LETTING DATE 11-19-2024

Bridge-Unspecified

BRFN-014-6(44)--39-38

GRUNDY COUNTY

INDEX OF SHEETS	
No.	DESCRIPTION
A Sheets	**Title Sheets**
* A.1	Title Sheet/Location Map
B Sheets	**Typical Cross Sections and Details**
B.1 - 3	Typical Cross Sections and Details
D Sheets	**Mainline Plan and Profile Sheets**
* D.1	Plan & Profile Legend & Symbol Information Sheet
* D.2	IA 14 Plan & Profile
J Sheets	**Traffic Control and Staging Sheets**
J.1	Traffic Control Plan
* J.2	Detour Map
V Sheets	**Bridge and Culvert Situation Plans**
V.1 - 3	Bridge and Culvert Situation Plans
W Sheets	**Mainline Cross Sections**
W.1 - 4	Mainline Cross Sections
	* Color Plan Sheets

IOWA DOT

REVISIONS

TOTAL 15

PROJECT IDENTIFICATION NUMBER
20-38-014-010

PROJECT NUMBER
BRFN-014-6(44)--39-38

R.O.W. PROJECT NUMBER
NHSN-014-6(45)--2R-38

PLANS OF PROPOSED IMPROVEMENT ON THE

PRIMARY ROAD SYSTEM

GRUNDY COUNTY

Bridge-Unspecified

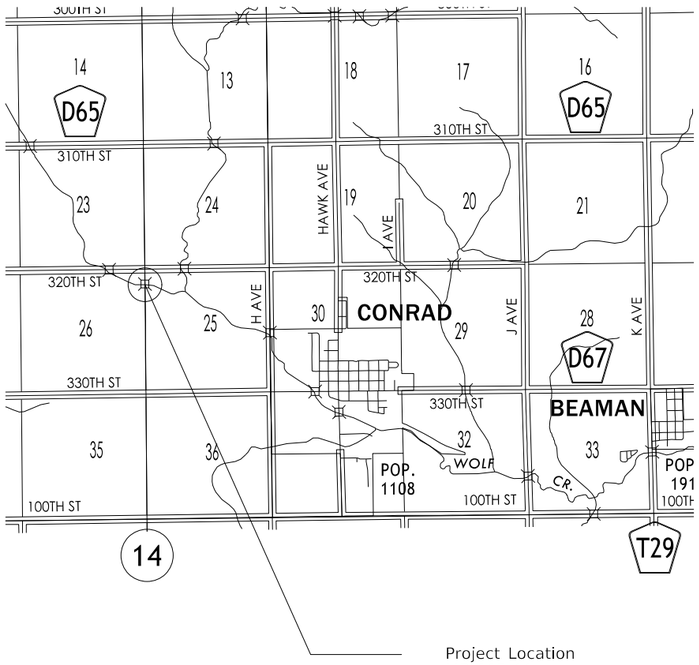
Wolf Creek 0.8 mi N fo Co Rd D67

SCALES: As Noted

Refer to the Proposal Form for list of applicable specifications.

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

IOWA ONE CALL
1-800-292-8989
www.iowaonecall.com
811 Know what's below. Call before you dig.



Project Location
MP 115.44
Maintenance No. 3815.4S014
FHWA No. 25830

D4 PLAN – Date: 7–23–2024

INDEX OF SEALS		
SHEET NO.	NAME	TYPE
A.1	Allison Smyth	Primary Signature Block

PRELIMINARY PLANS

Subject to change by final design.

D5 PLAN – Date: 3–17–2023

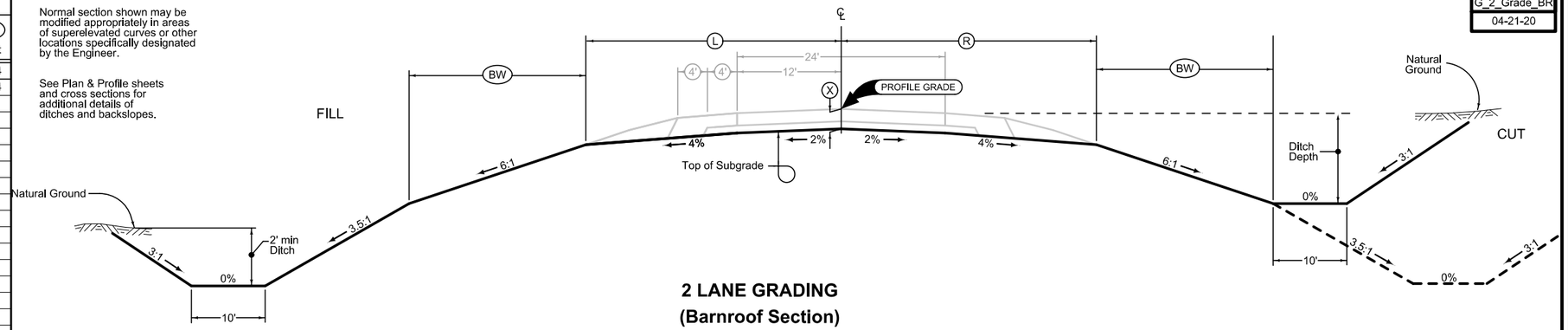
FILE NO.	ENGLISH	DESIGN TEAM Smyth/Adey/Vais	GRUNDY COUNTY	PROJECT NUMBER BRFN-014-6(44)--39-38	SHEET NUMBER A.1

11:40:10 AM 2/27/2023 mvais pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\3801401020\DistrictDesign\38014044_A1.dgn

LOCATION			DIMENSIONS			
ROAD IDENTIFICATION	STATION TO STATION		(L) Feet	(R) Feet	(X) Inches	(BW) Feet
IA 14	96+87.66	97+85.80	36	36	24	7.04
IA 14	100+29.84	101+19.99	36	36	24	7.04

Normal section shown may be modified appropriately in areas of superelevated curves or other locations specifically designated by the Engineer.

See Plan & Profile sheets and cross sections for additional details of ditches and backslopes.

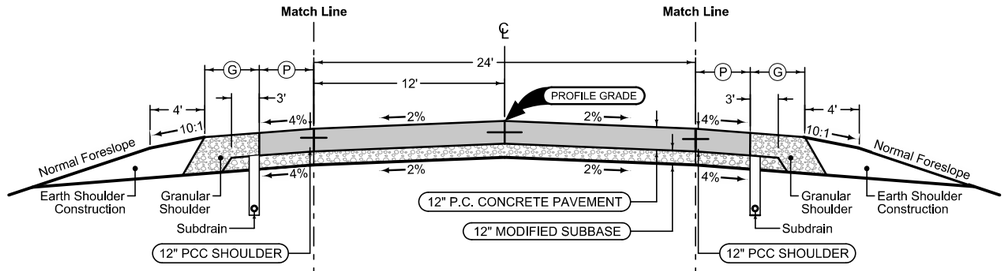


2 LANE GRADING
(Barnroof Section)

G_2_Grade_BR
04-21-20

FILE NO.	ENGLISH	DESIGN TEAM Smyth/Adey/Vais	GRUNDY COUNTY	PROJECT NUMBER BRFN-014-6(44)--39-38	SHEET NUMBER B.1	

11:51:16 AM 2/23/2023 mvais pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\3801401020\DistrictDesign\38014044_B1.dgn



Mainline Jointing:
Transverse joints: CD at 17' spacing
Longitudinal joint: L-2

2P_ 04-21-20	
STATION TO STATION	
96+87.66	97+86.01
100+27.32	101+19.99

Full Depth PCC Combination Shoulder

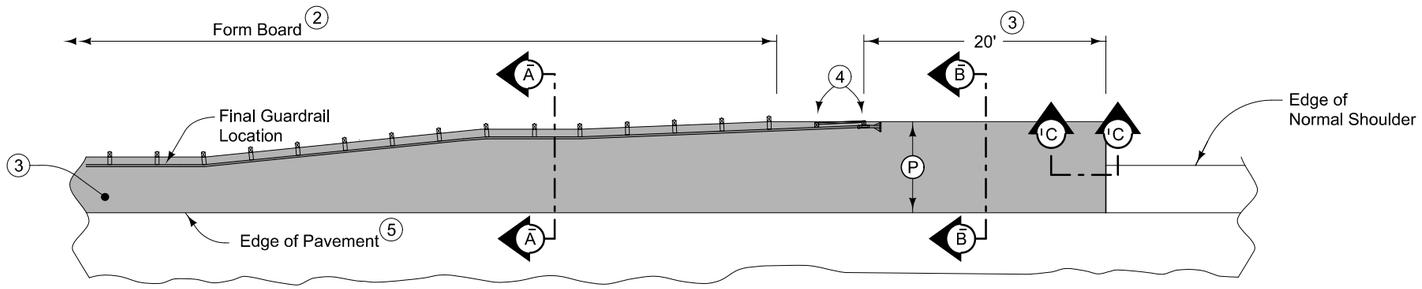
Shoulder Jointing:
Longitudinal joint: L-2 or KT-2
Transverse joints: C at 17' spacing

2_C_FullPCC_ 04-21-20			
STATION TO STATION		Ⓟ Feet	Ⓖ Feet
96+87.66	97+47.71	4	4
100+90.45	101+99.19	4	4

Full Depth PCC Combination Shoulder

Shoulder Jointing:
Longitudinal joint: L-2 or KT-2
Transverse joints: C at 17' spacing

2_C_FullPCC_ 04-21-20			
STATION TO STATION		Ⓟ Feet	Ⓖ Feet
96+87.66	97+23.20	4	4
100+65.27	101+19.99	4	4

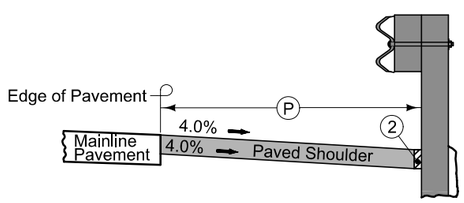


PLAN VIEW

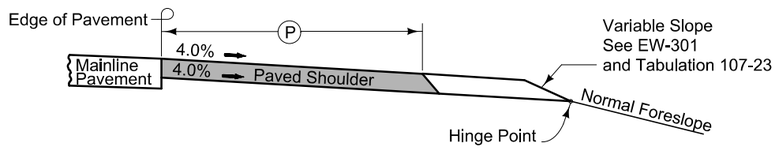
Section A-A

Section B-B

NEW CONSTRUCTION



Section A-A



Section B-B

EXISTING SHOULDER

DESIGNER INFO

7156
04-18-17

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.

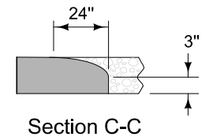
(1) For subgrade treatment, refer to other details in the plan.

(2) 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. Refer to note 4 for final 2 posts.

(3) Continue paved shoulder to existing paved shoulder or 20 feet beyond the center of the first post.

(4) Shoulder may be notched for final 2 posts or post sleeves may be installed through pavement. Do not drive posts through pavement.

(5) 'KT-1 joint for PCC shoulder.
'B' joint for HMA shoulder.



Section C-C
Roll down at granular shoulder or earth.

PAVED SHOULDER AT GUARDRAIL

SURVEY SYMBOLS

- 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
- WH Water Hydrant (Rural)
- Septic Tank
- Cistern
- L.P. Gas Tank (No Footing)
- Underground Storage Tank
- Latrine
- Satellite TV Dish
- WHU Water Hook Up
- RT Radio Tower
- TA Tower Anchor
- Guardrail (Beam or Cable)
- GP Guard Post (one or two)
- Guard Post (over two)
- FP Filler Pipe
- GV Gas Valve
- WV Water Valve
- SL Speed Limit Sign
- MM Mile Marker Post
- SIGN Sign
- TCB Traffic Signal Control Box
- RRB Rail Road Signal Control Box
- TSB Telephone Switch Box
- EB Electric Box

UTILITY LEGEND

FO

Jay Duncan
Plant Manager
Heart of Iowa Communications Cooperative
502 Main Street
Union, IA 50258-0130
(641) 486-2211
jduncan@heartofiowa.coop

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mmadren@irua.net

E

David Gross
Permitting Specialist
ITC Midwest LLC
100 E. Grand Avenue - Suite 230
Des Moines, IA 50309
(515) 639-3325 Cell: (507) 320-2422

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
Red	(3)	Delineates Restricted Areas

PROFILE VIEW COLOR LEGEND OF PLAN AND PROFILE SHEETS

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

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

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
- C/A Access Control
- Property Line

PLAN AND PROFILE LEGEND AND SYMBOL INFORMATION SHEET

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

FILE NO.	ENGLISH	DESIGN TEAM Smyth/Adey/Vais	GRUNDY COUNTY	PROJECT NUMBER BRFN-014-6(44)--39-38	SHEET NUMBER D.1

6:55:21 AM 2/28/2023 mvais pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\3801401020\DistrictDesign\38014044_LGD.dgn

FelixTWP.
T-86N R-18W
SEC. 26

EQN B 98+76.50(AH) =
A 98+75.56(BK)

91+00 92+00 93+00 94+00 95+00 96+00 97+00 98+00 99+00 100+00 101+00 102+00 103+00 104+00 105+00 106+00

Private Drive
UAC 95+58.48

PI 96+55.41

96+87.66
Begin Construction

PC 94+35.25

Private Drive
UAC 96+35.99

Wolf Creek

Wolf Creek

ROW

ROW

ROW

ROW

ROW

ROW

ROW

FO

Δ = 00°50'37.05" (RT)
T = 220.16
L = 440.31
R = 29904.21
E = 0.81
e = —
L = —
x = —

14

101+20.00
End Construction

320th St.
UAC 105+30.86

0 FEET 50

Remove:
Stä. 99+06.97
60.0'x30.0'
Continuous Concrete
Slab Bridge
D.A.=10500 Ac-Per Plans
F-14-6(22)-20-38

Sta. 99+08.34
Proposed 100.0'x44.0'
Continuous Concrete Slab Bridge
0° Skew

1025 1020 1015 1010 1005 1000 995 990

End Costruction
Elev. 1005.61

-1.20% +0.50%
VPI = +34.75
ELV = 1004.17
L = 250.00
K = 147

Begin Construction
Elev. 1005.93

-1.50% Rt.
Ditch Grade

+96 Rt.
1001.64

+57 Rt.
999.10

Lt.
Rt.

U.A.C. Ditch Grade | Bridge Bridge | U.A.C. U.A.C.

1005.93 1005.78 1005.49 1005.24 1005.03 1004.86 1004.74 1004.65 1004.61 1004.61 1004.66 1004.74 1004.86 1004.99 1005.11 1005.24 1005.36 1005.49 1005.61

91+00 92+00 93+00 94+00 95+00 96+00 97+00 98+00 99+00 100+00 101+00 102+00 103+00 104+00 105+00 106+00

FILE NO.	ENGLISH	DESIGN TEAM Smyth/Adey/Vais	GRUNDY COUNTY	PROJECT NUMBER BRFN-014-6(44)--39-38	SHEET NUMBER D.2

7:07:28 AM 3/1/2023 mvais pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\3801401020\DistrictDesign\38014044_D1.dgn

NO ACCESS RIGHTS ARE TO BE ACQUIRED ON THIS PROJECT.

1

J. PATRICK NEUROTH &

PATRICIA A. MEANS NEUROTH

TEMPORARY EASEMENT
TO SHAPE

2

BUSCH FARM

PROPERTIES LLC

TEMPORARY EASEMENT
TO SHAPE

STA 98+00
℄ 70'

STA 99+08±℄
℄ 70'

STA 99+92
℄ 70'

95+00

100+00

105+00

14

STA 98+45
℄ 85'

STA 99+86
℄ 60'

TEMPORARY EASEMENT
TO SHAPE

3

JOANN R. KLEIN (LE)

MARY L. CHADWICK

KEVIN P. KLEIN

0 50
FEET

Right of Way Design Information
THIS SHEET INCLUDED
FOR INFORMATION ONLY

ROW Team: ATINKEN / JLARSON
ROW #: NHSN-014-6(45)-2R-38
Plan Date: 4/25/2023
Color Legend:
Property Lines
Temporary Easement
Permanent Acquisition

FILE NO.	ENGLISH	DESIGN TEAM Smyth/Adey/Vais	GRUNDY COUNTY	PROJECT NUMBER BRFN-014-6(44)--39-38	SHEET NUMBER H.1

6:21:42 AM 4/26/2023 jlarso1 pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\3801401020\ROW\ROW_38014045.dgn

108-23A
08-01-08

TRAFFIC CONTROL PLAN

Iowa 14 will be closed to traffic during construction. See detour map on sheet J.2. The detour will be placed and maitained by the contractor.

108-25
10-21-14

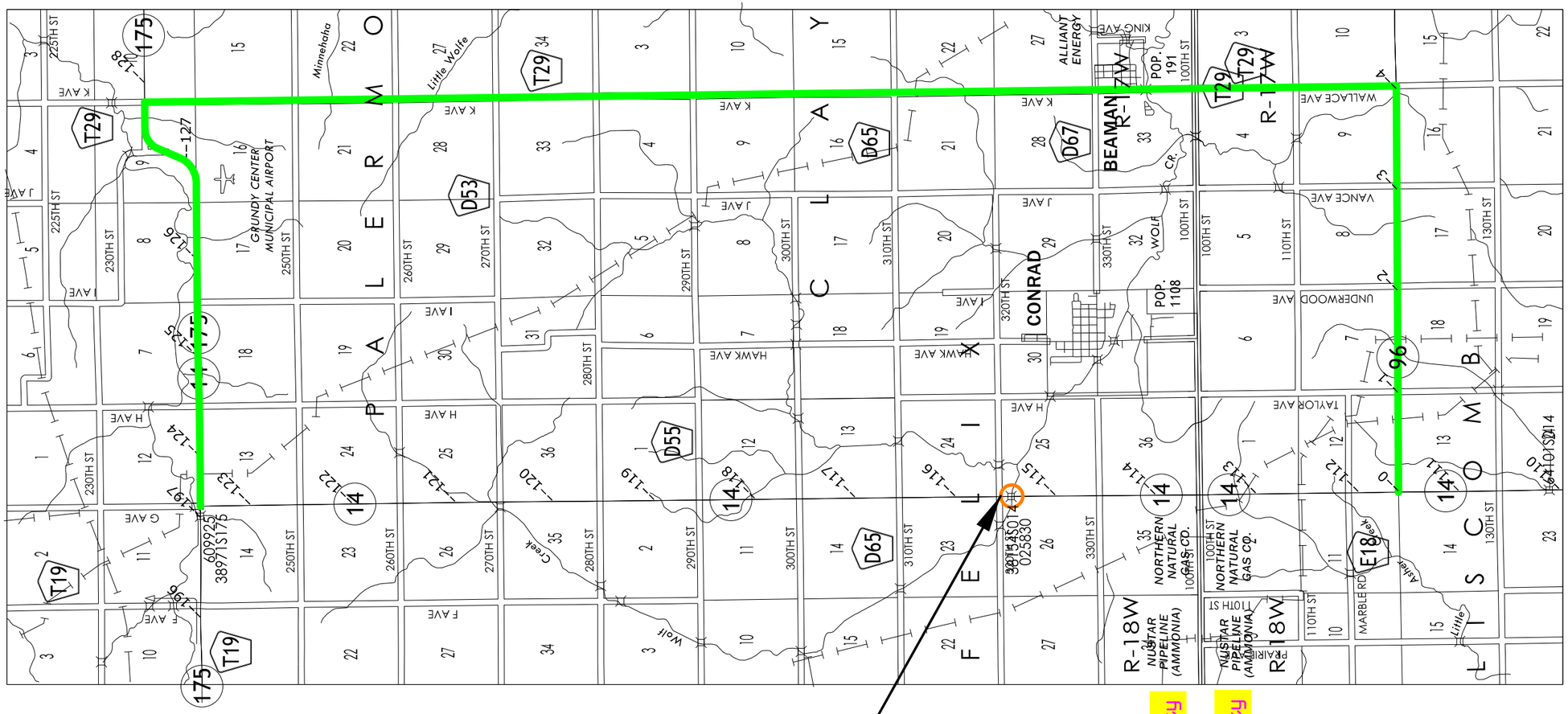
511 TRAVEL RESTRICTIONS

Route	Direction	County	Location Description	Feature Crossed	Object Type	Maint. Bridge No., Structure ID, or FHWA No.	Type of Restriction	Existing Measurement	Construction Measurement	Construction Measurement as Signed	Projected As Built Measurement	Remarks
			No restrictions expected.									

County Border

Detour Route

Construction Area



Project Location
MP 115.44
FHWA No. 25830
Maintenance No. 3815.4S014

LOCATION MAP SCALE

0 1 2

Grundy County

Marshall County

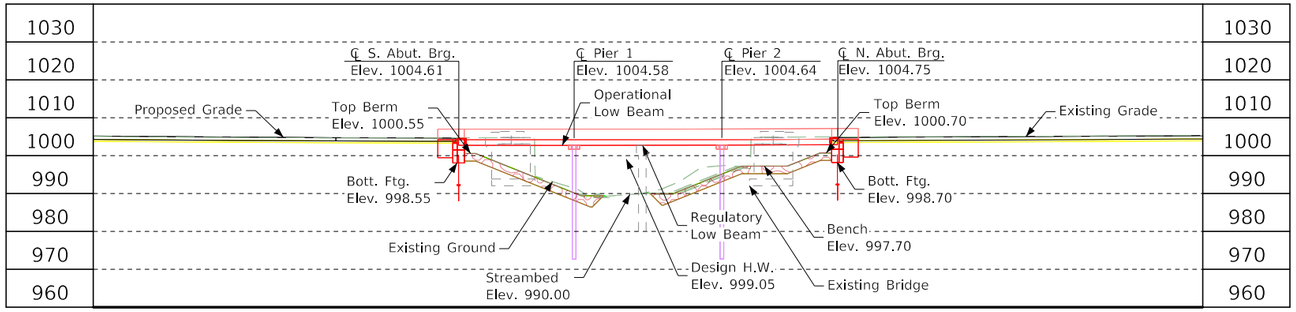
IOWADOT

Grundy County
Project Location Map
Proposed Detour Map
for BRFN-014-6(66)--39-38

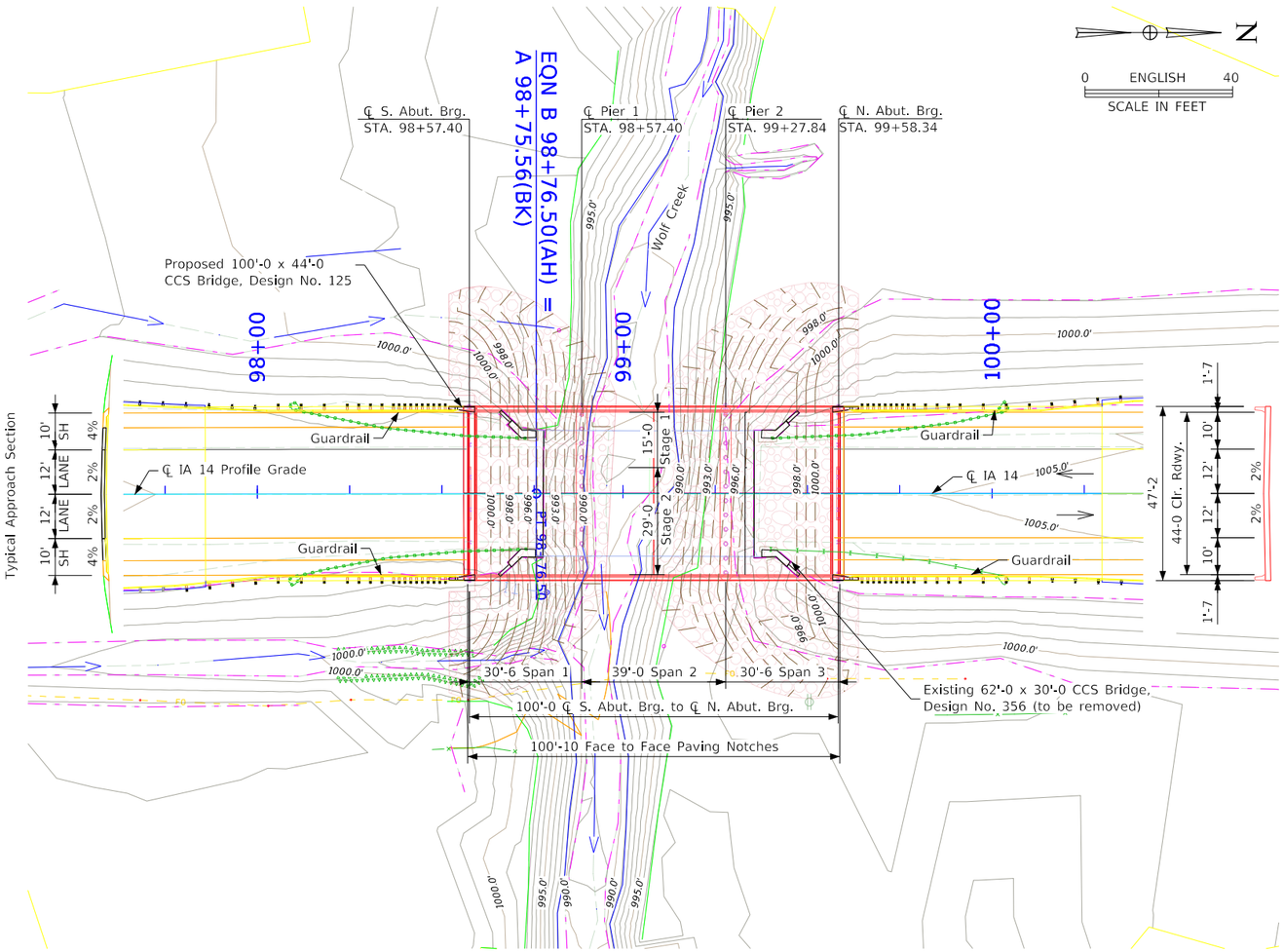
FILE NO.	ENGLISH	DESIGN TEAM Smyth/Adey/Vais	GRUNDY COUNTY	PROJECT NUMBER BRFN-014-6(44)--39-38	SHEET NUMBER J.2

2:22:08 PM 2/23/2023 mvais pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\3801401020\DistrictDesign\38014044_J2DetourMap.dgn

Control Point: 380141156,8750863.716,15322654.68,1007.268,FENO SET FENO MONUMENT 3IN DEEP NEAR THE INTERSECTION OF HWY 14 AND 320TH ST
MONUMENT IS 72FT W OF CL HWY 14 48FT N OF 320TH ST AND 16.5FT NE OF ROW IP W/ ALUM CAP



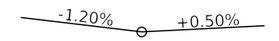
LONGITUDINAL SECTION ALONG ℄ APPROACH ROADWAY



SITUATION PLAN

Curve Data

PI Sta. 96+55.41
Δ = 00°50'37.05" (RT)
T = 220.16
L = 440.31
R = 29904.21
E = 0.81
PC Sta. 94+35.25
PT Sta. 98+76.50



VPI Sta. = 98+34.75 VC = 250'
VPI Elev. = 1004.17

Proposed Profile
Grade IA 14

Plan Notes:
1. Top of bridge deck crown 0.03' below profile grade.
2. Class E Revetment stone is embedded.

General Notes:
1. This design is for the replacement of the existing 62'-0 x 30'-0 Continuous Concrete Slab bridge, Design No. 356. FHWA 25830, Maint. No. 3815.4S014.

Design Notes:
1. Standard J44-14 Continuous Concrete Slab Bridge
2. TL-4 Bridge Railing
3. Final Designer may consider full encasement of pile bents to reduce the design unbraced length.
4. There is a horizontal curve on a portion of the proposed bridge. The difference between the curve and chord at the back of the bridge at near abutment is 0.005'. Bridge to be built on chord.
5. There is a vertical sag located on the bridge that cannot be moved due to constraints from new road pavement constructed at the north and south of bridge location. Verify that bridge deck will have sufficient drainage.

Utilities Legend

--F0-- Fiber Optic Line

Utilities shown on this sheet are for information only, see road design sheets for final utility information.

Location

IA 14 Over Wolf Creek
T-86N R-18W
Sections 25 & 26
Felix Township
Grundy County
FHWA No. 25831
Bridge Maint. No. 3815.4S014
Latitude 42.237075°
Longitude -92.904589°

Traffic Estimate

2019	AADT	2,710 V.P.D.
2039	AADT	3,762 V.P.D.
2036	DHV	???? V.P.H.
Trucks		19.19 %
Total		
Design ESALs		1,961,125

Hydraulic Data

RIDB: WolfC_Black_61.9
Drainage Area = 16.1 Sq. Mi.
Stream Slope = 7.92 Ft./Mi.
Avg. Low Water Stage = 991.07

Q_{25} = 3,536 CFS
Stage = 998.53

Q_{50} = 4,300 CFS
Stage = 999.05
Regulatory Low Beam = 1002.73
Avg. Bridge Velocity = 7.98 FPS

Q_{100} = 5,061 CFS
Stage = 999.47
Operational Low Beam = 1002.73
Backwater = 0.78 Ft.
Avg. Bridge Velocity = 8.66 FPS

Q_{200} = 6,523 CFS
Stage = 1000.72
Calculated Design Scour = 980.46

Q Overtop= 7,076.6 cfs
Avg. Bridge Velocity = 8.40 fps
Calculated Check Scour = 979.73

Q_{500} = 7,077 cfs

Roadway Overtop 1004.37
Sta. 98+86.25

Hydraulic Design

LICENSED PROFESSIONAL ENGINEER
Linda Su
P27284
IOWA

I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Iowa.

Signature Linda Su Date 02-15-2023

Printed or Typed Name

My license renewal date is December 31, 2023

Pages or sheets covered by this seal: V.1, V.2

Design For 0° Skew

100'-0 x 44'-0 CONTINUOUS CONCRETE SLAB BRIDGE

30'-6 End Spans 39'-0 Interior Span

SITUATION PLAN

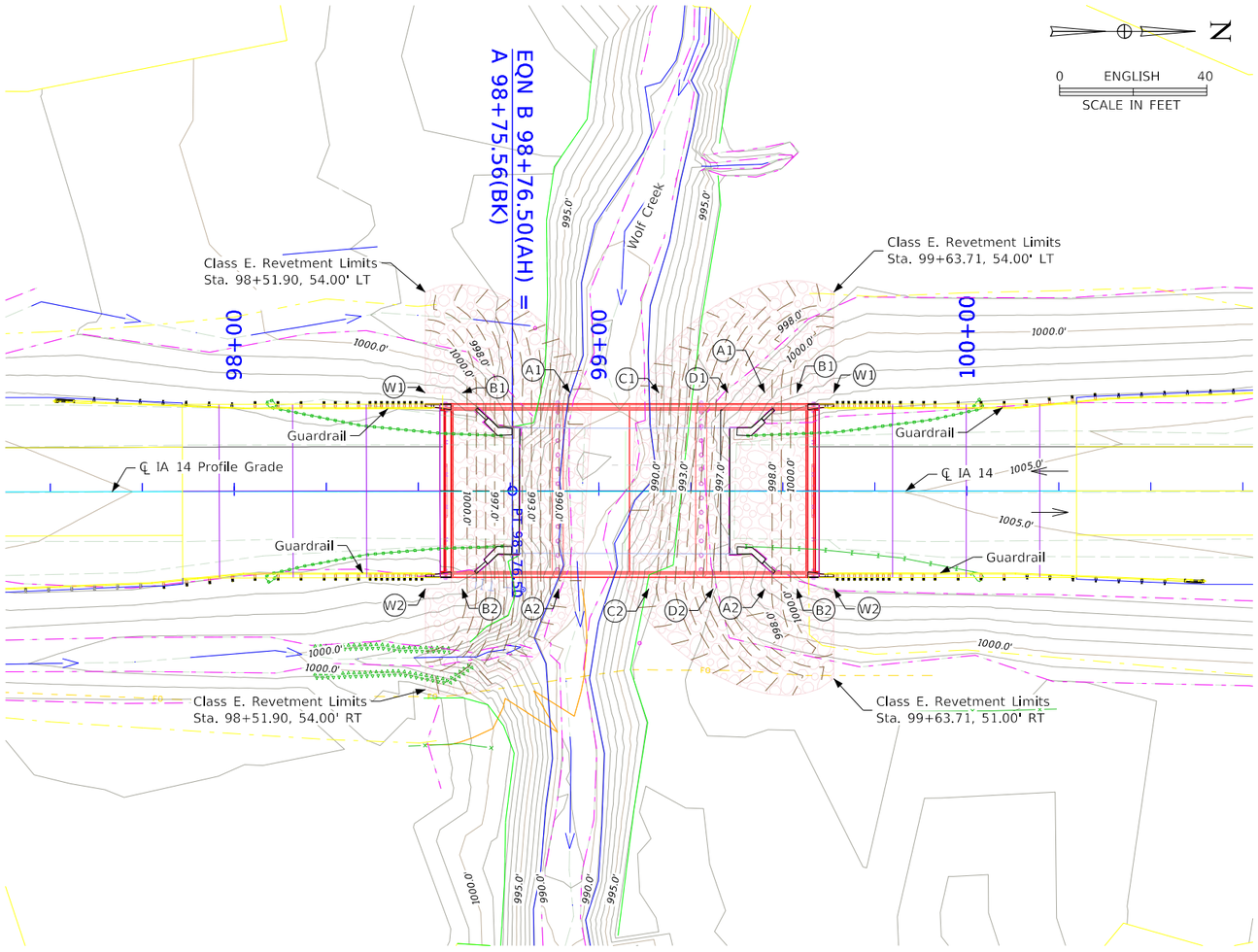
STA. 99+08.34 (IA 14) January 2023

Grundy County
IOWA DEPARTMENT OF TRANSPORTATION

Design No. 0125 Design Sheet No. 1 of 3 FHWA No. 25831

FILE NO. 32262	ENGLISH	DESIGN TEAM Iowa DOT	GRUNDY COUNTY	PROJECT NUMBER BRFN-014-6(44)--39-38	SHEET NUMBER V.1	REVISED

7:41:09 AM 2/17/2023 lsu c:\pw_work\pwmain\idotcentral_lsu\d1420464\ORD_3801644_SHEETS_DOT_0125_25831_Z05.dgn



SITE PLAN

Berm Slope Location Table

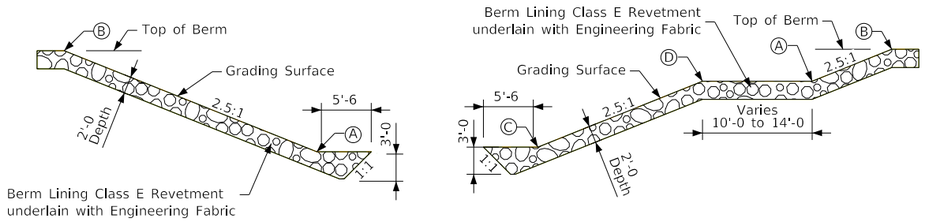
Points	South Abutment			North Abutment		
	Station	Offset	Elev.	Station	Offset	Elev.
A1	98+92.19	26.58' LT	988.80	99+45.09	26.58' LT	997.20
A2	98+89.10	26.58' RT	990.05	99+45.09	26.58' RT	997.20
B1	98.61.90	26.58' LT	1000.55	99+53.84	26.58' LT	1000.70
B2	98+61.90	26.58' RT	1000.55	99+53.84	26.58' RT	1000.70
C1	-	-	-	99+16.34	26.58' LT	989.70
C2	-	-	-	99+13.59	26.58' RT	990.20
D1	-	-	-	99+35.09	26.58' LT	997.70
D2	-	-	-	99+31.09	26.58' RT	997.70
W1	98+51.90	26.58' LT	1004.06	99+63.84	26.58' LT	1004.22
W2	98+51.90	26.58' RT	1004.06	99+63.84	26.58' RT	1004.22

Berm slope elevations reflect the grading surface.

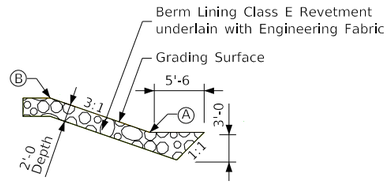
Estimated Berm Armoring Quantities

Location	Revetment CL. E (Ton)	Engineering Fabric (SY)	Cl. 10 Channel Excavation (CY)
Berm Lining - N. Abut.	430.7	477.4	287.2
Berm Lining - S. Abut.	338.1	390.8	225.4
Totals	768.9	868.2	512.6

Excavation quantity calculated from grading surface. Excavation quantity is for embedded revetment core out only, and does not include excavation to the grading surface. Excavation quantity to the grading surface is determined by Road Design and included in the Road Plans.



Section Thru Embedded Revetment Berm



Section Thru Embedded Revetment Normal to Bridge Wing

Design For 0° Skew

100'-0 x 44'-0 CONTINUOUS CONCRETE SLAB BRIDGE

30'-6 End Spans 39'-0 Interior Span

SITE PLAN

STA. 99+08.34 (IA 14) January 2023

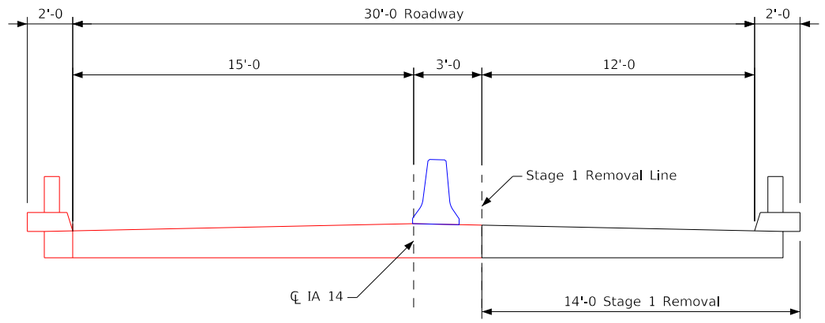
Grundy County

IOWA DEPARTMENT OF TRANSPORTATION

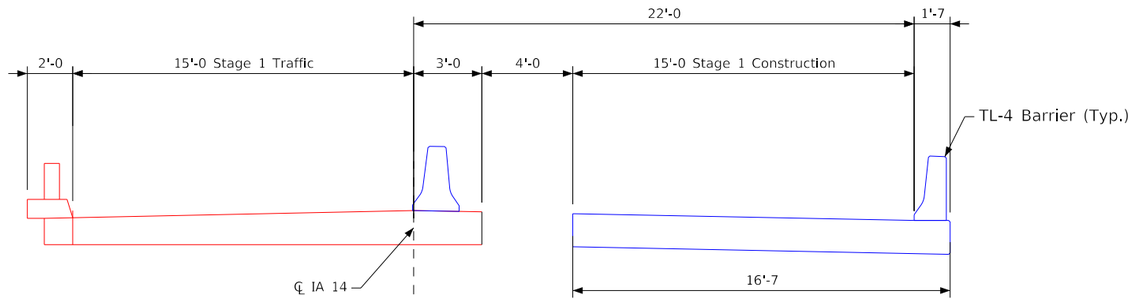
Design No. 0125 Design Sheet No. 2 of 3 FHWA No. 25831

FILE NO. 32262	ENGLISH	DESIGN TEAM Iowa DOT	GRUNDY COUNTY	PROJECT NUMBER BRFN-014-6(44)--39-38	SHEET NUMBER V.2	REVISED

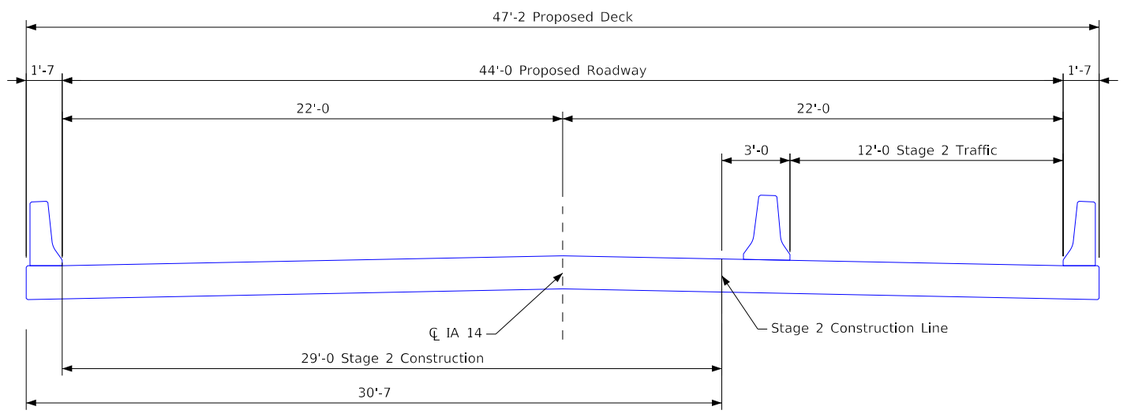
7:42:02 AM 2/17/2023 lsu c:\pw_work\pwmain\idotcentral_lsu\d1420464\ORD_3801644_SHEETS_DOT_0125_25831_Z05.dgn



Stage 1 Removal



Stage 1 Construction



Stage 2 Construction

Design For 0° Skew

100'-0 x 44'-0 CONTINUOUS CONCRETE SLAB BRIDGE

30'-6 End Spans — 39'-0 Interior Span

STAGING PLAN

STA. 99+08.34 (IA 14) — January 2023

Grundy County

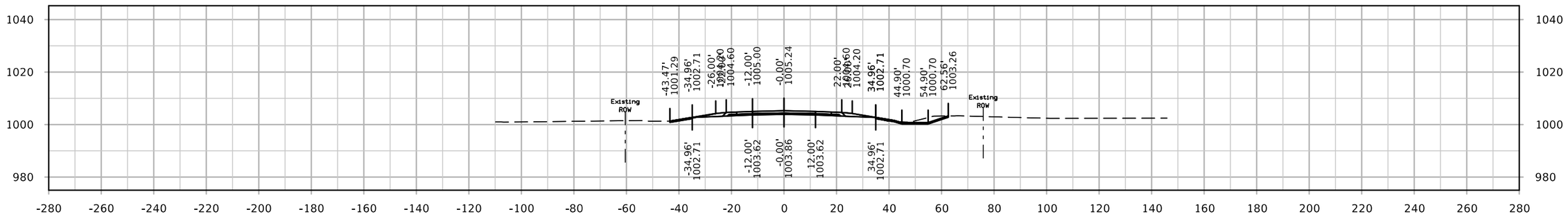
IOWA DEPARTMENT OF TRANSPORTATION

Design No. 0125 — Design Sheet No. 3 of 3 — FHWA No. 25831

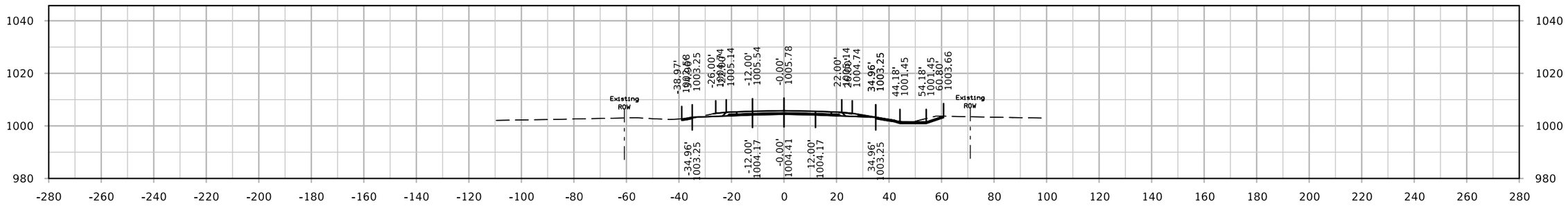
FILE NO. 32262	ENGLISH	DESIGN TEAM Iowa DOT	GRUNDY COUNTY	PROJECT NUMBER BRFN-014-6(44)--39-38	SHEET NUMBER V.3	REVISED

2:20:03 PM 1/19/2023 lsu c:\pw_work\pwmain\idotcentral_lsu\d1420464\ORD_3801644_SHEETS_DOT_0125_25831_Z05.dgn

IA 14



STA. 97+50.00



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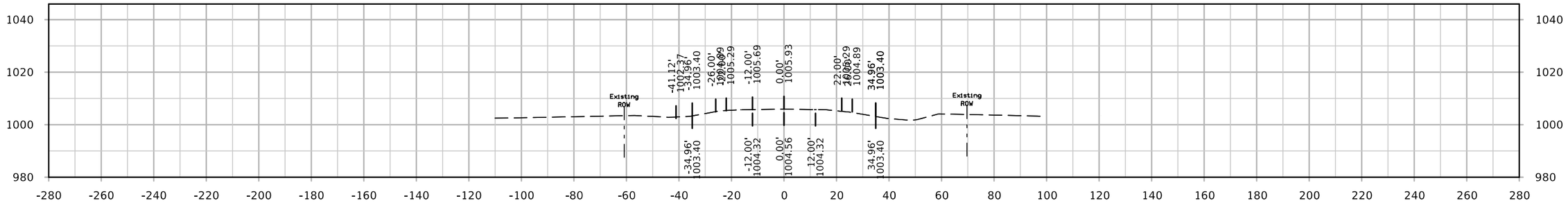

STA. 96+87.65

FILE NO.	ENGLISH	DESIGN TEAM Smyth/Adey/Vais	GRUNDY COUNTY	PROJECT NUMBER BRFN-014-6(44)--39-38	SHEET NUMBER W.1

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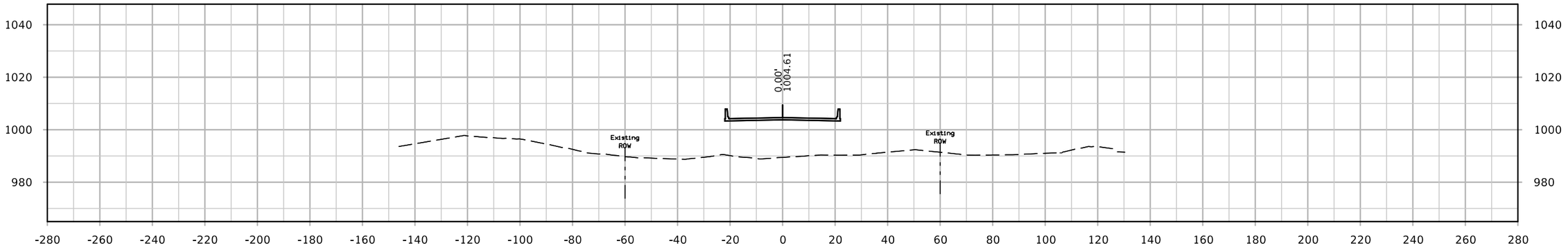
IA 14



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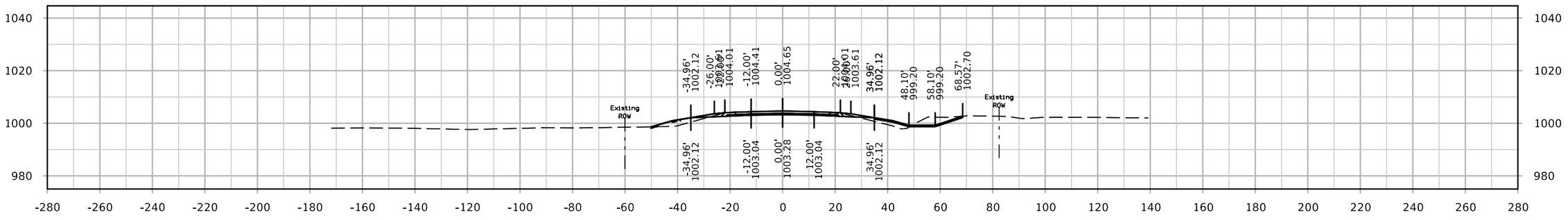

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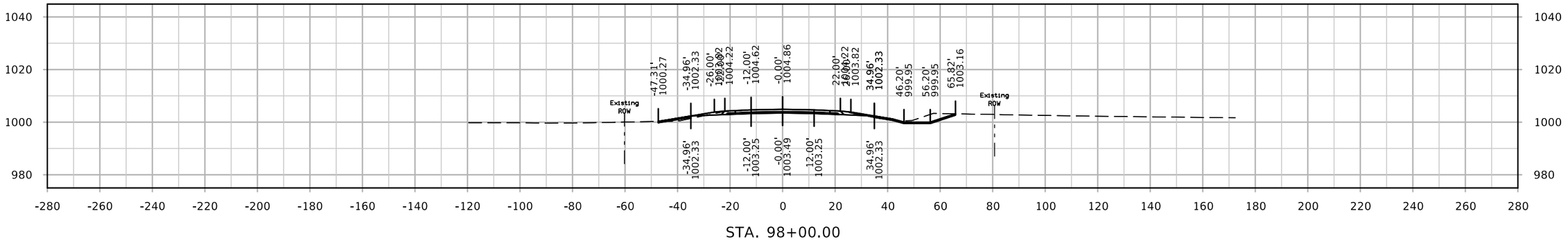

STA. 98+00.00

FILE NO.	ENGLISH	DESIGN TEAM Smyth/Adey/Vais	GRUNDY COUNTY	PROJECT NUMBER BRFN-014-6(44)--39-38	SHEET NUMBER W.2

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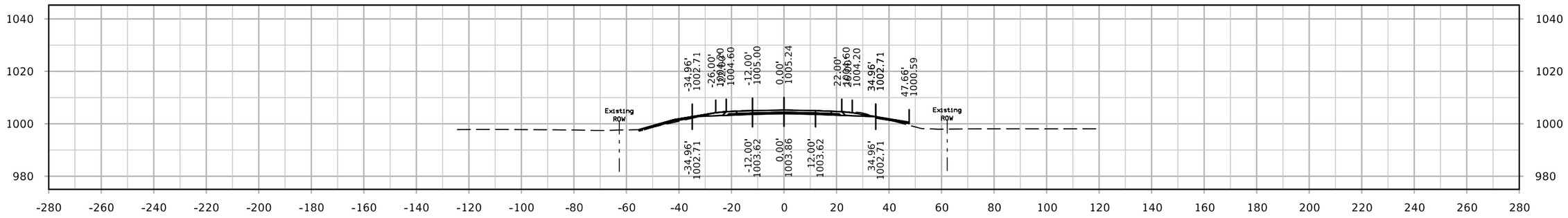
IA 14



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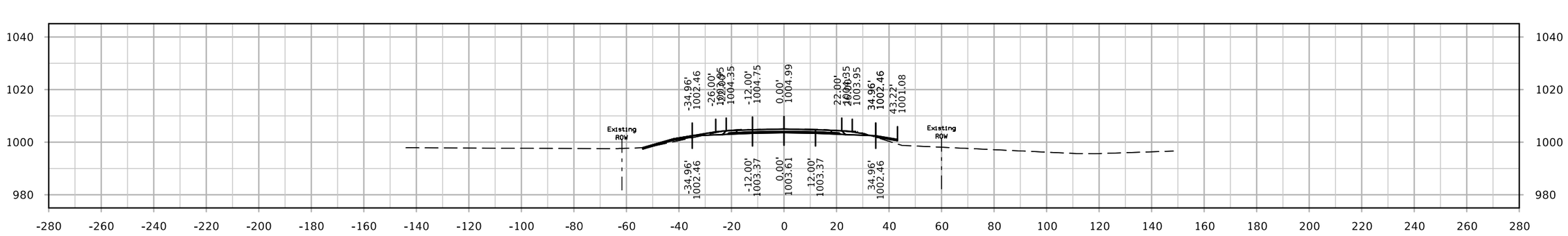

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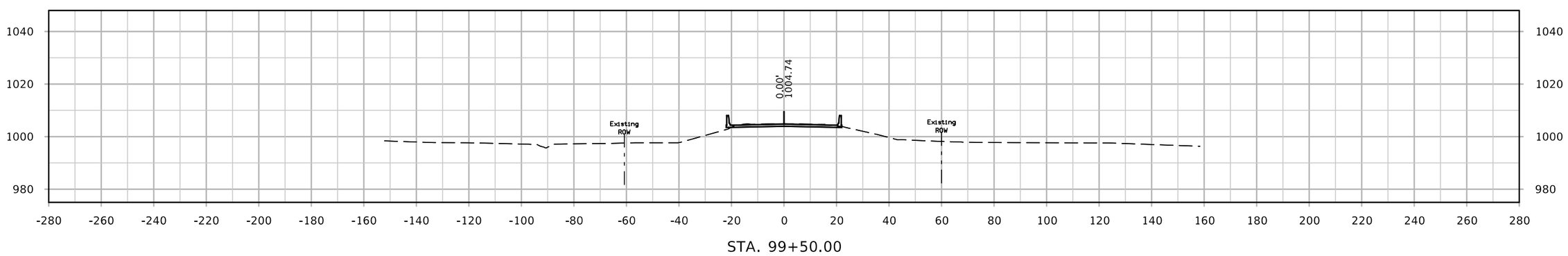

STA. 99+50.00

FILE NO.	ENGLISH	DESIGN TEAM Smyth/Adey/Vais	GRUNDY COUNTY	PROJECT NUMBER BRFN-014-6(44)--39-38	SHEET NUMBER W.3

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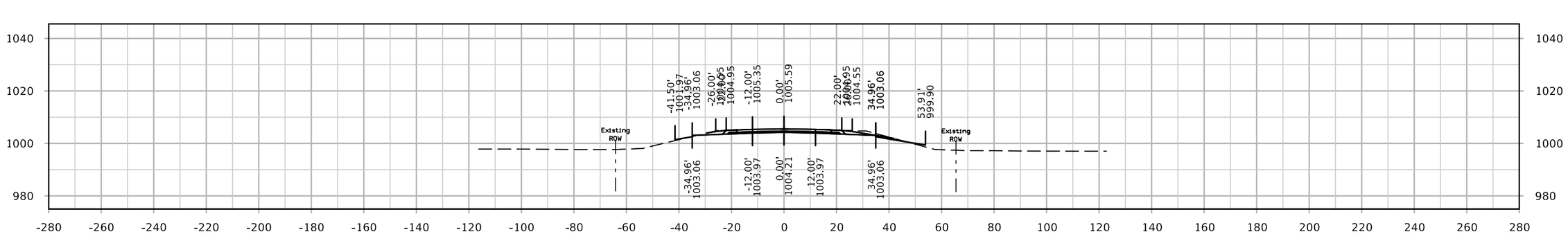

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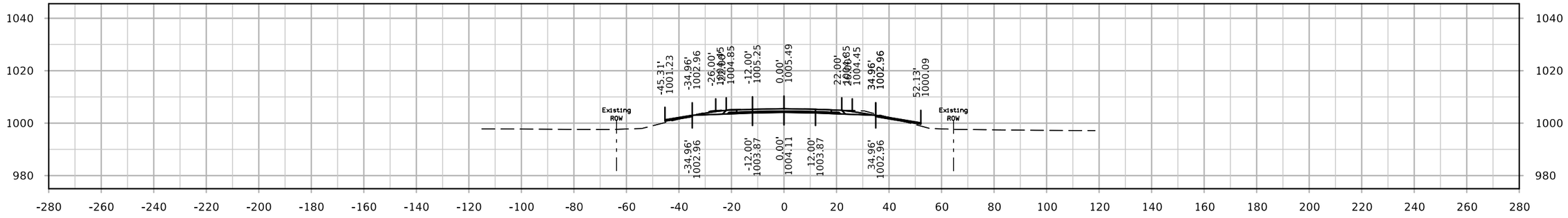

STA. 101+00.00

FILE NO.	ENGLISH	DESIGN TEAM Smyth/Adey/Vais	GRUNDY COUNTY	PROJECT NUMBER BRFN-014-6(44)--39-38	SHEET NUMBER W.4	