LETTING DATE 8-15-17

JOHNSON Co. UNKNOWN PAVEMENT - GRADE AND NEW

NHS-380-6(337)2--11-52

REVISIONS

TOTAL
PROJECT IDENTIFICATION NUMBER
16-52-380-010-01
PROJECT NUMBER
NHS-380-6(337)2--11-52
R.O.W. PROJECT NUMBER
IMN-380-6(324)2--0E-52

IOWA DOT

Highway Division

PLANS OF PROPOSED IMPROVEMENT ON THE

PRIMARY ROAD SYSTEM

JOHNSON COUNTY

UNKNOWN PAVEMENT - GRADE AND NEW

W Forevergreen Rd in North Liberty from E of Kansas Ave to Covered Bridge Blvd

SCALES: As Noted

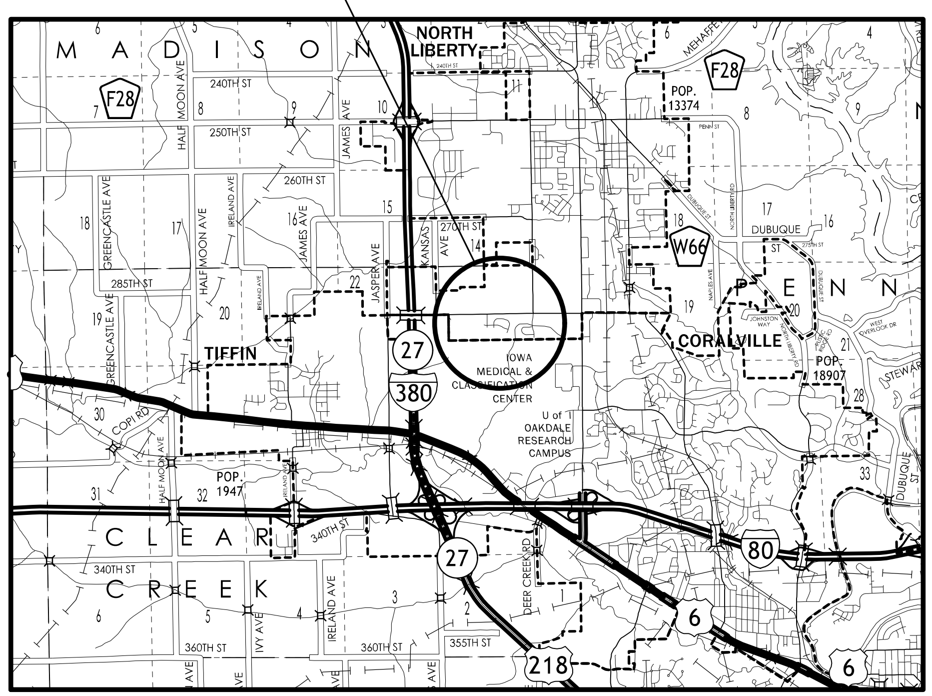
Refer to the Proposal Form for list of applicable specifications.

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.

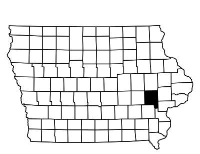
For Project Location Map Refer to Sheet A.2

Project Location



T-80N

R-7W



LOCATION MAP SCALE

0 1 2 3

Miles

MILEAGE SUMMARY 105-1 09-27-94			
Div.	Location	Lin. Ft.	Miles
	Sta. 292+65 to Sta. 313+16.22	2051.22	0.388

Project Dates

R1: 9-2-16

D8: 6-6-17

DESIGN DATA URBAN

2020 AADT	1,600	V.P.D.
2040 AADT	5,500	V.P.D.
2040 DHV	567	V.P.H.
TRUCKS	2	%
Total Design ESALs	--	

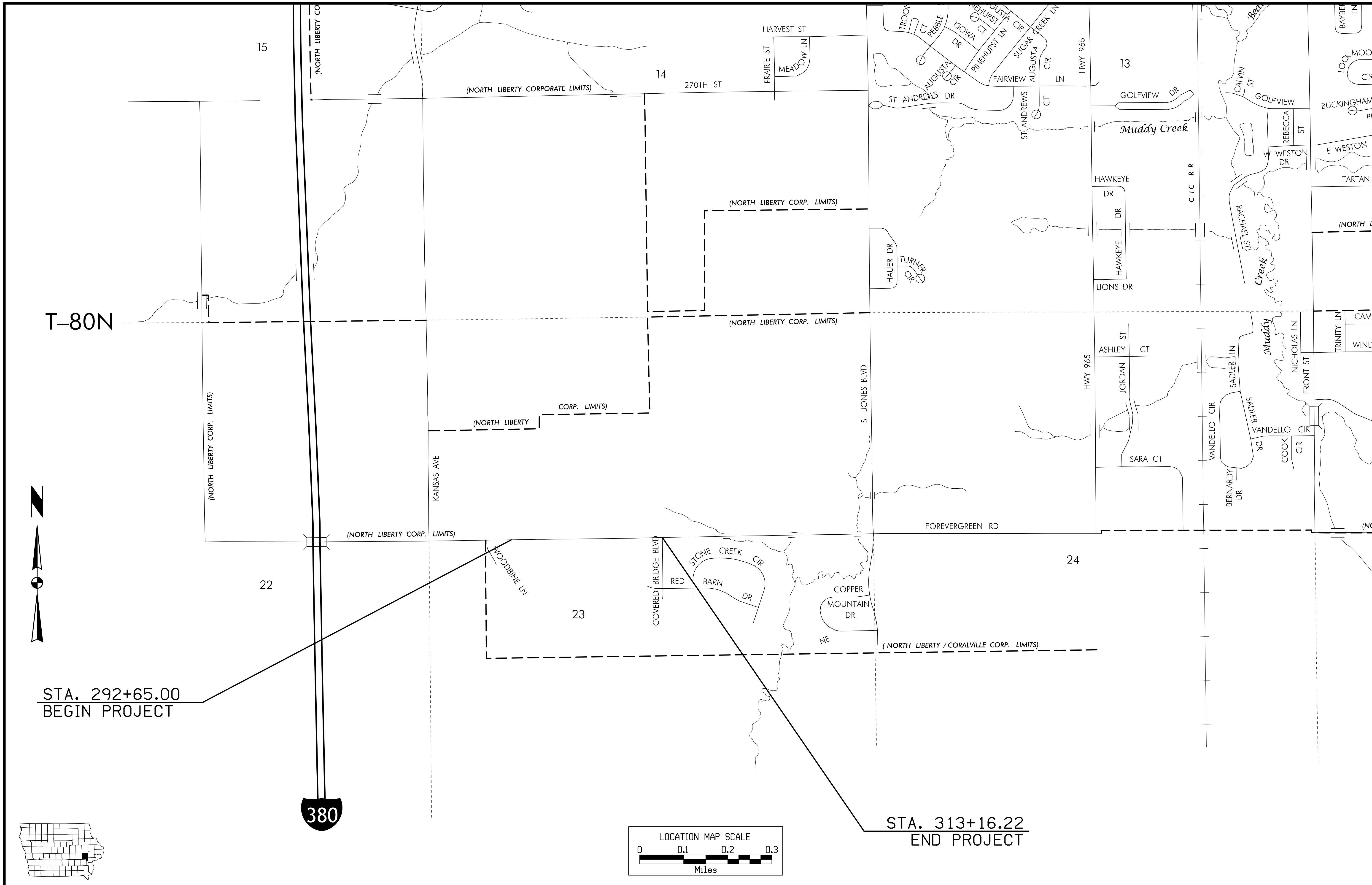
INDEX OF SEALS

SHEET NO.	NAME	TYPE
A.1	Ryan R. Miller	Primary Signature Block
X	X	X

PRELIMINARY PLANS

Subject to change by final design.

D5 PLAN – Date: 7-1-16



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller		JOHNSON COUNTY	PROJECT NUMBER	NHS-380-6(337)2--11-52	SHEET NUMBER	A.2

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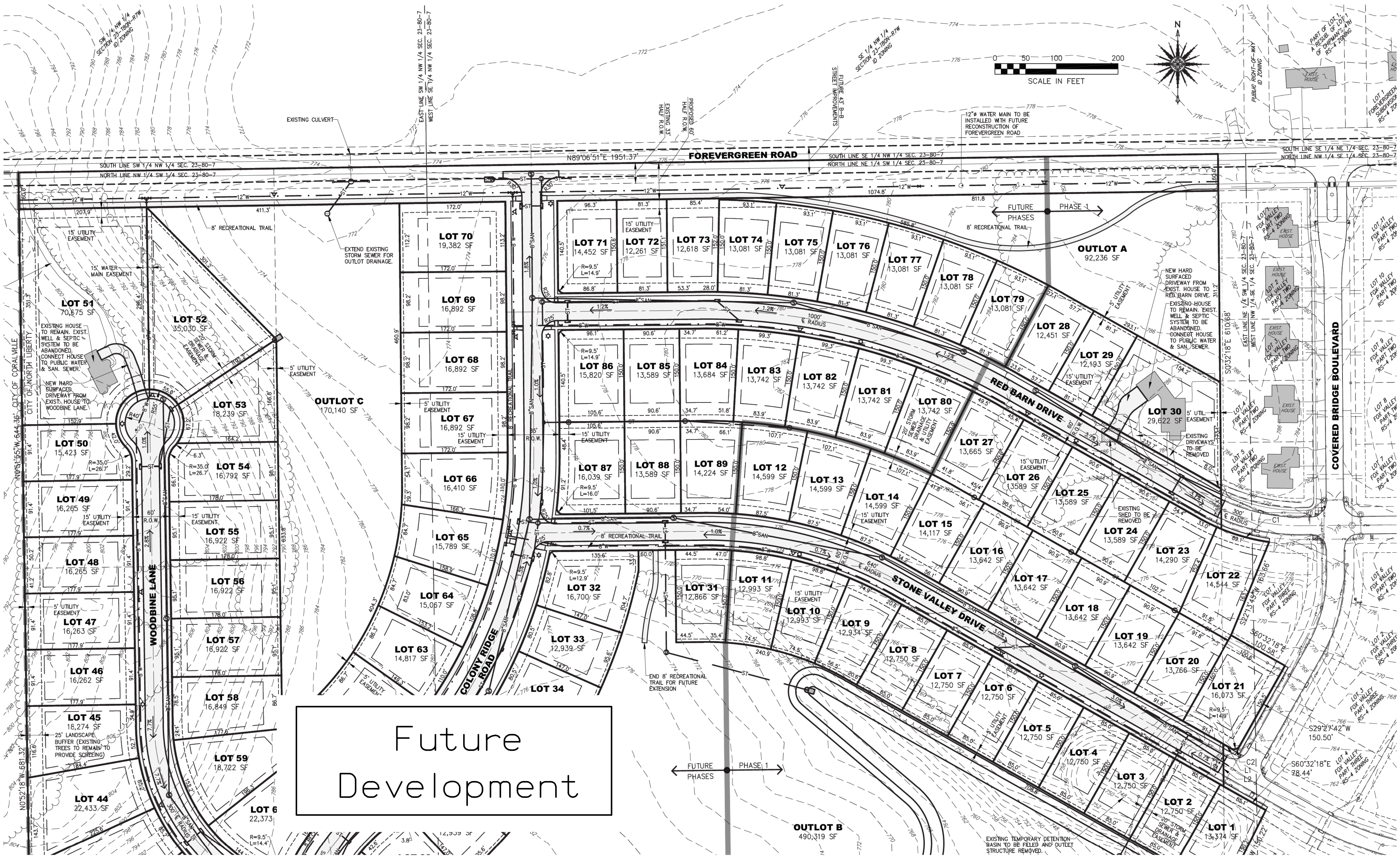
FOX VALLEY PART FOUR PRELIMINA
A REVISED PRELIMINARY PLAT FOR A PORTIO
NORTH LIBERTY, IOWA



FILE NO.	ENGLISH	DESIGN TEAM J1a \ Miller	JOHNSON COUNTY	PROJECT NUMBER NHS-380-6(337)2--11-52	SHEET NUMBER A.3

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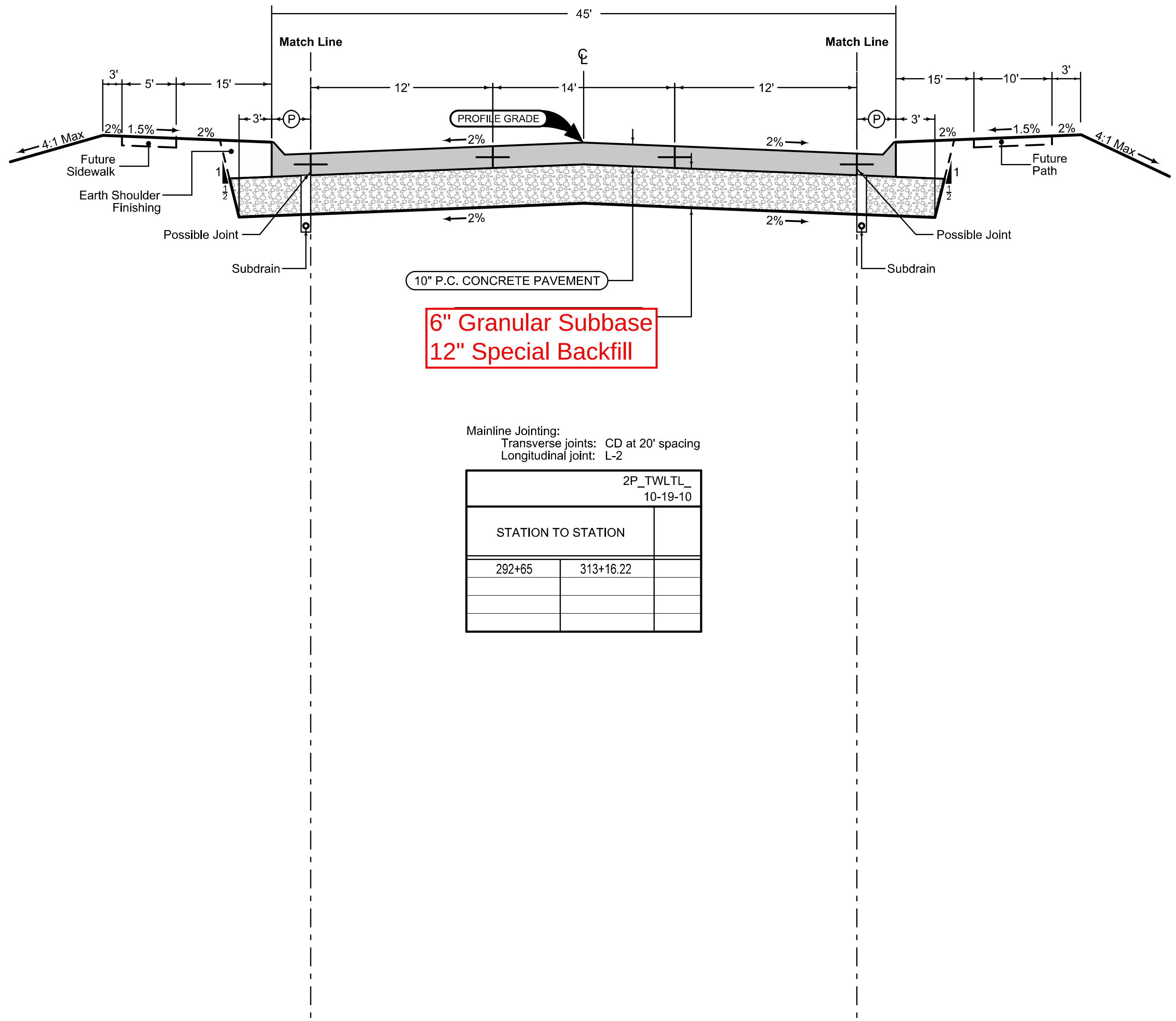
Curbed Shoulder

Shoulder Jointing:
Longitudinal joint not required when distance from back of curb to nearest joint is less than 15':

Single pour: L-2
Staged : KT-2
Transverse:C at 20' spacing

2_Curb_ 04-19-11			
STATION TO STATION		(P) Feet	Curb Type See PV-102
292+65	313+16.22	3.5	6" Std.



Mainline Jointing:
Transverse joints: CD at 20' spacing
Longitudinal joint: L-2

2P_TWLTL_ 10-19-10		
STATION TO STATION		
292+65	313+16.22	

Curbed Shoulder

Shoulder Jointing:
Longitudinal joint not required when distance from back of curb to nearest joint is less than 15':

Single pour: L-2
Staged : KT-2
Transverse:C at 20' spacing

2_Curb_ 04-19-11			
STATION TO STATION		(P) Feet	Curb Type See PV-102
292+65	313+16.22	3.5	6" Std.

See Tab 100-24 or 100-25 for pavement quantities.

See Tab 112-9 for shoulder quantities.

Forevergreen Road

ACCESS POINTS AND SAFETY RAMPS

Refer to Cross-Sections

Length of unclassified pipe calculated is based on using Reinforced Concrete Pipe.
(1) Refer to MI-210
(2) Refer to EW-501.
(3) Refer to EW-501 or EW-502.
*Predetermined for access point not constructed with this project.

Location		Type	Length of Opening (1)				(1) (2)	(2)	Pipe Culvert (3)					Aprons	Driveway Surface Area		Driveway Surfacing Material	Remarks
Station	Side	A, B, C, Safety Ramp, or Predetermined*	Case	1½" Dropped Curb	3" Dropped Curb	W	PR	SR	H	Size	Pipe Length	Lt.	Rt.		HMA	PCC		
			1 or 2	LF	LF	FT	FT	FT	FT	IN	LF	LF	LF	No.	SY	SY	TON	
297+99.2	Lt	Joint C				28.0												
299+67.4	Rt	C				16.0												
307+24	Rt																	CLOSE
311+15	Lt																	CLOSE
312+65	Lt	C				15.0												

SURVEY SYMBOLS

- BIN Grain Bin
- BNK Stream Bank
- D Centerline Draw or Stream (Down)
- DIK Centerline of Dike or Dam
- DU Centerline Draw or Stream (Up)
- EB Electrical Box
- RET Retaining Walls
- GDC Guard Rail Cable
- EW Edge of Water
- FCL Chain Link and Security Fence
- FHD Fire Hydrants
- FLG Flag Poles
- FW Wire Fence
- FWD Wood Fence
- GDL Guard Rail Steel
- GP Guard Post (Less Than 4 Posts)
- IN Storm Sewer Intake
- INB Storm Sewer Beehive Intake
- LP L.P. Tank
- LUM Luminaire
- MH Utility Access (Manhole)
- MM Mile Marker Post
- PPA Power Pole Co. 1
- PPB Power Pole Co. 2
- PR Electric Riser Pole
- RIP Rip-Rap
- S Soil Sampling Site (Wetlands)
- SCR Section Corner
- SEP Septic Tank
- SI Sign
- STP Stump
- SHR Shrub
- HDG Hedge Row
- TDC Tree Deciduous
- TEV Evergeen Tree
- TFR Tree Fruit
- TIL Tile Line
- TLNL Tree Line Left
- TPD Telephone Pedestal
- UST Underground Tank
- WEL Well
- WHD Water Hydrant
- WV Water Valve

UTILITY LEGEND

Central Iowa Power Cooperative
Duke Dusheck
1400 Hwy. 13
Cedar Rapids, IA 52406
duke.dusheck@cipco.net

E1 — Linn County Rural Electric Cooperative
Kim Colberg
5695 REC Drive
Box 69
Marion, IA 52302-0069
319-377-1587
kcolberg@linncountyrec.com

FO — Iowa Communications Network
Larry Klawitter
400 E. 14th Street
Grimes State Office Building
Des Moines, IA 50319
515-725-4741
larry.klawitter@iowa.gov

FO2 / T2 — South Slope Cooperative Communications
Mark Ditch
970 N. Front Street
Box 19
North Liberty, IA 52317
319-626-2211
mark@southslope.com

FO3 — CenturyLink
Steven Parker
2103 E. University Ave. 1st Floor
Des Moines, IA 50317
515-265-0968
Steven.Parker4@CenturyLink.com

G — MidAmerican Energy Company
Jennifer Kinney
602 D Ave. NW
Cedar Rapids, IA 52405-3822
319-298-5156
jskinney@midamerican.com

W / San. / St.S. / St.S.2 — City of North Liberty
Ryan Heiar
3 Quail Creek Circle
North Liberty, IA 52317
319-626-5711
rheiar@northlibertyiowa.org

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.**	
Yellow	(4)	Highlight for Critical Notes or Features
Red	(3)	Delineates Restricted Areas
Lavender	(9)	Temporary Pavement Shading
Gray, Light	(48)	Proposed Pavement Shading
Gray, Med	(80)	Proposed Granular Shading
Gray, Dark	(112)	Proposed Grade and Pave Shading "In conjunction with a paving project"
Brown, Light	(236)	Grading Shading
Tan	(8)	Proposed Sidewalk Shading
Blue, Light	(230)	Proposed Sidewalk Landing Shading
Pink	(11)	Proposed Sidewalk Ramp 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
Station
- Survey Line
- Section Corner
- Ground Line Intercept
- Saw Cut
- Guardrail
- Trench Drain
- HighTension Cable Guardrail
- Sheet Pile
- Pavement Removal
- Clearing & Grubbing Area

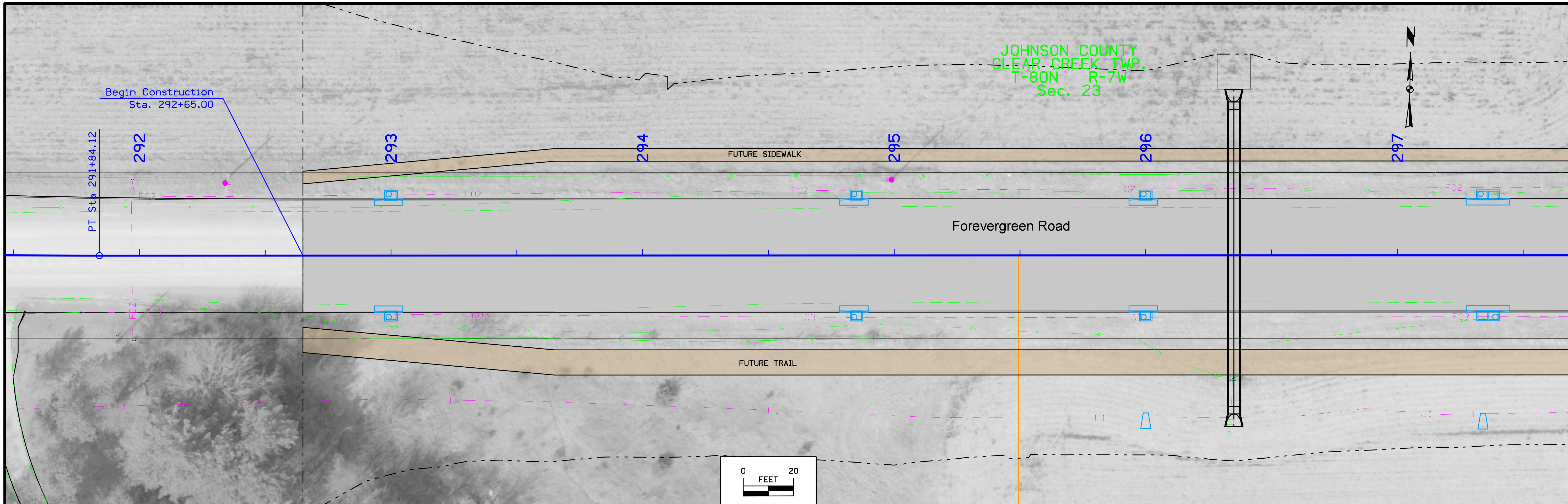
RIGHT-OF-WAY LEGEND

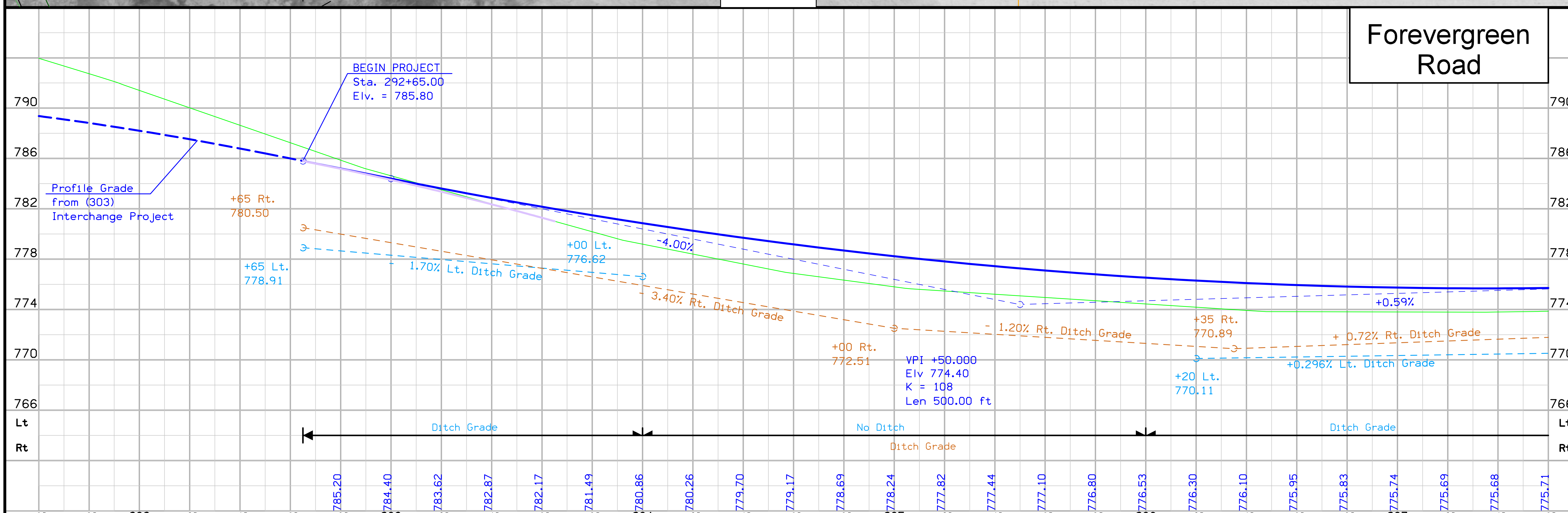
- Proposed Right-of-Way
- Existing Right of Way
- Existing and Proposed Right-of-Way
- Easement and Existing Right-of-Way
- Easement (Temporary)
- Easement
- C/A Access Control
- Property Line

PLAN AND PROFILE LEGEND AND SYMBOL INFORMATION SHEET

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

FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller	JOHNSON COUNTY	PROJECT NUMBER NHS-380-6(337)2--11-52	SHEET NUMBER D.1





FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller	JOHNSON COUNTY	PROJECT NUMBER NHS-380-6(337)2--11-52	SHEET NUMBER D.2

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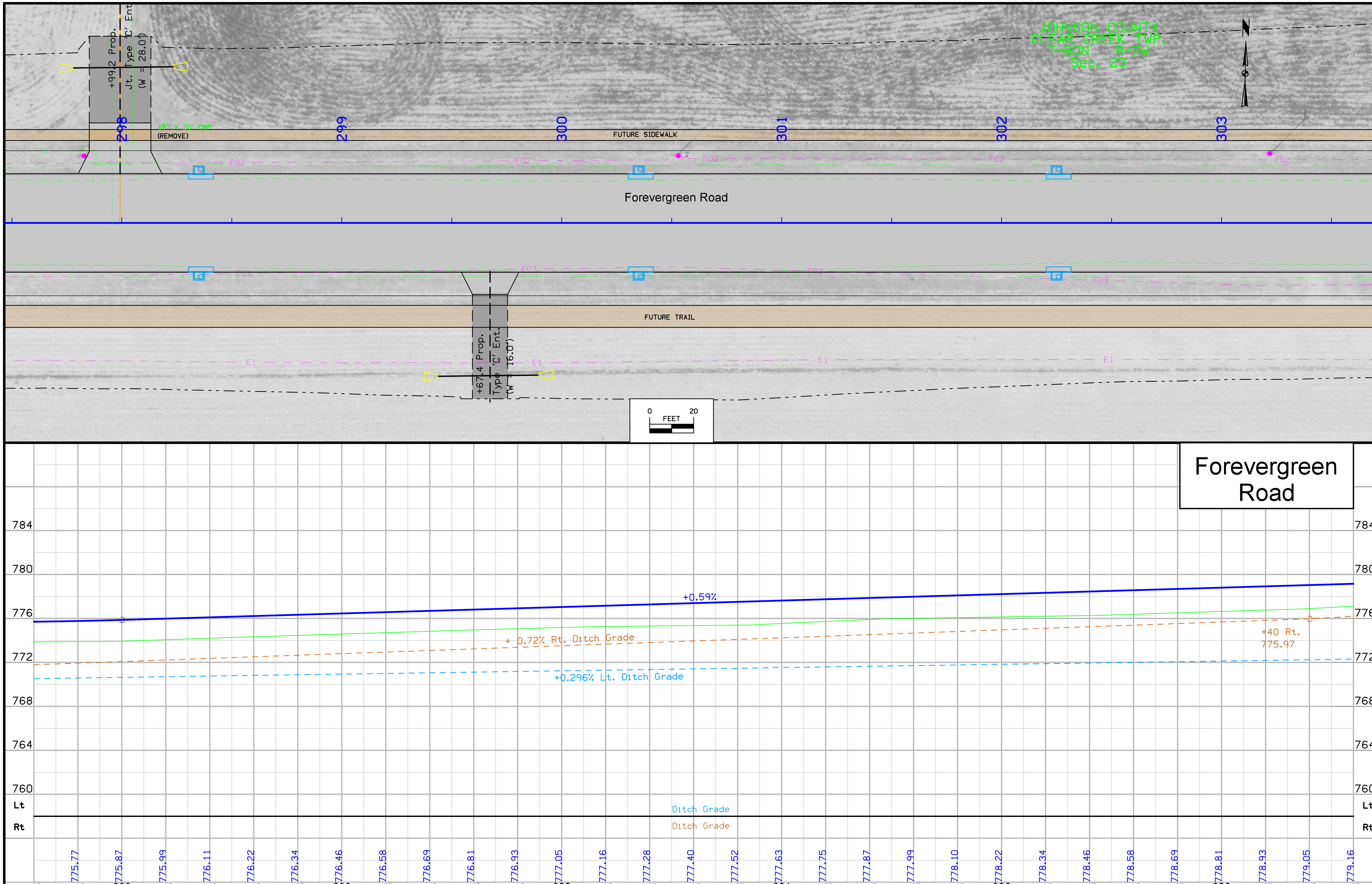

FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller		JOHNSON COUNTY	PROJECT NUMBER NHS-380-6(337)2--11-52	SHEET NUMBER D.3

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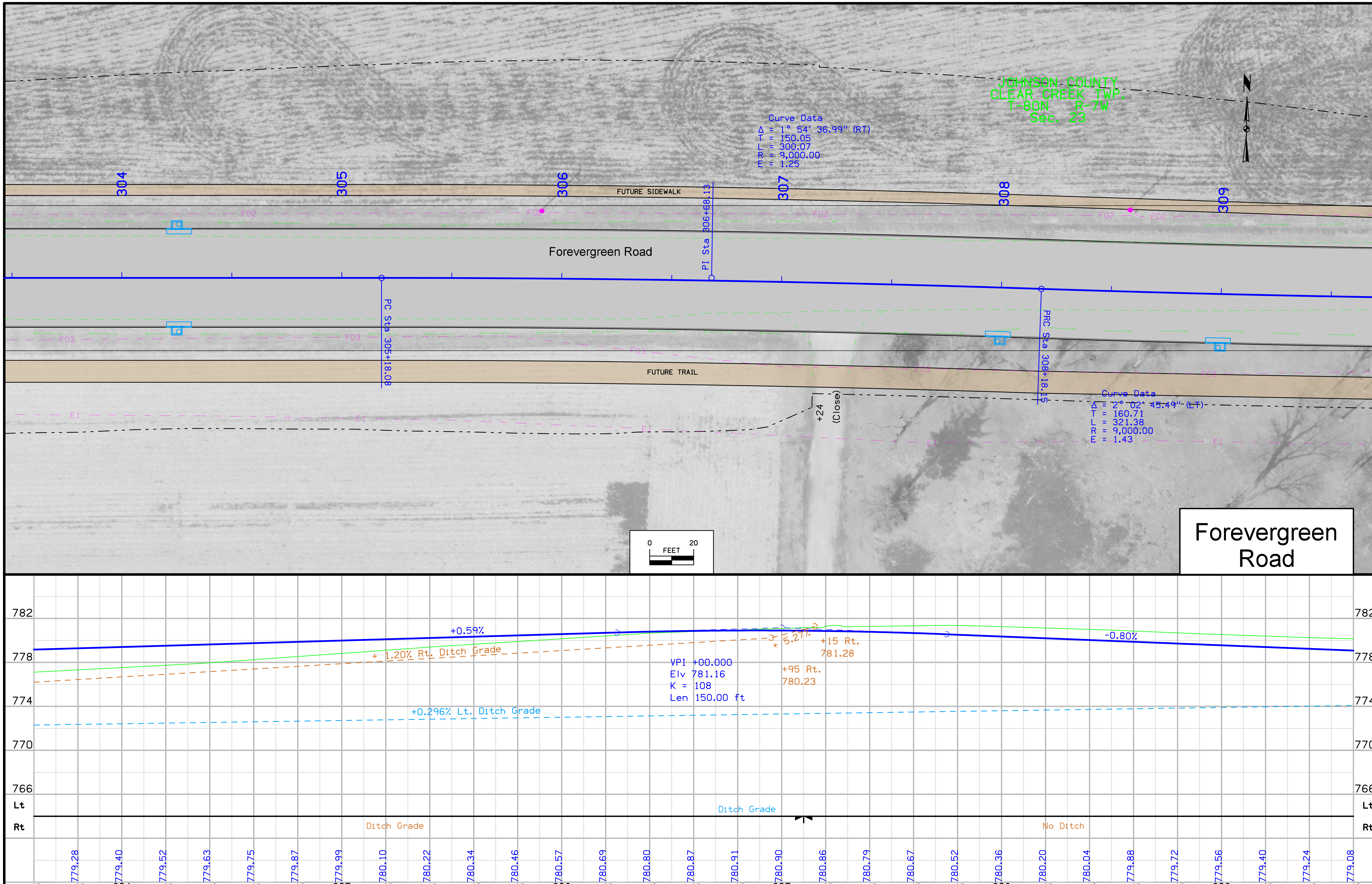

FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller	JOHNSON COUNTY	PROJECT NUMBER NHS-380-6(337)2--11-52	SHEET NUMBER D.4

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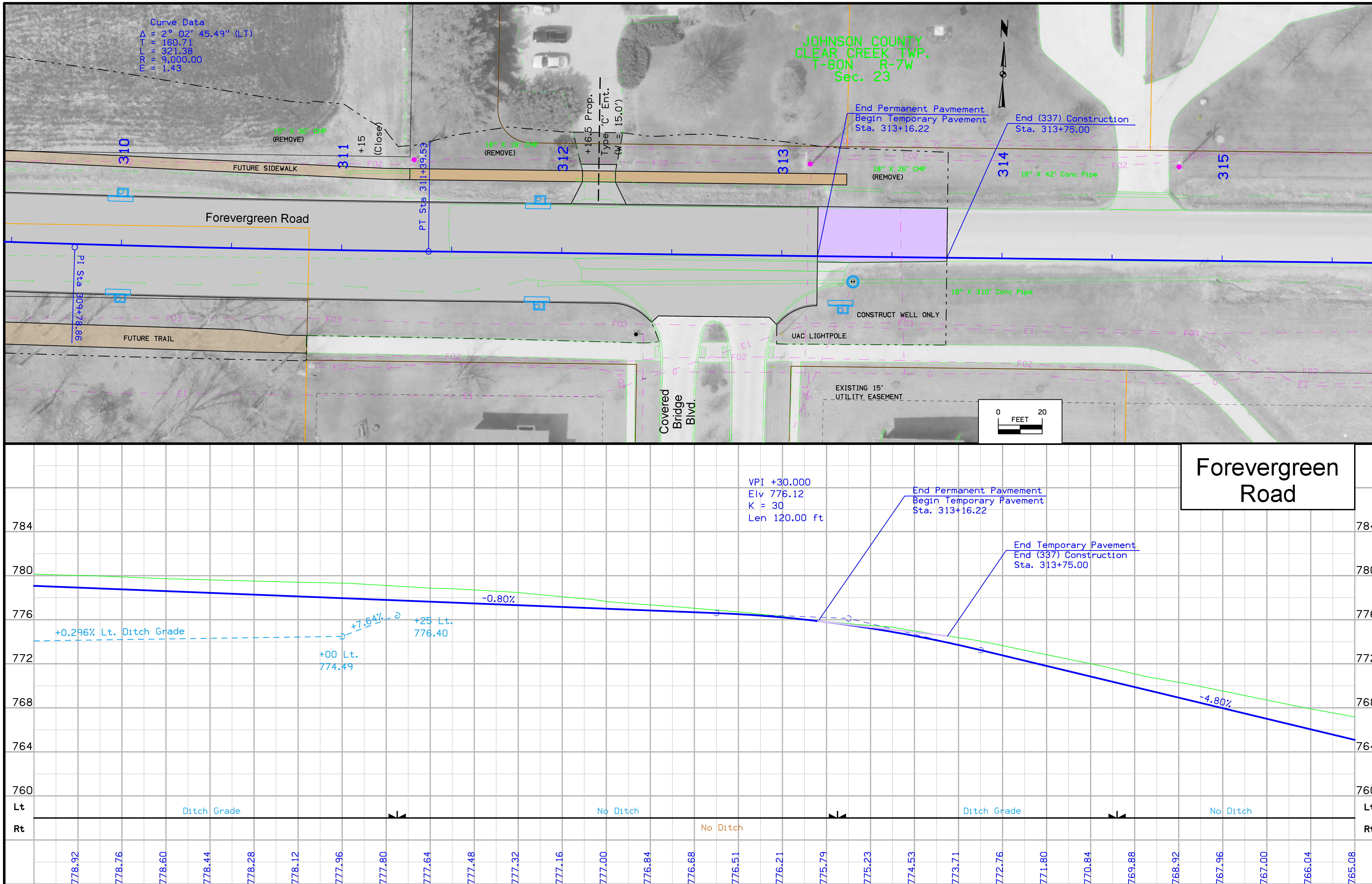

FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller	JOHNSON COUNTY	PROJECT NUMBER NHS-380-6(337)2--11-52	SHEET NUMBER D.5

8:35:24 AM 6/29/2016 rmille3 pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\5238001016\Design\52380337_D2.sht

Survey Information

General Information

The GPS Network along this project was collected by IDOT Preliminary Survey Crews. Information about that network can be found in the 0411gpspoints.doc file included with this survey in NAD83(1996) Project Coordinates.

This survey completes the Design DTM event of the "Can Do Process." Twelve section corners were found and included in this survey. None of the section corners coded as SCR in this survey have been certified by District 6 office. This survey was measured in English Units.

The mainline alignment of this survey is a retrace of the as-built plans # F -518-4(12) -20-52 1986 AB plans (centerline of median).

This survey intersects a 2000 Preliminary Survey along I-80. The 2000 survey data used Sap 0321. A revised GPS network was observed in 2002 for this project that includes all 2000 network control with approximately fourteen additional points added along the I-380 corridor north and south of I-80. The project control for this project is identical to the 2000 network control survey. Station equations to all as-built PI points are in the Horizontal datum information included below.

Vertical Datum

This survey is relative to NAVD88 vertical datum. Three wire bench level loops were run throughout this project. All bench loops originated and closed on one project benchmark #566 a 3rd order USGS mark called 26FDR 1964 682. Note the vertical datum difference between NGVD 88 and NAVD 29 is 0.10 feet in this area. The 29 datum is 0.10 higher than 88.

Vertical equations to the project datum Bench Marks and other benches along this survey are as follows:

BM	# 566	This survey	EL=682.046
= BM	# 566	Johnson County 2000 survey	EL=682.046
= USGS BM	# 26	26FDR 1964 682	EL=682.046
BM	# 625	This survey	El=685.519
= BM	# 14	1986 AB plan F-518-4(26)--20-52	EL=685.56
= BM	# 1	Paving plan I-IG-380-6(19)243--04-52	EL=685.56
BM	# 517	This survey	El=737.314
= BM	# 3	Paving plan I-IG-380-6(19)243--04-52	EL=737.37
BM	# 520	This survey	El=699.144
= BM	# 19	Paving plan I-IG-380-6(19)243--04-52	EL=699.26
BM	# 536	This survey	El=691.494
= BM	# 22	Paving plan I-IG-380-6(19)243--04-52	EL=691.61
BM	# 636	This survey	EL=691.493
= BM	# 521	2000 Carlson survey IMN-80-6(21)240--00-52 (88 Datum)	EL=691.493
= BM	# 22	Paving plan I-IG-380-6(19)243--04-52 (29 Datum)	EL=691.61
= BM	# 22	1986 AB Plan F-518-4(12)--20-52 (29 Datum)	EL=691.61
BM	# 608	This survey	EL=804.915
= BM	# 37	1986 AB Plan F-518-4(12)--20-52 (29 Datum)	EL=804.85
BM	# 582	This survey	EL=758.068
= BM	# 39	1986 AB Plan F-518-4(12)--20-52 (29 Datum)	EL=758.03
BM	# 502	This survey	EL=738.113
= BM	# 502	2000 Carlson survey IMN-80-6(21)240--00-52 (88 Datum)	EL=738.113
= BM	# 51A	I-80-6(12)238 Grading Plan (29 Datum)	EL=738.36
BM	# 512	This survey	EL=789.582
= BM	# 512	2000 Carlson survey\ IMN-80-6(21)240--00-52 (88 Datum)	EL=789.582
= BM	# 60A	I-80-6(12)238 Grading Plan (29 Datum)	EL=789.74
= BM	# 500	IM-80-6(171)240--13-52 Plan (29 Datum)	EL=789.96
BM	# 633	This survey	EL=684.211
= BM	# 21A	F-289(6) 1970 AB PLAN (Datum unknown)	EL=703.62
BM	# 634	This survey	EL=682.904
= BM	# 21B	F-289(6) 1970 AB PLAN (Datum unknown)	EL=702.26

Horizontal Datum

The mainline horizontal alignment for this survey is a retrace of the I-380 plans. Stationing for I-380 was backed up and carried forward from TS Sta 11183+81.20 on the as built plans. Two sets of I-380 plans were used on this project are as follows:

I-380 F-518-4(12)--20-52 As-Built I-380 Plans from south of I-80 to just North of I-80 and I.IG-380-6(19)243-04-52 AS-Built I-380 Plans from just south of I-80 to 1.5 miles North of Co. Rd. F-28

Equations are as follows:

BOP POT Sta.11082+95.29 this survey =
POT Sta. 1684+00.22 F-518-4(12)--20-52 As-Built Plans

CP Point 11097+51.08, 0.14 feet right this survey =
= PC Sta. 1698+56.76 F-518-4(12)--20-52 As-Built Plans Back
= PC Sta. 1698+60.00 F-518-4(12)--20-52 As-Built Plans Ahead

PI Sta. 11109+54.89 this survey =
PI Sta. 1710+60.76 F-518-4(12)--20-52 As-Built Plans

PI Sta.11127+45.33 this survey =
= POT Sta. 1127+45.33 IMN-80-6(211)240-0E-52 2000 Preliminary Survey
= POT Sta. 1728+54.9 F-518-4(12)--20-52 As-Built Plans Back
= POT Sta. 1127+44.85 F-518-4(12)--20-52 As-Built Plans Ahead

POT Sta.11163+54.20 This Survey I-380 Stationing (Not Set in Field)
= POT Sta. 644+59.06 This Survey I-80 Stationing

= POT Sta. 644+50.24 IM-80-6(167)240-13-52 Feb 1996 Grading Plan I-80 Stationing
= POT Sta. 638+56.24 F-518-4(12)--20-52 As-Built Plans I-80 Stationing
= POT Sta. 638+56.24 I-IG-380-6(19)243-04-52 As-Built Plans I-80 Stationing
= POT Sta. 1163+53.95 F-518-4(12)--20-52 As-Built Plans I-380 Stationing
= POT Sta. 1163+53.95 I-IG-380-6(19)243-04-52 As-Built Plans I-380 Stationing
= POT Sta. 644+59.06 IMN-80-6(211)240-0E-52 2000 Preliminary Survey I-80 Stationing

POT Sta. 11183+81.20 This survey
= TS Sta. 1183+81.20 F-518-4(12)--20-52 As-Built Plans
= TS Sta. 1183+81.20 I-IG-380-6(19)243-04-52 As-Built Plans
= TS Sta. 1183+81.20 IMN-80-6(211)240-0E-52 2000 Preliminary Survey

PI Sta. 11191+13.01 this survey =
PI Sta. 1191+12.08 I-IG-380-6(19)243-04-52 As-Built Plans

PI Sta. 11271+13.95 this survey =
PI Sta. 1271+13.52 I-IG-380-6(19)243-04-52 As-Built Plans

PI Sta. 11324+10.95 this survey =
PI Sta. 1324+11.21 I-IG-380-6(19)243-04-52 As-Built Plans

POT Sta. 11404+96.20 this survey =
PC Sta. 1404+96.91 I-IG-380-6(19)243-04-52 As-Built Plans

VERTICAL CONTROL

BENCHMARKS					ELEVATION
No.	624	Sta.11111+94.255	79.87 Lt.	2-100D NAILS IN WD.SI.POS	714.060
No.	625	Sta.11118+31.923	151.22 Lt.	IHC BM INLET HDWL.TRIPLE 10 X 12 RCB BM#625 ELEV.= 685.519(E) THIS SURVEY =BM# 1 ELEV.= 685.56(E) F-518-4(12)--20-52 1986 AB PLAN	685.519
No.	626	Sta.11128+02.043	110.86 Rt.	CUT"X"NW.SIDE W.CONC.SIGN BASE	730.221
No.	516	Sta.11138+40.798	85.63 Rt.	CUT-X-CL-S-EDGE-EAST-CONC BASE OVERHEAD SIGN	741.143
No.	517	Sta.11149+45.044	108.49 Rt.	FD\X-NW-BOLT-LIGHT-POLE = BM 3 ELEV. = 737.37 PAVING PLANS PROJECT NO. I-IG-380-6(19)243--04-52	737.314
No.	518	Sta.11161+33.669	75.84 Rt.	FD\IHC-BM-SE-WING-N-BOUND I-380 BRIDGE OVER I-80	746.360
No.	515	Sta.11163+24.440	152.20 Lt.	CUT-X-S-SIDE-OF-THE-SOUTH CONC BASE OVERHEAD SIGN	717.715
No.	519	Sta.11165+48.102	77.23 Lt.	FD\IHC-BM-NW-WING-S-BOUND I-380 BRIDGE OVER I-80	737.910
No.	520	Sta.11176+43.987	109.01 Lt.	FD\X-E-BOLT-LIGHT-POLE BASE = BM 19 ELEV = 699.26 PAVING PLANS PROJECT NO. I-IG-380-6(19)243--04-52 NO.	699.144
No.	567	Sta.11187+84.421	65.27 Rt.	FD\IHC BM SE WING N.BOUND I-380 BRIDGE OVER CLEAR CREEK	690.972
No.	636	Sta.11188+16.120	22.87 Rt.	FD\IHC-BM-SW-WING-N-BOUND I-380 BRIDGE OVER CLEAR CREEK = BM 22 ELEV. = 691.61 PAVING PLANS PROJECT NO. I-IG-380-6(19)243--04-52	691.494
No.	521	Sta.11188+16.200	22.77 Rt.	FD.IHC SW.WING NB.BRIDGE I-380 OVER CLEAR CREEK BM#521 ELEV.= 691.493(E) THIS SURVEY =BM#521 ELEV.= 691.493(E) IMN-80-6(21)240--00-52 2000 W.CARLSON SURVEY =BM#22 ELEV.= 691.61(E) F-518-4(12)--20-52 1986 AB PLAN	691.493
No.	568	Sta.11188+39.041	64.91 Lt.	FD\IHC BM SW WING S.BOUND I-380 BRIDGE OVER CLEAR CREEK	695.024
No.	569	Sta.11189+63.986	64.82 Rt.	FD.DOT BUTTON NE.WING BR.	694.617
No.	570	Sta.11198+34.501	65.02 Rt.	FD.DOT BUTTON SE.WING BR.	714.922
No.	632	Sta.11199+30.780	142.78 Lt.	CUT"X"N.SIDE 48"CONC.P.PO -LE BASE S.RR.TRACKS JUST W. 380 OVERPASS	680.741
No.	572	Sta.11200+25.396	23.34 Lt.	CUT"X"NE.WING SB.BRIDGE	716.012
No.	571	Sta.11200+34.418	65.35 Lt.	CUT"X"NW.WING SB.BRIDGE	715.783
No.	573	Sta.11204+64.485	22.95 Lt.	CUT"X" SE.WING SB.BR.HWY6	713.595
No.	574	Sta.11204+75.377	65.13 Lt.	FD.DOT BUTTON SW.WING BR.	713.436
No.	575	Sta.11206+88.793	64.63 Rt.	FD.DOT BUTTON NE.WING BR.	712.079
No.	627	Sta.11206+90.470	216.20 Lt.	SET RR.SPK.S.SIDE P.POLE N.SIDE HWY 6,JUST W.OF 380 OVERPASS	685.435
No.	576	Sta.11218+97.892	85.21 Rt.	CUT"X"INLET 24" RCP E.SID	732.351
No.	577	Sta.11235+00.075	16.06 Lt.	CUT"X"E.SIDE OVERHEAD SGN	752.765
No.	578	Sta.11248+47.438	194.26 Rt.	SET 60D NAIL WD.FENCE POS	745.111
No.	579	Sta.11261+23.666	152.27 Rt.	SET 60D NAIL WD.FENCE POS	783.326

No. 608 Sta.11270+93.677 134.86 Rt. FD.IHC SE.COR.WHLGD.BRIDG
BM#608 ELEV.= 804.915(E)
THIS SURVEY
=BM#37 ELEV.= 804.85(E)
F-518-4(12)--20-52
1986 AB PLAN------------------- 804.915
No. 607 Sta.11271+31.826 130.49 Lt. CUT"X"NW.COR.WHLGD.BRIDGE------ 804.763
No. 580 Sta.11272+23.924 148.34 Rt. SET RR.SPK.W.SIDE FE.POST------ 779.049
No. 581 Sta.11287+68.335 98.68 Rt. CUT"X"INLET 42"RCP S.10F2------ 764.010
No. 582 Sta.11303+75.126 105.25 Rt. FD.IHC INLET HDWL.TWIN8X8
BM#582 ELEV.= 758.068(E)
THIS SURVEY
=BM#39 ELEV.= 758.03(E)
F-518-4(12)--20-52
1986 AB PLAN------------------- 758.068
No. 583 Sta.11319+99.239 100.54 Rt. CUT"X"NW.W.CONC.SIGN BASE------ 767.172
No. 606 Sta.11324+44.101 150.98 Lt. SET RR.SPK.SE.SIDE P.POLE------ 780.252
No. 584 Sta.11332+00.705 107.52 Rt. CUT"X"E.SIDEW.CONC.SGN.BA------ 775.672
No. 585 Sta.11343+50.252 109.94 Rt. CUT"X"NE.SIDEW.CONC.SGN.B------ 788.481
No. 586 Sta.11356+00.495 116.53 Rt. CUT"X"W.SIDEW.CONC.SGN.BA------ 795.758
No. 587 Sta.11375+75.327 149.09 Rt. SET RR.SPK.W.SIDE P.POLE------- 798.873
No. 592 Sta.11377+19.336 135.71 Lt. CUT"X"SW.WING CO.RD.F28 B------ 816.985
No. 593 Sta.11377+53.473 133.56 Rt. FD.DOT BUTTON NE.WING BR.------ 817.034
No. 588 Sta.11389+34.201 160.47 Rt. SET RR.SPK.W.SIDE FE.POST------ 789.830
No. 589 Sta.11403+67.224 180.83 Rt. SET RR.SPK.NW.SIDE P.POLE------ 762.153
No. 500 Sta. 524+24.824 275.01 Rt. CUT-X-NW-CORNER-CONC-SLAB
OF THE EAST MOST
HISTORICAL MONUMENT------------ 725.532
No. 501 Sta. 541+26.761 95.72 Rt. FD\IHC-BM-ON-INLET-HDWL
6.0 X 6.0 RCB------------------ 716.211
No. 502 Sta. 557+55.028 100.54 Lt. FD\IHC-BM-ON-INLET-HDWL
4.0 X 4.0 RCB
= BM 51A ELEV = 738.36
GRADING PLANS PROJECT
NO. I-80-6(12)238-------------- 738.113
No. 503 Sta. 567+54.008 112.27 Rt. FD\IHC-BM-SE-WING-BRIDGE
= BM 51C ELEV = 768.83
GRADING PLANS PROJECT
NO. I-80-6(12)238-------------- 768.519
No. 505 Sta. 572+43.123 232.39 Lt. FD\IHC-BM-ON-INLET-HDWL
5.0 X 5.0 RCB
= BM 56B ELEV = 736.39
GRADING PLANS PROJECT
NO. I-80-6(12)238-------------- 736.150
No. 506 Sta. 576+04.565 174.78 Lt. FD\IHC-BM-ON-OUTLET-HDWL
42" CIR RCB W\ FLUME
= BM 56A ELEV = 736.54
GRADING PLANS PROJECT
NO. I-80-6(12)238-------------- 736.266
No. 507 Sta. 582+71.852 157.29 Rt. SET\RR-SPK-N-SIDE-FE-POST------ 741.725
No. 508 Sta. 593+92.172 141.09 Lt. SET\RR-SPK-S-SIDE-P-POLE------- 741.525
No. 509 Sta. 607+05.870 79.46 Rt. FD\IHC-BM-ON-INLET-HDWL
5.0 X 5.0 RCB
= BM 58A ELEV = 738.31
GRADING PLANS PROJECT
NO. I-80-6(12)238-------------- 738.221
No. 511 Sta. 620+62.574 65.33 Rt. FD\X-SOUTH-CONC-BASE-OF
OVERHEAD SIGN= BM # 501
PROJECT NUMBER
IM-80-6(171)240--13-52
ELEVATION=768.539-------------- 768.176
No. 512 Sta. 621+03.405 106.71 Lt. FD\IHC-BM-NW-WING-BRIDGE
= BM 60A ELEV = 789.74
GRADING PLANS PROJECT
NO.I-80-6(12)238=BM # 500
PROJECT NUMBER
IM-80-6(171)240--13-52
ELEVATION=789.96--------------- 789.582
No. 514 Sta. 628+04.839 138.29 Rt. FD-X-NORTH-SIDE-CONC-BASE
LIGHT POLE = BM # 502
PROJECT NUMBER
IM-80-6(171)240--13-52
ELEVATION=759.83--------------- 759.429
No. 519 Sta. 643+13.570 149.65 Lt. FD\IHC-BM-NW-WING-S-BOUND
I-380 BRIDGE OVER I-80--------- 737.910
No. 515 Sta. 643+29.799 85.69 Rt. CUT-X-S-SIDE-OF-THE-SOUTH
CONC BASE OVERHEAD SIGN-------- 717.715
No. 518 Sta. 646+13.448 174.79 Rt. FD\IHC-BM-SE-WING-N-BOUND
I-380 BRIDGE OVER I-80--------- 746.360

No. 522 Sta. 659+46.078 96.58 Lt. FD\IHC-BM-SW-WING-RAMP
BRG FROM I-80 W.BOUND TO
I-380 N.BOUND------------------ 683.510
No. 523 Sta. 661+62.644 113.94 Rt. FD\X-CONC-WHEELGUARD-SE
END OF RAMP BRIDGE FROM
I-380 N.BOUND TO I-80
EAST BOUND--------------------- 678.334
No. 524 Sta. 678+73.492 137.92 Rt. SET\RR-SPK-N-SIDE-WOOD
FENCE POST--------------------- 668.615
No. 622 Sta.20572+00.606 33.65 Rt. SET RR.SPK.SW.SIDE P.POLE------ 764.688
No. 621 Sta.20578+73.257 31.20 Rt. SET RR.SPK..W.SIDE P.POLE------ 763.973
No. 620 Sta.20591+97.150 53.93 Rt. SET RR.SPK.SW.SIDE FE.PST------ 740.677
No. 619 Sta.20602+54.671 63.25 Lt. SET RR.SPK.N.SIDE P.POLE------- 786.486
No. 513 Sta.20608+06.706 35.16 Lt. SET\RR-SPK-N-SIDE-P-POLE------- 799.211
No. 510 Sta.20622+90.521 33.39 Lt. FD\RR-SPK-E-SIDE-P-POLE-------- 759.074
No. 511 Sta.30620+64.760 67.37 Lt. FD\X-SOUTH-CONC-BASE-OF
OVERHEAD SIGN= BM # 501
PROJECT NUMBER
IM-80-6(171)240--13-52
ELEVATION=768.539-------------- 768.176
No. 512 Sta.30622+33.605 14.88 Lt. FD\IHC-BM-NW-WING-BRIDGE
= BM 60A ELEV = 789.74
GRADING PLANS PROJECT
NO.I-80-6(12)238=BM # 500
PROJECT NUMBER
IM-80-6(171)240--13-52
ELEVATION=789.96--------------- 789.582
No. 617 Sta.30634+79.709 15.80 Rt. SET RR.SPK.W.SIDE TEL.POL
ON JASPER AVE.----------------- 778.994
No. 616 Sta.30639+48.147 43.04 Rt. SET RR.SPK.W.SIDE P.POLE
ON JASPER AVE.----------------- 758.301
No. 615 Sta.30653+45.242 17.13 Rt. FD.SQ.SE.COR.HNDRL.BRIDGE
OVER CLEAR CREEK,JASPER A------ 686.896
No. 614 Sta.30655+23.641 16.15 Lt. CUT"X"NW.COR.HNDRL.BRG.OV
ER CLEAR CREEK ON JASPER
AVE. JUST S.RR.TRACKS---------- 687.721
No. 633 Sta.30664+43.666 29.41 Rt. FD.IHC INLET HDWL 4X2 RCB
BM# 633 ELEV.= 684.221(E)
THIS SURVEY
=BM#21A ELEV.=703.62
F-289(6) 1970 AB PLAN---------- 684.221
No. 596 Sta.30677+73.777 27.86 Lt. SET RR.SPK.E.SIDE P.POLE------- 717.410
No. 597 Sta.30686+97.621 16.19 Rt. FD.BOLT INLET HDWL.8X6RCB------ 709.220
No. 598 Sta.30698+38.006 33.23 Lt. SET RR.SPK.W.SIDE P.POLE------- 733.159
No. 599 Sta.30711+77.883 32.92 Lt. SET RR.SPK.W.SIDE P.POLE------- 780.071
No. 600 Sta.30719+26.238 33.12 Lt. SET RR.SPK.W.SIDE P.POLE------- 808.144
No. 601 Sta.30728+10.453 42.91 Rt. SET RR.SPK.SW.SIDE P.POLE------ 797.156
No. 602 Sta.30740+44.218 32.72 Rt. SET RR.SPK.W.SIDE GATEPOS------ 760.080
No. 603 Sta.30753+47.152 26.22 Rt. SET RR.SPK.W.SIDE P.POLE------- 757.608
No. 604 Sta.30766+58.868 30.99 Rt. SET RR.SPK.W.SIDE P.POLE------- 768.523
No. 632 Sta.41197+93.824 27.47 Rt. CUT"X"N.SIDE 48"CONC.P.PO
-LE BASE S.RR.TRACKS JUST
W. 380 OVERPASS---------------- 680.741
No. 571 Sta.41198+53.244 87.28 Lt. CUT"X"NW.WING SB.BRIDGE-------- 715.783
No. 572 Sta.41198+95.539 85.52 Lt. CUT"X"NE.WING SB.BRIDGE-------- 716.012
No. 570 Sta.41200+17.490 85.89 Rt. FD.DOT BUTTON SE.WING BR.------ 714.922
No. 631 Sta.41210+26.902 27.22 Rt. CUT"X"N.SIDE 48"CONC.P.PO
-LE BASE,OVERHEAD POWER
LINE,S.RR.TRACKS,JUST W.
FS FEEDS BUILDING-------------- 684.629
No. 630 Sta.41219+67.035 28.89 Rt. CUT"X"N.SIDE 48"CONC.P.PO
-LE BASE S.RR.TRACKS E.
END FS FEEDS FENCE------------- 688.824
No. 633 Sta.51192+29.509 33.19 Lt. FD.IHC INLET HDWL 4X2 RCB
BM# 633 ELEV.= 684.221(E)
THIS SURVEY
=BM#21A ELEV.=703.62
F-289(6) 1970 AB PLAN---------- 684.221
No. 634 Sta.51200+72.371 24.25 Lt. FD.IHC INLET HDWL 4X2 RCB
BM# 634 ELEV.= 682.904(E)
THIS SURVEY
=BM#21B ELEV.=702.26
F-289(6) 1970 AB PLAN---------- 682.904
No. 627 Sta.51203+52.358 60.83 Lt. SET RR.SPK.S.SIDE P.POLE
N.SIDE HWY 6,JUST W.OF
380 OVERPASS------------------- 685.435
No. 574 Sta.51205+48.360 121.48 Rt. FD.DOT BUTTON SW.WING BR.------ 713.436
No. 573 Sta.51205+96.470 120.17 Rt. CUT"X" SE.WING SB.BR.HWY6------ 713.595
No. 575 Sta.51206+11.957 120.14 Rt. FD.DOT BUTTON NE.WING BR.------ 712.079

No. 628 Sta.51220+41.072 38.97 Rt. FD.DOT BUTTON OUTLET HDWL
12.0 X 6.0 RCB,S.SIDE RD.------ 692.107
No. 601 Sta.61258+19.677 73.21 Lt. SET RR.SPK.SW.SIDE P.POLE------ 797.156
No. 607 Sta.61269+81.203 16.29 Lt. CUT"X"NW.COR.WHLGD.BRIDGE------ 804.763
No. 608 Sta.61272+47.430 15.13 Rt. FD.IHC SE.COR.WHLGD.BRIDG
BM#608 ELEV.= 804.915(E)
THIS SURVEY
=BM#37 ELEV.= 804.85(E)
F-518-4(12)--20-52
1986 AB PLAN------------------- 804.915
No. 580 Sta.61272+57.419 115.97 Lt. SET RR.SPK.W.SIDE FE.POST------ 779.049
No. 609 Sta.71285+24.573 36.52 Lt. SET RR.SPK.W.SIDE P.POLE------- 782.709
No. 610 Sta.71300+33.158 43.78 Rt. SET RR.SPK.E.SIDE P.POLE------- 777.704
No. 611 Sta.71313+91.962 33.55 Lt. SET RR.SPK.W.SIDE P.POLE------- 794.997
No. 612 Sta.71324+43.867 33.77 Lt. SET RR.SPK.E.SIDE P.POLE------- 777.635
No. 605 Sta.81312+32.522 26.41 Lt. SET RR.SPK.S.SIDE P.POLE------- 778.045
No. 606 Sta.81322+59.298 30.49 Lt. SET RR.SPK.SE.SIDE P.POLE------ 780.252
No. 613 Sta.81339+01.184 31.48 Lt. SET RR.SPK.S.SIDE P.POLE------- 764.142
No. 590 Sta.91359+26.297 34.25 Rt. ARROWHEAD ON SW.SIDE FHD------- 788.696
No. 591 Sta.91365+45.283 23.04 Rt. ARROWHEAD ON NE.SIDE FHD------- 792.288
No. 592 Sta.91376+00.766 16.91 Rt. CUT"X"SW.WING CO.RD.F28 B------ 816.985
No. 593 Sta.91378+70.104 16.70 Lt. FD.DOT BUTTON NE.WING BR.------ 817.034
No. 587 Sta.91378+85.282 161.48 Rt. SET RR.SPK.W.SIDE P.POLE------- 798.873
No. 594 Sta.91393+35.495 28.53 Rt. ARROWHEAD ON W.SIDE FHD-------- 788.677
No. 595 Sta.91400+06.045 28.37 Rt. ARROWHEAD ON W.SIDE FHD.------- 785.191

MISCELLANEOUS LOCATIONS
No. 43 ****************************** GPS# 043-GPS ZC= 751.45
ADJUSTED LOCAL PROJECT
PLANE COORDINATES
ELEVATION IS ESTIMATED
GPS DERIVED ORTHO HEIGHT------- 751.478
No. 44 ****************************** GPS# 044 -GPS ZC= 783.95
ADJUSTED LOCAL PROJECT
PLANE COORDINATES
ELEVATION IS ESTIMATED
GPS DERIVED ORTHO HEIGHT------- 783.937
No. 45 ****************************** GPS# 045 -GPS ZC= 767.37
ADJUSTED LOCAL PROJECT
PLANE COORDINATES
ELEVATION IS ESTIMATED
GPS DERIVED ORTHO HEIGHT------- 767.378
No. 46 ****************************** GPS# 046 -GPS ZC= 777.31
ADJUSTED LOCAL PROJECT
PLANE COORDINATES
ELEVATION IS ESTIMATED
GPS DERIVED ORTHO HEIGHT------- 777.325
No. 47 ****************************** GPS# 047 -GPS ZC= 798.04
ADJUSTED LOCAL PROJECT
PLANE COORDINATES
ELEVATION IS ESTIMATED
GPS DERIVED ORTHO HEIGHT------- 798.026
No. 51 ****************************** GPS# 051 -GPS ZC= 764.45
ADJUSTED LOCAL PROJECT
PLANE COORDINATES
ELEVATION IS ESTIMATED
GPS DERIVED ORTHO HEIGHT------- 764.528
No. 566 ****************************** FD USGS DISK OUTLET HDWL
4.0 X 2.0 RCB
NAVD 88 EL=682.046------------- 682.046

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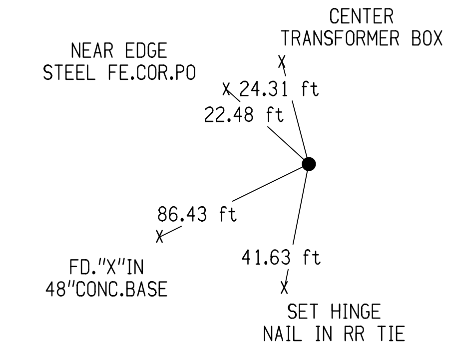
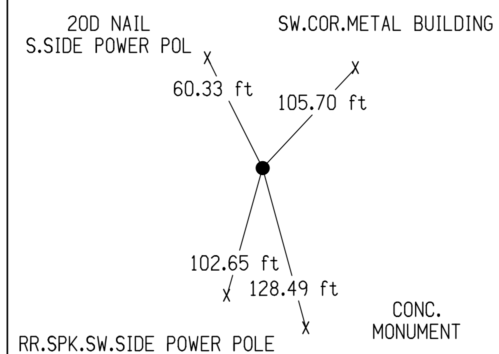
No.   48 ****************************** GPS#  048-GPS ZC= 786.78
                                        ADJUSTED LOCAL PROJECT
                                        PLANE COORDINATES
                                        ELEVATION IS ESTIMATED
                                        GPS DERIVED ORTHO HEIGHT------- 786.758
No.   49 ****************************** GPS# 049 -GPS ZC= 813.21
                                        ADJUSTED LOCAL PROJECT
                                        PLANE COORDINATES
                                        ELEVATION IS ESTIMATED
                                        GPS DERIVED ORTHO HEIGHT------- 813.212
No.   50 ****************************** GPS#  050-GPS ZC= 784.71
                                        ADJUSTED LOCAL PROJECT
                                        PLANE COORDINATES
                                        ELEVATION IS ESTIMATED
                                        GPS DERIVED ORTHO HEIGHT------- 784.725
No.  629 ****************************** SET RR.SPK.SW.SIDE L.POLE
                                        IN ENT.TO FS FEEDS------------- 702.775
No.  623 ****************************** FD.BOLT SW.COR.HDWL.TWIN
                                        12 X 12 RCB-------------------- 688.940
No.   38 ****************************** GPS# 038 -GPS ZC= 717.88
                                        ADJUSTED LOCAL PROJECT
                                        PLANE COORDINATES
                                        ELEVATION IS ESTIMATED
                                        GPS DERIVED ORTHO HEIGHT
                                        GPS POINT G038----------------- 717.875
No.   39 ****************************** GPS POINT G039
                                        GPS#  39 -GPS ZC= 733.36
                                        ADJUSTED LOCAL PROJECT
                                        PLANE COORDINATES
                                        ELEVATION IS ESTIMATED
                                        GPS DERIVED ORTHO HEIGHT------- 733.310
No.  635 ****************************** SET RR SPK N. SIDE P.POLE
                                        AT ENT TO 911 # 3050
                                        ON N. SIDE 355 ST. S.W.-------- 775.965
No.  504 ****************************** FD\IHC-BM-ON-INLET-HDWL
                                        6.0 X 4.0 RCB
                                        = BM 51B ELEV = 760.19
                                        GRADING PLANS PROJECT
                                        NO. I-80-6(12)238-------------- 759.878
No.   11 ****************************** GPS-POINT-G011
                                        FENO MONUMENT
                                        ORTHO ELVATION =722.71--------- 722.698
No.   13 ****************************** GPS-POINT-G013
                                        ORTHO ELEVATION=709.82
                                        FD\ REBAR---------------------- 709.794
No.  525 ****************************** FD\IHC-BM-SW-WING-I-80
                                        E.BOUND BR. OVER HWY 6--------- 713.964
No. 1095 ****************************** TARGET-#-1095------------------ 679.243
No.  526 ****************************** FD\IHC-BM-ON-INLET-HDWL
                                        8.0 X 8.0 RCB
                                        = BM 115B ELEV. = 678.77
                                        PCC PAVING PROJECT PLANS
                                        NO. I-IG-80-6(5)245------------ 678.693
```

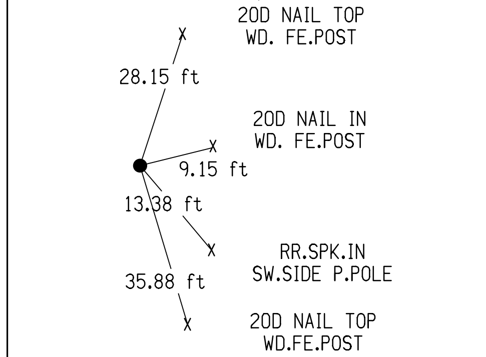
CP STA
CP,SET IRON PIN 0.4' DEEP
CP NO. 368
XC=2149688.768, YC=625463.294



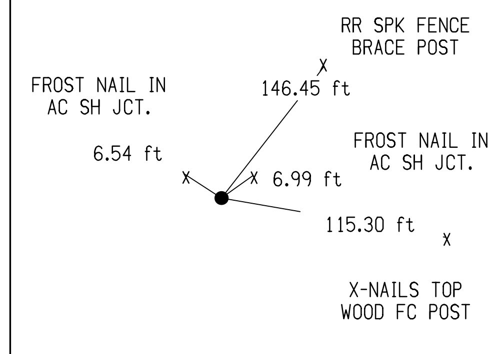
CP STA
CP,SET IRON PIN 0.5' DEEP
CP NO. 367
XC=2149842.545, YC=625965.820



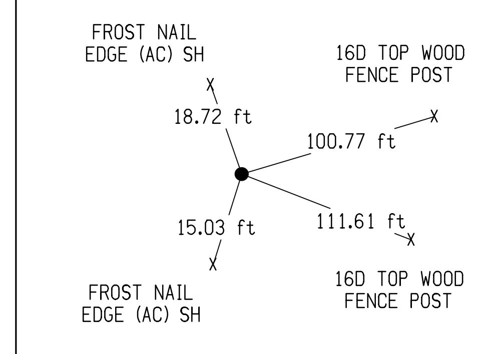
CP STA
CP,SET IRON PIN 0.6' DEEP
CP NO. 359
XC=2149158.353, YC=619695.551



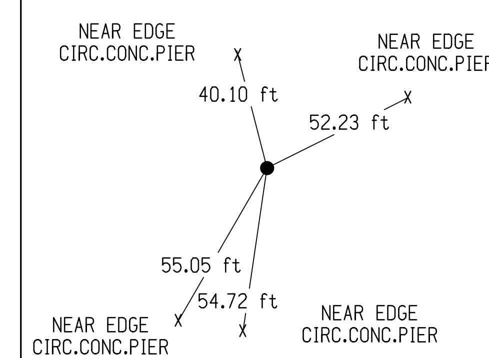
CP STA1138819.46 69.52 RT
CP POINT 328
SET IRON PIN
XC=2147370.319, YC=645001.916



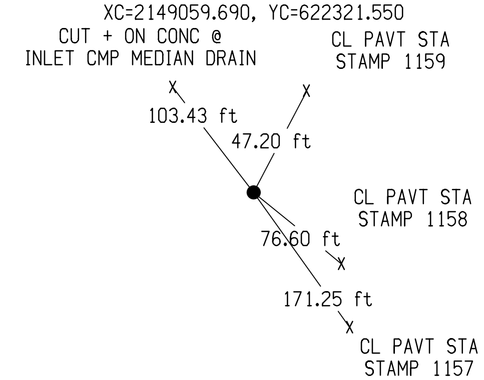
GPS STA
GPS POINT G051
FD RE-BAR
XC=2147352.230, YC=646825.440



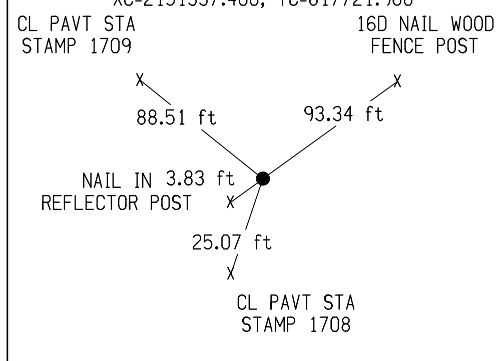
PI STA
PI,FD.HINGE NAIL
PI NO. 203
XC=2147685.529, YC=626785.566



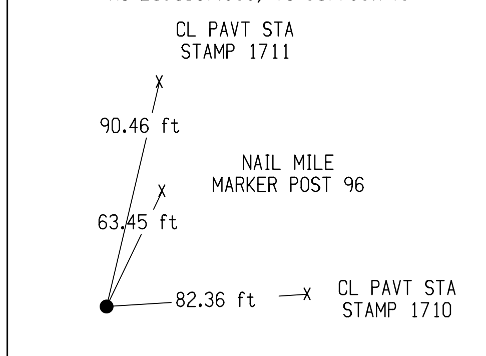
GPS STA1158+67.81 18.37RT
GPS POINT G040
FD REBAR 6" DEEP
XC=2149059.690, YC=622321.550



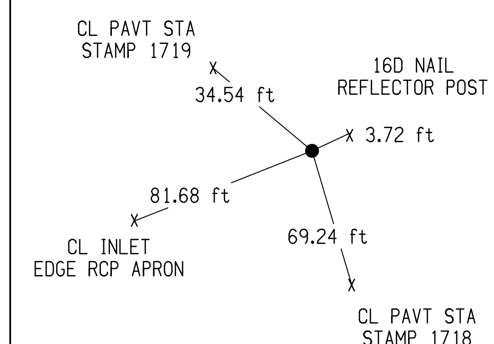
GPS STA11107+07.24 75.97R
GPS POINT G038
FOUND REBAR 6" DEEP
XC=2151337.400, YC=617721.960



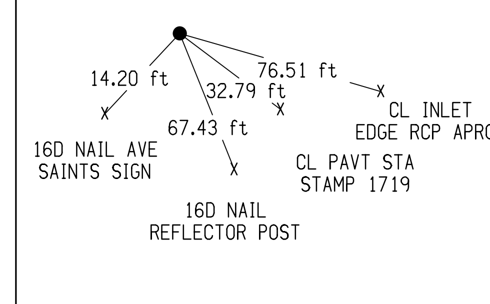
PI STA11109+54.89 125.04L
PI POINT 117
FOUND REBAR (OLD P.I.)
XC=2151037.868, YC=617786.796



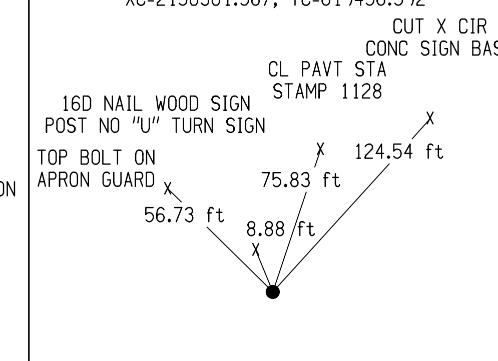
CP STA11117+61.69 67.32RT
CP POINT 362
SET IRON PIN
XC=2150768.562, YC=618592.409



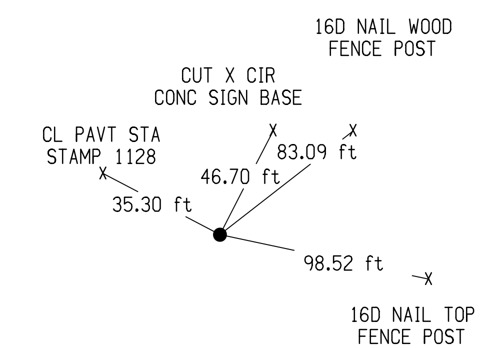
CP STA11118+23.46 68.31LT
CP POINT 361
SET IRON PIN
XC=2150619.686, YC=618585.593



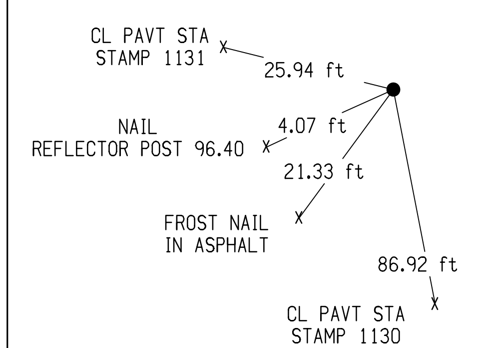
PI STA 11127+45.33
PI POINT 61
FOUND REBAR
XC=2150301.567, YC=619456.592



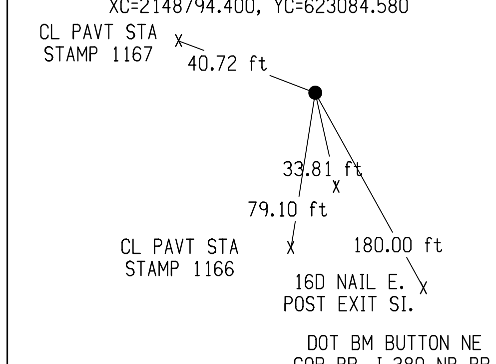
CP STA11127+71.82 75.24RT
CP POINT 363
SET IRON PIN
XC=2150359.742, YC=619511.171



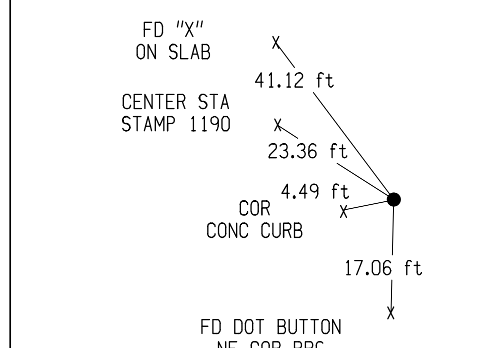
GPS STA11130+83.96 73.69R
GPS POINT G039
FOUND REBAR
XC=2150232.500, YC=619796.200



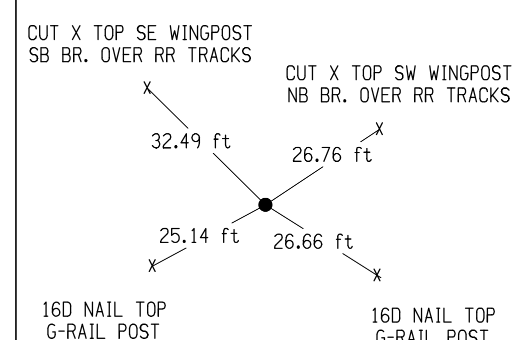
GPS STA11166+73.04 83.17R
GPS POINT G041
FOUND REBAR 4" DEEP
XC=2148794.400, YC=623084.580



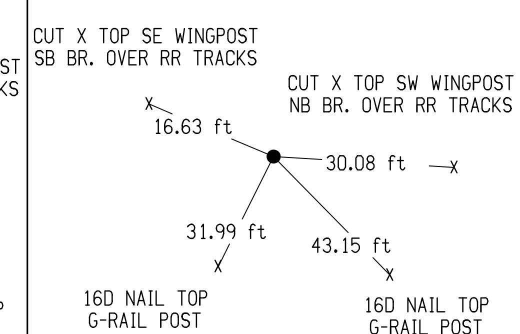
GPS 11189+80.71,69.65 RT
FD REBAR 0.4 DEEP
GPS #G042
XC=2147894.800, YC=625195.400



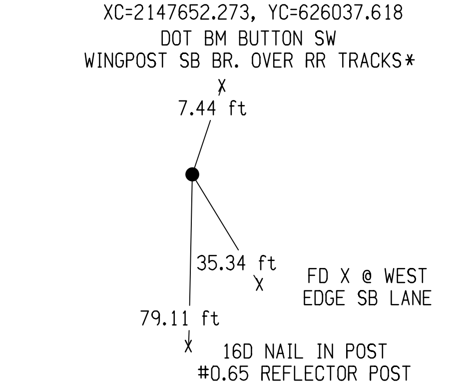
POST STA 11198+25.80
POST POINT 119
42" DEEP (OLD ST)
XC=2147720.353, YC=626013.868



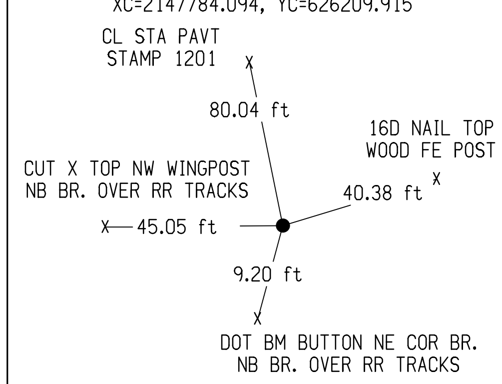
CP STA11198+42.48 7.38LT.
CP POINT 310
SET IRON PIN
XC=2147712.647, YC=626030.407



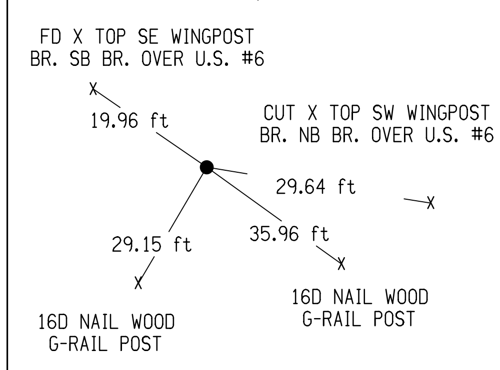
CP STA11198+50.88 67.60LT
CP POINT 311
SET IRON PIN
XC=2147652.273, YC=626037.618



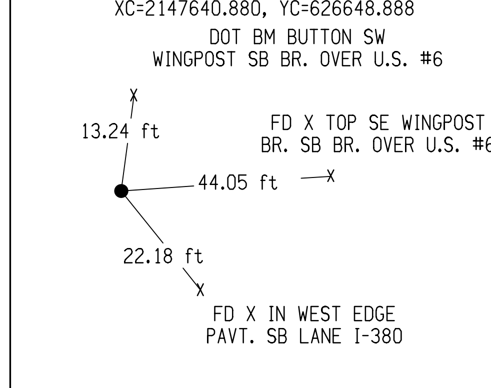
CP STA11200+20.55 67.59RT
CP POINT 312
SET IRON PIN
XC=2147784.094, YC=626209.915

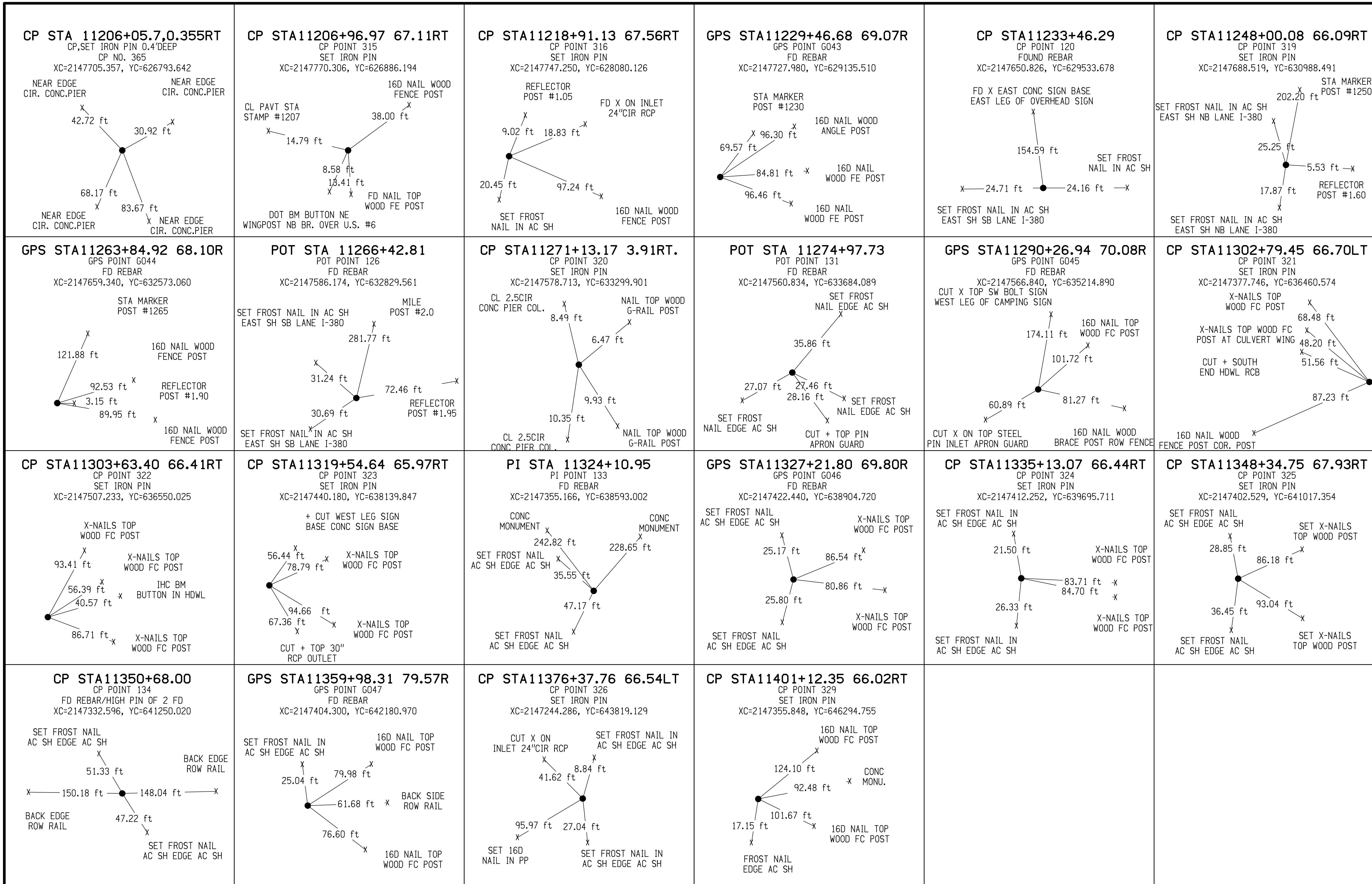


CP STA11204+52.93 6.70LT.
CP POINT 313
SET IRON PIN
XC=2147701.314, YC=626640.752



CP STA11204+62.26 66.96LT
CP POINT 314
SET IRON PIN
XC=2147640.880, YC=626648.888

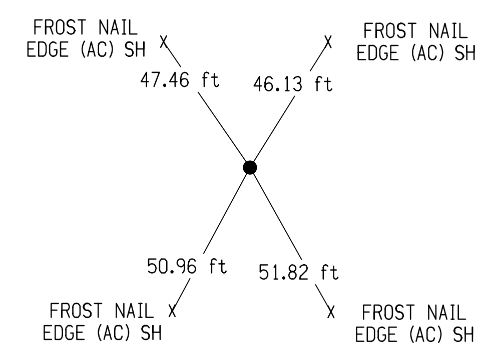




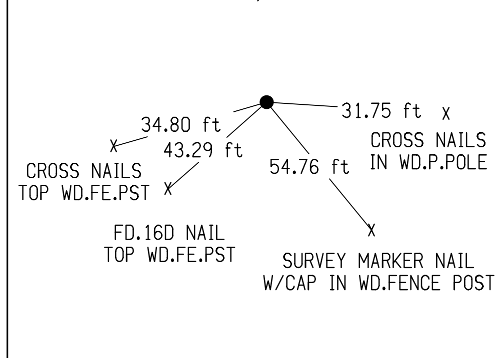
FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller		JOHNSON COUNTY	PROJECT NUMBER	NHS-380-6(337)2--11-52	SHEET NUMBER G.5

1:20:14 PM 6/24/2016 rmille3 pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\5238001016\Design\52380337_G1.sht

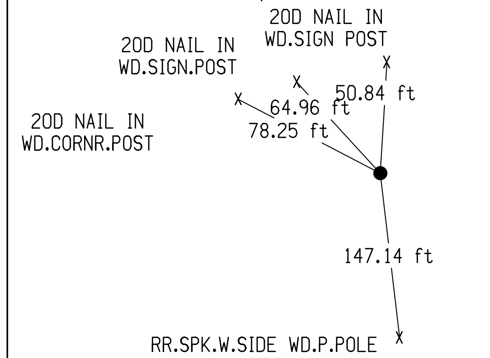
CP STA 11404+97.20
CP POINT 136
H0411001.ALI
XC=2147286.571, YC=646679.028



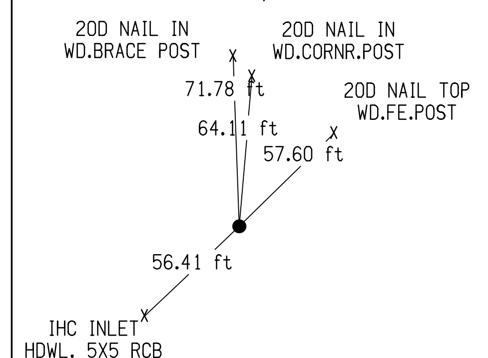
PI STA.20576+03.82
PI,FD.IRON PIN 1.1' DEEP
PI NO. 161,SCR NO. 161
XC=2149125.621, YC=620087.690



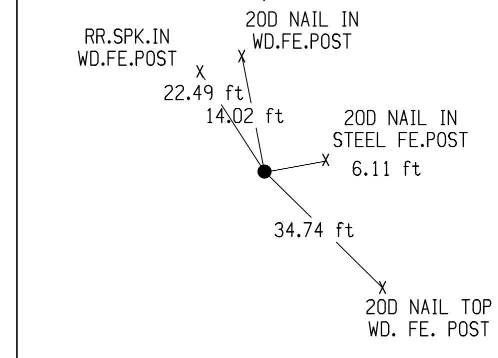
CP STA.20580+19.75,17.9RT
CP,SET IRON PIN 0.6' DEEP
CP NO. 358
XC=2149132.853, YC=620503.941



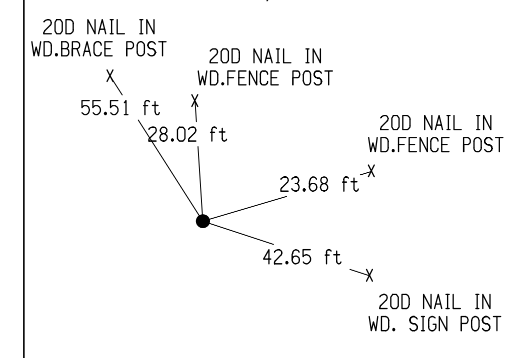
PI STA. 20589+66.53
PI,SET IRON PIN 0.5' DEEP
PI NO. 164
XC=2149090.582, YC=621449.945



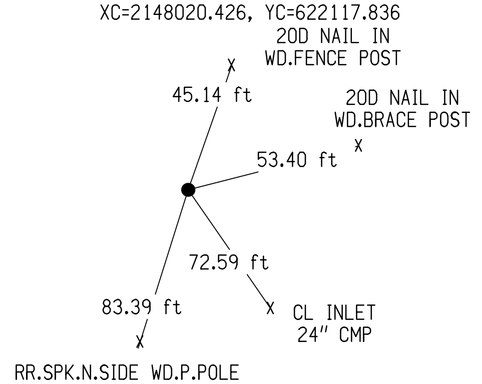
CP STA.20591+76.66,49.5RT
CP,SET IRON PIN 0.7' DEEP
CP NO. 357
XC=2149003.559, YC=621660.301



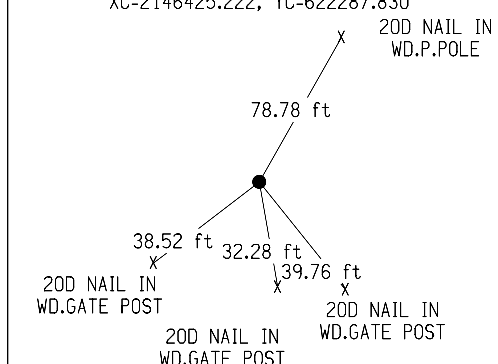
PI STA.20593+49.34
PI,SET IRON PIN 0.5' DEEP
PI NO. 165
XC=2148865.863, YC=621772.416



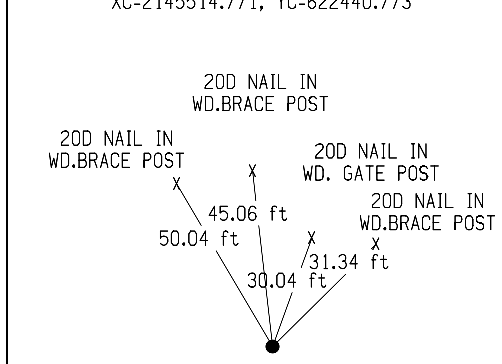
PI STA.20602+51.57
PI,SET IRON PIN 0.4' DEEP
PI NO. 169
XC=2148020.426, YC=622117.836



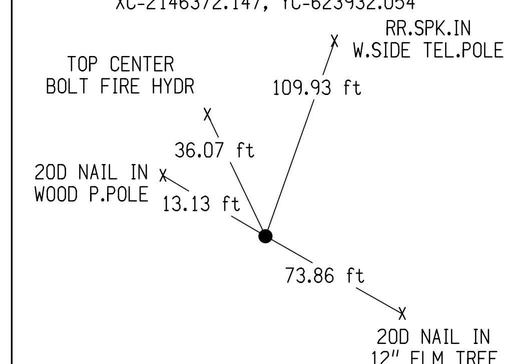
PI STA.20618+52.05
PI,SET IRON PIN 0.4' DEEP
PI NO. 175
XC=2146425.222, YC=622287.830



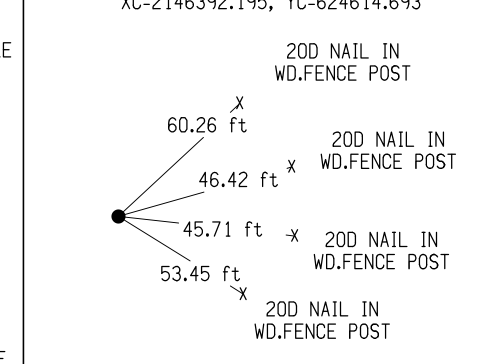
CP STA.20627+75.09
CP,SET IRON PIN 0.4' DEEP
CP NO. 178
XC=2145514.771, YC=622440.773



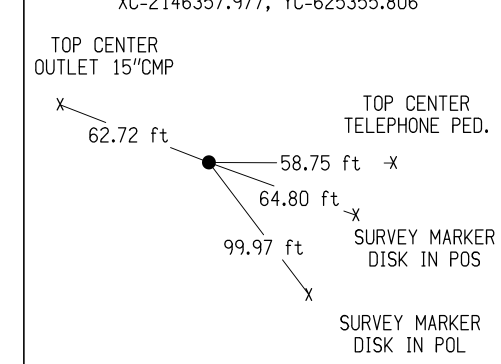
CP STA.30633+76.9,23.11LT
CP,SET IRON PIN 0.5' DEEP
CP NO. 356
XC=2146372.147, YC=623932.054



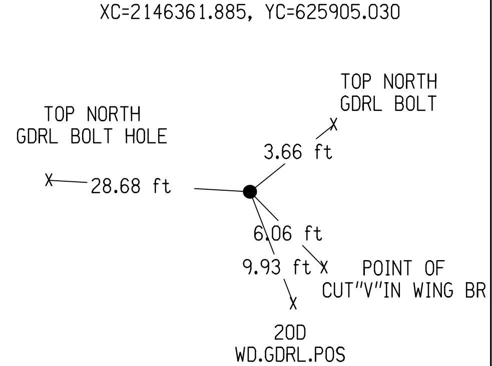
CP STA 30640+58.79,14.8RT
CP,SET IRON PIN 0.5' DEEP
CP NO. 355
XC=2146392.195, YC=624614.693



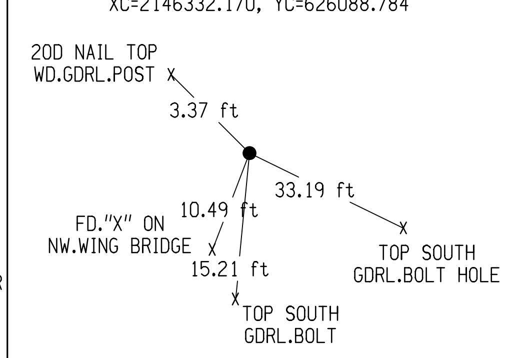
PI STA 30648+00.546
SCR,FD.5/8"REBAR .6'DEEP
PI NO. 185
XC=2146357.977, YC=625355.806



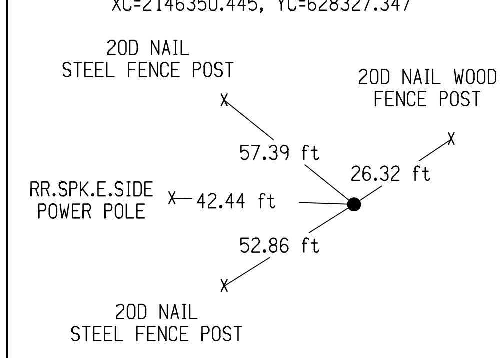
CP STA 30653+49.6,12.87RT
CP,SET IRON PIN 0.6' DEEP
CP NO 354
XC=2146361.885, YC=625905.030



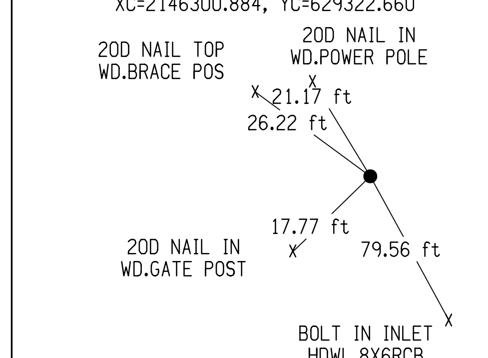
CP STA 30655+33.8,13.84RT
CP,SET IRON PIN 0.6' DEEP
CP NO. 353
XC=2146332.170, YC=626088.784



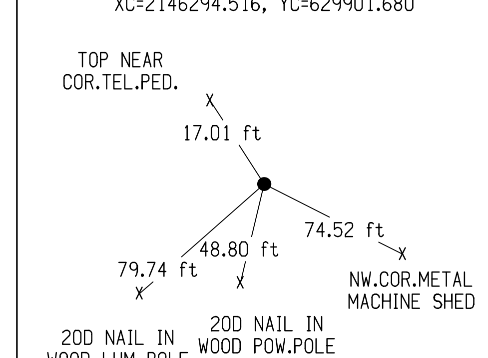
CP STA 30677+72.2,14.55RT
CP,SET IRON PIN 0.5' DEEP
CP NO. 336
XC=2146350.445, YC=628327.347



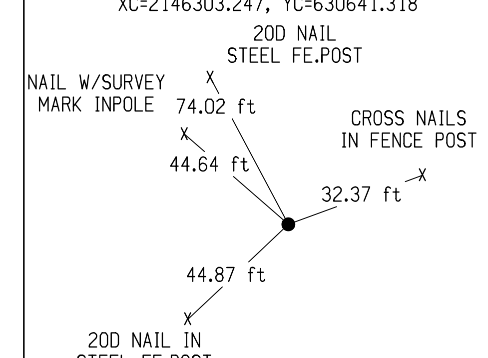
CP STA 30687+67.9,20.99LT
CP,FD.BOLT IN YELLOW CAP
CP NO. 337
XC=2146300.884, YC=629322.660



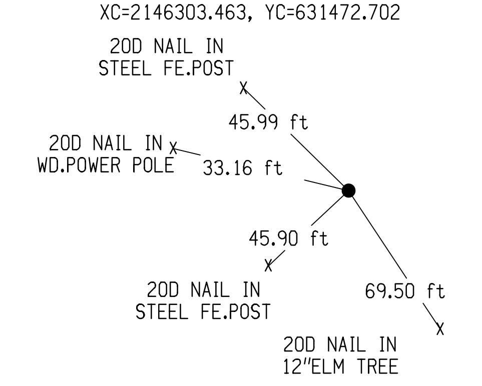
CP STA 30693+47.0,19.18LT
CP,SET IRON PIN 0.5' DEEP
CP NO. 338
XC=2146294.516, YC=629901.680



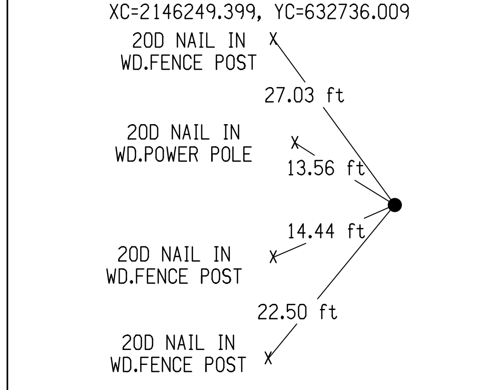
SCR,PI,STA 30700+86.417
SCR,PI,FD.CONC.MONU.1DEEP
SCR NO.211, PI NO. 222
XC=2146303.247, YC=630641.318



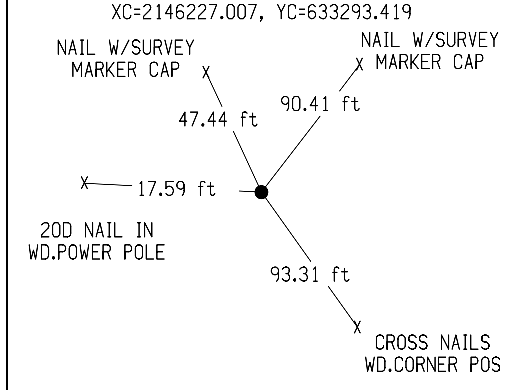
CP STA 30709+17.69,13.9RT
CP,SET IRON PIN 0.5' DEEP
CP NO. 339
XC=2146303.463, YC=631472.702



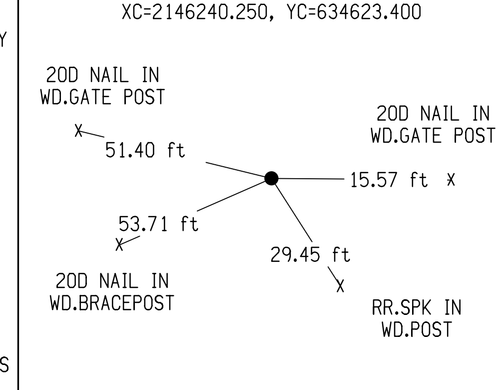
CP STA 30721+82.12,13.5LT
CP,SET IRON PIN 1.0' DEEP
CP NO. 340
XC=2146249.399, YC=632736.009

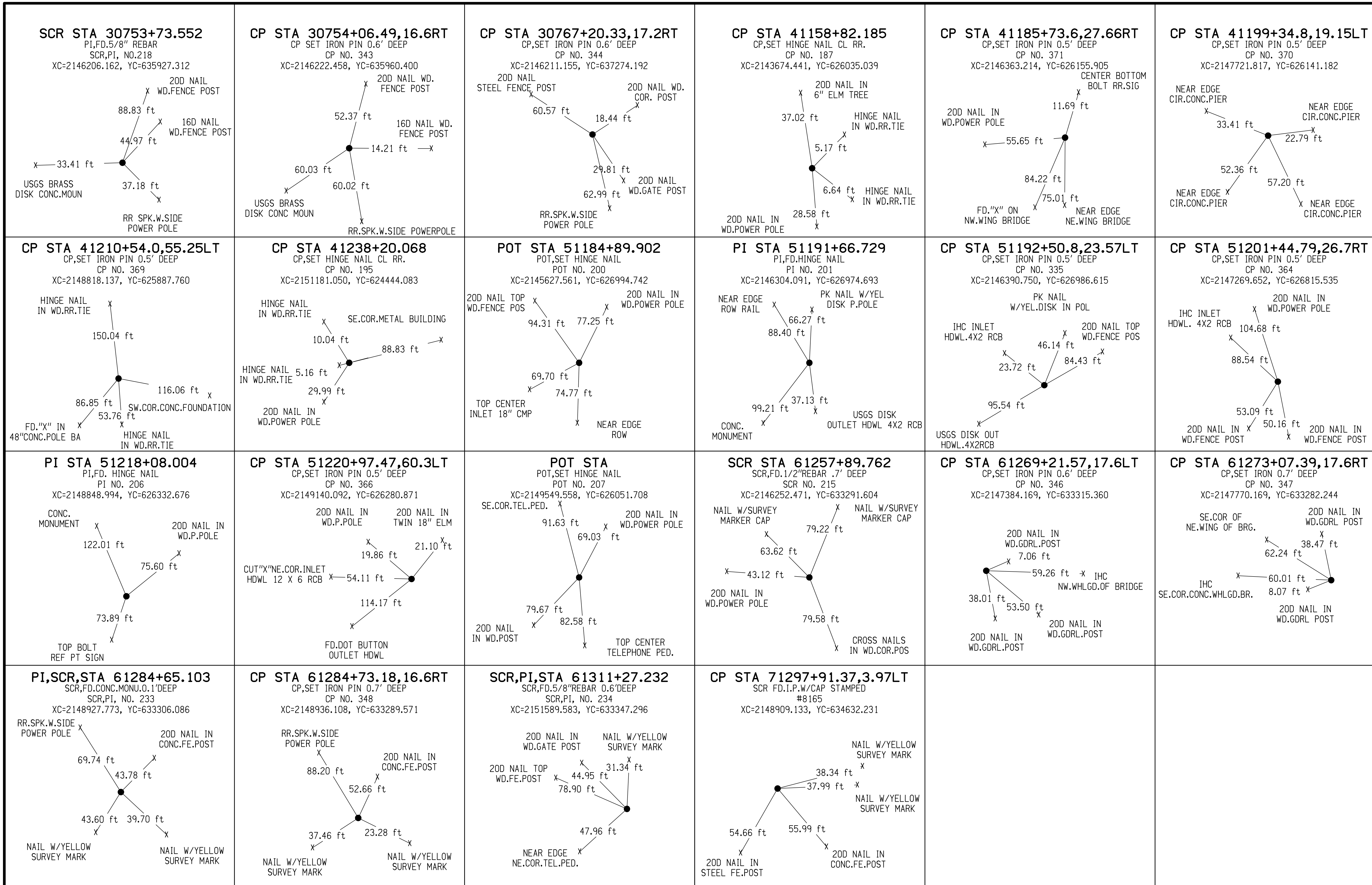


CP STA 30727+39.61,13.0LT
CP,SET IRON PIN 0.8' DEEP
CP NO. 341
XC=2146227.007, YC=633293.419



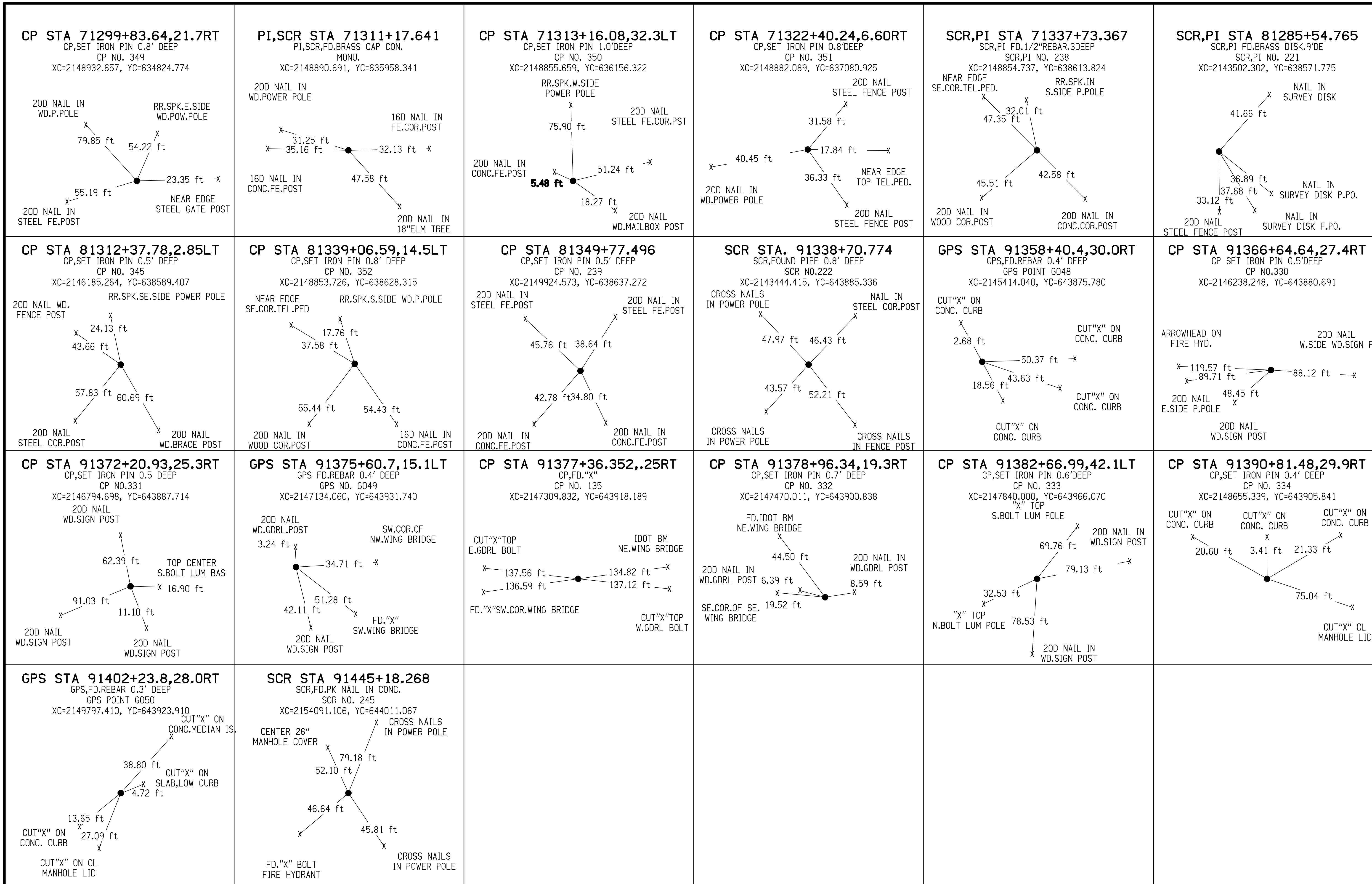
CP STA 30740+69.31,17.3RT
CP,SET IRON PIN 0.5' DEEP
CP NO. 342
XC=2146240.250, YC=634623.400





FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller		JOHNSON COUNTY	PROJECT NUMBER NHS-380-6(337)2--11-52	SHEET NUMBER G.7

1:20:16 PM 6/24/2016 rmille3 pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\5238001016\Design\52380337_G1.sht



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller		JOHNSON COUNTY	PROJECT NUMBER NHS-380-6(337)2--11-52	SHEET NUMBER G.8

1:20:18 PM 6/24/2016 rmille3 pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\5238001016\Design\52380337_G1.sht

Survey Information

June/July 2015 Additional Survey Part 2
Johnson County
IM-380-6(302)2--13-52
I-380 & West Forevergreen Road Survey 2 miles north of I-80
in Coralville, North Liberty and Tiffin SAP 0411.6
PIN 14-52-380-004

Vertical Datum

This survey is relative to NAVD88 vertical datum.

A level loop originated and terminated on BM 607. BM#607 & BM#608 were held fixed vertically in a bench level loop. that was carried easterly along Forevergreen road to Just East of Ia 965.

BM	#607 This survey	EL=804.763
=BM	#607 IDOT 2003 Survey	EL=804.763
BM	#608 This survey	EL=804.915
=BM	# 37 1986 AB Plan F-518-4(12)--20-52 (29 Datum)	EL=804.85

Horizontal Datum

Control used in Previous IDOT surveys was used on this project.

For additional coordinate information refer to a IDOT Preliminary Survey document called "Johnson80_380rep.doc" to determine the relationships between the survey control and state plane control coordinates on this project.

Alignment Information

Jasper Ave SR "C" found in the original survey, File H0411C1.ali, was renamed to SURJASPER.ali.
Forevergreen Road SR "F" found in the original survey, File H0411F1.ali, was extended East and renamed to SURFOREVERGREEN.ali, I-380 ML alignment found in the original survey, File H0411ML1.ali, was renamed to SURI380.ali,
Kansas Ave NE alignment found in the original survey, File 0411G1.ali was renamed to SURKANSAS.ali
270th Street NE alignment found in the original survey, File0411H1.ali was renamed to SUR270thNE.ali
SURIa965.ali alignment found in this survey is a new alignment along State Hwy Ia 965.

The SURFOREVERGREEN.ali file found in the 2003 IDOT survey was extended east to the EOP of this survey. The EOP of this survey is just East of Sara Ct.

Alignment Equations:

CP 216 =
=PI Sta 61257+77.309 Forevergreen Rd IDOT 2003 Survey
=PI Sta 61257+77.309 Forevergreen Rd This Survey
=PI Sta 30727+37.559 Jasper Rd IDOT 2003 Survey
=PI Sta 30727+37.559 Jasper Rd This Survey

CP 128
=POT 61271+14.248 Forevergreen Rd IDOT 2003 Survey
=POT 61271+14.248 This Survey
=POST 11271+12.02 (1.84' South of PI Sta 11271+13.86) I-380 IDOT 2003 Survey
=POST 11271+12.02 (1.84' South of PI Sta 11271+13.86) This Survey

Ia 965 Alignment Equations:

CP 98
=POT Sta 94+13.561 This Survey
=POT Sta 94+13.8 Ia 153 AB Plans

CP 95
=PI Sta 130+14.200 This Survey
=PI Sta 130+14.2 Ia 153 AB Plans

CP 104
=PI Sta 158+85.017 This Survey
=PI Sta 158+84.6 Ia 153 AB Plans

VERTICAL CONTROL

West Forevergreen Rd Stationing

BENCHMARKS						ELEVATION
----------						---------
No. 636	Sta. 61284+29.098	58.441 Lt.	Y: 633364.331	X:2148891.452	Set RR Spk S Side PP-------------------	782.476
No. 637	Sta. 61290+28.323	27.984 Lt.	Y: 633342.785	X:2149490.492	Set RR Spk S Side PP-------------------	800.033
No. 638	Sta. 61297+79.576	29.256 Lt.	Y: 633355.687	X:2150241.635	Set RR Spk S Side PP-------------------	772.659
No. 639	Sta. 61305+88.321	30.207 Lt.	Y: 633369.157	X:2151050.269	Set RR Spk S Side PP-------------------	779.646
No. 640	Sta. 61313+09.906	31.292 Lt.	Y: 633381.843	X:2151771.669	Set RR Spk S Side PP-------------------	774.634
No. 641	Sta. 61321+73.594	33.198 Lt.	Y: 633399.164	X:2152635.185	Fd RR Spk S Side PP--------------------	750.685
No. 642	Sta. 61326+40.585	33.867 Lt.	Y: 633408.168	X:2153102.090	Fd RR Spk S Side PP--------------------	755.425
No. 643	Sta. 61331+30.345	35.405 Lt.	Y: 633418.447	X:2153591.745	Fd RR Spk S Side PP--------------------	758.866
No. 644	Sta. 61337+12.068	27.789 Rt.	Y: 633365.646	X:2154174.503	Cut X SE Bolt F Hyd--------------------	753.786
No. 645	Sta. 61343+21.111	28.132 Lt.	Y: 633423.856	X:2154782.989	Set RR Spk S Side PP-------------------	774.215
No. 646	Sta. 61348+50.346	29.168 Lt.	Y: 633425.788	X:2155312.222	Set RR Spk S Side PP-------------------	771.919
No. 647	Sta. 61358+51.817	28.203 Lt.	Y: 633426.505	X:2156313.693	Set RR Spk S Side PP-------------------	778.545
No. 648	Sta. 61371+61.573	42.304 Lt.	Y: 633441.363	X:2157623.509	Set RR Spk S Side PP-------------------	782.625
No. 650	Sta. 61365+61.016	28.543 Lt.	Y: 633427.791	X:2157022.948	Cut X NW Bolt F Hyd--------------------	783.793

Ia 965 Stationing

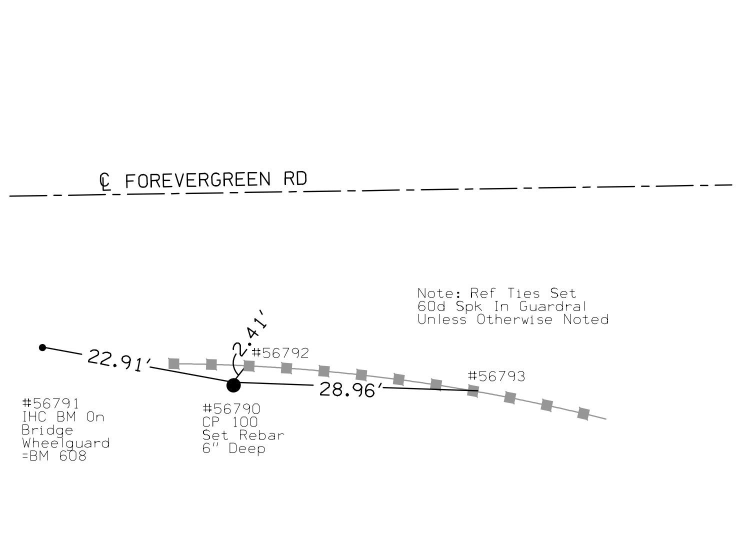
BENCHMARKS						ELEVATION

No. 649	Sta. 140+01.907	1204.768 Rt.	Y: 633379.066	X:2158131.345	Set MAG NAIL on 5x4 intake----------	778.695

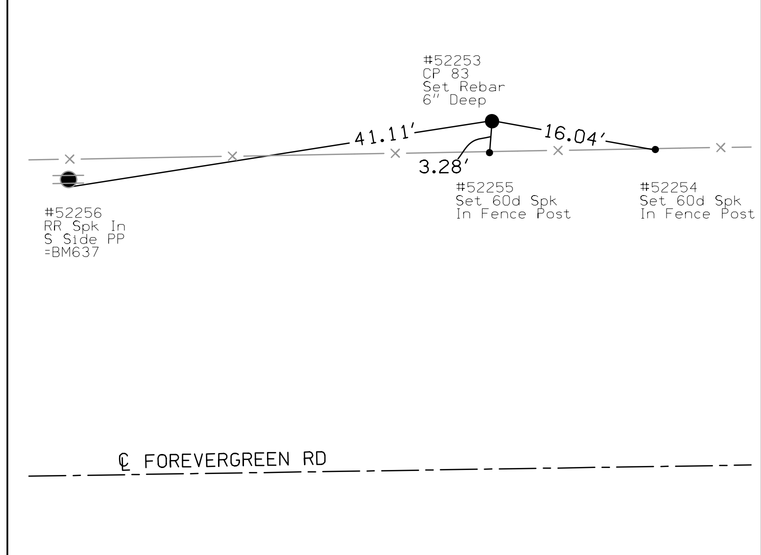
FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller	JOHNSON COUNTY	PROJECT NUMBER NHS-380-6(337)2--11-52	SHEET NUMBER G.9

1:20:19 PM 6/24/2016 rmille3 pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\5238001016\Design\52380337_G1.sht

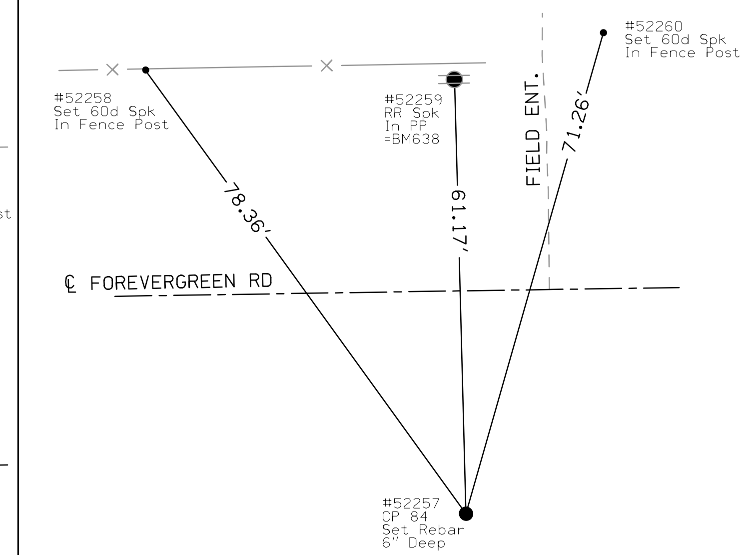
C.P. STA 61272+69.94 RIGHT 19.43
C.P. 100, Set 5/8" Rebar 6" Deep
N=633280.186 E=2147732.728



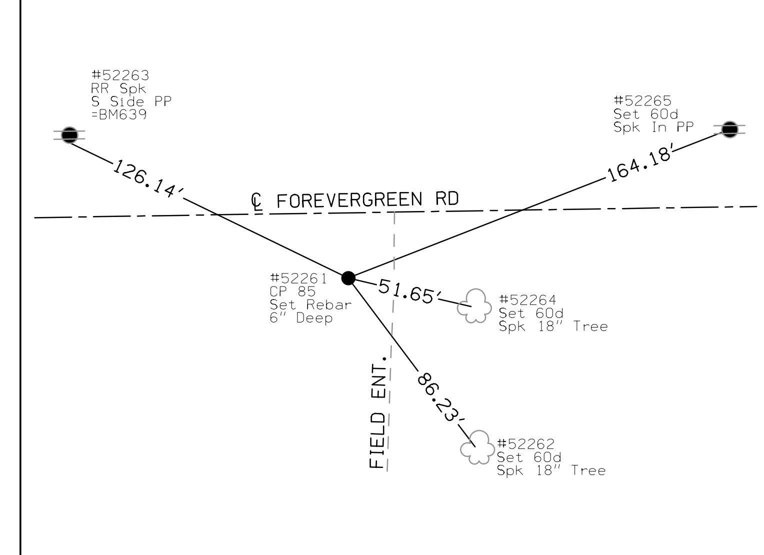
C.P. STA 61290+69.03 LEFT 33.73
C.P. 83, Set 5/8" Rebar 6" Deep
N=633349.161 E=2149531.105



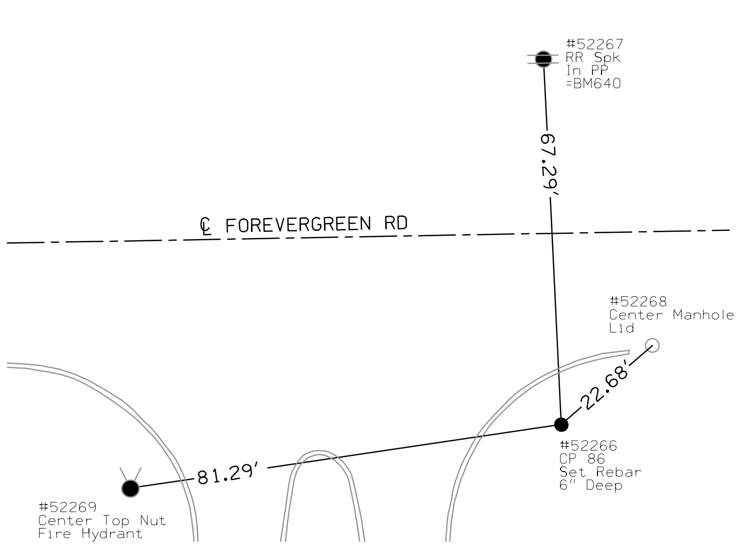
C.P. STA 61297+80.24 RIGHT 31.91
C.P. 84, Set 5/8" Rebar 6" Deep
N=633294.538 E=2150243.245



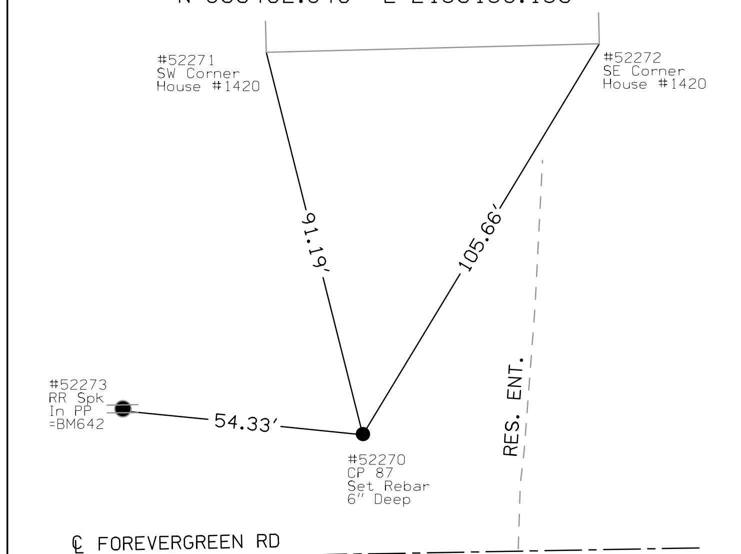
C.P. STA 61307+00.91 RIGHT 26.68
C.P. 85, Set 5/8" Rebar 6" Deep
N=633314.025 E=2151163.721



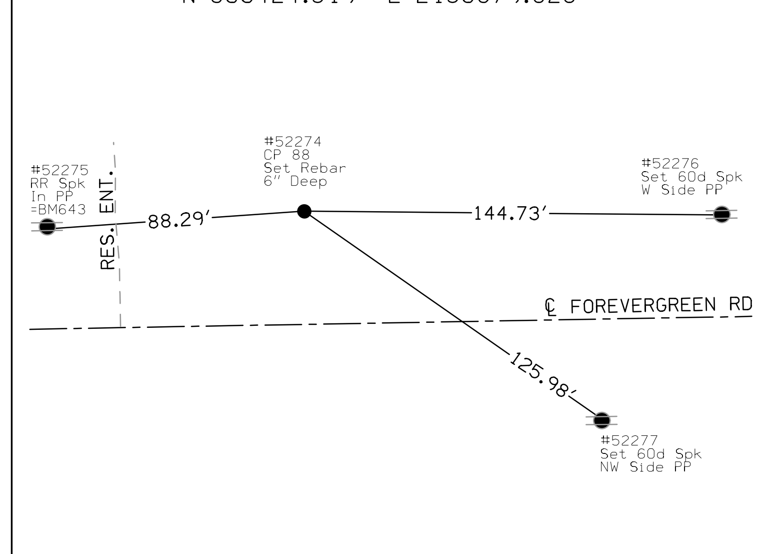
C.P. STA 61313+11.95 RIGHT 35.97
C.P. 86, Set 5/8" Rebar 6" Deep
N=633314.628 E=2151774.909



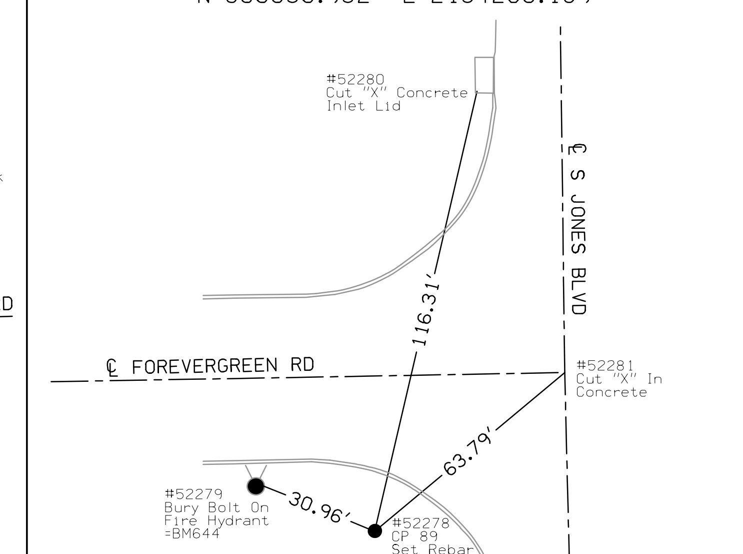
C.P. STA 61326+94.54 LEFT 27.58
C.P. 87, Set 5/8" Rebar 6" Deep
N=633402.840 E=2153156.153



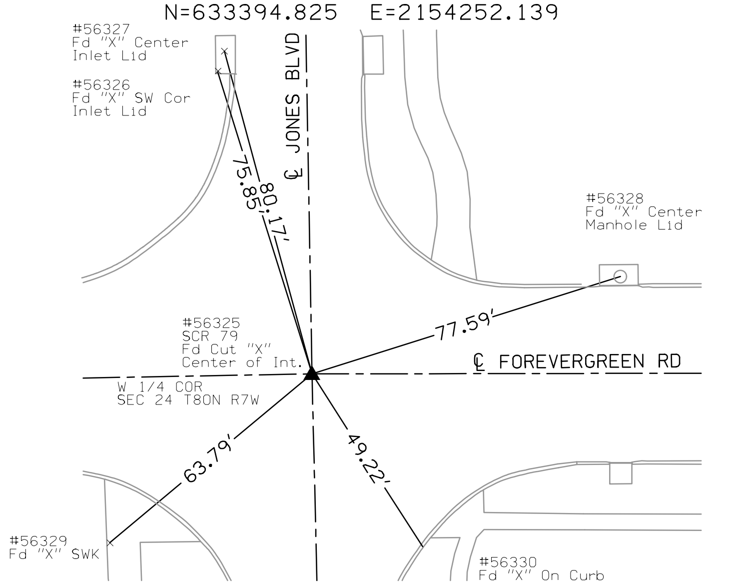
C.P. STA 61332+18.52 LEFT 39.90
C.P. 88, Set 5/8" Rebar 6" Deep
N=633424.519 E=2153679.828



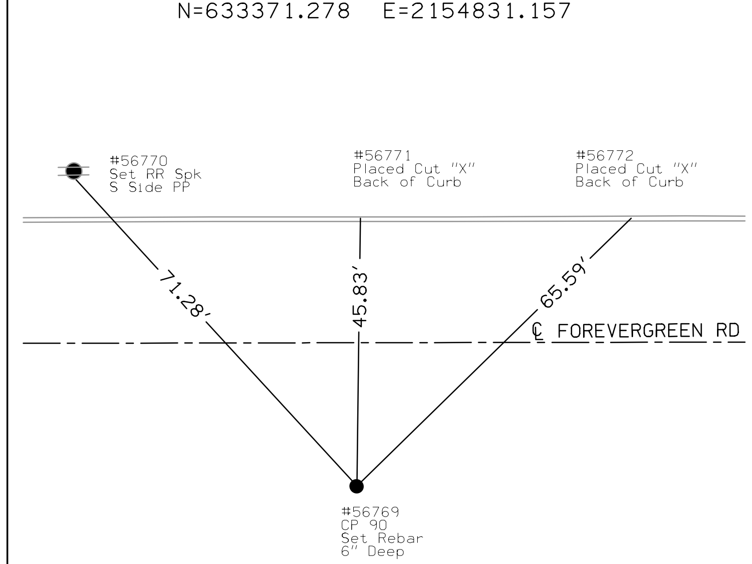
C.P. STA 61337+40.52 RIGHT 39.99
C.P. 89, Set 5/8" Rebar 6" Deep
N=633353.952 E=2154203.169



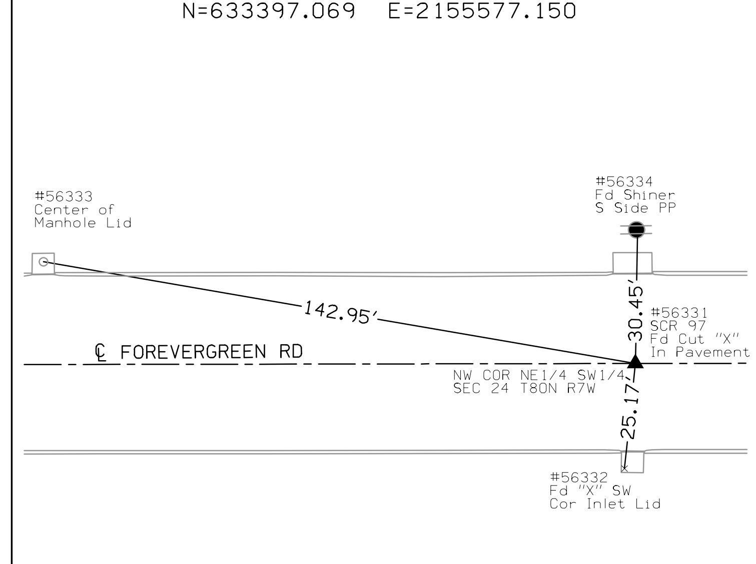
SCR STA 61337+90.21 LEFT 00.00
SCR 79, Fd Cut "X" In Slab
N=633394.825 E=2154252.139



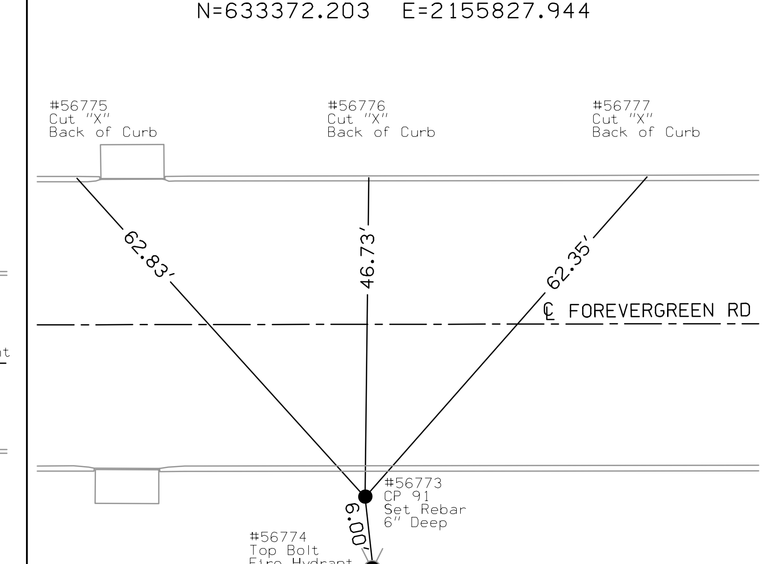
C.P. STA 61343+69.19 RIGHT 24.53
C.P. 90, Set 5/8" Rebar 6" Deep
N=633371.278 E=2154831.157



SCR STA 61351+15.23 RIGHT 00.00
SCR 97, Fd Cut "X" In Slab
N=633397.069 E=2155577.150



C.P. STA 61353+65.98 RIGHT 25.29
C.P. 91, Set Rebar 6" Deep
N=633372.203 E=2155827.944



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller		JOHNSON COUNTY	PROJECT NUMBER NHS-380-6(337)2--11-52	SHEET NUMBER G.10

C.P. STA 61364+04.10 RIGHT 43.77
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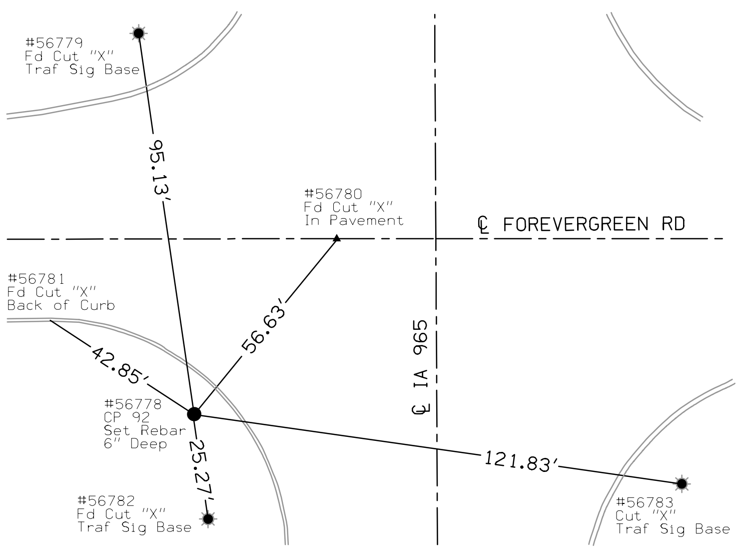
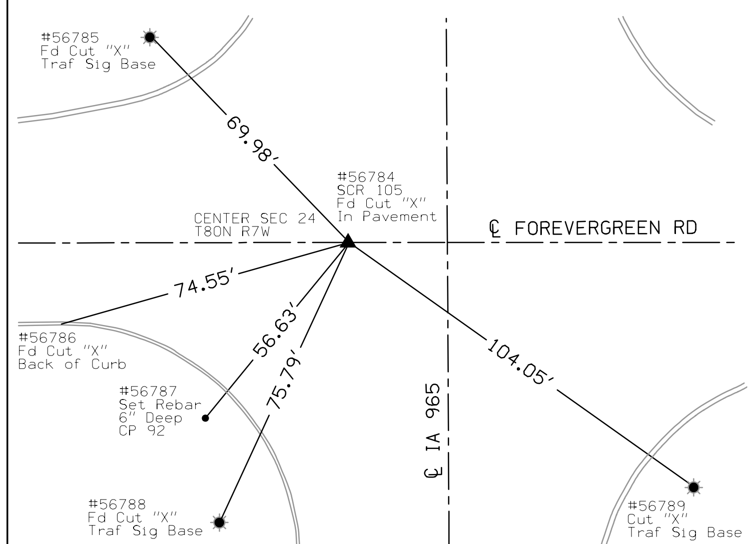
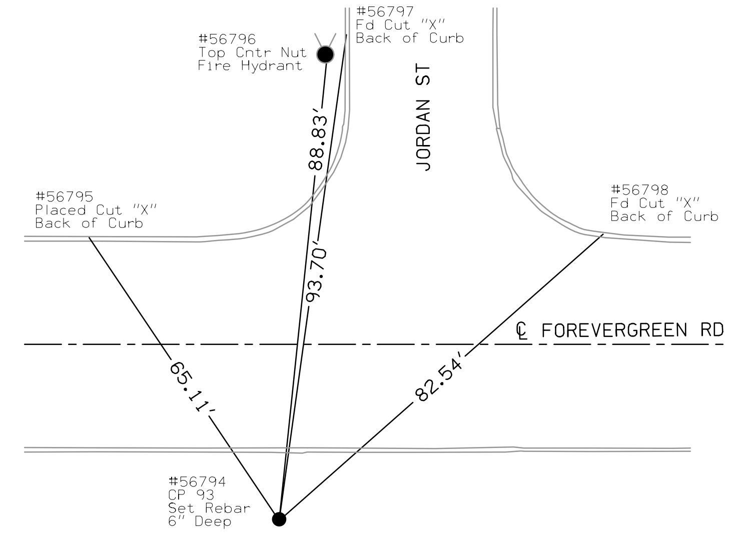
N=633355.456 E=2156866.093



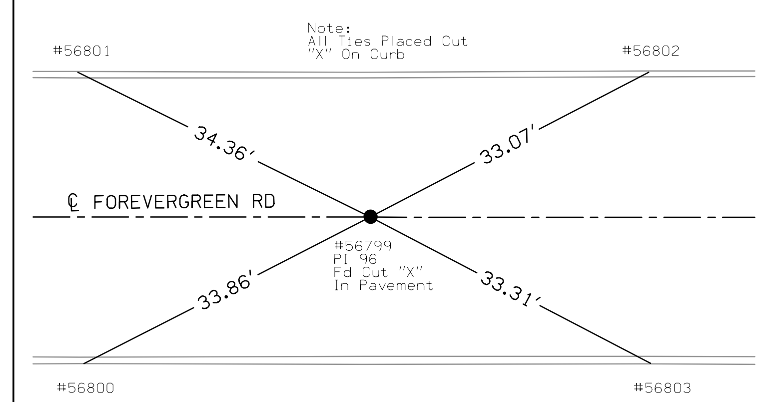
SCR STA 61364+40.03 RIGHT 00.00
SCR 105, Fd Cut "X" In Slab
N=633399.286 E=2156901.952



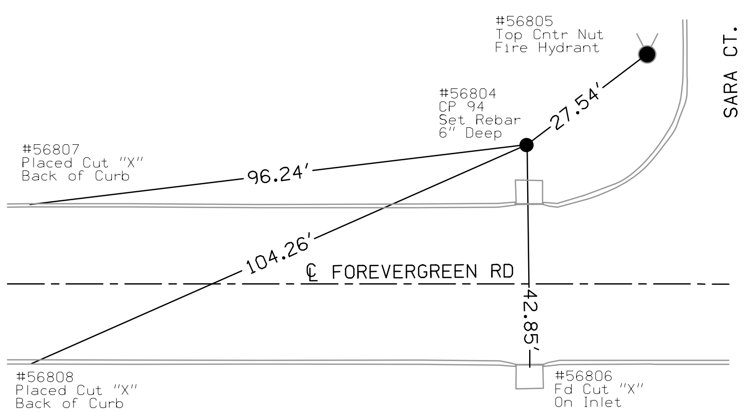
C.P. STA 61368+36.24 RIGHT 33.67
C.P. 93, Set Rebar 6" deep
N=633365.494 E=2157298.149



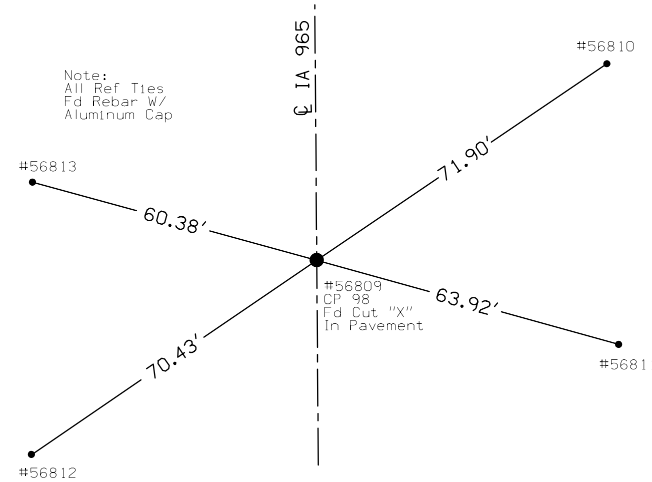
P.I. STA 61373+44.68 RIGHT 00.00
P.I. 96, Fd Cut "X" In Slab
N=633399.001 E=2157806.600



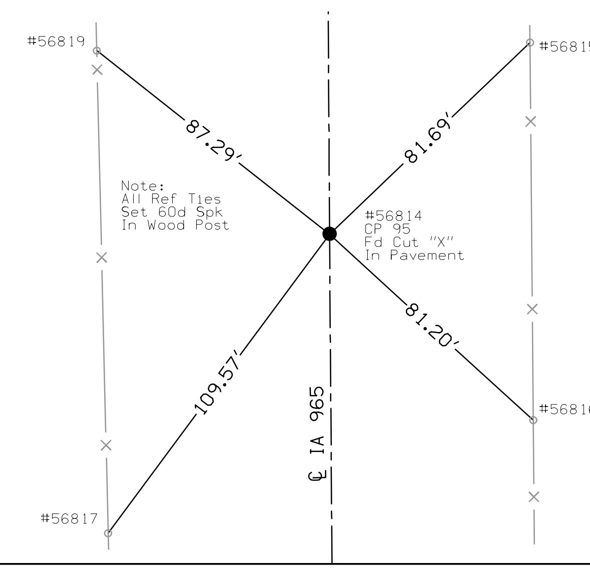
C.P. STA 61374+69.56 LEFT 26.83
C.P. 94, Set Rebar 6" deep
N=633425.788 E=2157931.495



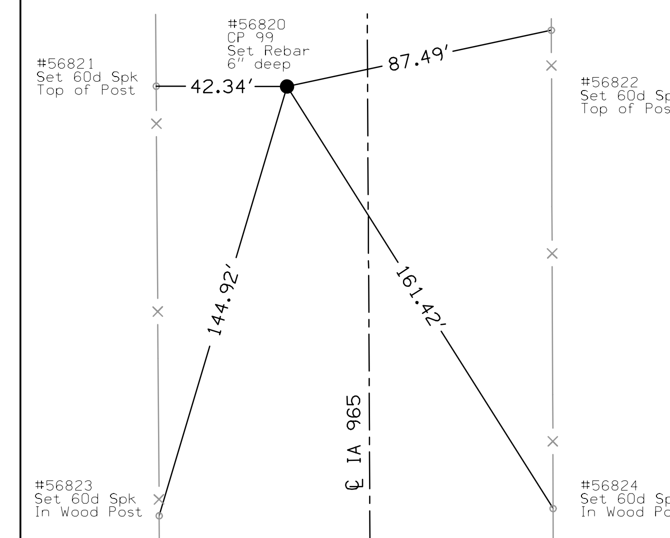
C.P. STA 94+13.56 RIGHT 00.00
C.P. 98, Fd "X" In Slab
N=628784.507 E=2156959.260



C.P. STA 130+14.20 RIGHT 00.00
C.P. 95, Fd "X" In Slab
N=632385.042 E=2156931.876



C.P. STA 132+07.33 LEFT 26.10
C.P. 99, Set Rebar 6" Deep
N=632578.025 E=2156904.741



C.P. STA 147+90.19 LEFT 34.74
C.P. 101, Set Rebar 6" Deep
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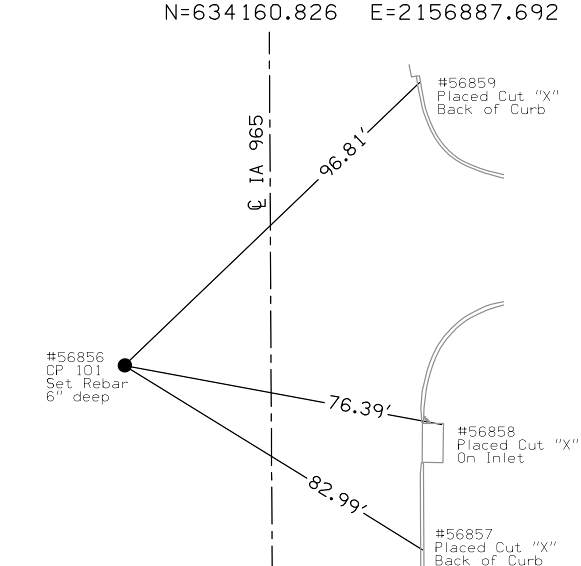
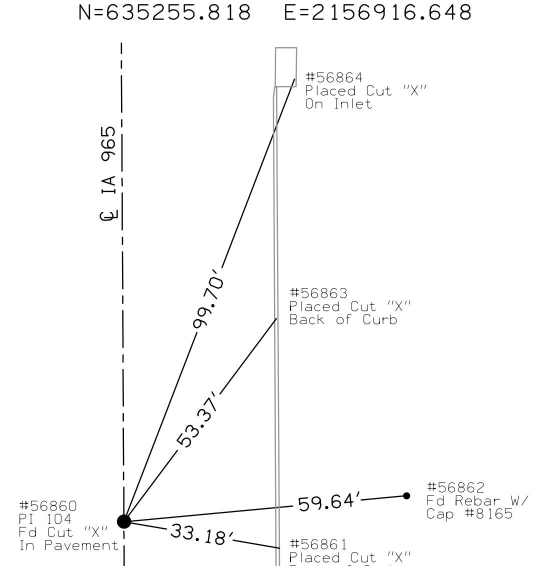
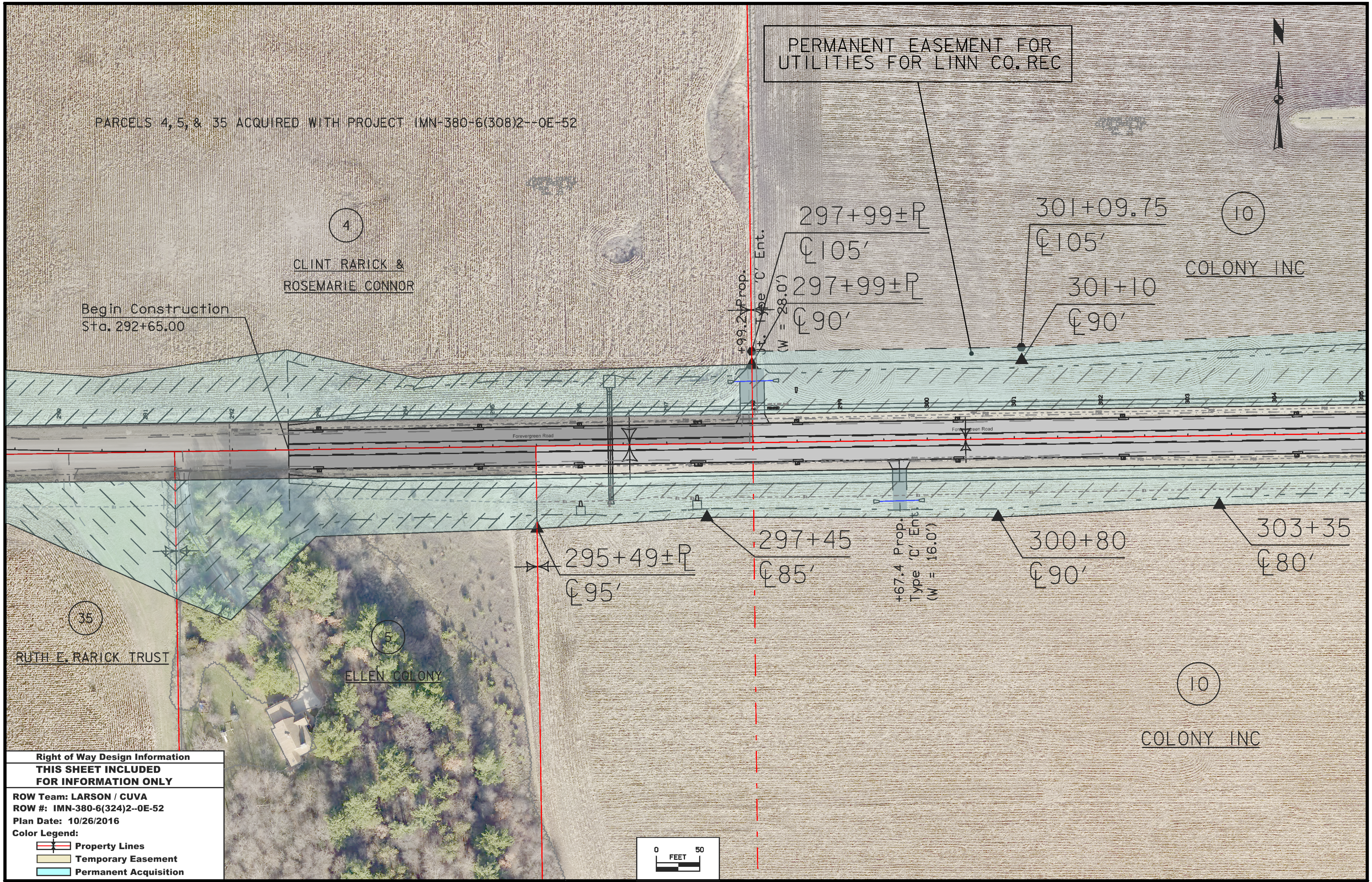


P.I. STA 158+85.02 RIGHT 00.00
P.I. 104, Fd Cut "X" In Slab
N=635255.818 E=2156916.648

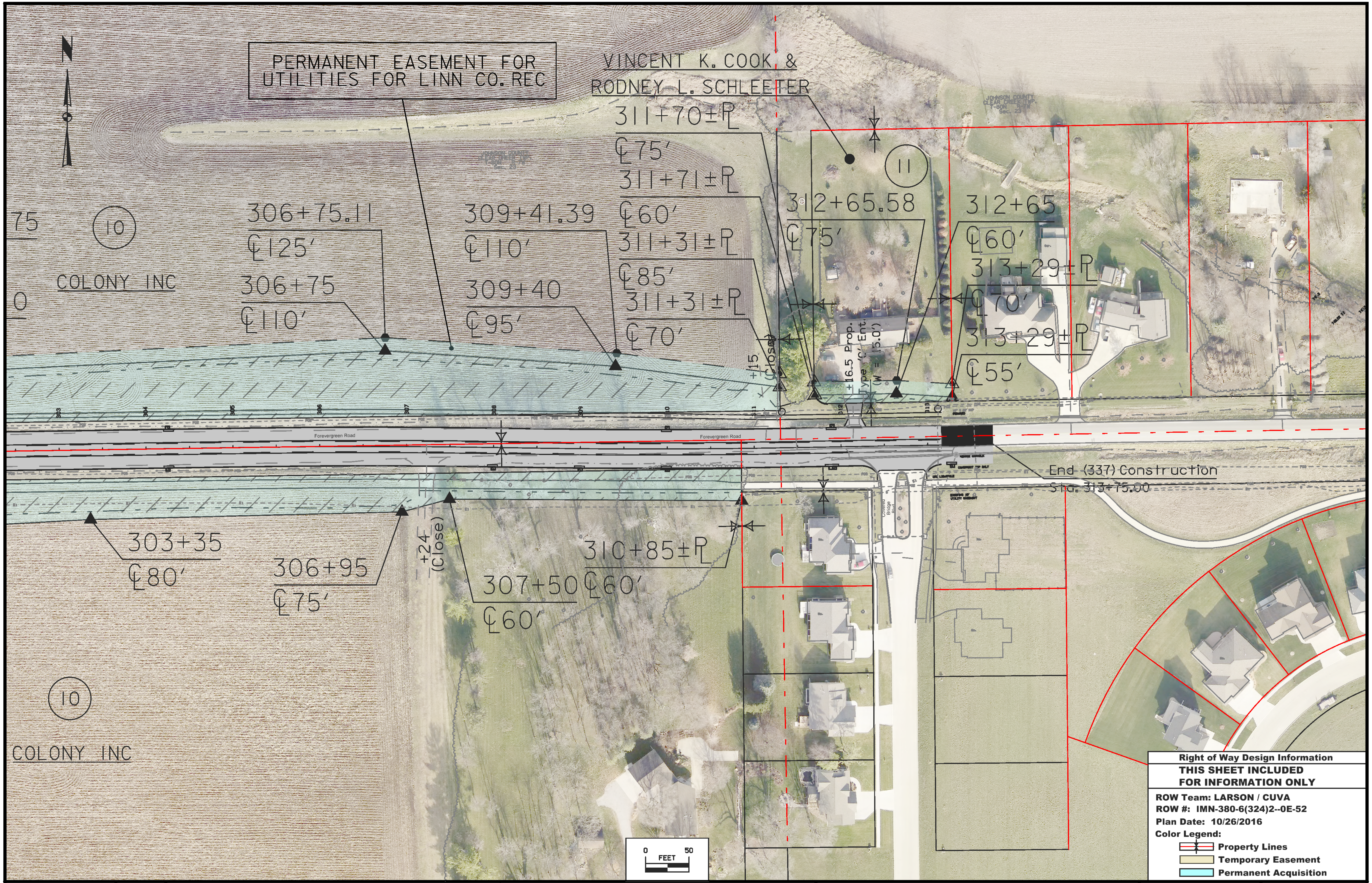


Johnson	ROW: IMN-380-6(324)2--0E-52				PIN	16-52-380-010														
	W Forevergreen Rd in North Liberty from E of Kansas Ave to S Jones Blvd																			
		STATE			COUNTY			CITY				BORROW								
PARCEL NO.	OWNER NAME	FEE	EASE		FEE	EASE		FEE	EASE		EXCESS	FEE	T.E.	MITIGATION	OTHER	HOUSE	BUILDING(S)	A/C ONLY	TOTAL ACQ.	
10	Colony INC. - Fee							3.49 AC							.46 AC					
11	Rodney L. Schleeter - Fee Vincent K. Cook - Fee							.03 AC							.05 AC					
2 Parcels	"TOTALS	0 AC	0 AC		0 AC	0 AC		3.52 AC	0 AC		0 AC	0 AC	0 AC	0 AC						
		0 SF		0 SF	0 SF		0 SF	0 SF		0 SF	0 SF									



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller	JOHNSON COUNTY	PROJECT NUMBER NHS-380-6(337)2--11-52	SHEET NUMBER H.01

2:00:00 PM 10/26/2016 jlarso1 pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\5238001016\ROW\52380324H01.sht



Right of Way Design Information

THIS SHEET INCLUDED FOR INFORMATION ONLY

ROW Team: LARSON / CUVA
ROW #: IMN-380-6(324)2--0E-52
Plan Date: 10/26/2016
Color Legend:
- Property Lines
- Temporary Easement
- Permanent Acquisition

FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller	JOHNSON COUNTY	PROJECT NUMBER NHS-380-6(337)2--11-52	SHEET NUMBER H.02

2:01:47 PM 10/26/2016 jlarsol pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\5238001016\ROW\52380324H01.sht

CROSS SECTION VIEW COLOR LEGEND OF TRAFFIC CONTROL AND STAGING SHEETS

SHADING	Design Color No.	
Green, Light	(225)	Existing Pavement Shading
Gray, Light	(48)	Previously Constructed Pavement Shading
Gray, Med	(80)	Previously Constructed Granular Surface Shading
Blue, Light	(230)	Proposed Pavement Shading
Lavender	(9)	Temporary Pavement Shading
Brown, Med	(237)	Future Proposed Pavement Shading

CROSS SECTION VIEW PATTERN AND SYMBOL LEGEND OF TRAFFIC CONTROL AND STAGING SHEETS

Pavement Removal	Proposed Granular Shoulder
Proposed Granular Subbase	Temporary Shoulder
Proposed Special Backfill	Existing Shoulder Strengthening
Temporary Barrier Rail	Permanent Barrier Rail
	Channelizing Device

PLAN VIEW COLOR LEGEND OF TRAFFIC CONTROL AND STAGING SHEETS

LINEWORK	Design Color No.	
Green	(2)	Existing Topographic Features and Labels
Magenta	(5)	Pavement Marking Call Outs
Blue	(1)	Proposed Alignment, Stationing, Tic Marks, and Alignment Annotation
Yellow	(4)	Pavement Markings, Yellow
Off White	(254)	Pavement Markings, White
Violet	(15)	Temporary barrier rail, Unpinned
Flush Orange	(228)	Temporary barrier rail, Pinned

SHADING	Design Color No.	
Green, Light	(225)	Existing Pavement Shading
Gray, Light	(48)	Previously Constructed Pavement Shading
Gray, Med	(80)	Proposed Granular Surface Shading
Gray, Med	(80)	Previously Constructed Granular Surface Shading
Blue, Light	(230)	Proposed Pavement Shading
Lavender	(9)	Temporary Pavement Shading
Brown, Light	(236)	Proposed Grading Limits Shading
Pink, Dark	(13)	Proposed MSE or CIP Wall Shading
Red	(3)	Proposed Bridge Shading and Sign Trusses
Black w/Gray, Light Fill	(0,48)	Previously Constructed Structure

PLAN VIEW PATTERN AND SYMBOL LEGEND OF TRAFFIC CONTROL AND STAGING SHEETS

Channelizing Device	Crash Cushion (Temp or Perm)
Drum	Traffic Signal
Temporary Lane Separator	Flagger
Tubular Marker	Temporary Floodlighting
Channelizer Marker	Traffic Sign
Concrete Barrier Marker	Type III Barricade
Delineator	Type A Warning Light
Temporary Barrier Rail	Direction of Traffic
Pavement Removal	Safety Closure
Sand Barrel Layout	Lane Identification

NOTE: Device spacing according to Standard Road Plans unless specifically dimensioned.

TRAFFIC CONTROL AND STAGING LEGEND AND SYMBOL INFORMATION SHEET

(COVERS SHEET SERIES J)

STAGE 1
Overview

FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller		JOHNSON COUNTY	PROJECT NUMBER NHS-380-6(337)2--11-52	SHEET NUMBER J.3

11:26:56 AM 6/29/2016 rmille3 pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\5238001016\Design\52380337_J3new.dgn

FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller	JOHNSON COUNTY	PROJECT NUMBER NHS-380-6(337)2--11-52	SHEET NUMBER J.4

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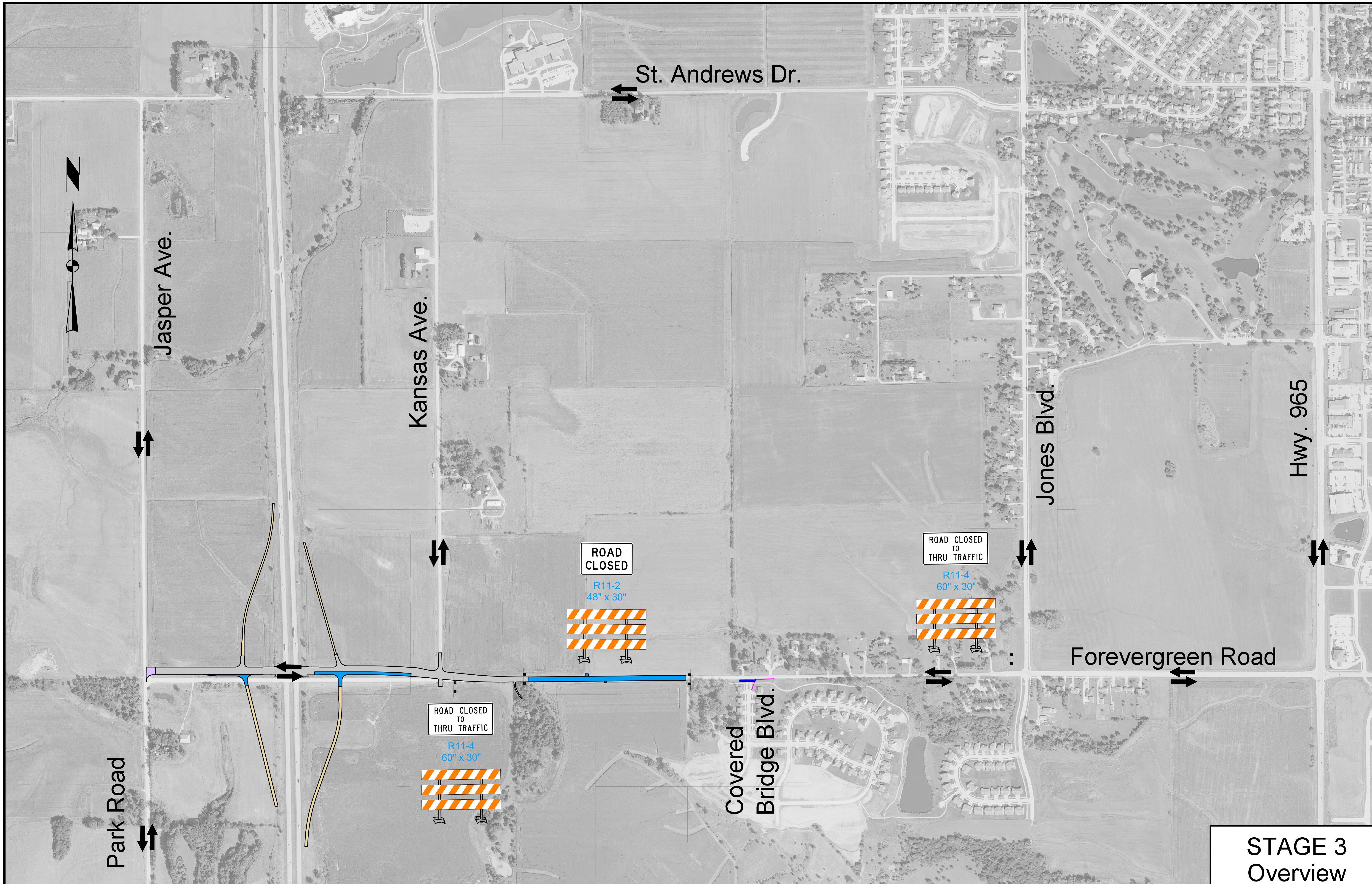

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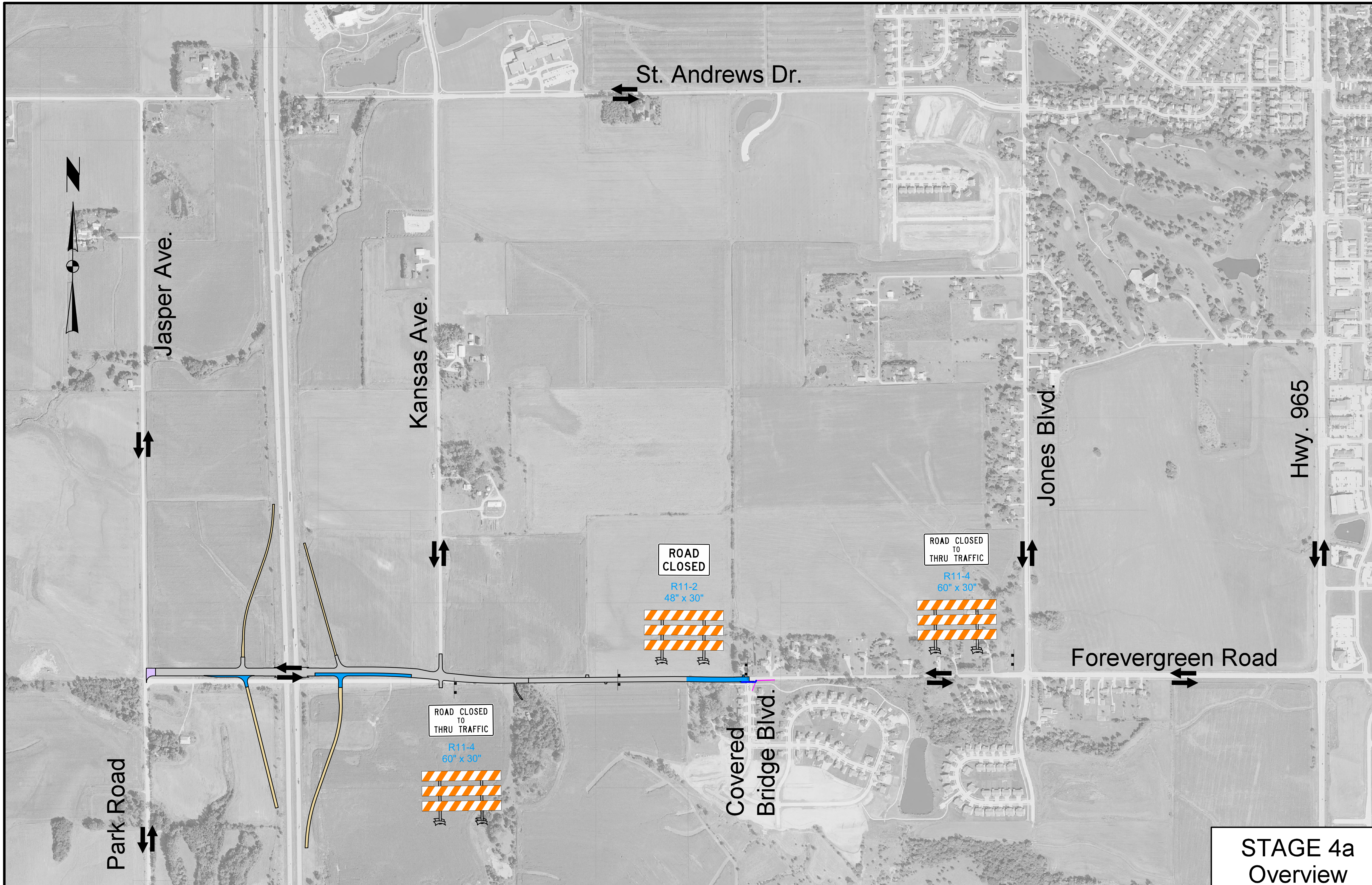


STAGE 4a
Overview

FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller	JOHNSON COUNTY	PROJECT NUMBER NHS-380-6(337)2--11-52	SHEET NUMBER J.6

STAGE 4b
Overview

FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller	JOHNSON COUNTY	PROJECT NUMBER NHS-380-6(337)2--11-52	SHEET NUMBER J.7

11:29:51 AM 6/29/2016 rmille3 pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\5238001016\Design\52380337_J3new.dgn

Stage 1a Traffic

- Through traffic on Forevergreen Road to remain open at all times.
- Temporary STOP signs to be placed at Forevergreen Road and Covered Bridge Blvd.
- Traffic on Covered Bridge Blvd. to be single-lane at entrance to Forevergreen Road.
- Traffic to alternate for entering/exiting Covered Bridge Blvd.

Stage 1a Construction

- Construct east half of storm sewer under Covered Bridge Blvd.
- Construct intake east of Covered Bridge Blvd. Connect existing storm sewer from south into new intake. Construct temporary tie-in to existing manhole.
- Place granular material to surface.

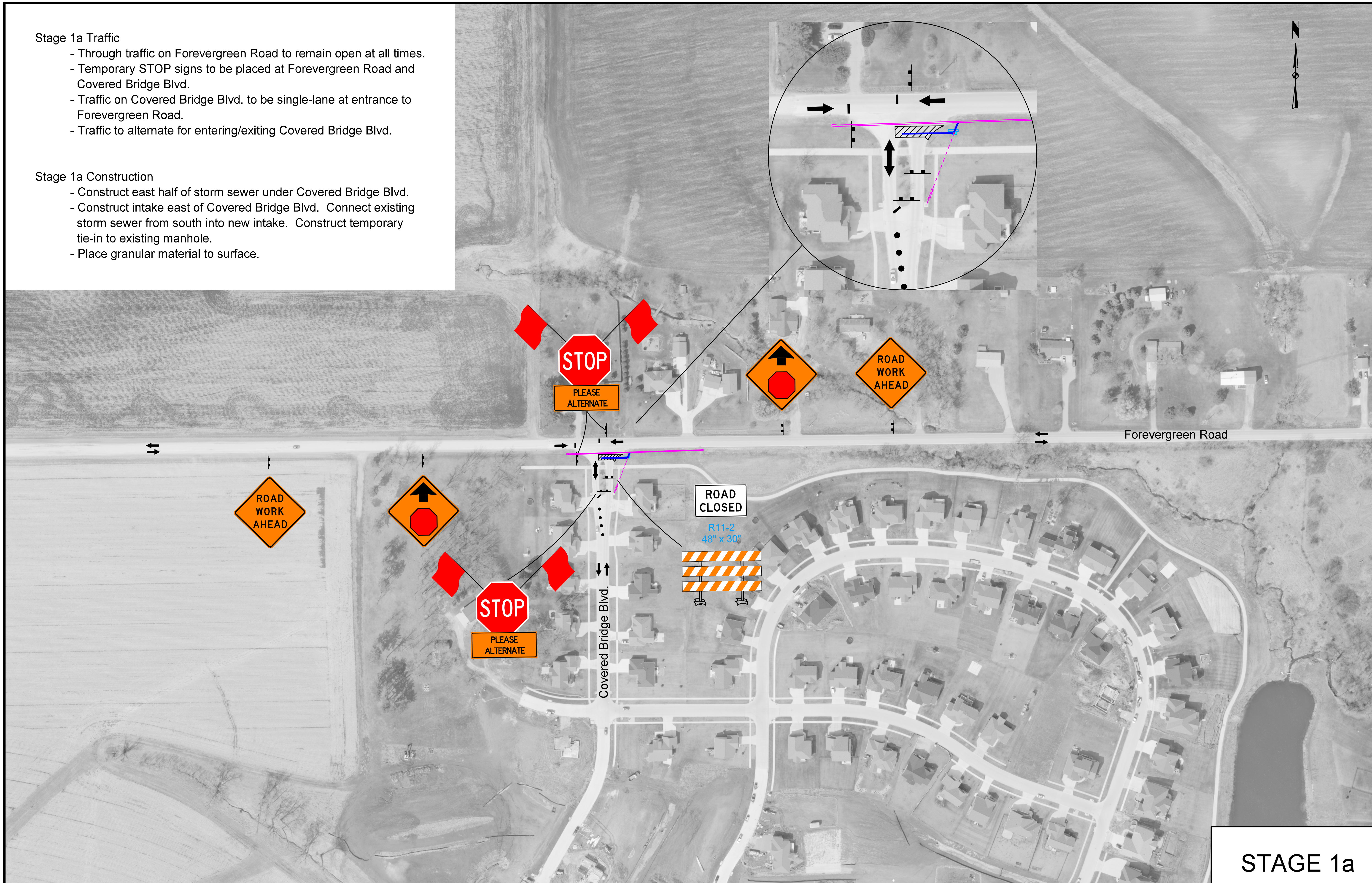
STAGE 1a

Stage 1a Traffic

- Through traffic on Forevergreen Road to remain open at all times.
- Temporary STOP signs to be placed at Forevergreen Road and Covered Bridge Blvd.
- Traffic on Covered Bridge Blvd. to be single-lane at entrance to Forevergreen Road.
- Traffic to alternate for entering/exiting Covered Bridge Blvd.

Stage 1a Construction

- Construct east half of storm sewer under Covered Bridge Blvd.
- Construct intake east of Covered Bridge Blvd. Connect existing storm sewer from south into new intake. Construct temporary tie-in to existing manhole.
- Place granular material to surface.



STAGE 1a

FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller	JOHNSON COUNTY	PROJECT NUMBER NHS-380-6(337)2--11-52	SHEET NUMBER J.9

11:30:34 AM 6/29/2016 rmille3 pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\5238001016\Design\52380337_J3new.dgn

Stage 1b Traffic

- Through traffic on Forevergreen Road to remain open at all times.
- Temporary STOP signs to be placed at Forevergreen Road and Covered Bridge Blvd.
- Traffic on Covered Bridge Blvd. to be single-lane at entrance to Forevergreen Road.
- Traffic to alternate for entering/exiting Covered Bridge Blvd.

Stage 1b Construction

- Construct west half of storm sewer under Covered Bridge Blvd.
- Construct intake west of Covered Bridge Blvd.
- Place granular material to surface.

STAGE 1b

FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller	JOHNSON COUNTY	PROJECT NUMBER NHS-380-6(337)2--11-52	SHEET NUMBER J.10

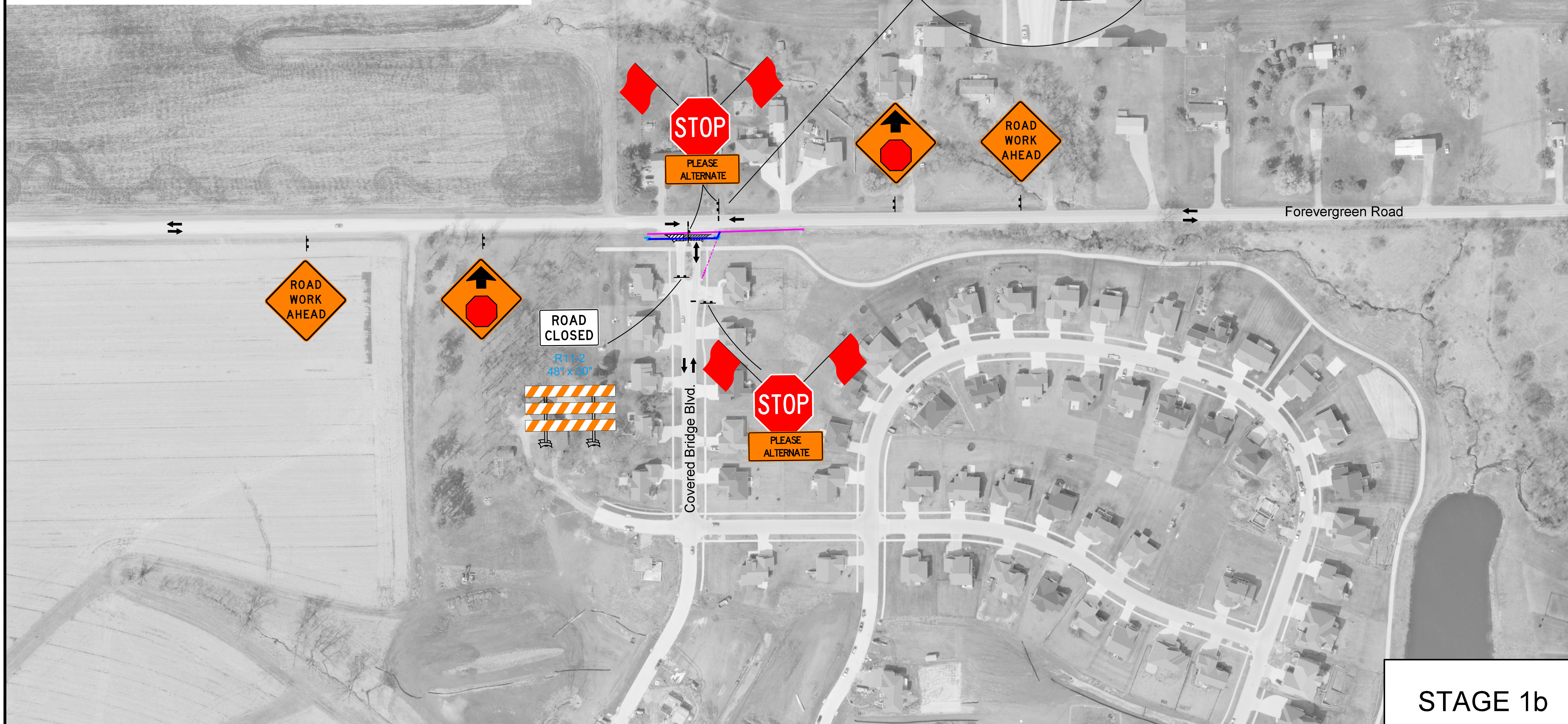
11:30:54 AM 6/29/2016 rmille3 pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\5238001016\Design\52380337_J3new.dgn

Stage 1b Traffic

- Through traffic on Forevergreen Road to remain open at all times.
- Temporary STOP signs to be placed at Forevergreen Road and Covered Bridge Blvd.
- Traffic on Covered Bridge Blvd. to be single-lane at entrance to Forevergreen Road.
- Traffic to alternate for entering/exiting Covered Bridge Blvd.

Stage 1b Construction

- Construct west half of storm sewer under Covered Bridge Blvd.
- Construct intake west of Covered Bridge Blvd.
- Place granular material to surface.



STAGE 1b

FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller	JOHNSON COUNTY	PROJECT NUMBER NHS-380-6(337)2--11-52	SHEET NUMBER J.11

11:31:18 AM 6/29/2016 rmille3 pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\5238001016\Design\52380337_J3new.dgn

Stage 3 Traffic

- Through traffic on Forevergreen Road to be closed.
- Forevergreen Road west of Kansas Ave. and east of Covered Bridge Blvd. to remain open at all times.
- Entrances west of Covered Bridge Blvd. to remain open.

Stage 3 Construction

- Construct Forevergreen Road.

STAGE 3

FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller	JOHNSON COUNTY	PROJECT NUMBER NHS-380-6(337)2--11-52	SHEET NUMBER J.12

Stage 3 Traffic
- Through traffic on Forevergreen Road to be closed.
- Forevergreen Road west of Kansas Ave. and east of Covered Bridge Blvd. to remain open at all times.
- Entrances west of Covered Bridge Blvd. to remain open.

Stage 3 Construction
- Construct Forevergreen Road.

STAGE 3

FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller	JOHNSON COUNTY	PROJECT NUMBER NHS-380-6(337)2--11-52	SHEET NUMBER J.13

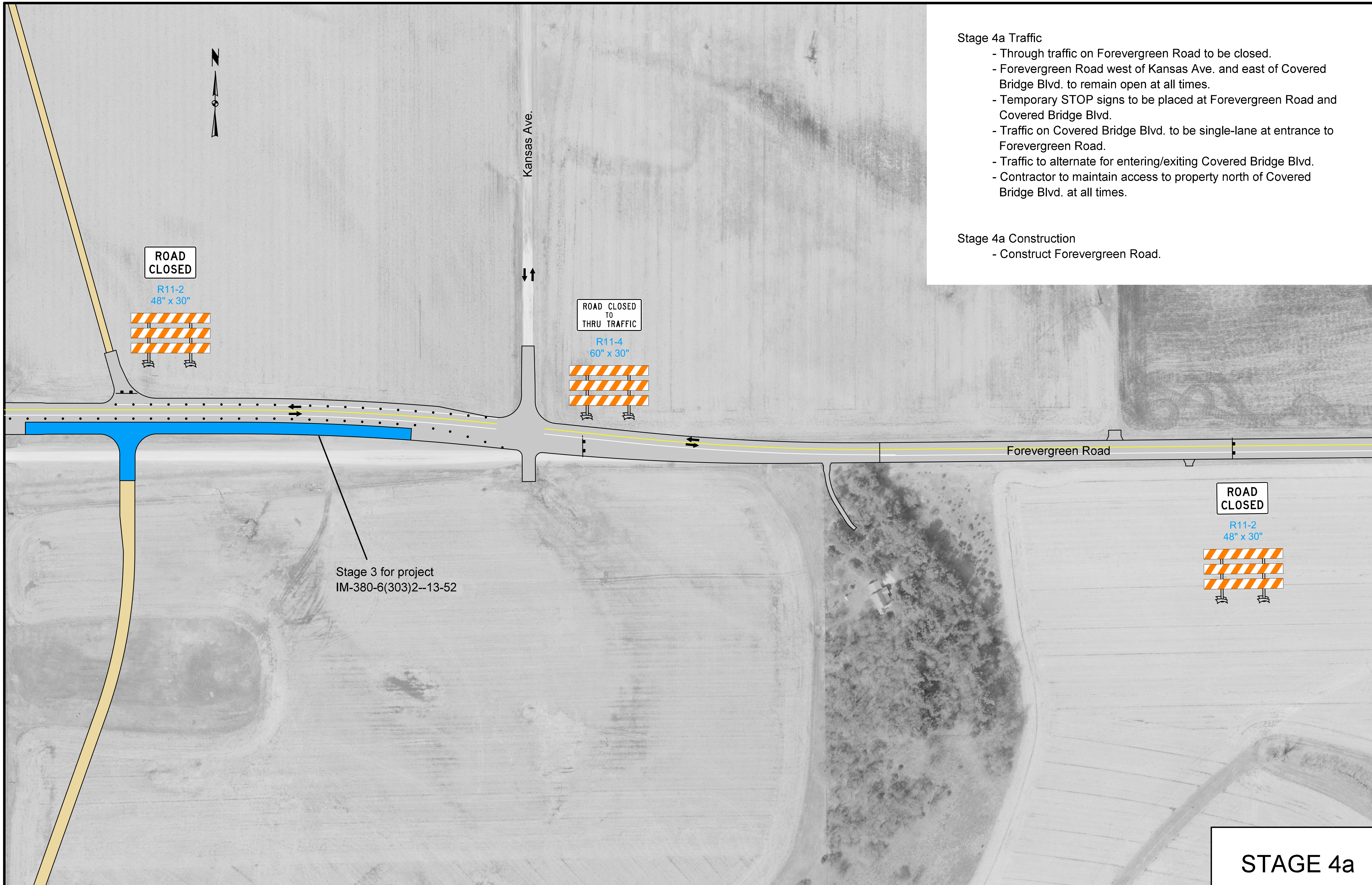
11:32:01 AM 6/29/2016 rmille3 pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\5238001016\Design\52380337_J3new.dgn

Stage 4a Traffic

- Through traffic on Forevergreen Road to be closed.
- Forevergreen Road west of Kansas Ave. and east of Covered Bridge Blvd. to remain open at all times.
- Temporary STOP signs to be placed at Forevergreen Road and Covered Bridge Blvd.
- Traffic on Covered Bridge Blvd. to be single-lane at entrance to Forevergreen Road.
- Traffic to alternate for entering/exiting Covered Bridge Blvd.
- Contractor to maintain access to property north of Covered Bridge Blvd. at all times.

Stage 4a Construction

- Construct Forevergreen Road.



STAGE 4a

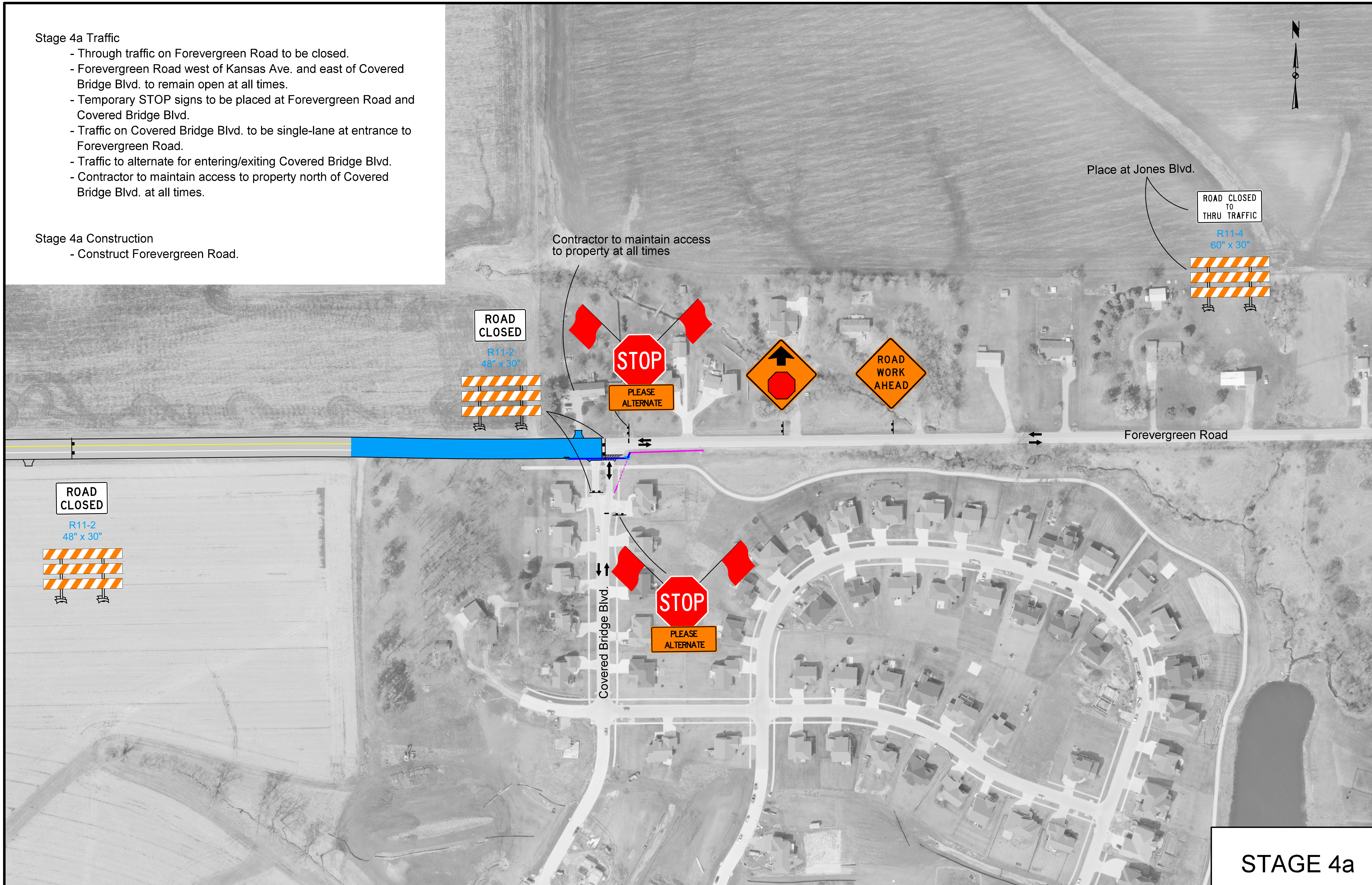
FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller	JOHNSON COUNTY	PROJECT NUMBER NHS-380-6(337)2--11-52	SHEET NUMBER J.14

Stage 4a Traffic

- Through traffic on Forevergreen Road to be closed.
- Forevergreen Road west of Kansas Ave. and east of Covered Bridge Blvd. to remain open at all times.
- Temporary STOP signs to be placed at Forevergreen Road and Covered Bridge Blvd.
- Traffic on Covered Bridge Blvd. to be single-lane at entrance to Forevergreen Road.
- Traffic to alternate for entering/exiting Covered Bridge Blvd.
- Contractor to maintain access to property north of Covered Bridge Blvd. at all times.

Stage 4a Construction

- Construct Forevergreen Road.



STAGE 4a

FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller	JOHNSON COUNTY	PROJECT NUMBER NHS-380-6(337)2--11-52	SHEET NUMBER J.15

11:32:41 AM 6/29/2016 rmille3 pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\5238001016\Design\52380337_J3new.dgn

Stage 4b Traffic

- Through traffic on Forevergreen Road to be closed.
- Forevergreen Road west and east of Covered Bridge Blvd. to remain open at all times.
- Temporary STOP signs to be placed at Forevergreen Road and Covered Bridge Blvd.
- Traffic on Covered Bridge Blvd. to be single-lane at entrance to Forevergreen Road.
- Traffic to alternate for entering/exiting Covered Bridge Blvd.
- Contractor to maintain access to property north of Covered Bridge Blvd. at all times.

Stage 4b Construction

- Construct Forevergreen Road.
- Construct Temporary Pavement east of Covered Bridge Blvd.

STAGE 4b

FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller	JOHNSON COUNTY	PROJECT NUMBER NHS-380-6(337)2--11-52	SHEET NUMBER J.16

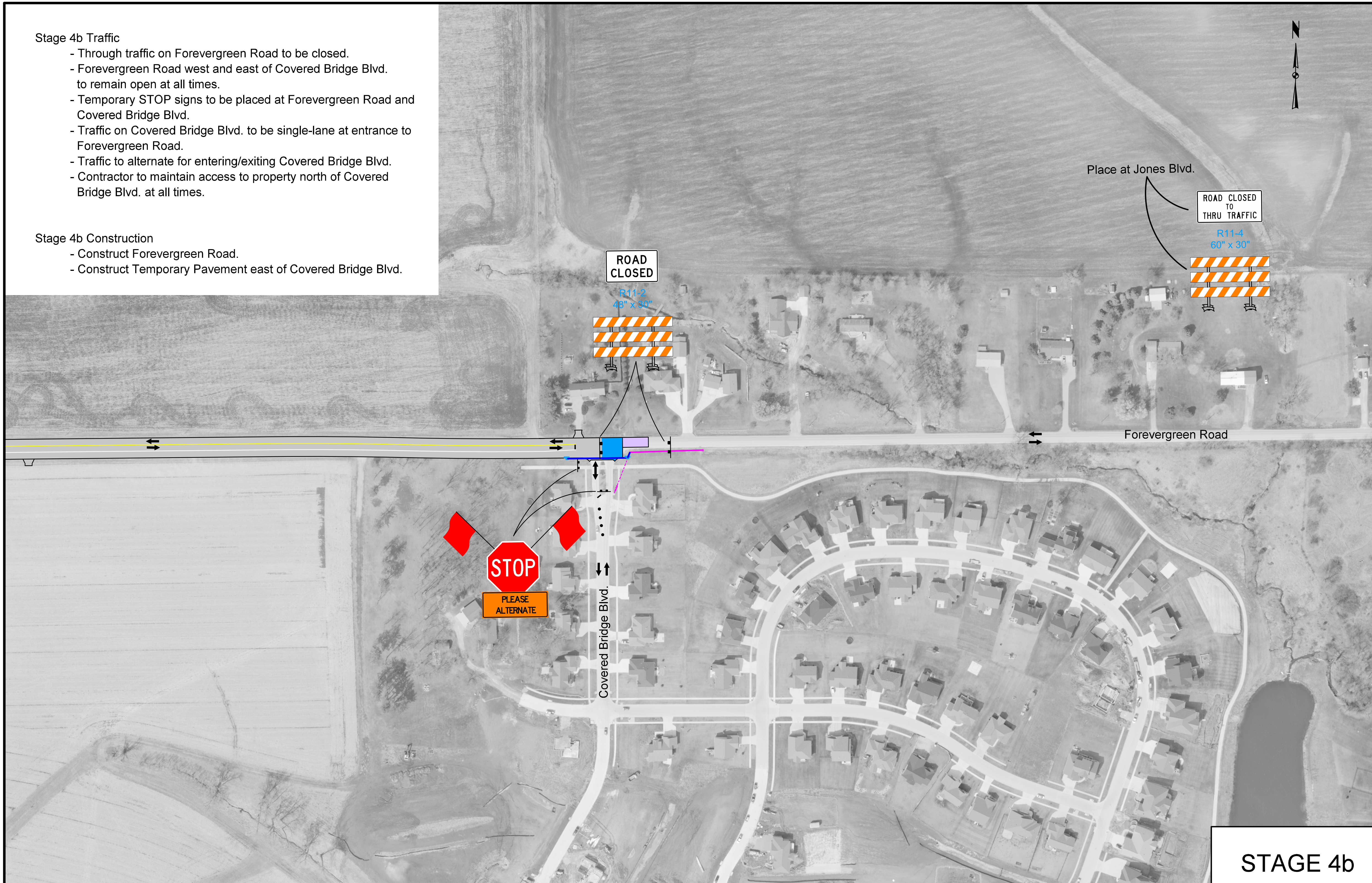
11:33:01 AM 6/29/2016 rmille3 pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\52380010l6\Design\52380337_J3new.dgn

Stage 4b Traffic

- Through traffic on Forevergreen Road to be closed.
- Forevergreen Road west and east of Covered Bridge Blvd. to remain open at all times.
- Temporary STOP signs to be placed at Forevergreen Road and Covered Bridge Blvd.
- Traffic on Covered Bridge Blvd. to be single-lane at entrance to Forevergreen Road.
- Traffic to alternate for entering/exiting Covered Bridge Blvd.
- Contractor to maintain access to property north of Covered Bridge Blvd. at all times.

Stage 4b Construction

- Construct Forevergreen Road.
- Construct Temporary Pavement east of Covered Bridge Blvd.



STAGE 4b

FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller	JOHNSON COUNTY	PROJECT NUMBER NHS-380-6(337)2--11-52	SHEET NUMBER J.17

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Winter 2018

FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller	JOHNSON COUNTY	PROJECT NUMBER NHS-380-6(337)2--11-52	SHEET NUMBER J.18

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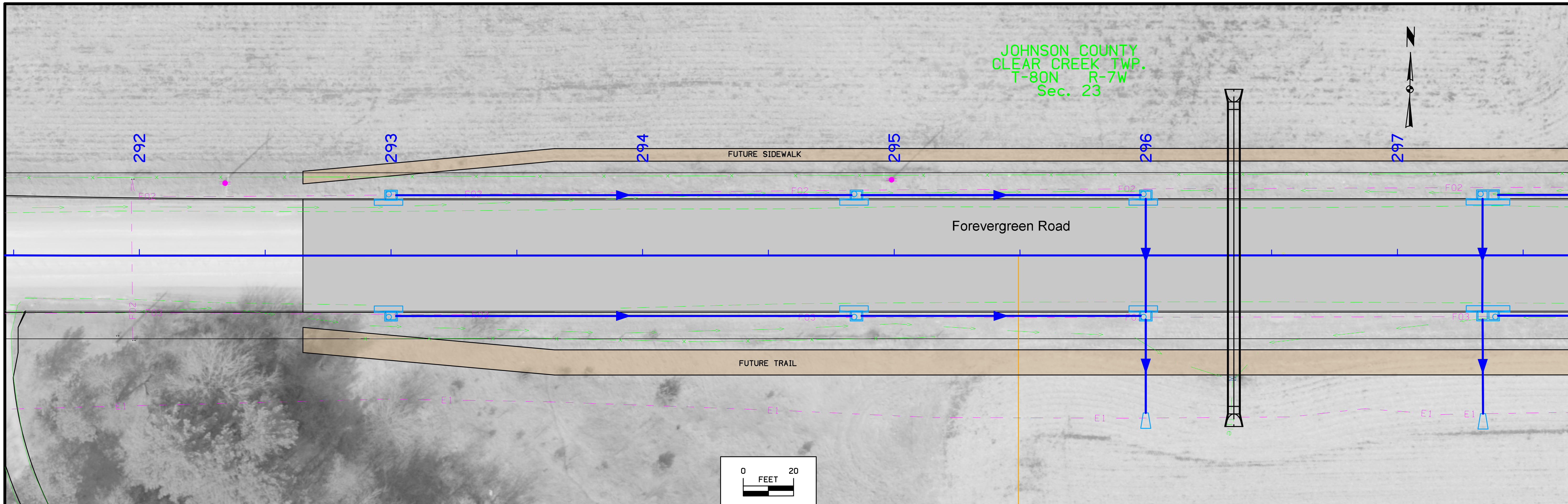

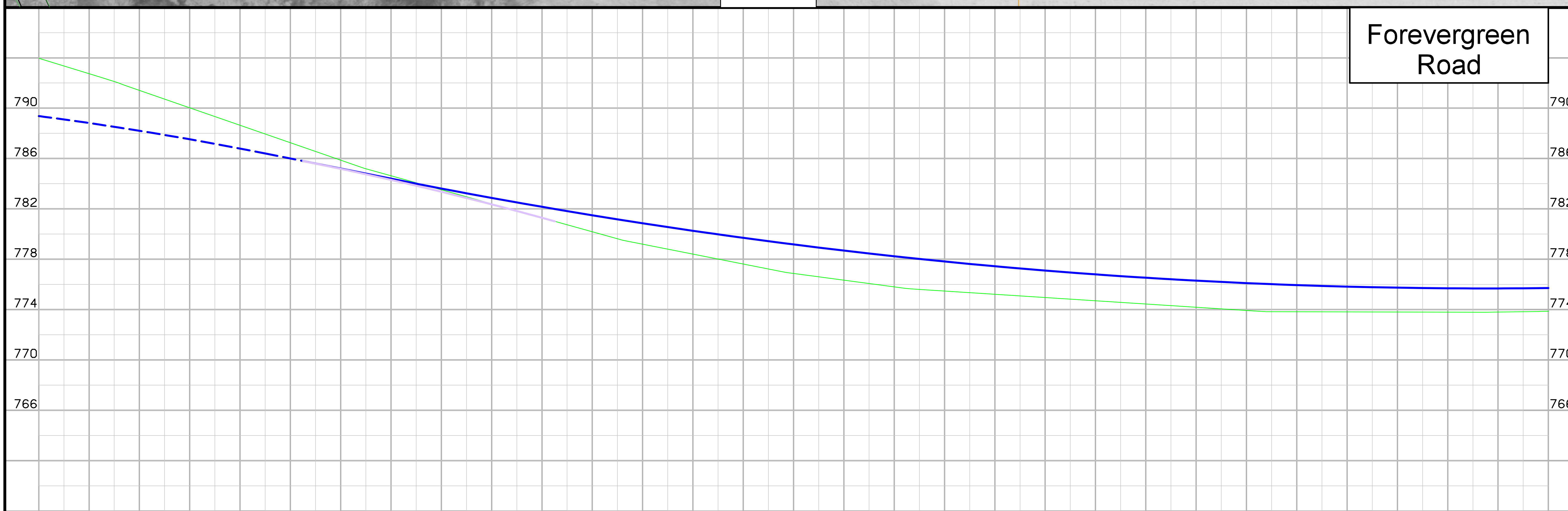

FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller	JOHNSON COUNTY	PROJECT NUMBER NHS-380-6(337)2--11-52	SHEET NUMBER M.3

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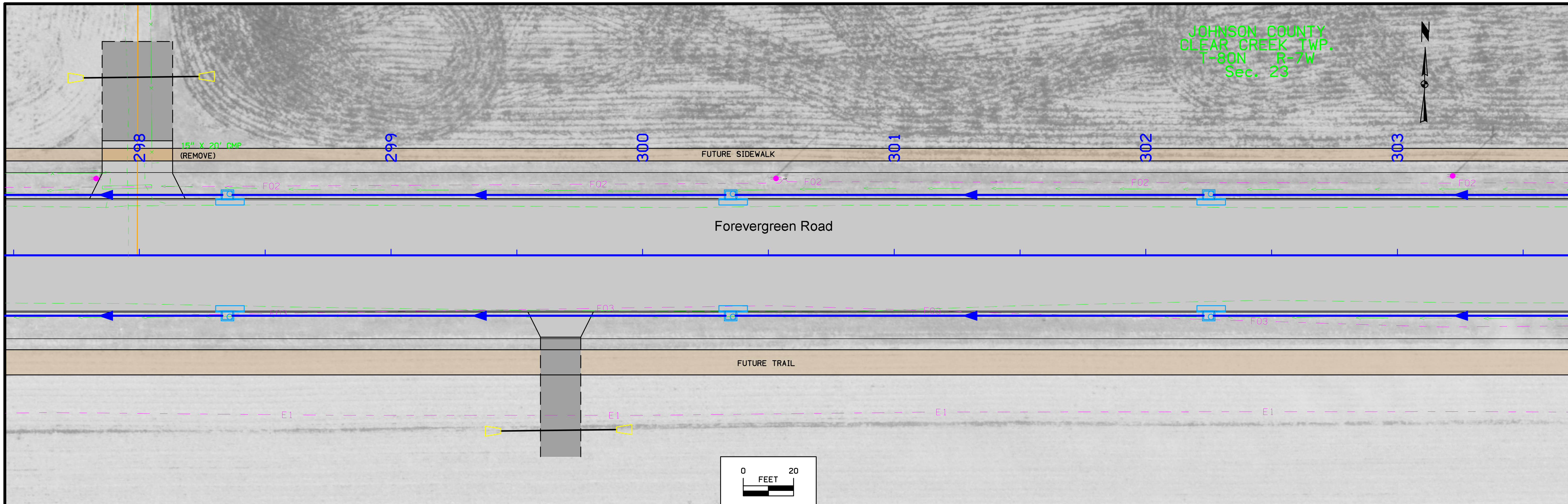

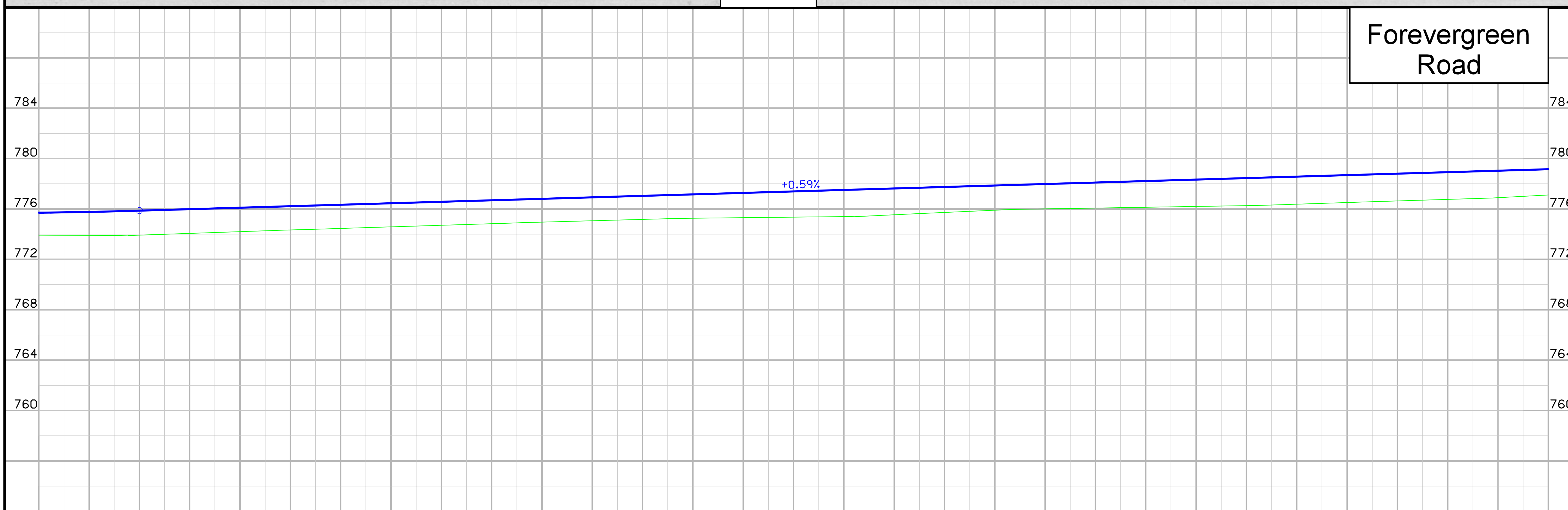

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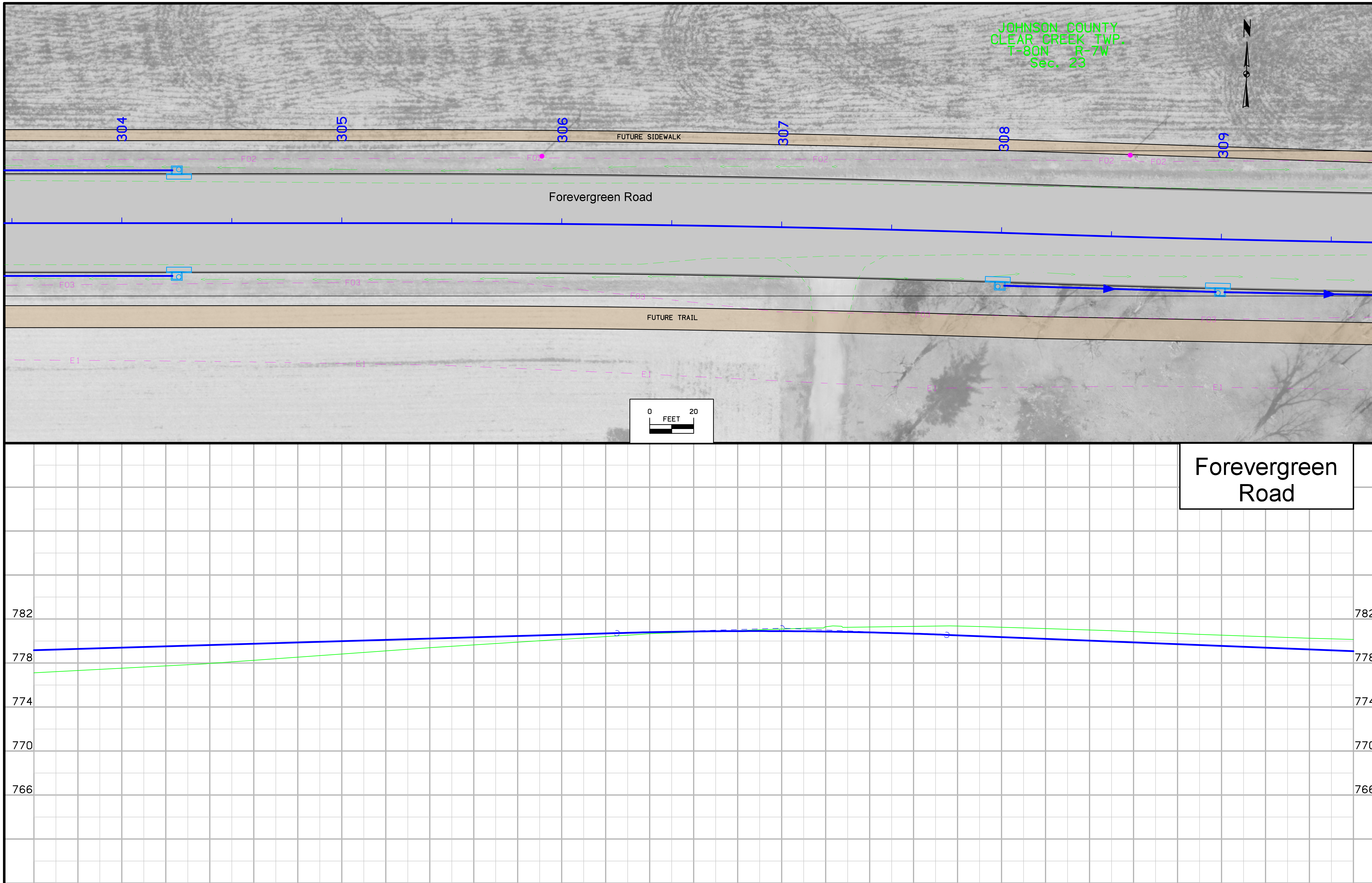

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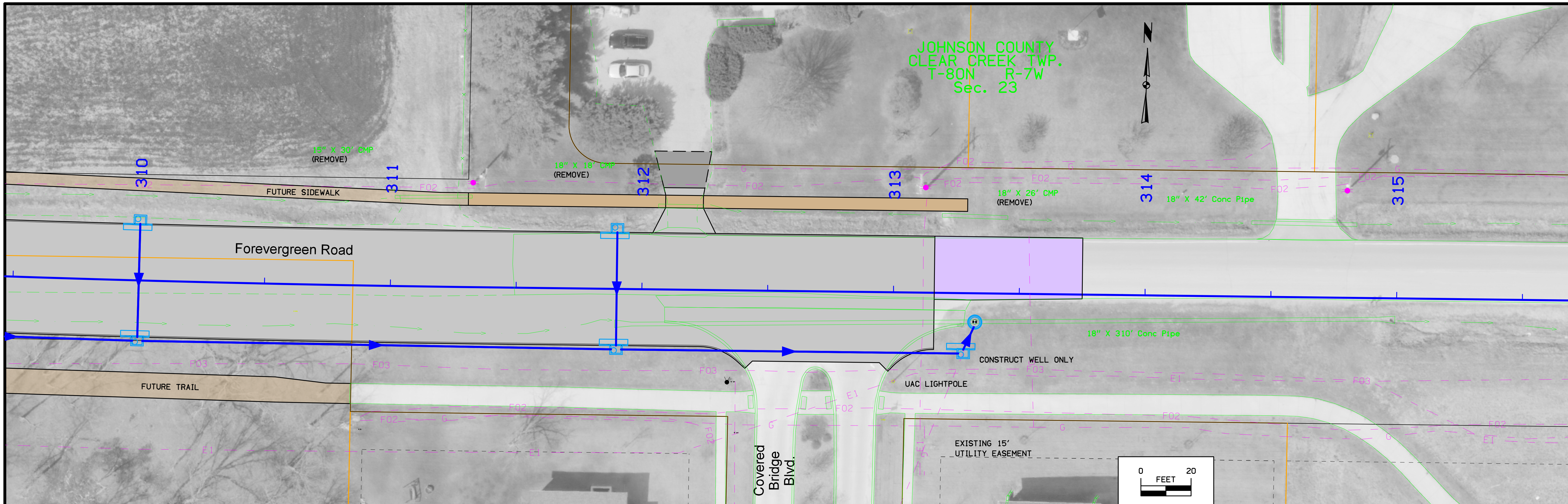

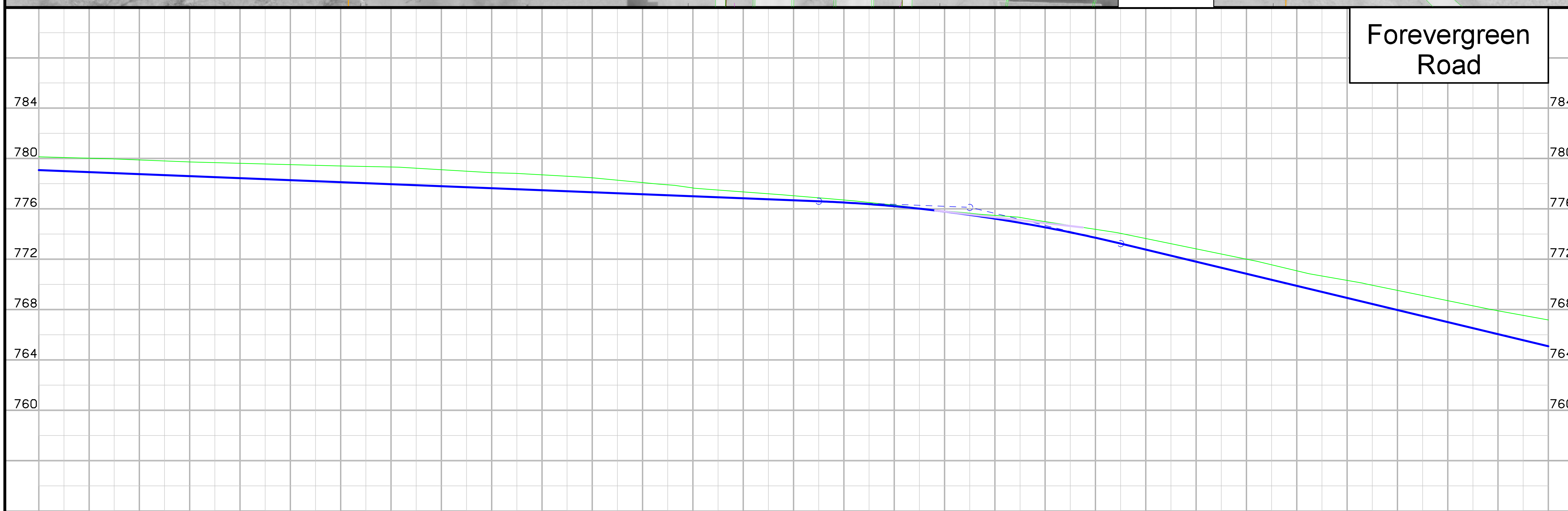

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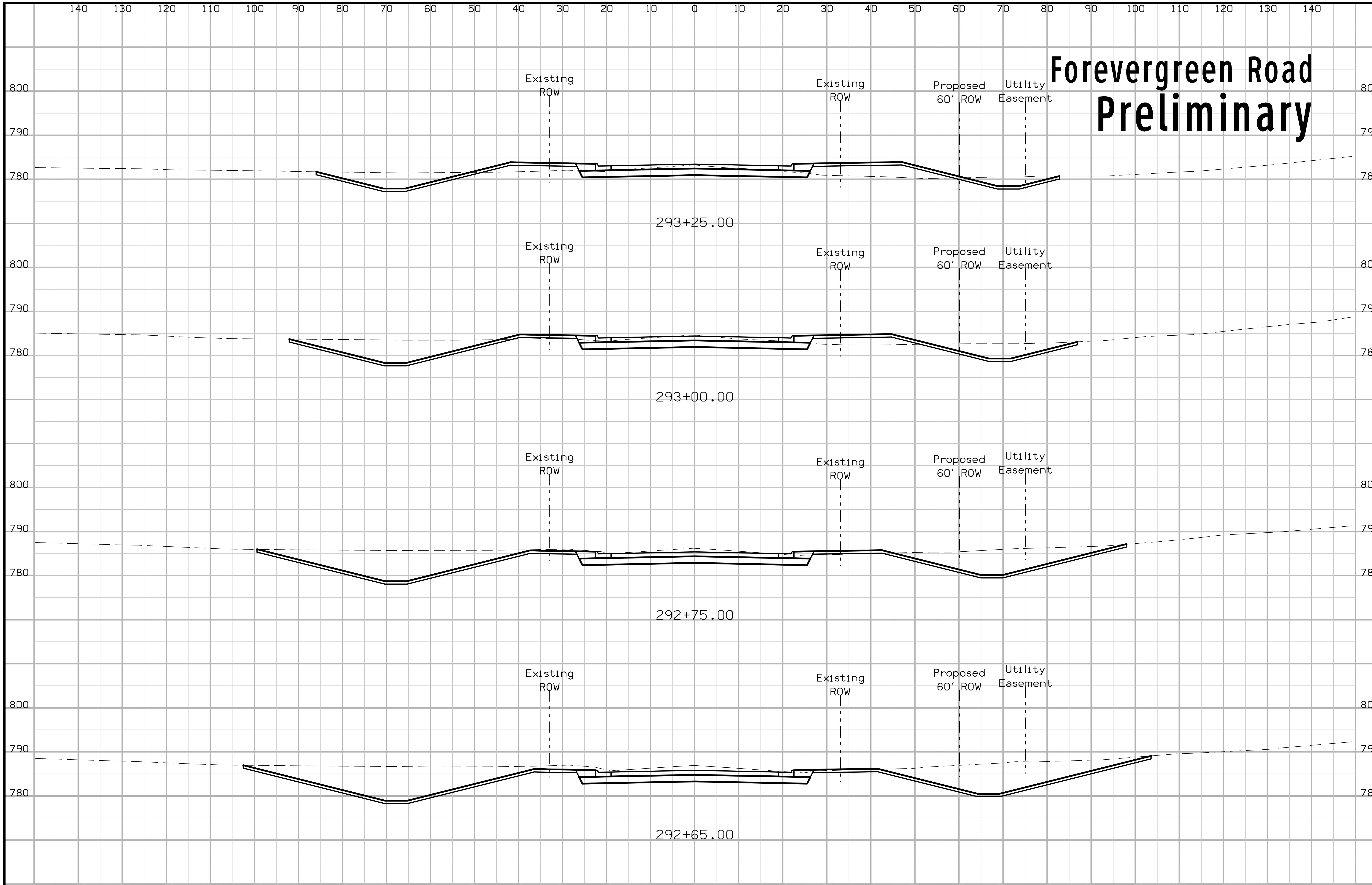

FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller	JOHNSON COUNTY	PROJECT NUMBER NHS-380-6(337)2--11-52	SHEET NUMBER W.1

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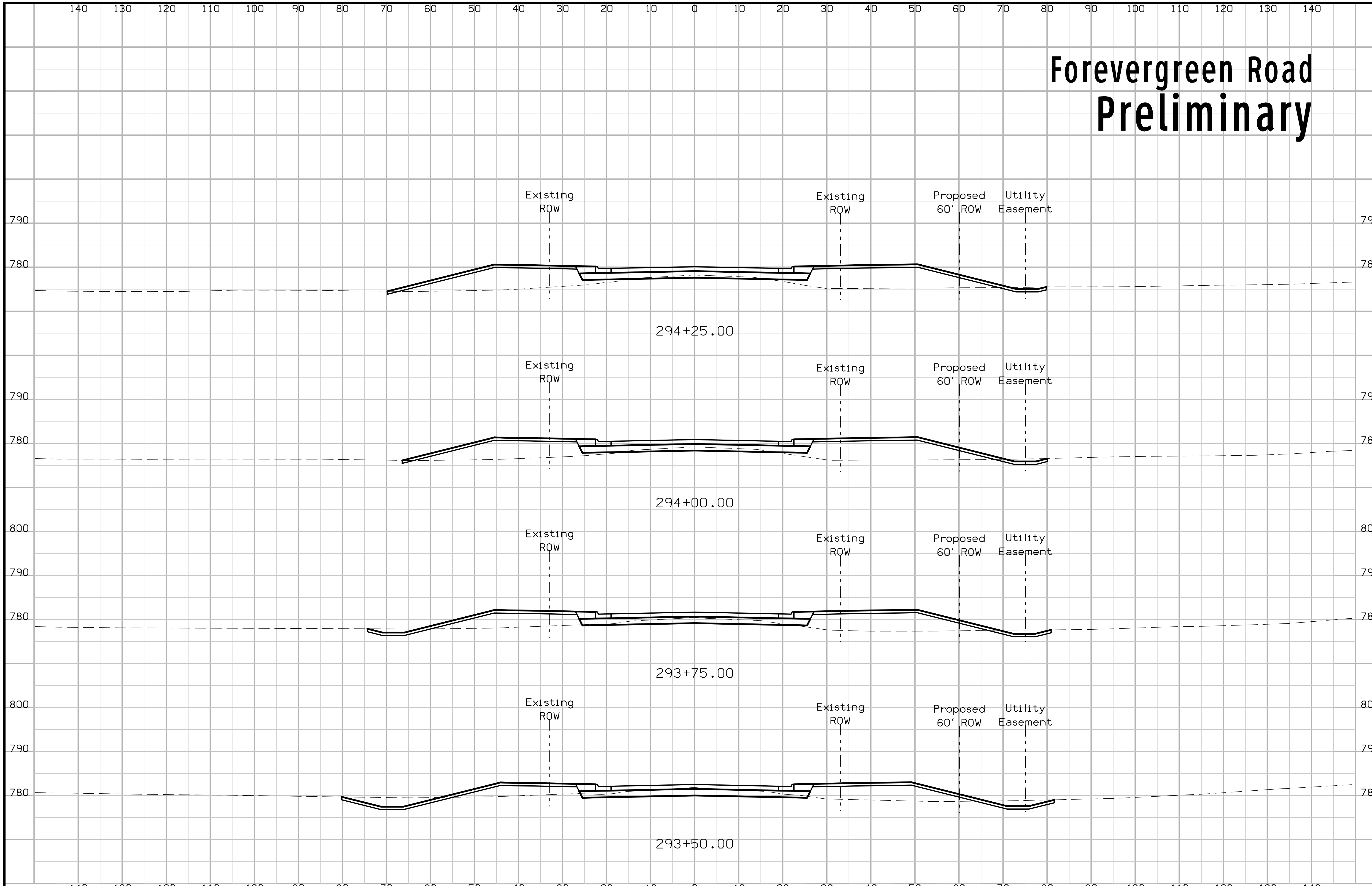
Forevergreen Road
Preliminary



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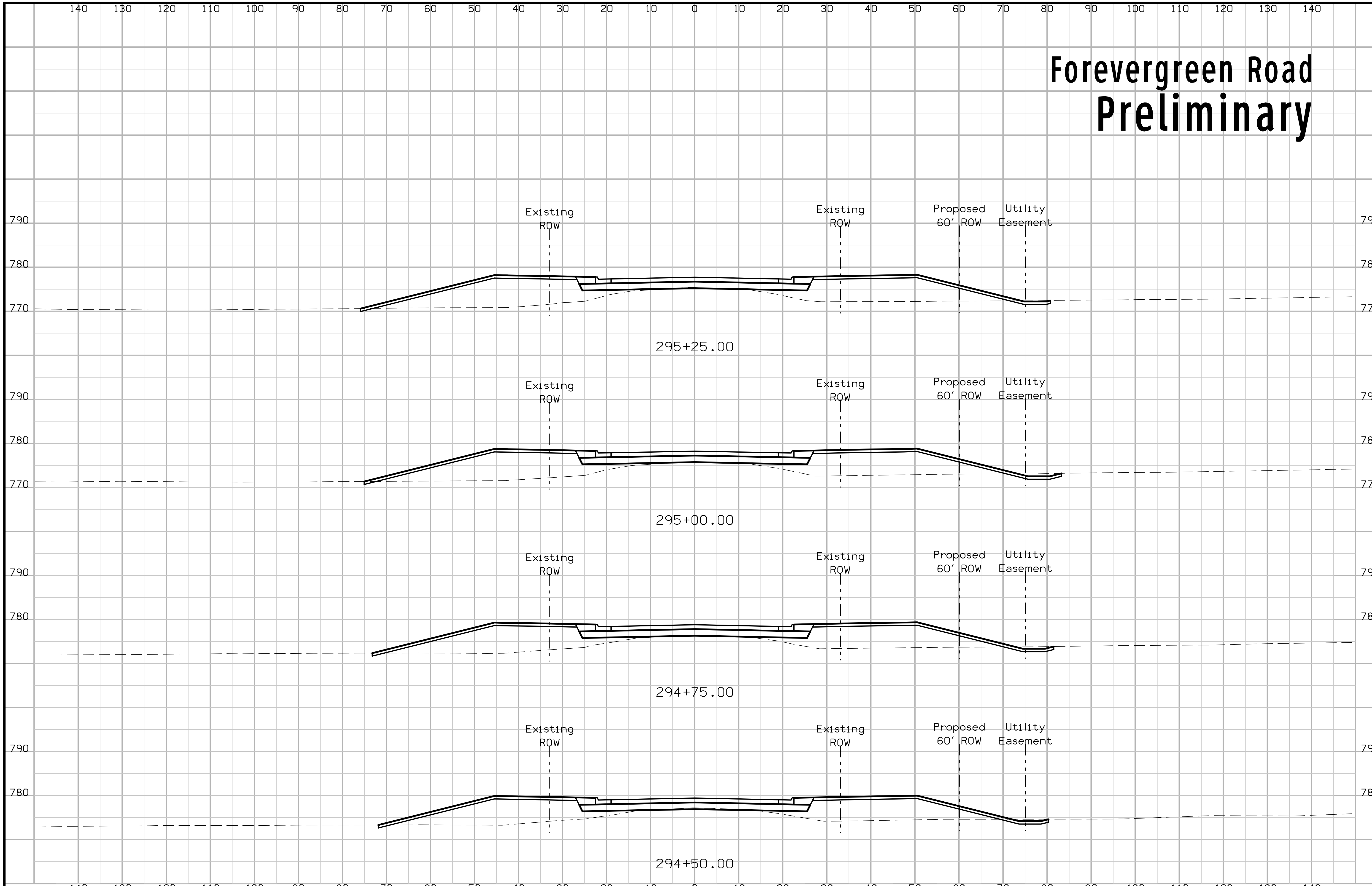

FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller	JOHNSON COUNTY	PROJECT NUMBER NHS-380-6(337)2--11-52	SHEET NUMBER W.3

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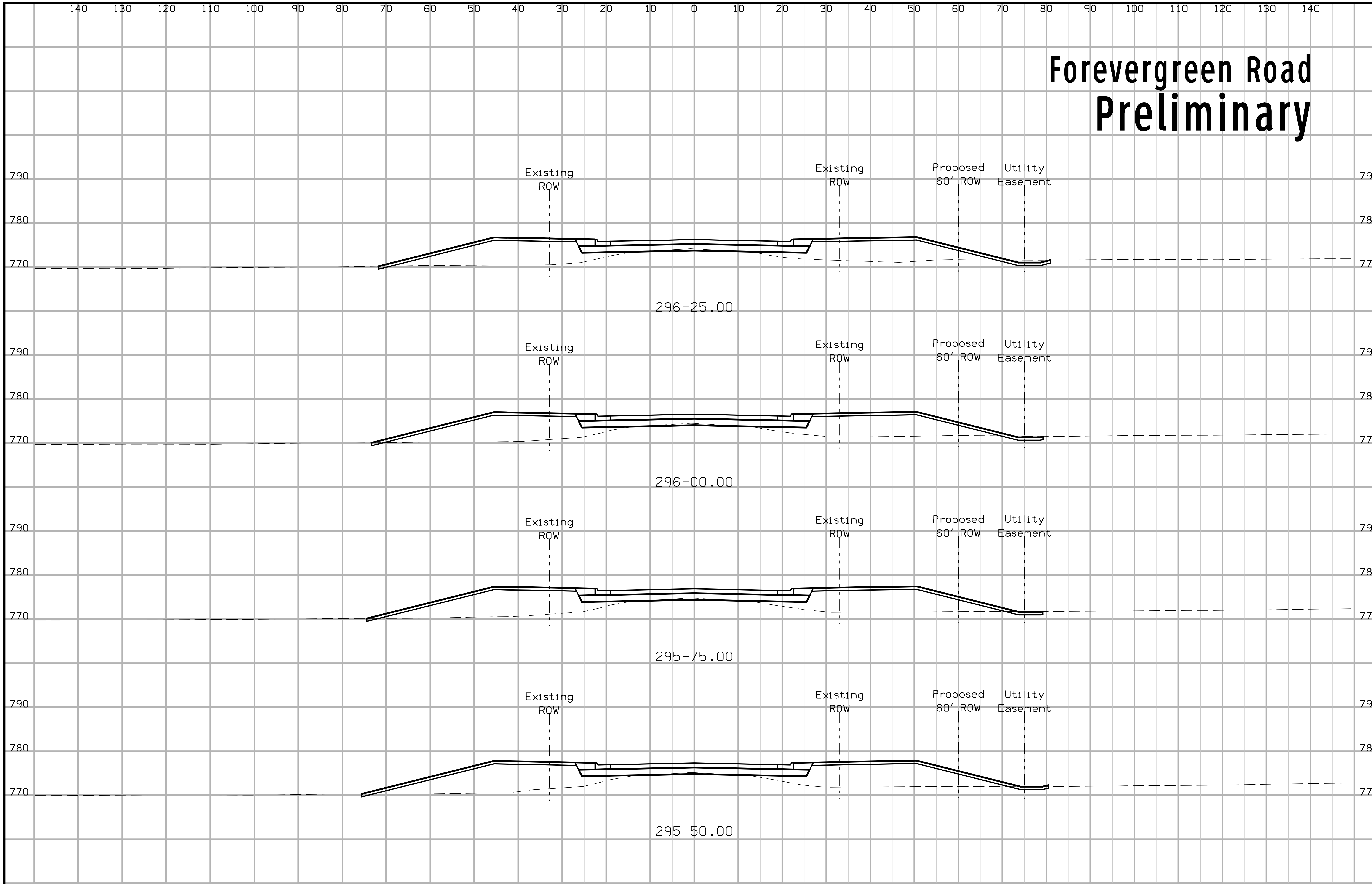
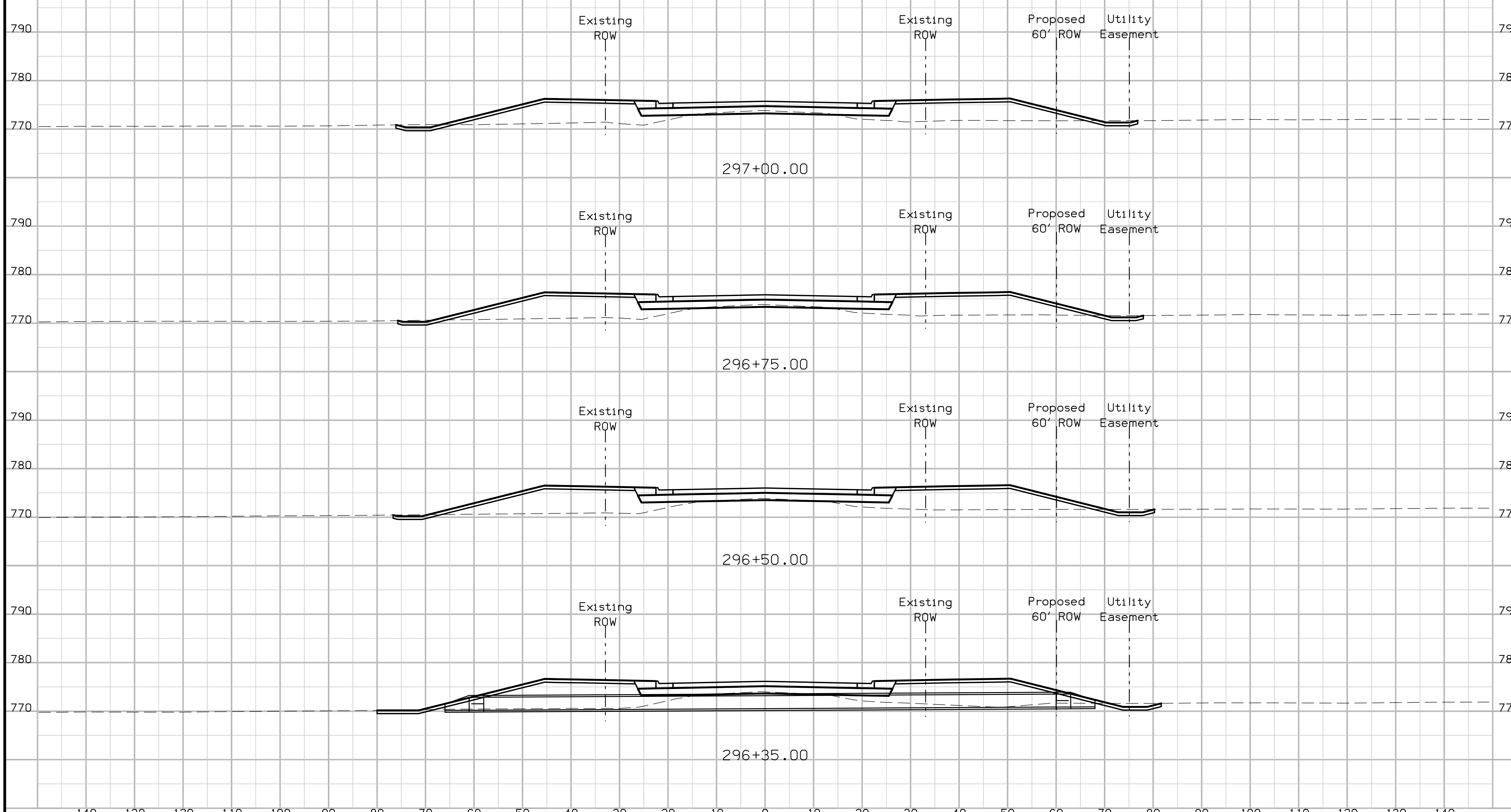


FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller	JOHNSON COUNTY	PROJECT NUMBER	NHS-380-6(337)2--11-52	SHEET NUMBER	W.4

Forevergreen Road
Preliminary



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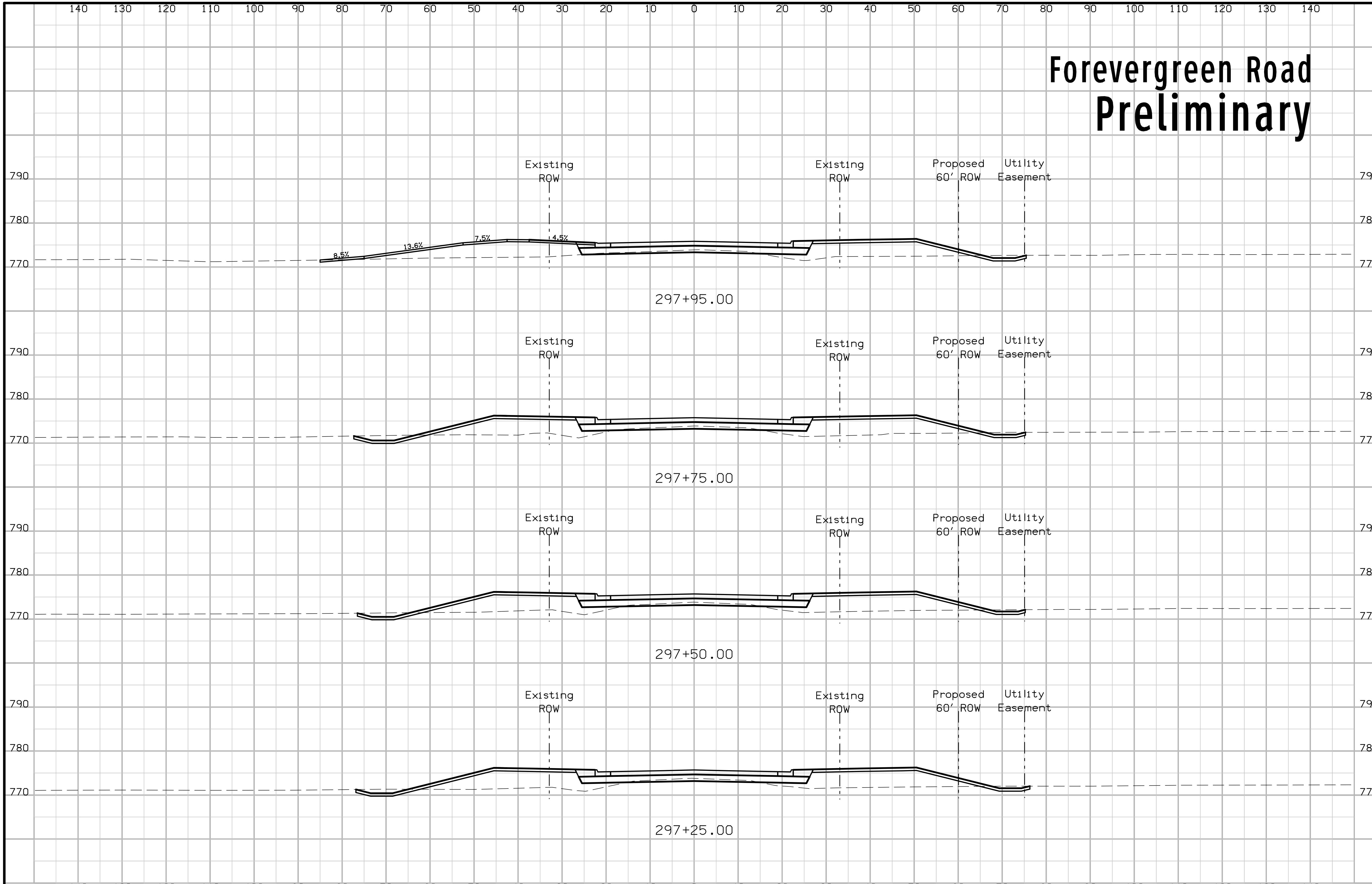

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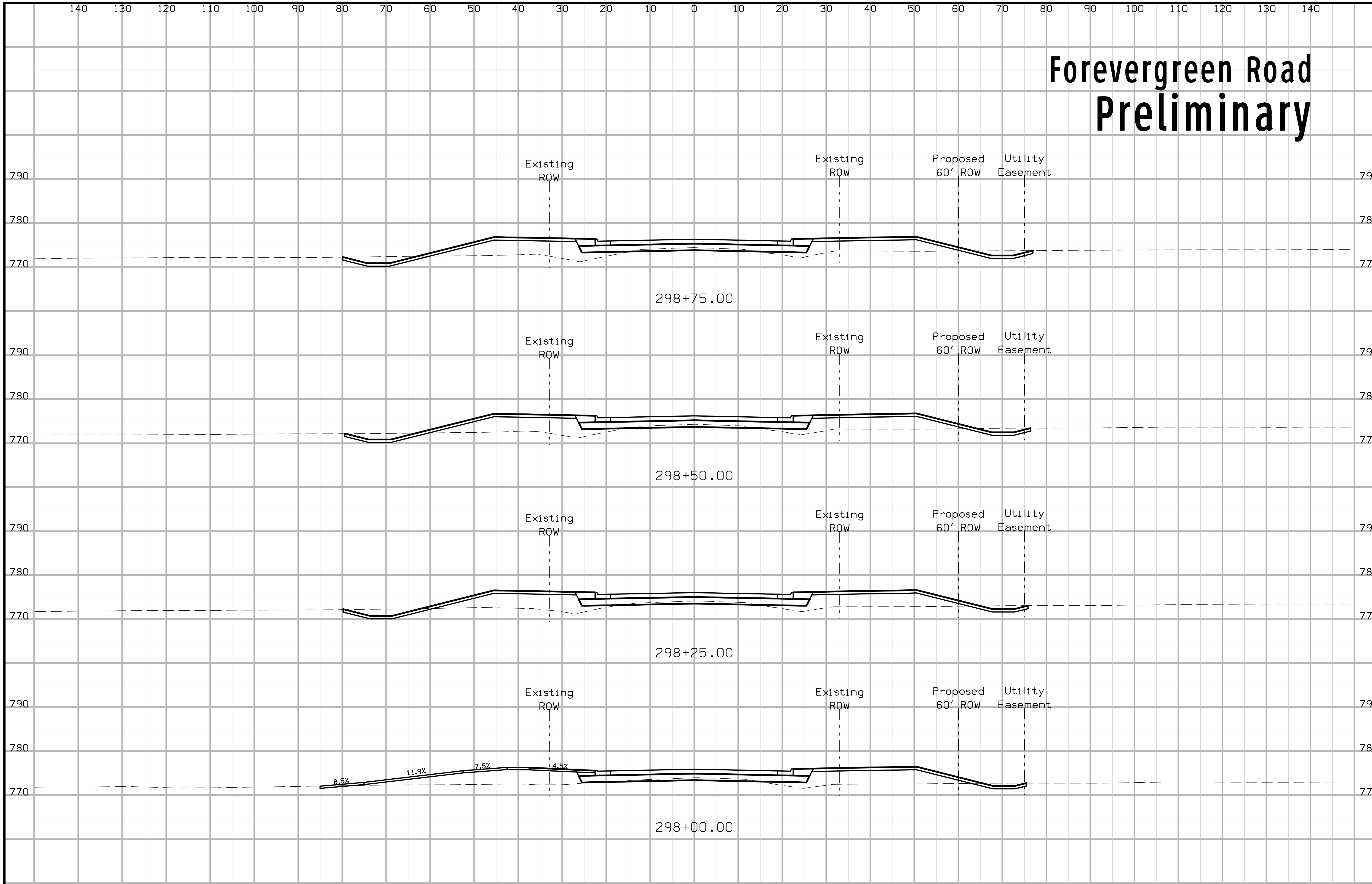

FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller		JOHNSON COUNTY	PROJECT NUMBER	NHS-380-6(337)2--11-52	SHEET NUMBER	W.7

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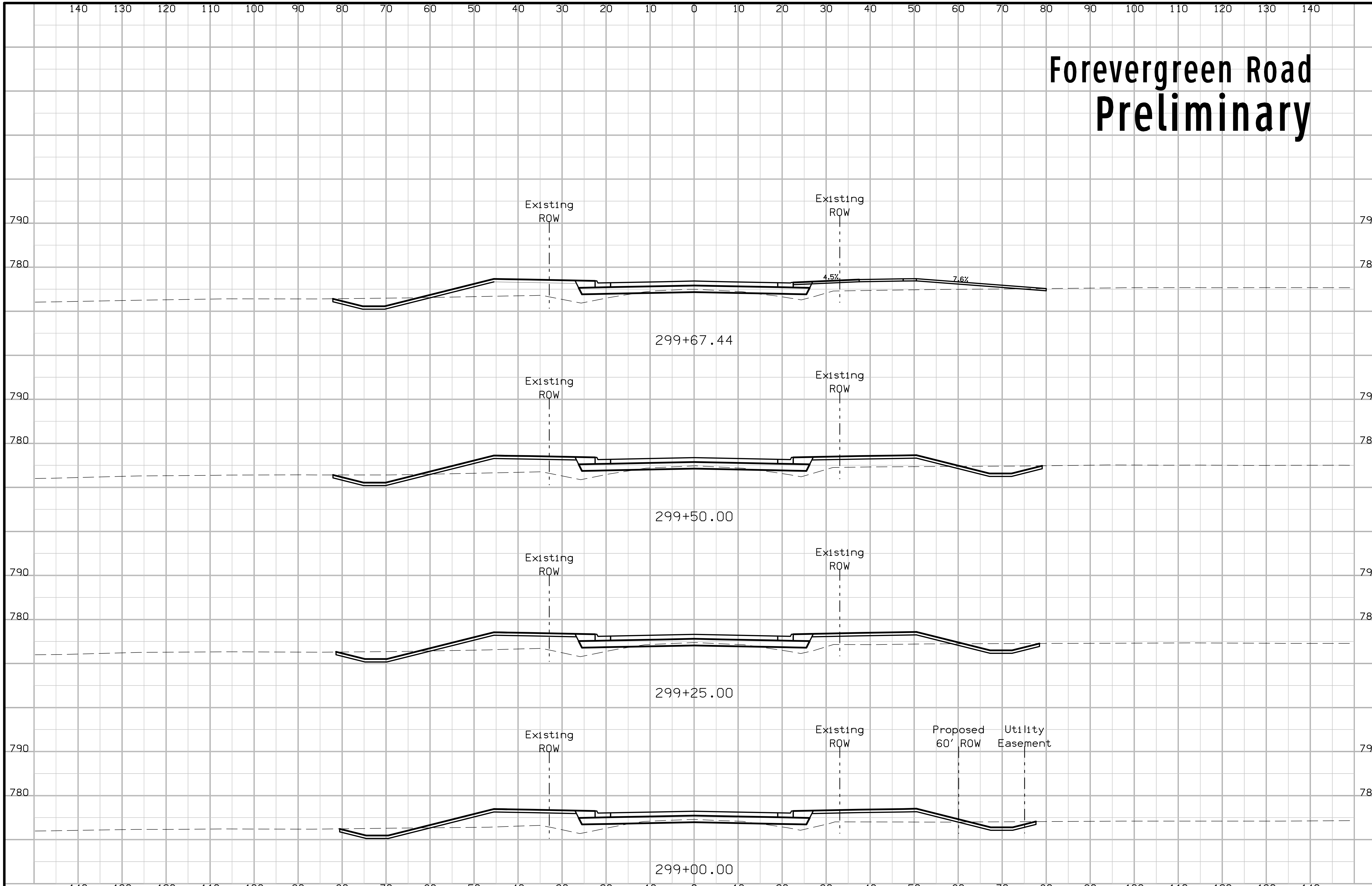
Forevergreen Road
Preliminary



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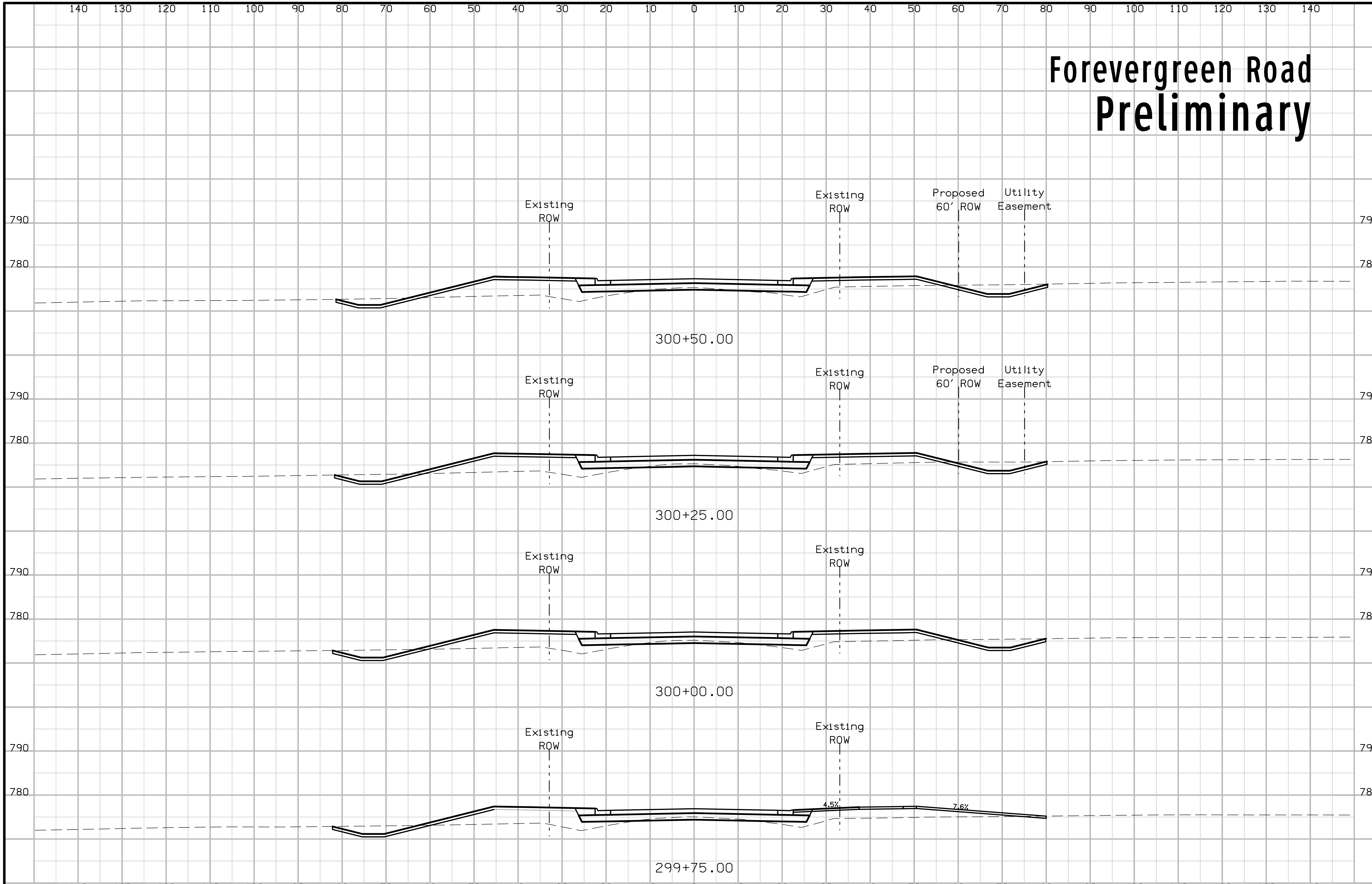

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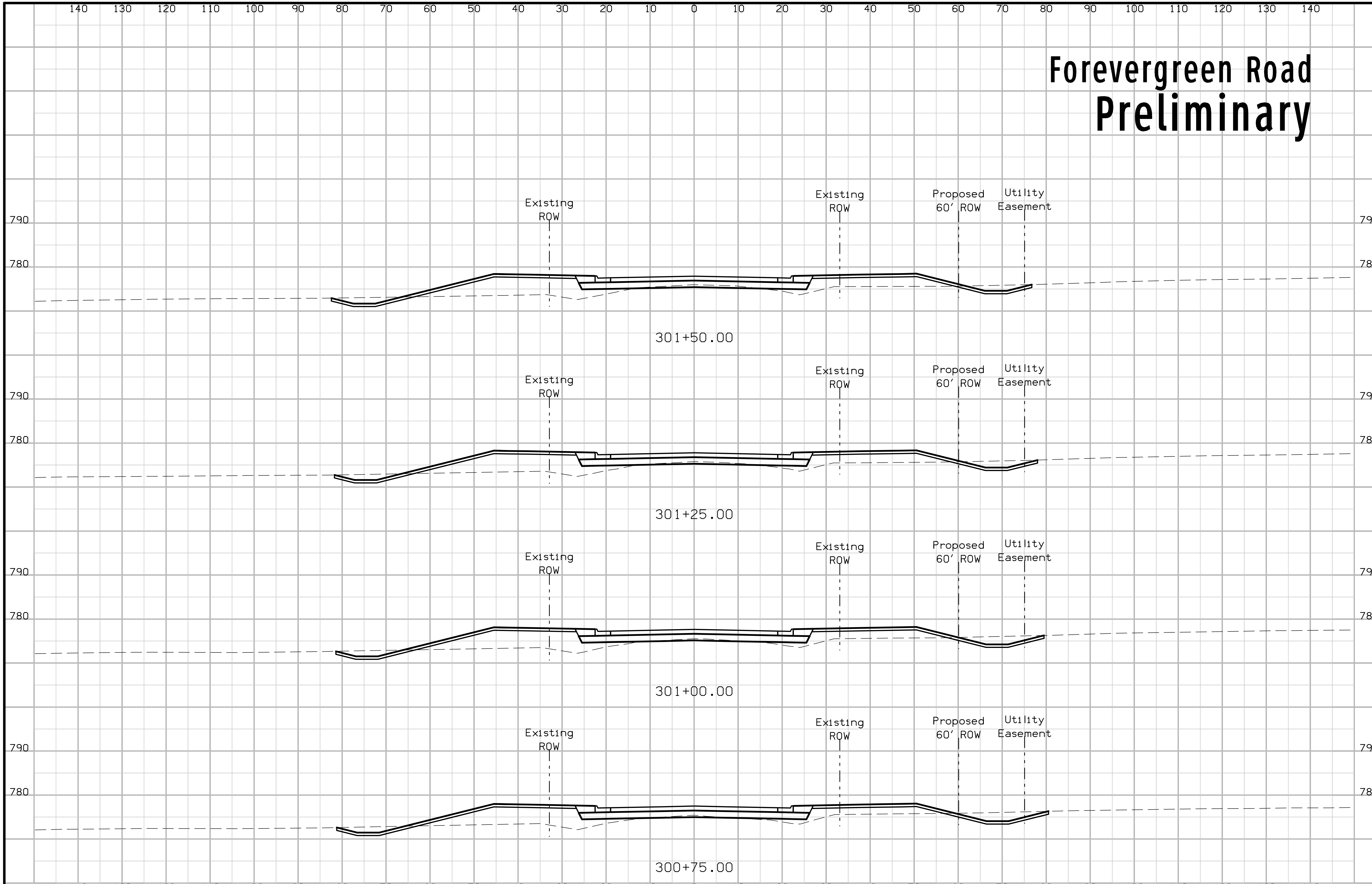

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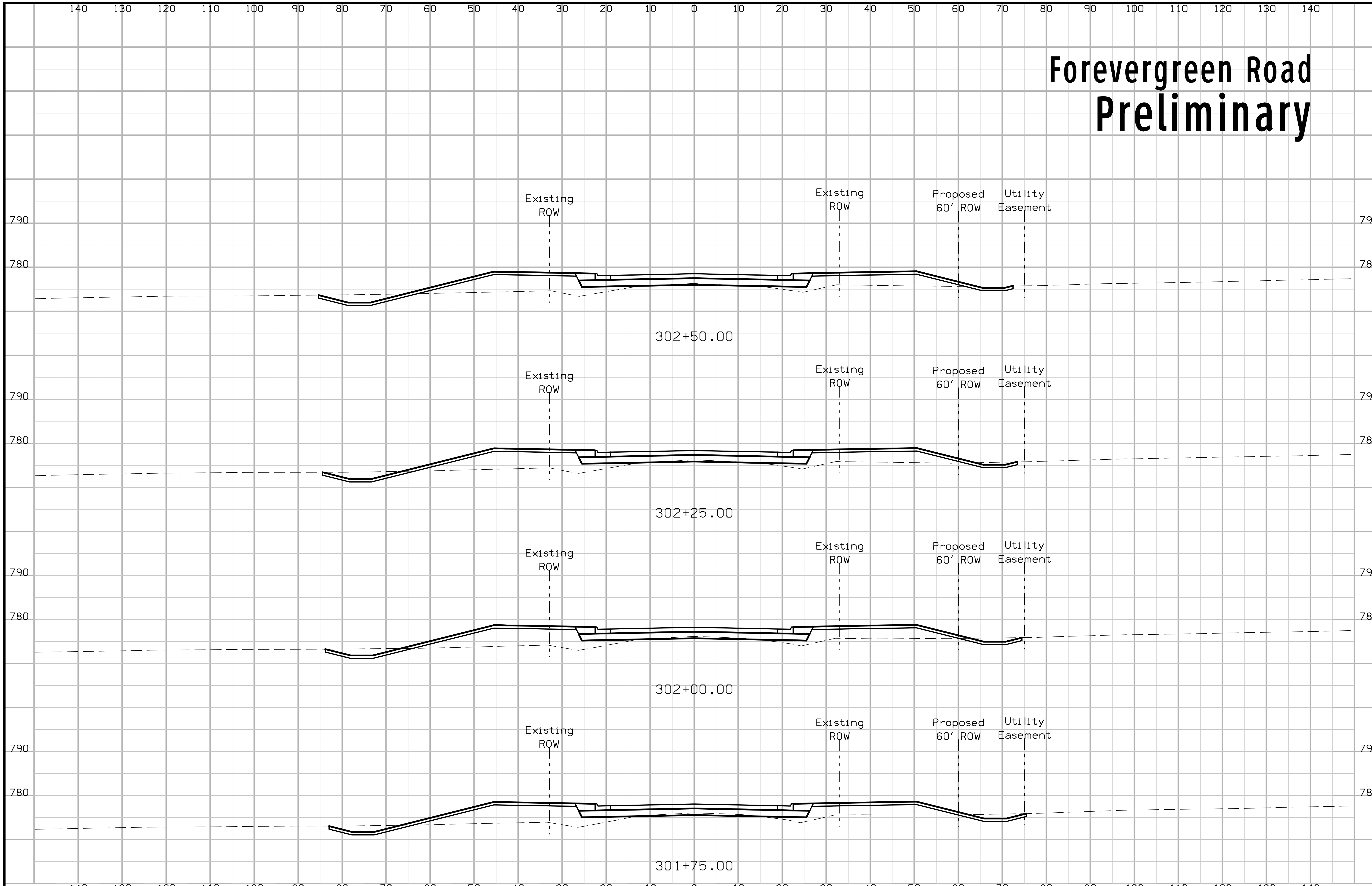

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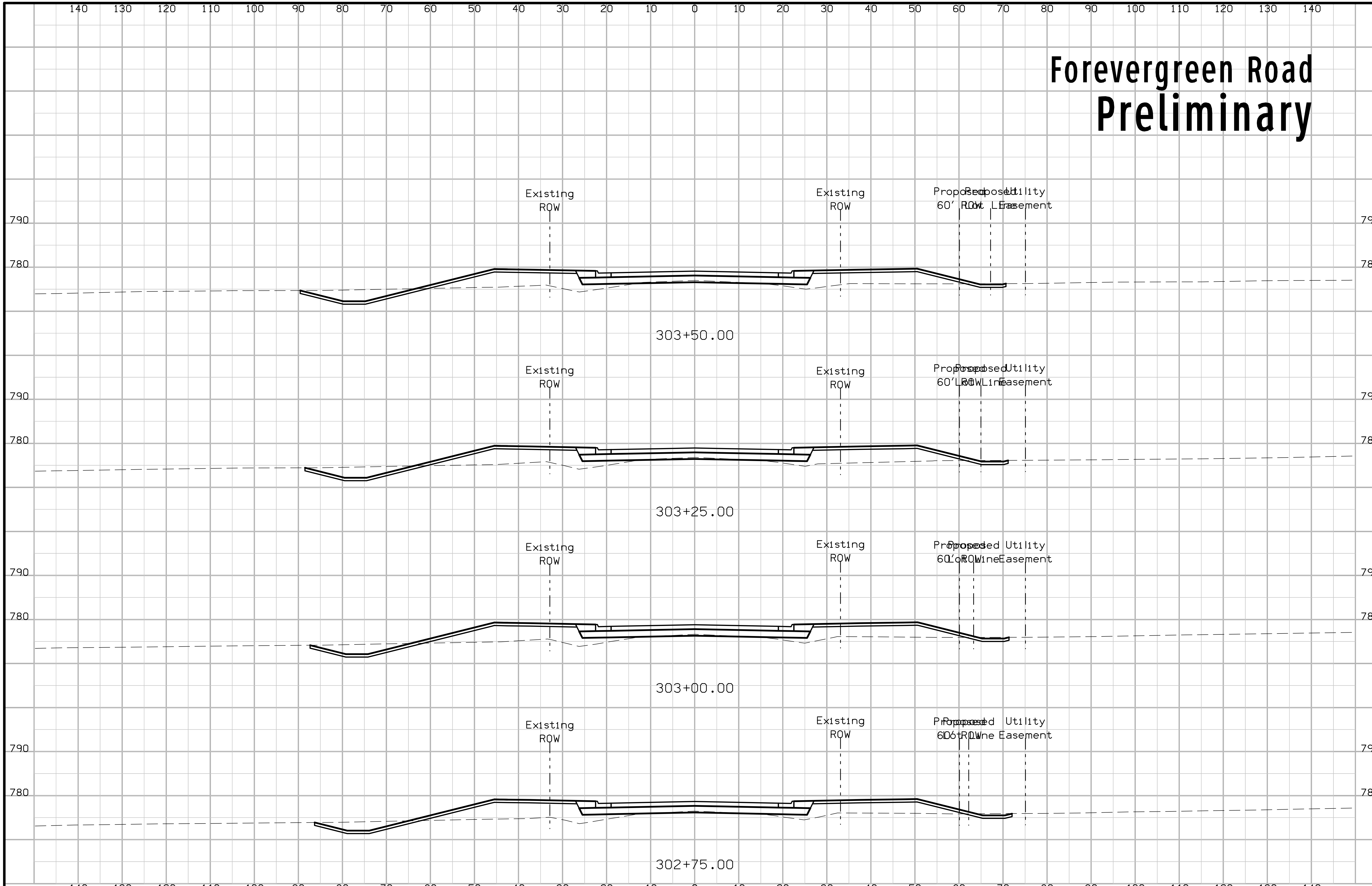
Forevergreen Road
Preliminary



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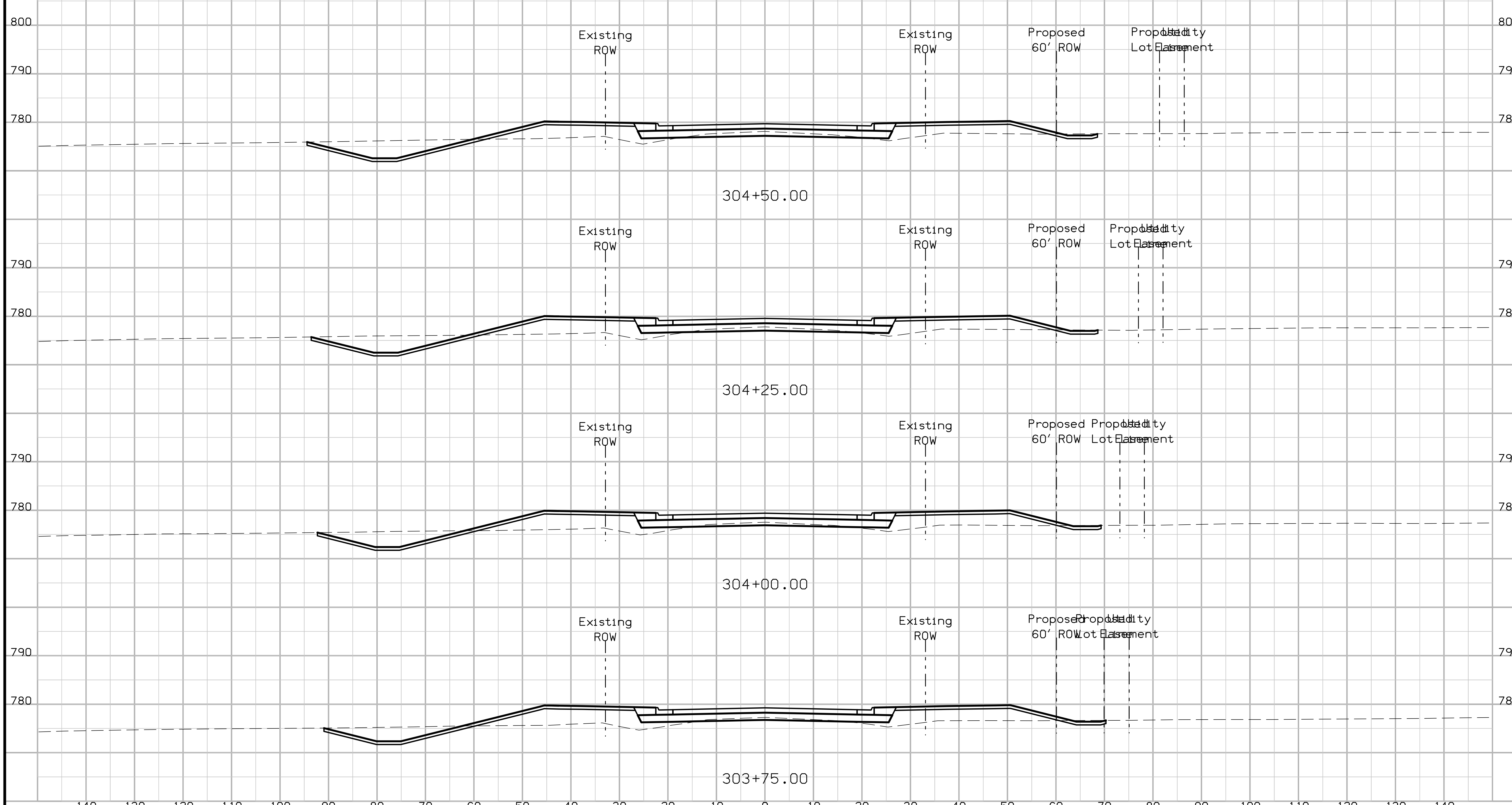
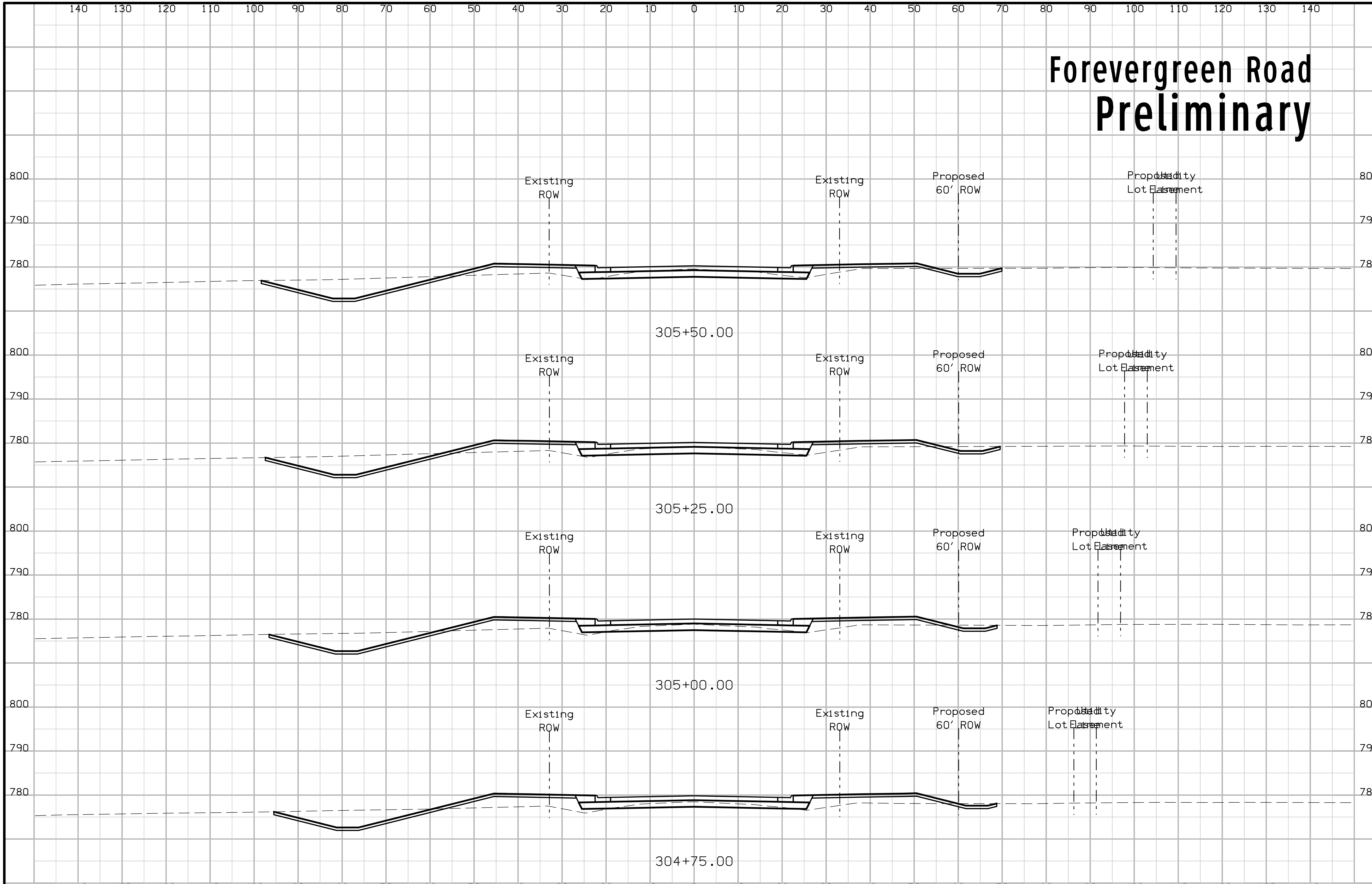
Forevergreen Road
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller	JOHNSON COUNTY	PROJECT NUMBER NHS-380-6(337)2--11-52	SHEET NUMBER W.13

Forevergreen Road
Preliminary



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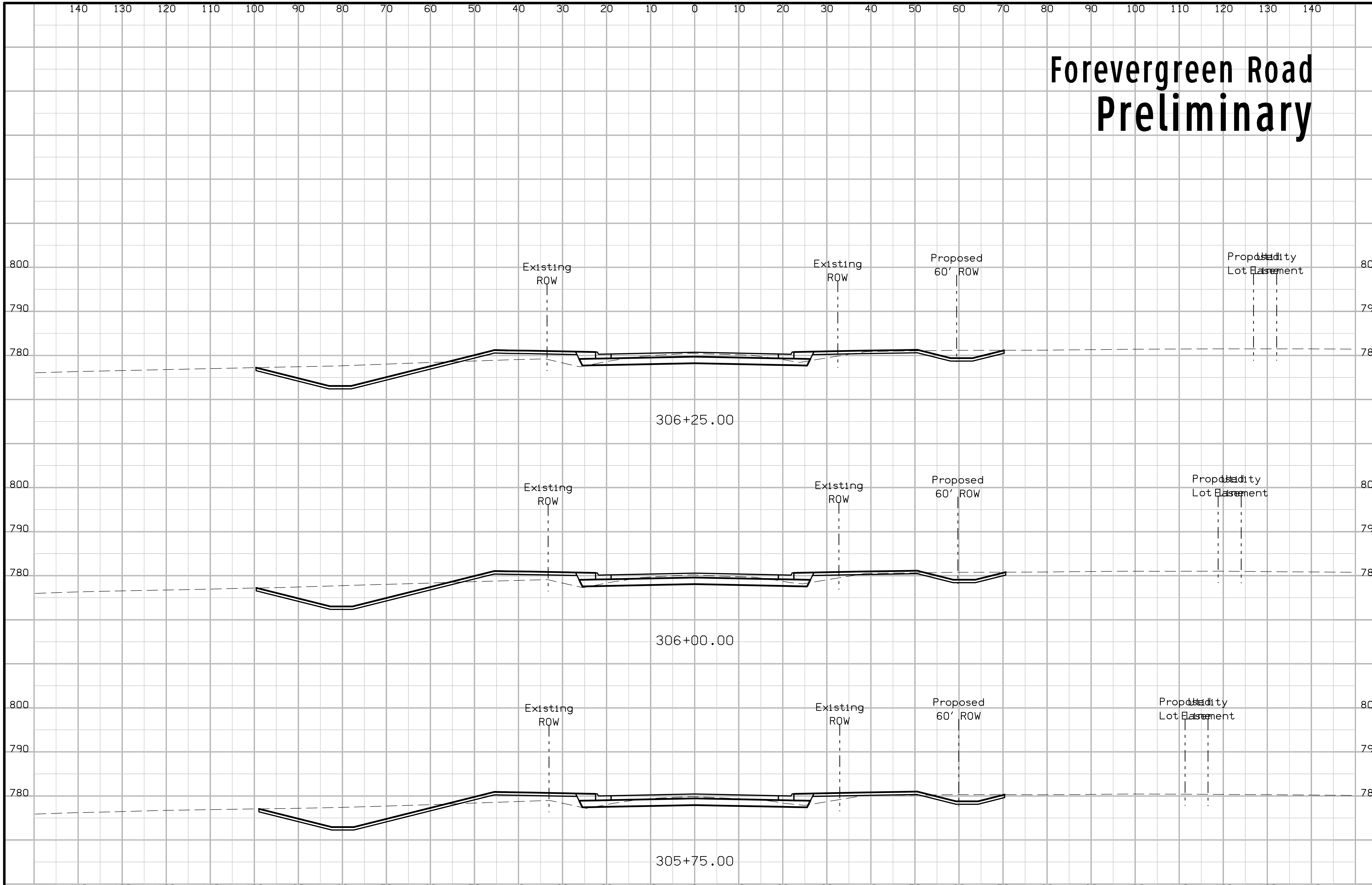
Forevergreen Road
Preliminary



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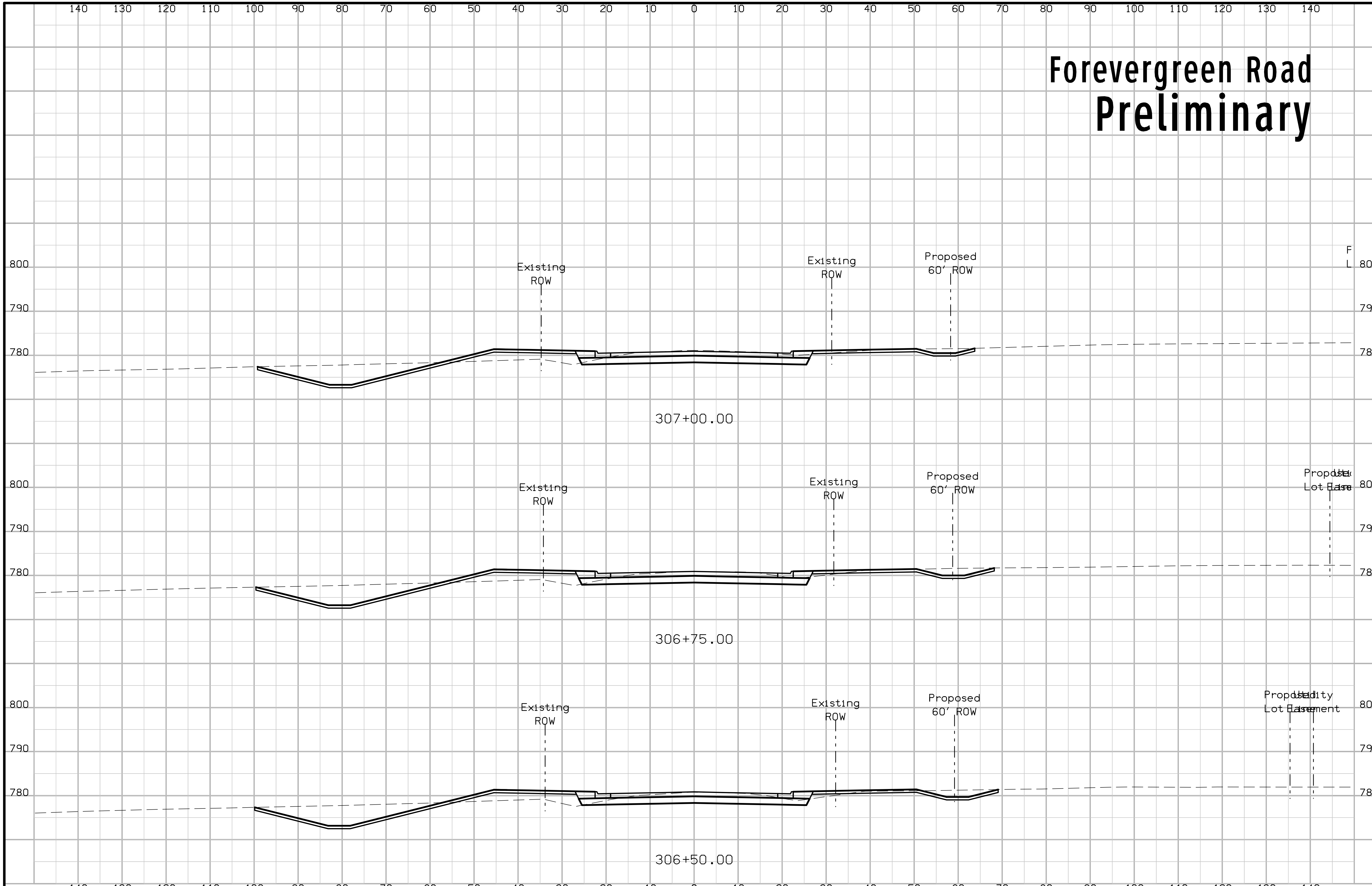

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Forevergreen Road
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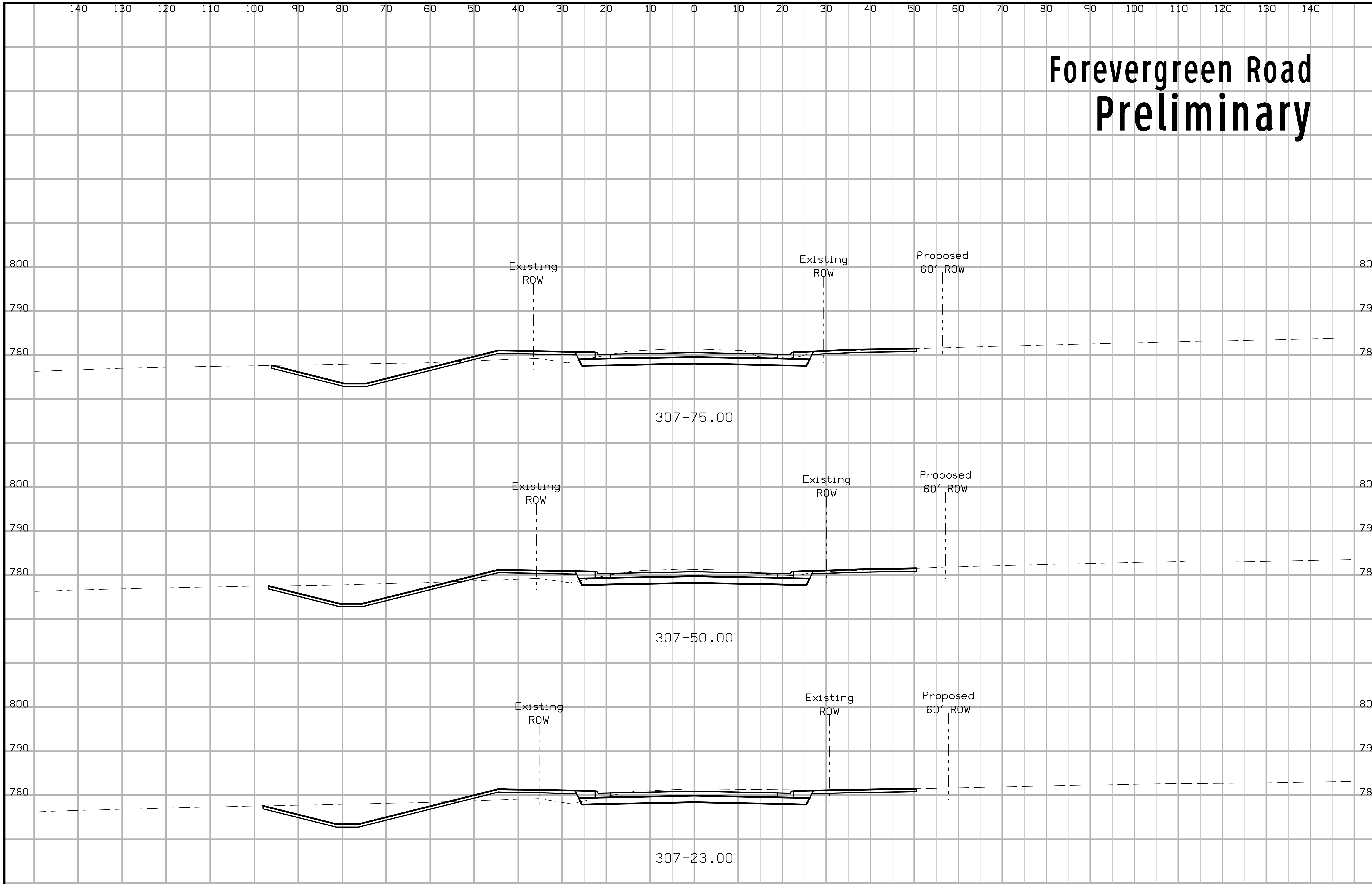

FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller		JOHNSON COUNTY	PROJECT NUMBER NHS-380-6(337)2--11-52	SHEET NUMBER W.17

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Forevergreen Road
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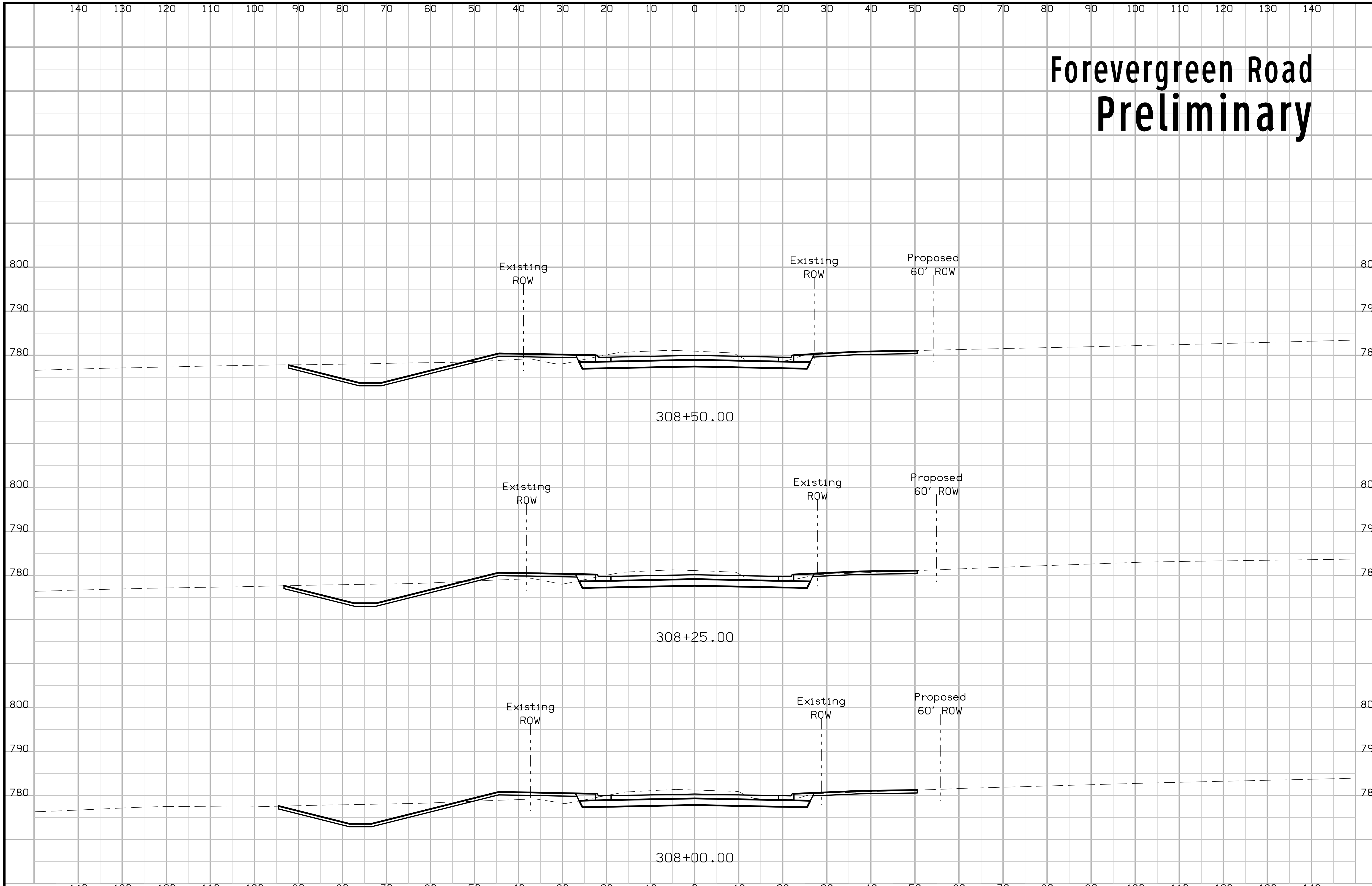

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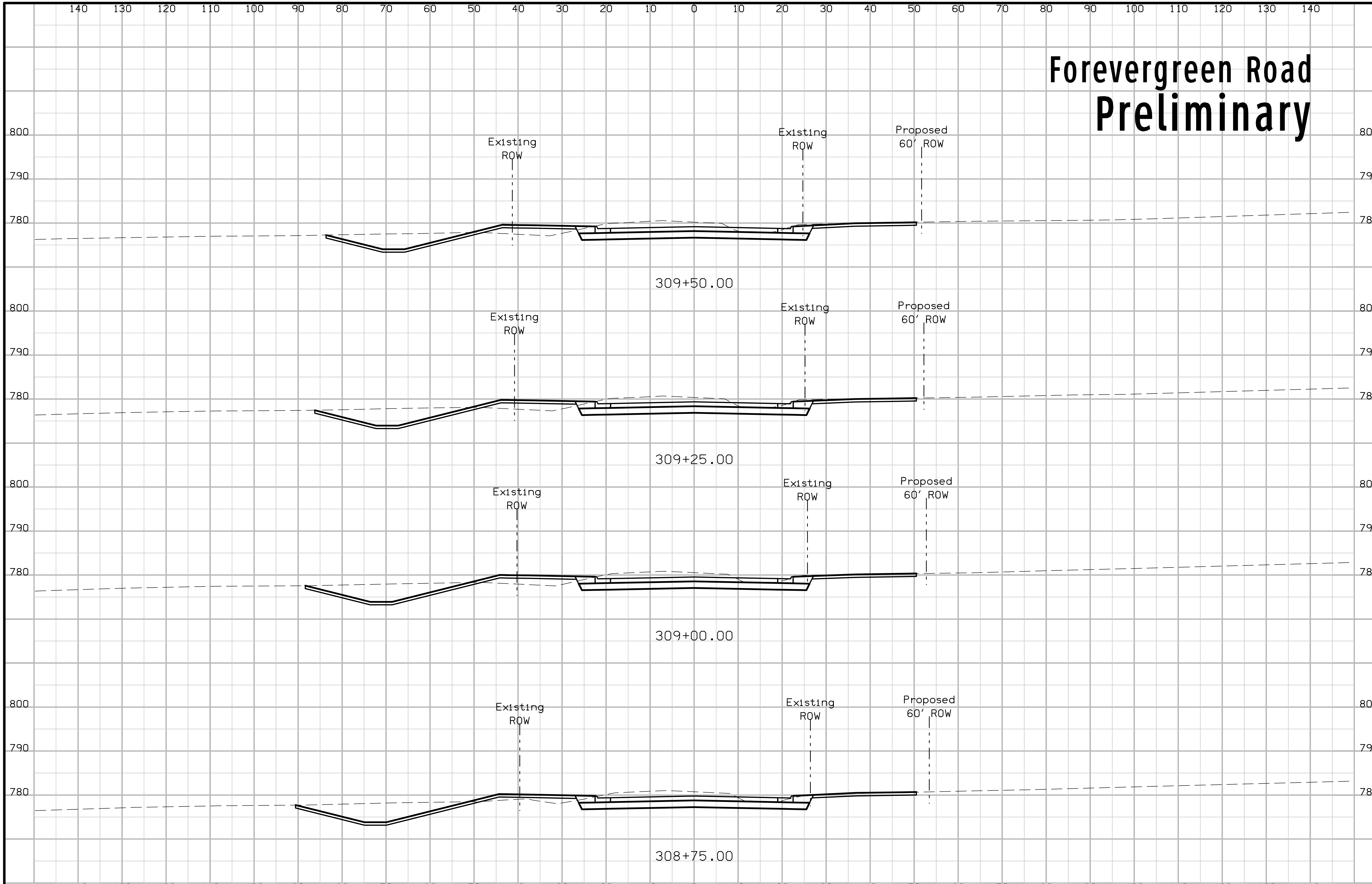

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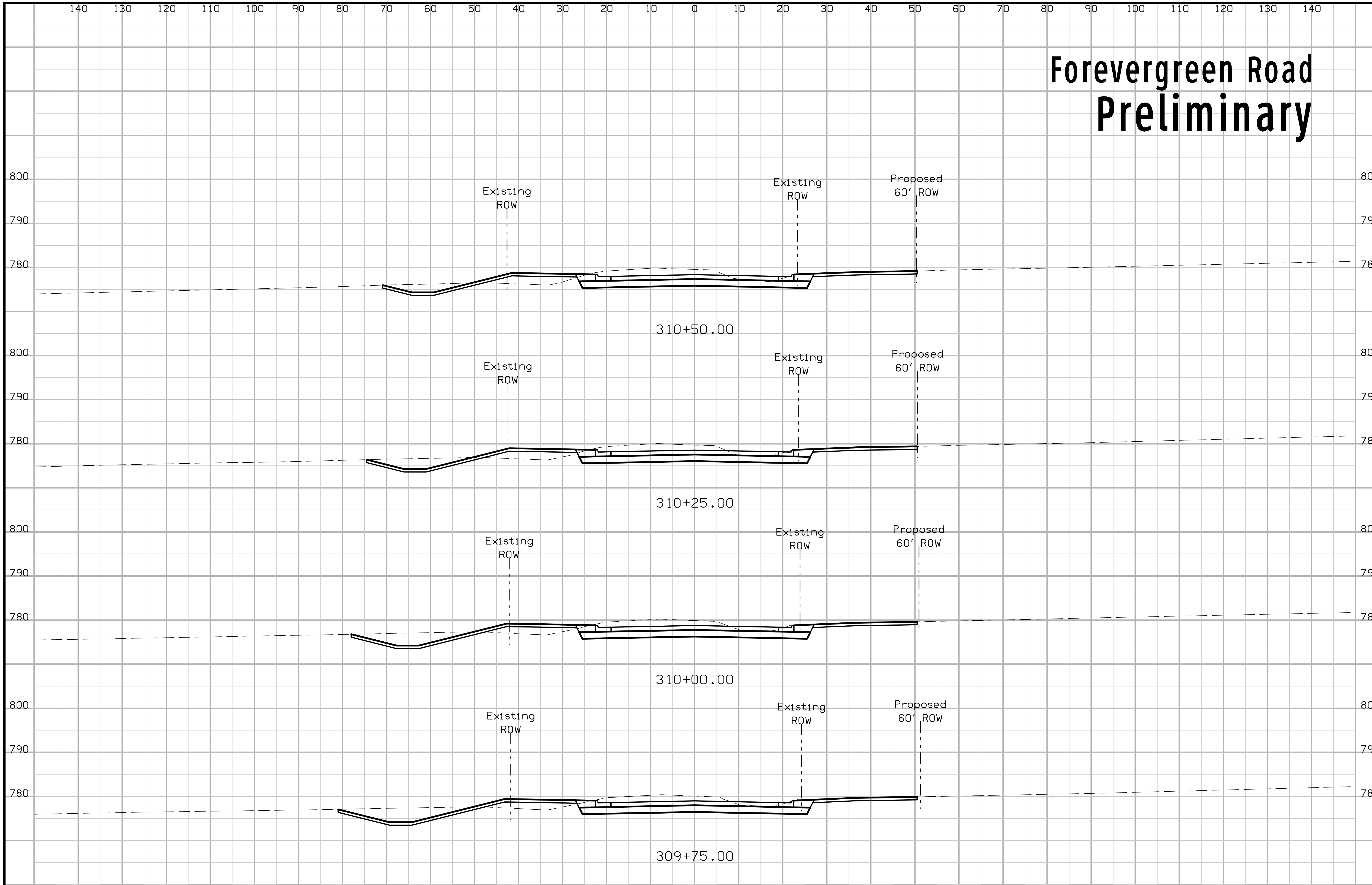

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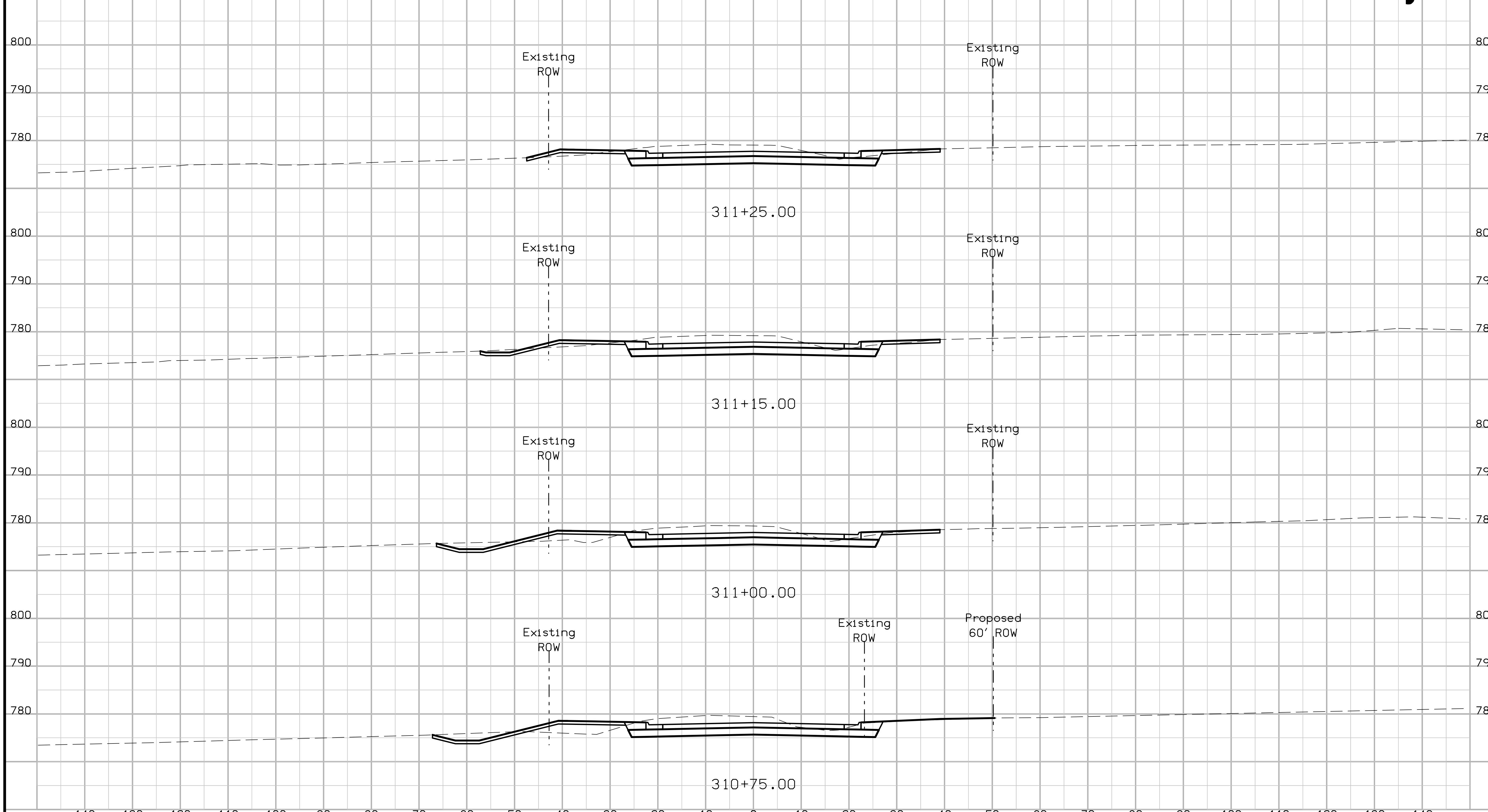
Forevergreen Road
Preliminary



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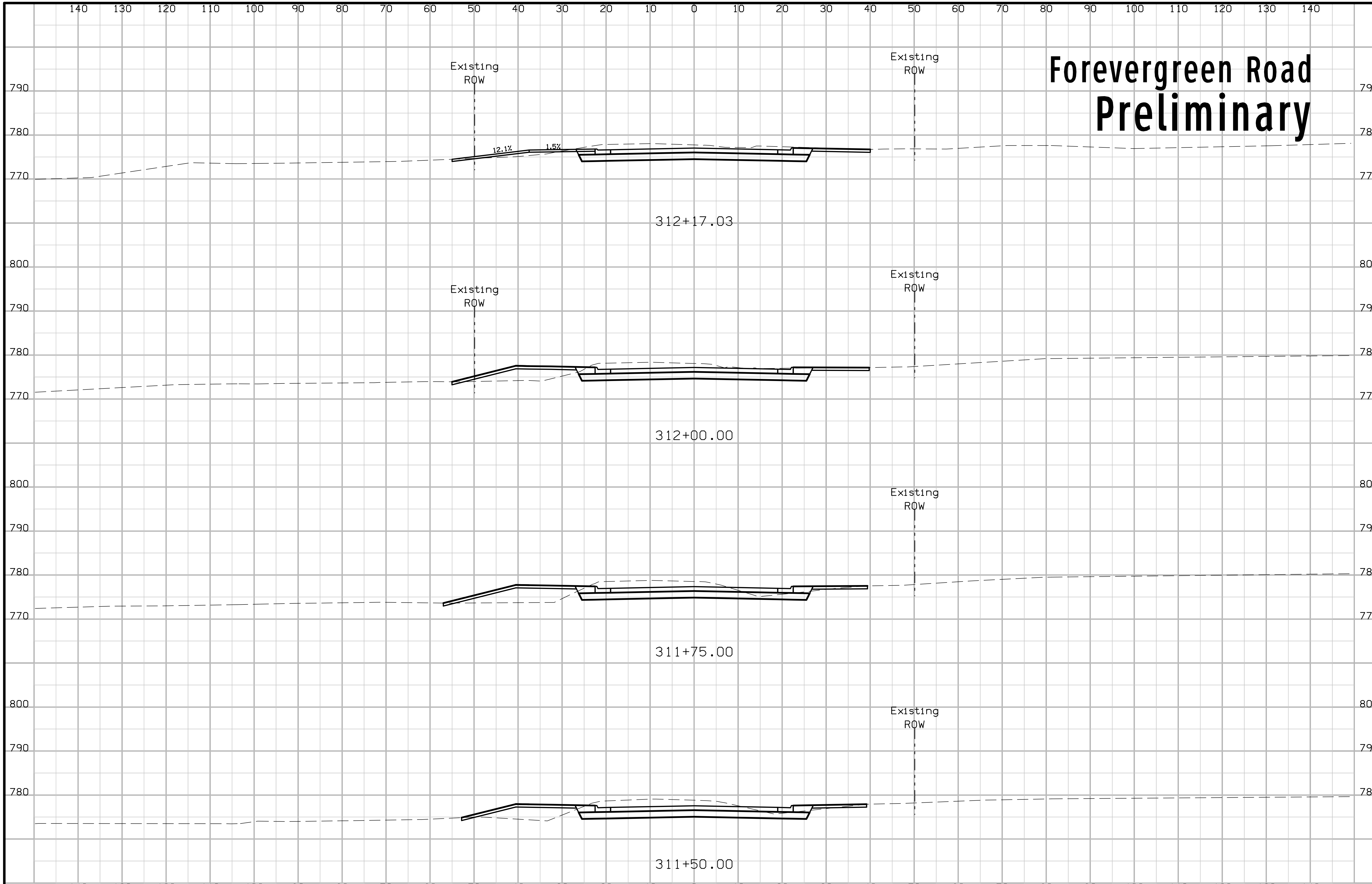
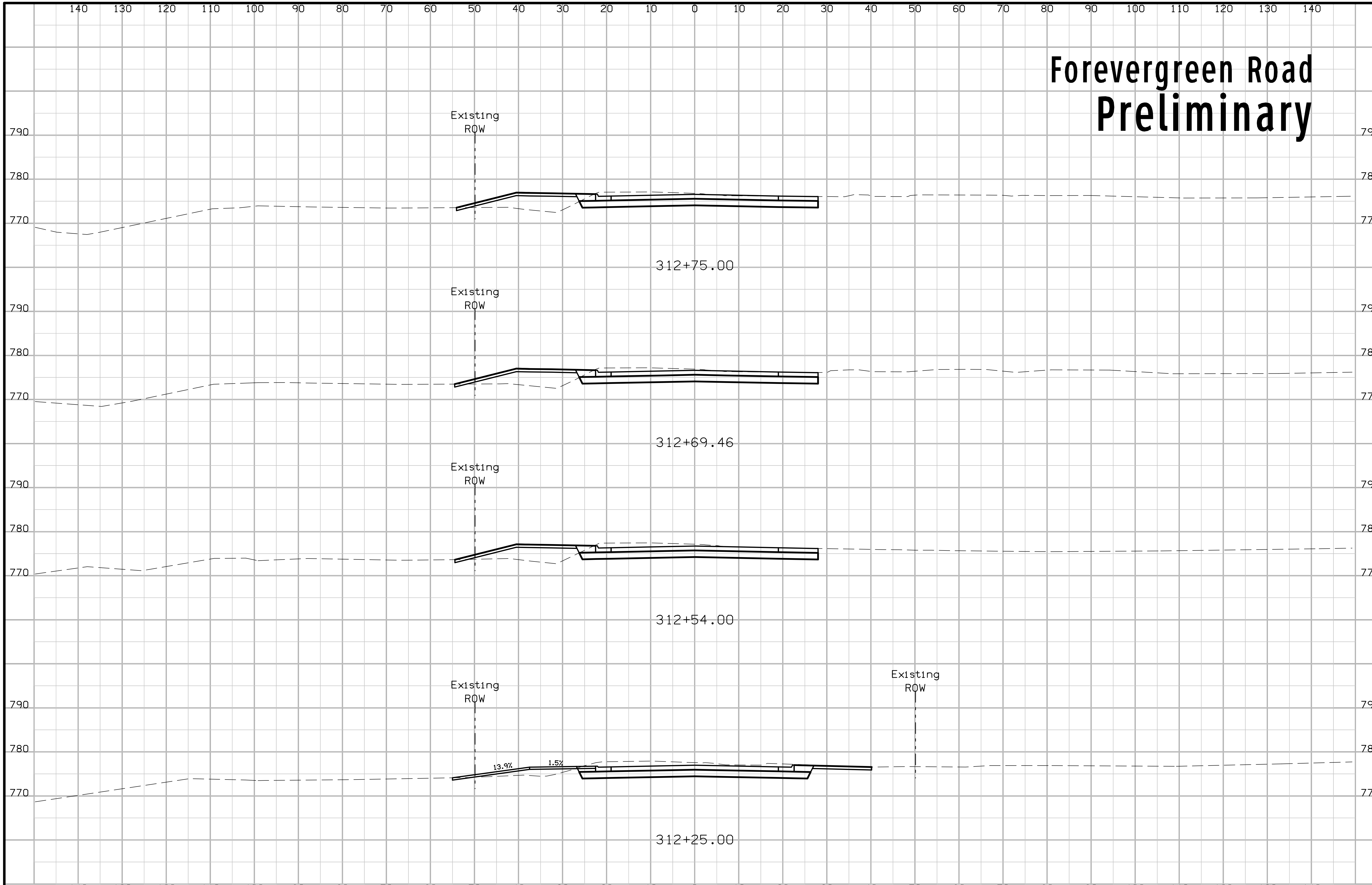


FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller	JOHNSON COUNTY	PROJECT NUMBER NHS-380-6(337)2--11-52	SHEET NUMBER W.22

Forevergreen Road
Preliminary



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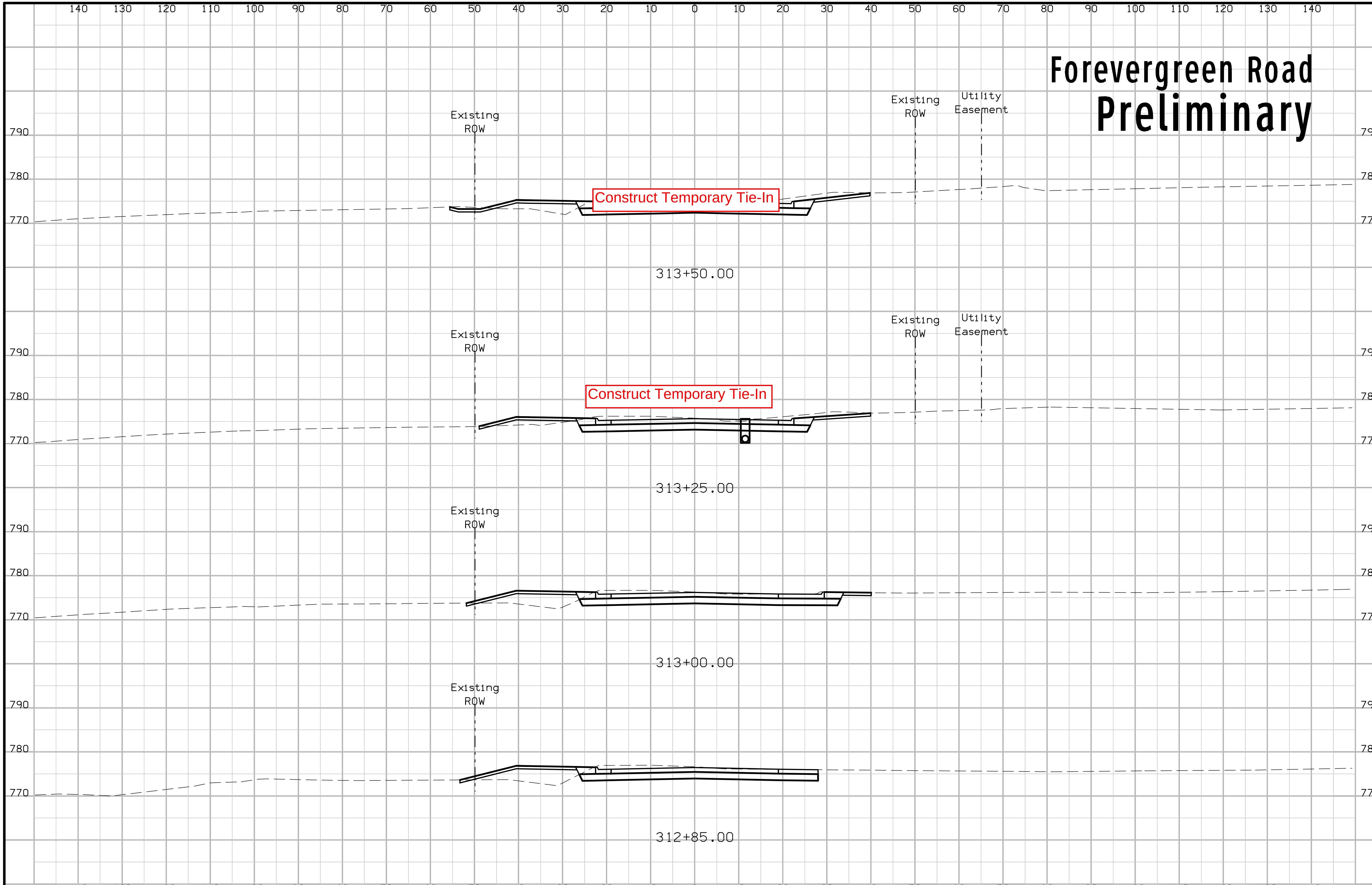

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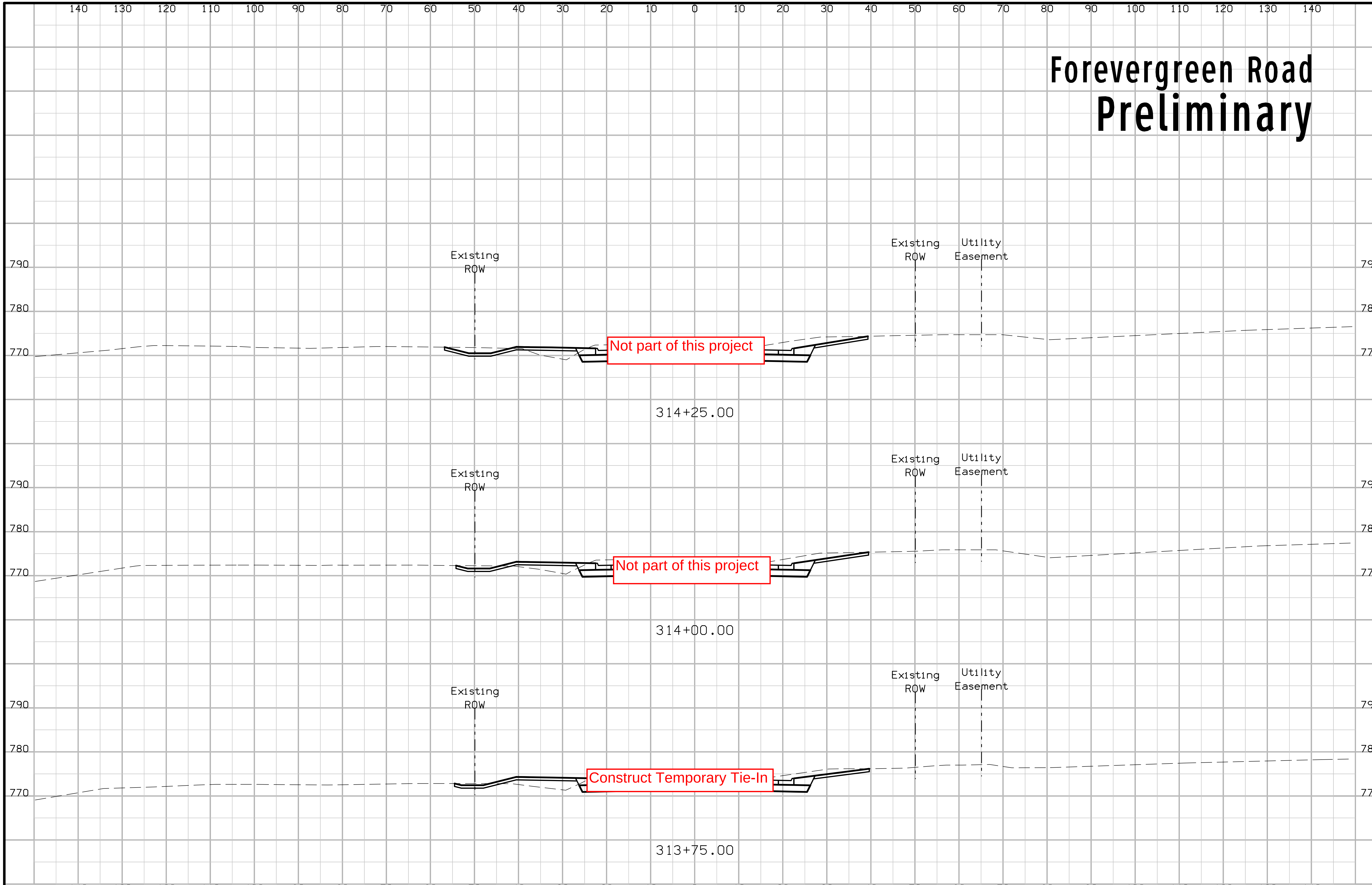

FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller	JOHNSON COUNTY	PROJECT NUMBER NHS-380-6(337)2--11-52	SHEET NUMBER W.25

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