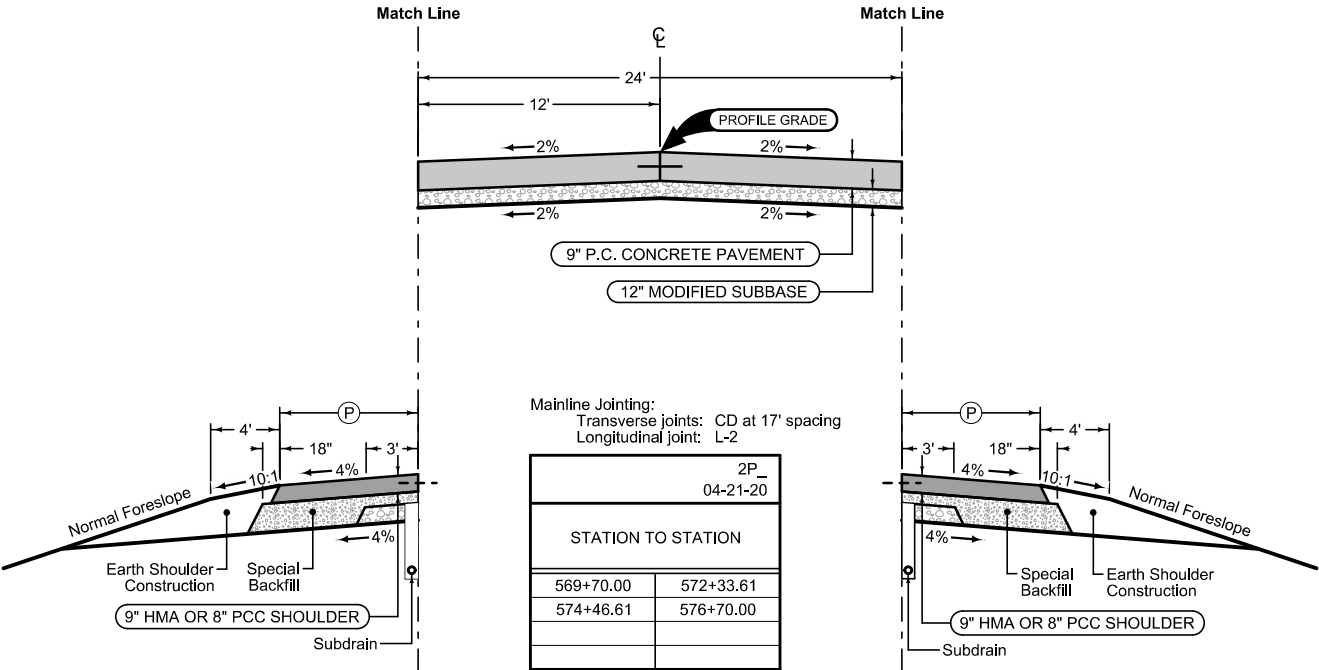
PRELIMINARY PLANS

Subject to change by final design.

D3 PLAN - Date: 10/13/2025



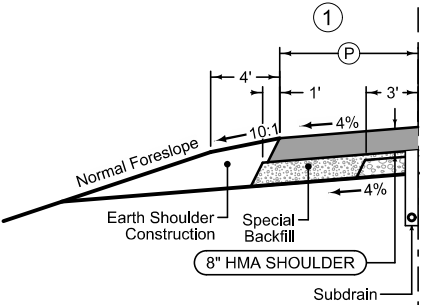
US 69 Mainline



Paved Shoulder at Guardrail

PCC Shoulder Jointing:
Longitudinal joint: BT-1 or BT-5
Transverse joints: C at mainline spacing
HMA Shoulder Jointing:
Longitudinal joint: B

2_P_Guard_L 04-21-20		
STATION TO STATION		(P) Feet
571+75.09	572+33.61	Var.
574+46.61	575+30.14	Var.



HMA Shoulder

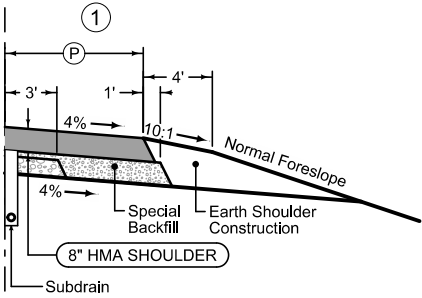
Shoulder Jointing:
Longitudinal joint: B

2_P_HMA_L 04-21-20		
STATION TO STATION		(P) Feet
569+70.00	571+75.09	5'
575+30.14	576+70.00	5'

Paved Shoulder at Guardrail

PCC Shoulder Jointing:
Longitudinal joint: BT-1 or BT-5
Transverse joints: C at mainline spacing
HMA Shoulder Jointing:
Longitudinal joint: B

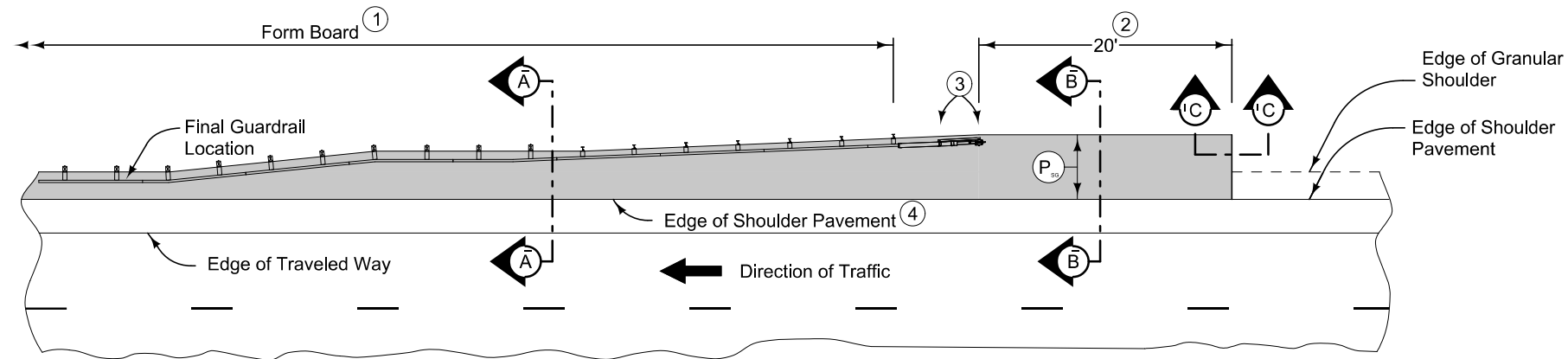
2_P_Guard_R 04-21-20		
STATION TO STATION		(P) Feet
571+50.09	572+33.61	Var.
574+46.61	575+05.14	Var.



HMA Shoulder

Shoulder Jointing:
Longitudinal joint: B

2_P_HMA_R 04-21-20		
STATION TO STATION		(P) Feet
569+70.00	571+50.09	5'
575+05.14	576+70.00	5'



PLAN VIEW

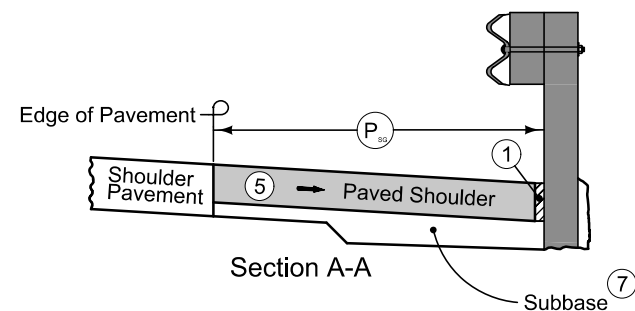
9" HMA Paved Shoulder at guardrail. 8" PCC may be substituted with the following jointing layout:

Match mainline pavement joint spacing. When mainline pavement is 8" or greater in thickness, place additional transverse 'C' joints in shoulder at mid-panel of the mainline pavement. Place longitudinal 'C' joint at P/2 from edge of mainline pavement when P is greater than 10' wide. Terminate longitudinal joint at transverse joint less than 10' in length.

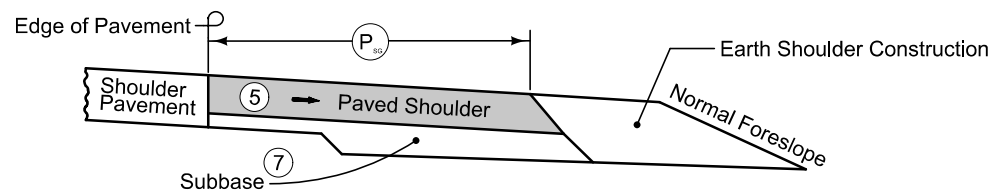
Compaction of HMA is required to face of guardrail post. Hand compaction will be allowed under guardrail. Removal and reinstallation of guardrail will be allowed with no additional payment.

Refer to Tabulation 112-9 for shoulder quantities.

- ① PCC option only: When guardrail posts are installed prior to construction of PCC paved shoulder, fasten form board to the face of guardrail posts for the length shown.
- ② Continue paved shoulder 20 feet beyond the center of the first post.
- ③ Shoulder may be notched for first 2 posts or post sleeves may be installed through pavement. Do not drive posts through pavement.
- ④ 'BT' (per PV-101) joint for PCC shoulder.
'B' (per PV-101) joint for HMA shoulder.
- ⑤ Match shoulder slope.
- ⑥ The Contractor has the option to pave the paved shoulder at guardrail and the partial width paved shoulder as one operation.
- ⑦ Refer to other details in the plan.

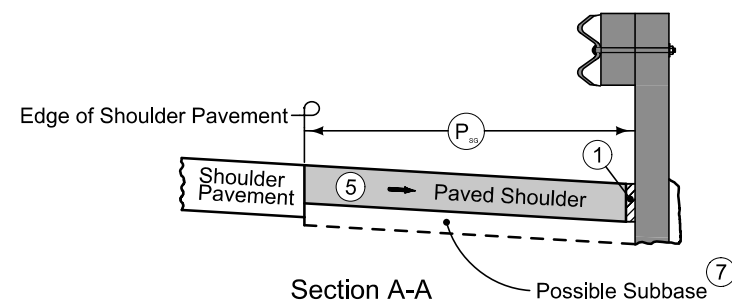


Section A-A

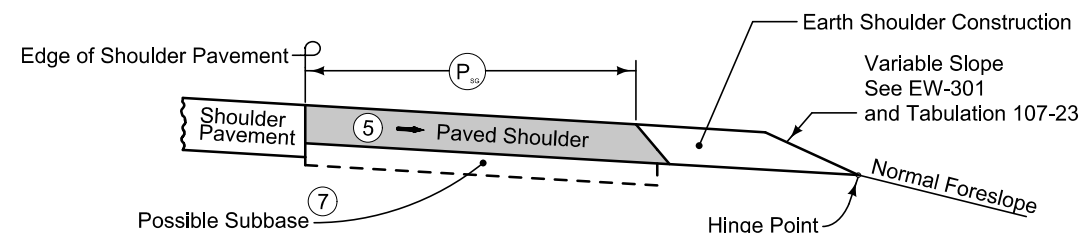


Section B-B

NEW CONSTRUCTION

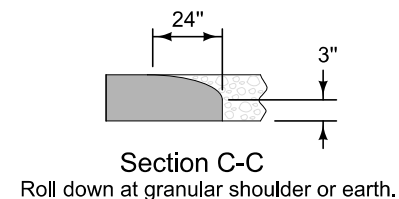


Section A-A



Section B-B

EXISTING SHOULDER

PAVED SHOULDER AT GUARDRAIL
(ADJACENT TO PARTIAL WIDTH PAVED SHOULDER)

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

	Septic Tank
	Cistern
	L.P. Gas Tank (No Footing)
	Underground Storage Tank
	Latrine
	Satellite TV Dish
	Water Hook Up
	Radio Tower
	Tower Anchor
	Guardrail (Beam or Cable)
	Guard Post (one or two)
	Guard Post (over two)
	Filler Pipe
	Gas Valve
	Water Valve
	Speed Limit Sign
	Mile Marker Post
	Sign
	Traffic Signal Control Box
	Rail Road Signal Control Box
	Telephone Switch Box
	Electric Box

— F0 — FO1D, Aureon - Quality D

LINEWORK		Design Color No.	
Green	(2)		Existing Topographic Features and Labels
Blue	(1)		Proposed Alignment, Stationing, Tic Marks, and Alignment Annotation
Magenta	(5)		Existing Utilities

SHADING		Design Color No.		Transparency
Pink, Dark	(13)		Temporary Pavement Shading	50%
Yellow	(4)		Proposed Pavement Shading	50%
Orange	(6)		Proposed Granular Shading	50%
Orange	(70)		Proposed Shoulder Granular Shading	50%
Yellow	(68)		Proposed Shoulder Paved Full Depth Shading	50%
Yellow	(132)		Proposed Shoulder Paved Partial Depth Shading	50%
Brown, Light	(236)		Grading Shading	50%
Orange, Light	(134)		Proposed Granular Entrance Shading	50%
Yellow	(220)		Proposed Paved Entrance Shading	50%
Tan	(8)		Proposed Sidewalk Shading	50%
Blue, Light	(230)		Proposed Sidewalk Landing Shading	50%
Pink	(11)		Proposed Sidewalk Ramp Shading	50%
Red	(3)		Proposed Structure Shading	50%
Red	(3)		Delineates Restricted Areas	0%

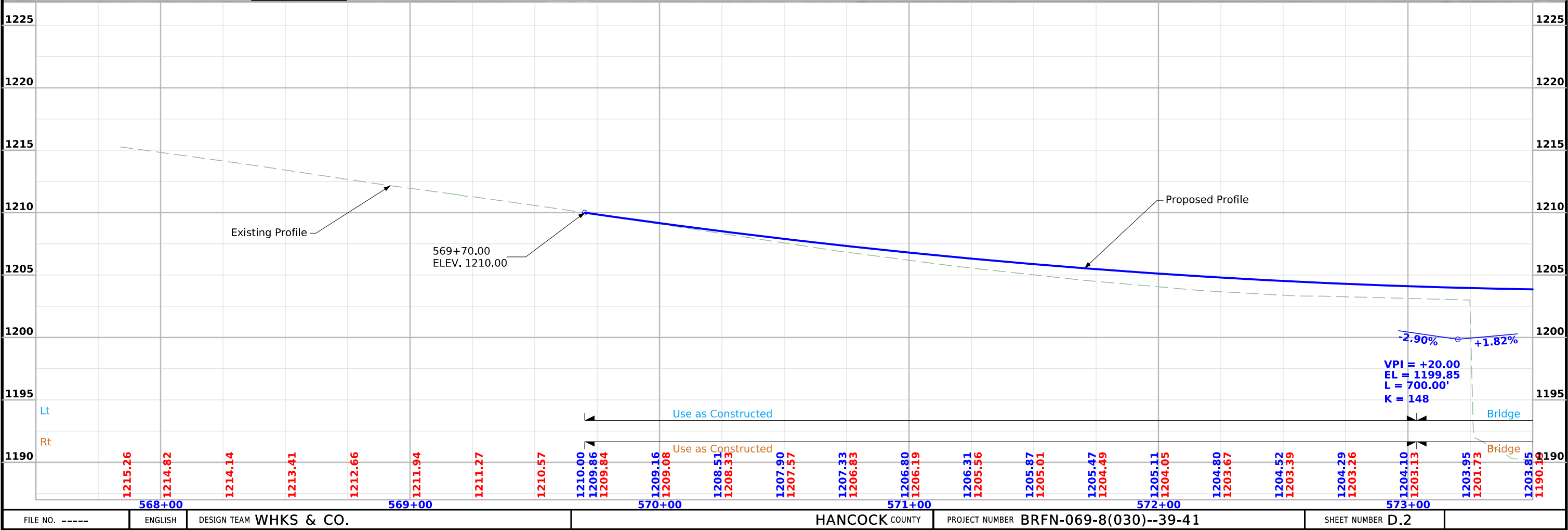
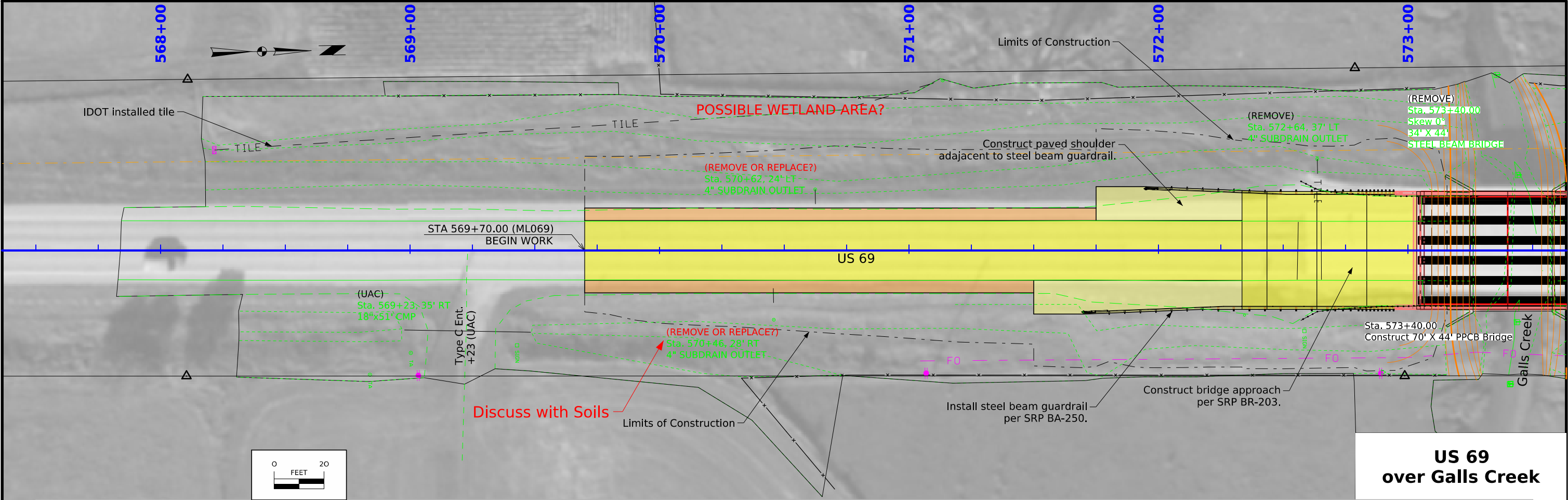
LINEWORK	Design Color No.	
Green	(10)	Existing Ground Line Profile
Blue	(1)	Proposed Profile and Annotation
Magenta	(5)	Existing Utilities
Blue, Light	(230)	Proposed Ditch Grades, Left
Black	(0)	Proposed Ditch Grades, Median
Rust	(14)	Proposed Ditch Grades, Right

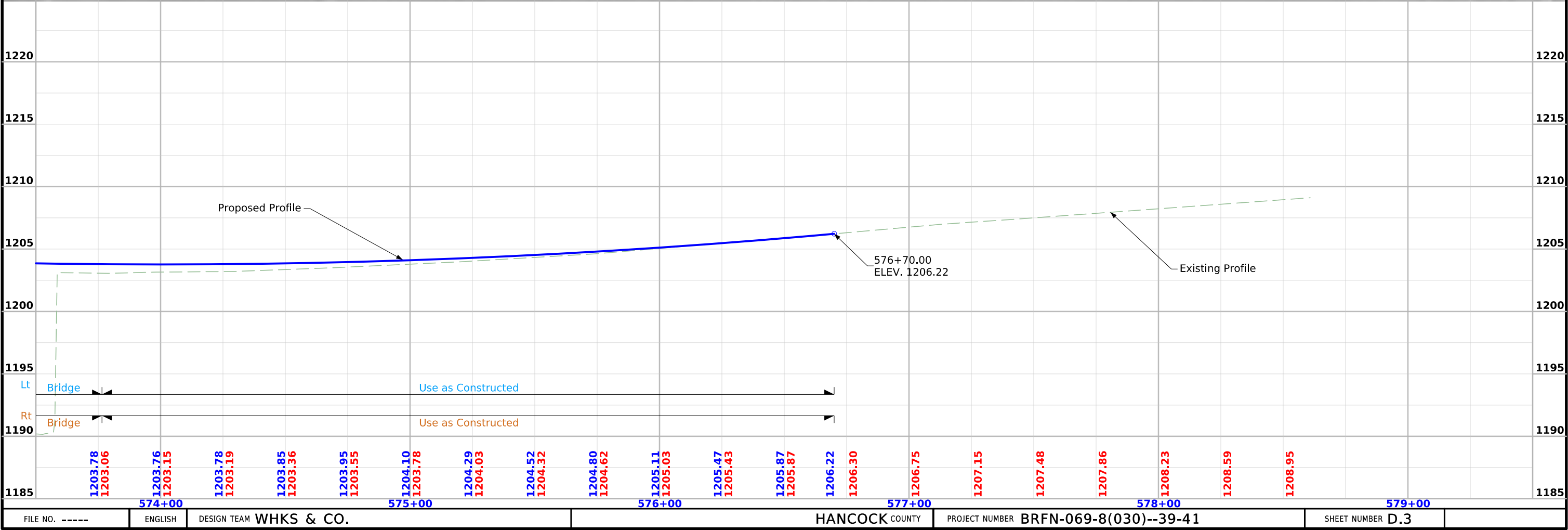
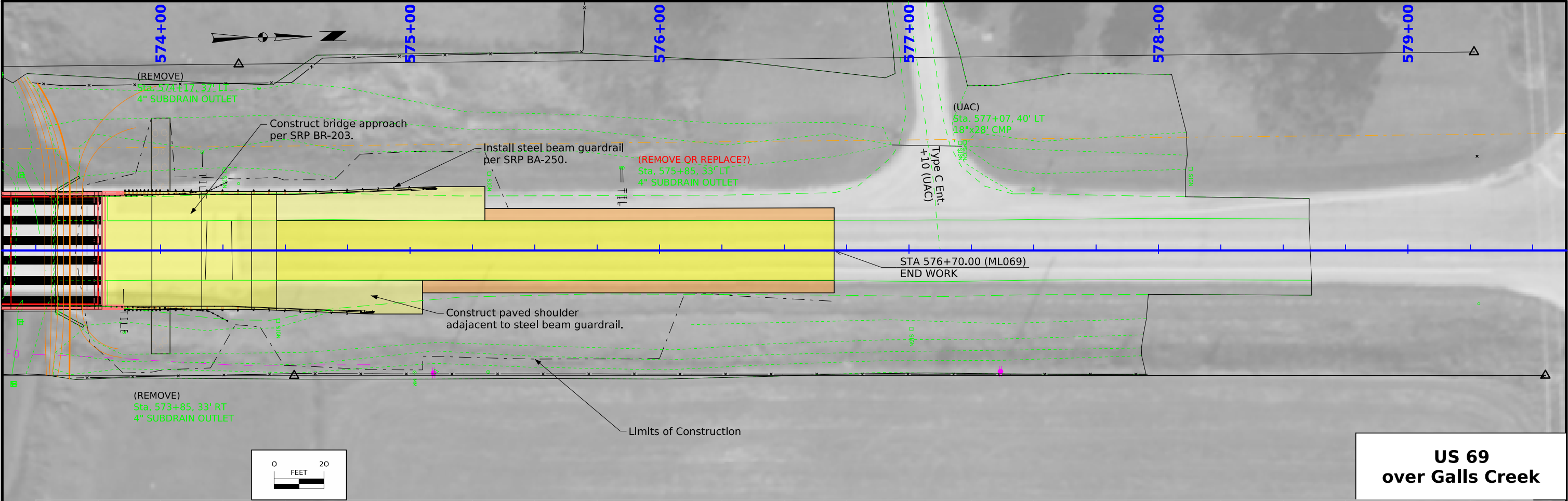
RIGHT-OF-WAY LEGEND

	Reference Point		Survey Line
	Station		Section Corner
			Ground Line Intercept
			Saw Cut
			Guardrail
			Trench Drain
			High Tension Cable
			Guardrail
			Sheet Pile
	Pavement Removal		Clearing & Grubbing Area

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

(COVERS SHEET SERIES D, E, F, & K)





Survey Information

SURVEY INDEX

County: Hancock
PIN: 24-41-069-010
Project Number: BRFN-069-8(030)--39-41
Location: Galls Creek 2.8 mi S of US 18
Type of Work: Bridge Unspecified
Project Directory: 4106901024

Survey Personnel

Jeremy Leemon – Survey Party Chief
Steve Lentz – Assistant Survey Party Chief

Date(s) of Survey

Begin Date 12/26/2024
End Date 12/30/2024

General Information

This survey is for the replacement of the existing bridge on US 69 over drainage ditch in Hancock County. This project is a Limited Topographic Survey.

Utility Information

For logging data and other utility details see Utility Survey and Ownership Report in the Utility folder of the PrelimSurvey project directory.

Project Control

Nearby Iowa Real Time Network reference stations were utilized to verify horizontal and vertical control on Hancock County control points. A Base was set up on a Hancock County Control Point and additional checks were performed. For additional details of the control survey, contact the Preliminary Survey department.

PROJECT DATUM: NAD83(2011) for EPOCH 2010.00 (IaRTN 2019 ADJUSTMENT)
COORDINATE SYSTEM: IOWA REGIONAL COORDINATE SYSTEM ZONE 2
(U.S. SURVEY FOOT)
VERTICAL DATUM: NAVD88
GEOID MODEL: 2018u3

Alignment Information

The horizontal alignment for U.S. Hwy 69 this survey is a retrace of As-built Plans No. FN-139. Survey stationing was equated to the plan center of bridge at Sta. 573+42.00 and carried back and ahead without equation throughout the survey.

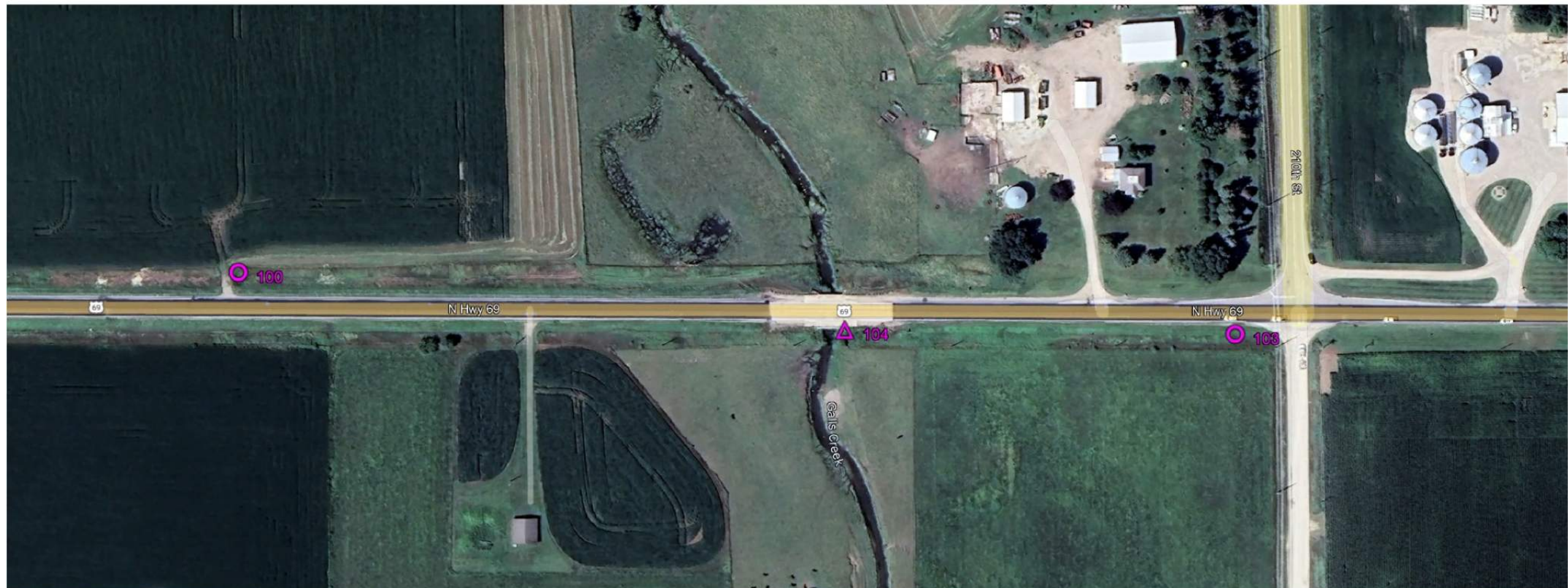
Survey stationing relates to as built plan stationing as follows:

POT Sta. 565+00.00 As-built Plans Project No. FN-139
Survey POT Sta. 565+00.00

POT Sta. 581+00.00 As-built Plans Project No. FN-139
Survey POT Sta. 581+00.00

CONTROL POINT VICINITY MAP

This map is a guide to the vicinity of the primary project control points. Primary control is for use with RTK base stations and for RTN validation. Future surveys will use primary project control to establish temporary control as needed for construction or other surveying applications.



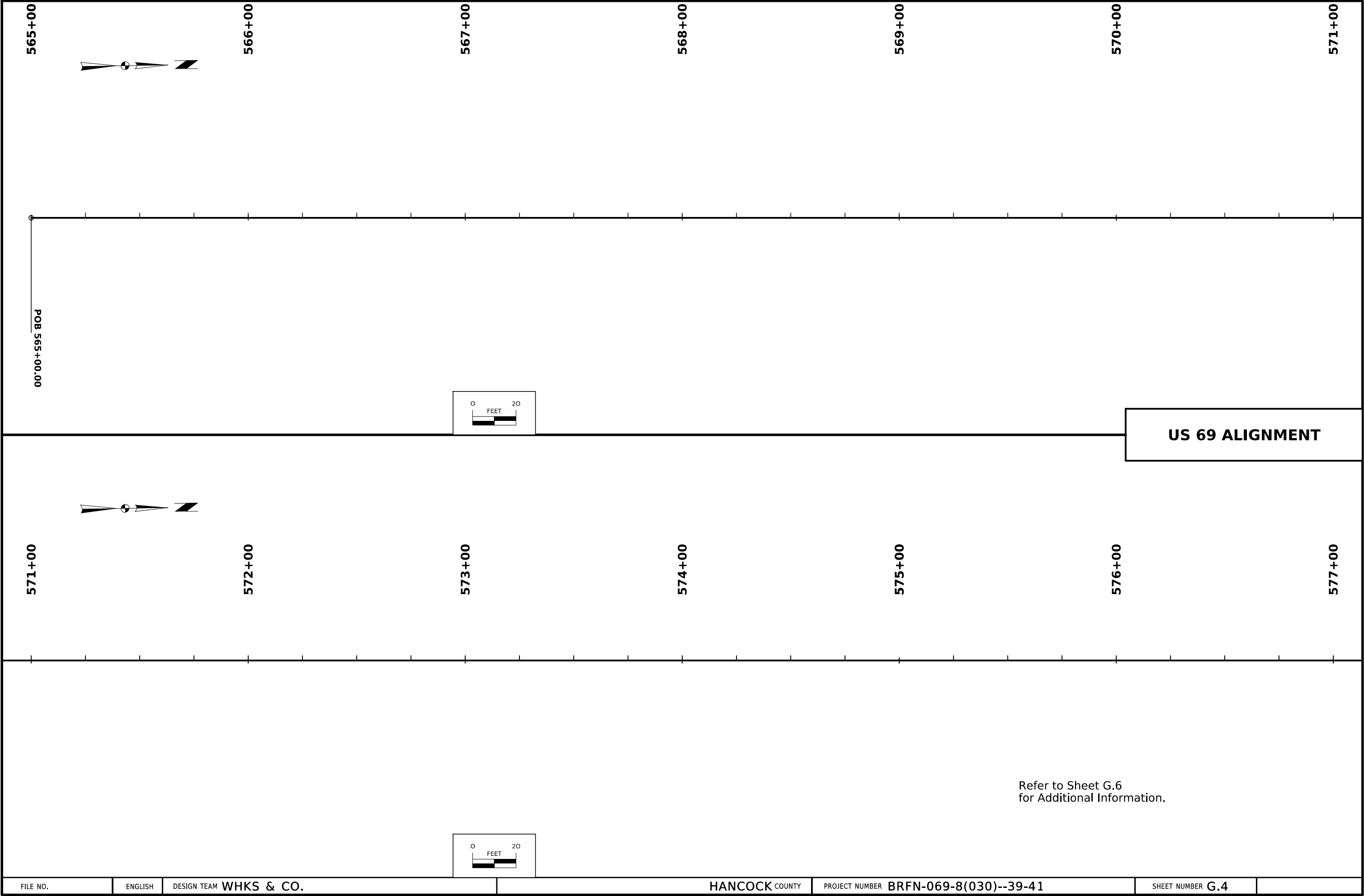
HORIZ. DATUM: NAD83(2011) for EPOCH 2010.00 (IaRTN 2019 Adjustment) - Iowa RCS Zone 2 (U.S. Survey Foot)

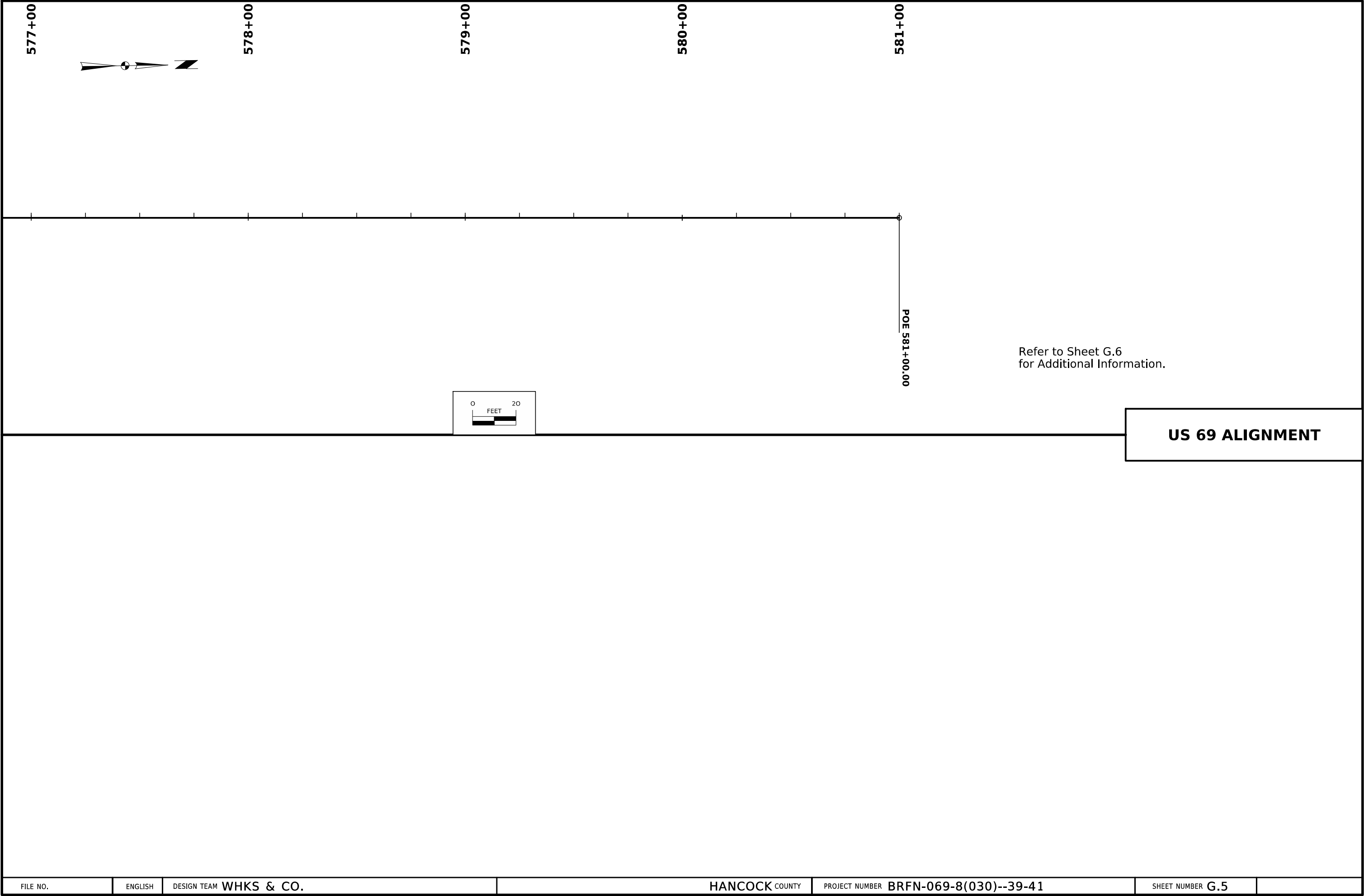
VERT. DATUM: NAVD88 - Geoid Model: 2018u3

Coordinate listing from next sheet will be used with IaRTN for monument recovery. No other reference ties are given.

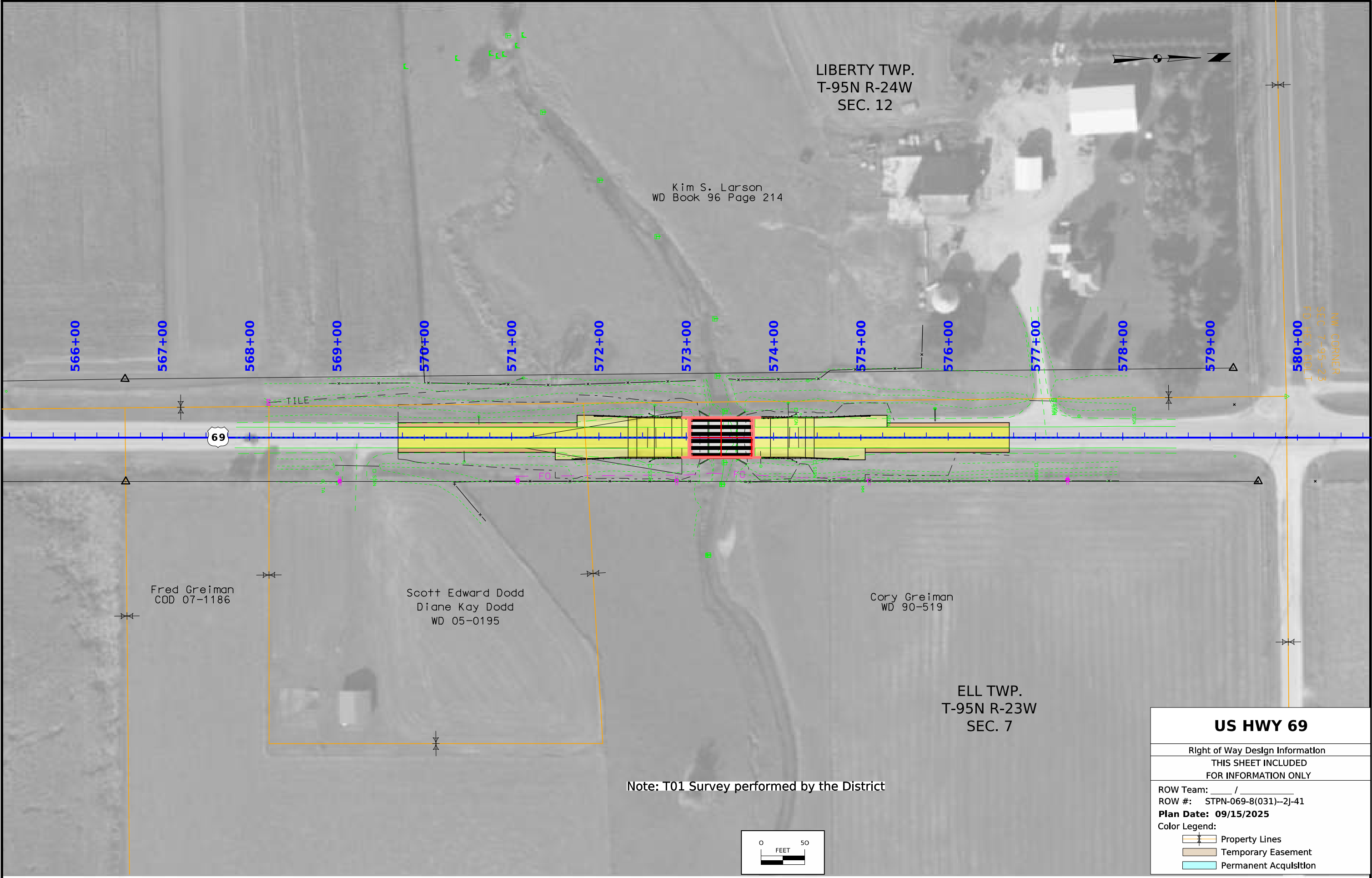
HORIZONTAL AND VERTICAL PROJECT CONTROL COORDINATE LISTING
HORIZ. DATUM: NAD83(2011) for EPOCH 2010.00 (laRTN 2019 Adjustment)
la. Regional Coordinate System Zone XX (U.S. Survey Foot)
VERT. DATUM: NAVD88
Geoid Model: 2018u3 or 2018u2

Point Name	Northing	Easting	Elevation	Feature Definition-Description
100	9763625.68	12268451.69	1219.49	SET 5/8" X 48" REBAR 6" DEEP 50' NORTH OF US 69 CL
103	9765031.35	12268550.46	1209.28	SET 5/8" X 48" REBAR 6" DEEP 22' SOUTH OF US 69 CL
104	9764461.67	12268543.98	1203.15	FD IHC BM IN NORTHEAST BRIDGE WINGWALL





101_16 10/25/24																				
ALIGNMENT COORDINATES																				
Line No.	Name	Location	Point on Tangent Station	Point on Tangent Y Northing	Point on Tangent X Easting	Begin Spiral Station	Begin Spiral Y Northing	Begin Spiral X Easting	Begin Curve Station	Begin Curve Y Northing	Begin Curve X Easting	Simple Curve PI or Master PI Station	Simple Curve PI or Master PI Y Northing	Simple Curve PI or Master PI X Easting	End Curve Station	End Curve Y Northing	End Curve X Easting	End Spiral Station	End Spiral Y Northing	End Spiral X Easting
1.0	ML069		565+00.00	9763603.522	12268504.152															
2.0	ML069		581+00.00	9765203.279	12268532.042															



Note: T01 Survey performed by the District

US HWY 69

Right of Way Design Information

THIS SHEET INCLUDED
FOR INFORMATION ONLY

ROW Team: ____ / ____
ROW #: STPN-069-8(031)--2J-41
Plan Date: 09/15/2025

Color Legend:

Property Lines

Temporary Easement

Permanent Acquisition

108_23A
8/15/22

TRAFFIC CONTROL PLAN

The US 69 bridge over Galls Creek will be constructed under a full road closure with a detour. Traffic will be detoured to the West with the following route:

Southbound Traffic: Traffic will travel West on 210th St. to Nash Ave. for 5 miles. Then South to 170th St. for 4 miles. Then East to US 69 for 5 miles. Total Detour length is 14 miles.

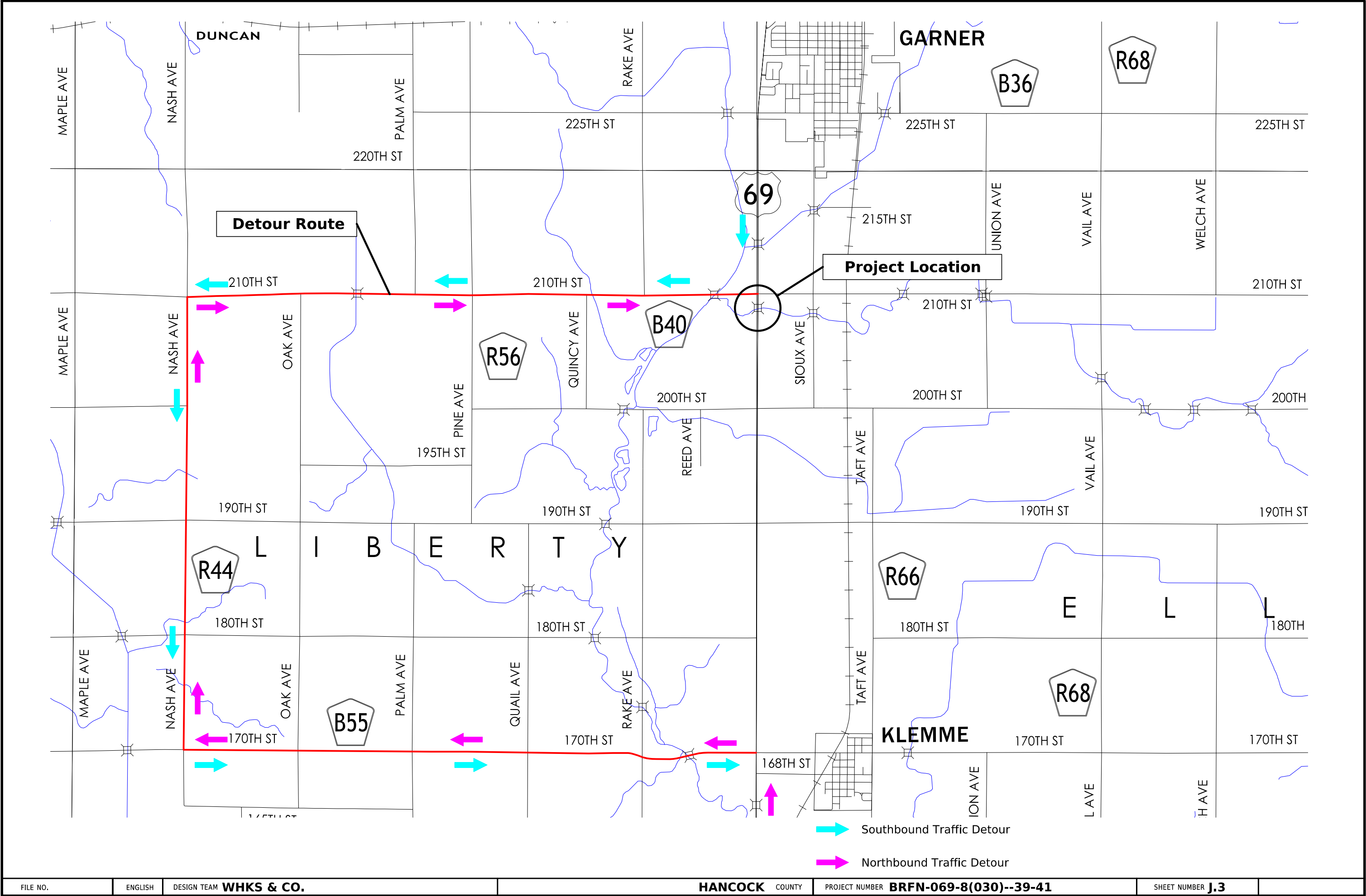
Northbound Traffic: Traffic will travel West on 170th St. to Nash Ave. for 5 miles. Then North to 210th St. for 4 miles. Then East to US 69 for 5 miles. Total Detour length is 14 miles.

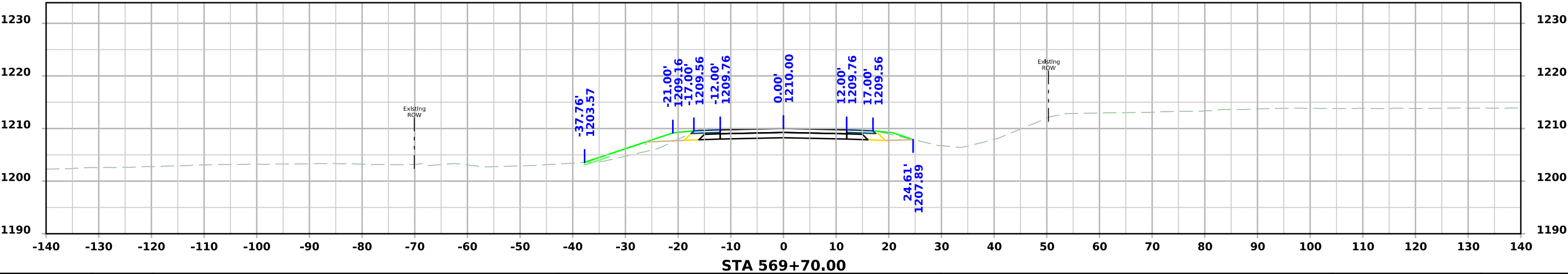
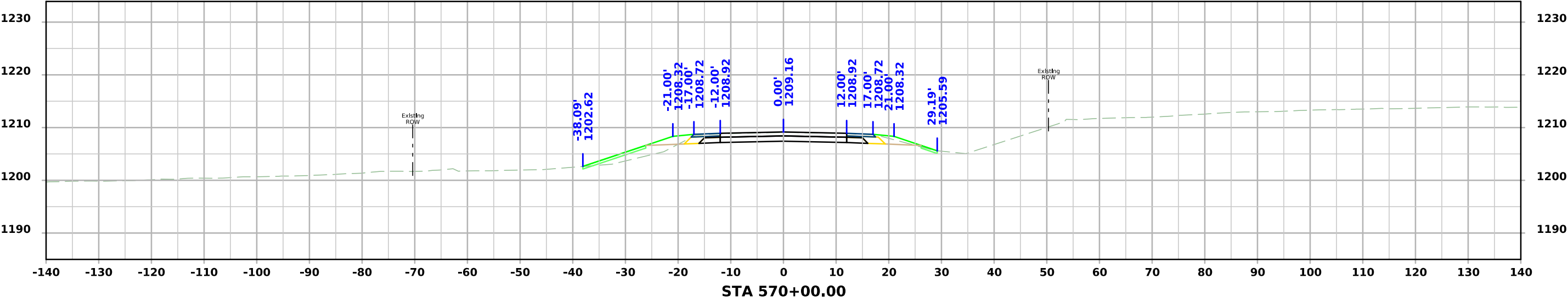
111_01
10/14/22

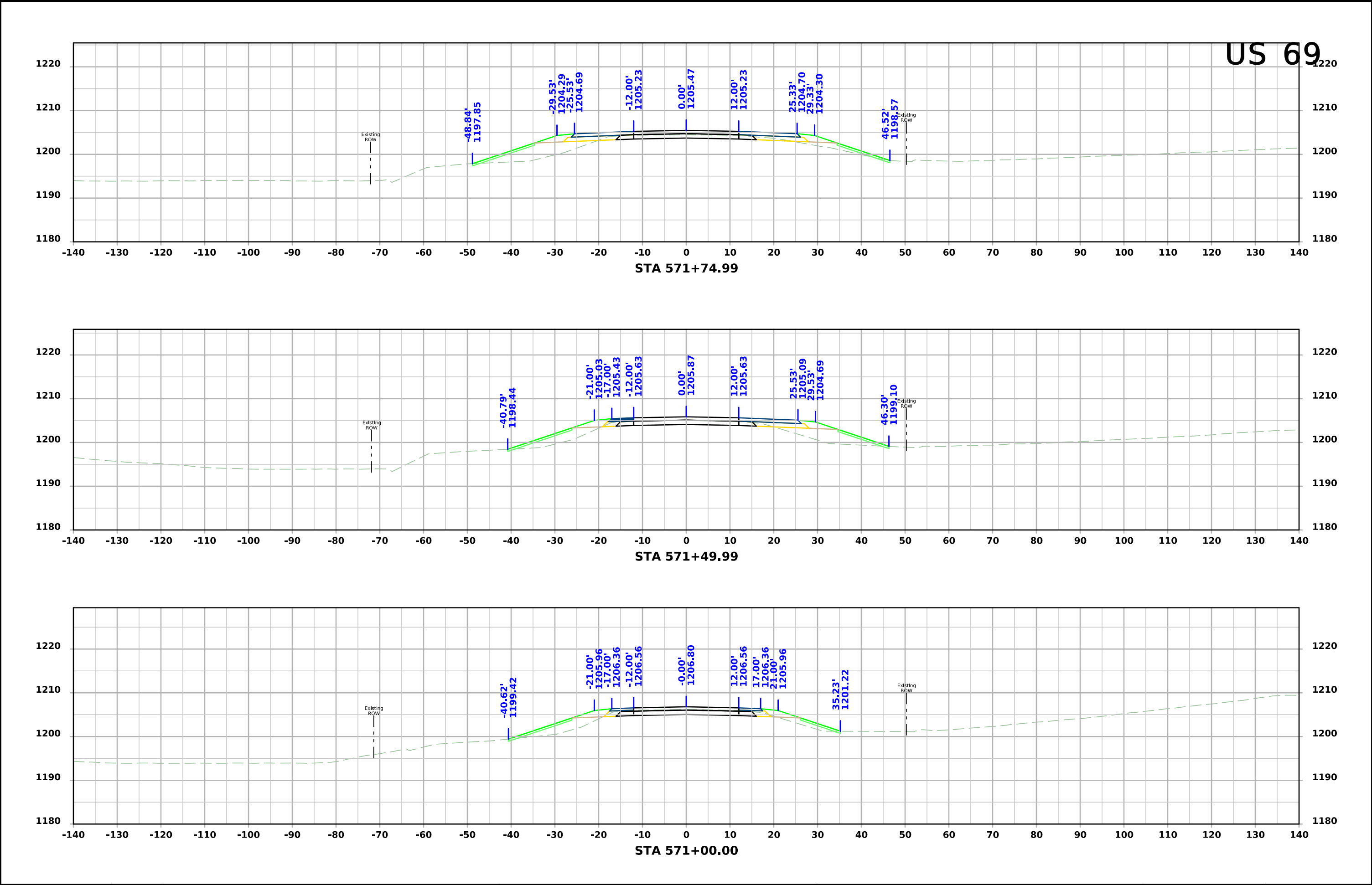
COORDINATED OPERATIONS

Other work in progress during the same period of time will include the construction of the projects listed. Coordinate operations with those of other contractors working within the same area.

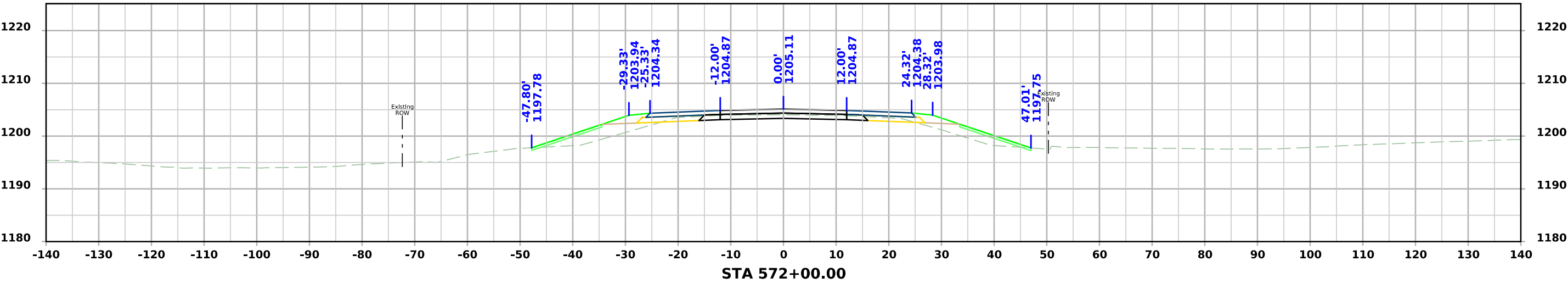
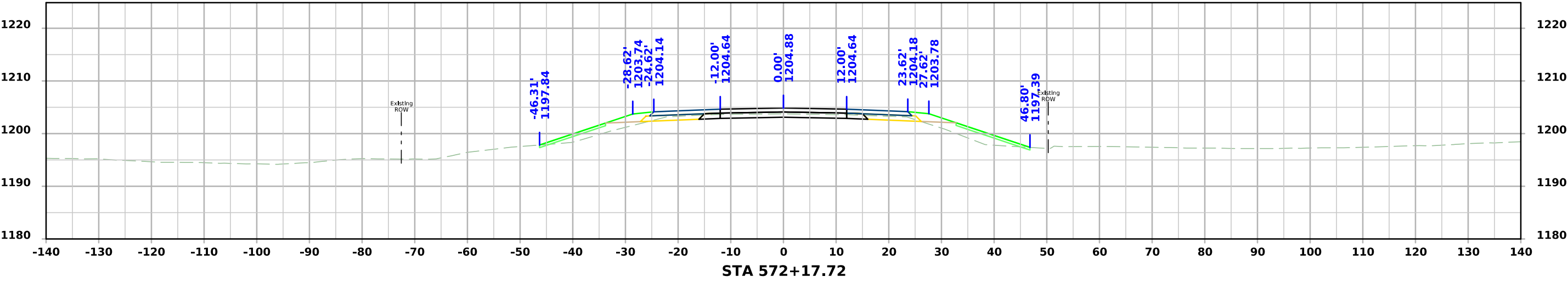
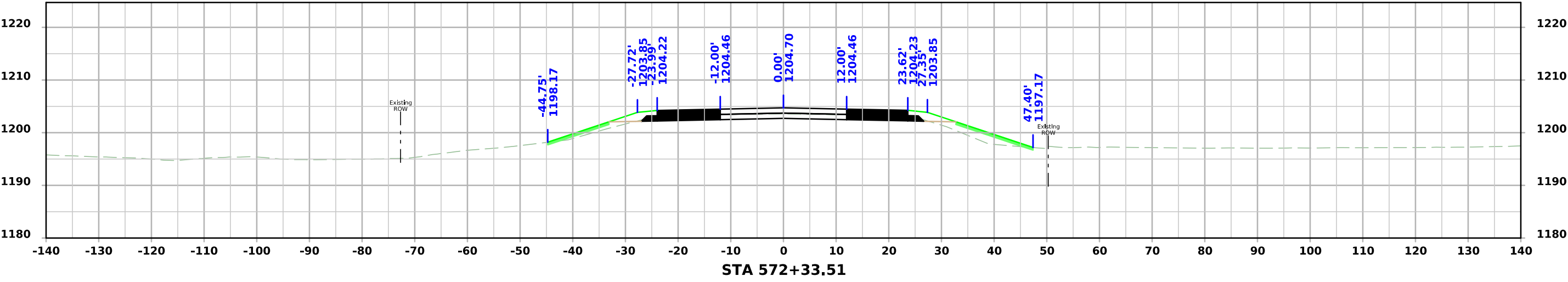
Project	Type of Work
District to provide.	



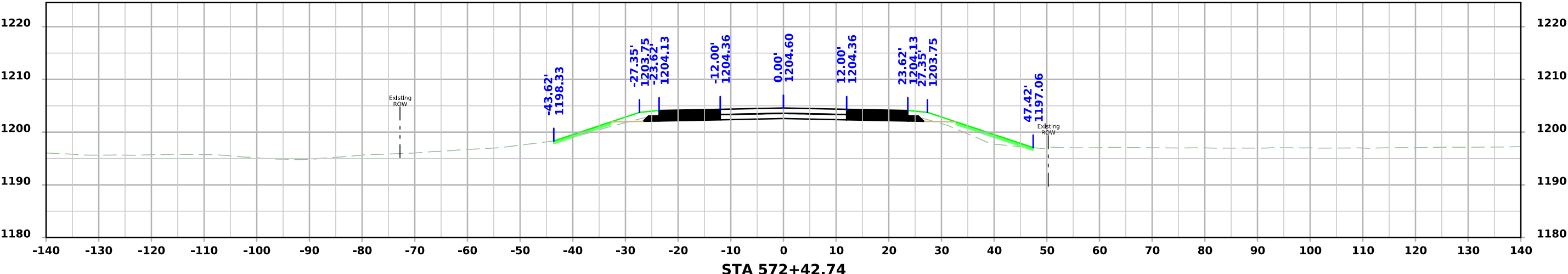
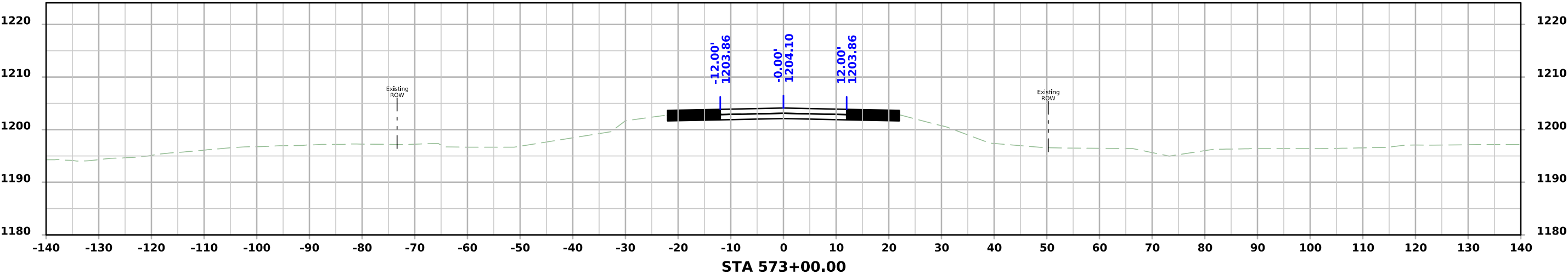
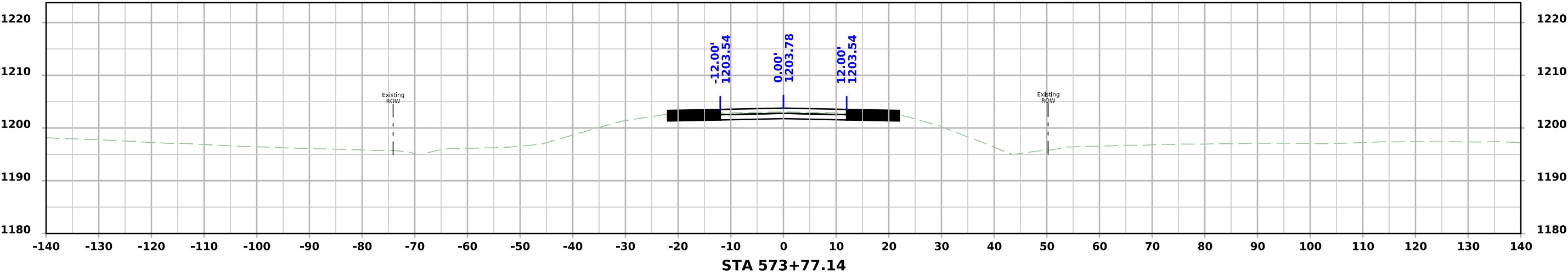




US 69



US 69



US 69

