PCC PAVEMENT - GRADE AND NEW
IMN-080-6(483)208--0E-48
IOWA Co.

LETTING DATE 12-20-2022

INDEX OF SHEETS

IOWA DOT

Highway Division

PLANS OF PROPOSED IMPROVEMENT ON THE

INTERSTATE ROAD SYSTEM

IOWA COUNTY

PCC PAVEMENT - GRADE AND NEW

Rest Area near Victor (EB)

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
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Know what's below. Call before you dig.

REVISIONS

TOTAL 131
PROJECT IDENTIFICATION NUMBER
19-48-080-010
PROJECT NUMBER
IMN-080-6(483)208--0E-48
R.O.W. PROJECT NUMBER

Anticipated Project Development Schedule:

D0 Pre-Design Concept
August 25, 2020

D2 Design Field Exam
January 11, 2021

D3 Plans for Preliminary Bridge
January 22, 2021

D5 Plans to Right of Way
April 16, 2021

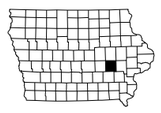
Preliminary Earthwork:

___,000 CY Cut (Total)
___,000 CY Fill (Total)

MILEAGE SUMMARY 105-1 09-27-94

Div.	Location	Lin. Ft.	Miles
1	I-80 East Bound		
	Sta. 167+11.42 to Sta. 173+09.85	598.43	0.11
	Sta. 178+07.63 to Sta. 184+51.07	643.44	0.12
	Sta. 200+30.00 to Sta. 224+57.68	2427.68	0.46
	Ramp E		
	Sta. 2173+11.59 to Sta. 2201+09.51	2797.92	0.53
	Ramp F		
	Sta. 4189+77.51 to Sta. 4212+27.76	2250.25	0.43
	Ramp G		
	Sta. 3176+46.70 to Sta. 3195+18.71	1872.01	0.35
	Ramp H		
	Sta. 3195+18.71 to Sta. 321145.35	1626.64	0.31
	Total	12216.37	2.31

For Project Location Map refer to Sheet A.2



I-80 EB Rest Area DESIGN DATA RURAL		
2020 AADT	1,200	V.P.D.
2040 AADT	1,400	V.P.D.
20-- DHV	--	V.P.H.
TRUCKS	--	%
Total Design ESALs	--	

I-80 EB DESIGN DATA RURAL		
2020 AADT	29,600	V.P.D.
2040 AADT	--	V.P.D.
20-- DHV	--	V.P.H.
TRUCKS	28	%
Total Design ESALs	--	

INDEX OF SEALS

SHEET NO.	NAME	TYPE
A.1	Cindy A. Spencer	Primary Signature Block

PRELIMINARY PLANS

Subject to change by final design.

D2 PLAN - Date: 01/11/2021

FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER A.1

SYSTEMTIME SYSTEMDATE USERNAME DGNSPEC

R-12W

R-11W

VICTOR

H A R T F O R D

INTERSTATE R.R. LTD.

POP. 893

POWESHIEK/IOWA

190TH ST

200TH ST

210TH ST

220TH ST

230TH ST

240TH ST

216TH ST

A DIAGONAL

A AVE

B AVE

C AVE

D AVE

E AVE

F AVE

G AVE

H AVE

HH AVE

I AVE

EE AVE

Creek

Bear

Little

Big

T-80N

T-79N

PIPELINE (AMMONIA)

80

Sta 164+99.76
Begin Project

Sta 224+57.68
End Project

BURLINGTON (2 LINES)

Location Map not to Scale

FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER A.2

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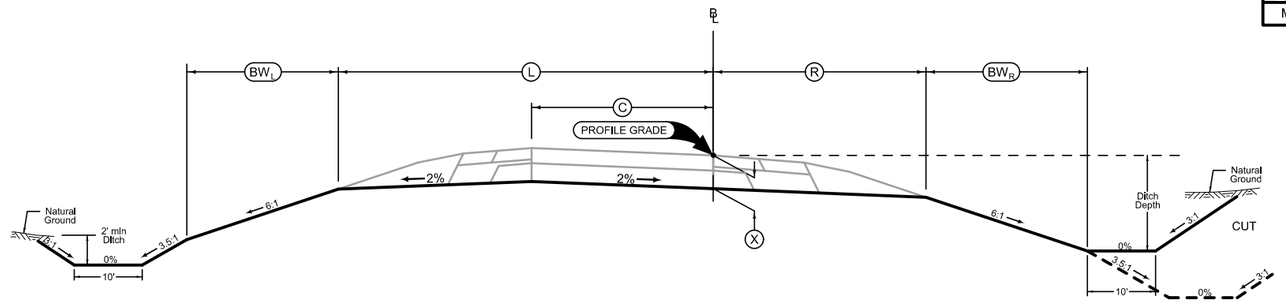
LOCATION				DIMENSIONS					
INTERCHANGE	RAMP	STATION TO STATION		(L) Feet	(R) Feet	(C) Feet	(X) Inches	(BW_L) Feet	(BW_R) Feet
				33.77	19.5	16	22		
				33.77	19.5	16	22		
				33.77	19.5	16	22		
				33.77	19.5	16	22		

G_1R_Grade
Modified

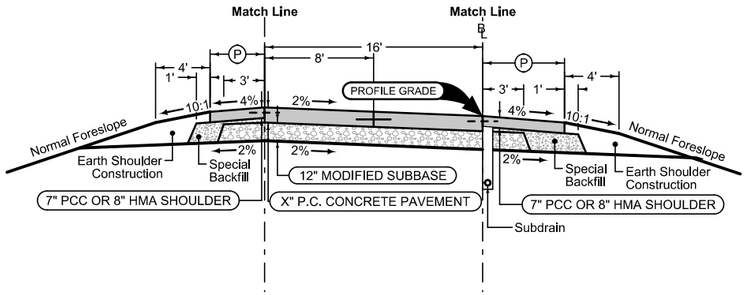


RAMP GRADING

Paved Shoulder Alternates

PCC Shoulder Jointing:
Longitudinal joint: BT-1 or BT-5
Transverse joints: C at 15' spacing
HMA Shoulder Jointing:
Longitudinal joint: B

1R_P_ALT_ 10-16-18		
BEGIN STATION	END STATION	(P) Feet
2173+11.59	2184+90.82	4
3178+86.70	3189+65.06	4
3195+05.44	3209+05.35	4
4206+48.47	4212+78.44	4



Section shown in the direction of traffic.

Ramp Jointing:
Transverse joints: CD at 15' spacing.
Longitudinal joints: L-2

1RP_ 10-17-17		
BEGIN STATION	END STATION	(X) Inches
2173+11.59	2184+90.82	10
3178+86.70	3189+65.06	8.5
3195+05.44	3209+05.35	8.5
4206+48.47	4212+78.44	10

Paved Shoulder Alternates

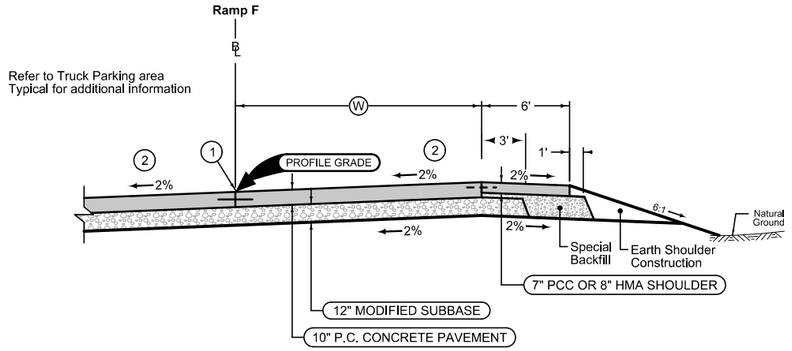
PCC Shoulder Jointing:
Longitudinal joint: BT-1 or BT-5
Transverse joints: C at 15' spacing
HMA Shoulder Jointing:
Longitudinal joint: B

1R_P_ALT_ 10-16-18		
BEGIN STATION	END STATION	(P) Feet
2173+11.59	2184+90.82	6
3178+86.70	3189+65.06	6
3195+05.44	3209+05.35	6
4206+48.47	4212+78.44	6

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

See Tab 112-9 for shoulder quantities.

INTERSTATE 80 IOWA COUNTY REST AREA EASTBOUND RAMPS

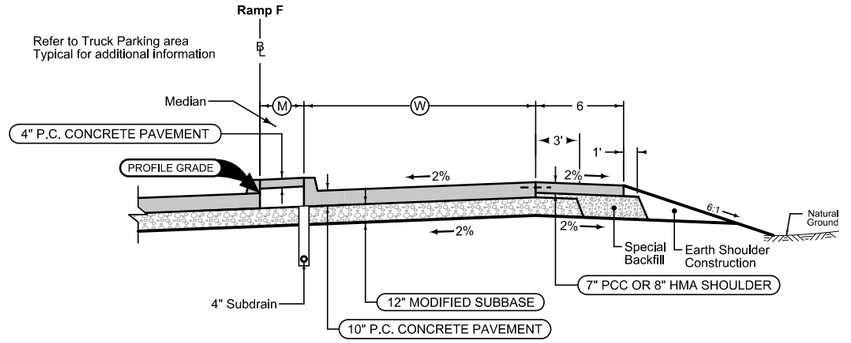


BEGIN STATION	END STATION	(W) Feet
4195+72.54	4197+32.54	0-16.0
4202+16.37	4206+48.47	60.64-0

(1) Eliminate curb on right side of Truck Parking area thru Tapers.

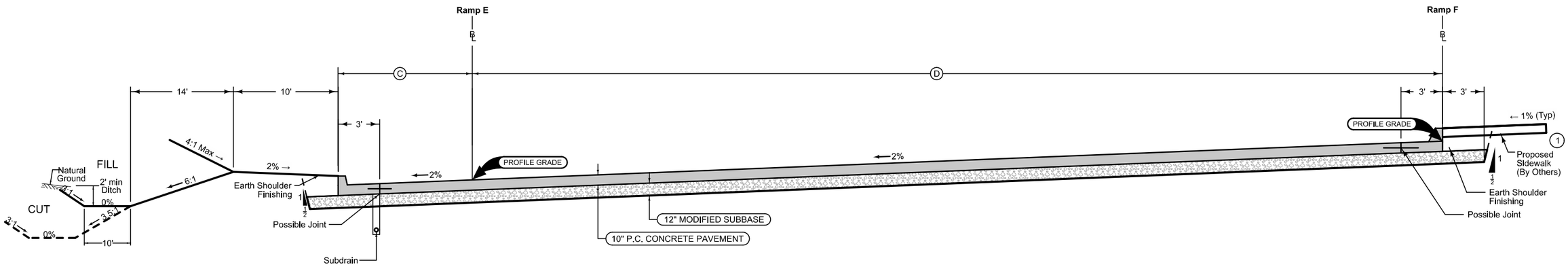
(2) Cross slope may vary in areas of Super Elevation.

INTERSTATE 80 IOWA COUNTY REST AREA
TRUCK INSPECTION AREA - TAPERS



BEGIN STATION	END STATION	(M) Feet	(W) Feet
4197+32.54	4197+79.28	0-4.67	16.0
4197+79.28	4198+32.54	4.67-10.0	16.0-22.86
4198+32.54	4200+47.28	10.0	22.86-72.0
4200+47.28	4201+27.28	10.0	72.0
4201+27.28	4202+16.37	10.0	72.0-50.64

INTERSTATE 80 IOWA COUNTY REST AREA
TRUCK INSPECTION AREA - PARKING



Integral Curb

Shoulder jointing:
Longitudinal joint not required when distance from back of curb to nearest joint is less than 16':

Transverse: CD at 17' spacing
Single pour: L-2
Staged : KT-2

BEGIN STATION	END STATION	(C) Feet	Curb Type See PV-102
2184+90.82	2186+45.82	16-31.5	
2186+45.82	2199+91.95	31.5	

PARK. LOT	BEGIN STATION	END STATION

Section view is in direction of traffic.
Refer to Grading Typical above for dimensions and special notes.

(1) Only install sidewalk adjacent to full-width pavement.
Do not install in tapers.

Integral Curb

Shoulder jointing:
Longitudinal joint not required when distance from back of curb to nearest joint is less than 16':

Transverse: CD at 17' spacing
Single pour: L-2
Staged : KT-2

BEGIN STATION	END STATION	(D) Feet	Curb Type See PV-102
2184+91.80	2187+21.32	0-61.5	
2187+21.32	2195+99.50	61.5	

INTERSTATE 80 IOWA COUNTY REST AREA
TRUCK PARKING LOTS

FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER B.2

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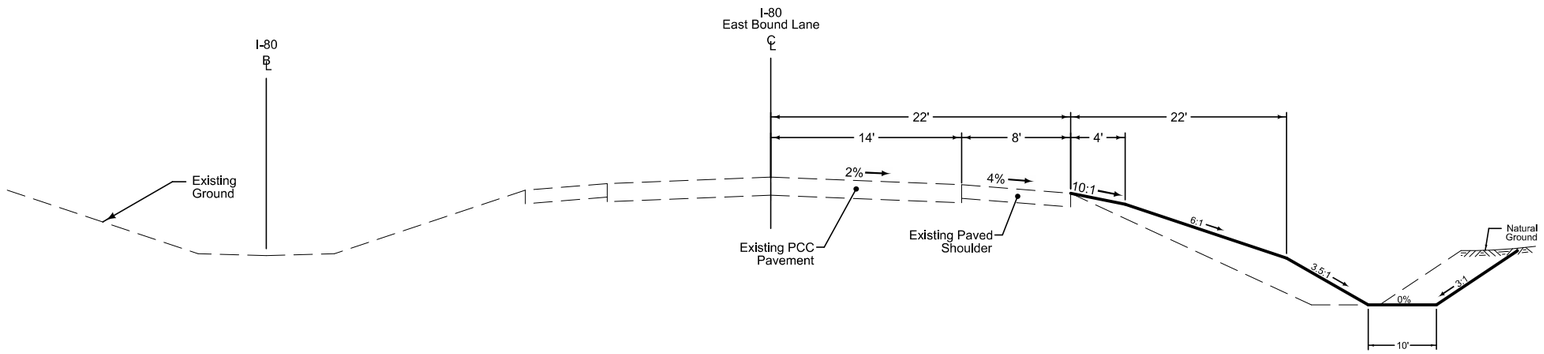
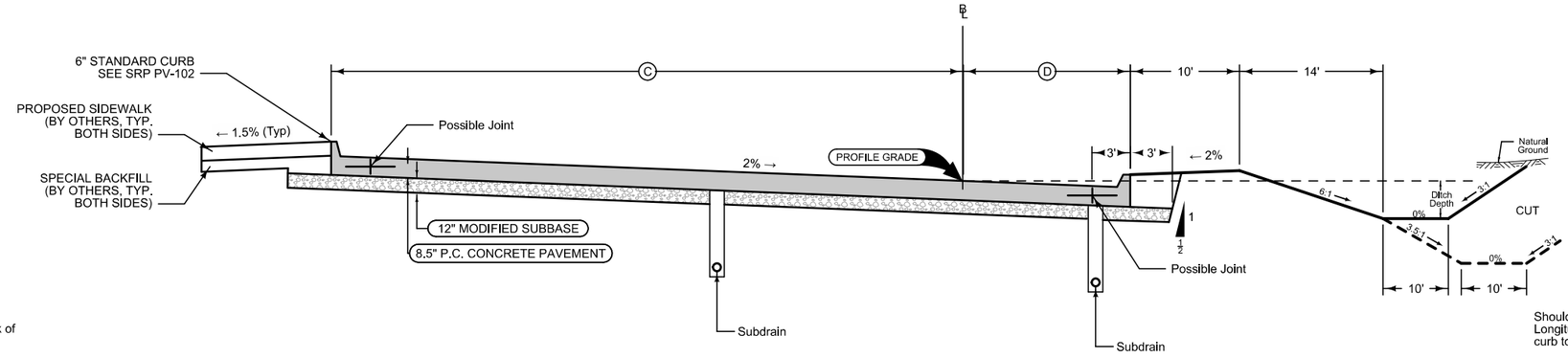


Refer to Plan and Profile sheets for Ditch Grade elevations

BEGIN STATION	END STATION
165+00.00	175+17.00
178+75.00	209+88.00
210+11.00	225+58.00

INTERSTATE 80
FORESLOPE IMPROVEMENTS



Integral Curb

Shoulder jointing:
Longitudinal joint not required when distance from back of curb to nearest joint is less than 16':

Transverse: C at 17' spacing
Single pour: L-2
Staged : KT-2

BEGIN STATION	END STATION	Ⓒ Feet
3189+65.06	3189+78.34	16-39
3189+78.34	3195+05.44	39

PARK. LOT	BEGIN STATION	END STATION

Section view is in direction of traffic.

Integral Curb

Shoulder jointing:
Longitudinal joint not required when distance from back of curb to nearest joint is less than 16':

Transverse: C at 17' spacing
Single pour: L-2
Staged : KT-2

BEGIN STATION	END STATION	Ⓓ Feet
3189+65.06	3189+73.24	0-10
3189+73.24	3195+05.44	10

INTERSTATE 80 IOWA COUNTY REST AREA
AUTO PARKING LOTS

FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER B.3

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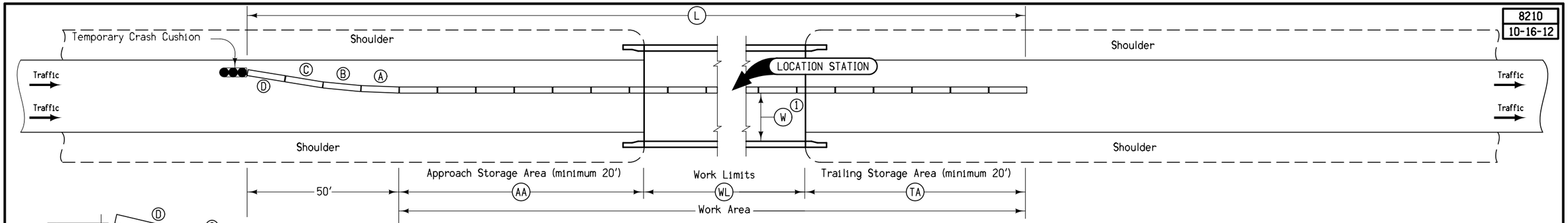
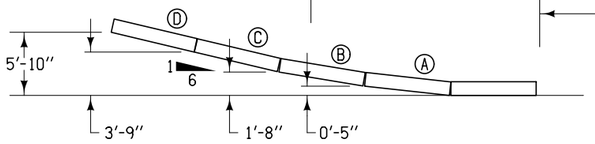




BARRIER OFFSETS FOR FLARE SECTIONS

Station	Side	AA	WL	TA	L	Anchored	W (1)	Remarks
		Feet	Feet	Feet	Feet	X	Ft-Inches	

(1) Where (W) is less than 14'-6", install restricted width signing as per Standard Road Plan TC-81.

TEMPORARY CONCRETE BARRIER LAYOUT for One-Way Traffic

Roadway	I-80 EB Rest Area - Victor		
PIN Number	19-48-080-010	**Submittal Date**	
Project Number	IMN-080-6(483)208--0E-48		**Approval Date**
District	District 6	**Assistant District Engineer**	
County	IOWA	**or**	
Route	I-80	**Office Director**	
Location	EB Rest Area near Victor		
Work Type	PCC Pavement - Grade and New		
Segment Manager			
Designer	Cindy Spencer, Snyder & Associates, Inc.		

Design Manual Section 1C-1
Last Updated: 04-29-19

Ramps

Design Element		Preferred Values	Acceptable Values	Project Values
Design speed (mph)		See Design Speed for Ramps Table Below	See Design Speed for Ramps Table Below	60 / 40
Design lane width (ft)				
Turn-lane width (ft)	Interstate ramps	12	12	N/A
	Non-Interstate ramps	12	10	
Pavement cross-slope (on tangent sections)		2%	1.5% minimum, 2% maximum	2%
Shoulder cross-slope (on tangent sections)		4	Shoulder cross-slope cannot be less than the adjacent lane, 6% max for paved or granular shoulders, 8% max for earth shoulders	4%
Foreslope (For fill areas greater than 40 ft, contact the Soils Design Section for assistance)	Adjacent to shoulder	10:1 for 4' then 6:1	4:1 for interstates*, 3:1 for other roadways	10:1 / 6:1
	Beyond standard ditch depth and design clear zone	3.5:1	3:1	3.5:1
	Curbed roadways	2%	not steeper than 3:1	
Bridge width—new**		design lane widths + effective shoulder widths	design lane widths + effective shoulder widths	N/A
Bridge width—existing**		design lane widths + effective shoulder widths	design lane widths + effective shoulder widths	N/A
Vertical clearance (ft) (above lanes, shoulders and 25 feet left and right of the center of railroad tracks)	Over primary	16.5	16	N/A
	over non-primary	16.5 at interchange locations, 15 at all other locations	14	
	over railroad	23.3	23.3	
	sign truss and pedestrian bridges	17.5	17	
Structural Capacity		Contact Office of Bridges and Structures	Contact Office of Bridges and Structures	

*Design Exception required for ramps on the Interstate system only
**FHWA notification via email is required if acceptable cirteria is not met on the Interstate or NHS systems (No formal design exception required)

Design Manual Section 1C-1
Last Updated: 04-29-19

Effective Shoulder Width and Type for Ramps

Design Element		Ramp Type: Preferred: Diagonal one lane	Diagonal two lane	Loop	Semi-Directional one lane	Semi-Directional two lane	Directional one lane	Directional two lane	Acceptable: Diagonal Radius*> 500 feet* one lane	Diagonal Radius*> 500 feet* two lane	Loop	Semi-Directional Radius > 500 feet* one lane	Semi-Directional Radius > 500 feet* two lane	Directional Radius > 500 feet one lane	Directional Radius > 500 feet two lane	Project Values
Full depth paved width (ft)		16	24	18	16	24	16	24	14	22	17	14	22	14	22	16
Design lane width (ft)		16	12	18	16	12	16	12	14	11	17	14	11	14	11	16
Paved shoulder width (ft) (in the direction of travel)**	Left	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	Right	6	6	6	6	6	8	8	6	6	6	6	6	8	8	6
***Granular shoulder width (ft) (in the direction of travel)	Left	4	-	-	-	-	-	-	4	-	-	-	-	-	-	N/A
	Right	6	-	-	-	-	-	-	6	-	-	-	-	-	-	N/A
Curb type	Interstate	4-inch sloped							4-inch sloped							
	Non-Interstate	4-inch sloped							6-inch sloped							

*For radii less than 500 feet, refer to design widths of pavement for turning roadways in A Policy on Geometric Design of Highways and Streets
**Left and right shoulders widths may be reversed if needed to provide additional sight distance
***Non-Interstate interchanges only

Notes:

Curb in parking area will be 6" non-sloped. No curb expected in locations where design speed is over 40 mph.

Ramp Design Speed (mph) = 60 / 40

Design Manual Section 1C-1
Last Updated: 04-29-19

Design Criteria for Ramps Based Upon Design Speed

Design Element			Preferred Criteria, Design Speed, mph: 25	30	35	40	45	50	55	60	Acceptable Criteria, Design Speed, mph: 25	30	35	40	45	50	55	60	Project Values
Stopping sight distance (ft) (Refer to Section 6D-1)			155	200	250	305	360	425	495	570	155	200	250	305	360	425	495	570	570 / 305
Minimum horizontal curve radius (ft) and superelevation rate (Refer to Sections 2A-2 and 2A-3)	Method 2 superelevation and side friction distribution	e = 4% max	See Table 10 in Section 2A-3					–	–	–	--								
	Method 5 superelevation and side friction distribution	e_{max} = 6%	144	231	340	485	643	833	1060	1330	144	231	340	485	643	833	1060	1330	1330 / 485
		e_{max} = 8%	–	–	–	–	–	–	–	–	134	214	314	444	587	758	960	1200	
Minimum vertical curve length (ft) (Refer to Section 2B-1)			75	90	105	120	135	150	165	180	75	90	105	120	135	150	165	180	180 / 120
Minimum Rate of Vertical Curvature (Refer to Section 2B-1)	crest vertical curves		12	19	29	44	61	84	114	151	12	19	29	44	61	84	114	151	151 / 44
	sag vertical curves	roadways without fixed-source lighting	26	37	49	64	79	96	115	136	26	37	49	64	79	96	115	136	
		roadways with fixed-source lighting	26	37	49	64	79	96	115	136	14	20	27	35	44	54	66	78	136 / 64
Minimum gradient (%)	(Refer to Section 2B-1)		0.5								0.3% with a curb, 0.0% without a curb								0.5%
Maximum gradient (%) on ramps	(Refer to Sections 2B-1)	Upgrades	4								8	7	6	6	5	5	5	5	4
		Downgrades									Equal to the maximum upgrade gradient. In special cases, may be 2% greater but in no case greater than 8%								
Clear zone			See "Preferred Clear Zone" table in Section 8A-2								See "Acceptable Clear Zone" table in Section 8A-2								24

Ramp Design Speed (mph) =

Design Manual Section 1C-1
Last Updated: 04-29-19

Design Speed for Ramps

Design Element	Ramp Type: Preferred: All curves near free flow terminals	Diagonal: Curves near at-grade terminals	Loop	Semi-Directional	Directional	Acceptable: All curves near free flow terminals	Diagonal: Curves near at-grade terminals	Loop	Semi-Directional	Directional	Project Values
Design speed (mph)	60	40	30	50	60	50	35	25	40	40	60 / 40
Maximum superelevation rate (Refer to Section 2A-2 for details)	6%	4%	6%			8%					6%

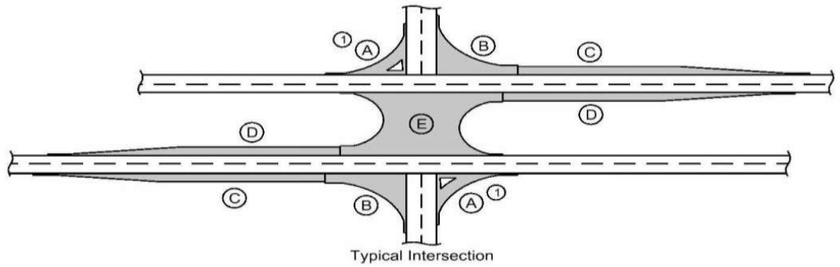
Ramp Design Criteria

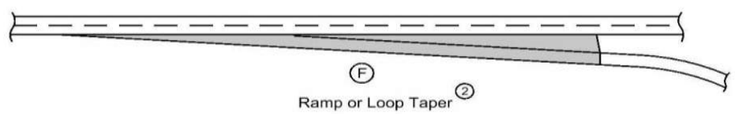
DRAINAGE STRUCTURE BY ROAD CONTRACTOR

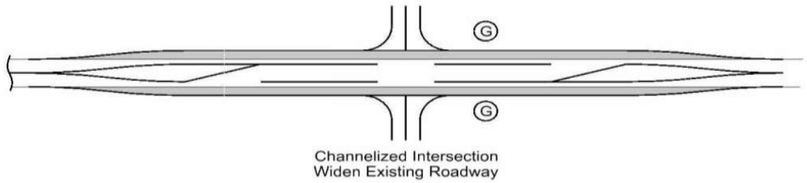
Length of unclassified pipe calculated is based on using Reinforced Concrete Pipe.
* Not a bid item
(1) Diameter or equivalent diameter
(2) UNCL = Unclassified Pipe CMP = Corrugated Metal Pipe RCP = Reinforced Concrete Pipe LCP = Arch or Elliptical Low Clearance Pipe SARC = Steel Arch Pipe
(3) Backfill according to DR-101

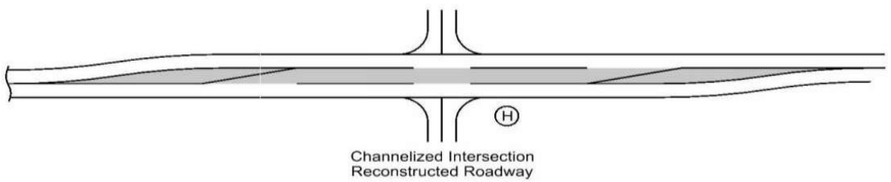
Drainage Area	Location	Type	Size (1)	Kind Of Pipe (2)	Length New Const.	Bedding Class	Design Cover (H)	Camber* (DR-102)	Apron No.		Apron Guard* (DR-213)	Elbow* (DR-141)	Diaphragm* (DR-501)	Tee Section* (DR-142)	"D" Section* (DR-141)	Reducer*	Type 'C' Connections* (DR-122)		Connected Pipe Joint* (DR-121)	4" Perforated Subdrain*	Flow Line Elevations				Dimensions Lin. Ft. Total		Dimensions Lin. Ft. Extensions		Skew Ahead Degrees		Dike Rt. \ Lt.	Dike Location Station	Dike Top Elevation	Dike Type	Class 20	Flowable Mortar	Floodable* Backfill (A)	Porous* Backfill (B)	Flooded Backfill (3) (A+B)	Remarks
ACRE			IN		LF		FT	FT	LT	RT	No.	No.	No.	No.	No.	No.	Type	No.	Type	FT	Lt.	Rt.	Other	Other	Lt.	Rt.	Lt.	Rt.	Lt.	Rt.	Lt.				CY	CY	CY	CY	CY	
3.9	3182+70.00	DR-601	24	2000D	134	B	3.5	0.08	1	1	1										916.00	917.11			114.6	31.7														
22.6	3187+54.00	DR-601	36	2000D	70	B	5.1	0.17	1	1	1										915.52	916.42			55.1	30.9														
11.5	3201+68.00	DR-601	30	2000D	82	B	6.0	0.17	1	1	1										911.50	912.11			55.4	38.9														
2.0	4209+91.00	DR-601	24	2000D	62	B	2.9	0.08	1	1	1										901.50	899.76			44.3	30.0														
	164+99.76	DR-621	30	2000D	14	B											C-1	1				912.60	912.67			88.0		14.0												
	180+98.74	DR-621	24		-6												C-1	1				921.50				88.4		-6.0												
	185+27.70	DR-621	42		-44												C-1	1				913.91				107.3		-44.0		25										
	194+38.67	DR-621	24	2000D	14	B											C-1	1				914.35	914.25			88.1		14.0												
	199+92.10	DR-621	30		-44												C-1	1				909.61				95.7		-44.0		10										
	206+70.37	DR-621	24	2000D	6	B											C-1	1				909.04	908.98			88.4		6.0												
	213+75.10	DR-621	30	2000D	32	B				1							C-1	1				892.38	891.58			167.2		32.0		39										36" per AB
	219+44.37	DR-621	24	2000D	16	B											C-1	1				881.58	881.37			88.7		16.0												

PCC PAVEMENT









(1) Does not include raised island area or curb. Refer to tabulation 112-4 for quantities.
(2) Refer to PV-410, PV-411, PV-412, and PV-414.
(3) Quantity includes Pavement Header.

Location: Road Identification	Direction of Travel	Station to Station		Mainline: Width	Length	Area	Area (3): A (1)	B	C	D	E	F (2)	G	H	Total Area By Pavement Thickness: 10 IN	8½ IN	Special Backfill	Modified Subbase	Granular Subbase	Remarks
				FT	FT	SY	SY	SY	SY	SY	SY	SY	SY	SY	SY	SY	TONS	CY	SY	
Ramp E	EB	2173+11.59	2184+90.82	16.0	1179.2	2096.4						1332.0			3428.4			1471.5		
		2184+90.82	2186+45.82	16-31.5	155.0	409.0									409.0			153.6		
		2184+91.80	2187+21.32	0-61.5	229.5	784.2									784.2			286.9		
		2186+45.82	2199+91.95	31.5	1346.1	4711.5									4711.5			1720.1		
Ramp F	EB	4186+94.37	4199+65.00	61.5	1270.6	8682.6									8682.6			3035.4		
		4195+72.54	4206+48.47	Varies	1075.9	3714.2									3714.2			1357.6		
		4199+65.00	4202+58.95	93-16	294.0	1780.0									1780.0			626.0		
		4202+58.95	4212+27.76	16.0	968.8	1722.3						1793.0			3515.3			1523.7		
Ramp G	EB	3178+86.70	3189+65.06	16.0	1078.4	1917.1						213.3				2130.4		949.8		
		3189+65.06	3189+78.34	Varies	13.3	50.8										50.8		19.9		
		3189+78.34	3194+95.44	49.0	517.1	2815.3										2815.3		1053.4		
		3194+95.44	3195+18.72	Varies	23.3	89.5										89.5		35.0		
Ramp H	EB	3195+18.72	3209+05.35	16.0	1386.6	2465.1						213.3				2678.4		1200.9		

SHOULDERS

(1) Lane(s) to which the shoulder is adjacent.
(2) See Typ. 7156, 7157, or 7158.
(3) Bid Item.
(4) Applies only for Paved Shoulders constructed on project with existing granular shoulders.
(5) Bid Item. Typ. 7156, 7157, or 7158.
(6) Does not include shrink.

Calculations assume a HMA unit weight (lbs/cf) of 150, a Special Backfill unit weight (lbs/cf) of 140, and a Granular Shoulder unit weight (lbs/cf) of 140.

Location					Quantities																				
Road Identification	(1) Direction Of Traffic	Station to Station		Side	(P) Width	(P_{SG}) Width	(G) Width	(L) Length	Class 13 (4) Excavation	Hot Mix Asphalt		Binder	Paved Shoulder	_" Paved Shoulder at Guardrail	Reinforced Paved Shoulder	Special Backfill				_____ Subbase	Granular Shoulder			Earth Shoulder Construction Alternates			Remarks
																HMA Alternate		PCC Alternate						STA (3)	HMA	PCC	
					FT	FT (2)	FT	FT	CY (3)	TON	TON/STA	TONS	SY (3)	SY (5)	SY (3)	TON (3)	TON/STA	TON (3)	TON/STA	CY (3)	TON (3)	TON/STA		CY (6)	CY (6)	
Ramp E	EB	2167+11.32	2167+79.62	R	10 to 6			68.3					60.7					39.443	57.750					0.7			
		2167+79.62	2176+43.73	R	6.0			864.1		259.233	30.000	15.554	576.1					347.804	40.250					8.6			
		2178+84.26	2179+99.56	R	0 to 6			115.3		17.295	15.000	1.038	38.4					23.204	20.125					1.2			
		2179+99.56	2184+91.80	R	6.0			492.2		147.672	30.000	8.860	328.2					198.127	40.250					4.9			
		2184+91.80	2185+14.19	R	6 to 0			22.4		3.359	15.000	0.202	7.5					4.506	20.125					0.2			
		2173+11.59	2184+90.13	L	4.0			1178.5		236.003	20.025	14.160	523.8					268.118	22.750					11.8			
		2184+90.13	2185+30.82	L	4 to 0			40.7		4.059	9.975	0.244	9.0					4.628	11.375					0.4			
Ramp F	EB	4195+71.95	4206+24.88	R	6.0			1075.1		322.530	30.000	19.352	716.7					216.364	20.125					10.8			
		4206+24.88	4207+74.92	R	6 to 0			150.0					50.0					30.196	20.125					1.5			
		4210+15.46	4222+56.77	R	6.0			1241.3		372.393	30.000	22.344	827.5					499.627	40.250					12.4			
		4222+56.77	4224+56.42	R	6 to 10			199.6		29.947	15.000	1.797	177.5					115.298	57.750					2.0			
		4202+37.44	4202+58.95	L	0 to 4			21.5		2.146	9.975	0.129	4.8					2.447	11.375					0.2			
		4202+58.95	4212+27.76	L	4.0			968.8		194.004	20.025	11.640	430.6					220.404	22.750					9.7			
Ramp G	EB	3176+46.70	3189+65.06	R	6.0			1318.4		395.508	30.000	23.730	878.9					449.890	34.125					13.2			
		3189+65.06	3189+69.97	R	6 to 0			4.9		0.736	15.000	0.044	1.6					0.838	17.066					0.0			
		3178+86.70	3180+00.57	L	0 to 4			113.9		11.359	9.975	0.682	25.3					10.466	9.191					1.1			
		3180+00.57	3189+65.06	L	4.0			964.5		193.139	20.025	11.588	428.7					177.225	18.375					9.6			
		3189+65.06	3189+67.37	L	4 to 0			2.3		0.230	9.975	0.014	0.5					0.212	9.191					0.0			
Ramp H	EB	3194+99.43	3195+05.43	R	0 to 6			6.0		0.900	15.000	0.054	2.0					1.024	17.066					0.1			
		3195+05.43	3211+45.35	R	6.0			1639.9		491.976	30.000	29.519	1093.3					559.623	34.125					16.4			
		3195+05.43	3195+07.74	L	0 to 4			2.3		0.230	9.975	0.014	0.5					0.212	9.191					0.0			
		3195+07.74	3207+57.40	L	4.0			1249.7		250.244	20.025	15.015	555.4					229.625	18.375					12.5			
		3207+57.40	3209+05.35	L	4 to 0			147.9		14.758	9.975	0.885	32.9					13.598	9.191					1.5			
I-80	EB	178+08.08	184+51.07	R	8.0			643.0		257.035	39.975	15.422	571.5											6.4			
	EB	200+91.58	212+27.88	R	8.0			1136.3		454.236	39.975	27.254	1010.0											11.4			

TEMPORARY BARRIER RAIL

Possible Standard: BA-401 Possible Detail: 560-7

* Not a bid item. Anchorage requirements are based on TBR locations shown in the plans. TBR alignments that vary from what is shown in the plans may result in additional TBR sections requiring anchorage.

No.	Station to Station		Length	(Select One) Concrete	(Select One) Steel	Anchored*	Modular Glare Screen System	Remarks
			LF	BA-401	560-7	(Y/N)	(Y/N)	
1	166+31.00	184+81.00	1850.0	X		Yes	No	Stage 2 construction
2	200+20.00	224+82.50	2462.5	X		Yes		Stage 2 construction

CRASH CUSHIONS

* Bid Item
(1) Lane(s) to which the installation is adjacent.
(2) Complete this section when using the Temporary Crash Cushion bid item and Earthwork is needed for Sand Barrel placement. Refer to BA-500

No.	(1) Direction of Traffic	Location Station	Side	Obstacle Width	Crash Cushion (Select One)*					Sand Barrel Details (2)					Earthwork*		Spare Parts Kit (Select One)*		Obstacle Description	Remarks
					Temporary	Temporary Redirective	Temporary Severe Use	Permanent	Permanent Severe Use	(V) Length	(W) Length	(X) Length	(Y) Length	(Z) Length	Excavation Class 10	Embankment in Place	Permanent	Permanent Severe Use		
				FT						FT	FT	FT	FT	FT	CY	CY	EACH	EACH		
1	EB	166+31.00	RT	1.88	X						24.25	5.25	3.25	12.00	0.0	0.0			Temporary barrier rail	
2	EB	200+20.00	RT	1.88	X						24.25	5.25	3.25	12.00	0.0	0.0			Temporary barrier rail	

SURVEY SYMBOLS

- ROW Right of Way Mark
- MM Mile Marker Post
- CP Control Point
- SCR Section Corner
- REF Reference Tie Point
- WC Wild Card (Misc. Field Shot)
- MH Utility Access (Manhole)
- UE Utility Elevation
- MIS Miscellaneous
- CON Concrete or A/C Slab
- IN Storm Sewer Intake
- PIP Pipe Culvert
- PRO Profile Shot
- PLG Location of General Photo
- LIN Miscellaneous Line
- BL Topo Breakline
- LUM Luminaire
- UV Underground Utility Vault
- SI Sign
- SL Speed Limit Sign
- EB Electrical Box
- WEL Well
- FWD Wood Fence
- GL1D Gas Line Co. 1 - Quality D
- TPD Telephone Pedestal
- LP L.P. Tank
- OUT Tile Outlet
- SH Paved Shoulder
- CU Back of Curb
- GU Gutter In Front of Curb
- D Centerline Draw or Stream (Down)
- DU Centerline Draw or Stream (Up)
- GR Ground Shot
- FW Wire Fence
- FCL Chain Link and Security Fence
- EP Edge of Paved Roads (ML or SR)
- BLD Building or Foundation
- WV Water Valve
- SWK Sidewalk
- FLG Flag Poles
- STP Stump
- RIP Rip-Rap
- SOP Size of Pipe or Culvert
- HDG Hedge Row
- GP Guard Post (Less Than 4 Posts)
- Default_Point Default Point Feature
- BM Bench Mark

UTILITY LEGEND

- SAN.(C) — SA1C Iowa DOT- Quality C
  Contact Name: _____
  Contact Phone: _____
  Contact Email: _____
- SAN. — SA1D Iowa DOT- Quality D
  Contact Name: _____
  Contact Phone: _____
  Contact Email: _____
- ST S(C) — ST1C Iowa DOT - Quality C
  Contact Name: _____
  Contact Phone: _____
  Contact Email: _____
- E1 — EL1D TIP Rural Electric Cooperative - Quality D
  Contact Name: _____
  Contact Phone: _____
  Contact Email: _____
- E2 — EL2D Iowa DOT - Quality D
  Contact Name: _____
  Contact Phone: _____
  Contact Email: _____
- T1 — TL1D Cooperative Telephone Company - Quality D
  Contact Name: _____
  Contact Phone: _____
  Contact Email: _____
- G2 — GL2D Iowa DOT - Quality D
  Contact Name: _____
  Contact Phone: _____
  Contact Email: _____
- FO — FO1D Iowa Communications Network - Quality D
  Contact Name: _____
  Contact Phone: _____
  Contact Email: _____
- FO2 — FO2D Cooperative Telephone Company - Quality D
  Contact Name: _____
  Contact Phone: _____
  Contact Email: _____
- FO3 — FO3D Iowa DOT - Quality D
  Contact Name: _____
  Contact Phone: _____
  Contact Email: _____
- W — WL1D Poweshiek Water Association - Quality D
  Contact Name: _____
  Contact Phone: _____
  Contact Email: _____

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 SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER D.1

6:06:49 PM 1/11/2021 mbeerends pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\4808001019\Design\CADD_Files\Sheet_Files\SHT_48080483Z10_LGD.dgn

Curve Data
Δ = 2° 45′ 29.75″ (LT)
T = 551.80
L = 1,103.39
R = 22,920.00
E = 6.64

HARTFORD TWP.
T-80N R-12W
SEC. 33

Sta. 164+99.7
30″x135′ RCP
D.A.=5.0 A-R
(Extend)

Sta. 164+99.76 EBL
Install 30″x14′ RCP Extension
F.L. = Lt. U.A.C.
Rt. 912.67

HARTFORD TWP.
T-80N R-12W
SEC. 34

N

160

165

170

PT Sta 169+42.00

PI Sta 163+90.41

I-80 Existing W.B.

Sta 167+11.42 (I-80)

I-80 Existing E.B.

Taper 15:1 Ratio

Construction Limits

POT Sta 173+09.85, 88.01′ RT (I-80)
= POT Sta 2173+11.59 (Ramp E)
Point 'M' Road Design Detail 533-01

0 FEET 50

940
930
920
910
900
890
880
870

Existing Ground Line
at Eastbound PGL

+1.69% RT Ditch Grade

+1.55% RT Ditch Grade

+00 RT
912.60

+11 RT
916.17

Lt — U.A.C. — Lt
Med — U.A.C. — Med
Rt — U.A.C. — Ditch Grade — Rt

165	166	167	168	169	170	171	172	173
917.77	918.20	918.65	919.13	919.61	920.09	920.58	921.07	921.55
922.02	922.48	922.94	923.41	923.88	924.35	924.84	925.33	925.80
926.27	926.74	927.19	927.65	928.06	928.45	928.83	929.17	929.51
929.81	930.11	930.38	930.62	930.85	931.02	931.20		

FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER D.2

6:06:56 PM 1/11/2021 mbeerends pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\4808001019\Design\CADD_Files\Sheet_Files\SHT_48080483Z10_D02.dgn

Sta. 180+98.7 EBL
24"x82.5' RCP
D.A.=32.0 A-R
(Rt. Remove 6' RCP)
Remove and Reinstall Apron
F.L. = Rt. 921.50

HARTFORD TWP.
T-80N R-12W
SEC. 34

Sta. 185+27.7
SKEW 25 RT AH
42"x320' RCP
D.A.=32.0 A-R
(Rt. Remove 44' RCP)
Remove and Reinstall Apron
F.L. = Rt. 913.91

Sta 186+32.12,
139.55' RT
18" Conc Pipe
(Remove)

N

I-80 Existing W.B.

I-80 Existing E.B.

Remove Pipe

Remove Intake

Ramp E

Ramp G

POT Sta 173+09.85, 88.01' RT (I-80)
= POT Sta 2173+11.59 (Ramp E)
Point 'M' Road Design Detail 533-01

Construction Limits

0 FEET 50

Existing Ground Line
at Eastbound PGL

+1.55% RT Ditch Grade
+09.85 RT
925.43

-0.50% RT Ditch Grade
+75 RT
922.62

-2.87% RT Ditch Grade
+99 RT
921.50

-0.74% RT Ditch Grade
+91 RT
916.00

+0.70% RT Ditch Grade
+75 RT
913.91

Lt U.A.C. Lt

Rt U.A.C.
Ditch Grade | V-Ditch | Ditch Grade Rt

931.02 931.20 931.34 931.46 931.57 931.63 931.70 931.72 931.74 931.72 931.67 931.62 931.52 931.43 931.30 931.15 931.00 930.83 930.66 930.48 930.30 930.10 929.91 929.75 929.54 929.34 929.16 929.00 928.84 928.65 928.47 928.29 928.08 927.89 927.75 927.55 927.35 927.16 927.01 926.81 926.60 926.43 926.24 926.02 925.81 925.61 925.45 925.26 925.08 924.87 924.68 924.51 924.33 924.16 923.98 923.82 923.67 923.52 923.40 923.27 923.14 923.01

173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188

FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER D.3

6:07:03 PM 1/11/2021 mbeerends pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\4808001019\Design\CADD_Files\Sheet_Files\SHT_48080483Z10_D03.dgn

Sta. 194+38.67
Install 24"x14' RCP Extension
F.L. = Lt. U.A.C.
Other 9124.26
Rt. 914.35

Sta. 194+38.7
24"x137' RCP
D.A.=4.0 A-R
(Extend)

Sta 194+39.51,
142.83' RT
15" RCP
(Remove)

HARTFORD TWP.
T-80N R-12W
SEC. 34

Sta. 199+92.1
SKEW 10 LT AH
30"x240' RCP
D.A.=8.0 A-R
(Rt. Remove 44' RCP)
Remove and Reinstall Apron
F.L. = Rt. 909.61

Sta 200+08.42,
124.10' RT
24" RCP
(Remove)

Sta 200+33.28,
94.80' RT
18" RCP
(Remove)

N

SIGN

190 195 200

Construction Limits

I-80 Existing W.B.

I-80 Existing E.B.

Sta 200+30.00 (I-80)

2190 2195 2200

4190 4195 4200

Remove Existing Pipe
Remove Existing Intake

Remove Intakes
Remove Pipe

FO

0 FEET 50

Commercial Buildings

Existing Ground Line
at Eastbound PGL

+0.70% RT Ditch Grade
+53 RT
917.25
-0.75% RT Ditch Grade
+38 RT
914.35
+0.62% RT Ditch Grade
+43 RT
916.25
-2.86% RT Ditch Grade
+9.00% RT DG
+75 RT
909.61
+08 RT
912.61
-0.54% RT Ditch Grade

940 930 920 910 900 890 880 870

Lt U.A.C. Lt
U.A.C.
Rt Ditch Grade Rt

923.14 923.01 922.90 922.78 922.67 922.55 922.45 922.36 922.27 922.18 922.08 922.00 921.91 921.82 921.73 921.64 921.56 921.47 921.38 921.30 921.21 921.12 921.03 920.94 920.85 920.76 920.68 920.61 920.51 920.41 920.32 920.24 920.15 920.06 919.98 919.89 919.80 919.71 919.63 919.54 919.45 919.35 919.26 919.19 919.11 919.02 918.93 918.83 918.73 918.65 918.58 918.44 918.32 918.22 918.12 918.05 917.96 917.88 917.79 917.73 917.64 917.53

188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203

FILE NO.	ENGLISH	DESIGN TEAM	SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER	IMN-080-6(483)208--0E-48	SHEET NUMBER	D.4

6:07:09 PM 1/11/2021 mbeerends pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\4808001019\Design\CADD_Files\Sheet_Files\SHT_48080483Z10_D04.dgn

Sta. 206+70.4
24"x142' RCP
D.A.=2.0 A-R
(Extend)

Sta. 206+70.37
Install 24"x6' RCP Extension
F.L. = Lt. U.A.C.
Other 908.98
Rt. 909.04

HARTFORD TWP.
T-80N R-12W
SEC. 34

Sta. 213+75.1
SKEW 45 LT AH
30"x242' RCP
D.A.=2.0 A-R
(Extend)

Sta. 213+75.10
Skew 40° Lt. Ahead
Install 30"x32' RCP Extension
F.L. = Lt. U.A.C.
Other 991.18
Rt. 892.38

HARTFORD TWP.
T-80N R-12W
SEC. 35

205 210 215

I-80 Existing W.B.

I-80 Existing E.B.

4210 3210 4205 3205

FO FO FO FO

Ramp F
Ramp H

Taper 50:1 Ratio

Construction Limits

POT Sta 212+30.02, 86.87' RT (I-80)
= POT Sta 4212+27.76 (Ramp F)
Point 'G' Road Design Detail 533-02

0 50
FEET

940 930 920 910 900 890 880 870

Existing Ground Line
at Eastbound PGL

-0.54% RT Ditch Grade
+71 RT
909.04
-2.38% RT Ditch Grade
+88 RT
901.50
-3.00% RT Ditch Grade
+11 RT
899.76
+3.52%
RT DG
+57 RT
892.38
+26 RT
894.81
-2.14% RT Ditch Grade

Lt U.A.C. Lt
Rt U.A.C. Rt
Rt Ditch Grade V-Ditch Ditch Grade

917.64 917.53 917.41 917.30 917.18 917.04 916.90 916.73 916.52 916.29 916.04 915.76 915.48 915.16 914.85 914.49 914.10 913.70 913.24 912.78 912.29 911.78 911.26 910.72 910.17 909.62 909.06 908.50 907.94 907.38 906.82 906.27 905.72 905.17 904.62 904.07 903.51 902.94 902.36 901.79 901.25 900.71 900.15 899.59 899.03 898.48 897.92 897.36 896.81 896.24 895.68 895.12 894.56 894.00 893.45 892.91 892.37 891.84 891.31 890.82 890.33 889.87

203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218

FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER D.5

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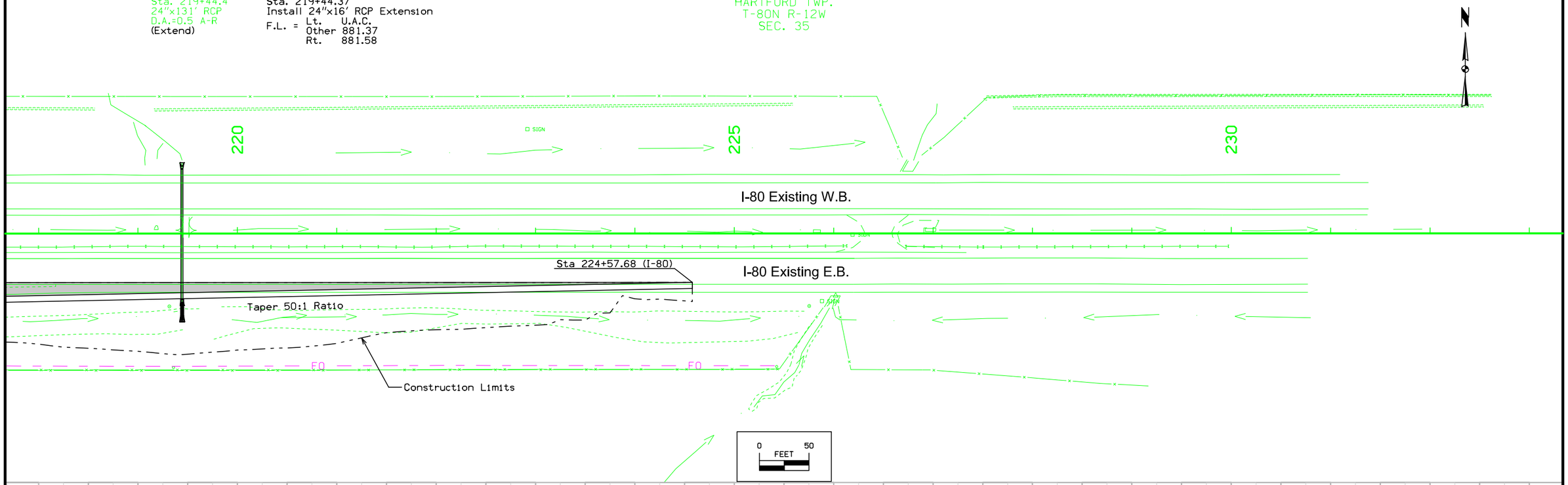
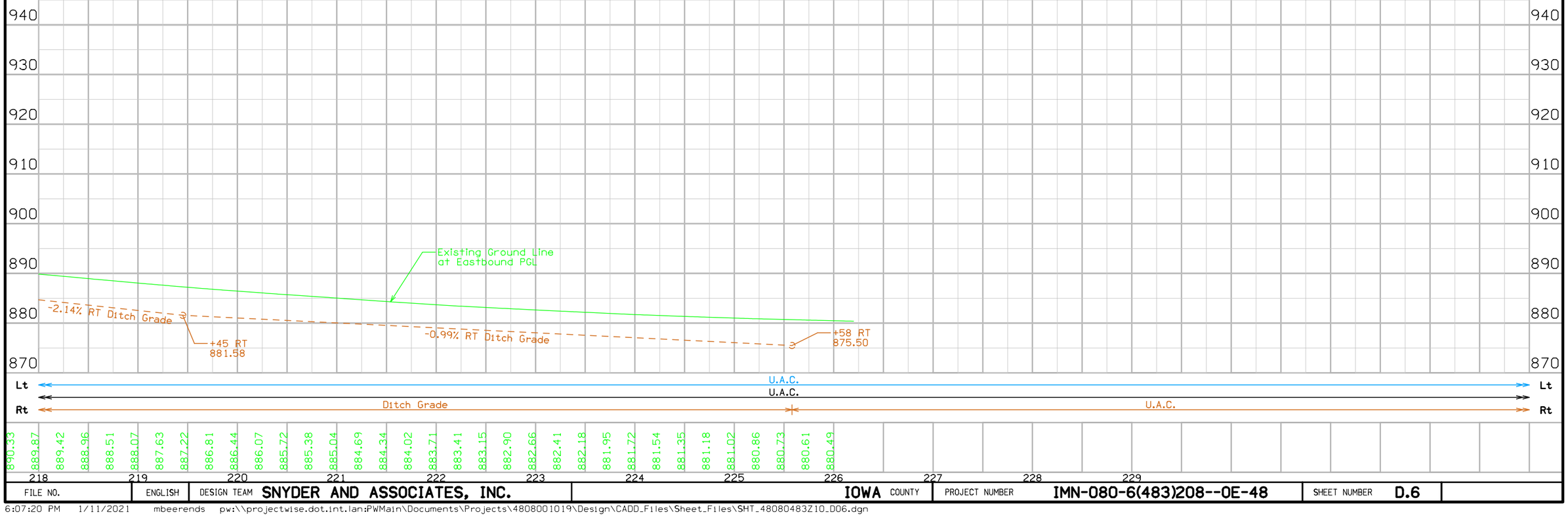
Sta. 219+44.4
24"x131' RCP
D.A.=0.5 A-R
(Extend)

Sta. 219+44.37
Install 24"x16' RCP Extension
F.L. = Lt. U.A.C.
Other 881.37
Rt. 881.58

HARTFORD TWP.
T-80N R-12W
SEC. 35





FILE NO.	ENGLISH	DESIGN TEAM	SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER	IMN-080-6(483)208--0E-48	SHEET NUMBER	D.6

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Iowa County
IMN-080-6(483)208--0E-48
PIN 19-48-080-10
I 80-Survey of Rest Stop near Victor (EB)
Approx. 3.5 Miles Southeast of Victor
SAP0843.1

Party Personnel

Jeremy Leemon- Survey Project Manager
Larry Boyer- Assistant Survey Project Manager
Steve Lentz- Survey Party Chief
Jacob Powers- Assistant Survey Party Chief
John Kropp- Instrument

Date(s) of Survey

Begin Date	04/2/2019
End Date	08/14/2019

General Information

Measurement units for this survey are US survey feet. Project datum and control was established using IARTN and USGS BM DWB. This is a partial DTM survey with photo control of the rest area on the eastbound lane of Interstate 80.

Vertical Control

Vertical datum for this survey is relative to NGVD29=NAVD88 at this location. Geoid12B was used in this survey. A Digital level loop was run from BM #511 (USGS BM DWB) through the project benchmarks and returned to BM # 511. The loop error met 3rd Order accuracy and the error was distributed proportionately among the project bench marks.

This survey observed 1 USGS Control Monument with published NGVD29=NAVD88 heights to compare to local ground control:

USGS mark designated DWB has a published Elev. Of 936.744
Survey Elev. = 936.750

This survey observed 2 As-Built plan bench marks to compare to local ground control:

BM 520 Project IM-80-6(199)208—13-48 Elev. 936.74
Survey Elev. = 936.750

BM 521 Project IM-80-6(199)208—13-48 Elev. 936.694
Survey Elev. = 936.717

Horizontal Control

The project coordinate system for this survey is IaRCS Zone 10(U.S. Survey Feet). This survey control is relative to IaRTN reference stations. IaRTN Reference Station coordinates are relative to the National Reference Station network datum: NAD83 (2011) for Epoch 2010.00. We established 6 control points surrounding the project limits, observing each for 180 epochs. Then a calibration was performed from BASE100. Additional points were placed throughout the project using GNSS Base-Rover setup relative to Pt.

The Combined Scale Factor may be used for total station stakeout and location to survey in the State Plane coordinate system.

Alignment Information

The horizontal alignment for this survey is a retrace of As-built Plans No. I-80-6(24)208. Survey stationing was equated to the plan PC at STA 158+38.7 and run back and ahead without equation throughout the survey.

Survey stationing relates to as built plan stationing as follows:

PC Sta. 158+38.69 As-built Plans Project No. I-80-6(24)208
Survey PC Sta. 158+38.7

PI Sta 163+90.32 Project No. I-80-6(24)208
Survey PI STA 163+90.5

PT STA 169+42.00 Project No. I-80-6(24)208
Survey PT STA 169+42.0

POT STA 175+99.98 Project No. I-80-6(24)208
Survey POT STA 176+00

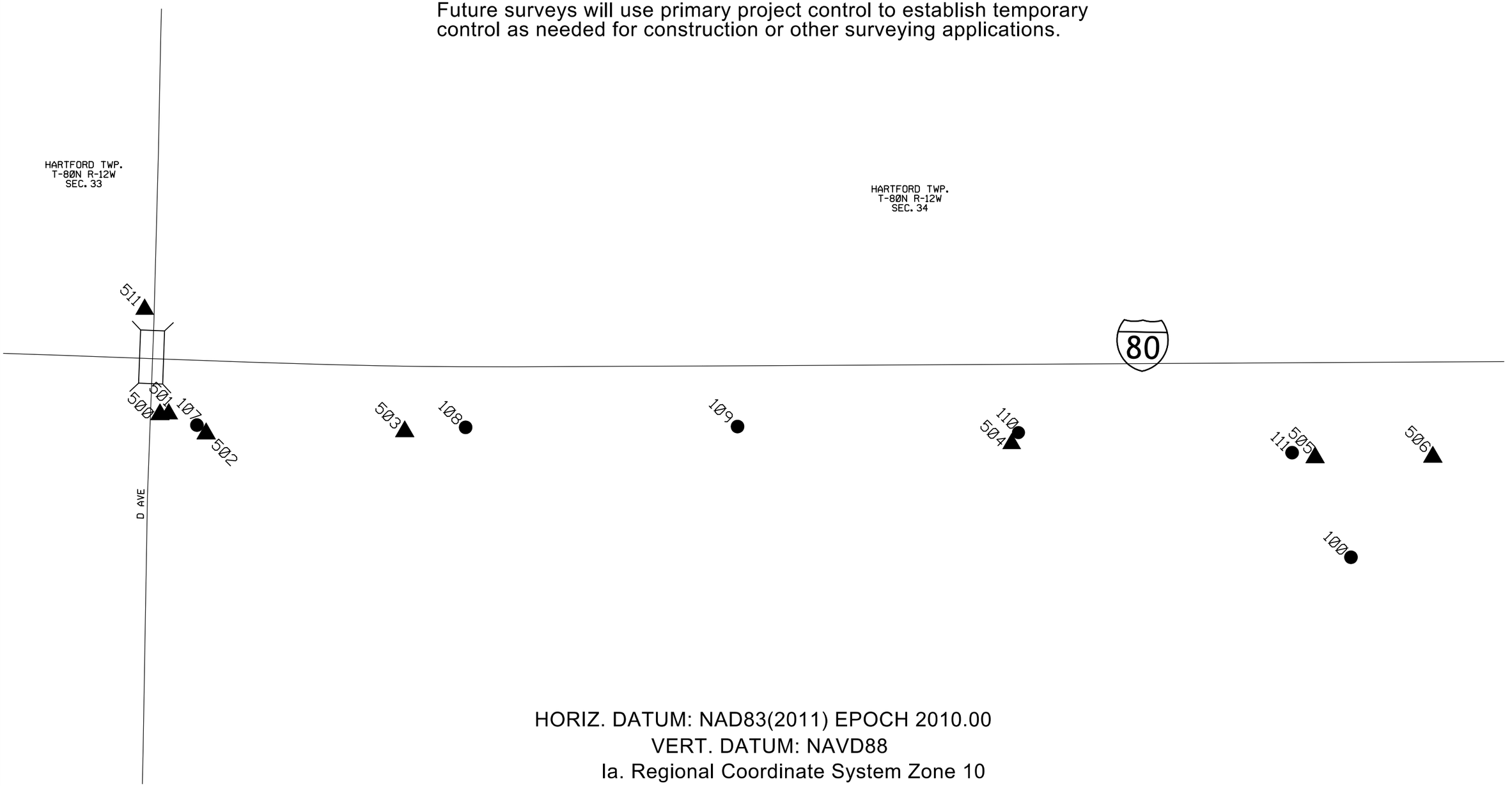
POT STA 203+41.16 Project No. I-80-6(24)208
Survey POT STA 203+42.7

PC STA 253+26.72 Project No. I-80-6(24)208
Survey PC STA 253+31.4

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) EPOCH 2010.00

VERT. DATUM: NAVD88

Ia. Regional Coordinate System Zone 10

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

FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER G.2

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CONTROL POINT VICINITY MAP

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Primary control is for use with RTK base stations and for RTN validation.
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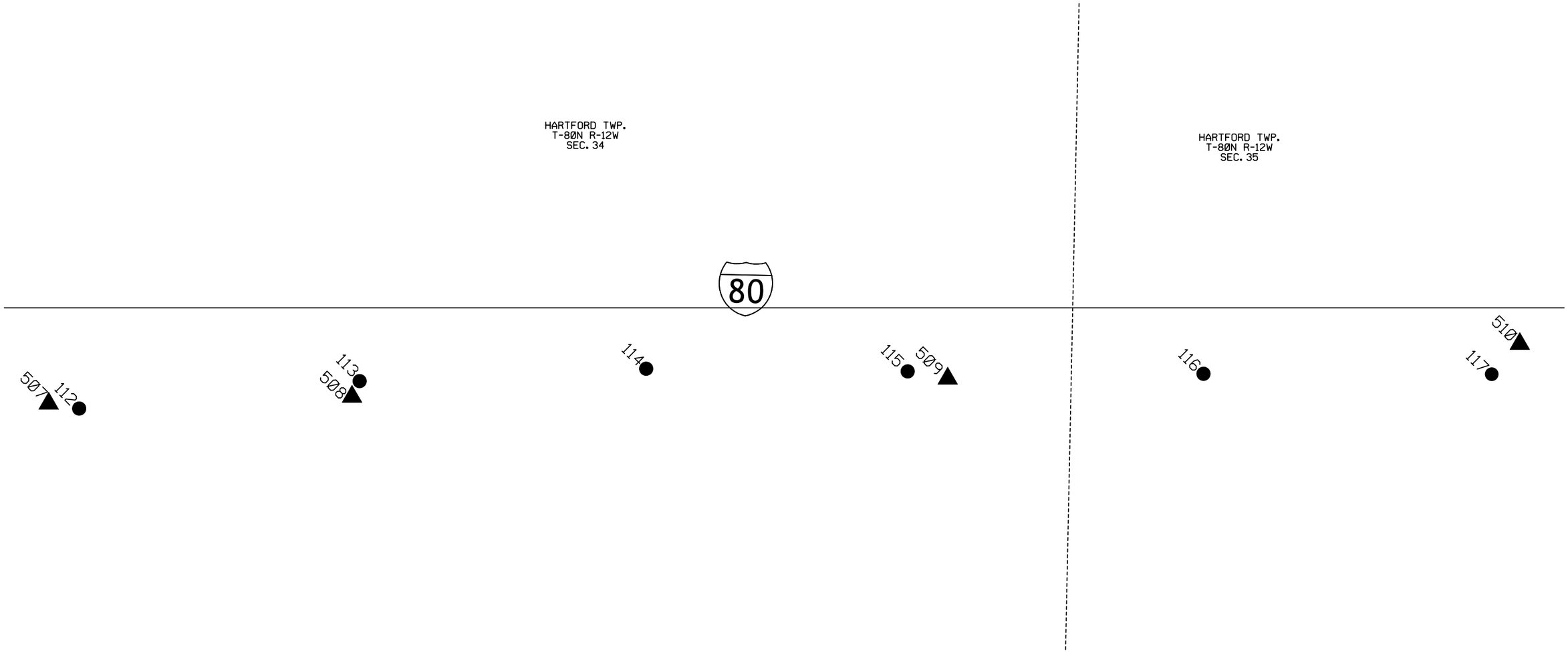

HORIZ. DATUM: NAD83(2011) EPOCH 2010.00

VERT. DATUM: NAVD88

Ia. Regional Coordinate System Zone 10

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

FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER G.3

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HORIZONTAL AND VERTICAL PROJECT CONTROL COORDINATE LISTING

HORIZ. DATUM: NAD83(2011) EPOCH 2010.00

VERT. DATUM: NAVD88

Ia. Regional Coordinate System Zone 10

Point Name	Northing	Easting	Elevation	Feature Definition	Description
100	7949968.31	20345761.88	926.00	CP	SET REBAR 6" DEEP
107	7950260.03	20343221.00	914.01	CP	SET REBAR 6" DEEP
108	7950254.63	20343814.83	927.39	CP	SET REBAR 6" DEEP
109	7950255.55	20344413.16	930.13	CP	SET REBAR 6" DEEP
110	7950243.09	20345022.56	921.90	CP	SET REBAR 6" DEEP
111	7950198.72	20345631.24	921.17	CP	SET REBAR 6" DEEP
112	7950186.16	20346265.49	920.04	CP	SET REBAR 6" DEEP
113	7950246.16	20346899.15	919.29	CP	SET REBAR 6" DEEP
114	7950266.97	20347498.27	914.40	CP	SET REBAR 6" DEEP
115	7950261.64	20348049.69	896.03	CP	SET REBAR 6" DEEP
116	7950255.92	20348671.57	888.64	CP	SET REBAR 6" DEEP
117	7950256.84	20349278.49	875.99	CP	SET REBAR 6" DEEP
500	7950287.50	20343136.05	939.18	BM	FD DOT BRASS BUTTON SE ABUT. HANDRAIL
501	7950287.77	20343137.89	936.72	BM	FD IHC BM ON SE ABUTMENT
502	7950254.70	20343221.96	915.17	BM	CUT X ON ROW RAIL
503	7950250.01	20343677.38	928.43	BM	CUT X ON ROW RAIL
505	7950189.86	20345681.01	923.10	BM	SET MAG NAIL SE SIDE LUM BASE
506	7950190.42	20345940.17	922.41	BM	SET MAG NAIL S SIDE LUM BASE
507	7950197.02	20346200.75	922.30	BM	SET CUT X SIDE LUM BASE
508	7950242.70	20346899.36	920.63	BM	CUT X ON ROW RAIL
509	7950250.87	20348133.47	895.99	BM	CUT X ON ROW RAIL
510	7950328.09	20349337.85	879.49	BM	FD IHC BM ON INLET HEADWALL
511	7950505.78	20343114.19	936.74	BM	FD USGS MONUMENT

SUPERELEVATION DATA

See PV-300 Series

Road Identification	Circular Curve or Spiral Curve Name	Radius	Superelevation Data e	Superelevation Data L	Superelevation Data x	Standard Road Plan	Section A-A	Section B-B	Section C-C	Section D-D	Section E-E	Section F-F	Case A	Case B	Case C	Case S	Case T	Case U	Remarks
		FT	%	FT	FT														
Ramp E	RPE_3	1330	6.0	186	62	PV-303	2179+03.56		2179+40.76	2179+96.56						2179+34.56	2179+34.56		60 mph. A-A at 3% x-slope
				144	48			2181+71.24	2180+70.44	2180+27.24						2180+75.24	2180+75.24		40 mph
Ramp E	RPE_6	1530	4.0	96	48	PV-303		2181+71.24	2182+38.44	2182+67.24						2182+67.24	2182+67.24		40 mph
							2185+38.13		2184+90.13	2184+61.33						2184+61.33	2184+61.33		40 mph
Ramp G	RPG_3	1330	6.0	186	62	PV-303	3178+65.85		3179+03.05	3179+58.85						3178+96.85	3178+96.85		60 mph. A-A at 3% x-slope
				144	48			3185+11.78	3184+10.98	3183+67.78						3184+15.78	3184+15.78		40 mph
Ramp G	RPG_6	485	6.0	144	48	PV-303		3185+11.78	3186+12.57	3186+55.77						3186+07.77	3186+07.77		40 mph
							3190+11.21	3189+63.21	3188+62.41	3188+19.21						3188+67.21	3188+67.21		40 mph
Ramp F	RPF_3	1530	4.0	96	48	PV-303	4202+69.21		4202+88.41	4203+17.21						4203+17.21	4203+17.21		40 mph
							4207+63.66	4207+15.66	4206+48.46	4206+19.66						4206+19.66	4206+19.66		40 mph
Ramp F	RPF_6	2000	5.4	168	62	PV-303	4209+69.81		4210+25.41	4210+75.81						4210+32.25	4210+32.25		60 mph
Ramp H	RPH_3	1000	5.0	120	48	PV-303	3197+16.15	3197+64.15	3198+48.15	3198+84.15						3198+60.15	3198+60.15		40 mph
							3202+82.37	3202+34.37	3201+50.37	3201+14.37						3201+38.37	3201+38.37		40 mph

ALIGNMENT COORDINATES

Name	Location	Point on Tangent Station	Point on Tangent Coordinates Y (Northing)	Point on Tangent Coordinates X (Easting)	Begin Spiral Station	Begin Spiral Coordinates Y (Northing)	Begin Spiral Coordinates X (Easting)	Begin Curve Station	Begin Curve Coordinates Y (Northing)	Begin Curve Coordinates X (Easting)	Simple Curve PI or Master PI of SCS Station	Simple Curve PI or Master PI of SCS Coordinates Y (Northing)	Simple Curve PI or Master PI of SCS Coordinates X (Easting)	End Curve Station	End Curve Coordinates Y (Northing)	End Curve Coordinates X (Easting)	End Spiral Station	End Spiral Coordinates Y (Northing)	End Spiral Coordinates X (Easting)
Ramp E																			
	Point RPE1	2166+00.00	7950349.464	20343335.57															
	Curve RPE_3							2179+40.76	7950260.144	20344673.34	2180+05.65	7950255.821	20344738.09	2180+70.44	7950245.216	20344802.11			
	Curve RPE_6							2182+38.44	7950217.758	20344967.85	2183+64.57	7950197.144	20345092.29	2184+90.13	7950197.186	20345218.42			
	Point RPE8	2203+21.42	7950197.799	20347049.71															
Ramp F																			
	Point RPF1	4186+00.00	7950135.732	20345355.26															
	Curve RPF_3							4202+88.41	7950136.297	20347043.68	4204+69.28	7950136.358	20347224.54	4206+48.47	7950178.587	20347400.4			
	Curve RPF_6							4210+25.41	7950266.599	20347766.93	4212+41.76	7950317.113	20347977.29	4214+56.42	7950321.474	20348193.59			
	Point RPF8	4225+56.42	7950343.646	20349293.37															
Ramp G																			
	Point RPG1	3176+00.00	7950286.136	20344330.69															
	Curve RPG_3							3179+03.05	7950245.877	20344631.06	3181+60.15	7950211.724	20344885.87	3184+10.98	7950085.065	20345109.6			
	Curve RPG_6							3186+12.57	7949985.748	20345285.04	3187+40.33	7949922.808	20345396.22	3188+62.41	7949922.808	20345523.98			
	Point RPG8	3195+68.72	7949922.807	20346230.28															
Ramp H																			
	Point RPH1	3194+00.00	7949922.807	20346061.57															
	Curve RPH_3							3198+48.15	7949922.807	20346509.72	3200+00.42	7949922.807	20346661.99	3201+50.37	7949968.129	20346807.36			
	Point RPH5	3212+13.31	7950284.5	20347822.12															
ML I-80	SURML080																		
	Curve SURML080_1							158+38.61	7950416.392	20342574.74	163+90.41	7950389.925	20343125.9	169+42.00	7950390.013	20343677.7			
	Point SURML0803	253+26.72	7950391.343	20352062.42															

108-23A
08-01-08

TRAFFIC CONTROL PLAN

1. Two lanes of I-80 shall remain open to traffic at all time. Shoulder closures as necessary will be allowed. For construction in the shoulder area, shift traffic per details shown elsewhere in these plans.
2. Refer to staging plan for rest area closure information. The existing rest area is to remain open to traffic as much as possible. Notify DOT staff at least 2 weeks prior to expected closing date.

108-26A
08-01-08

STAGING NOTES

Stage 1: Traffic utilizes existing I-80 and existing rest area ramps. Rest area remains open to traffic.
- Construct inside shoulder strengthening on I-80.
- Construct car parking areas and ramps outside of proposed tapers and existing pavement. Estimated station ranges:
  - Ramp E: Sta. 2174+00 - Sta. 2185+00
  - Ramp F: Sta. 4202+50 - Sta. 4210+50
  - Ramps G / H: Sta. 3176+47 - Sta. 3211+45 (Entire lenth)

Stage 2: Shift I-80 traffic to inside shoulder. Close rest area.
- Remove existing tapers, ramps, and parking area.
- Construct new ramp tapers. Construct truck parking area and truck inspection area.

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
ς	Delineator		Type A Warning Light
———	Temporary Barrier Rail		Direction of Traffic
	Pavement Removal		Safety Closure
	Sand Barrel Layout	1	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)

FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER J.2	

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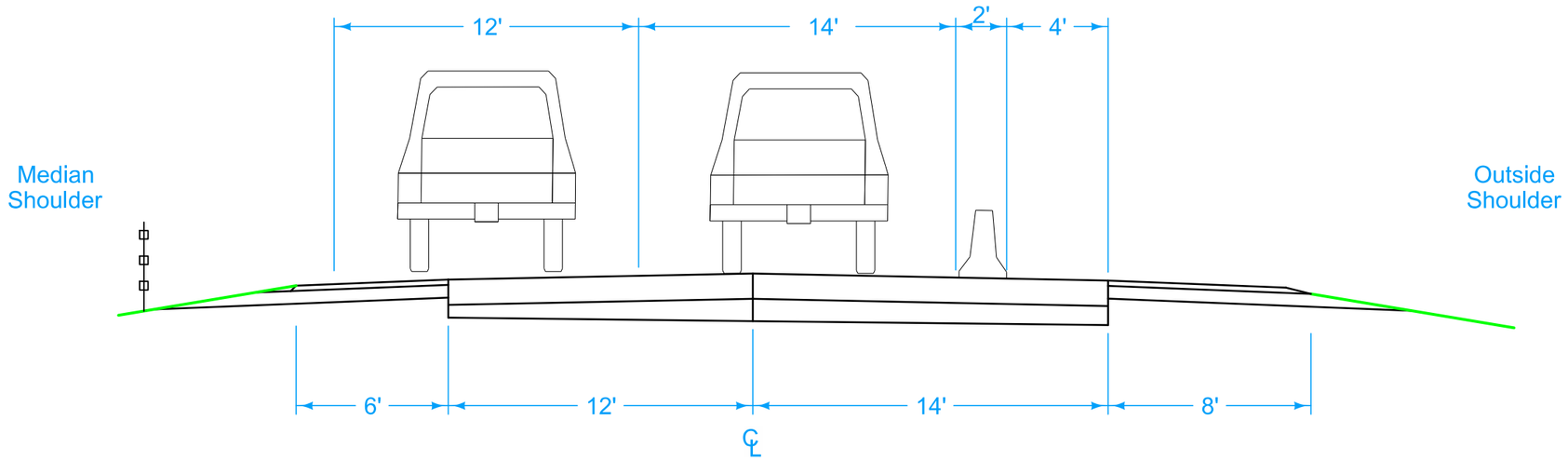
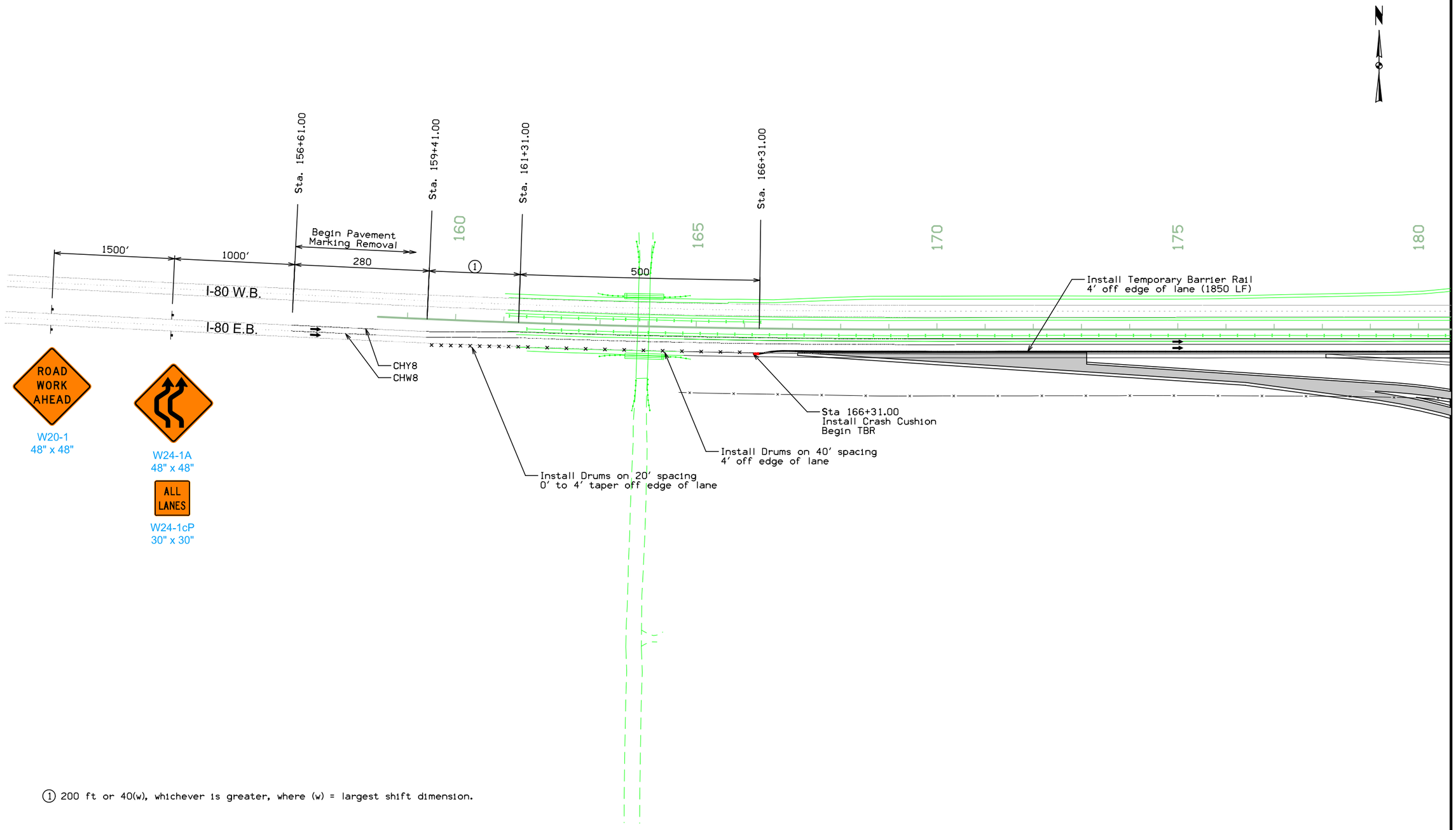


INTERSTATE 80 E.B. IOWA COUNTY
Traffic Control Lane Shift



(1) 200 ft or 40(w), whichever is greater, where (w) = largest shift dimension.

When a temporary lane shift is necessary:

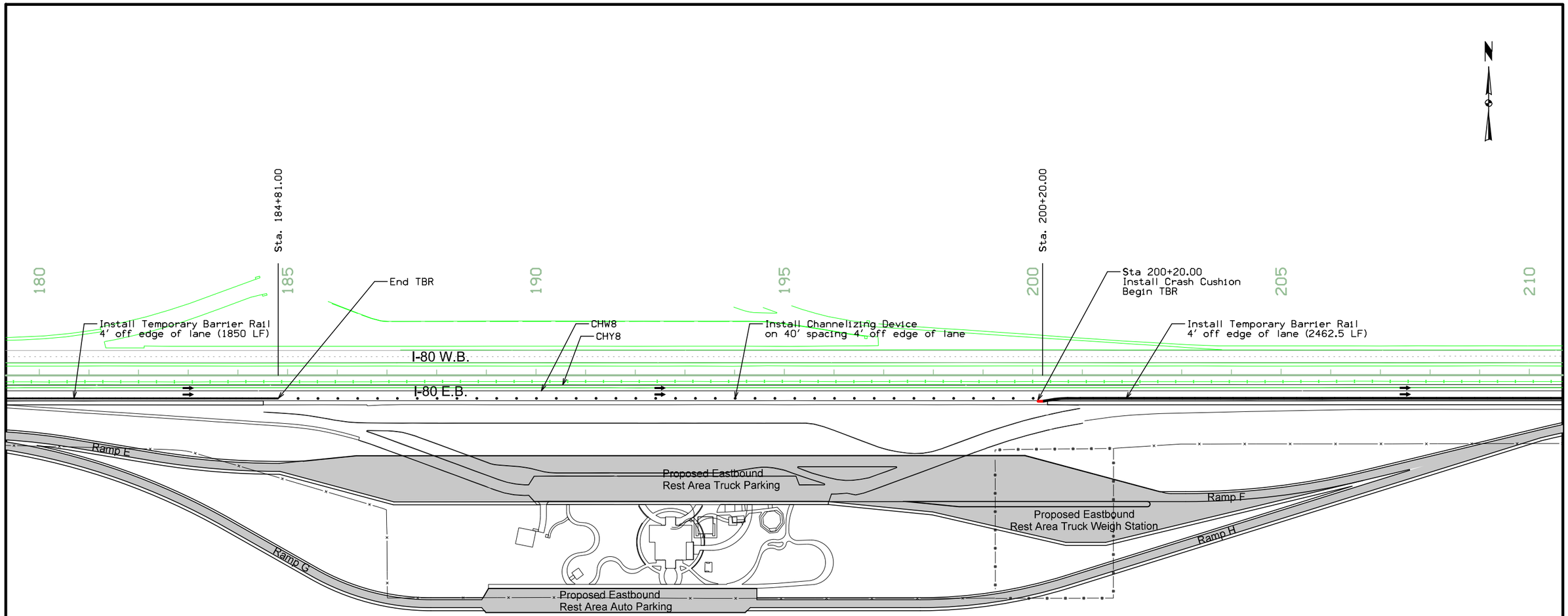
1. Place solid white line (CHW8) between all lanes. Also place a yellow lane line (CHY8) on median side through this area.
2. Install sign W24-1 1000 ft prior to shift on both shoulders.

0 FEET 100

Traffic Control Layout
I-80 Lane Shift

FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER J.4

SYSTEMTIME SYSTEMDATE USERNAME DGNSPEC



When a temporary lane shift is necessary:

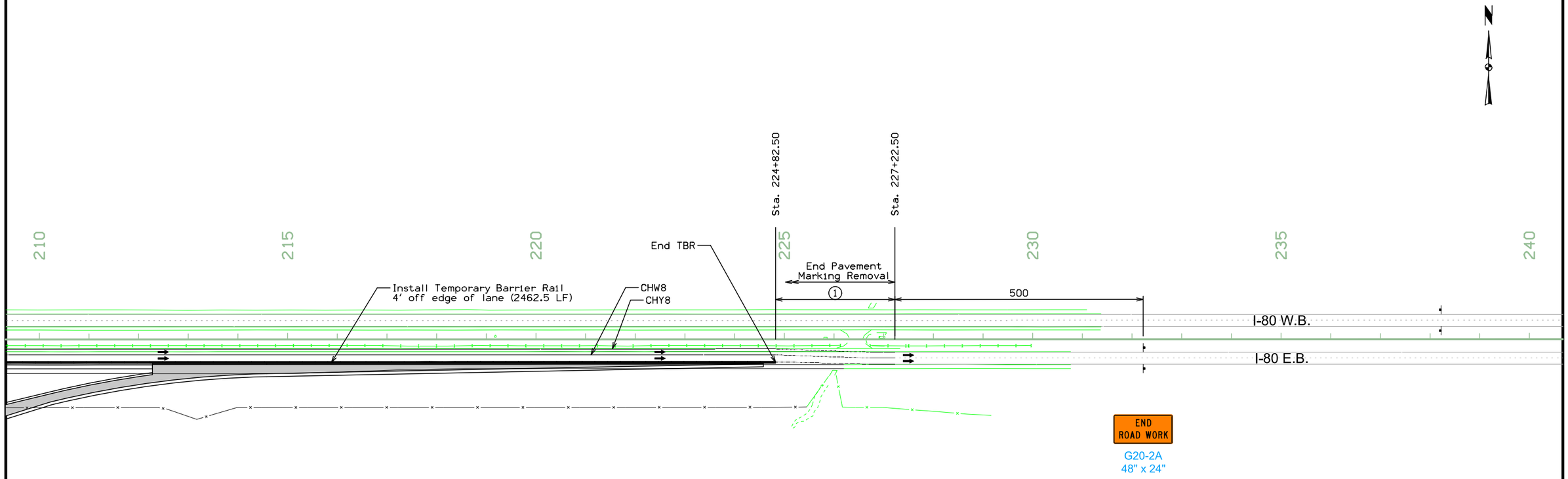
1. Place solid white line (CHW8) between all lanes. Also place a yellow lane line (CHY8) on median side through this area.

0 100
FEET

Traffic Control Layout
I-80 Lane Shift

FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER J.5	

SYSTEMTIME SYSTEMDATE USERNAME DGNSPEC



(1) 200 ft or 40(w), whichever is greater, where (w) = largest shift dimension.

When a temporary lane shift is necessary:

1. Place solid white line (CHW8) between all lanes. Also place a yellow lane line (CHY8) on median side through this area.

0 100
FEET

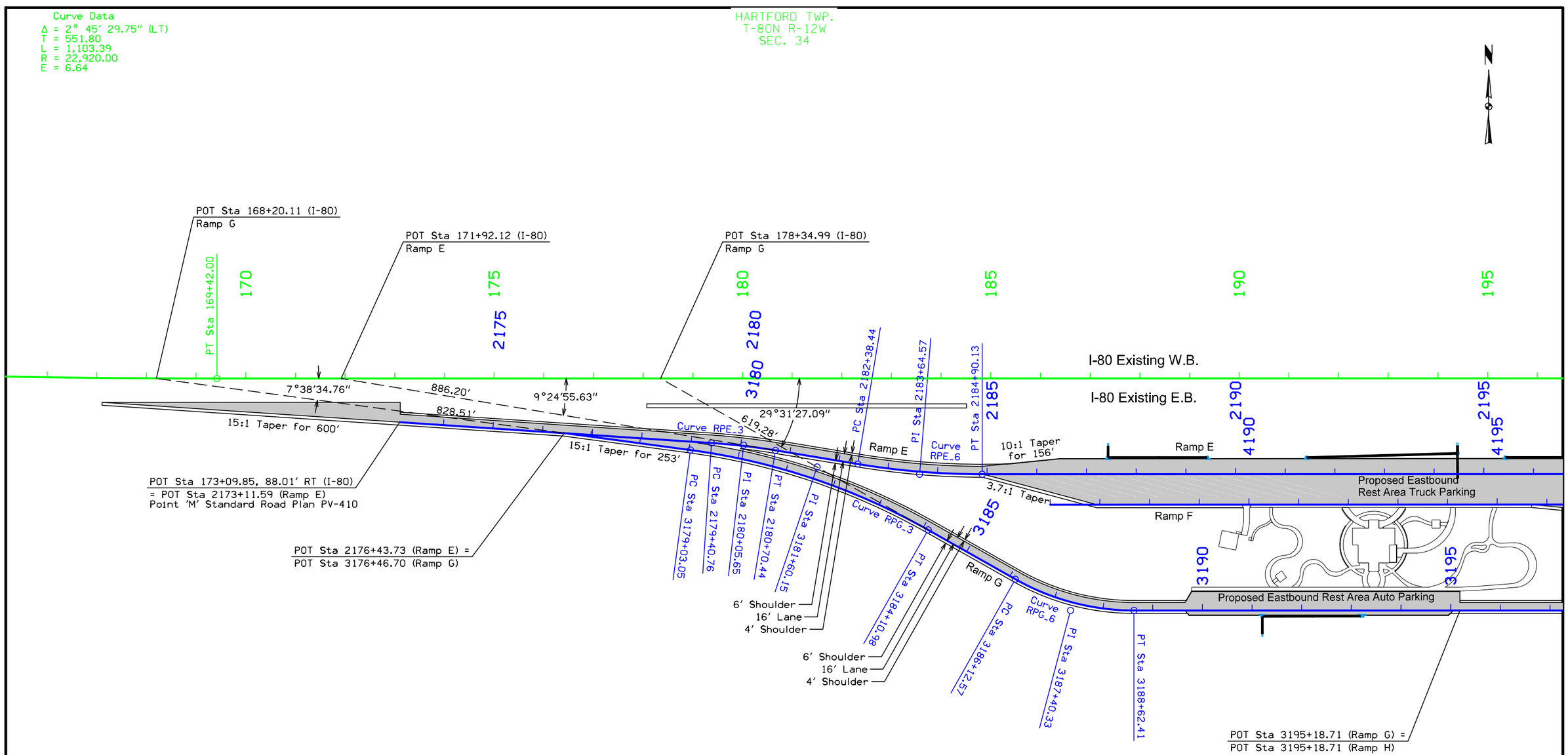
Traffic Control Layout
I-80 Lane Shift

FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER J.6

SYSTEMTIME SYSTEMDATE USERNAME DGNSPEC

Curve Data
Δ = 2° 45′ 29.75″ (LT)
T = 551.80
L = 1,103.39
R = 22,920.00
E = 6.64

HARTFORD TWP.
T-80N R-12W
SEC. 34



Curve RPE_3 Data
Δ = 5° 35′ 11.53″ (RT)
T = 64.89
L = 129.68
R = 1,330.00
E = 1.58
e = 6.0%
l = 55.8′
x = 62′

Curve RPG_3 Data
Δ = 21° 52′ 52.32″ (RT)
T = 257.10
L = 507.93
R = 1,330.00
E = 24.62
e = 6.0%
l = 186′
x = 62′

0 100 FEET

Curve RPE_6 Data
Δ = 9° 25′ 31.96″ (LT)
T = 126.13
L = 251.70
R = 1,530.00
E = 5.19
e = 4.0%
l = 28.8′
x = 48′

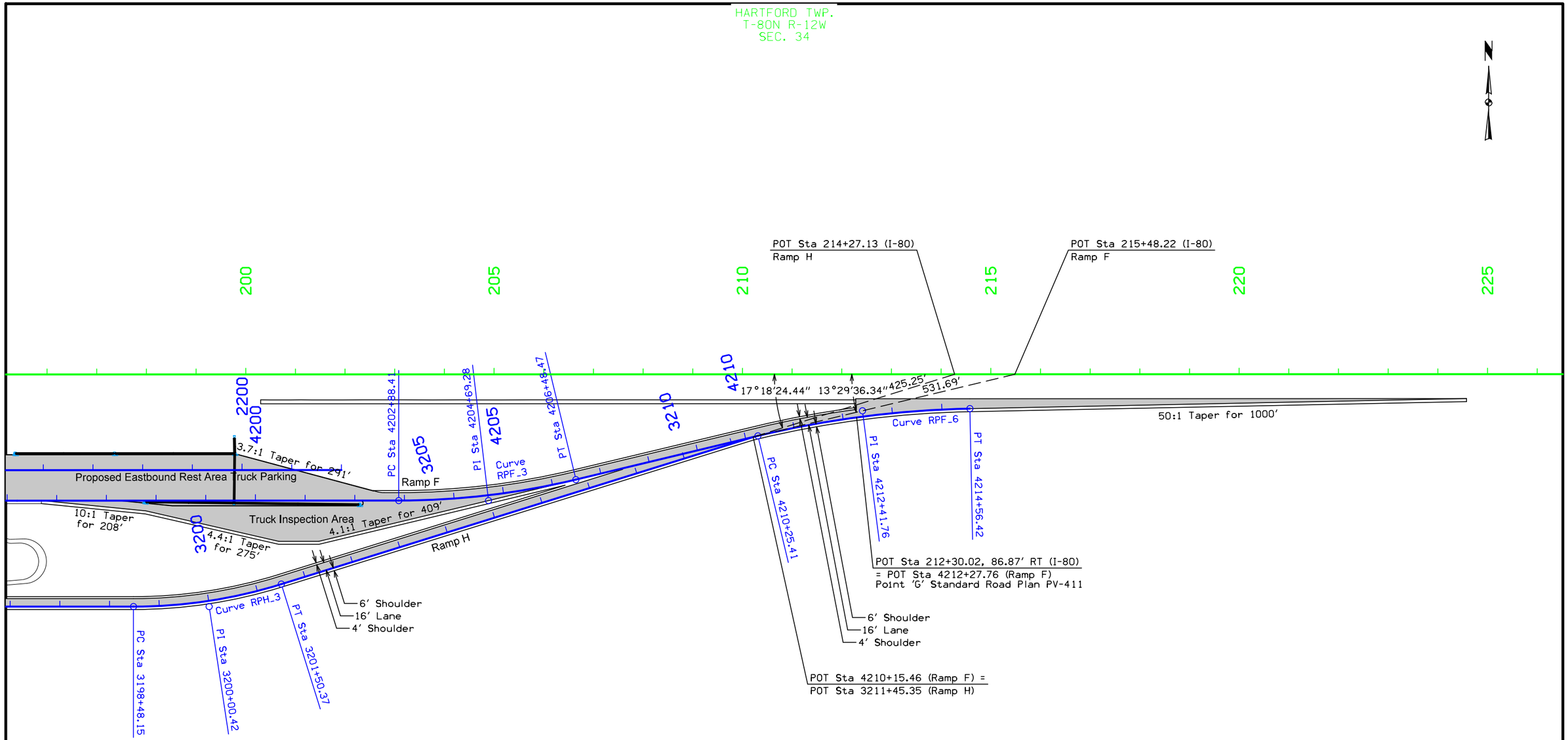
Curve RPG_6 Data
Δ = 29° 30′ 54.30″ (LT)
T = 127.76
L = 249.84
R = 485.00
E = 16.54
e = 6.0%
l = 43.2′
x = 48′

Geometric Plan
Proposed Interchange of Interstate 80 with Rest Area near Victor (EB)
Iowa County

FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER K.1

6:36:58 PM 1/11/2021 mbeerends pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\4808001019\Design\CADD_Files\Sheet_Files\SHT_48080483Z10_K01.dgn

HARTFORD TWP.
T-80N R-12W
SEC. 34



Curve RPH_3 Data
Δ = 17° 18' 57.16" (LT)
T = 152.27
L = 302.22
R = 1,000.00
E = 11.53
e = 5.0%
l = 120'
x = 48'

Curve RPF_3 Data
Δ = 13° 29' 00.01" (LT)
T = 180.86
L = 360.05
R = 1,530.00
E = 10.65
e = 4.0%
l = 96'
x = 48'

0 100 FEET

Curve RPF_6 Data
Δ = 12° 20' 51.23" (RT)
T = 216.34
L = 431.01
R = 2,000.00
E = 11.67
e = 5.4%
l = 168'
x = 62'

Geometric Plan
Proposed Interchange of
Interstate 80 with
Rest Area near Victor (EB)
Iowa County

FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER K.2	

6:37:02 PM 1/11/2021 mbeerends pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\4808001019\Design\CADD_Files\Sheet_Files\SHT_48080483Z10_K02.dgn

HARTFORD TWP.
T-80N R-12W
SEC. 33

HARTFORD TWP.
T-80N R-12W
SEC. 34

160 165 170 175

I-80 Existing W.B.

I-80 Existing E.B.

2175

D Avenue

Taper 15:1 Ratio

Ramp E

POT Sta 2173+11.59 (Ramp E) =
POT Sta 173+09.85, 88.01' RT (I-80)
Point 'M' Standard Road Plan PV-410

Construction Limits

0 FEET 50

Ramp E

970 960 950 940 930 920 910 900

VPI 2174+50.16
Elv 930.62
Len 230 ft
K = 156

Proposed Profile Grade

Sta 2173+11.59
Elev. = 930.04
Tie-In

+0.420% -1.055%

Existing Ground Line

+1.54% RT Ditch Grade

+11.59
925.43

Lt Refer to Mainline Lt

Rt Ditch Grade Rt

2166	2167	2168	2169	2170	2171	2172	2173	2174	2175
920.05 920.54	921.02 921.48	921.95 922.40	922.85 923.26	923.69 924.12	924.55 924.95	925.51 926.06	926.12 926.19	926.27 926.20	926.17 926.07	925.97 925.57	925.63 925.24	925.29 925.53	925.44 926.07	926.77 930.10	927.02 930.19	927.39 930.26	927.91 930.28	928.43 930.26	928.70 930.20	928.99 930.10	929.39 929.96	929.78

FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER K.3

6:08:11 PM 1/11/2021 mbeerends pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\4808001019\Design\CADD_Files\Sheet_Files\SHT_48080483Z10_K03.dgn

HARTFORD TWP.
T-80N R-12W
SEC. 34

Curve RPE_3 Data
Δ = 5° 35′ 11.53″ (RT)
T = 64.89
L = 129.68
R = 1,330.00
E = 1.58
e = 6.0%
l = 55.8′
x = 62′

Curve RPE_6 Data
Δ = 9° 25′ 31.96″ (LT)
T = 126.13
L = 251.70
R = 1,530.00
E = 5.19
e = 4.0%
l = 28.8′
x = 48′

I-80 Existing W.B.

I-80 Existing E.B.

PC Sta 2182+38.44

PI Sta 2184+90.13

Ramp E

Ramp G

Ramp F

ST-01

ST-02

P-01

P-02

ST-03

18" Conc. Pipe

POT Sta 2178+84.35 (Ramp E) =
POT Sta 3178+86.70 (Ramp G)

PC Sta 2179+40.76

PI Sta 2180+05.65

PT Sta 2180+70.44

PI Sta 2183+54.57

Construction Limits

0 FEET 50

Sta. 2185+81.54
Install 36"x108' RCP
Lt. 914.11
Rt. 915.14

Truck Parking and Ramp E

VPI 2174+50.16
Elv 930.62
Len 230 ft
K = 156

VPI 2186+50.00
Elv 917.96
Len 100 ft
K = 71

-1.055%

-1.69% RT Ditch Grade

+22
928.63

+84.35
922.51

Existing Ground Line

Proposed Profile Grade

-1.055% +0.350%

Lt: Refer to Mainline

Rt: Ditch Grade | Ramp H Pavement | V-Ditch | 5′ Ditch

930.10 929.39 | 929.96 929.78 | 929.78 929.84 | 929.56 929.93 | 929.30 929.63 | 929.04 929.12 | 928.78 928.99 | 928.51 929.01 | 928.25 928.92 | 927.99 928.68 | 927.72 928.12 | 927.46 927.74 | 927.19 927.68 | 926.93 927.59 | 926.67 927.59 | 926.40 927.30 | 926.14 927.04 | 925.87 926.93 | 925.61 926.99 | 925.35 925.59 | 925.08 925.33 | 924.82 925.72 | 924.56 925.94 | 924.29 926.05 | 924.03 926.06 | 923.76 926.06 | 923.50 926.46 | 923.24 925.94 | 922.97 925.68 | 922.71 925.37 | 922.45 924.84 | 922.18 924.16 | 921.92 923.67 | 921.65 923.13 | 921.39 922.68 | 921.13 922.12 | 920.86 921.66 | 920.60 920.98 | 920.33 920.89 | 920.07 920.51 | 919.81 920.28 | 919.54 920.17 | 919.28 920.26 | 919.02 920.05 | 918.75 919.99 | 918.49 920.07 | 918.27 919.88 | 918.14 919.14 | 918.09 918.78 | 918.13 918.55 | 918.22 918.05 | 918.31 918.75 | 918.40 919.39 | 918.48 921.11 | 918.57 920.56 | 918.66 920.74 | 918.75 920.70 | 918.83 921.12 | 918.92 921.34 | 919.01 921.20 | 919.10 920.78 | 919.18 920.42

2175 2176 2177 2178 2179 2180 2181 2182 2183 2184 2185 2186 2187 2188 2189 2190

FILE NO.	ENGLISH	DESIGN TEAM	SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER	IMN-080-6(483)208--0E-48	SHEET NUMBER	K.4

6:08:16 PM 1/11/2021 mbeerends pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\48080010I9\Design\CADD_Files\Sheet_Files\SHT_48080483Z10_K04.dgn

HARTFORD TWP.
-T-80N R-12W
SEC. 34

I-80 Existing W.B.

I-80 Existing E.B.

Construction Limits

ST-04 P-03 P-04 ST-06 ST-05 ST-07 P-06 ST-08 P-07 ST-10 P-08 ST-09

Ramp E P-05

Proposed Eastbound
Rest Area Truck Parking

Commercial Buildings

P-09

ST-11 Ramp F ST-12 P-11 ST-13 Ramp F

Proposed Eastbound
Rest Area Truck Inspection Area

P-10

Ramp H

0 FEET 50

Truck Parking and Ramp E

VPI 2190+04.47
Elv 919.20

VPI 2192+70.54
Elv 919.33

Proposed Profile Grade

Sta 2201+09.51
Elev. = 919.21
Tie-In

+0.049%

-0.014%

Existing Ground Line

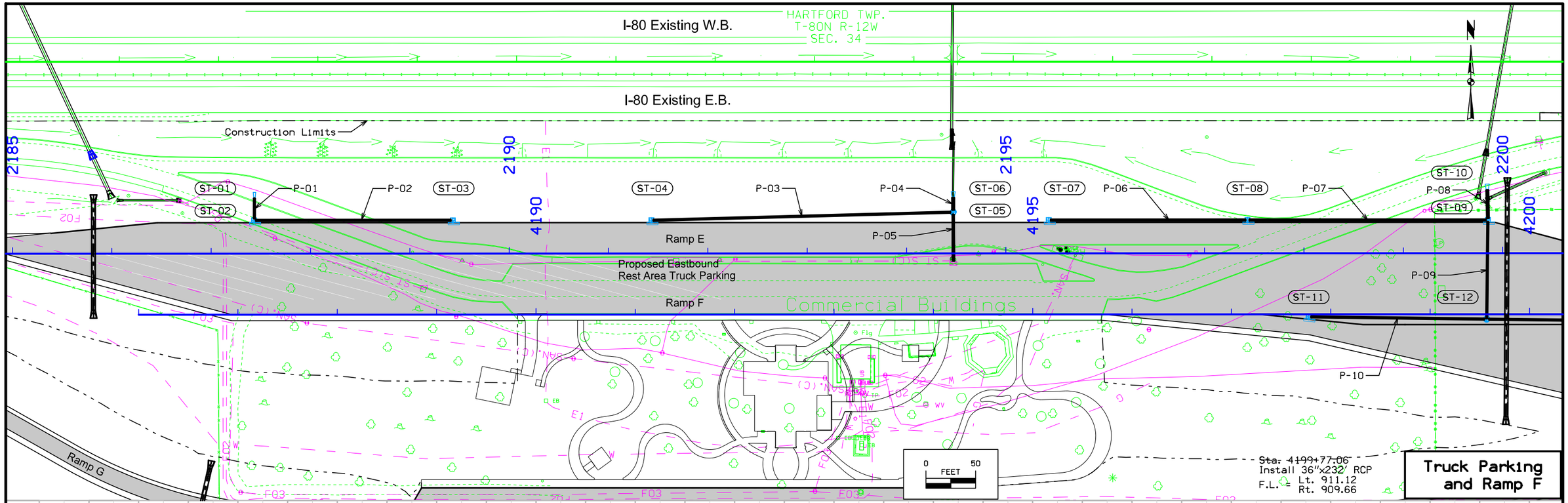
Lt Refer to Mainline

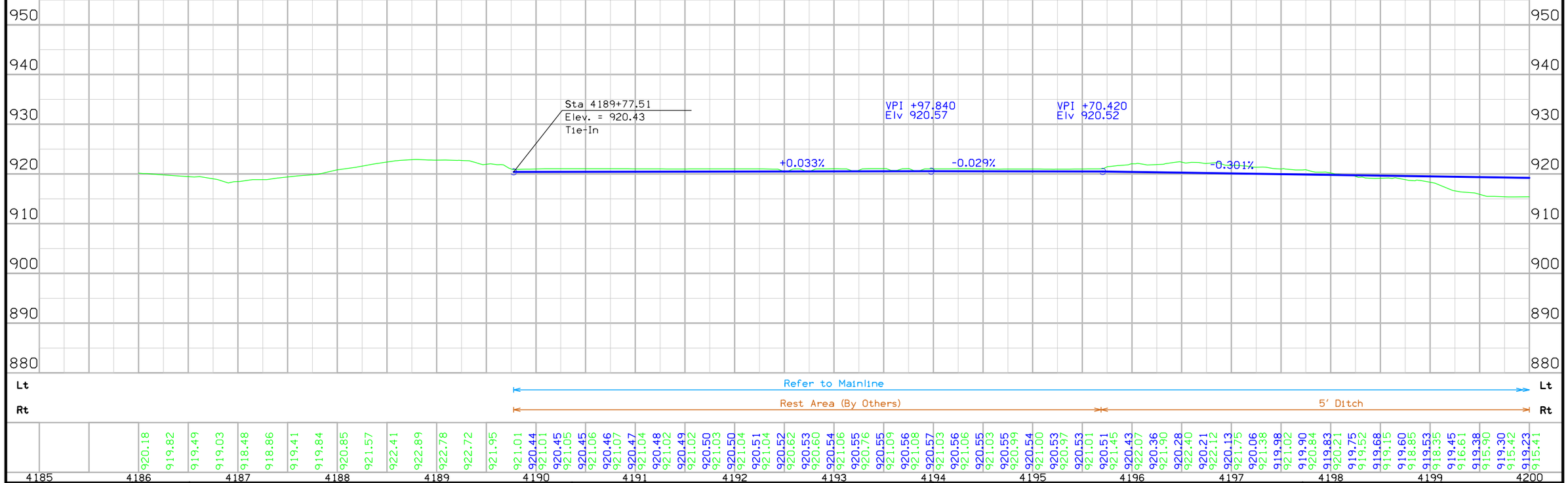
Rt Rest Area (By others)

2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204
919.10 / 920.78	919.18 / 920.42	919.21 / 919.98	919.22 / 919.91	919.23 / 919.83	919.25 / 919.82	919.26 / 919.81	919.27 / 919.81	919.28 / 919.79	919.30 / 919.77	919.31 / 919.74	919.32 / 919.77	919.33 / 919.79	919.33 / 919.81	919.32 / 919.81
919.32 / 919.82	919.32 / 919.81	919.31 / 919.78	919.31 / 920.19	919.30 / 920.37	919.30 / 920.55	919.30 / 920.32	919.29 / 919.75	919.29 / 919.90	919.29 / 920.42	919.28 / 920.62	919.28 / 920.55	919.28 / 920.55	919.27 / 920.50	919.27 / 919.96
919.26 / 919.36	919.26 / 919.05	919.26 / 918.52	919.25 / 918.78	919.25 / 919.58	919.25 / 919.86	919.24 / 919.21	919.24 / 917.66	919.24 / 917.18	919.23 / 915.63	919.23 / 915.18	919.23 / 914.76	919.22 / 914.55	919.22 / 915.19	919.21 / 915.57
919.21 / 916.22	916.98	917.84	919.78	919.59	919.44	919.74	919.89	919.92						

FILE NO.	ENGLISH	DESIGN TEAM	SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER	IMN-080-6(483)208--0E-48	SHEET NUMBER	K.5

6:08:21 PM 1/11/2021 mbeerends pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\48080010I9\Design\CADD_Files\Sheet_Files\SHT_48080483Z10_K05.dgn





FILE NO.	ENGLISH	DESIGN TEAM	SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER	IMN-080-6(483)208--0E-48	SHEET NUMBER	K.6

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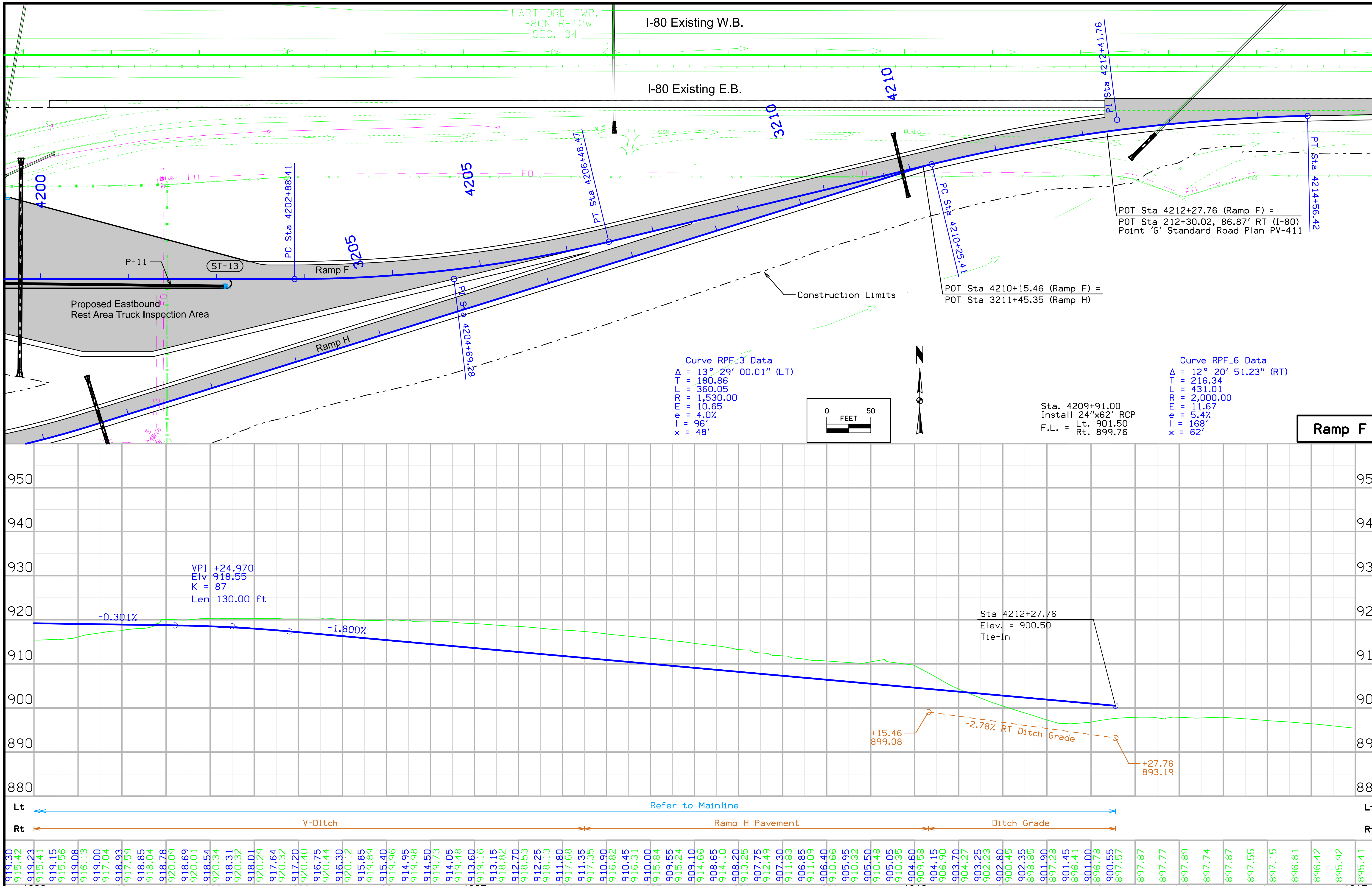

FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER K.7

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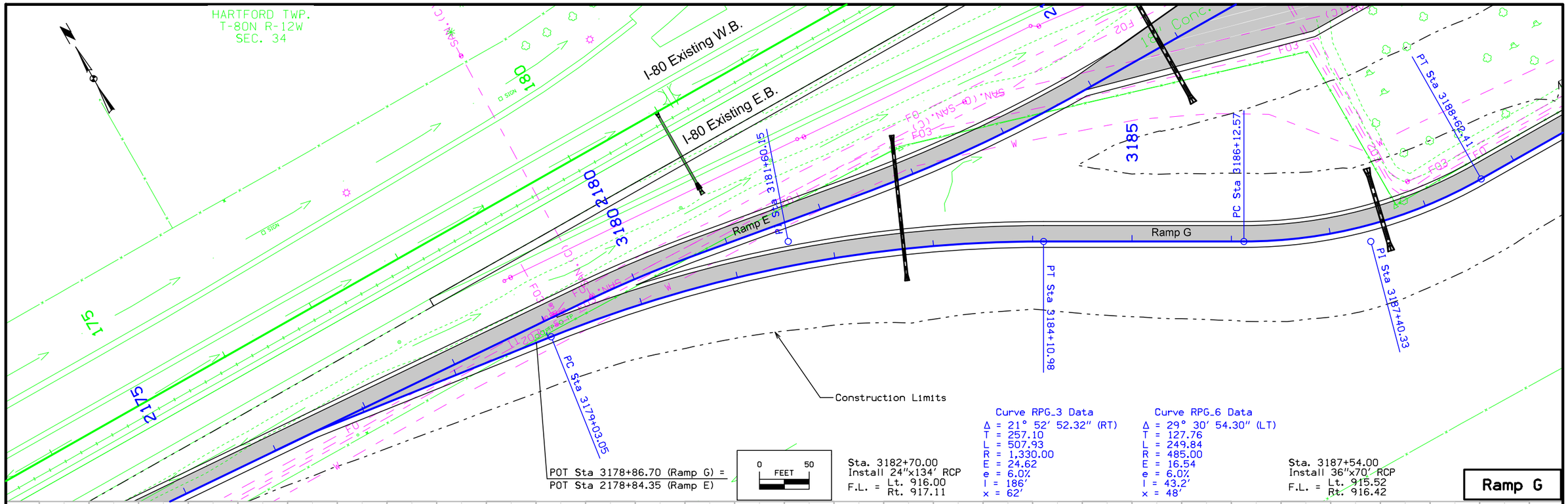

FILE NO.	ENGLISH	DESIGN TEAM	SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER	IMN-080-6(483)208--0E-48	SHEET NUMBER	K.8

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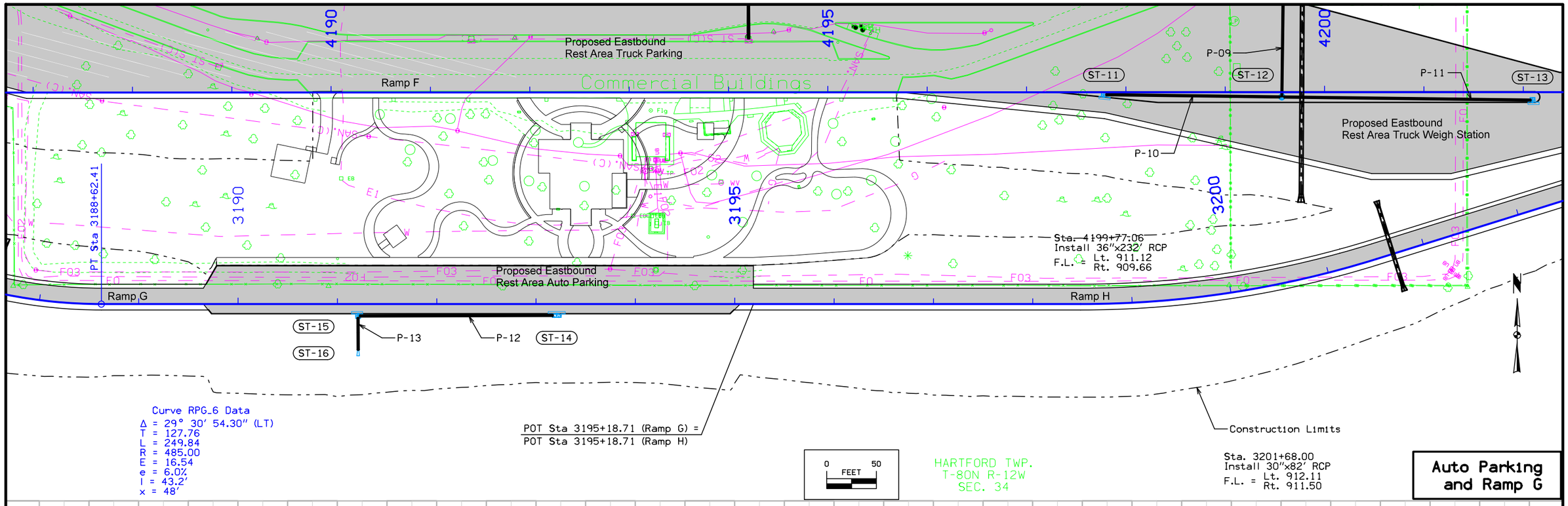

FILE NO.	ENGLISH	DESIGN TEAM	SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER	IMN-080-6(483)208--0E-48	SHEET NUMBER	K.9

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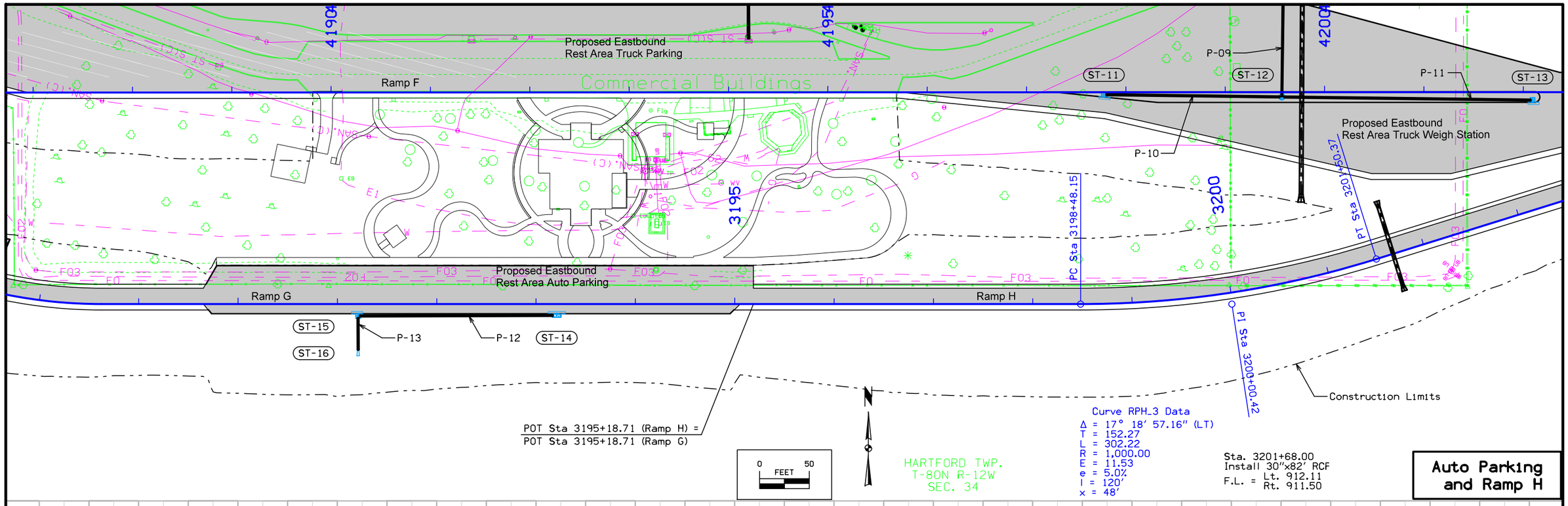

FILE NO.	ENGLISH	DESIGN TEAM	SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER	IMN-080-6(483)208--0E-48	SHEET NUMBER	K.10

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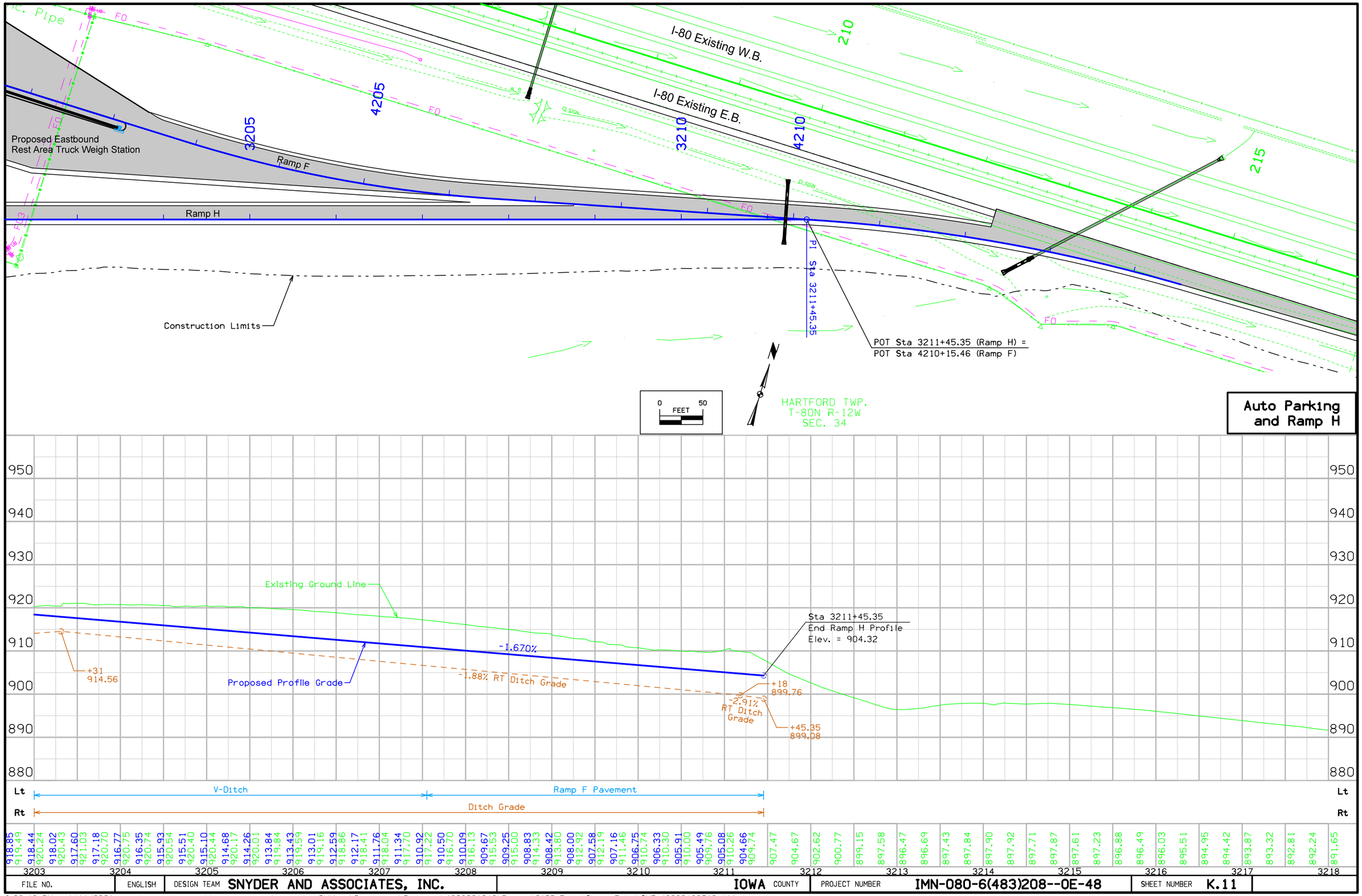

FILE NO.	ENGLISH	DESIGN TEAM	SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER	IMN-080-6(483)208--0E-48	SHEET NUMBER	K.11

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STORM SEWER

(1) Diameter or equivalent diameter
* Bid Item
** For SW-545

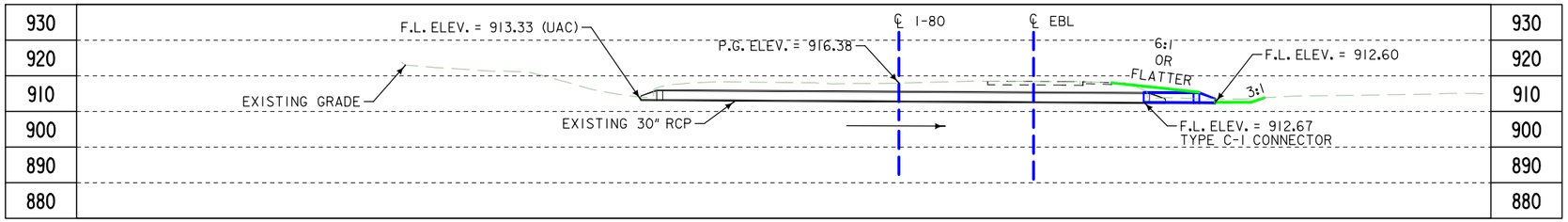
INTAKES AND UTILITY ACCESSES

No.	Location Station and Offset	*Type or Standard Road Plan	Form Grade Elev.	Bottom Well Elev.	Extension Length** FT	Notes
ST-01	2187+43.55, -61.580	DR-201 (15")	914.43			Loc sta=end pipe
ST-02	2187+43.19, -31.50	SW-508	917	914.06		
ST-03	2189+43.19, -31.50	SW-508	918	915.06		
ST-04	2191+43.19, -31.50	SW-508	918	915.06		
ST-05	2194+46.92, -41.50	SW-401 (60")	919.19	914.12		FG = Rim
ST-06	2194+46.93, -62.130	DR-201 (24")	914.53			Loc sta=end pipe
ST-07	2195+43.19, -31.50	SW-508	918	915.06		
ST-08	2197+43.17, -31.50	SW-508	918	914.08		
ST-09	2199+89.20, -31.50	SW-508	917.8	911.3		
ST-10	2199+84.54, -69.627	DR-201(24")	911.62			Loc sta=end pipe
ST-11	2198+04.61, 66.011	SW-508	920.57	917.78		
ST-12	2199+83.98, 66.238	SW-401 (60")	921.05	912.47		FG = Rim
ST-13	2202+36.32, 71.50	SW-508	920.64	916.15		
ST-14	3193+20.79, 10	SW-510	922.42	919.48		
ST-15	3191+20.81, 10	SW-508	923.89	917.34		
ST-16	3191+20.90, 52.084	DR-201 (15")	917.46			Loc sta=end pipe

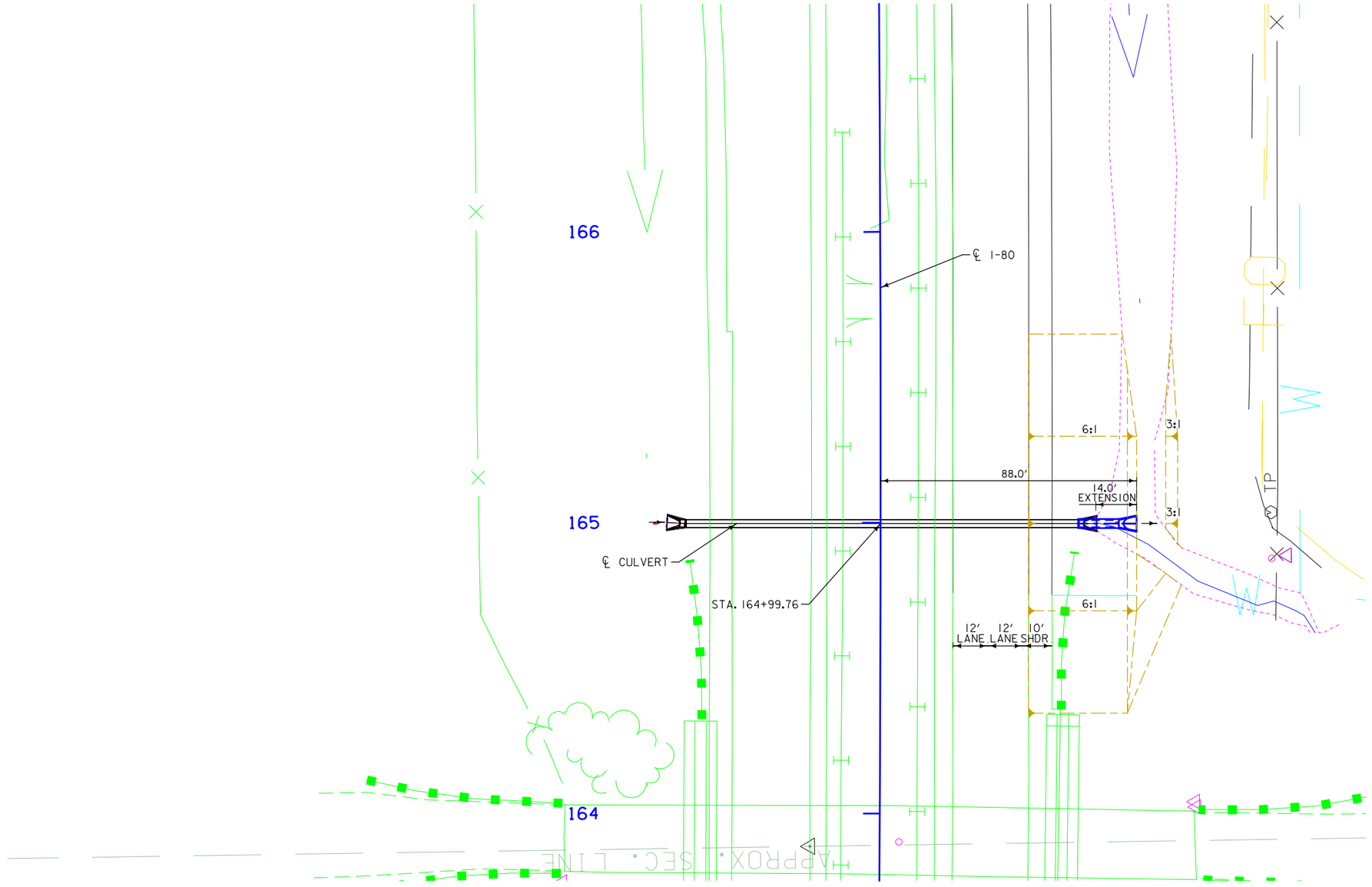
PIPES

Design Length, Slope, and Flowlines are calculated from inside wall to inside wall along CL of pipe. An additional 2 ft length is added to each side of the Design Length to account for estimated length to center of structures.

Line Number	Intake/ Utility Access No. From	To	Class 'D'	(1) Pipe Size IN	Bid* Length FT	Design Length FT	Slope %	Connected Pipe Joint (DR-121) Type	Flow Lines Inlet Elevation	Outlet Elevation	Other Elevation	Pipe Profile Sheet No.	Notes
1	ST-01	ST-02	RCP	15	28	26.0	0.5		914.56	914.43			
2	ST-03	ST-03	RCP	15	200	196.0	0.45		915.56	914.66			
3	ST-04	ST-05	RCP	15	200	196.0	0.5		915.56	914.58			
4	ST-05	ST-06	RCP	24	20	18.0	0.5		914.38	914.53			
5	EX	ST-05	RCP	18	47	46.4	0.4		914.9	914.72			Field Verify EX
6	ST-07	ST-08	RCP	15	200	196.0	0.5		915.56	914.58			
7	ST-08	ST-09	RCP	15	242	238.0	1		914.38	912			
8	ST-09	ST-10	RCP	24	38	34.0	0.5		911.9	911.73			
9	ST-12	ST-09	RCP	15	101	97.0	1		912.97	912			
10	ST-11	ST-12	RCP	15	178	174.0	1		917.78	916.04			
11	ST-13	ST-12	RCP	15	252	248.0	1.2		916.25	913.17			
12	ST-14	ST-15	RCP	15	198	194.0	1		919.98	918.04			
13	ST-15	ST-16	RCP	15	40	38.0	1		917.84	917.46			



LONGITUDINAL SECTION ALONG ℄ CULVERT



PLAT PLAN

BM506
Sta 192+04.43 out 199.95 Rt
YC7950190.423 XC20345940.165
Elev= 922.406
Description: SET MAG NAIL S SIDE LU

N

0 ENGLISH 40
SCALE IN FEET

UTILITIES LEGEND:

REFER TO D.1

HYDRAULIC DATA

DRAINAGE AREA = 5.0 ACRES ROLLING

LOCATION

T-80N R-12W
SECTION 34
HARTFORD TOWNSHIP
IOWA COUNTY

DESIGN FOR 0° SKEW

30" X 14' REINFORCED CONCRETE PIPE EXTENSION PLAT PLAN

STATION 164+99.76 01/11/21

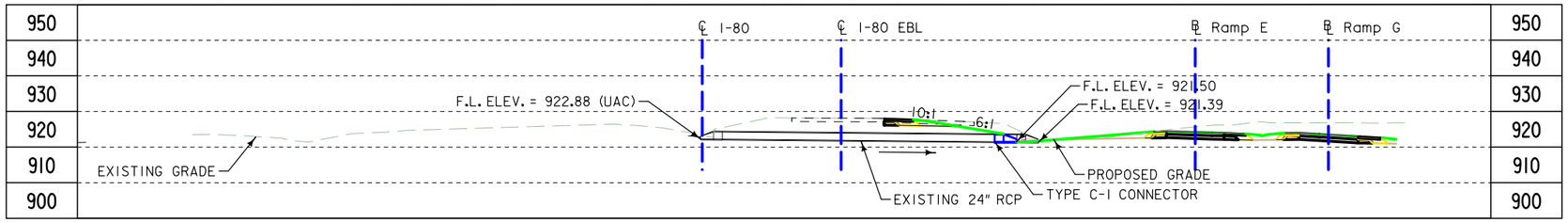
IOWA COUNTY

IOWA DEPARTMENT OF TRANSPORTATION - HIGHWAY DIVISION

DESIGN SHEET NO. OF FILE NO. DESIGN NO.

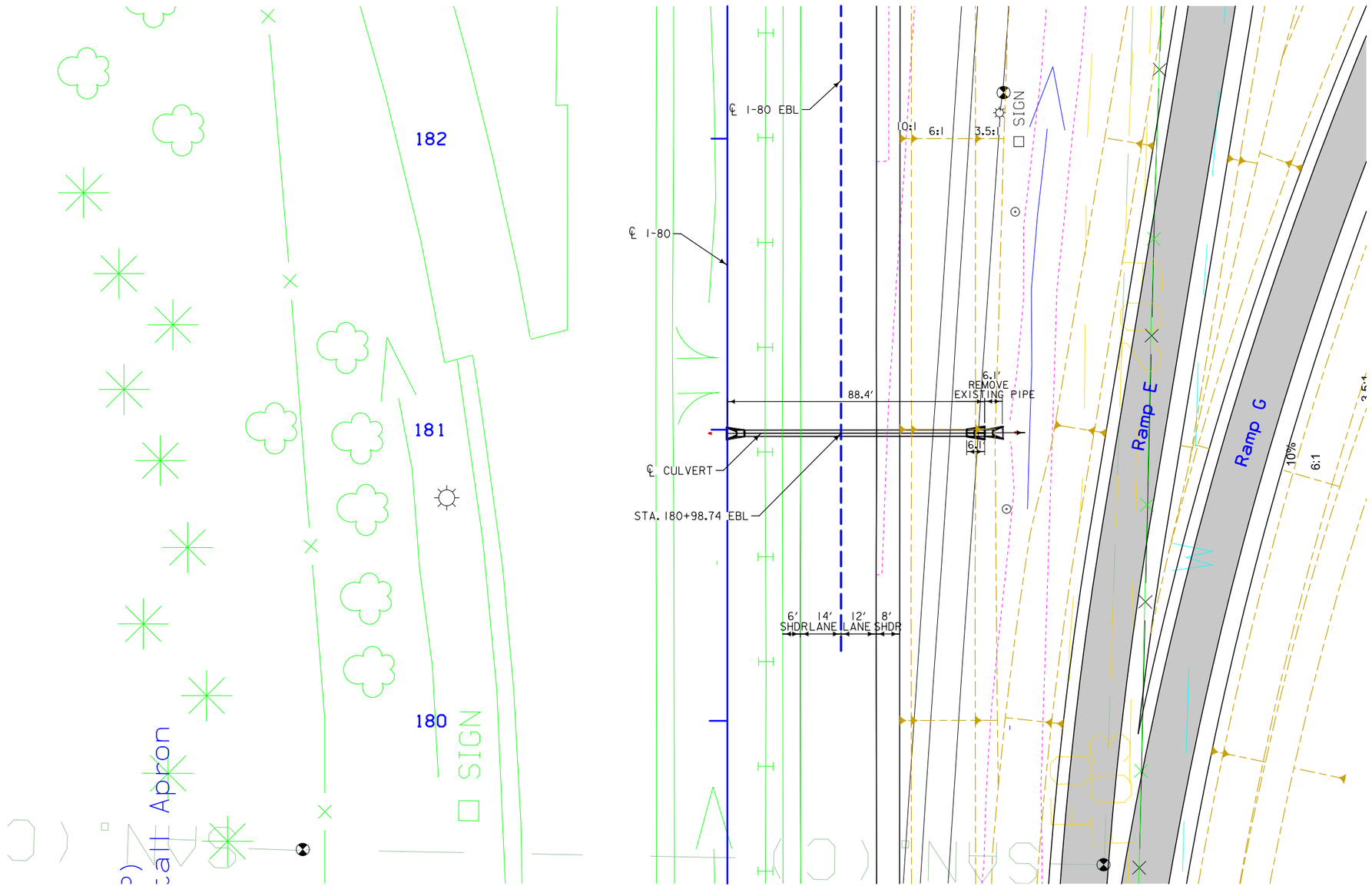
FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER V.1

SYSTEMTIME SYSTEMDATE USERNAME DGNSPEC



LONGITUDINAL SECTION ALONG ℄ CULVERT

BM502
Sta. 164+88.96 out 139.74 Rt
Elev = 928.432



PLAT PLAN

N

0 ENGLISH 40
SCALE IN FEET

UTILITIES LEGEND:

REFER TO D.1

LOCATION

T-80N R-12W
SECTION 34
HARTFORD TOWNSHIP
IOWA COUNTY

DESIGN FOR 0° SKEW

24" X -6' REINFORCED CONCRETE PIPE EXTENSION PLAT PLAN

STATION 180+98.74 EBL 01/11/21

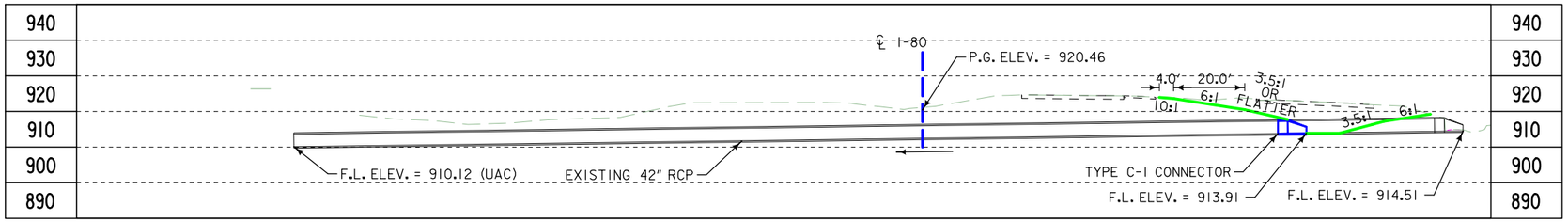
IOWA COUNTY

IOWA DEPARTMENT OF TRANSPORTATION - HIGHWAY DIVISION

DESIGN SHEET NO. OF FILE NO. DESIGN NO.

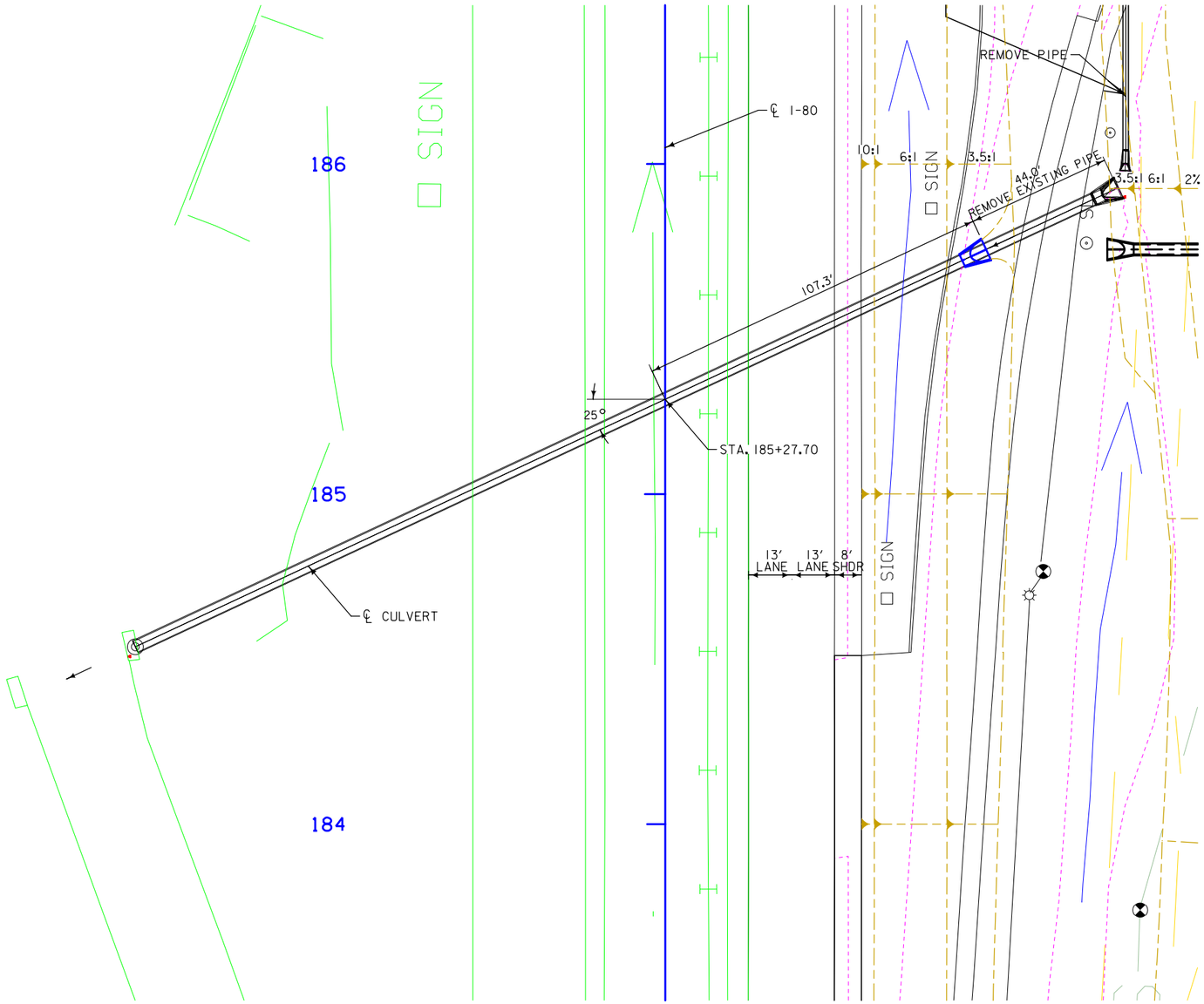
FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER V.2

SYSTEMTIME SYSTEMDATE USERNAME DGNSPEC



LONGITUDINAL SECTION ALONG ℄ CULVERT

BM506
Sta 192+04.43 out 199.95 Rt
YC7950190.423 XC20345940.165
Elev= 922.406
Description: SET MAG NAIL S SIDE LU



PLAT PLAN

N

0 ENGLISH 40
SCALE IN FEET

UTILITIES LEGEND:

REFER TO D.1

HYDRAULIC DATA

DRAINAGE AREA = 32.0 ACRES ROLLING

LOCATION

T-80N R-12W
SECTION 34
HARTFORD TOWNSHIP
IOWA COUNTY

DESIGN FOR 25° SKEW RT HEAD

42" X -44'
REINFORCED CONCRETE PIPE EXTENSION
PLAT PLAN

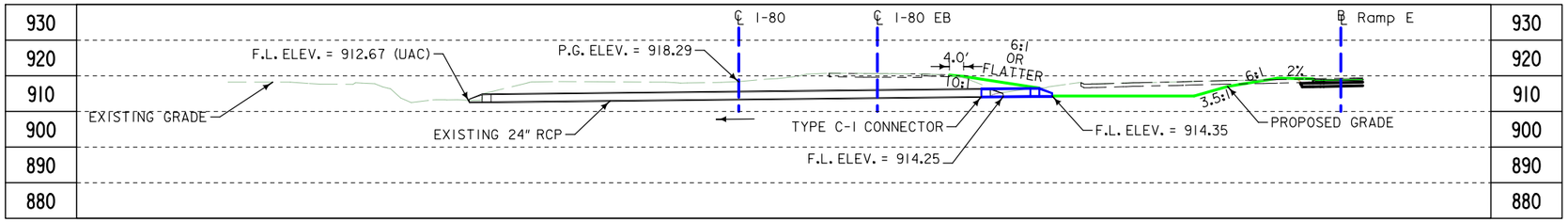
STATION 185+27.70 01/11/21

IOWA COUNTY
IOWA DEPARTMENT OF TRANSPORTATION - HIGHWAY DIVISION

DESIGN SHEET NO. OF FILE NO. DESIGN NO.

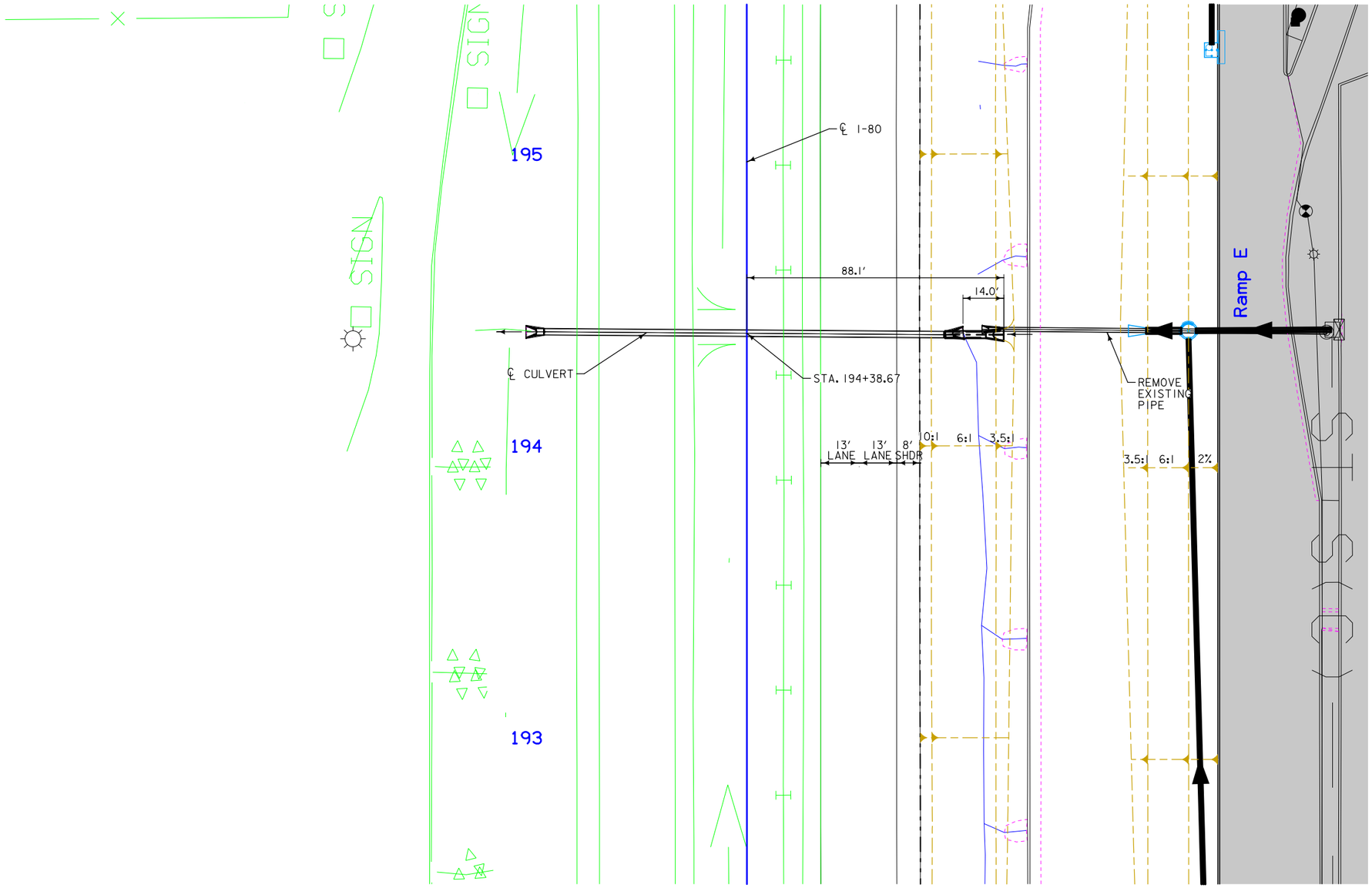
FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER V.3

SYSTEMTIME SYSTEMDATE USERNAME DGNSPEC

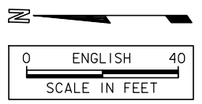


LONGITUDINAL SECTION ALONG ℄ CULVERT

BM502
Sta 164+88.96 out 139.74 Rt
YC7950250.007 XC20343677.380
Elev= 928.432
Description: CUT X ON ROW RAIL



PLAT PLAN



UTILITIES LEGEND:

REFER TO D.1

HYDRAULIC DATA

DRAINAGE AREA = 4.0 ACRES ROLLING

LOCATION

T-80N R-12W
SECTION 34
HARTFORD TOWNSHIP
IOWA COUNTY

DESIGN FOR 0° SKEW

24" X 14' REINFORCED CONCRETE PIPE EXTENSION PLAT PLAN

STATION 194+38.67 01/11/21

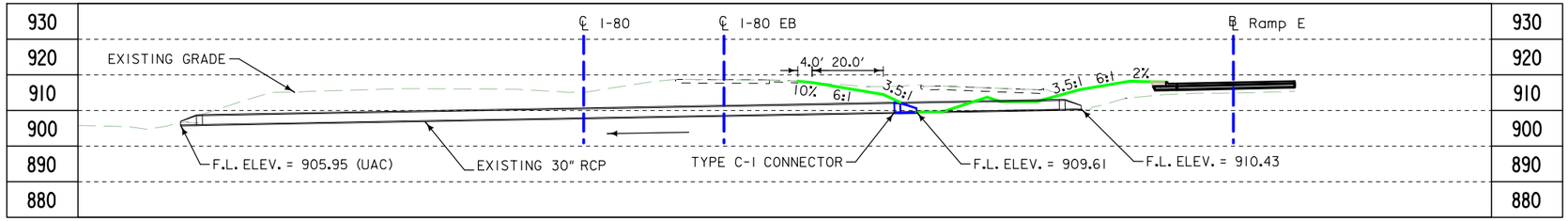
IOWA COUNTY

IOWA DEPARTMENT OF TRANSPORTATION - HIGHWAY DIVISION

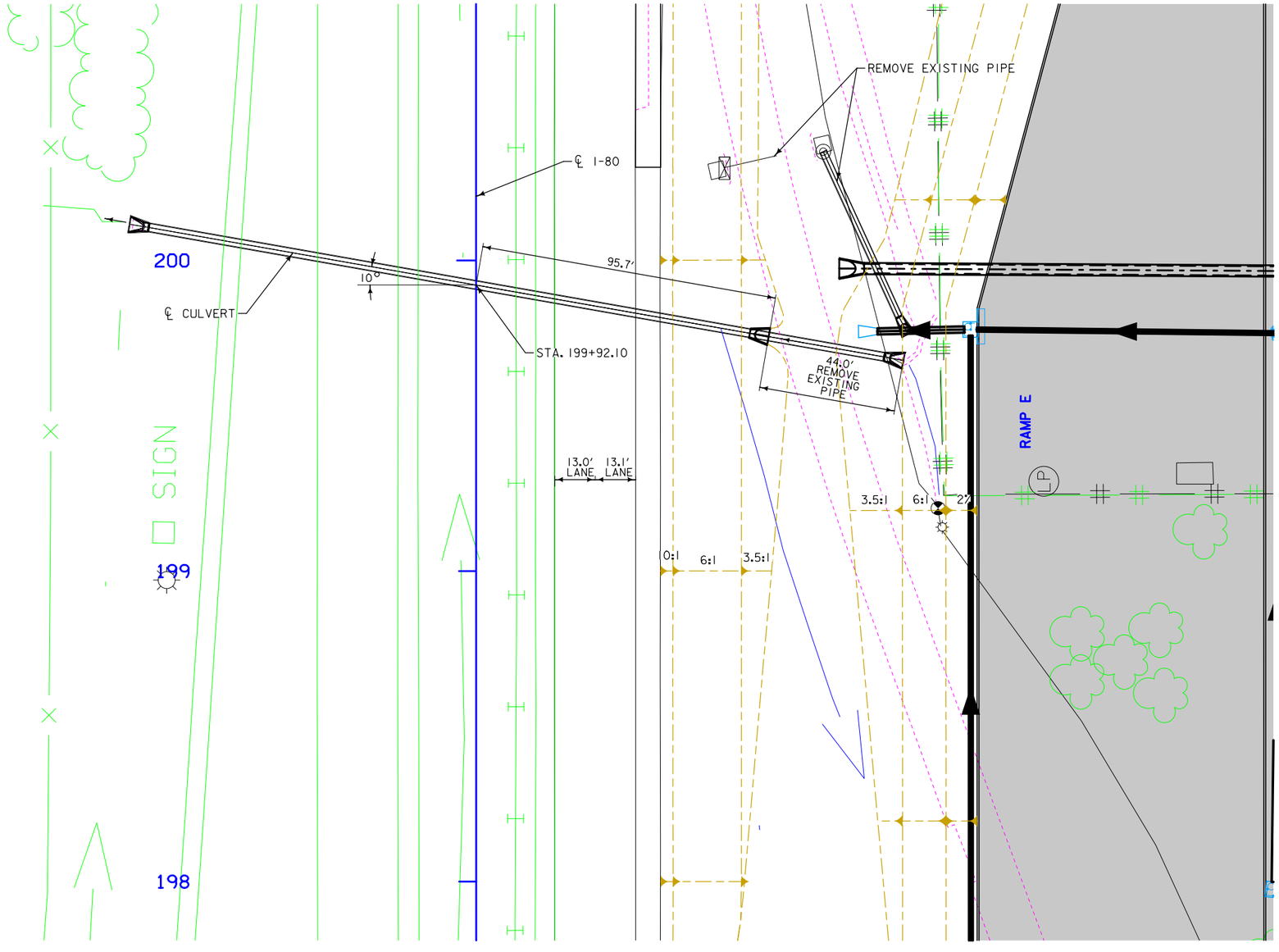
DESIGN SHEET NO. OF FILE NO. DESIGN NO.

FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER V.4

SYSTEMTIME SYSTEMDATE USERNAME DGNSPEC



LONGITUDINAL SECTION ALONG ℄ CULVERT



PLAT PLAN

BM508
Sta 201+63.63 out 147.82 Rt
YC7950242.703 XC20346899.362
Elev= 920.634
Description: CUT X ON ROW RAIL

N

0 ENGLISH 40
SCALE IN FEET

UTILITIES LEGEND:

REFER TO D.1

HYDRAULIC DATA

DRAINAGE AREA = 8.0 ACRES ROLLING

LOCATION

T-80N R-12W
SECTION 34
HARTFORD TOWNSHIP
IOWA COUNTY

DESIGN FOR 10° SKEW LT AHEAD

30" X 44'
REINFORCED CONCRETE
PIPE EXTENSION
PLAT PLAN

STATION 199+92.10 1/11/21

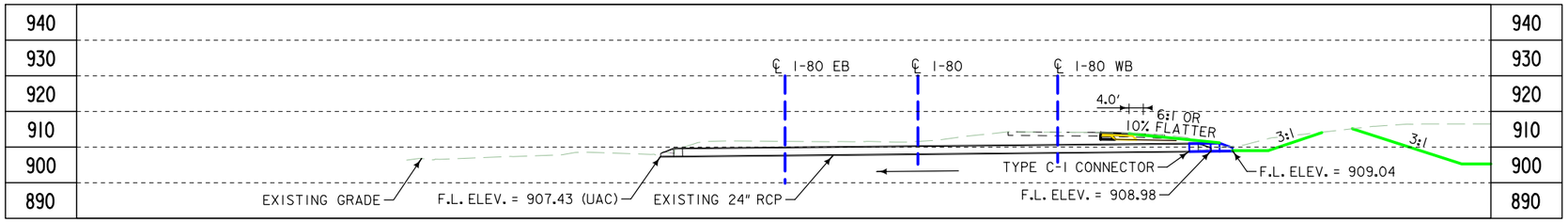
IOWA COUNTY

IOWA DEPARTMENT OF TRANSPORTATION - HIGHWAY DIVISION

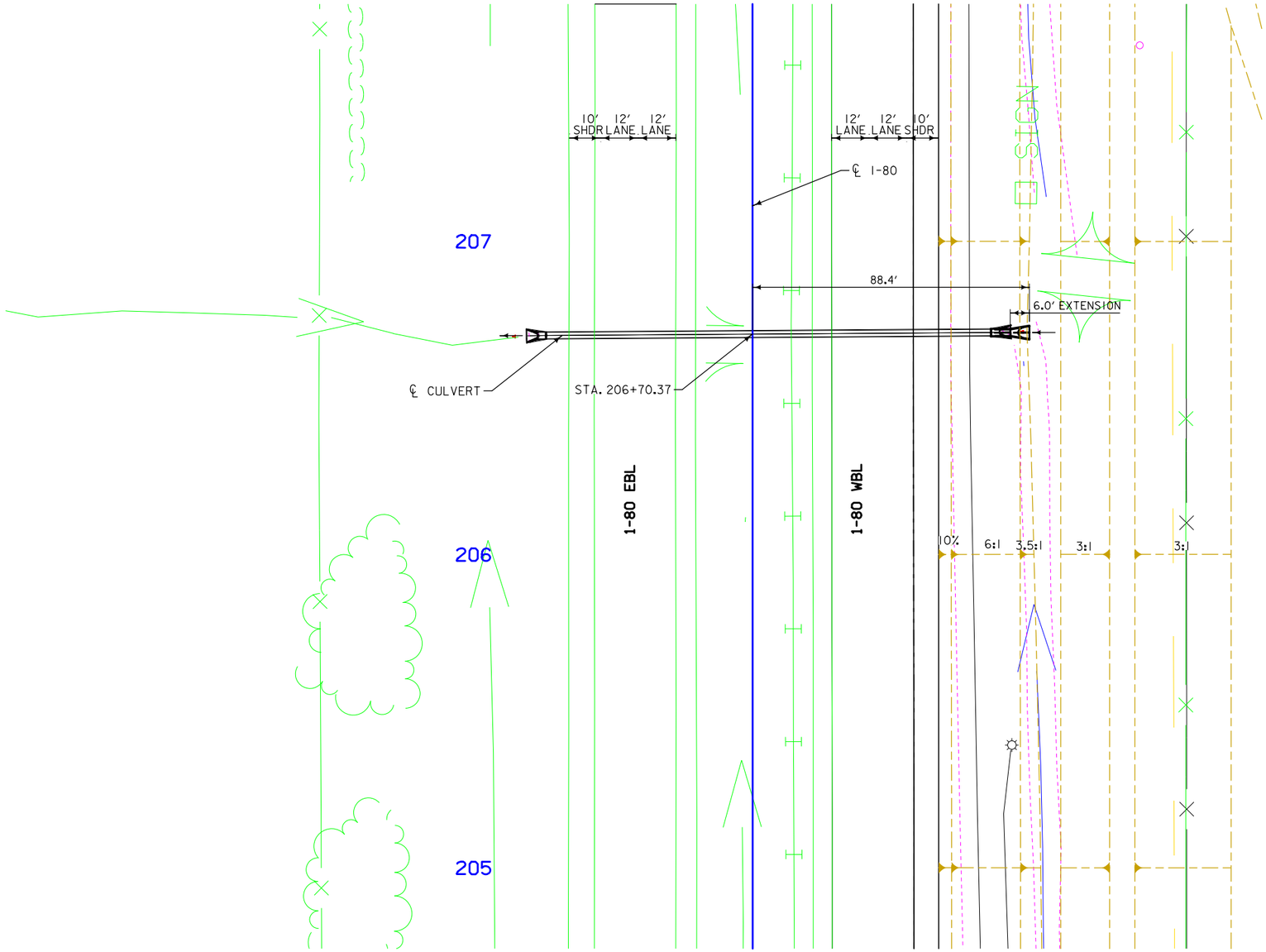
DESIGN SHEET NO. OF FILE NO. DESIGN NO.

FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER V.5

SYSTEMTIME SYSTEMDATE USERNAME DGNSPEC



LONGITUDINAL SECTION ALONG ℄ CULVERT



PLAT PLAN

BM508
Sta 201+63.63 out 147.82
Rt YC7950242.703 XC20346899.362
Elev= 920.634
Description: CUT X ON ROW RAIL

N

0 ENGLISH 40
SCALE IN FEET

UTILITIES LEGEND:

REFER TO D.1

HYDRAULIC DATA

DRAINAGE AREA = 2.0 ACRES ROLLING

LOCATION

T-80N R-12W
SECTION 34
HARTFORD TOWNSHIP
IOWA COUNTY

DESIGN FOR 0° SKEW

24" X 6' REINFORCED CONCRETE PIPE EXTENSION PLAT PLAN

STATION 206+70.37 01/11/21

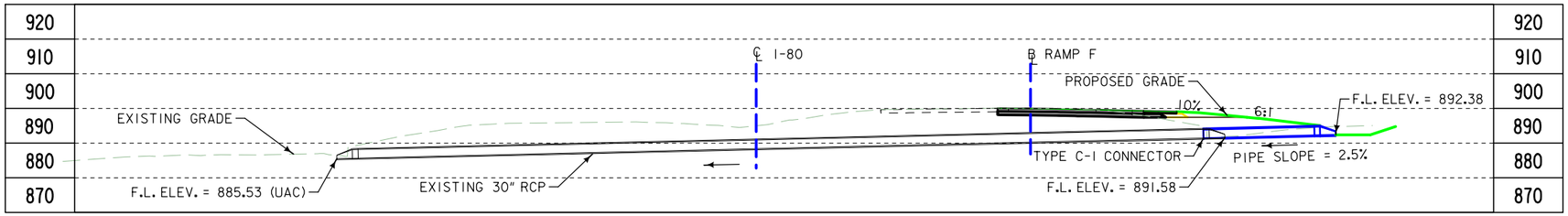
IOWA COUNTY

IOWA DEPARTMENT OF TRANSPORTATION - HIGHWAY DIVISION

DESIGN SHEET NO. OF FILE NO. DESIGN NO.

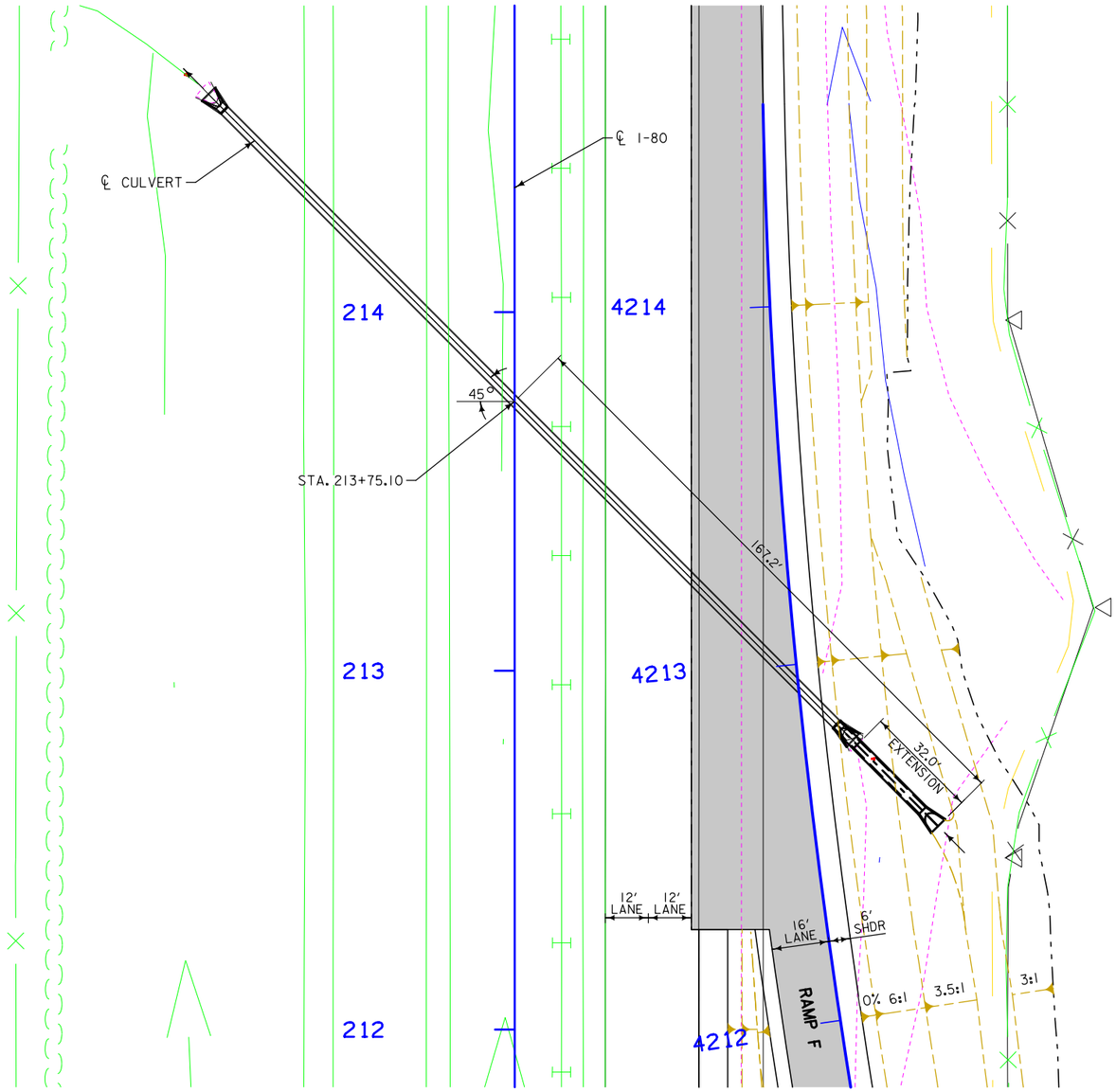
FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER V.6

SYSTEMTIME SYSTEMDATE USERNAME DGNSPEC



LONGITUDINAL SECTION ALONG ℄ CULVERT

BM509
Sta 213+97.74 out 139.85 Rt
YC7950250.874 XC20348133.467
Elev= 895.992
Description: CUT X ON ROW RAIL



PLAT PLAN

N

0 ENGLISH 40
SCALE IN FEET

UTILITIES LEGEND:

REFER TO D.1

HYDRAULIC DATA

DRAINAGE AREA = 18.0 ACRES ROLLING

LOCATION

T-80N R-12W
SECTION 34
HARTFORD TOWNSHIP
IOWA COUNTY

DESIGN FOR 40° SKEW LT AHEAD

30" X 32' REINFORCED CONCRETE PIPE EXTENSION PLAT PLAN

STATION 213+75.10 01/11/21

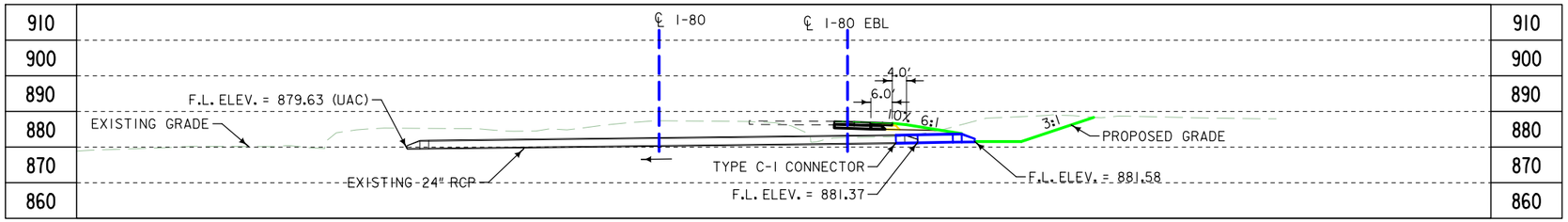
IOWA COUNTY

IOWA DEPARTMENT OF TRANSPORTATION - HIGHWAY DIVISION

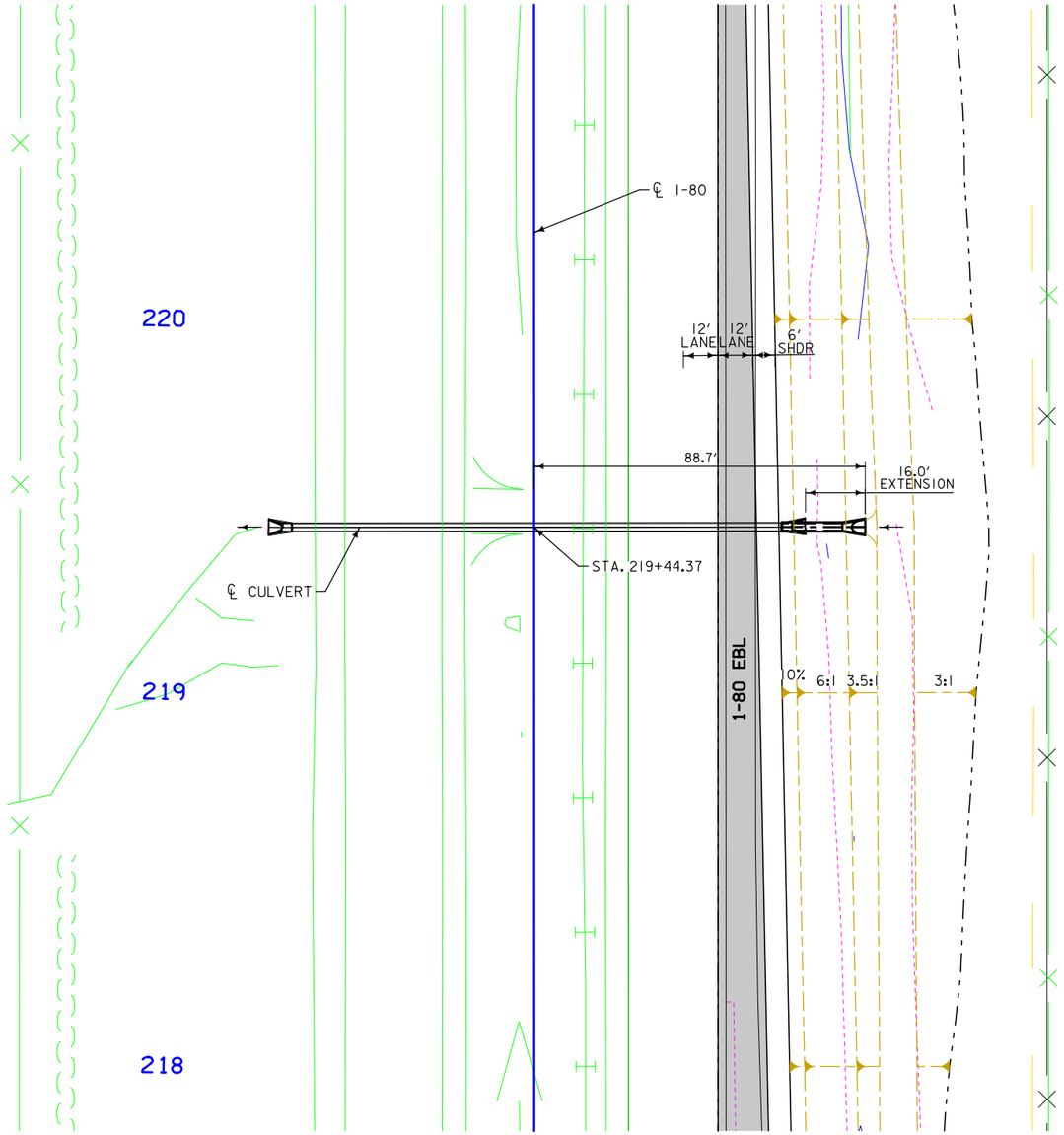
DESIGN SHEET NO. OF FILE NO. DESIGN NO.

FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER V.7

SYSTEMTIME SYSTEMDATE USERNAME DGNSPEC



LONGITUDINAL SECTION ALONG ℄ CULVERT



PLAT PLAN

BM509
Sta 213+97.74 out 139.85 Rt
YC7950250.874 XC20348133.467
Elev= 895.992
Description: CUT X ON ROW RAIL

N

0 ENGLISH 40
SCALE IN FEET

UTILITIES LEGEND:

REFER TO D.1

HYDRAULIC DATA

DRAINAGE AREA = 0.5 ACRES ROLLING

LOCATION

T-80N R-12W
SECTION 34
HARTFORD TOWNSHIP
IOWA COUNTY

DESIGN FOR 0° SKEW

24" X 16' REINFORCED CONCRETE PIPE EXTENSION PLAT PLAN

STATION 219+44.37 01/11/21

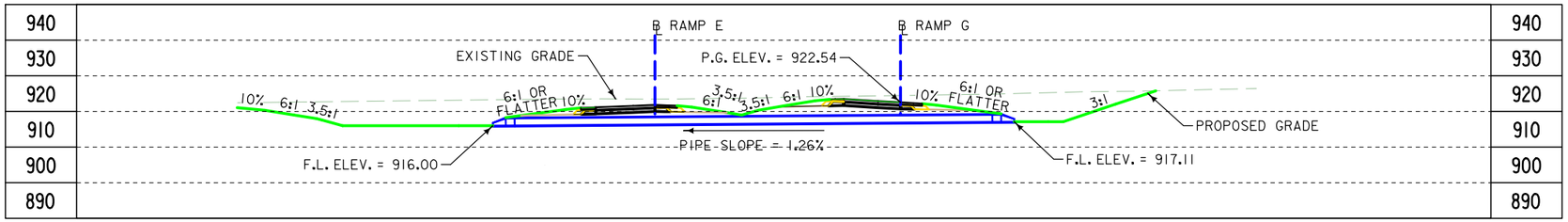
IOWA COUNTY

IOWA DEPARTMENT OF TRANSPORTATION - HIGHWAY DIVISION

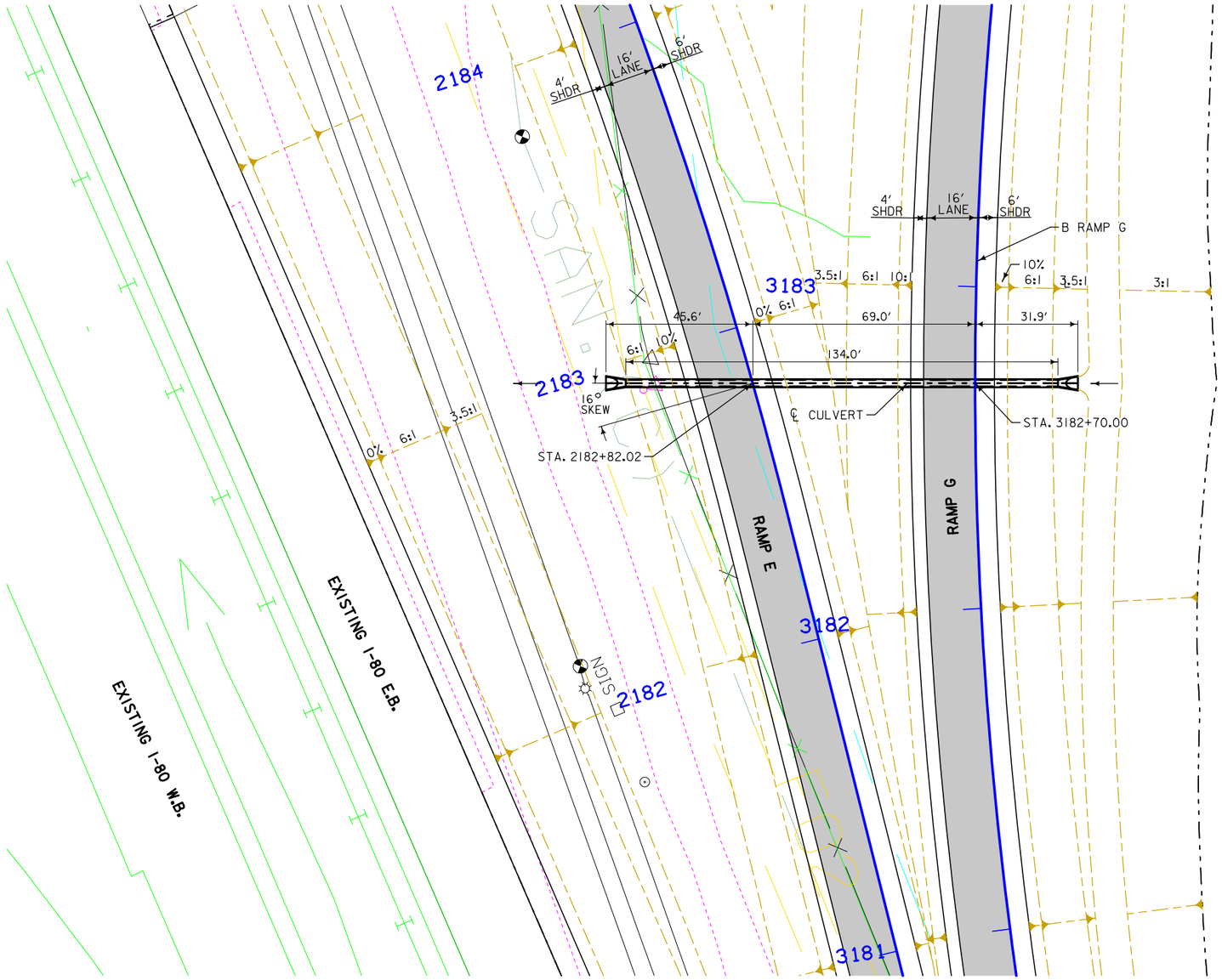
DESIGN SHEET NO. OF FILE NO. DESIGN NO.

FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER V.8

SYSTEMTIME SYSTEMDATE USERNAME DGNSPEC



LONGITUDINAL SECTION ALONG ℄ CULVERT



PLAT PLAN

BM509
Sta 213+97.74 out 139.85 Rt
YC7950250.874 XC20348133.467
Elev= 895.992
Description: CUT X ON ROW RAIL

N

0 ENGLISH 40
SCALE IN FEET

UTILITIES LEGEND:

REFER TO D.1

HYDRAULIC DATA

DRAINAGE AREA = 3.88 ACRES FLAT
DESIGN DISCHARGE, Q_{50} = 8.16 CFS

LOCATION

T-80N R-12W
SECTION 34
HARTFORD TOWNSHIP
IOWA COUNTY

DESIGN FOR 0° SKEW

24" X 134'
REINFORCED CONCRETE PIPE
PLAT PLAN

STATION 3182+70.00 RAMP G 01/11/21

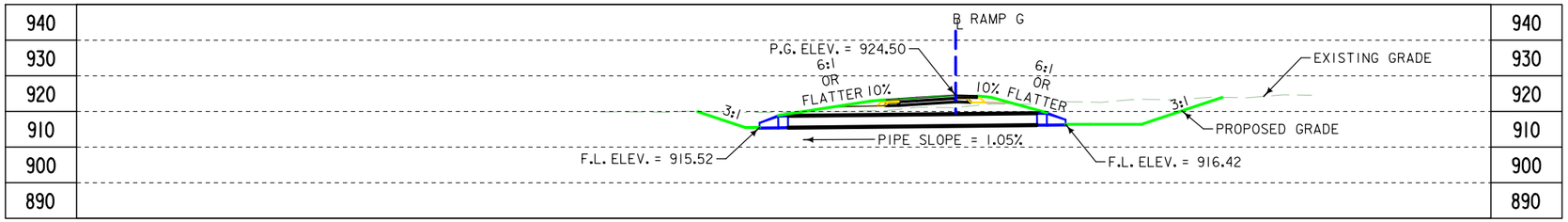
IOWA COUNTY

IOWA DEPARTMENT OF TRANSPORTATION - HIGHWAY DIVISION

DESIGN SHEET NO. ___ OF ___ FILE NO. _____ DESIGN NO. _____

FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER V.9

SYSTEMTIME SYSTEMDATE USERNAME DGNSPEC



LONGITUDINAL SECTION ALONG ℄ CULVERT

BM509
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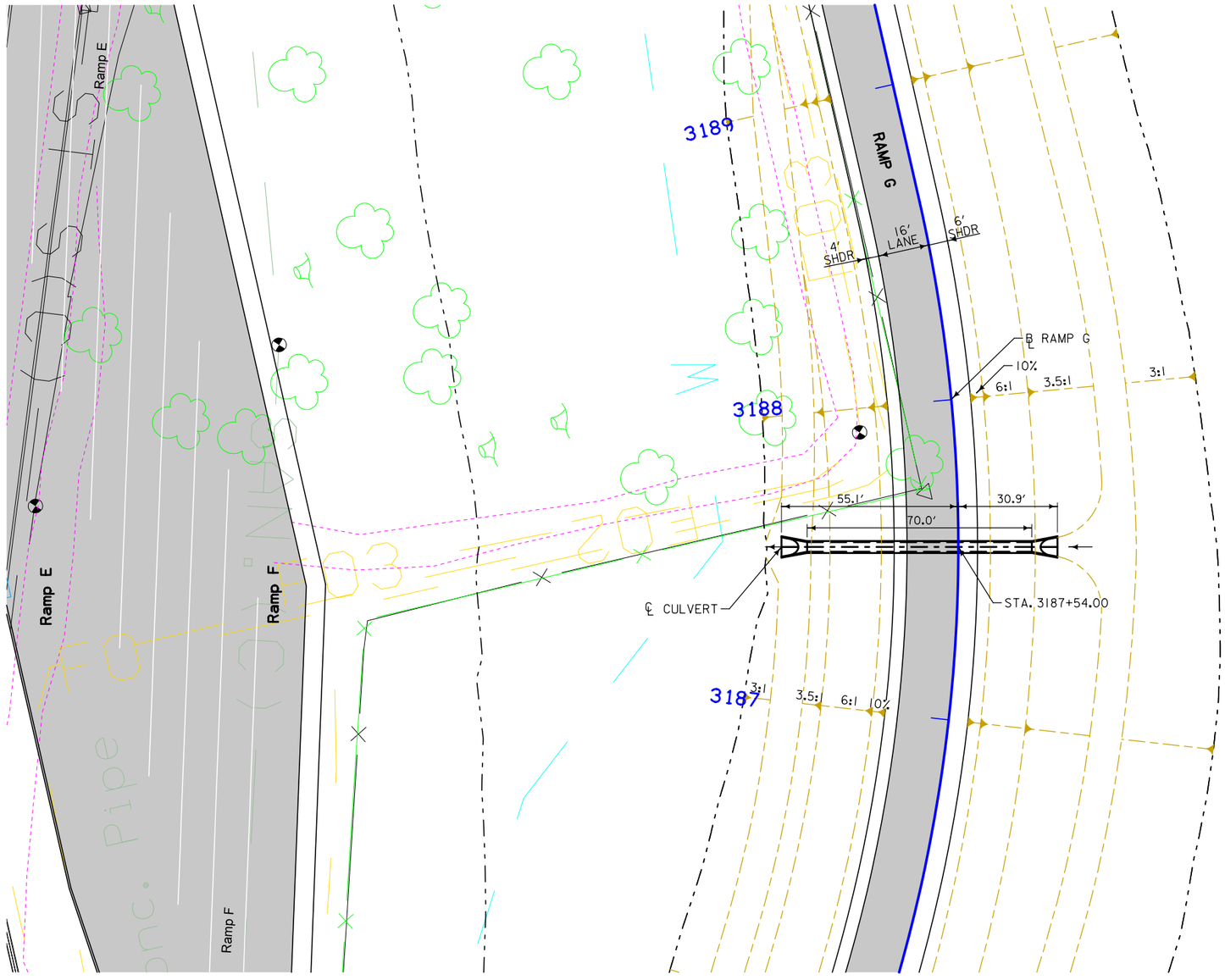
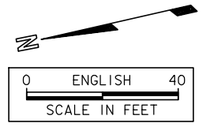
YC7950250.874 XC20348133.467
Elev= 895.992
Description: CUT X ON ROW RAIL



PLAT PLAN



UTILITIES LEGEND:

REFER TO D.1

HYDRAULIC DATA

DRAINAGE AREA = 22.6 ACRES FLAT
DESIGN DISCHARGE, Q_{50}= 31.2 CFS

LOCATION

T-80N R-12W
SECTION 34
HARTFORD TOWNSHIP
IOWA COUNTY

DESIGN FOR 0° SKEW

36" X 70'
REINFORCED CONCRETE PIPE
PLAT PLAN

STATION 3187+54.00 RAMP G 01/11/21

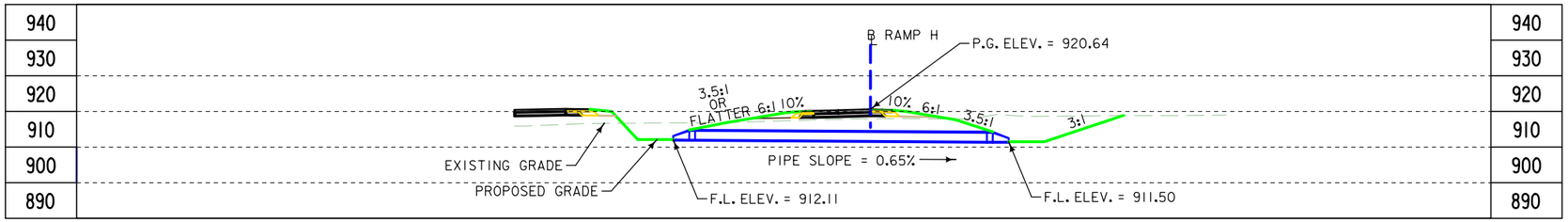
IOWA COUNTY

IOWA DEPARTMENT OF TRANSPORTATION - HIGHWAY DIVISION

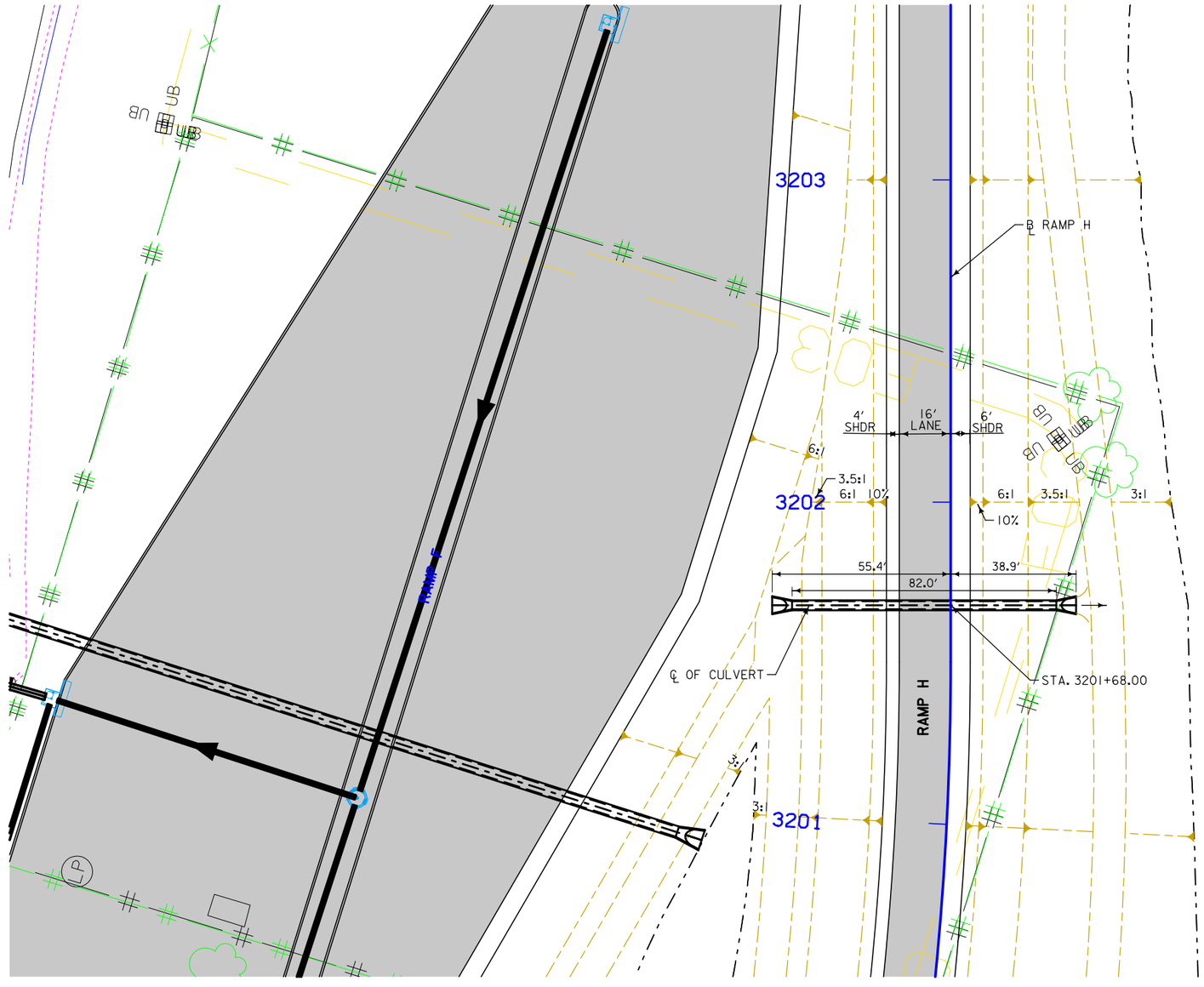
DESIGN SHEET NO. OF FILE NO. DESIGN NO.

FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER V.10

SYSTEMTIME SYSTEMDATE USERNAME DGNSPEC



LONGITUDINAL SECTION ALONG ℄ CULVERT



PLAT PLAN

BM509
Sta 213+97.74 out 139.85 Rt
YC7950250.874 XC20348133.467
Elev= 895.992
Description: CUT X ON ROW RAIL

N

0 ENGLISH 40
SCALE IN FEET

UTILITIES LEGEND:

REFER TO D.1

HYDRAULIC DATA

DRAINAGE AREA = 11.45 ACRES FLAT
DESIGN DISCHARGE, Q_{50} = 18.6 CFS

LOCATION

T-80N R-12W
SECTION 34
HARTFORD TOWNSHIP
IOWA COUNTY

DESIGN FOR 0° SKEW

30" X 82'
REINFORCED CONCRETE
PIPE EXTENSION
PLAT PLAN

STATION 3201+68.00 RAMP H 01/11/21

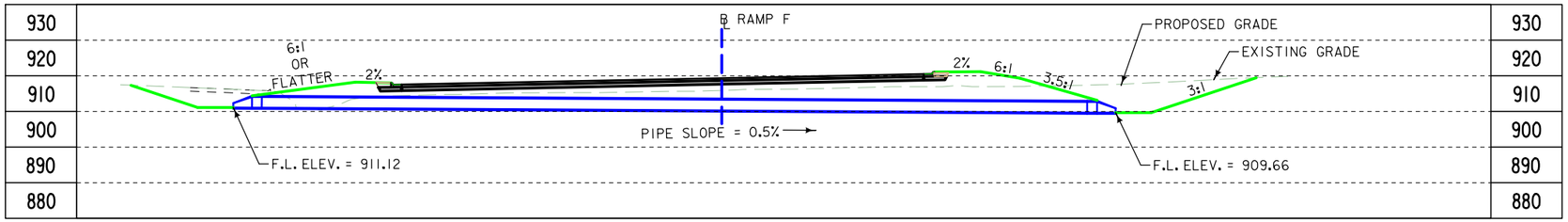
IOWA COUNTY

IOWA DEPARTMENT OF TRANSPORTATION - HIGHWAY DIVISION

DESIGN SHEET NO. OF FILE NO. DESIGN NO.

FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER V.11

SYSTEMTIME SYSTEMDATE USERNAME DGNSPEC



LONGITUDINAL SECTION ALONG ℄ CULVERT

BM509
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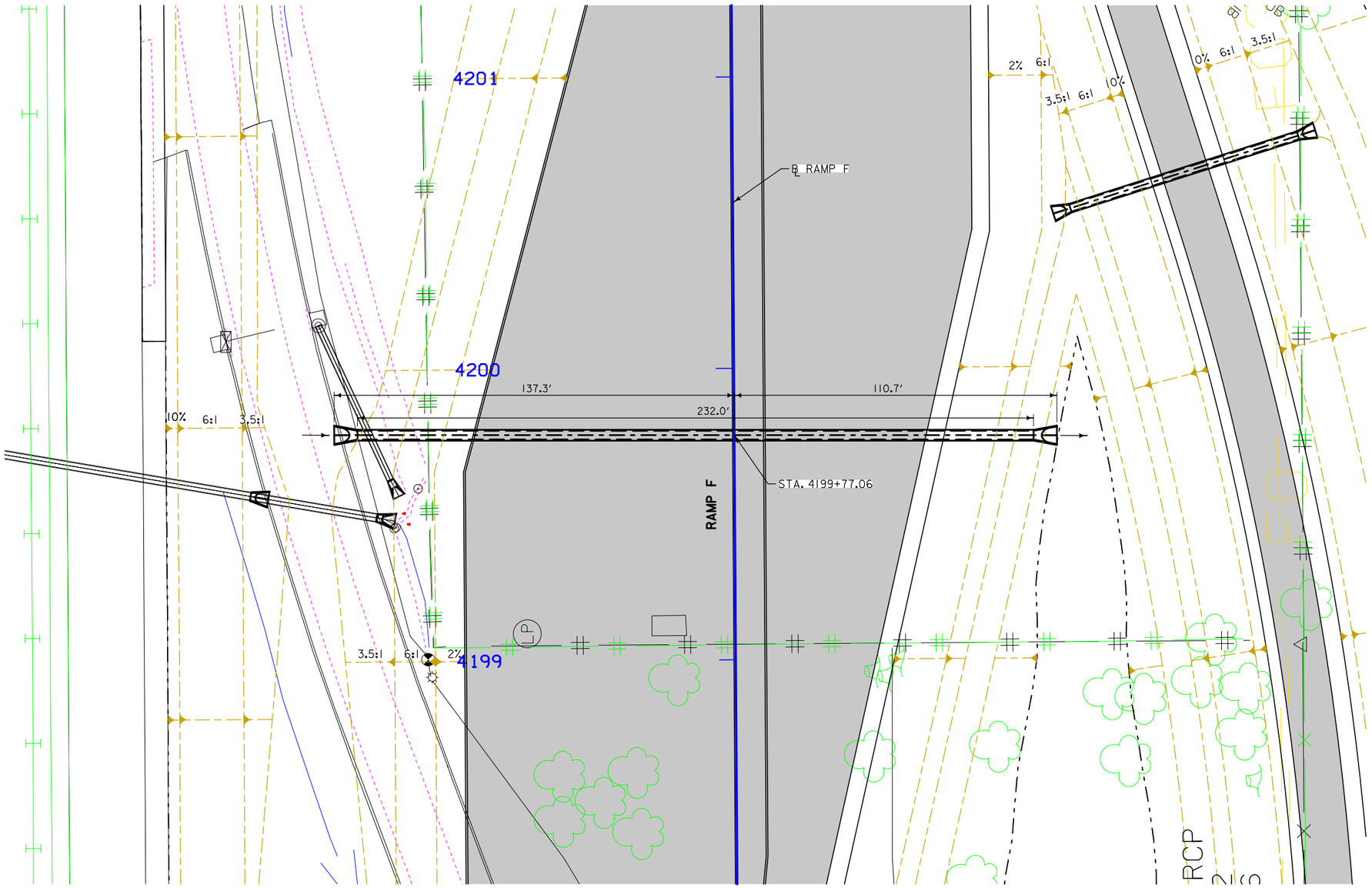
YC7950250.874 XC20348133.467
Elev= 895.992
Description: CUT X ON ROW RAIL



PLAT PLAN

N

0 ENGLISH 40
SCALE IN FEET

UTILITIES LEGEND:

REFER TO D.1

HYDRAULIC DATA

DRAINAGE AREA = X.X ACRES FLAT OR ROLLING??
DESIGN DISCHARGE, Q_{50}= X.XX CFS

LOCATION

T-80N R-12W
SECTION 34
HARTFORD TOWNSHIP
IOWA COUNTY

DESIGN FOR 0° SKEW

36" X 232'
REINFORCED CONCRETE PIPE
PLAT PLAN

STATION 4199+77.06 RAMP F 01/11/21

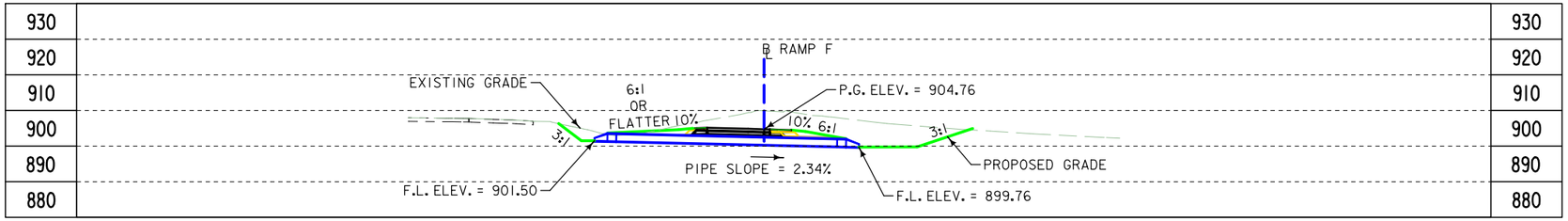
IOWA COUNTY

IOWA DEPARTMENT OF TRANSPORTATION - HIGHWAY DIVISION

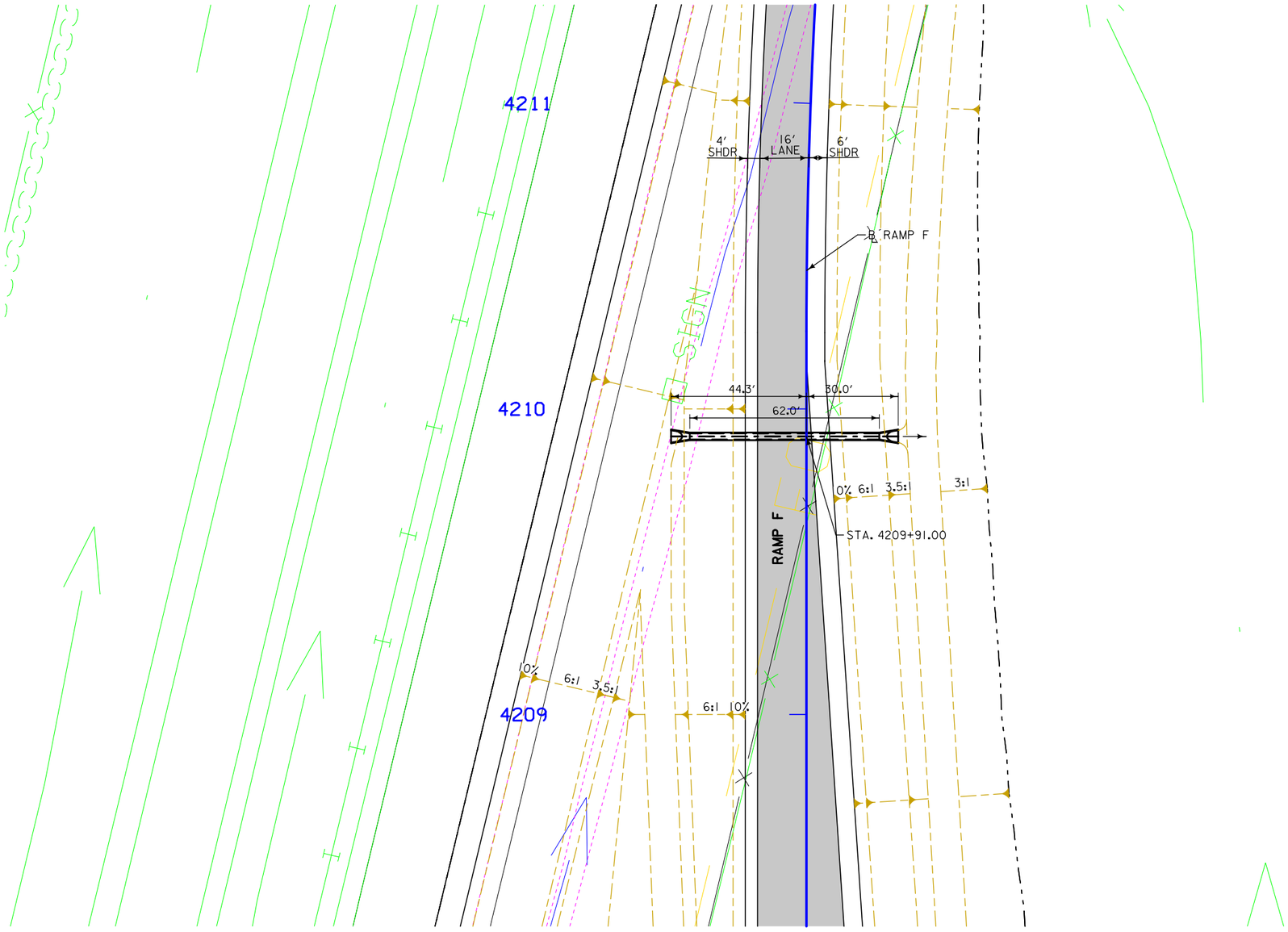
DESIGN SHEET NO. OF FILE NO. DESIGN NO.

FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER V.12

SYSTEMTIME SYSTEMDATE USERNAME DGNSPEC



LONGITUDINAL SECTION ALONG ℄ CULVERT



PLAT PLAN

BM509
Sta 213+97.74 out 139.85 Rt
YC7950250.874 XC20348133.467
Elev= 895.992
Description: CUT X ON ROW RAIL

N

0 ENGLISH 40
SCALE IN FEET

UTILITIES LEGEND:

REFER TO D.1

HYDRAULIC DATA

DRAINAGE AREA = 2.0 ACRES FLAT
DESIGN DISCHARGE, Q_{50} = 6.14 CFS

LOCATION

T-80N R-12W
SECTION 34
HARTFORD TOWNSHIP
IOWA COUNTY

DESIGN FOR 0° SKEW

24" X 62'
REINFORCED CONCRETE
PIPE
PLAT PLAN

STATION 4209+91.00 RAMP F 01/11/21

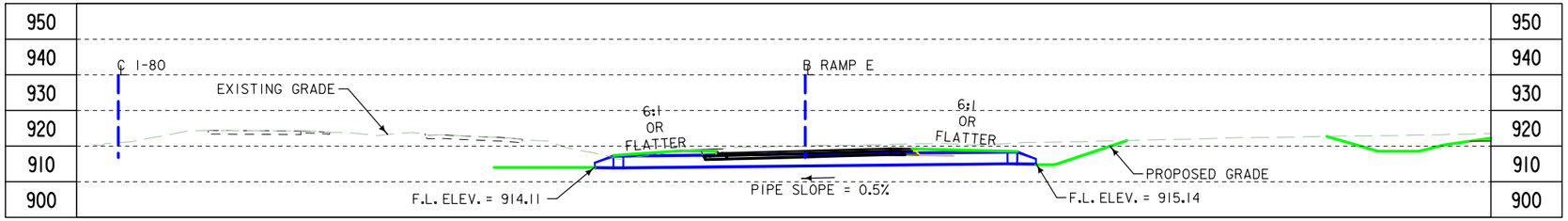
IOWA COUNTY

IOWA DEPARTMENT OF TRANSPORTATION - HIGHWAY DIVISION

DESIGN SHEET NO. OF FILE NO. DESIGN NO.

FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER V.13

SYSTEMTIME SYSTEMDATE USERNAME DGNSPEC



LONGITUDINAL SECTION ALONG ℄ CULVERT

BM509
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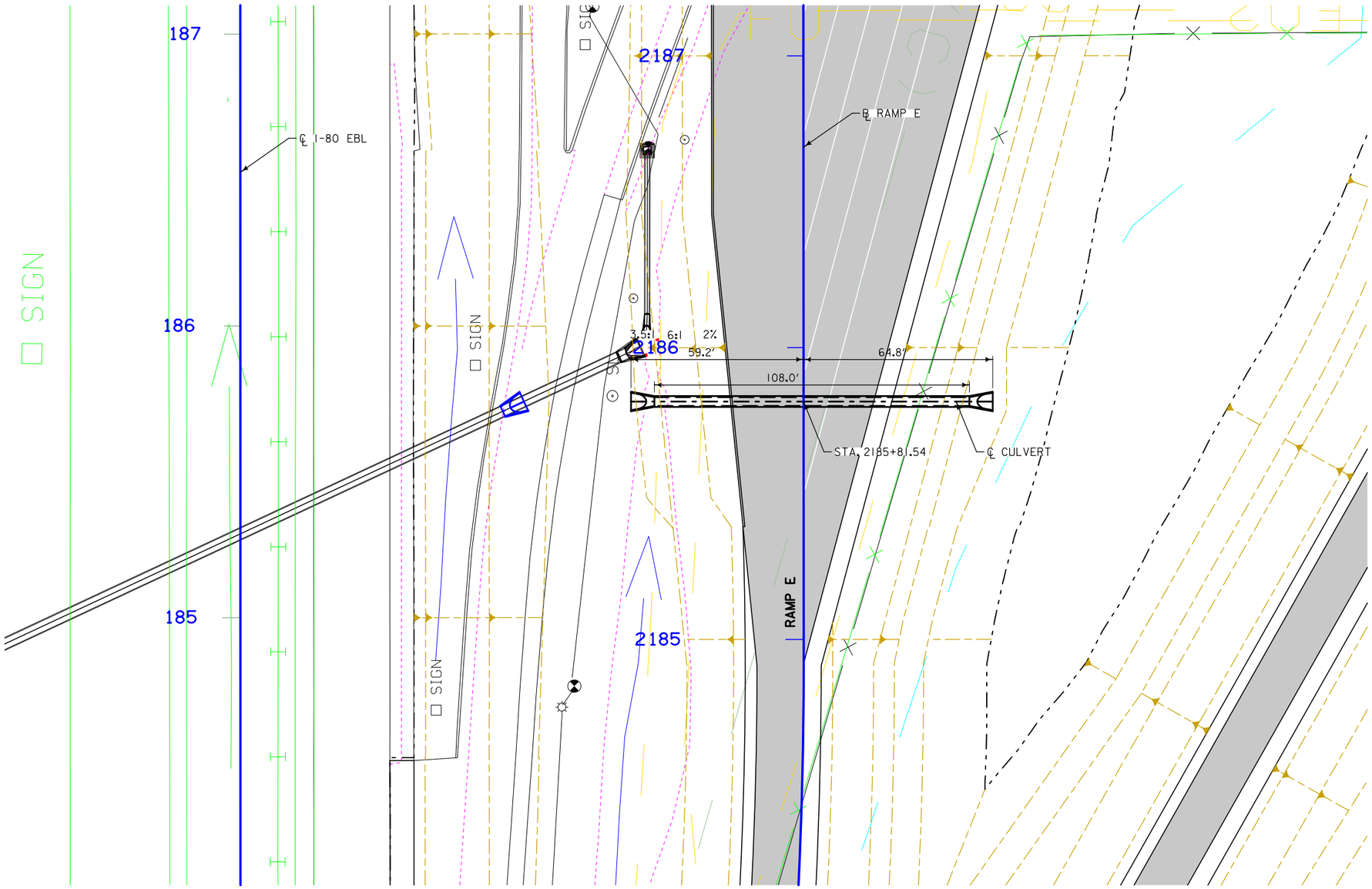
YC7950250.874 XC20348133.467
Elev= 895.992
Description: CUT X ON ROW RAIL



PLAT PLAN

N

0 ENGLISH 40
SCALE IN FEET

UTILITIES LEGEND:

REFER TO D.1

HYDRAULIC DATA

DRAINAGE AREA = 2.0 ACRES FLAT
DESIGN DISCHARGE, Q_{50}= 6.14 CFS

LOCATION

T-80N R-12W
SECTION 34
HARTFORD TOWNSHIP
IOWA COUNTY

DESIGN FOR 0° SKEW

36" X 108'
REINFORCED CONCRETE
PIPE
PLAT PLAN

STATION 2185+81.54 RAMP E 01/11/21

IOWA COUNTY

IOWA DEPARTMENT OF TRANSPORTATION - HIGHWAY DIVISION

DESIGN SHEET NO. OF FILE NO. DESIGN NO.

FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER V.14

SYSTEMTIME SYSTEMDATE USERNAME DGNSPEC

LINE STYLE LEGEND OF CROSS SECTION SHEETS (ROAD)

- Existing Ground Line
- Proposed Template
- Proposed Topsoil Placement
- Additional Topsoil Removal
- Subrade Treatment
- Granular Shoulder
- Pavement
- Existing Pipe\RCB
- Proposed Pipe\RCB
- Proposed Dike
- All Elements Associated with Proposed Entrances

LINE STYLE LEGEND OF CROSS SECTION SHEETS (SOILS)

- TOPSOIL — Topsoil (Class 10)
- Slope Dressing Only
- CL 10 — Class 10 Materials
- SEL LO — Select Loams And Clay-Loams
- SEL SA — Select Sand
- UNS A — Unsuitable Type A Disposal
- UNS B — Unsuitable Type B Disposal
- UNS C — Unsuitable Type C Disposal
- SHALE — Shale
- WASTE — Waste
- BRK LS — Broken and Weathered Rock
- ROCK — Solid Rock
- BLDRS — Boulders

Note: All layer lines and descriptions identify layers above the line.

Note: Vertical or near vertical lines connecting soil layers at edges of cross sections are only for the purpose of calculating template quantities and do not depict soil stratification.

SYMBOL LEGEND OF CROSS SECTION SHEETS

Existing ROW — Existing Right-of-Way Limit

Proposed ROW — Proposed Right-of-Way Limit

Temporary ROW — Temporary Right-of-Way Limit

CROSS SECTION LEGEND AND SYMBOL INFORMATION SHEET

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

FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER W.1

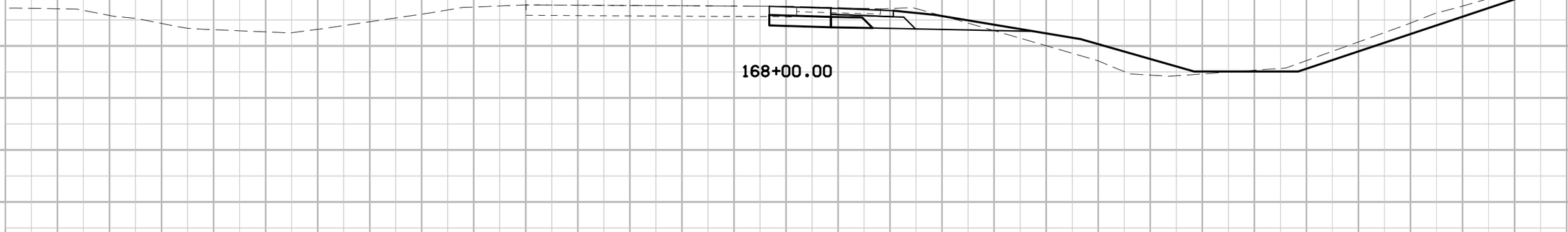
6:10:05 PM 1/11/2021 mbeerends pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\48080O1019\Design\CADD_Files\Sheet_Files\SHT_48080483Z10_LGD.dgn

I-80
Preliminary

20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120

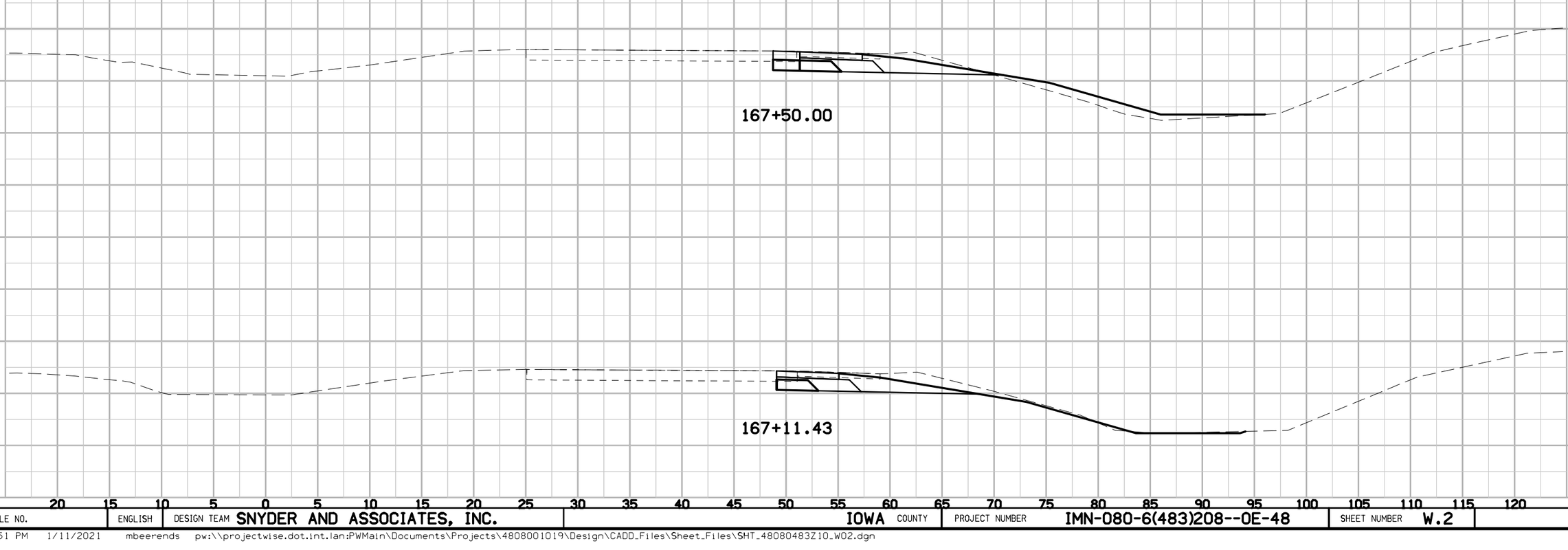
930
925
920
915

168+00.00



930
925
920
915

167+50.00



930
925
920
915

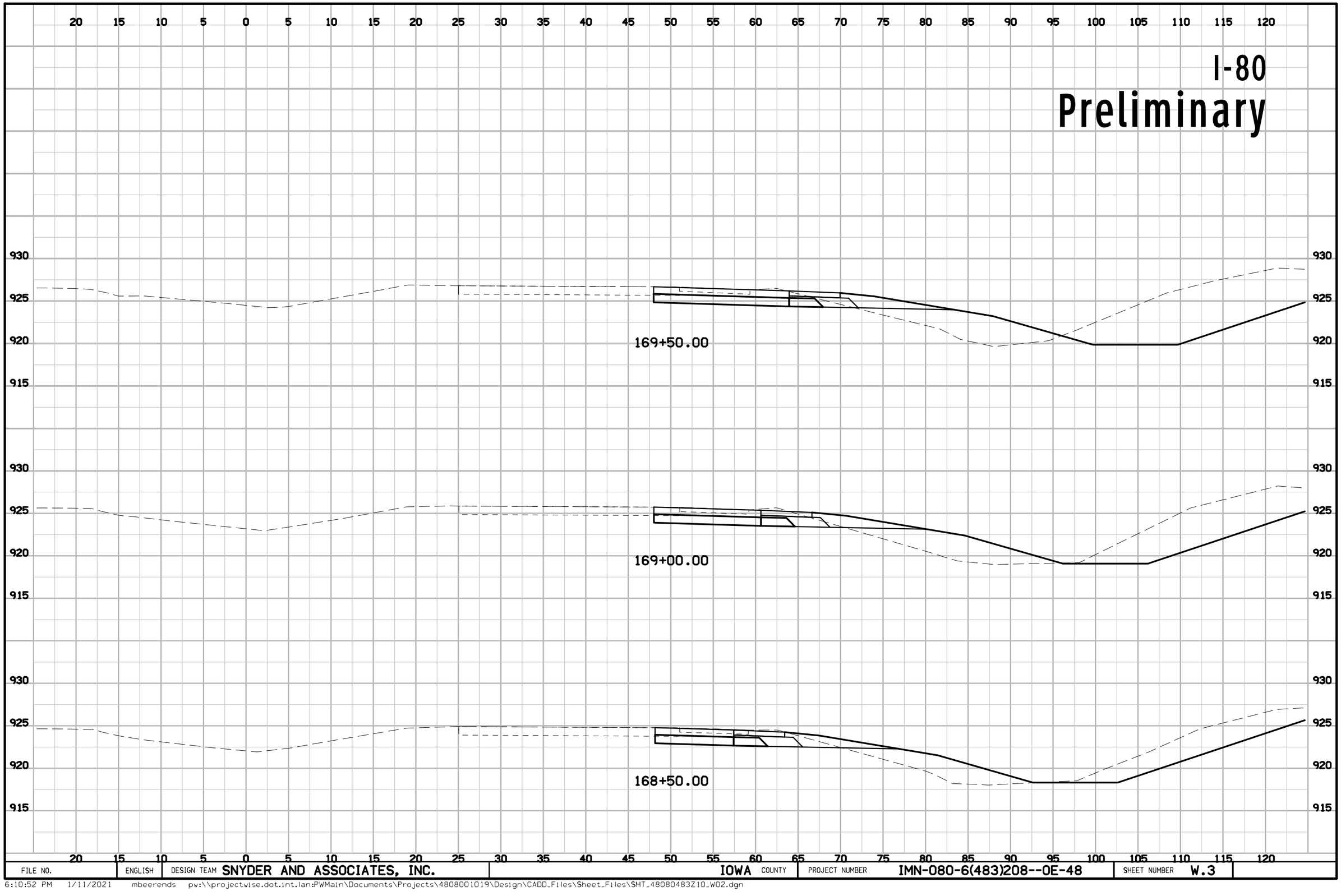
167+11.43

20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120

FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER W.2

6:10:51 PM 1/11/2021 mbeerends pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\4808001019\Design\CADD_Files\Sheet_Files\SHT_48080483Z10_W02.dgn

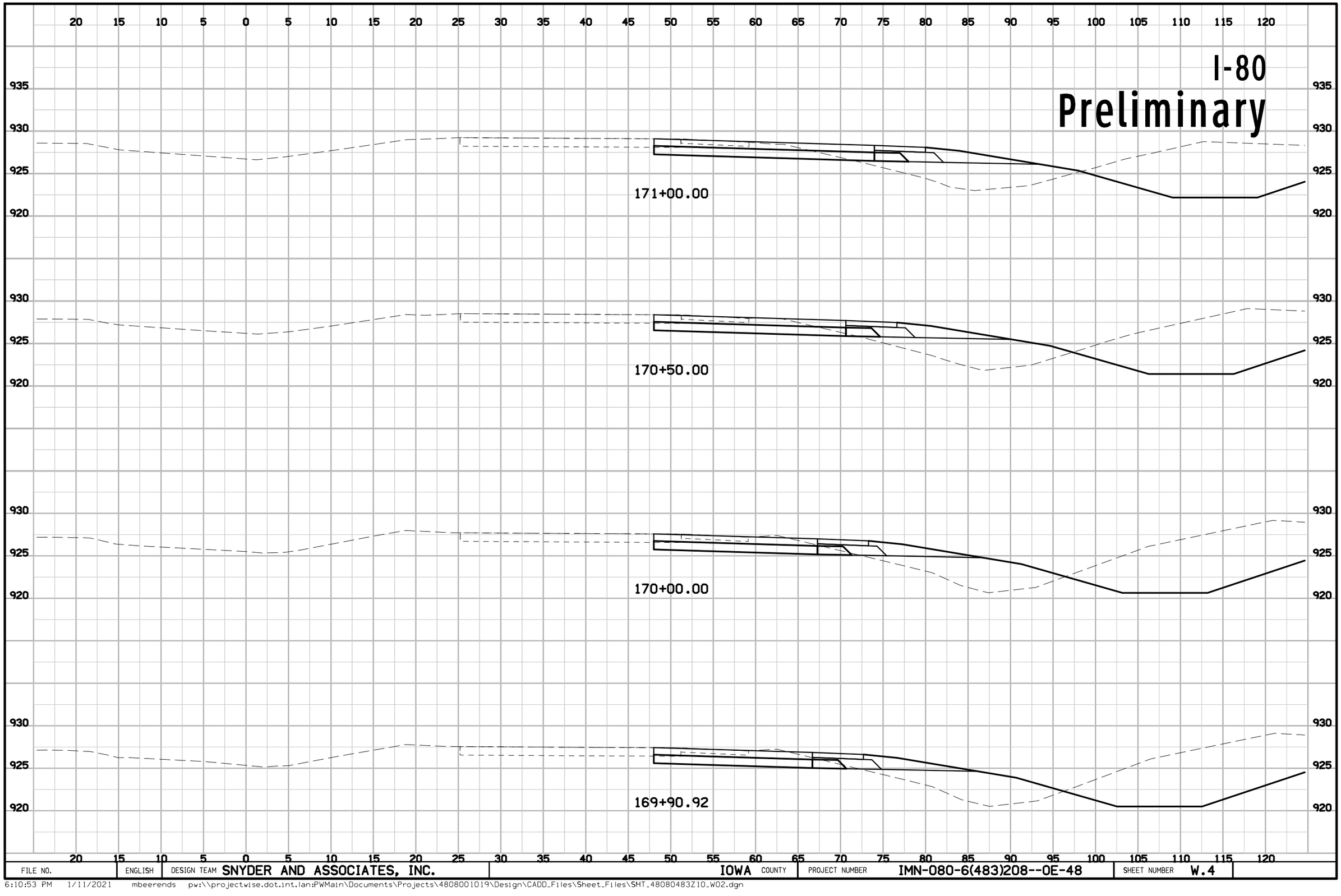
I-80
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER W.3

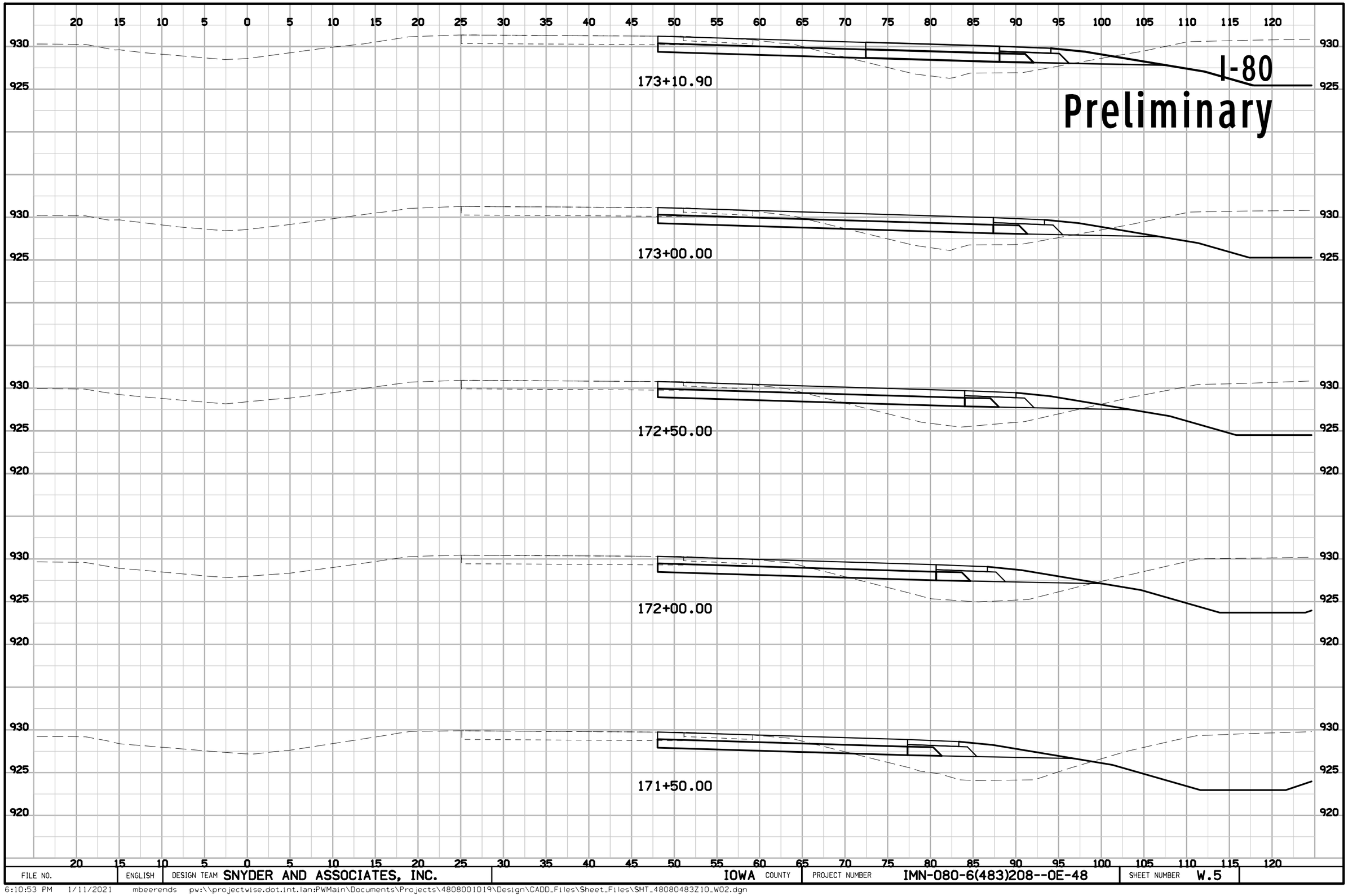
6:10:52 PM 1/11/2021 mbeerends pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\4808001019\Design\CADD_Files\Sheet_Files\SHT_48080483Z10_W02.dgn

I-80
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER W.4

6:10:53 PM 1/11/2021 mbeerends pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\4808001019\Design\CADD_Files\Sheet_Files\SHT_48080483Z10_W02.dgn



FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER W.5

6:10:53 PM 1/11/2021 mbeerends pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\4808001019\Design\CADD_Files\Sheet_Files\SHT_48080483Z10_W02.dgn

20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120

I-80

Preliminary

930
925

175+50.00

930
925

175+00.00

930
925

174+50.00

930
925

174+00.00

930
925

173+50.00

930
925

20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120

FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER W.6

6:10:54 PM 1/11/2021 mbeerends pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\4808001019\Design\CADD_Files\Sheet_Files\SHT_4808048310_W02.dgn

20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120

I-80

Preliminary

930
925

178+00.00

177+50.00

177+00.00

176+50.00

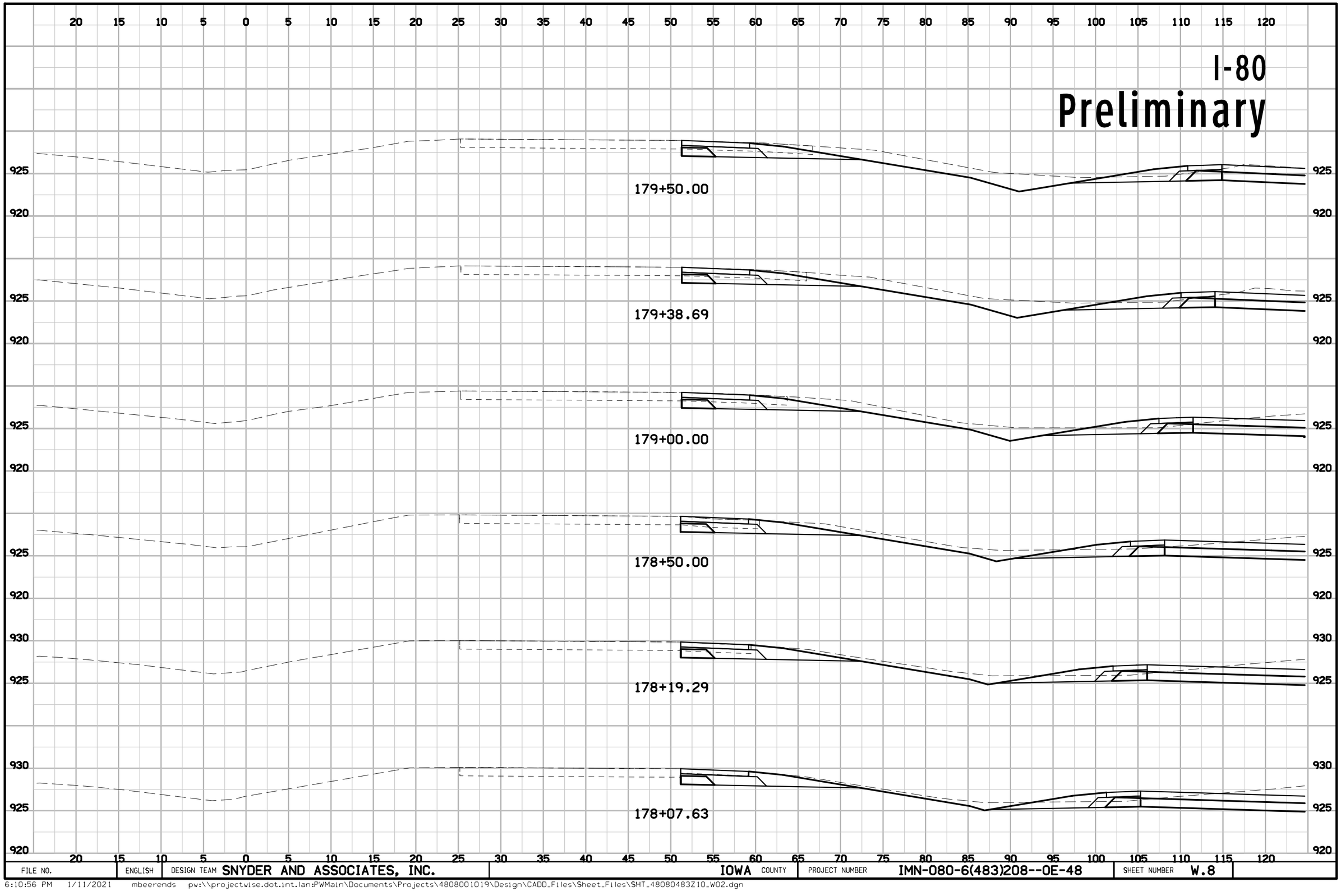
176+00.00

FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER W.7

6:10:55 PM 1/11/2021 mbeerends pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\4808001019\Design\CADD_Files\Sheet_Files\SHT_4808048Z10_W02.dgn

I-80

Preliminary



FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER W.8

6:10:56 PM 1/11/2021 mbeerends pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\4808001019\Design\CADD_Files\Sheet_Files\SHT_48080483Z10_W02.dgn

20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120

I-80

Preliminary

925
920

181+50.00

181+00.00

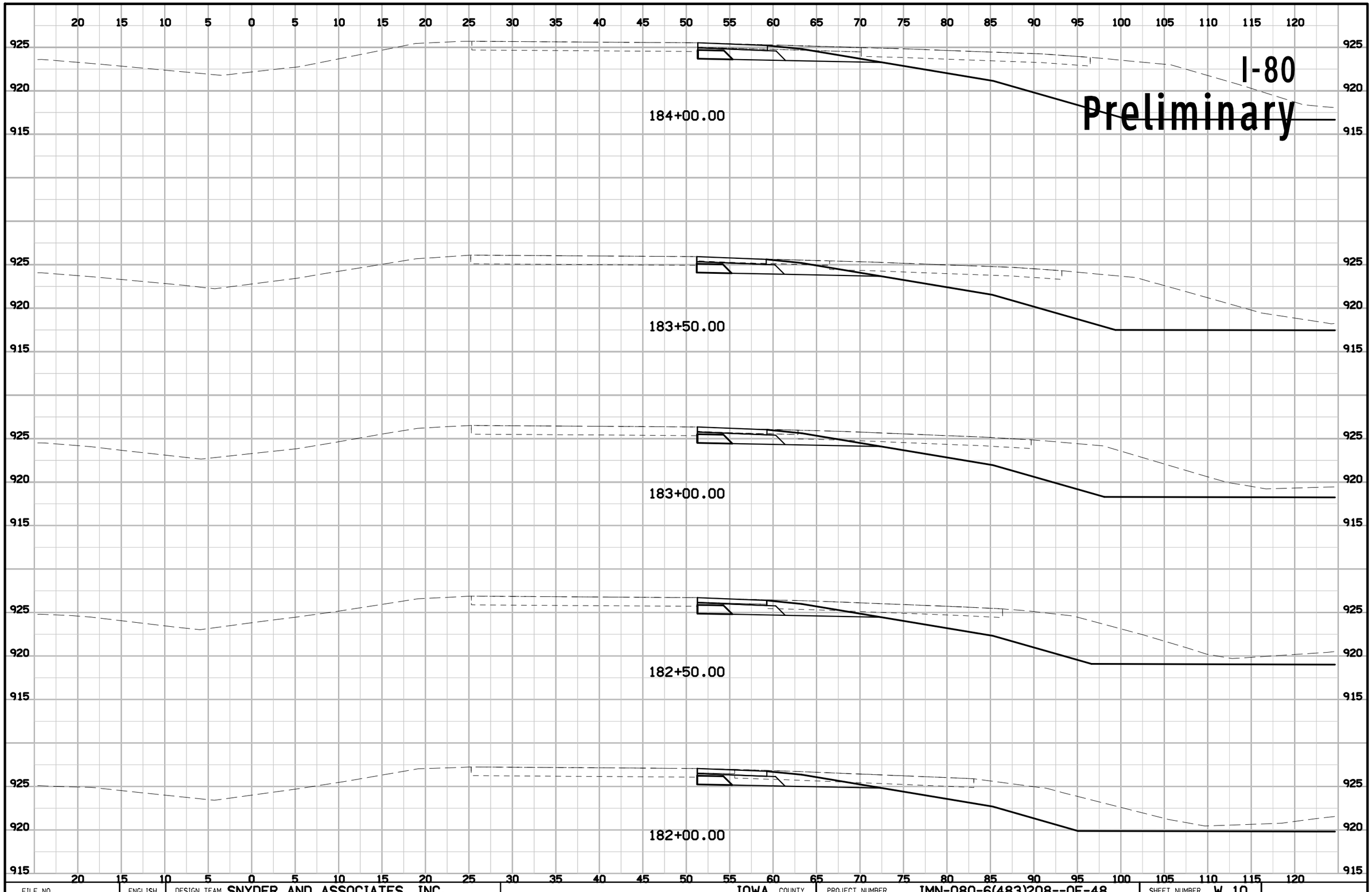
180+98.86

180+50.00

180+00.00

FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER W.9

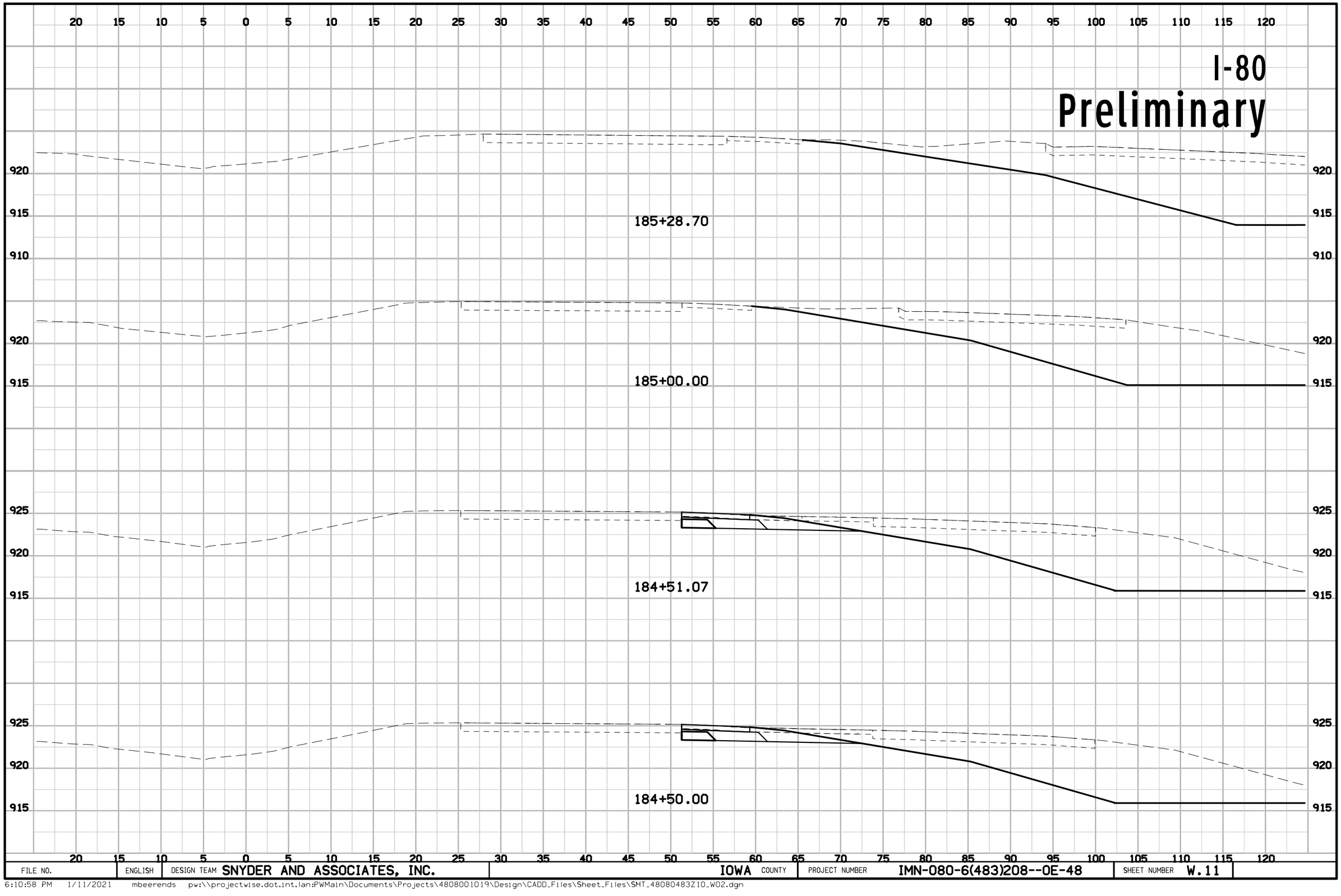
6:10:57 PM 1/11/2021 mbeerends pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\4808001019\Design\CADD_Files\Sheet_Files\SHT_4808048Z10_W02.dgn



FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER W.10

6:10:57 PM 1/11/2021 mbeerends pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\4808001019\Design\CADD_Files\Sheet_Files\SHT_48080483Z10_W02.dgn

I-80
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER W.11

6:10:58 PM 1/11/2021 mbeerends pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\4808001019\Design\CADD_Files\Sheet_Files\SHT_48080483Z10_W02.dgn

I-80

Preliminary

187+50.00

187+00.00

186+50.00

186+00.00

185+50.00

FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER W.12

6:10:59 PM 1/11/2021 mbeerends pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\4808001019\Design\CADD_Files\Sheet_Files\SHT_48080483Z10_W02.dgn

20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120

I-80

Preliminary

920
915

190+00.00

189+50.00

189+00.00

188+50.00

188+00.00

FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER W.13

6:11:00 PM 1/11/2021 mbeerends pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\4808001019\Design\CADD_Files\Sheet_Files\SHT_48080483Z10_W02.dgn

20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120

I-80

Preliminary

920
915

192+50.00

192+00.00

191+50.00

191+00.00

190+50.00

FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER W.14

6:11:01 PM 1/11/2021 mbeerends pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\4808001019\Design\CADD_Files\Sheet_Files\SHT_4808048Z10_W02.dgn

20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120

I-80

Preliminary

920 / 915

195+00.00

194+50.00

194+38.17

194+00.00

193+50.00

193+00.00

910

FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER W.15

6:11:01 PM 1/11/2021 mbeerends pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\4808001019\Design\CADD_Files\Sheet_Files\SHT_48080483Z10_W02.dgn

20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120

I-80

Preliminary

915
910

197+50.00

915
910

915
910

197+00.00

915
910

915
910

196+50.00

915
910

920
915

196+00.00

920
915

920
915

195+50.00

920
915

910

20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120

FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER W.16

6:11:02 PM 1/11/2021 mbeerends pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\4808001019\Design\CADD_Files\Sheet_Files\SHT_48080483Z10_W02.dgn

20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120

I-80

Preliminary

915
910
905

199+50.00

915
910
905

915
910
905

199+00.00

915
910
905

915
910
905

198+50.00

915
910
905

915
910
905

198+00.00

915
910
905

20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120

FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER W.17

6:11:03 PM 1/11/2021 mbeerends pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\4808001019\Design\CADD_Files\Sheet_Files\SHT_48080483Z10_W02.dgn

I-80

Preliminary

200+50.00

200+30.00

200+00.00

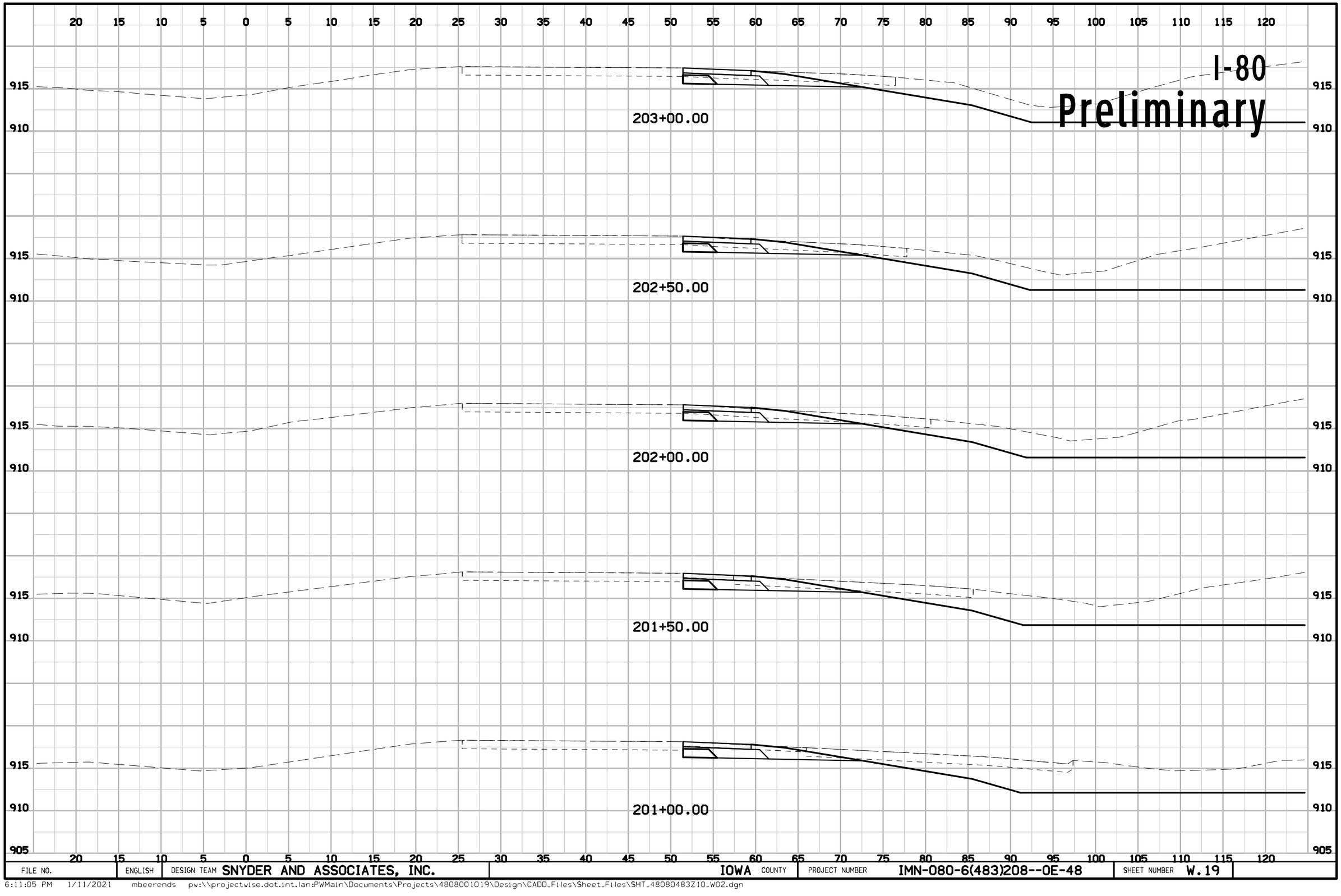
199+92.10

FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER W.18

6:11:04 PM 1/11/2021 mbeerends pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\4808001019\Design\CADD_Files\Sheet_Files\SHT_48080483Z10_W02.dgn

I-80

Preliminary



FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER W.19

6:11:05 PM 1/11/2021 mbeerends pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\4808001019\Design\CADD_Files\Sheet_Files\SHT_48080483Z10_W02.dgn

I-80

Preliminary

205+50.00

205+00.00

204+50.00

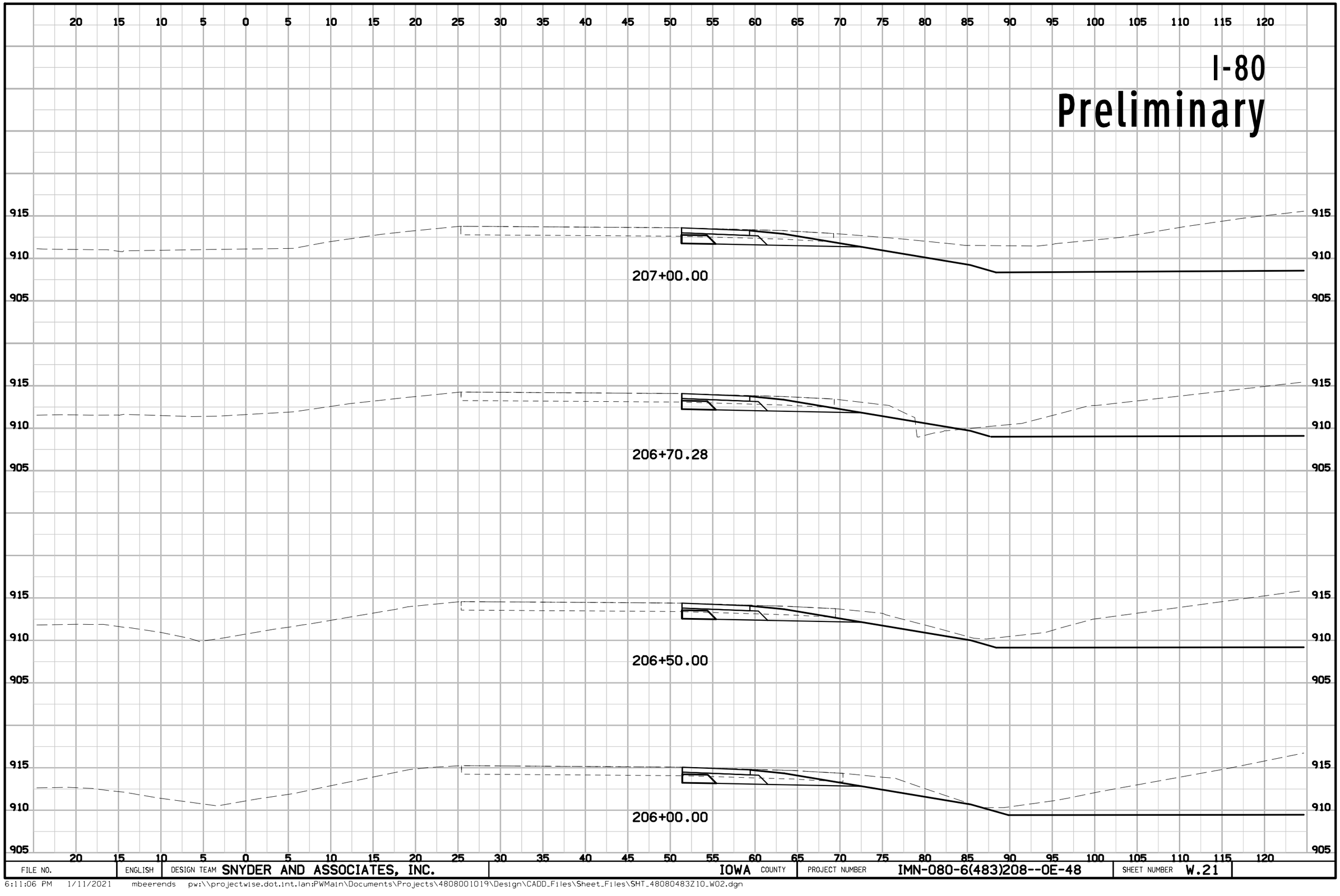
204+00.00

203+50.00

FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER W.20

6:11:06 PM 1/11/2021 mbeerends pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\4808001019\Design\CADD_Files\Sheet_Files\SHT_48080483Z10_W02.dgn

I-80
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER W.21

6:11:06 PM 1/11/2021 mbeerends pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\4808001019\Design\CADD_Files\Sheet_Files\SHT_4808048321O_W02.dgn

20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120

I-80
Preliminary

910
905
900

209+00.00

910
905

208+50.00

915
910
905

208+00.00

915
910
905

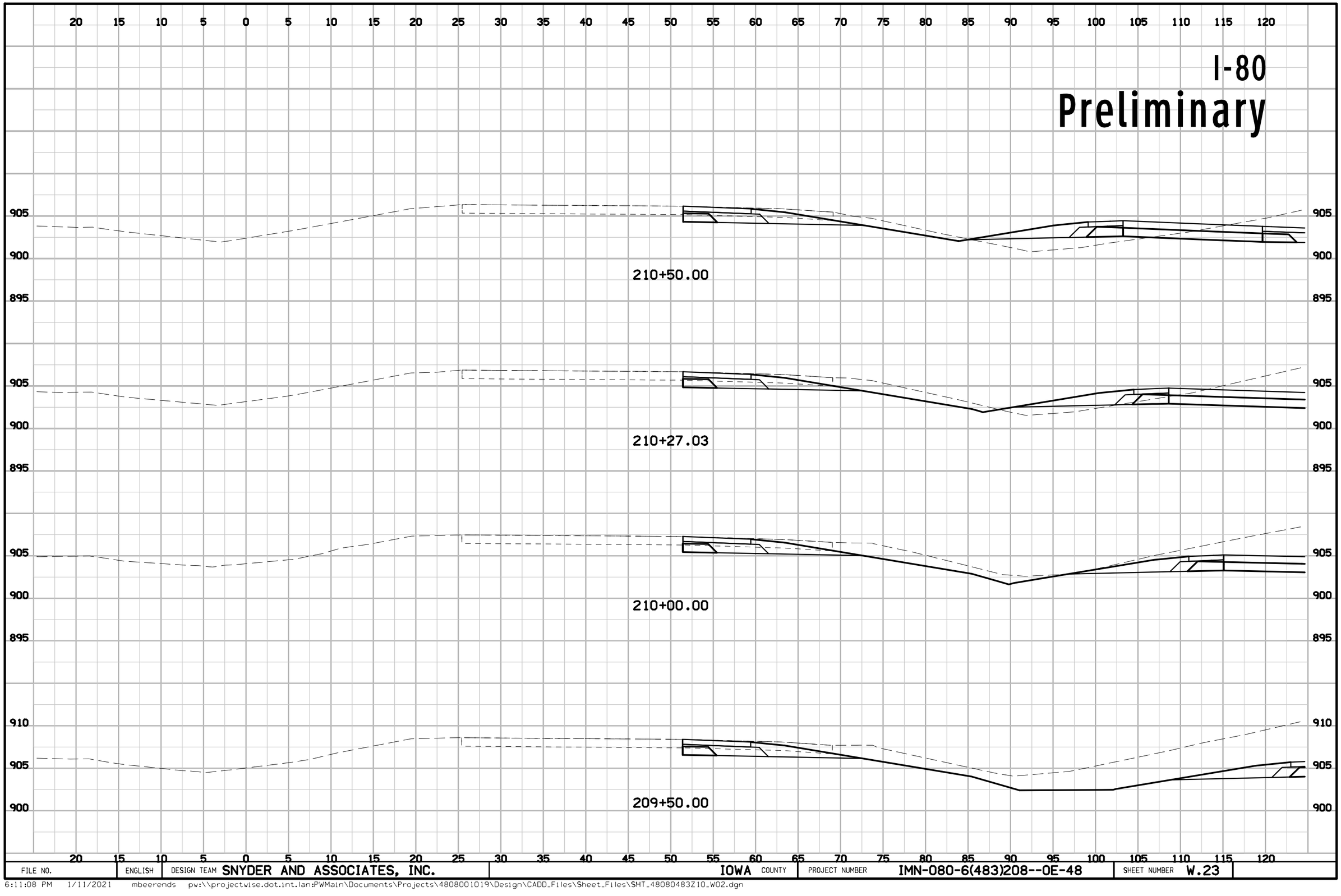
207+50.00

20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120

FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER W.22

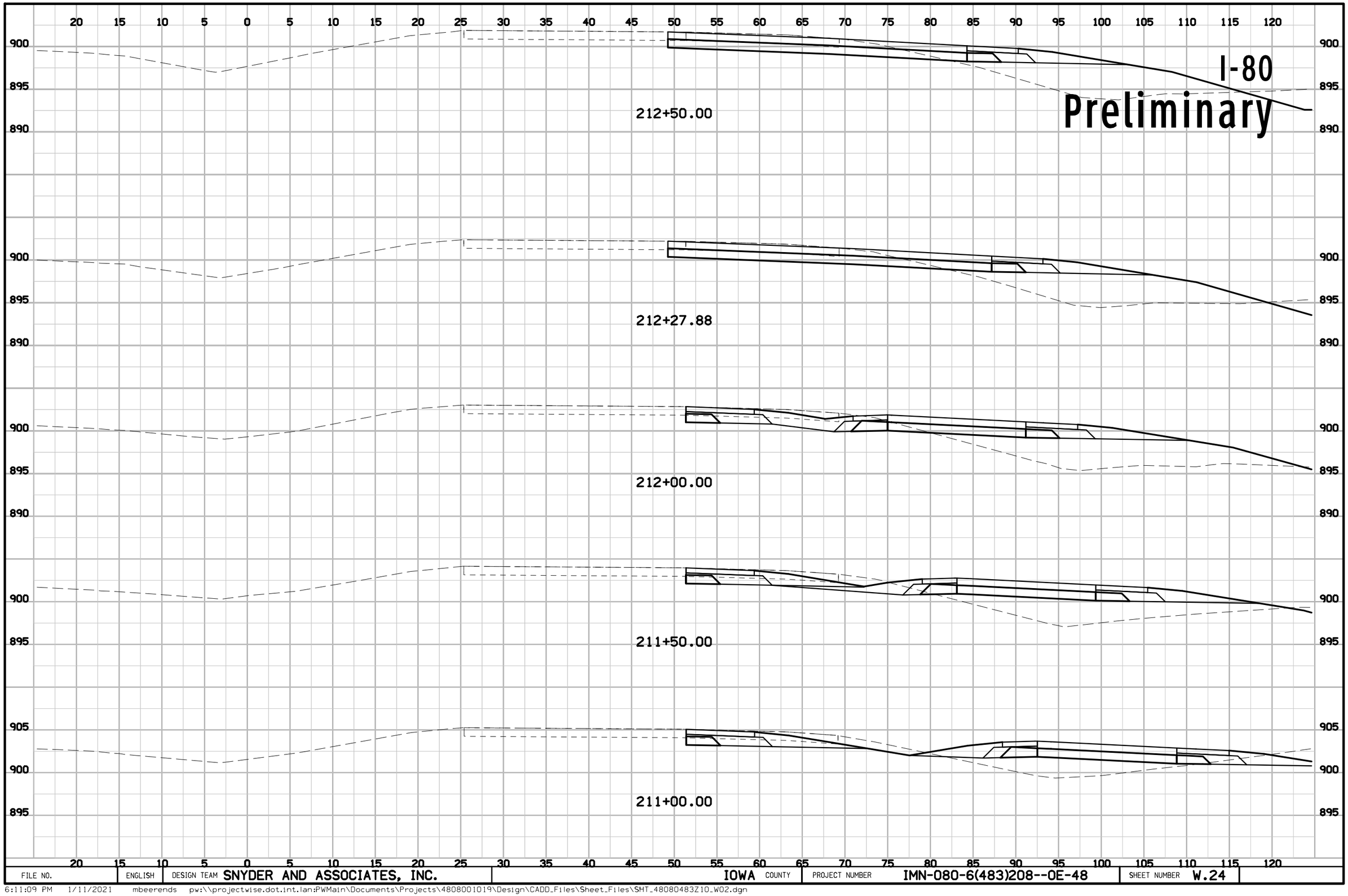
6:11:07 PM 1/11/2021 mbeerends pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\4808001019\Design\CADD_Files\Sheet_Files\SHT_48080483Z10_W02.dgn

I-80
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER W.23

6:11:08 PM 1/11/2021 mbeerends pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\4808001019\Design\CADD_Files\Sheet_Files\SHT_48080483Z10_W02.dgn



FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER W.24

6:11:09 PM 1/11/2021 mbeerends pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\4808001019\Design\CADD_Files\Sheet_Files\SHT_48080483Z10_W02.dgn

I-80

Preliminary

214+32.88

214+06.78

214+00.00

213+50.00

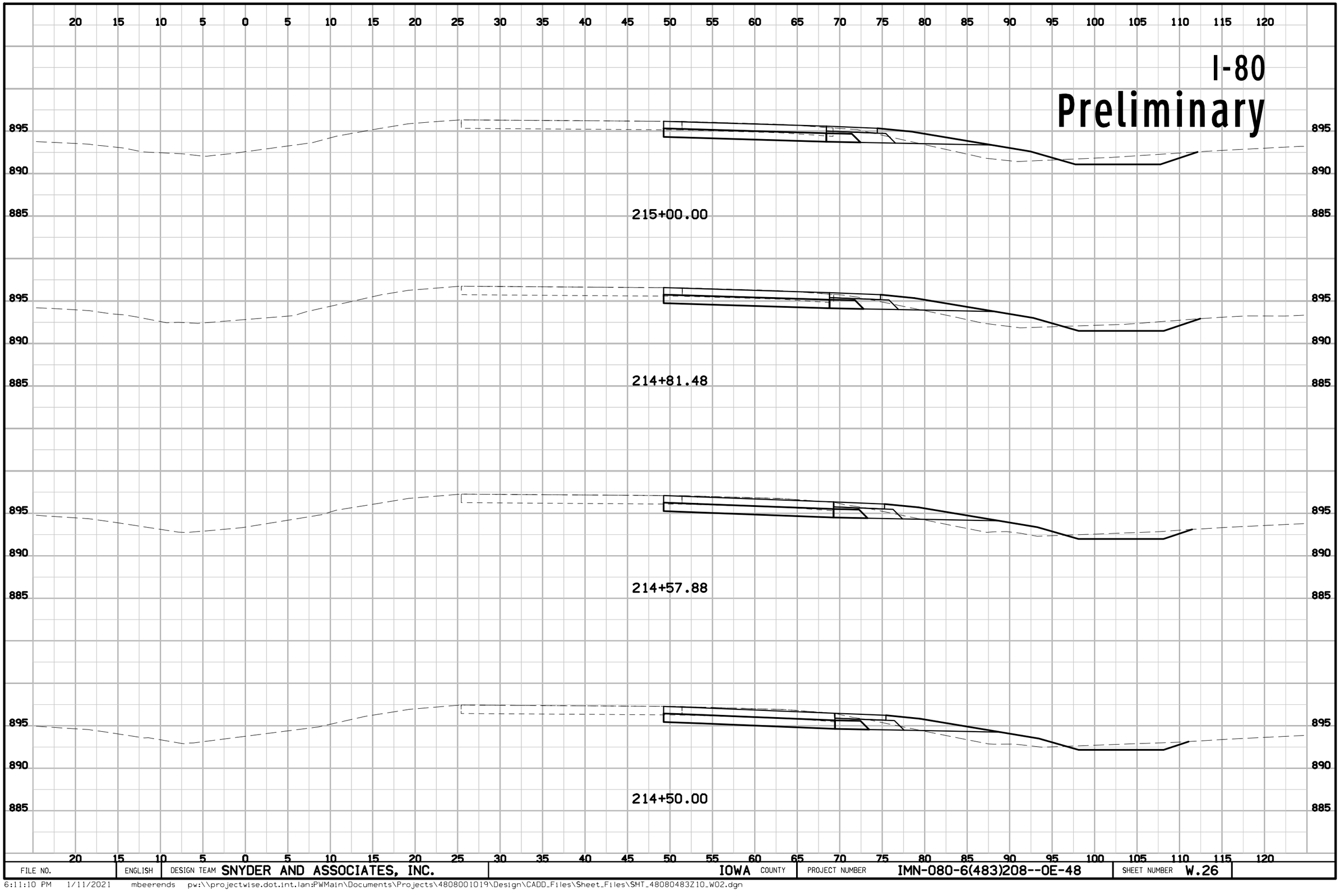
213+00.00

FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER W.25

6:11:10 PM 1/11/2021 mbeerends pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\4808001019\Design\CADD_Files\Sheet_Files\SHT_48080483Z10_W02.dgn

I-80

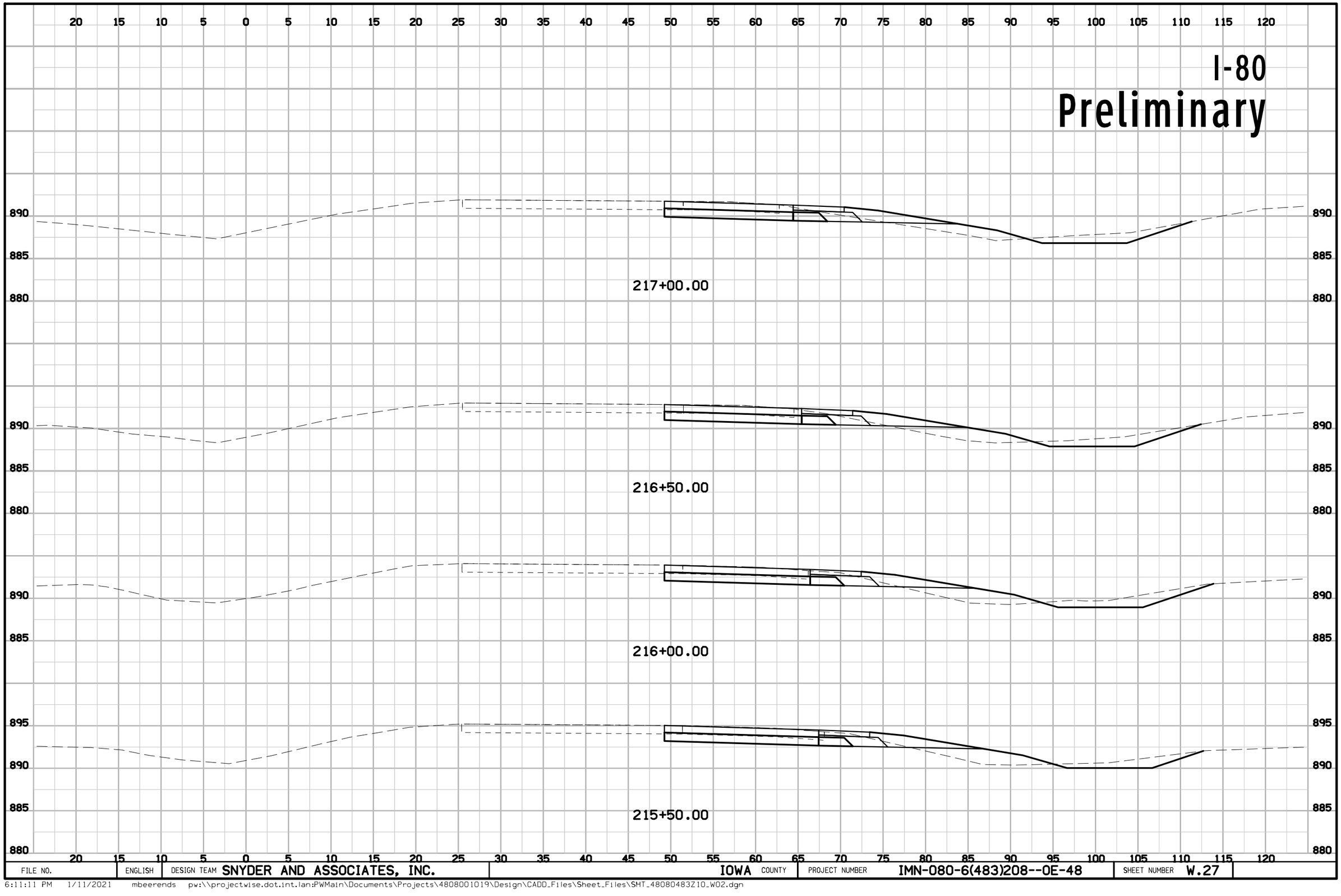
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER W.26

6:11:10 PM 1/11/2021 mbeerends pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\4808001019\Design\CADD_Files\Sheet_Files\SHT_48080483Z10_W02.dgn

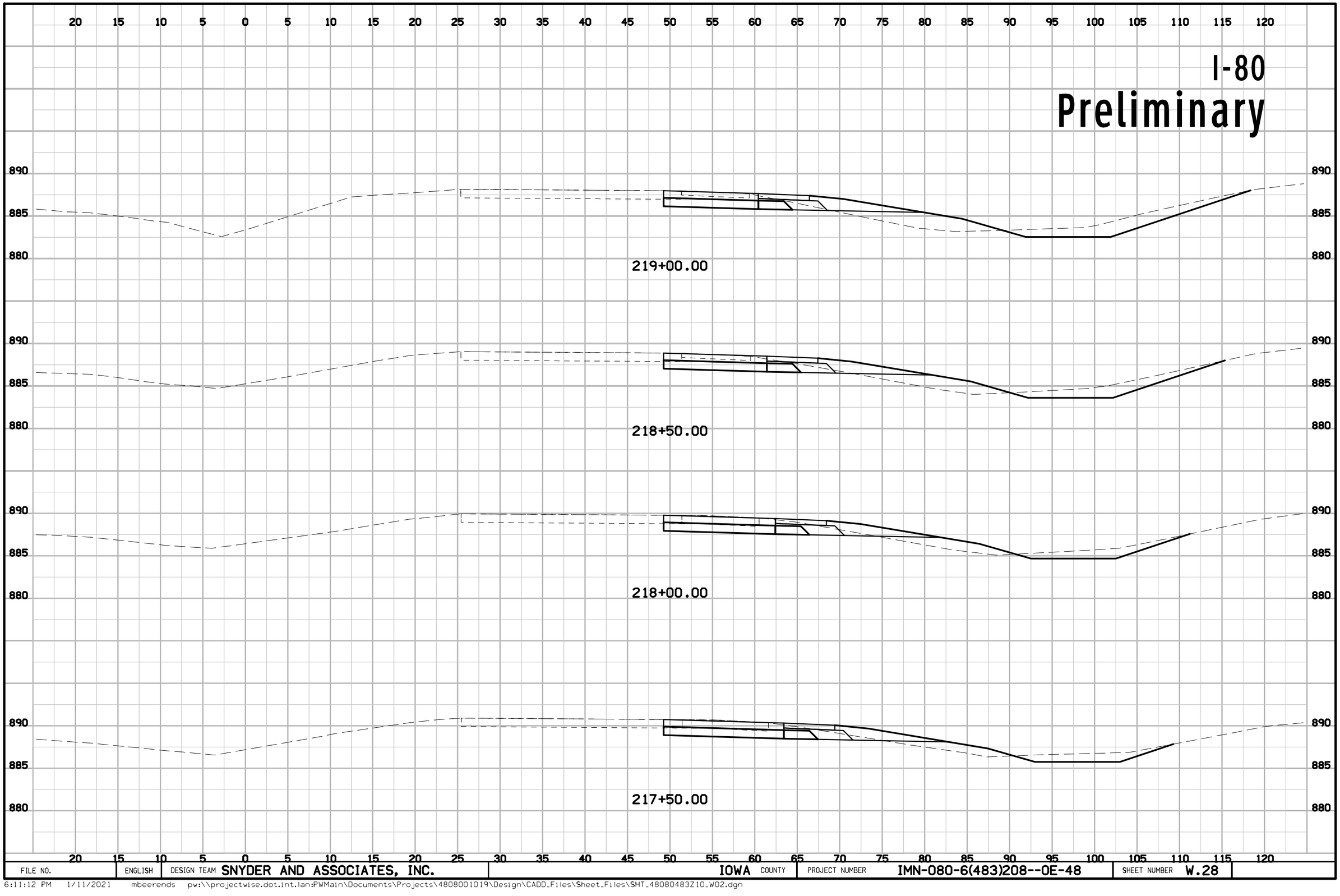
I-80
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER W.27

6:11:11 PM 1/11/2021 mbeerends pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\4808001019\Design\CADD_Files\Sheet_Files\SHT_48080483Z10_W02.dgn

I-80
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER W.28

6:11:12 PM 1/11/2021 mbeerends pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\4808001019\Design\CADD_Files\Sheet_Files\SHT_48080483Z10_W02.dgn

I-80

Preliminary

20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120

885
880

221+50.00

885
880
875

221+00.00

885
880
875

220+50.00

885
880
875

220+00.00

885
880
875

219+50.00

885
880
875

20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120

FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER W.29

6:11:13 PM 1/11/2021 mbeerends pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\4808001019\Design\CADD_Files\Sheet_Files\SHT_4808048310_W02.dgn

I-80

Preliminary

20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120

880
875

224+00.00

880
875

223+50.00

880
875

223+00.00

880
875

222+50.00

880
875

222+00.00

880
875

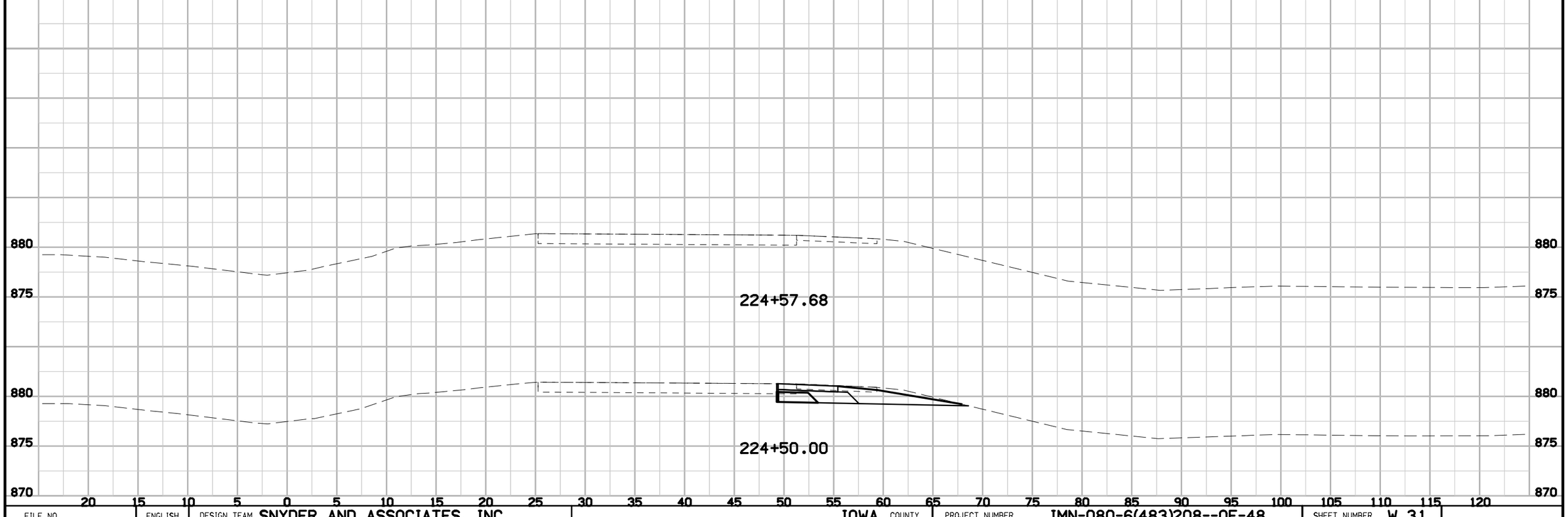
20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120

FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER W.30

6:11:14 PM 1/11/2021 mbeerends pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\4808001019\Design\CADD_Files\Sheet_Files\SHT_48080483Z10_W02.dgn

I-80

Preliminary



FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER W.31

6:11:14 PM 1/11/2021 mbeerends pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\4808001019\Design\CADD_Files\Sheet_Files\SHT_48080483Z10_W02.dgn

I-80 I-80 Ramp E

Preliminary

70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

930

2176+00.00

2175+50.00

2175+00.00

2174+50.00

2174+00.00

2173+61.59

2173+50.00

2173+11.60

FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER Y.1

6:11:34 PM 1/11/2021 mbeerends pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\4808001019\Design\CADD_Files\Sheet_Files\SHT_48080483Z10_Y01.dgn

I-80 Ramp E

Preliminary

70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

925

2178+50.00

925

925

2178+21.09

925

930

925

2178+00.00

930

925

930

925

2177+50.00

930

930

2177+00.00

930

930

2176+50.00

930

930

2176+43.33

930

70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER Y.2

6:11:35 PM 1/11/2021 mbeerends pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\4808001019\Design\CADD_Files\Sheet_Files\SHT_48080483Z10_YO1.dgn

I-80 Ramp E

Preliminary

70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

925

2179+96.56

925

925

2179+50.00

925

925

2179+40.76

925

925

2179+34.56

925

925

2179+03.56

925

925

2179+00.00

925

70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER Y.3

6:11:35 PM 1/11/2021 mbeerends pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\4808001019\Design\CADD_Files\Sheet_Files\SHT_48080483Z10_Y01.dgn

I-80 Ramp E

Preliminary

70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

925
920

2181+00.00

2180+75.24

2180+70.44

2180+50.00

2180+27.24

2180+00.00

FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER Y.4

6:11:36 PM 1/11/2021 mbeerends pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\4808001019\Design\CADD_Files\Sheet_Files\SHT_48080483Z10_Y01.dgn

I-80 Ramp E

Preliminary

70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

925
920

2182+50.00

2182+38.44

2182+00.00

2181+71.24

2181+50.00

FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER Y.5

6:11:37 PM 1/11/2021 mbeerends pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\4808001019\Design\CADD_Files\Sheet_Files\SHT_48080483Z10_Y01.dgn

I-80 Ramp E

Preliminary

70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

925
920

2184+00.00

2183+89.39

2183+50.00

2183+00.00

2182+67.24

FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER Y.6

6:11:37 PM 1/11/2021 mbeerends pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\4808001019\Design\CADD_Files\Sheet_Files\SHT_48080483Z10_Y01.dgn

I-80 Ramp E

Preliminary

70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

920
915

2185+00.00

920
915

920
915

2184+91.80

920
915

920
915

2184+90.13

920
915

925
920
915

2184+61.33

925
920
915

925
920

2184+50.00

925
920

70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER Y.7

6:11:38 PM 1/11/2021 mbeerends pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\48080010I9\Design\CADD_Files\Sheet_Files\SHT_48080483Z10_YO1.dgn

I-80 Ramp E

Preliminary

70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

920
915

2187+21.32

2187+00.00

2186+50.00

2186+45.82

2186+00.00

2185+50.00

FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER Y.8

6:11:39 PM 1/11/2021 mbeerends pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\4808001019\Design\CADD_Files\Sheet_Files\SHT_48080483Z10_Y01.dgn

I-80 Ramp E

Preliminary

70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

925
920

2190+00.00

920

2189+50.00

920

2189+00.00

920
915

2188+50.00

920
915

2188+00.00

920
915

2187+50.00

FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER Y.9

6:11:39 PM 1/11/2021 mbeerends pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\4808001019\Design\CADD_Files\Sheet_Files\SHT_48080483Z10_Y01.dgn

I-80 Ramp E

Preliminary

70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

920

2193+00.00

2192+50.00

2192+00.00

2191+50.00

2191+00.00

2190+50.00

FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER Y.10

6:11:40 PM 1/11/2021 mbeerends pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\4808001019\Design\CADD_Files\Sheet_Files\SHT_48080483Z10_Y01.dgn

I-80 Ramp E

Preliminary

70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

925
920

2195+50.00

925
920
915

2195+00.00

925
920
915

2194+50.00

920
915

2194+00.00

920

2193+50.00

70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER Y.11

6:11:41 PM 1/11/2021 mbeerends pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\4808001019\Design\CADD_Files\Sheet_Files\SHT_48080483Z10_Y01.dgn

I-80 Ramp E

Preliminary

70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

920
915

2198+00.00

920

2197+50.00

920

2197+00.00

920

2196+50.00

925
920

2196+00.00

925
920

2195+99.50

70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER Y.12

6:11:41 PM 1/11/2021 mbeerends pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\4808001019\Design\CADD_Files\Sheet_Files\SHT_48080483Z10_Y01.dgn

I-80 Ramp E

Preliminary

70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

920
915

2200+00.00

2199+91.95

2199+50.00

2199+00.00

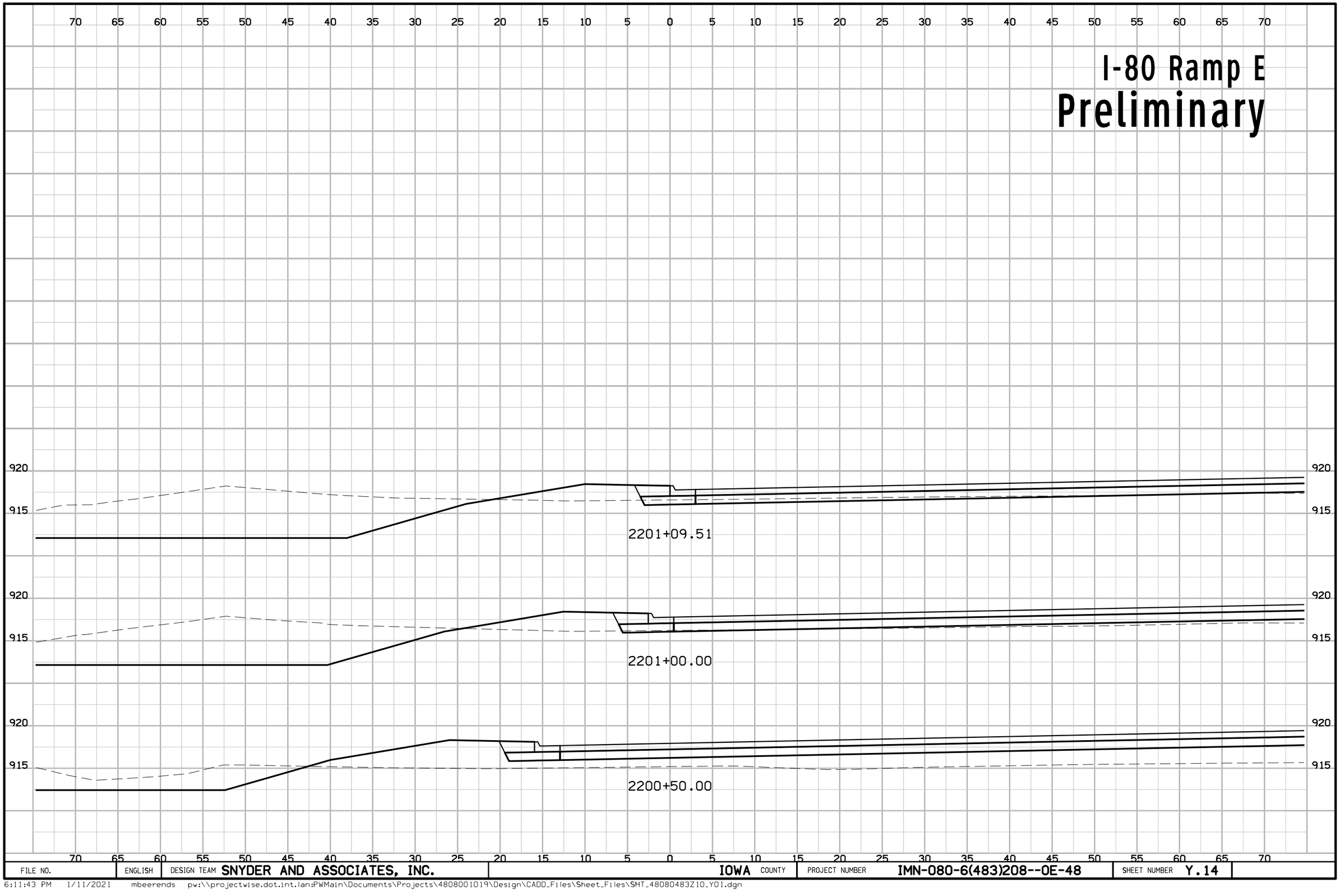
2198+50.00

FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER Y.13

6:11:42 PM 1/11/2021 mbeerends pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\48080010I9\Design\CADD_Files\Sheet_Files\SHT_48080483Z10_Y01.dgn

I-80 Ramp E

Preliminary



FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER Y.14

6:11:43 PM 1/11/2021 mbeerends pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\4808001019\Design\CADD_Files\Sheet_Files\SHT_48080483Z10_Y01.dgn

I-80 Ramp F

Preliminary

70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

925
920

4189+50.00

925
920

925
920

4189+00.00

925
920

925
920
915

4188+50.00

925
920
915

920
915

4188+00.00

920
915

920
915

4187+77.51

920
915

70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER Y.15

6:12:02 PM 1/11/2021 mbeerends pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\4808001019\Design\CADD_Files\Sheet_Files\SHT_48080483Z10_Y02.dgn

I-80 Ramp F

Preliminary

70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

925
920

4192+00.00

4191+50.00

4191+00.00

4190+50.00

4190+00.00

4189+81.00

FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER Y.16

6:12:03 PM 1/11/2021 mbeerends pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\4808001019\Design\CADD_Files\Sheet_Files\SHT_48080483Z10_Y02.dgn

I-80 Ramp F

Preliminary

70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

925
920

4195+00.00

4194+50.00

4194+00.00

4193+50.00

4193+00.00

4192+50.00

FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER Y.17

6:12:03 PM 1/11/2021 mbeerends pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\4808001019\Design\CADD_Files\Sheet_Files\SHT_48080483Z10_Y02.dgn

I-80 Ramp F

Preliminary

70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

925
920

4197+00.00

4196+50.00

4196+00.00

4195+72.54

4195+50.00

FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER Y.18

6:12:04 PM 1/11/2021 mbeerends pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\4808001019\Design\CADD_Files\Sheet_Files\SHT_48080483Z10_Y02.dgn

I-80 Ramp F

Preliminary

70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

920 915

4199+50.00

920

4199+00.00

920

4198+50.00

920

4198+00.00

920

4197+79.21

920

4197+50.00

920

70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER Y.19

6:12:05 PM 1/11/2021 mbeerends pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\4808001019\Design\CADD_Files\Sheet_Files\SHT_48080483Z10_Y02.dgn

I-80 Ramp F

Preliminary

70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

920
915

4201+50.00

4201+00.00

4200+50.00

4200+47.22

4200+00.00

4199+65.00

FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER Y.20

6:12:05 PM 1/11/2021 mbeerends pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\4808001019\Design\CADD_Files\Sheet_Files\SHT_48080483Z10_Y02.dgn

I-80 Ramp F

Preliminary

70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

920
915

4203+17.21

4203+00.00

4202+88.21

4202+69.21

4202+50.00

4202+00.00

FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER Y.21

6:12:06 PM 1/11/2021 mbeerends pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\4808001019\Design\CADD_Files\Sheet_Files\SHT_48080483Z10_Y02.dgn

I-80 Ramp F

Preliminary

70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

915
910

4205+25.20

915
910

915
910

4205+00.00

915
910

915

4204+50.00

915

920
915

4204+00.00

920
915

920
915

4203+50.00

920
915

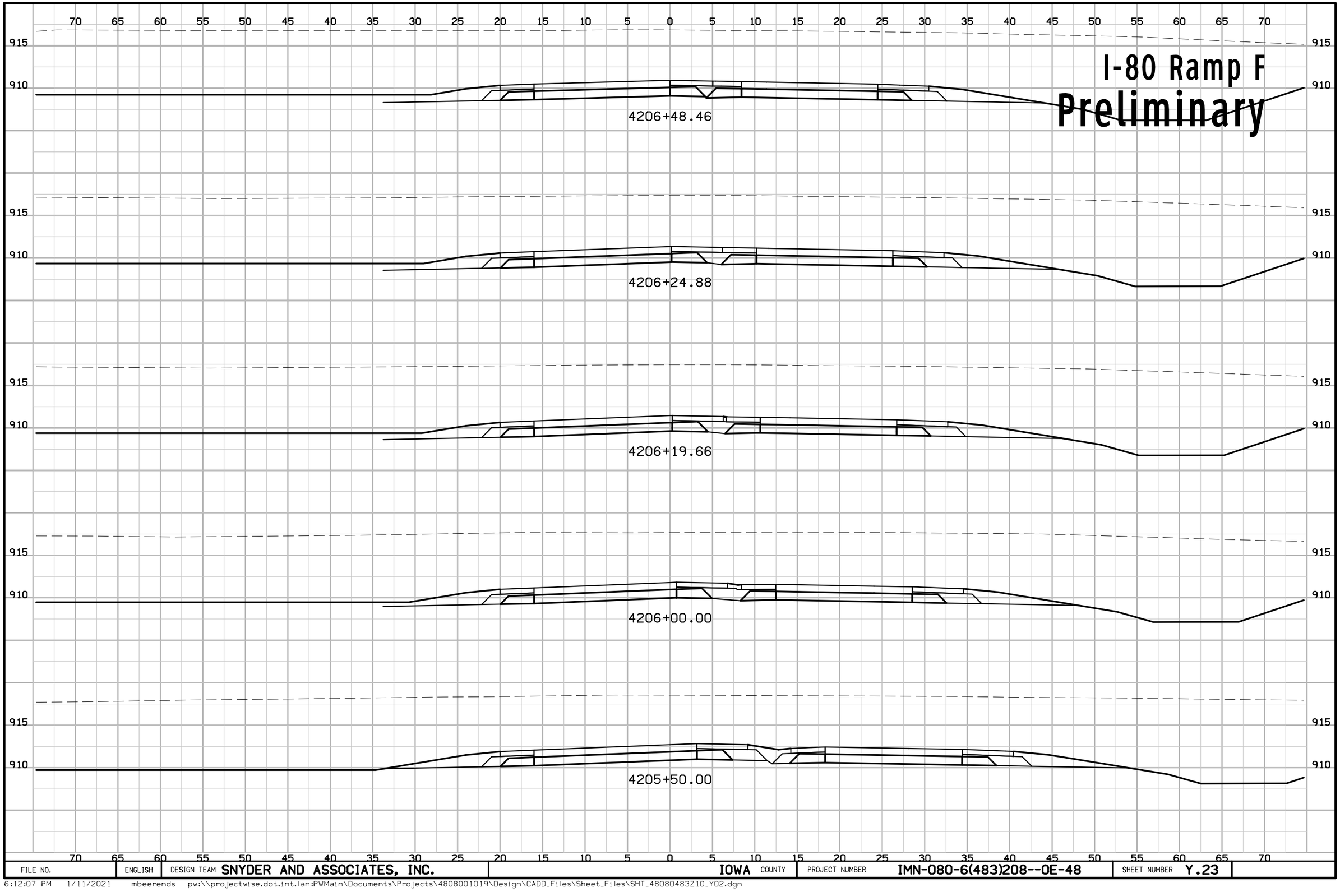
70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER Y.22

6:12:07 PM 1/11/2021 mbeerends pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\4808001019\Design\CADD_Files\Sheet_Files\SHT_4808048321O_Y02.dgn

I-80 Ramp F

Preliminary



FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER Y.23

6:12:07 PM 1/11/2021 mbeerends pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\4808001019\Design\CADD_Files\Sheet_Files\SHT_48080483Z10_Y02.dgn

I-80 Ramp F

Preliminary

70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

915
910
905

4207+63.66

4207+50.00

4207+15.66

4207+00.00

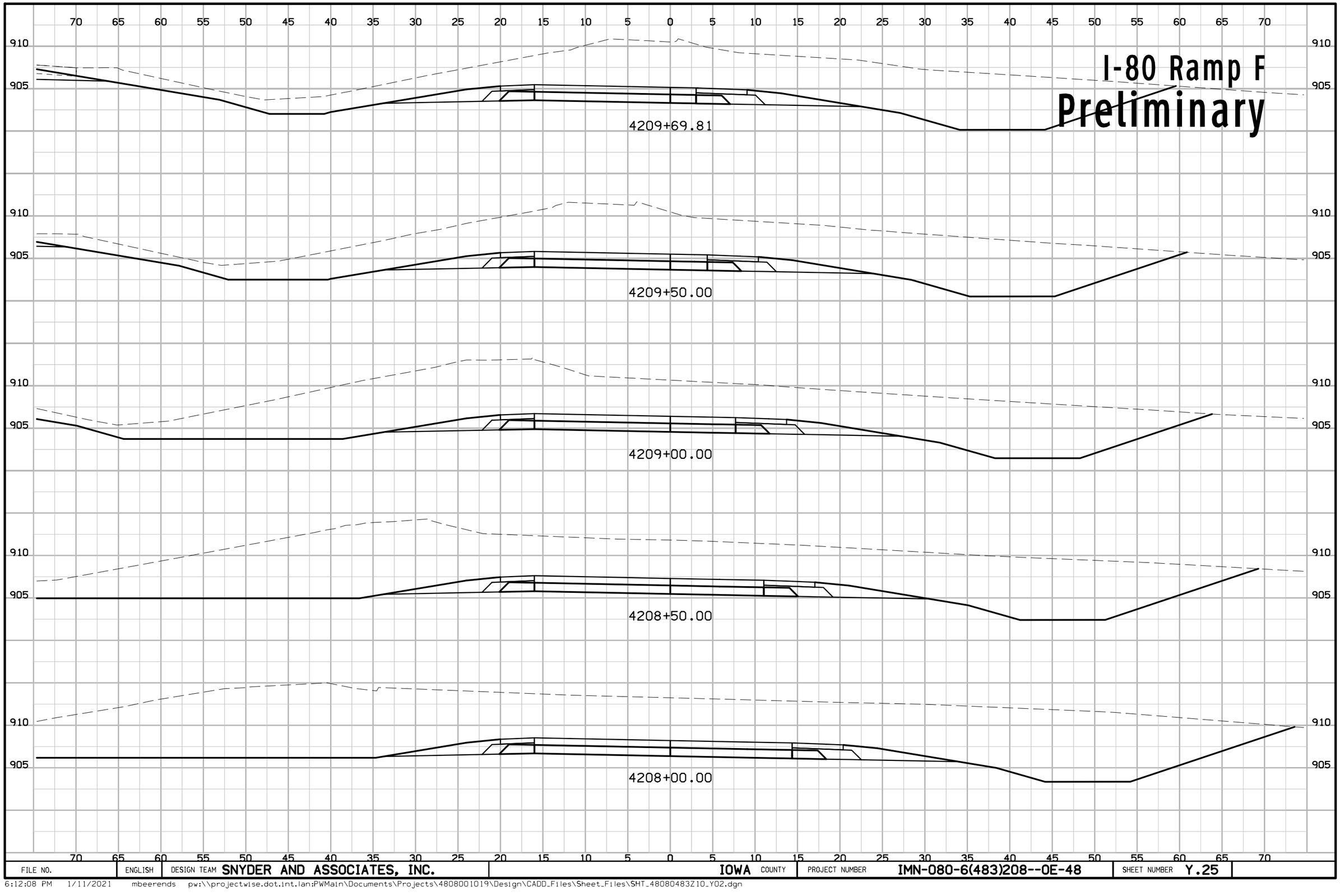
4206+50.00

FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER Y.24

6:12:08 PM 1/11/2021 mbeerends pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\48080010I9\Design\CADD_Files\Sheet_Files\SHT_48080483Z10_Y02.dgn

I-80 Ramp F

Preliminary



FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER Y.25

6:12:08 PM 1/11/2021 mbeerends pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\4808001019\Design\CADD_Files\Sheet_Files\SHT_48080483Z10_Y02.dgn

I-80 Ramp F

Preliminary

70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

905
900

4211+00.00

4210+75.81

4210+50.00

4210+25.41

4210+00.00

910
905
900

4209+91.00

FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER Y.26

6:12:09 PM 1/11/2021 mbeerends pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\4808001019\Design\CADD_Files\Sheet_Files\SHT_4808048321O_Y02.dgn

I-80 Ramp F

Preliminary

70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

900
895

4212+27.77

900
895

900
895

4212+00.00

900
895

900
895

4211+78.44

900
895

900

4211+50.00

900

70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER Y.27

6:12:10 PM 1/11/2021 mbeerends pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\4808001019\Design\CADD_Files\Sheet_Files\SHT_48080483Z10_Y02.dgn

I-80 Ramp G

Preliminary

70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

925

3179+58.85

925

925

3179+50.00

925

925

3179+03.05

925

925

3179+00.00

925

925

3178+96.85

925

925

3178+86.70

925

70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER Y.28

6:12:37 PM 1/11/2021 mbeerends pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\4808001019\Design\CADD_Files\Sheet_Files\SHT_48080483Z10_Y03.dgn

I-80 Ramp G

Preliminary

70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

925
920

3182+50.00

3182+00.00

3181+50.00

3181+00.00

3180+50.00

3180+00.00

FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER Y.29

6:12:38 PM 1/11/2021 mbeerends pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\4808001019\Design\CADD_Files\Sheet_Files\SHT_48080483Z10_Y03.dgn

I-80 Ramp G

Preliminary

70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

925
920

3183+67.78

925
920

925
920

3183+50.00

925
920

925
920

3183+00.00

925
920

925
920

3182+70.00

70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER Y.30

6:12:38 PM 1/11/2021 mbeerends pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\4808001019\Design\CADD_Files\Sheet_Files\SHT_48080483Z10_Y03.dgn

I-80 Ramp G

Preliminary

70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

925
920

3184+50.00

925
920

925
920

3184+15.78

925
920

925
920

3184+10.98

925
920

925
920

3184+00.00

925
920

70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER Y.31

6:12:39 PM 1/11/2021 mbeerends pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\4808001019\Design\CADD_Files\Sheet_Files\SHT_48080483Z10_Y03.dgn

I-80 Ramp G

Preliminary

70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

925
920

3186+07.77

925
920

3186+00.00

925
920

3185+50.00

925
920

3185+11.78

925
920

3185+00.00

FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER Y.32

6:12:39 PM 1/11/2021 mbeerends pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\4808001019\Design\CADD_Files\Sheet_Files\SHT_48080483Z10_Y03.dgn

I-80 Ramp G

Preliminary

70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

925 920

3187+50.00

925 920

3187+00.00

925 920

3186+55.77

925 920

3186+50.00

925 920

3186+12.57

925 920

70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER Y.33

6:12:40 PM 1/11/2021 mbeerends pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\4808001019\Design\CADD_Files\Sheet_Files\SHT_48080483Z10_Y03.dgn

I-80 Ramp G

Preliminary

70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

925
920

3188+67.21

3188+62.41

3188+50.00

3188+19.21

3188+00.00

3187+54.00

FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER Y.34

6:12:41 PM 1/11/2021 mbeerends pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\48080010I9\Design\CADD_Files\Sheet_Files\SHT_48080483Z10_Y03.dgn

I-80 Ramp G

Preliminary

70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

925
920

3190+11.21

3190+00.00

3189+73.24

3189+65.06

3189+50.00

3189+00.00

FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER Y.35

6:12:41 PM 1/11/2021 mbeerends pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\4808001019\Design\CADD_Files\Sheet_Files\SHT_48080483Z10_Y03.dgn

I-80 Ramp G

Preliminary

70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

925
920

3193+00.00

3192+50.00

3192+00.00

3191+50.00

3191+00.00

3190+50.00

FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER Y.36

6:12:42 PM 1/11/2021 mbeerends pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\4808001019\Design\CADD_Files\Sheet_Files\SHT_48080483Z10_Y03.dgn

I-80 Ramp G

Preliminary

70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

925
920

3195+05.45

3195+00.00

3194+95.44

3194+50.00

3194+00.00

3193+50.00

FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER Y.37

6:12:43 PM 1/11/2021 mbeerends pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\4808001019\Design\CADD_Files\Sheet_Files\SHT_48080483Z10_Y03.dgn

I-80 Ramp G

Preliminary

FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER Y.38

6:12:43 PM 1/11/2021 mbeerends pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\4808001019\Design\CADD_Files\Sheet_Files\SHT_48080483Z10_Y03.dgn

I-80 I-80 Ramp H
Preliminary

70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

925
920

3197+00.00

925
920

3196+50.00

925
920

3196+00.00

925
920

3195+50.00

925

3195+18.71

FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER Y.39

6:13:01 PM 1/11/2021 mbeerends pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\4808001019\Design\CADD_Files\Sheet_Files\SHT_48080483Z10_Y04.dgn

I-80 Ramp H

Preliminary

70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

925
920

3198+48.15

3198+00.00

3197+64.15

3197+50.00

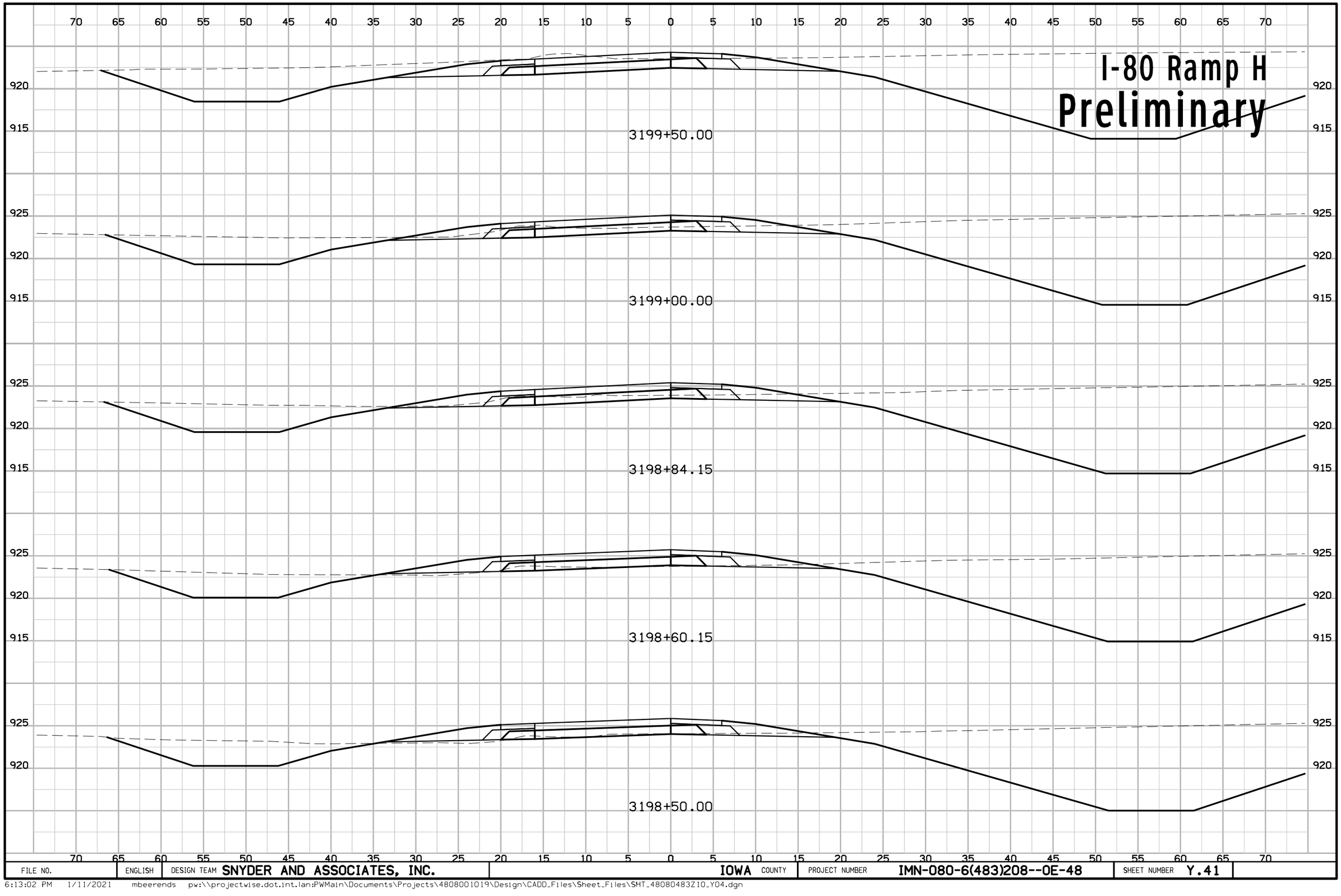
3197+16.15

FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER Y.40

6:13:02 PM 1/11/2021 mbeerends pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\4808001019\Design\CADD_Files\Sheet_Files\SHT_48080483Z10_Y04.dgn

I-80 Ramp H

Preliminary



FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER Y.41

6:13:02 PM 1/11/2021 mbeerends pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\4808001019\Design\CADD_Files\Sheet_Files\SHT_48080483Z10_Y04.dgn

I-80 Ramp H

Preliminary

70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

920
915

3201+50.00

3201+38.37

3201+14.37

3201+00.00

3200+50.00

3200+00.00

FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER Y.42

6:13:03 PM 1/11/2021 mbeerends pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\4808001019\Design\CADD_Files\Sheet_Files\SHT_48080483Z10_Y04.dgn

I-80 Ramp H

Preliminary

70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

920
915

3202+82.37

3202+50.00

3202+34.37

3202+00.00

3201+68.00

3201+50.37

FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER Y.43

6:13:04 PM 1/11/2021 mbeerends pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\4808001019\Design\CADD_Files\Sheet_Files\SHT_48080483Z10_Y04.dgn

I-80 Ramp H

Preliminary

70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

920
915

3205+50.00

920
915

3205+00.00

920
915

3204+50.00

920
915

3204+00.00

920
915

3203+50.00

920
915

3203+00.00

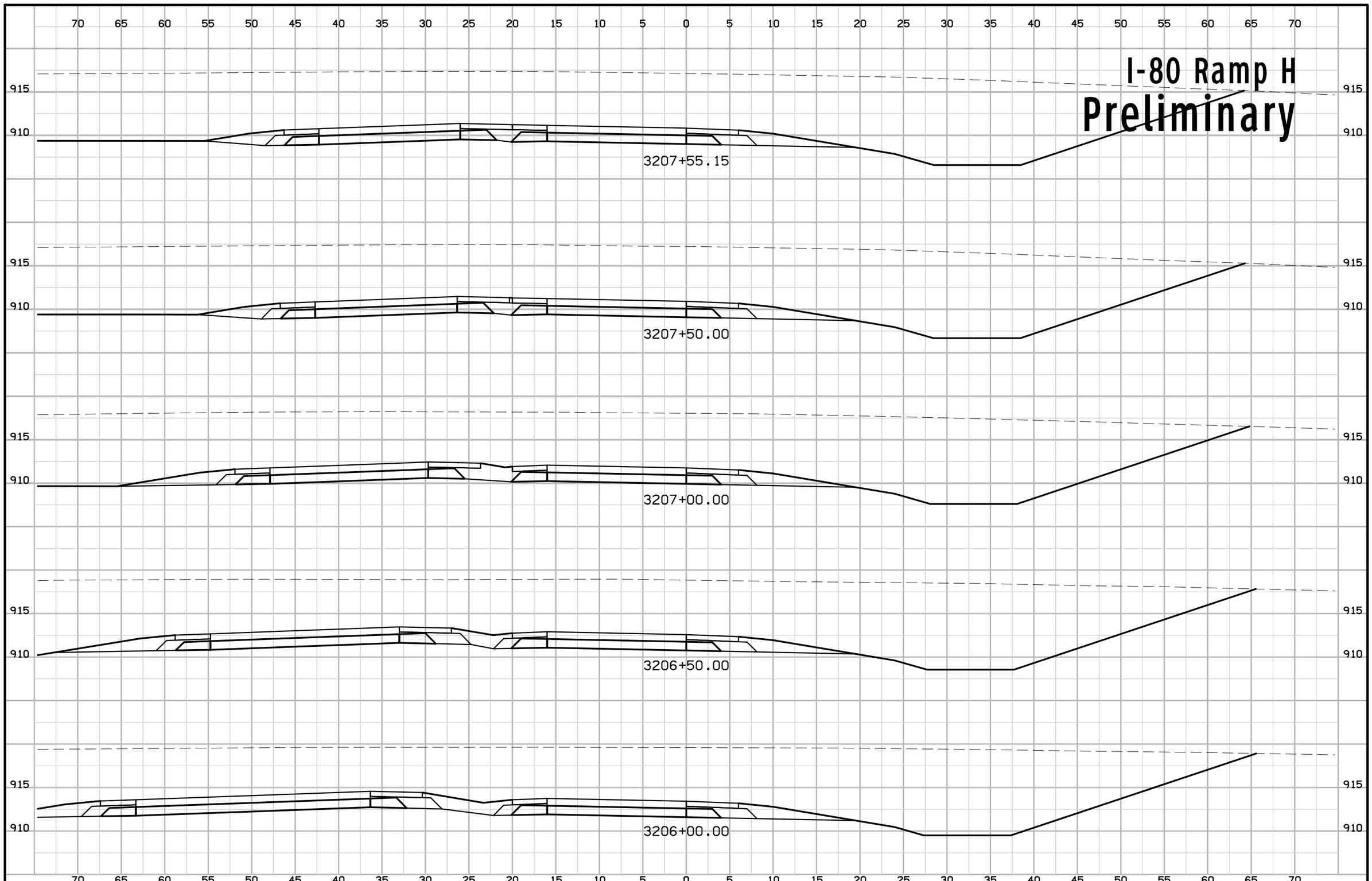
70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER Y.44

6:13:05 PM 1/11/2021 mbeerends pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\4808001019\Design\CADD_Files\Sheet_Files\SHT_48080483Z10_Y04.dgn

I-80 Ramp H

Preliminary



FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER Y.45

6:13:05 PM 1/11/2021 mbeerends pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\4808001019\Design\CADD_Files\Sheet_Files\SHT_48080483Z10_Y04.dgn

I-80 Ramp H

Preliminary

70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

910
905

3209+50.00

915
910
905

3209+00.00

915
910
905

3208+94.06

915
910
905

3208+50.00

915
910
905

3208+00.00

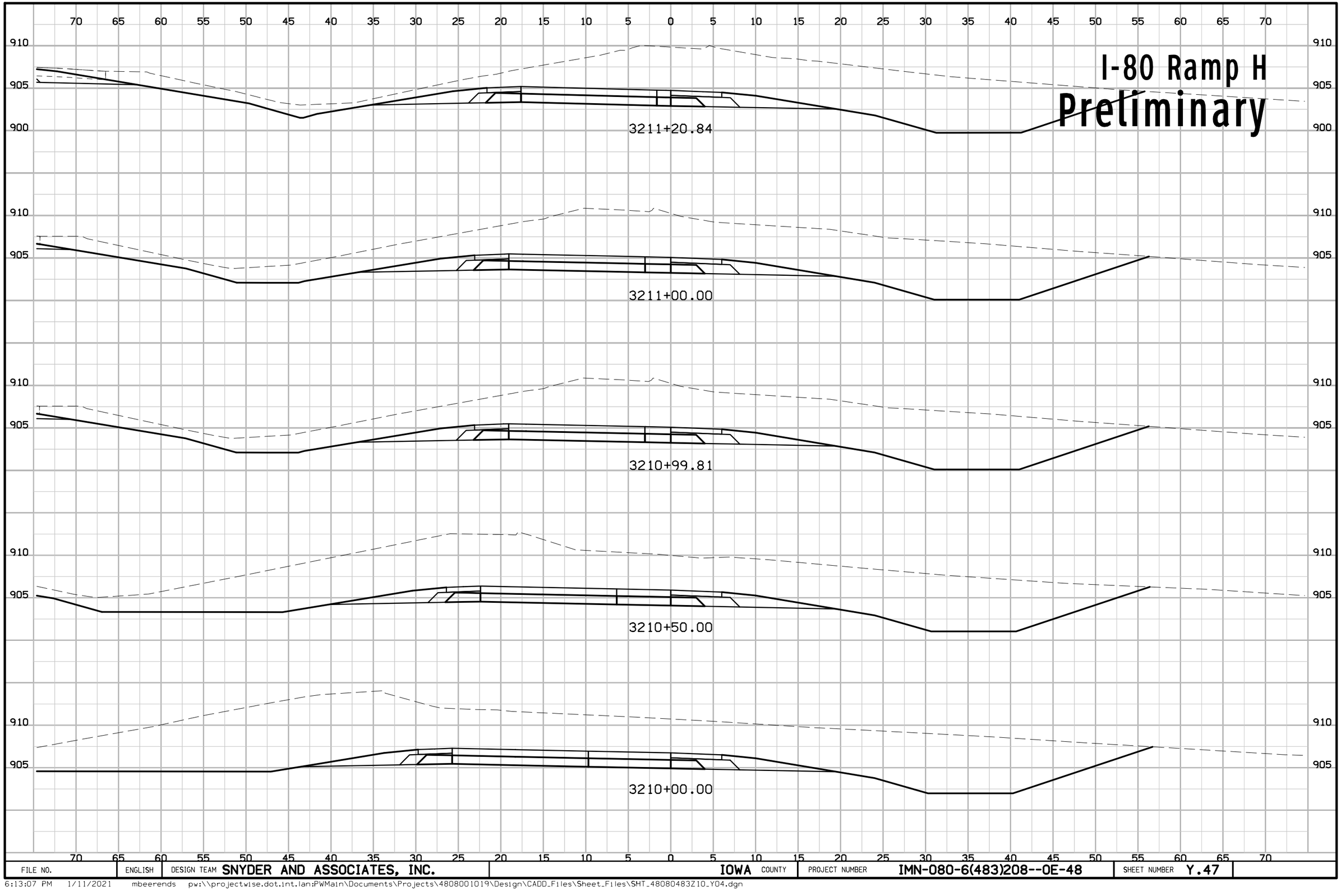
70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER Y.46

6:13:06 PM 1/11/2021 mbeerends pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\4808001019\Design\CADD_Files\Sheet_Files\SHT_48080483Z10_YO4.dgn

I-80 Ramp H

Preliminary



FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER Y.47

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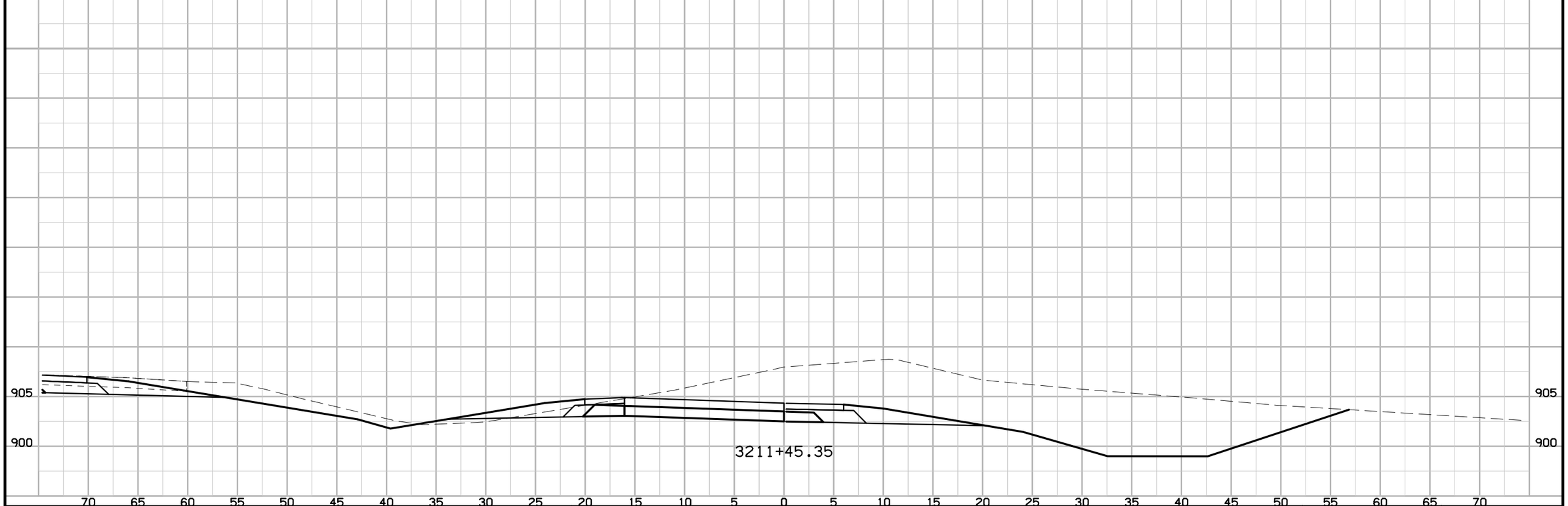
I-80 Ramp H

Preliminary



FILE NO.	ENGLISH	DESIGN TEAM SNYDER AND ASSOCIATES, INC.	IOWA COUNTY	PROJECT NUMBER IMN-080-6(483)208--0E-48	SHEET NUMBER Y.48

6:13:07 PM 1/11/2021 mbeerends pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\4808001019\Design\CADD_Files\Sheet_Files\SHT_48080483Z10_Y04.dgn