

SURVEY SYMBOLS

	AST, Above Ground Storage Tank		PR, Electric Riser Pole
	BB, Billboard		PRO, Profile Shot
	BBB, Bottom of Bridge Beam		PT, Curve Point
	BCL, Bridge Centerline		REF, Reference Tie Point
	BD, Bridge Deck		RET, Retaining Walls
	BIN, Grain Bin		RIP, Rip-Rap
	BL, Topo Breakline		ROC, Rock Outcropping
	BLD, Building or Foundation		ROW, Right of Way Mark
	BLS, Bridge Low Steel		RR, Centerline of Railroad Tracks
	BM, Bench Mark		RRB, Railroad Signal Box
	BNK, Stream Bank		RRF, Railroad Frog
	BRG, Bridge		RRR, Railroad Rail
	C, Centerline BL of Road -ML or SR		RRS, Railroad Signal
	CAV, Cave		RRW, Railroad Switch
	CEL, Cell Phone Tower		RT, Radio Tower
	CIS, Cistern		S, Soil Sampling Site -Wetlands
	CON, Concrete or A/C Slab		SBR, Size of Bridge
	CP, Control Point		SC, Spiral Point
	CRP, Corporation Line		SCR, Section Corner
	CS, Curve Point		SEP, Septic Tank
	CI, Back of Curb		SF, Silt Fence -Wetlands
	CUL, Culvert		SG, Staff Gauge -Wetlands
	D, Centerline Draw or Stream -Down		SH, Paved Shoulder
	DAB, Drainage Area Boundary		SHR, Shrub
	DIK, Centerline of Dike or Dam		SI, Sign
	DTM, Photogrammetry Elv Control Check		SL, Speed Limit Sign
	DU, Centerline Draw or Stream -Up		SLN, Section Line
	EB, Electrical Box		SLO, Silo
	EG, Edge of Gravel Road		SNK, Sink Hole
	ENP, Edge Paved Entrance and Park Lot		SNP, Unpaved Shoulder
	ENT, Centerline BL of Entrance		SP, Stream Profile
	ENU, Edge Unpaved Entrance and Parking		STP, Stump
	EP, Edge of Paved Roads -ML or SR		SWK, Sidewalk
	EW, Edge of Water		SWP, Swamp or Marsh
	FCL, Chain Link and Security Fence		TA, Tower Anchor
	FENO, FENO Monument		TBO, Telephone Booth
	FHD, Fire Hydrants		TCB, Traffic Signal Box
	FLG, Flag Poles		TDC, Tree Deciduous
	FP, Filler Pipe		TDL, Traffic Detection Loop
	FW, Wire Fence		TER, Terrace
	FWD, Wood Fence		TEV, Evergreen Tree
	GDC, Guard Rail Cable		TFR, Tree Fruit
	GDL, Guard Rail Steel		TGP, Telegraph Pole
	GP, Guard Post -Less Than 4 Posts		TIL, Tile Line
	GPR, Guard Post -4 or More Posts		TLNL, Tree Line Left
	GR, Ground Shot		TLNR, Tree Line Right
	GRV, Grave		TOP, Top of Bridge Pier
	GU, Gutter In Front of Curb		TPA, Telephone Pole Co. 1
	GV, Gas Valve		TPB, Telephone Pole Co. 2
	HDG, Hedge Row		TPC, Telephone Pole Co. 3
	HS, Hydric Soil -Wetlands		TR, Telephone Riser Pole
	HT, Electrical Highline Tower		TRL, Trail
	IN, Storm Sewer Intake		TS, Spiral Point
	INB, Storm Sewer Beehive Intake		TSB, Telephone Switch Box
	LC, Lot Corner		TSG, Traffic Signal
	LIN, Miscellaneous Line		TSL, Traffic Signal and Luminare
	LP, L.P. Tank		TV, Satellite TV Dish
	LUM, Luminaire		TVP, TV Pedestal
	MH, Utility Access -Manhole		TW, Top of Water
	MIS, Miscellaneous		UB, Utility Box
	MM, Mile Marker Post		UE, Utility Elevation
	OUT, Tile Outlet		UPH, Utility Pot Hole - Quality A
	PC, Curve Point		UST, Underground Tank
	PCP, Photo Control Point		UV, Underground Utility Vault
	PCT, Photo Control Target		VS, Channel Cross Section
	PI, Tangent Point		WC, Wild Card -Misc. Field Shot
	PIP, Pipe Culvert		WEL, Well
	PL, Location of Photo -Wetlands		WHD, Water Hydrant
	PLG, Location of General Photo		WHU, RV Water Hook Up
	POC, Curve Point		WM, Wind Mill
	POST, Spiral Point		WND, Wind Turbine
			WV, Water Valve

SURVEYED UTILITY OWNER SYMBOLS

Sub-Surface Utility Mapping Quality Level is in accordance with CI/ASCE 38-02 Standard Guidelines for the Collection and Depiction of Existing Subsurface Utility Data.

Remark Abbreviations
QLA Quality Level A Highest guideline quality level
QLD Quality Level D Lowest guideline quality level

— E1 —	EL1D, Eastern Iowa Light & Power
— F0 —	FO1D, F&B Communications
— F02 —	FO2D, Sprint
— G —	GL1D, Alliant Energy
— SAN —	SA1D, City of Wheatland
— W —	WL1D, City of Wheatland

UTILITY LEGEND

— E1 —	Eastern Iowa Light & Power Chad Ruden chad.ruden@easterniowa.com
— F02 —	Sprint Mark Klinkenberg mark.klinkenberg2@t-mobile.com
— F0 —	F&B Communications Aaron Horman aaron@fbc-tele.com
— G —	Alliant Energy Mary Montgomery marymontgomery@alliantenergy.com
— T4 —	City of Wheatland Matt Cavey cityguys@fbcom.net
— W —	City of Wheatland Matt Cavey cityguys@fbcom.net
— E5 —	Electric Transmission Chad Levi clevi@itctransco.com

PLAN VIEW COLOR LEGEND OF PLAN AND PROFILE SHEETS

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.	
Lavender	(9)	Temporary Pavement Shading
Yellow	(4)	Proposed Pavement Shading
Orange	(6)	Proposed Granular Shading
Orange	(70)	Proposed Shoulder Granular Shading
Yellow	(68)	Proposed Shoulder Paved Full Depth Shading
Yellow	(132)	Proposed Shoulder Paved Partial Depth Shading
Gray, Dark	(112)	Proposed Grade and Pave Shading "In conjunction with a paving project"
Brown, Light	(236)	Grading Shading
Orange, Light	(134)	Proposed Granular Entrance Shading
Yellow	(220)	Proposed Paved Entrance Shading
Tan	(8)	Proposed Sidewalk Shading
Blue, Light	(230)	Proposed Sidewalk Landing Shading
Pink	(11)	Proposed Sidewalk Ramp Shading
Green, Light	(225)	Existing Pavement Shading
Red	(3)	Proposed Structure Shading

PROFILE VIEW COLOR LEGEND OF PLAN AND PROFILE SHEETS

LINEWORK	Design Color No.	
Green	(2)	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

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

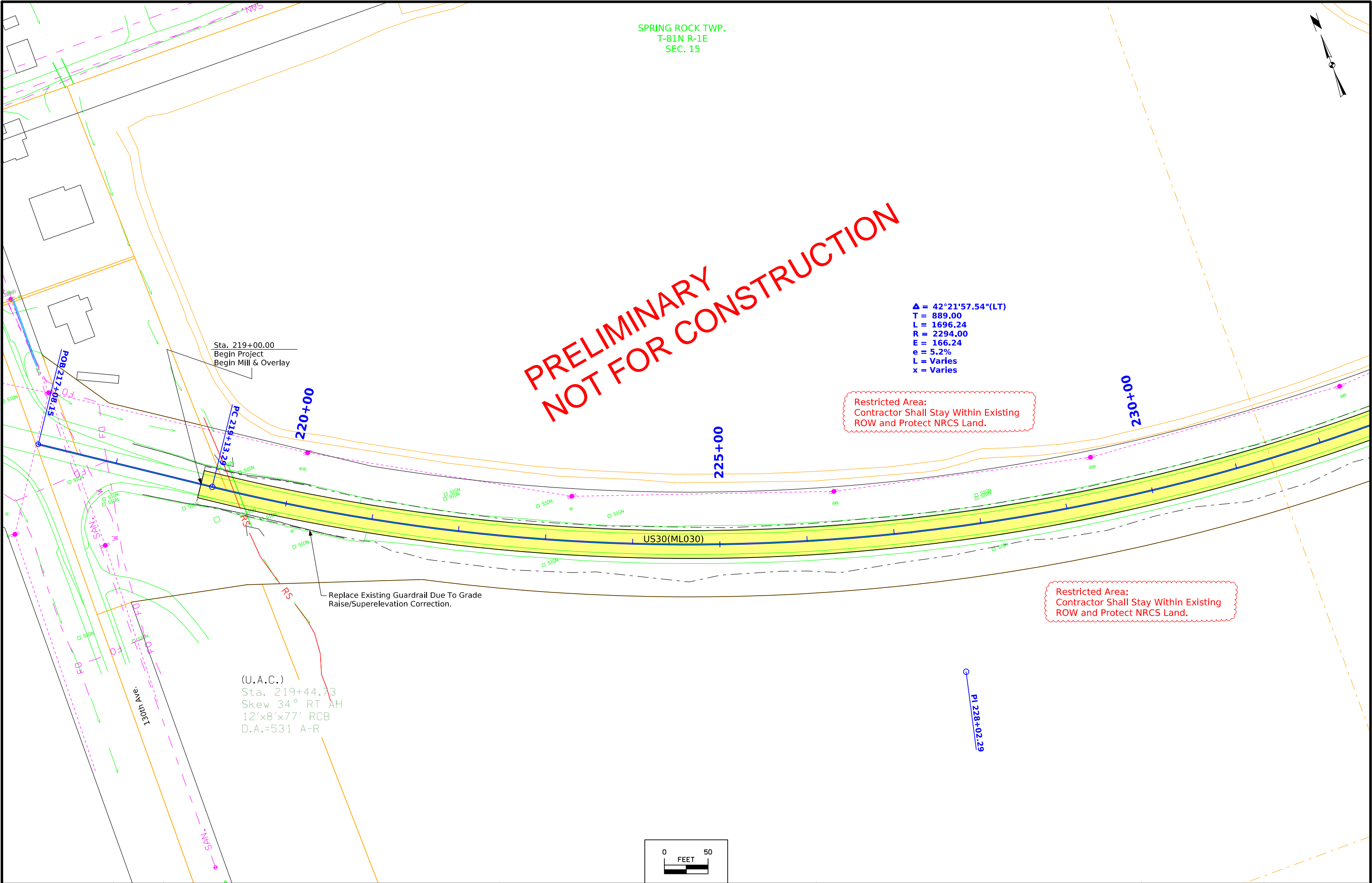
RIGHT-OF-WAY LEGEND

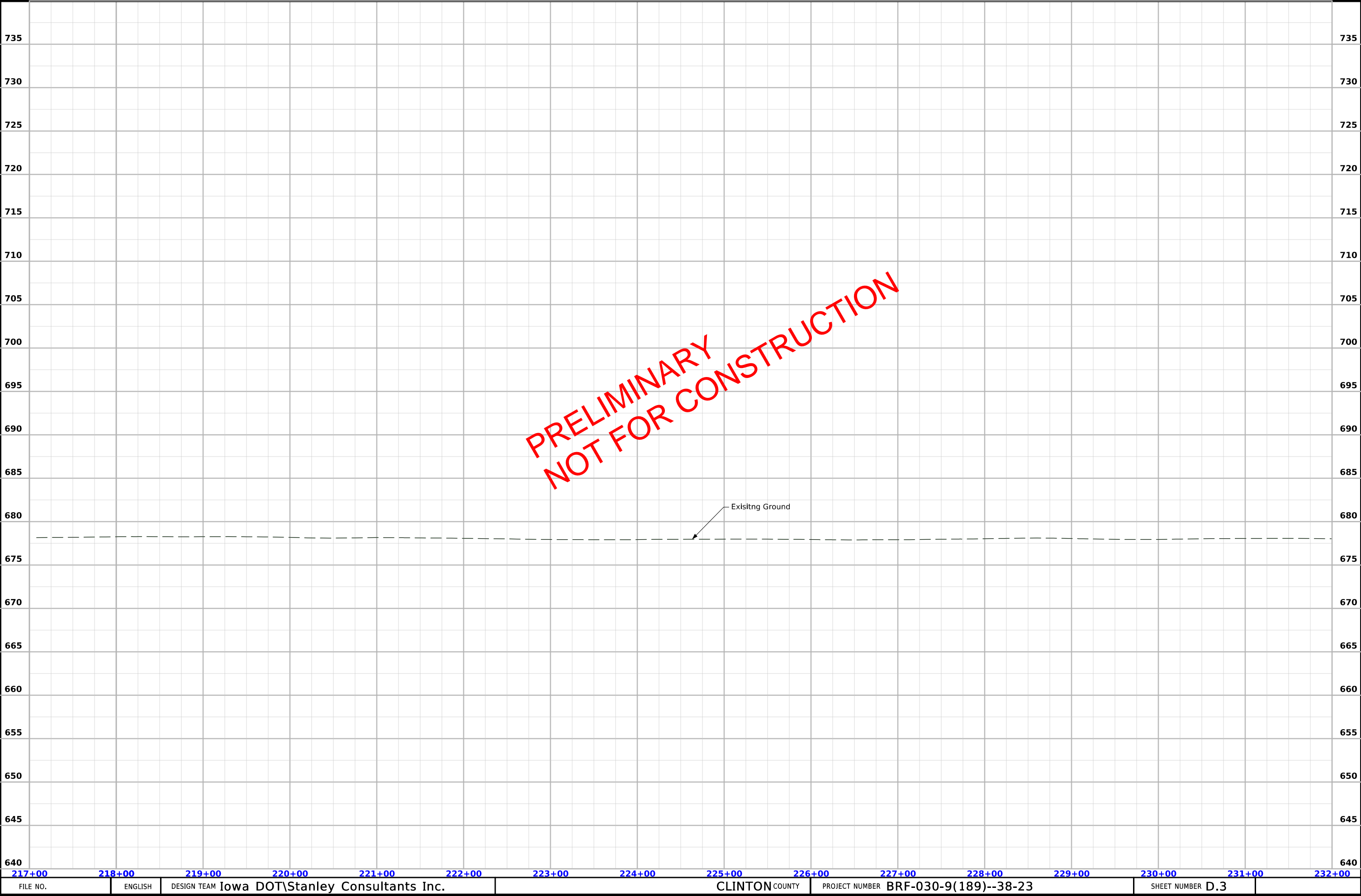
	Proposed Right-of-Way
	Existing Right of Way
	Existing and Proposed Right-of-Way
	Easement and Existing Right-of-Way
	Easement (Temporary)
	Easement
	Access Control
	Property Line

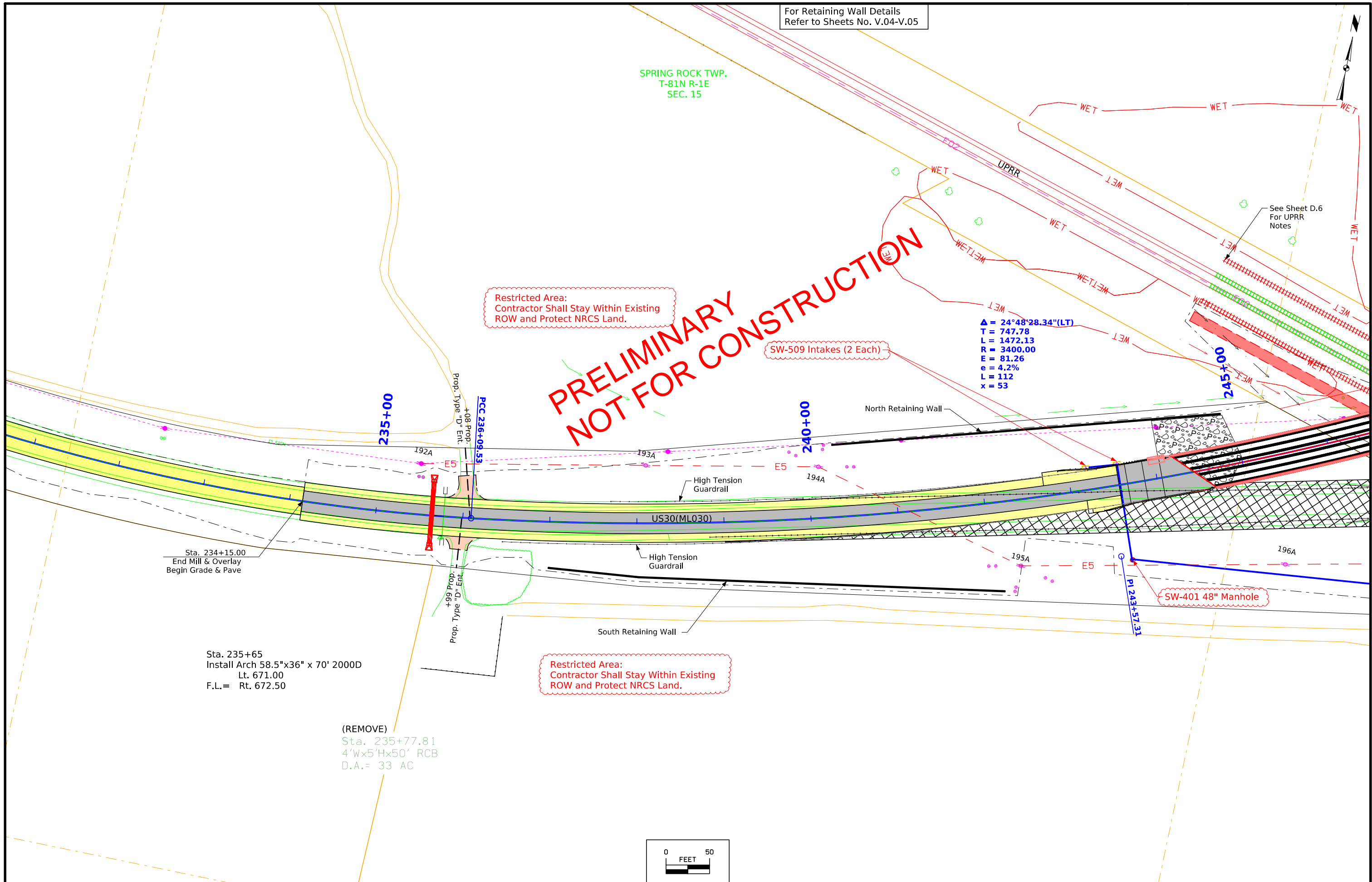
PLAN AND PROFILE
LEGEND AND SYMBOL
INFORMATION SHEET

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

PRELIMINARY
NOT FOR CONSTRUCTION







For Retaining Wall Details
Refer to Sheets No. V.04-V.05

SPRING ROCK TWP.
T-81N R-1E
SEC. 15

Restricted Area:
Contractor Shall Stay Within Existing
ROW and Protect NRCS Land.

**PRELIMINARY
NOT FOR CONSTRUCTION**

SW-509 Intakes (2 Each)

$\Delta = 24^\circ 48' 28.34''$ (LT)
T = 747.78
L = 1472.13
R = 3400.00
E = 81.26
e = 4.2%
L = 112
x = 53

See Sheet D.6
For UPRR
Notes

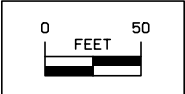
Sta. 234+15.00
End Mill & Overlay
Begin Grade & Pave

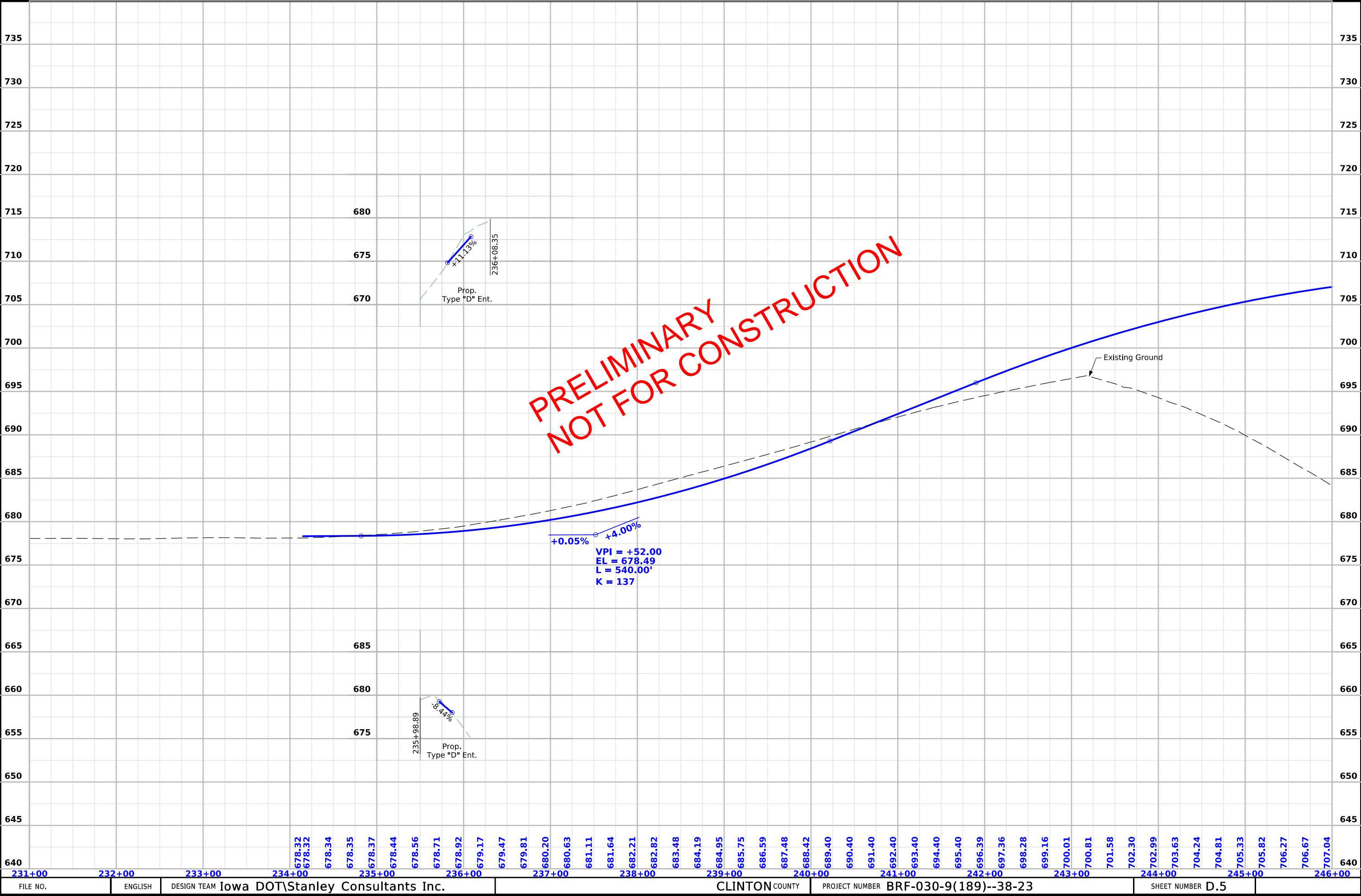
Sta. 235+65
Install Arch 58.5"x36" x 70' 2000D
Lt. 671.00
F.L.= Rt. 672.50

(REMOVE)
Sta. 235+77.81
4'Wx5'Hx50' RCB
D.A.= 33 AC

Restricted Area:
Contractor Shall Stay Within Existing
ROW and Protect NRCS Land.

SW-401 48" Manhole





For Bridge Situation Plans
Refer to Sheets No. V.01 - V.03

SPRING ROCK TWP.
T-81N R-1E
SEC. 15

SPRING ROCK TWP.
T-81N R-1E
SEC. 10

TURTLE EXCLUSION
Temporary turtle barrier shall be installed by the contractor surrounding any areas with ground disturbance or construction vehicle traffic and be continuous with no openings or gaps, except at project ends and/or stream crossings. The contractor shall inspect active work areas for the presence of turtles daily. If turtles are present within the construction area, construction activities in the vicinity shall stop and Brock Struecker (515-567-0515) at the Location and Environment Bureau should be notified immediately. Any gaps in daily inspections of the barrier fence shall be repaired immediately by the contractor. If exclusion fencing is not installed prior to April 1, 2025, installation of fencing cannot begin until a visual inspection of the construction area is completed.

"Restricted Access"
1. The Contractor will note the "Restricted Area - No Access" per the included link for the .dgn.
2. The Contractor shall furnish and install orange safety fence according to Article 4188.03 of the Standard Specifications.
3. The Contractor shall contact Jeff Bacon (515-233-7819) with the Location and Environment Bureau with questions.

Sta. 255+97.17
Install 30"x210' 2000D
Lt. 666.00
F.L.= Rt. 665.00

**PRELIMINARY
NOT FOR CONSTRUCTION**

(REMOVE)
Sta. 247+06.99
SKEW 46° RT AH
36"x171' RCP

(REMOVE)
Sta. 247+03.17
SKEW 46° RT AH
30"x166' CMP

Sta. 247+20.00
Construct 550'-0" x 44'-0"
Continuous Welded Plate
Girder Bridge

PT 250+81.66

US30(ML030)

196A

E5

DR-201 18" Apron

(REMOVE)
Sta. 246+51.49, 164.36 RT
24"x70' RCP

Restricted Area:
Contractor Shall Stay Within Existing
ROW and Protect NRCS Land.

(REMOVE)
EXIST. BRIDGE

Existing US 30

EXIST. UPRR TRACK

FUTURE UPRR TRACK

FUTURE UPRR TRACK

FUTURE UPRR
ACCESS ROAD

0 50
FEET

FILE NO.

ENGLISH

DESIGN TEAM

Iowa DOT\Stanley Consultants Inc.

CLINTON COUNTY

PROJECT NUMBER

BRF-030-9(189)--38-23

SHEET NUMBER

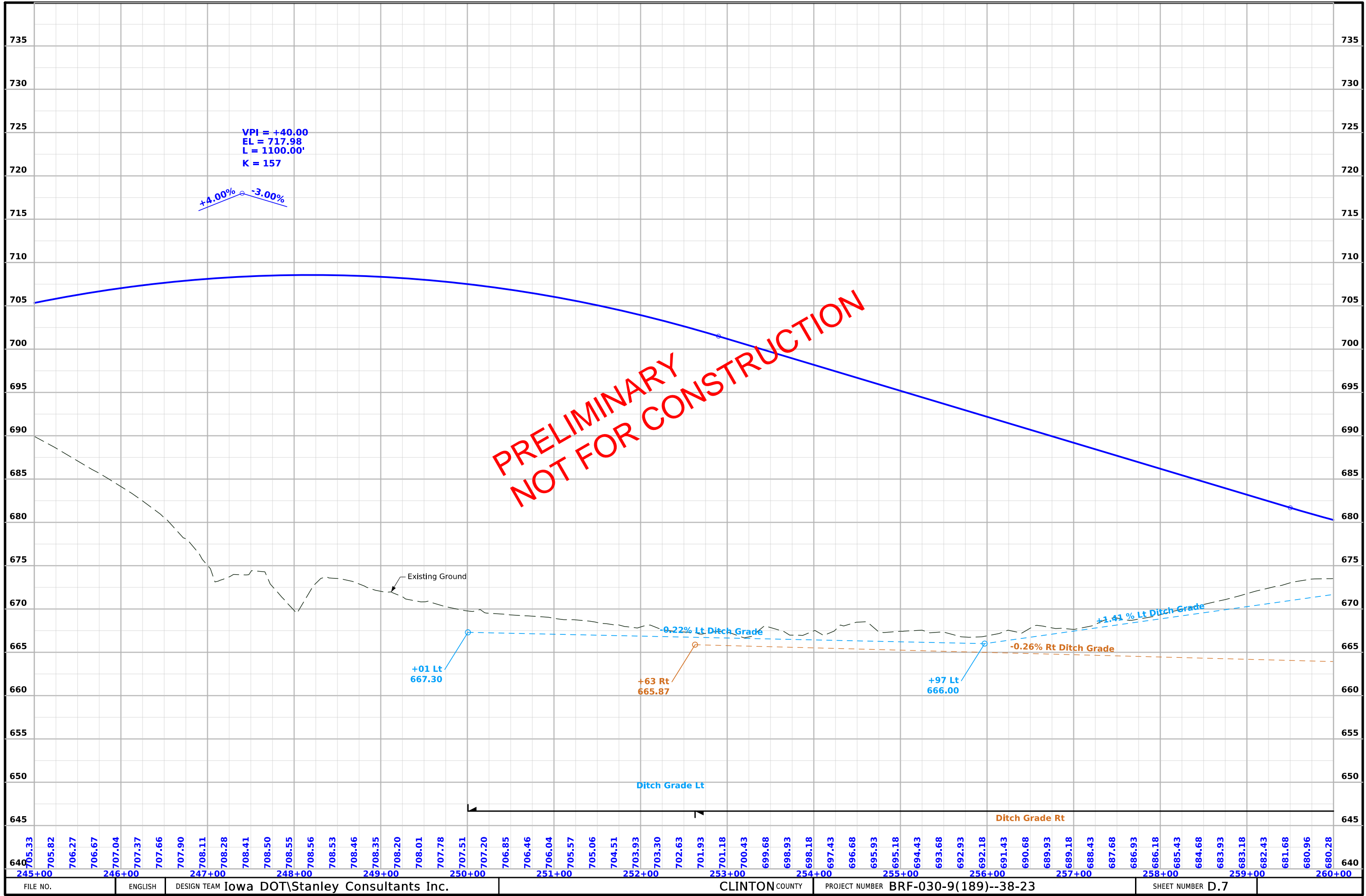
D.6

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1/20/2026

8877

pw:\projectwise.dot.int\lan:PWMMain\Documents\Projects\2303002019\Design\CADD_Files_D05-PRELIM-Design\Sheet_Files\SH_T_23030189_D02.dgn



TURTLE EXCLUSION
Temporary turtle barrier shall be installed by the contractor surrounding any areas with ground disturbance or construction vehicle traffic and be continuous with no openings or gaps, except at project ends and/or stream crossings. The contractor shall inspect active work areas for the presence of turtles daily. If turtles are present within the construction area, construction activities in the vicinity shall stop and Brock Struecker (515-567-0515) at the Location and Environment Bureau should be notified immediately. Any gaps in daily inspections of the barrier fence shall be repaired immediately by the contractor. If exclusion fencing is not installed prior to April 1, 2025, installation of fencing cannot begin until a visual inspection of the construction area is completed.

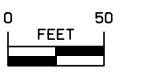
SPRING ROCK TWP.
T-81N R-1E
SEC. 10

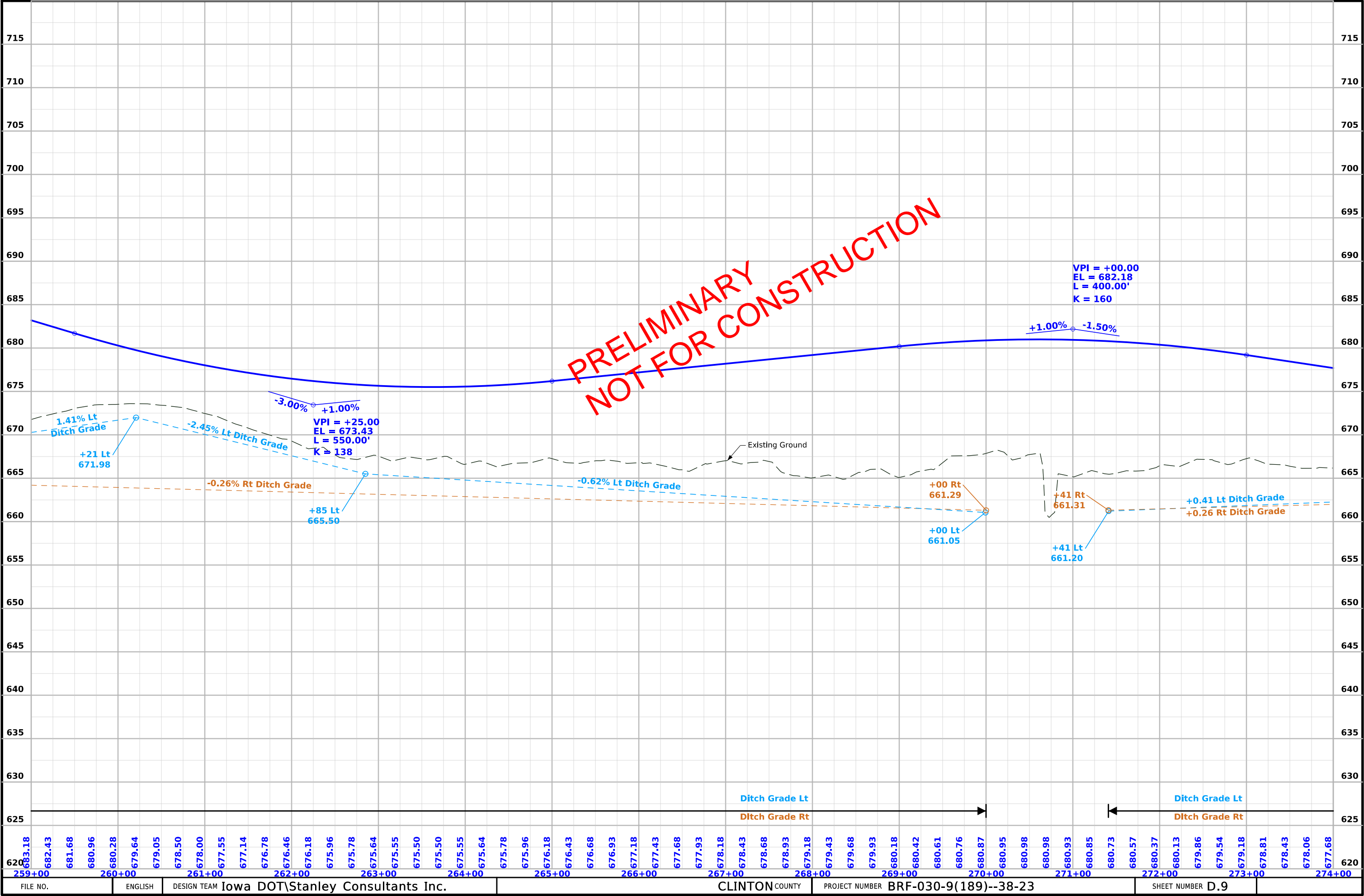
$\Delta = 37^{\circ}58'17.68''(\text{RT})$
 $T = 626.17$
 $L = 1206.17$
 $R = 1820.00$
 $E = 104.71$
 $e = 5.8\%$
 $L = 155$
 $x = 53$

PRELIMINARY
NOT FOR CONSTRUCTION

Project No. BRF-030-9(196)--38-23
Sta. 270+78.55
196'-0" x 44'-0"
Continuous Concrete Slab Bridge

SPRING ROCK TWP.
T-81N R-1E
SEC. 15





TURTLE EXCLUSION
Temporary turtle barrier shall be installed by the contractor surrounding any areas with ground disturbance or construction vehicle traffic and be continuous with no openings or gaps, except at project ends and/or stream crossings. The contractor shall inspect active work areas for the presence of turtles daily.
If turtles are present within the construction area, construction activities in the vicinity shall stop and Brock Struecker (515-567-0515) at the Location and Environment Bureau should be notified immediately. Any gaps in daily inspections of the barrier fence shall be repaired immediately by the contractor. If exclusion fencing is not installed prior to April 1, 2025, installation of fencing cannot begin until a visual inspection of the construction area is completed.

SPRING ROCK TWP.
T-81N R-1E
SEC. 11

Refer to L.1 for 142nd
Ave. Intersection



PRELIMINARY
NOT FOR CONSTRUCTION

Δ = 04°19'37.39"(LT)
T = 344.92
L = 689.51
R = 9130.00
E = 6.51
e = N.C
L = N/A
x = N/A

275+00

280+00

285+00

142nd Ave

Sta. 287+50.00
End Grade & Pave
Continue Shoulder Construction

US30(ML030)

Existing US 30

207A

207B

208A

209A

210A

211

Continue Full Depth/Full Width
(10' wide) Shoulder Reconstruction
From Sta. 287+50 to Sta. 290+00
To Match Adjacent Project By Others

SPRING ROCK TWP.
T-81N R-1E
SEC. 14

