LETTING DATE Jan 20 2027

Culvert Extension

IMX-080-1(546)48--02-78

Pottawattamie COUNTY

INDEX OF SHEETS	
No.	DESCRIPTION
A Sheets	**Title Sheets**
A.1	Title Sheet
A.2	Location Map Sheet
B Sheets	**Typical Cross Sections and Details**
B.1 - 2	Typical Cross Sections and Details
D Sheets	**Mainline Plan and Profile Sheets**
D.1	Plan & Profile Legend & Symbol Information Sheet
D.2	ML I-80 Plan and Profile
G Sheets	**Survey Sheets**
G.1	Survey Index
G.2	Control Point Vacinity Map
G.3	Horizontal and Vertical Project Control Coordinates
J Sheets	**Traffic Control and Staging Sheets**
J.1	Traffic Control Plan
V Sheets	**Bridge and Culvert Situation Plans**
V.1	Bridge and Culvert Situation Plans
W Sheets	**Mainline Cross Sections**
W.1	Cross Sections Legend & Symbol Information Sheet
W.2 - 8	Mainline Cross Sections

<-- H Sheets

IOWA DOT

PLANS OF PROPOSED IMPROVEMENT ON THE

INTERSTATE ROAD SYSTEM

Pottawattamie COUNTY

Culvert Extension

Stream 1.6 mi E of Co Rd M47

SCALES: As Noted

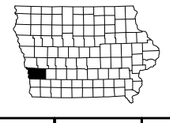
Refer to the Proposal Form for list of applicable specifications.

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.

REVISIONS

TOTAL 19
PROJECT IDENTIFICATION NUMBER
22-78-080-050
PROJECT NUMBER
IMX-080-1(546)48--02-78
R.O.W. PROJECT NUMBER
IMN-080-1(557)48--0E-78



DESIGN DATA RURAL			
2022	AADT	23,600	V.P.D.
20 --	AADT	–	V.P.D.
20 --	DHV	–	V.P.H.
TRUCKS		41	%
Total Design ESALs		–	

INDEX OF SEALS			
SHEET NO.	NAME	TYPE	BID QUANTITY SHEETS
A.1	X	Primary Signature Block	X
X	X	X	X

D4 PLAN - Date: 9-23-26

PRELIMINARY PLANS

Subject to change by final design.

D5 PLAN - Date: 3-Ø7-25

FILE NO. 32387	ENGLISH	DESIGN TEAM Jia / Schrock / Evans	Pottawattamie COUNTY	PROJECT NUMBER IMX-080-1(546)48--02-78	SHEET NUMBER A.1

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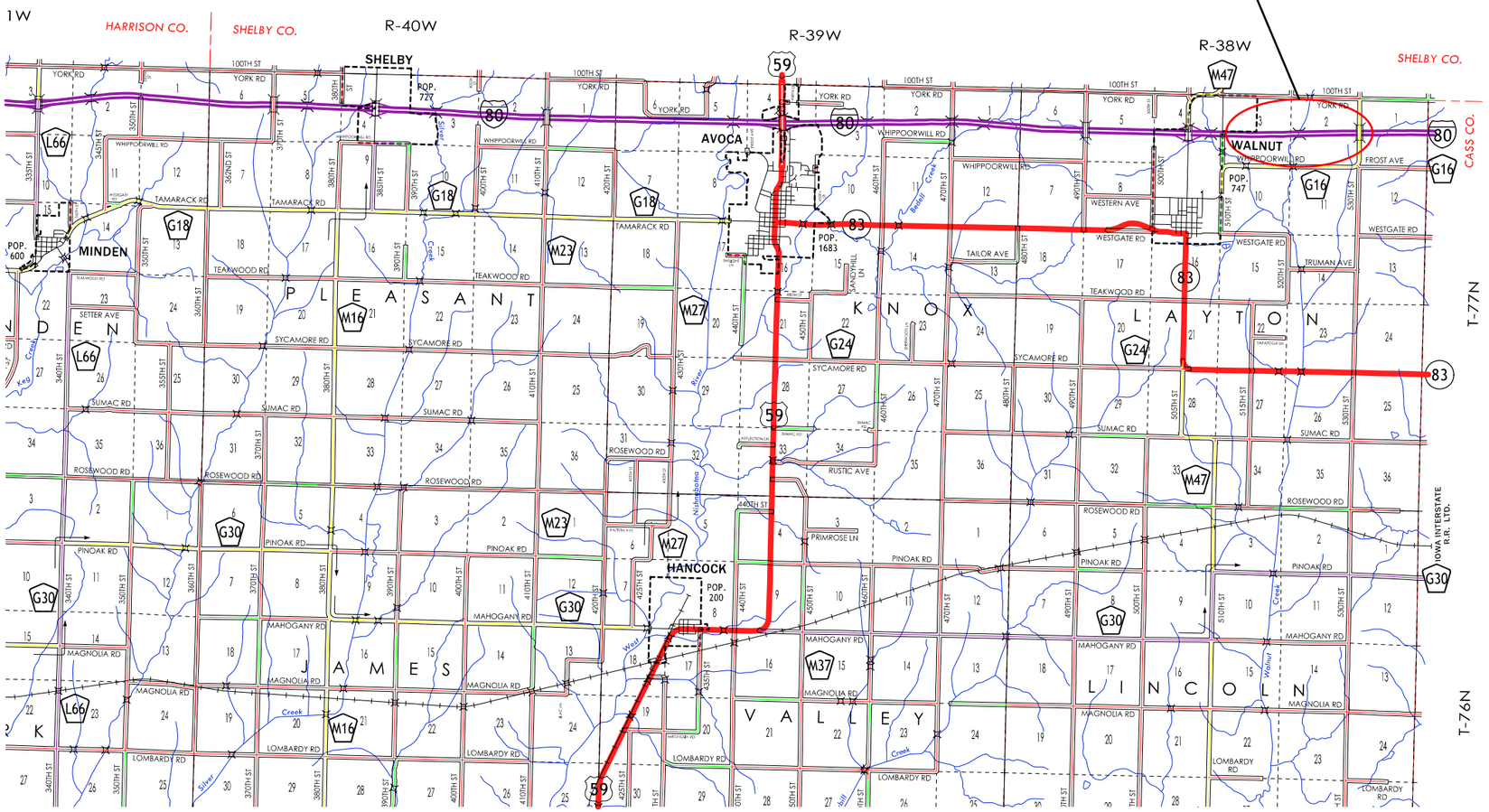
PROJECT LOCATION
STA. 2052+99.20
M.P. 47.83
FHWA No. 45650



7 1 24

LOCATION MAP SCALE
0 1 2 3
Miles

FILE NO. 32387	ENGLISH	DESIGN TEAM Jia / Schrock / Evans	Pottawattamie COUNTY	PROJECT NUMBER IMX-080-1(546)48--02-78	SHEET NUMBER A.2	

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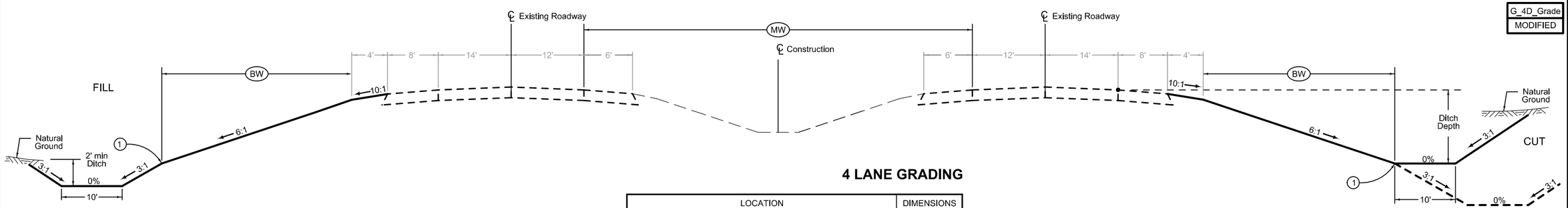
G_4D_Grade
MODIFIED



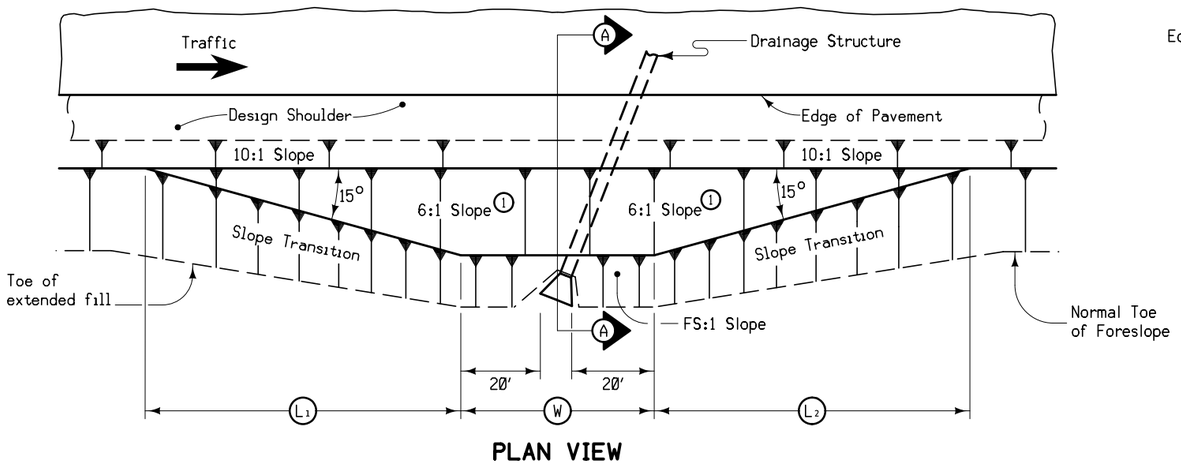
4 LANE GRADING

LOCATION			DIMENSIONS	
ROAD IDENTIFICATION	STATION TO STATION		(BW) Feet	(MW) Feet
I-80	2051+47.30	2054+90.00	20	50

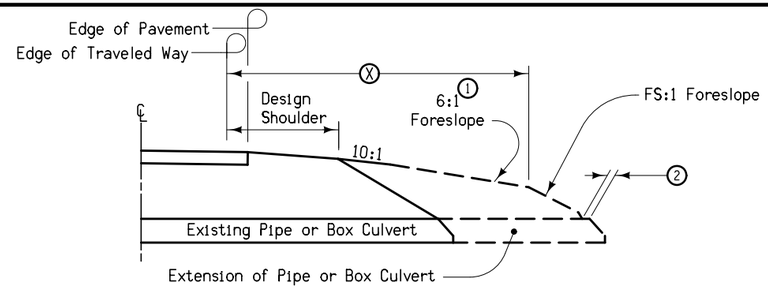
Normal section shown may be modified appropriately in areas of superelevated curves or other locations specifically designated by the Engineer.

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

(1) Refer to project plan and cross sections for specific location of foreslope change.



PLAN VIEW



SECTION A-A

STRUCTURE LOCATION		(W)	(L1)	(L2)	(X)	(FS)
STATION (3)	SIDE	Feet	Feet	Feet	Feet	
2052+99.20	RT	107.7	42.7	42.2	27.9	3:1
2052+99.20	LT	107.9	35.2	34.35	23.7	3:1

4312
MODIFIED

At locations where an extended or newly constructed drainage structure extends beyond the normal foreslope cover, flatten as indicated so as to cover the structure. Minimum earth cover is 6 inches.

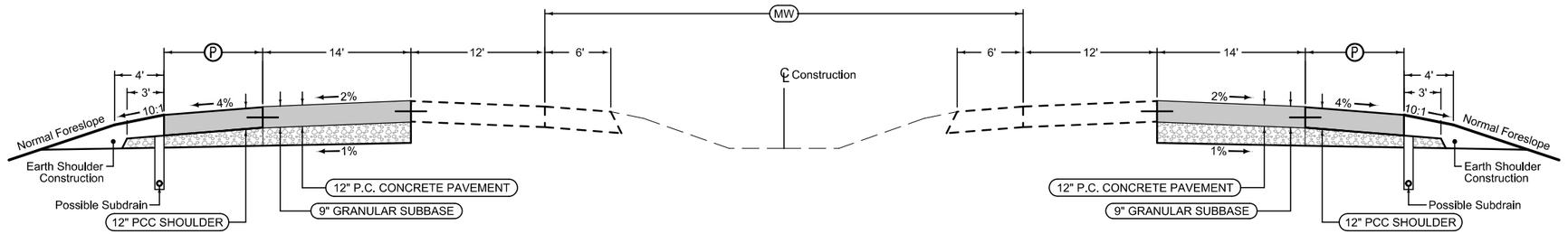
(1) Slope may be flatter than 6:1.

(2) 6 inch minimum for pipe installations or to top of headwall on RCB.

(3) At ℄ of roadway.

(W) = Pipe or RCB opening width plus 20 feet each side.

BARNROOF FORESLOPE AT SKEWED DRAINAGE STRUCTURE



Section shown in the direction of traffic.

Mainline Jointing:
Transverse joints: CD at existing
Longitudinal joint: BT-3

			4DP_ 04-21-20
Direction of Travel	BEGIN STATION	END STATION	(MW) Feet
EB	2052+00	2052+90	50
WB	2053+00	2053+90	50

Full Depth PCC Shoulder

Shoulder Jointing:
Longitudinal joint: BT-2, or L-2
Transverse joints: C at existing

			4_P_FullPCC_ 04-15-25
Direction of Travel	BEGIN STATION	END STATION	(P) Feet
WB	2053+00	2053+90	8

Full Depth PCC Shoulder

Shoulder Jointing:
Longitudinal joint: BT-2, or L-2
Transverse joints: C at existing

			4_P_FullPCC_ 04-15-25
Direction of Travel	BEGIN STATION	END STATION	(P) Feet
EB	2052+00	2052+90	10.5

I-80 Paving

FILE NO. 32387	ENGLISH	DESIGN TEAM Jia / Schrock / Evans	Pottawattamie COUNTY	PROJECT NUMBER IMX-080-1(546)48--02-78	SHEET NUMBER B.2	

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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)
- ST Septic Tank
- C Cistern
- LP L.P. Gas Tank (No Footing)
- UST 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

— E1 —

EL1D, Midamerican Energy
Scott Behrens
(402)-657-1059
scott.behrens@midamerican.com

— F0 —
— F02 —

F0/F02, Iowa Communications Network
David Augspurger
(515)-229-2013
david.augspurger@icn.state.ia.us

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.**		**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%

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 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

PLAN AND PROFILE LEGEND AND SYMBOL INFORMATION SHEET

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

FILE NO. 32387	ENGLISH	DESIGN TEAM Jia / Schrock / Evans	Pottawattamie COUNTY	PROJECT NUMBER IMX-080-1(546)48--02-78	SHEET NUMBER D.1	

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Layton TWP.
T-77N R-38W
SEC. 2

Sta. 2055+49.2, 10.7 Lt.
24"x 59.6' RCP
D.A.=Median Only Plans
(U.A.C)

2046+00 2047+00 2048+00 2049+00 2050+00 2051+00 2052+00 2053+00 2054+00 2055+00 2056+00 2057+00 2058+00 2059+00 2060+00 2061+00

I-80

STA 2050+10.00 (ML 80)
BEGIN PROJECT

STA 2051+47.30 (ML 80)
BEGIN GRADING

STA 2052+00.00 (ML 80)
BEGIN PAVING

STA 2053+90.00 (ML 80)
END PAVING

STA 2054+90.00 (ML 80)
END GRADING

STA 2056+11.00 (ML 80)
END PROJECT

EL

TILE

FO

FO

TE FOR SHAPING

Sta. 2052+99.2
Skew 30° LT AH
Triple 12'x12'x152' RCB W/ 24" Plastic Median Drain
D.A.=850 Sq. Miles A-R to H Plans
Design No. 227
Plans By Others

0 50
FEET

1275 1270 1265 1260 1255 1250 1245 1240 1235 1230

2047+00 2048+00 2049+00 2050+00 2051+00 2052+00 2053+00 2054+00 2055+00 2056+00 2057+00 2058+00 2059+00 2060+00

RT +47
1258.50

-15.62% RDG

RT +06
1249.40

RT +11
1249.40

RT +55
1249.54

RT +60
1249.54

+9.95% RDG

RT +40
1257.52

LT +85
1250.01

+7.89% LDG

LT +90
1250.01

LT +90
1257.90

FILE NO. 32387	ENGLISH	DESIGN TEAM Jia / Schrock / Evans	Pottawattamie COUNTY	PROJECT NUMBER IMX-080-1(546)48--02-78	SHEET NUMBER D.2

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SURVEY INDEX

County: Pottawattamie
PIN: 22-78-080-050
Project Number: IMX-080-1(546)48--02-78
Location: Stream 1.6 mi E of Co Rd M47
Type of Work: Culvert Extension
Project Directory: 7808005022

Survey Personnel

Clayton Henningsen – Survey Party Chief
Jason Arn – Survey Party Chief

Date(s) of Survey

Begin Date	03/14/2024
End Date	03/31/2024

General Information

This survey is for I-80 culvert extension at location 1.6 mi E of Co Rd M47. This survey request was for the I-80 corridor only. This project is a Full Field DTM 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

Coordinates were determined for primary project control points by conducting concurrent six-hour static observations. Post processing is constrained to nearby Iowa Real Time Network reference stations. 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 06 (U.S. SURVEY FOOT)
VERTICAL DATUM: NAVD88
GEOID MODEL: 2018u3

Alignment Information

The horizontal alignment for I80 this survey has been provided by the district 4 survey office.

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 06 (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.

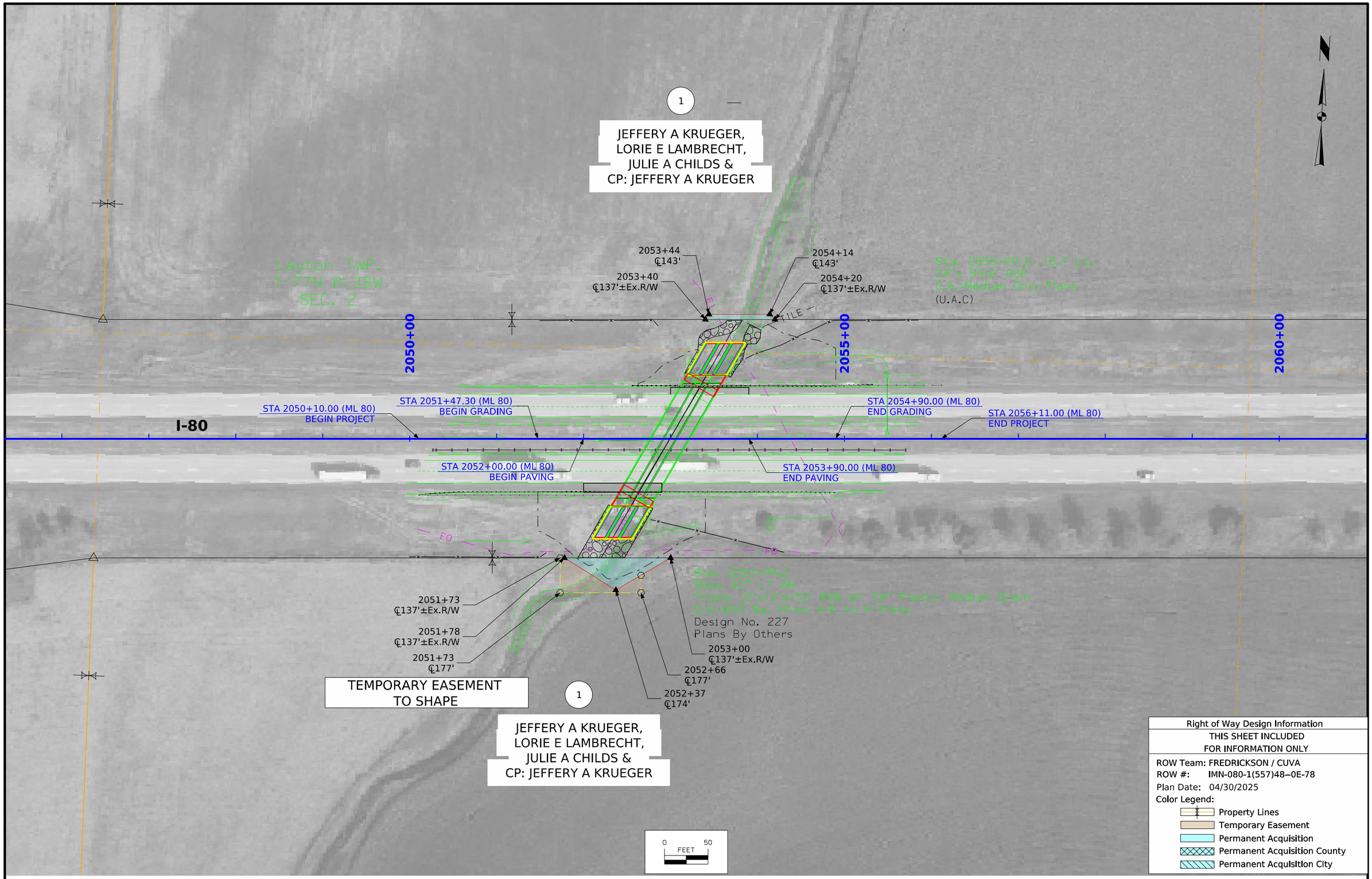
HORIZONTAL AND VERTICAL PROJECT CONTROL COORDINATE LISTING

HORIZ. DATUM: NAD83(2011) for EPOCH 2010.00 (IaRTN 2019 Adjustment)
Ia. Regional Coordinate System Zone 06 (U.S. Survey Foot)
VERT. DATUM: NAVD88
Geoid Model: 2018u3

Point Name	Northing	Easting	Elevation	Feature Definition-Description
78I80048	7055169.09	16649505.15	1266.92	CP SET FENO MONUMENT IN NORTH ROW I-80 APPROX 15 FT NORTH OF MILE MARKER 48 & 60 FT SOUTH OF ROW FENCE
78I800471	7054765.44	16645023.53	1331.60	CP SET FENO MONUMENT IN SOUTH ROW I-80 APPROX 20 FT NORTH OF ROW FENCE & 58 FT SOUTH OF EDGE AC SHOULDER
LAYTON	7055075.42	16652731.41	1343.92	CP NGS MONUMENT AS DESCRIBED IN GOOD CONDITION
Y149	7047265.73	16644620.36	1277.48	CP NGS MONUMENT AS DESCRIBED IN GOOD CONDITION

NO ACCESS RIGHTS ARE TO BE ACQUIRED ON THIS PROJECT.

ACCESS CONTROL PREVIOUSLY ACQUIRED.



FILE NO. 32387	ENGLISH	DESIGN TEAM Jia / Schrock / Evans	Pottawattamie COUNTY	PROJECT NUMBER IMX-080-1(546)48--02-78	SHEET NUMBER H.1	

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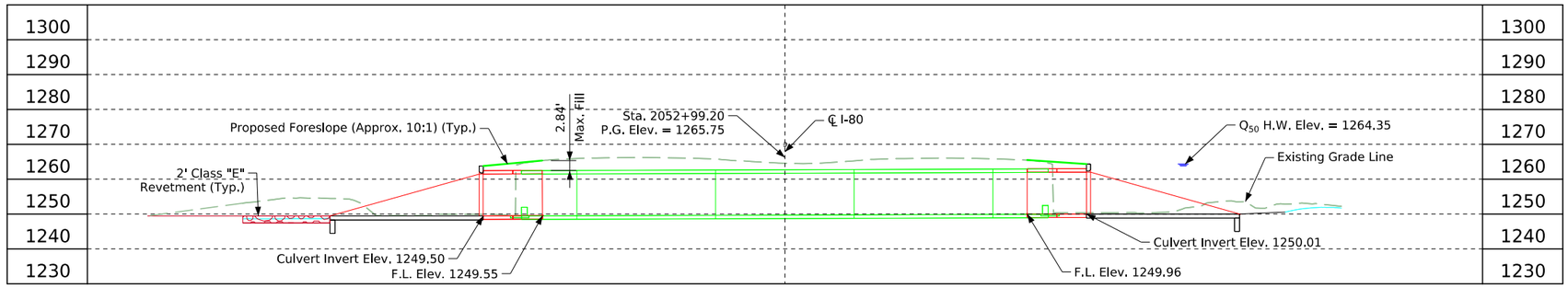
108_23A
8/15/22

TRAFFIC CONTROL PLAN

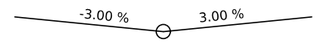
This project is considered a Traffic Critical Project.

Two lanes of traffic in each direction on I-80 will be maintained at all times. Temporary widening to the median will be required.

Control Point: 78I80048 CP SET FENO MONUMENT IN NORTH ROW I-80 APPROX 15 FT NORTH OF MILE MARKER 48 & 60 FT SOUTH OF ROW FENCE, N=7055169.087, E=16649505.145, EL.=1266.918
78I800471 CP SET FENO MONUMENT IN SOUTH ROW I-80 APPROX 20 FT NORTH OF ROW FENCE & 58 FT SOUTH OF EDGE AC SHOULDER, N=7054765.442, E=16645023.525, EL.=1331.599



Longitudinal Section Along ℄ Culvert

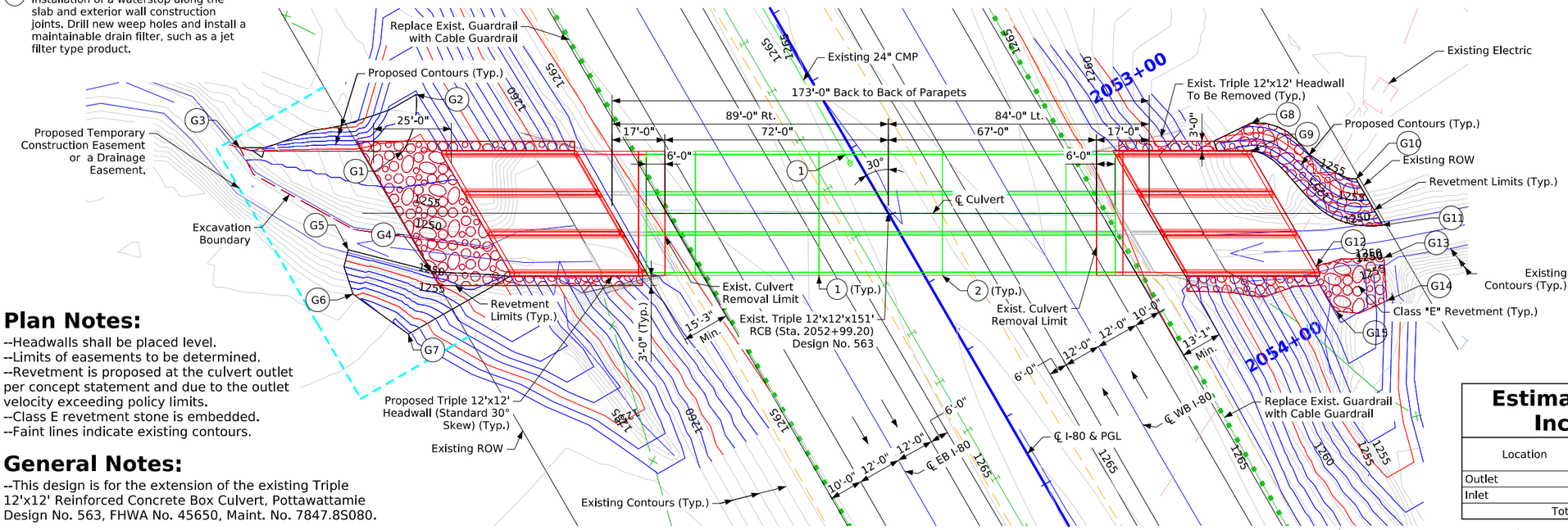


L = 2400'
VPI Sta. = 2055+50
VPI Elev. = 1246.96

Existing Profile Grade On ℄ I-80

1. Perform concrete repairs to deterioration around the CMP culvert inlet and at construction joints.
2. Perform partial depth repair and installation of a waterstop along the slab and exterior wall construction joints. Drill new weep holes and install a maintainable drain filter, such as a jet filter type product.

Design Fill = 3'-0"
Anticipated Settlement = Negligible



Situation Plan

Hydraulic Data

RIDB: Not Applicable
Drainage Area = 8.77 Sq. Mi.
Site Stream Slope = 0.11% (5.8 ft./mi.)

Per USGS Report 2015-5055, Discharges Are From USGS Report 2013-5086 Region 3
Single Variable Regression Equations

Q_{50} (Design) = 3,960 cfs
Headwater (HW) El. = 1264.35
Exit Velocity = 8.9 Ft./s.

Edge of Low Shoulder
El. = 1264.53 (East of Culvert)

Utilities Note:

Utilities shown on this sheet are for information only. See Road Design sheets for utility information. Conflicts with existing utilities and need for potential relocations to be confirmed in Final Design.

General Utility Symbols:

E - Electric Line

Plan Notes:

--Headwalls shall be placed level.
--Limits of easements to be determined.
--Revetment is proposed at the culvert outlet per concept statement and due to the outlet velocity exceeding policy limits.
--Class E revetment stone is embedded.
--Faint lines indicate existing contours.

General Notes:

--This design is for the extension of the existing Triple 12'x12' Reinforced Concrete Box Culvert, Pottawattamie Design No. 563, FHWA No. 45650, Maint. No. 7847.8S080.

Estimated Revetment Quantities Included With Road Plans

Location	Revetment Class "E" (Ton)	Engineering Fabric (SY)	CL. 10 Channel Excavation (CY)
Outlet	168.1	230.2	105.0
Inlet	163.7	232.5	102.3
Totals	331.7	462.5	207.3

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. Quantities shown for information only. See Road Sheets.

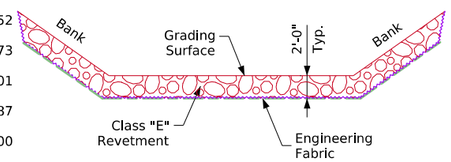
Grading Control/Revetment Layout:

G1	Sta. 2052+04.12, 125.38' Rt., El. 1249.54	G8	Sta. 2053+32.80, 115.53' Lt., El. 1256.53
G2	Sta. 2051+90.41, 112.58' Rt., El. 1251.84	G9	Sta. 2053+40.77, 111.25' Lt., El. 1250.01
G3	Sta. 2051+74.32, 170.39' Rt., El. 1249.5	G10	Sta. 2053+65.35, 136.00' Lt., El. 1257.52
G4	Sta. 2052+42.15, 136.73' Rt., El. 1248.14	G11	Sta. 2053+82.50, 136.00' Lt., El. 1249.73
G5	Sta. 2052+22.82, 156.52' Rt., El. 1248.19	G12	Sta. 2053+83.25, 110.73' Lt., El. 1250.01
G6	Sta. 2052+35.94, 162.34' Rt., El. 1254.92	G13	Sta. 2053+91.84, 131.05' Lt., El. 1249.87
G7	Sta. 2052+55.98, 153.32' Rt., El. 1257.33	G14	Sta. 2054+04.29, 124.90' Lt., El. 1256.00
		G15	Sta. 2053+98.97, 109.05' Lt., El. 1251.09

Traffic Data

2022 AADT 23,600 V.P.D.
TRUCKS 41 %

Scale In Feet: 0 20



Outlet Protection

Location:

I-80 Over Drainage Ditch
T-77N R-38W
Section 2
Layton Township
Pottawattamie County
FHWA No. 45650
Maint. No. 7847.8S080
Latitude: 41.497481
Longitude: -95.190927

Hydraulic Design

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.

Licensed Professional Engineer — Brian J. Birkland 17375 — Iowa

Brian J. Birkland — 1-27-2025
Signature — Date
Brian J. Birkland
Printed or Typed Name
My license renewal date is December 31, 2026
Pages or sheets covered by this seal: V.1

Preliminary

Design For 30 Degree LA

Triple 12'x12' Reinforced Concrete Box Culvert Extension

Situation Plan

STA. 2052+99.20 (I-80)
Turn-in Date: January, 2025

Pottawattamie County
IOWA DEPARTMENT OF TRANSPORTATION

Design No. 227 | Design Sheet No. 001 of 1 | FHWA/Asset 45650

FILE NO. 32387 | ENGLISH | DESIGN TEAM WHKS & Co. | Pottawattamie COUNTY | PROJECT NUMBER IMX-080-1(546)48--02-78 | SHEET NUMBER V.1

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CROSS SECTION VIEW COLOR LEGEND

Design Color No.	Feature
Aggregate	
(64)	Choke Stone
(42)	Engineering Fabric
(8)	Flooded Backfill
(92)	Macadam Stone
(20)	Modified
(12)	Plowing Shaping
(14)	Porous Backfill
(8)	Revetment Class A
(6)	Revetment Class B
(62)	Revetment Class C
(188)	Revetment Class D
(28)	Revetment Class E
(12)	Shoulder Special Backfill
(12)	Special Backfill
(20)	Subbase
(20)	Subbase Lower
(20)	Subbase Upper
(118)	Subgrade Treatment
Asphalt	
(207)	HMA Base Course
(207)	HMA Interim Course
(207)	HMA Surface Course
Bridge	
(0)	Bridge
Concrete	
(0)	Barrier Concrete
(0)	Barrier Concrete Footing
(0)	Curb Gutter
(48)	Flowable Mortar
(0)	Median Concrete
(0)	PCC Pavement
(0)	Sidewalk
Existing	
(0)	Existing Pavement
Shoulder	
(209)	Shoulder HMA
(0)	Shoulder PCC
(6)	Shoulder Granular
Structural	
(112)	Noise Wall
(112)	Noise Wall Footing
(112)	Retaining Wall Back
(112)	Retaining Wall Back Excavate
(112)	Retaining Wall Face
(112)	Retaining Wall Front Excavate
(112)	Retaining Wall Front Footing
(112)	Retaining Wall MSE Gutter
(112)	Retaining Wall Reinforced Earth

Design Color No.	Feature
Grading	
(8)	Behind Curb Cut
(6)	Granular
(13)	Granular Back Fill
(48)	Rock Undercut
(8)	Shoulder Earth Fill
(2)	Side Slopes
(226)	Side Slopes Dressing
Substrata	
(128)	Boulder
(209)	Boulder Removed
(48)	Broken Weathered
(210)	Broken Weathered Removed
(3)	Core Out
(115)	Core Out Remove Only
(195)	Core Out Remove and Replace
(203)	Existing Pavement
(184)	Existing Pavement Remove Only
(200)	Existing Pavement Remove and Replace
(6)	Loam
(211)	Loam Removed
(80)	Rock
(212)	Rock Removed
(4)	Select Sand
(214)	Select Sand Removed
(3)	Shale
(215)	Shale Removed
(10)	Topsoil
(2)	Topsoil Remove Only
(4)	Topsoil Remove and Replace
Unsuitable / Waste	
(3)	Unsuitable Type A
(216)	Unsuitable Type A Removed
(13)	Unsuitable Type B
(217)	Unsuitable Type B Removed
(11)	Unsuitable Type C
(218)	Unsuitable Type C Removed
(3)	Waste
(219)	Waste Removed

NOTES:

Text

NOTES:

Text

CROSS SECTIONS
LEGEND AND INFORMATION SHEET

(COVERS SHEET SERIES W, X, Y, & Z)

FILE NO. 32387	ENGLISH	DESIGN TEAM Jia / Schrock / Evans	Pottawattamie COUNTY	PROJECT NUMBER IMX-080-1(546)48--02-78	SHEET NUMBER W.1

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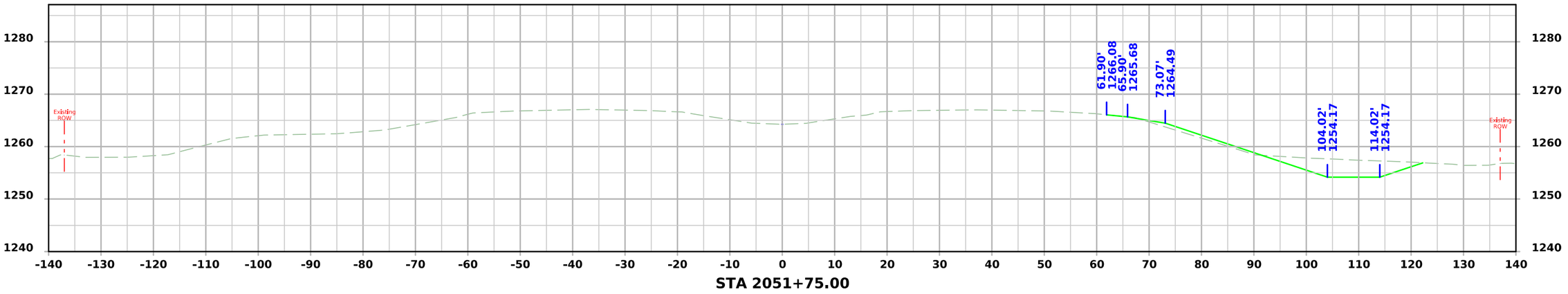
ML - I-80



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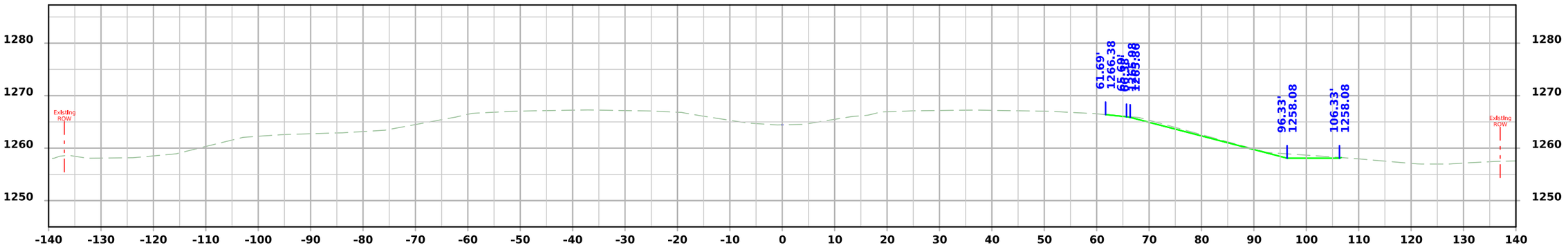

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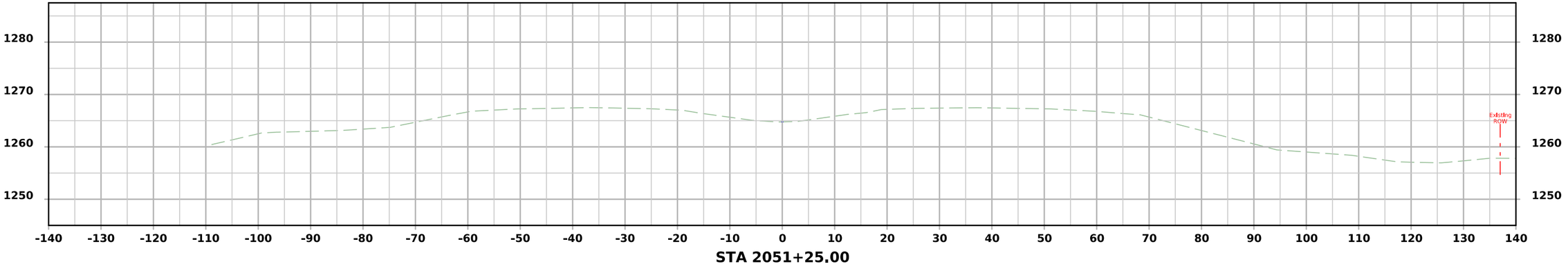

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FILE NO. 32387	ENGLISH	DESIGN TEAM Jia / Schrock / Evans	Pottawattamie COUNTY	PROJECT NUMBER IMX-080-1(546)48--02-78	SHEET NUMBER W.2

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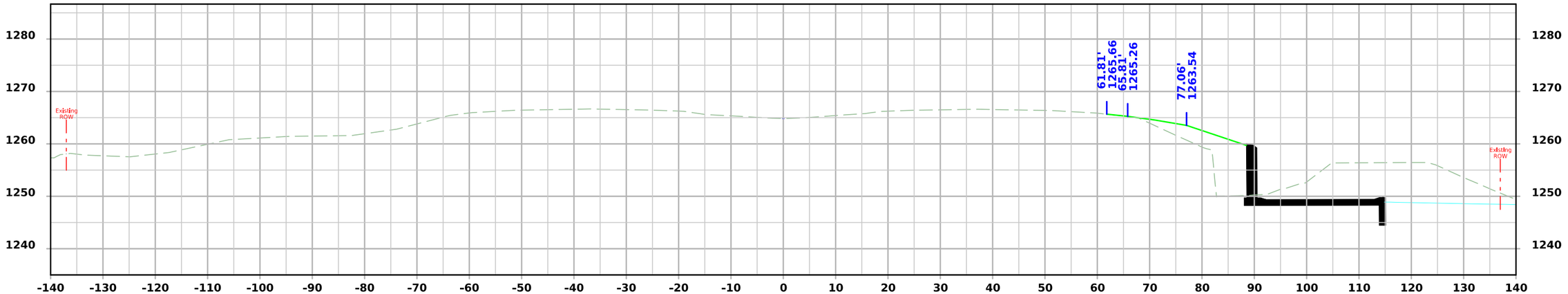
ML - I-80



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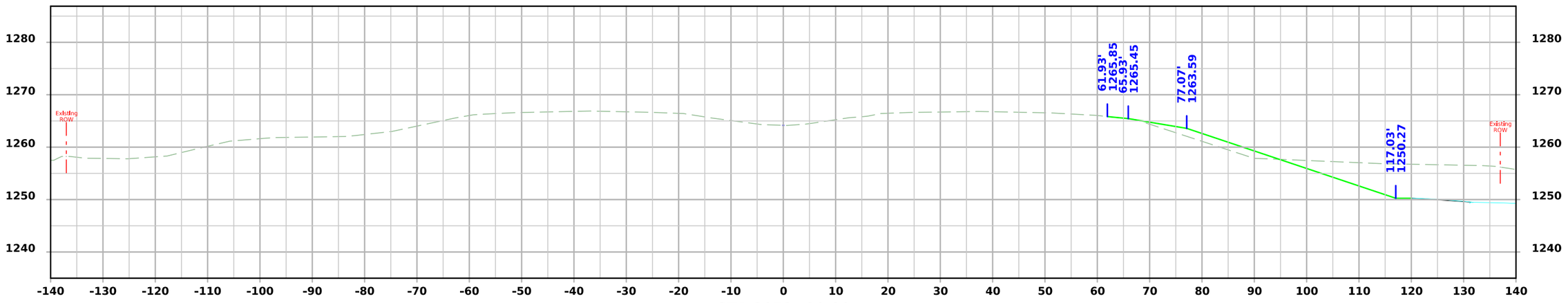

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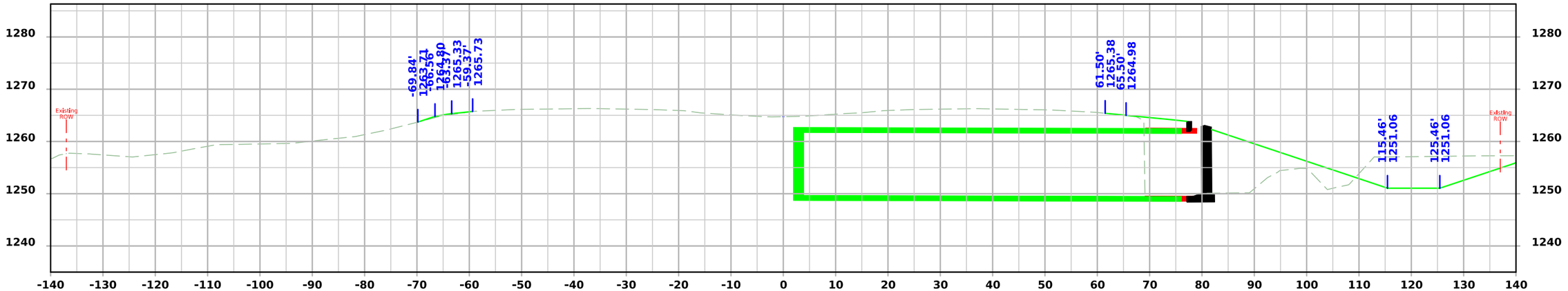
ML - I-80



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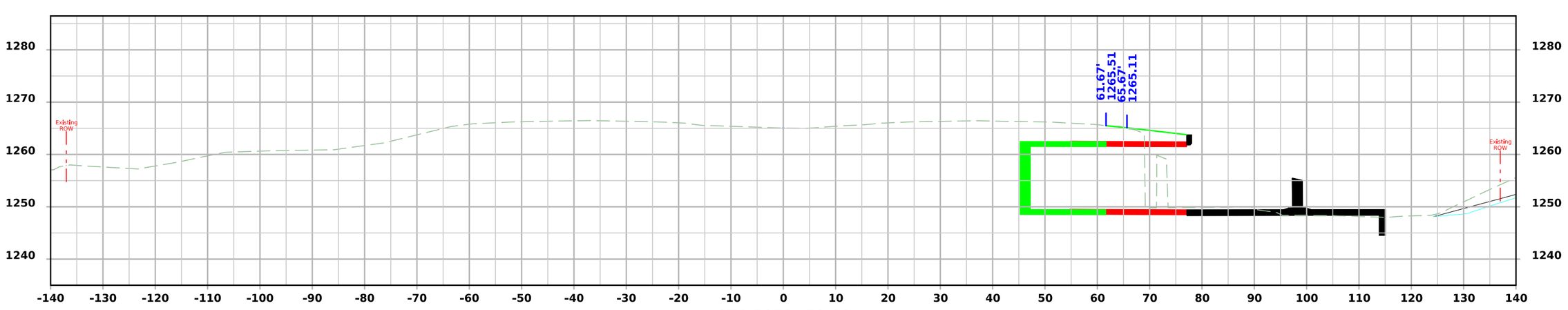

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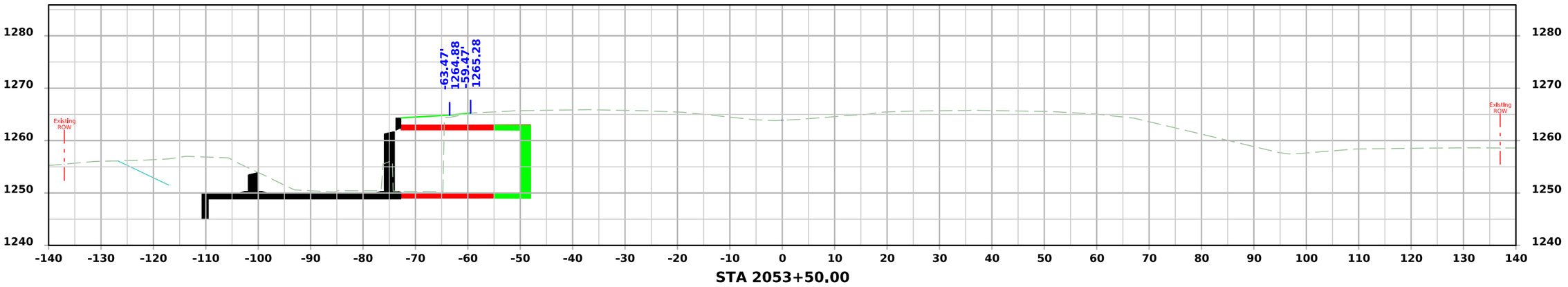
ML - I-80



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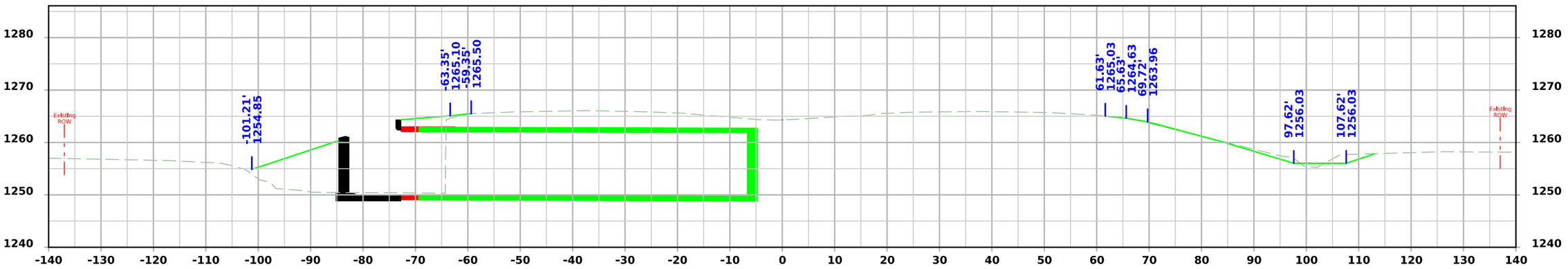

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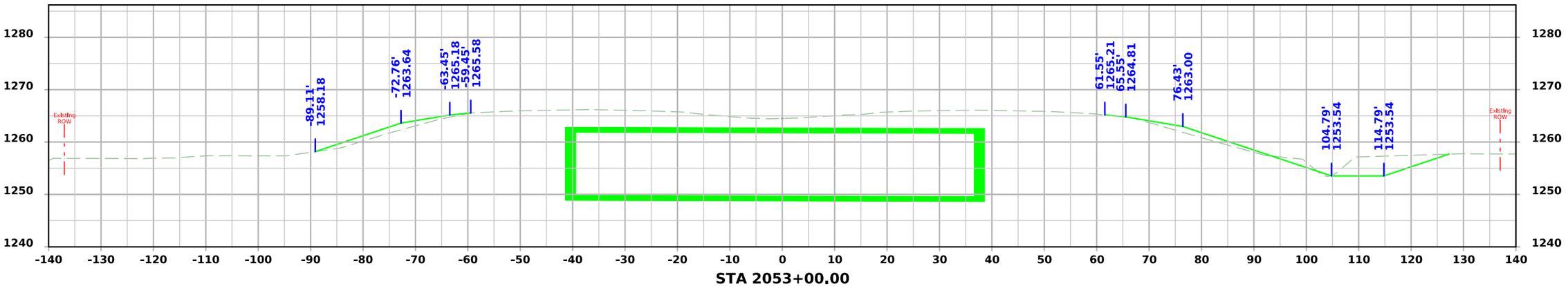

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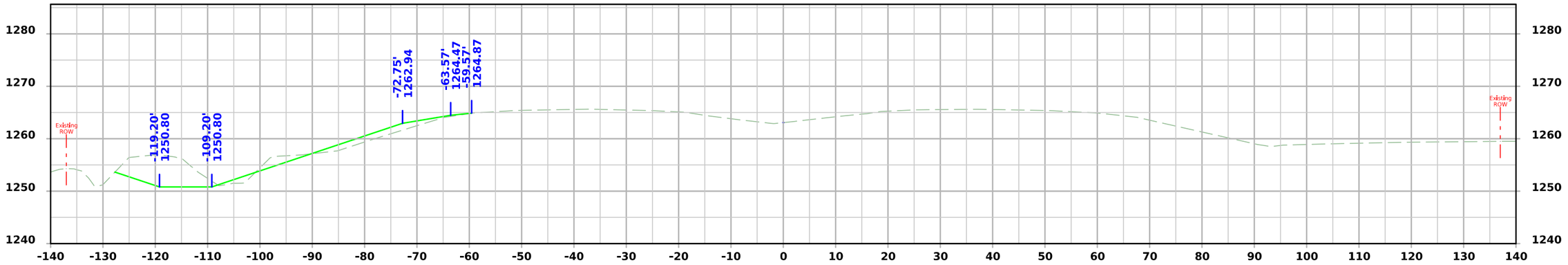
ML - I-80



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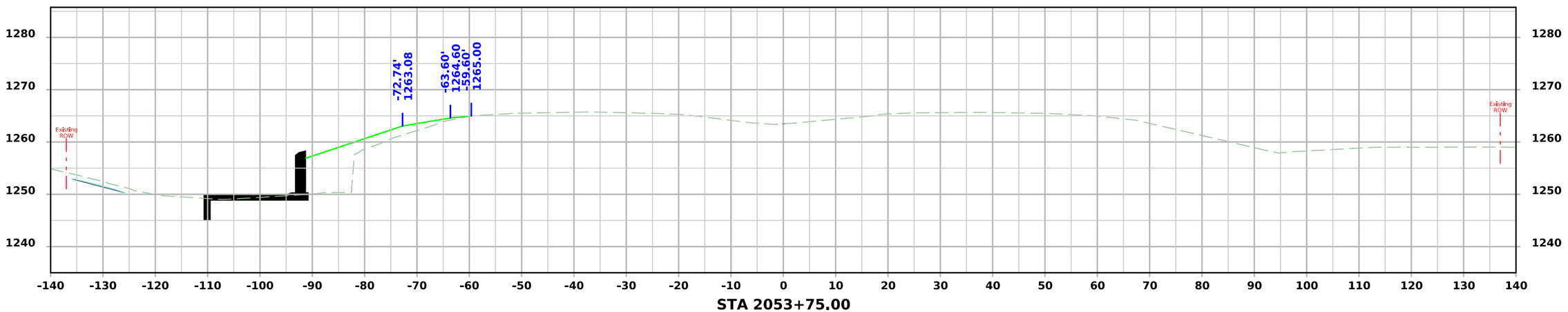

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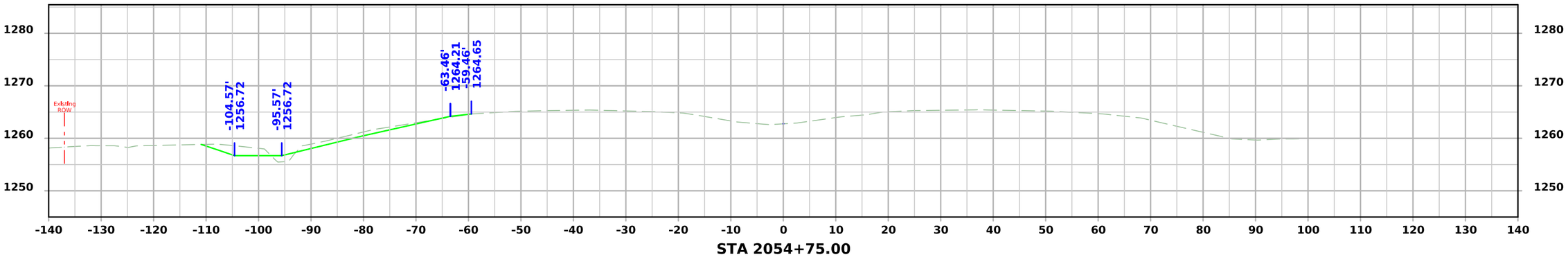
ML - I-80



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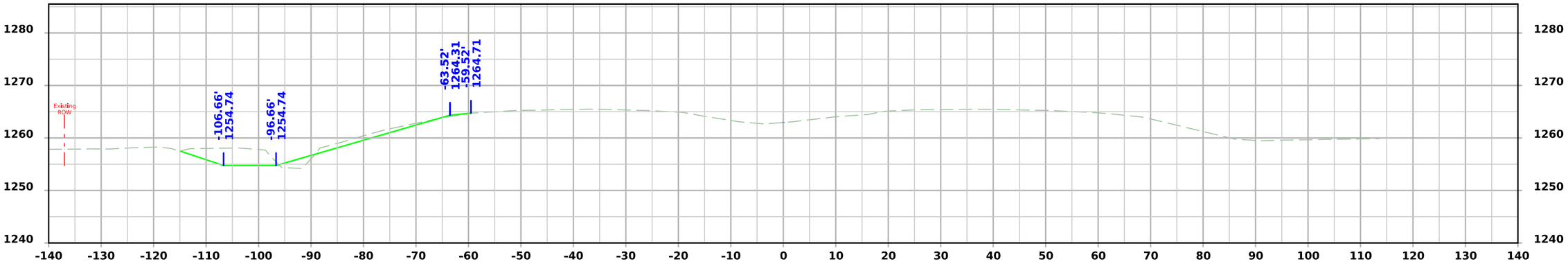

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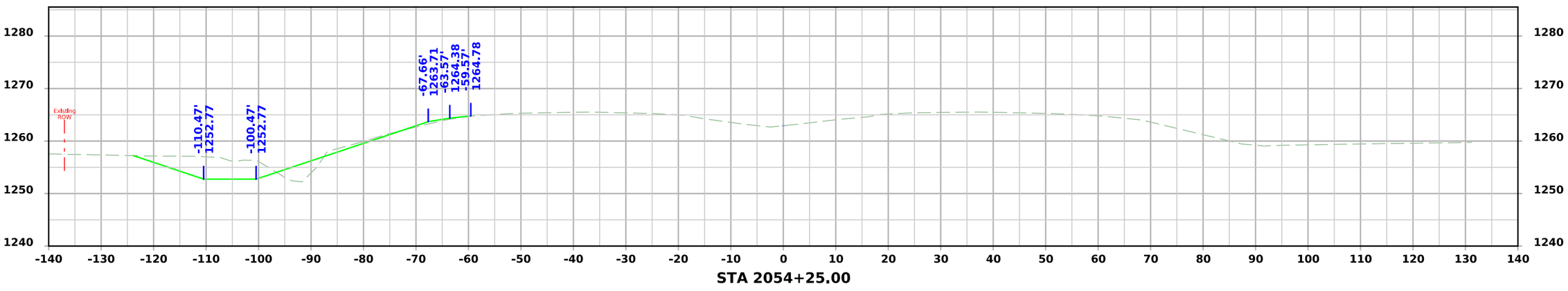

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FILE NO. 32387	ENGLISH	DESIGN TEAM Jia / Schrock / Evans	Pottawattamie COUNTY	PROJECT NUMBER IMX-080-1(546)48--02-78	SHEET NUMBER W.7

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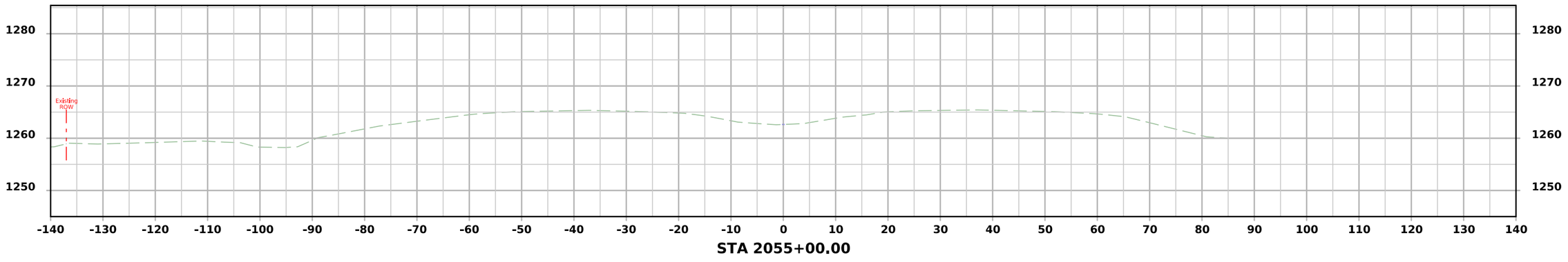
ML - I-80



FILE NO. 32387	ENGLISH	DESIGN TEAM Jia / Schrock / Evans	Pottawattamie COUNTY	PROJECT NUMBER IMX-080-1(546)48--02-78	SHEET NUMBER W.8	

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