LETTING DATE 10/18/2022

WASHINGTON CO. PAVEMENT - GRADE AND REPLACE NHSX-092-9(57)--3H-92

IOWA DOT

Highway Division

PLANS OF PROPOSED IMPROVEMENT ON THE

PRIMARY ROAD SYSTEM

WASHINGTON COUNTY

UNKNOWN PAVEMENT - GRADE AND REPLACE

E of US 218 to 2nd Street in Columbus Junction

REVISIONS

TOTAL 326
PROJECT IDENTIFICATION NUMBER
85-92-092-010
PROJECT NUMBER
NHSX-092-9(57)--3H-92
R.O.W. PROJECT NUMBER
NHSN-092-9(160)--2R-92
NHSN-092-9(161)--2R-58

SCALES: As Noted

Refer to the Proposal Form for list of applicable specifications.

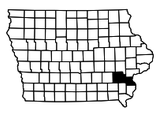
Value Engineering Saves. Refer to Article 1105.14 of the Specifications.



INDEX OF SHEETS

No.	DESCRIPTION
A Sheets	**Title Sheets**
A.1	Title Sheet
A.2	Location Map Sheet
B Sheets	**Typical Cross Sections and Details**
B.1 - 10	Typical Cross Sections and Details
C Sheets	**Quantities and General Information**
C.1	Tab 102-3
D Sheets	**Mainline Plan and Profile Sheets**
* D.1	Plan and Profile Legend and Symbol Information Sheet
* D.2 - 21	IA 92
E Sheets	**Side Road Plan and Profile Sheets**
* E.1 - 12	Side Roads
G Sheets	**Survey Sheets**
G.1	Reference Ties and Bench Marks
G.2 - 5	Horizontal Control Tab. & Super for all Alignments
J Sheets	**Traffic Control and Staging Sheets**
J.1	Tab
* J.2	Detour
W Sheets	**Mainline Cross Sections**
W.1 - 248	Mainline Cross Sections
X Sheets	**Side Road Cross Sections**
X.1 - 25	Side Road Cross Sections
	* Color Plan Sheets

H Sheets



DESIGN DATA RURAL

2019 AADT	3500	V.P.D.
2039 AADT	3900	V.P.D.
2039 DHV	410	V.P.H.
TRUCKS	24	%
Total Design ESALs	--	

INDEX OF SEALS

SHEET NO.	NAME	TYPE
A.1	X	Primary Signature Block
X	X	X

PRELIMINARY PLANS

Subject to change by final design.

D5 Revision – Date: 5/28/2021

FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER A.1

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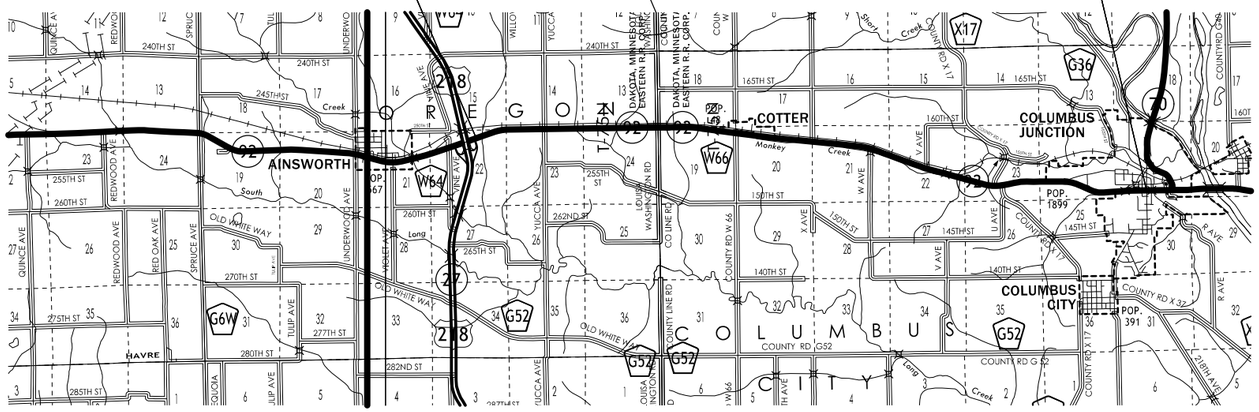
Washington/Louisa
County Line Road

STA. 1460+19.65
BEGIN PROJECT

STA. 1908+70.68
END PROJECT





LOCATION MAP SCALE
0 1 2 3
Miles

FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER A.2

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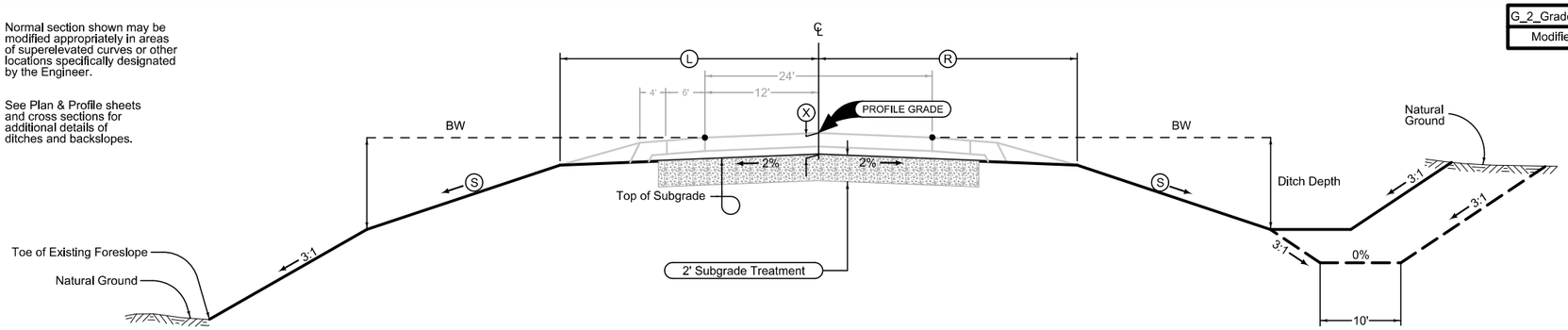
LOCATION			DIMENSIONS				
ROAD IDENTIFICATION	STATION TO STATION		(L) Feet	(R) Feet	(X) Inches	(S)	BW Feet
IA 92	1460+19.65	1851+35.14	29.5	29.5	15.5	6:1	30

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

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

G_2_Grade_BR
Modified



2 LANE GRADING

IA 92

FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER B.1

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Full Depth PCC Combination Shoulder

Shoulder Jointing:
Longitudinal joint: L-2

2_C_FullPCC MODIFIED			
BEGIN STATION	END STATION	(P) Feet	(G) Feet
1460+19.65	1791+01.28	6	4
1814+52.68	1851+35.14	6	4

Full Depth PCC Shoulder

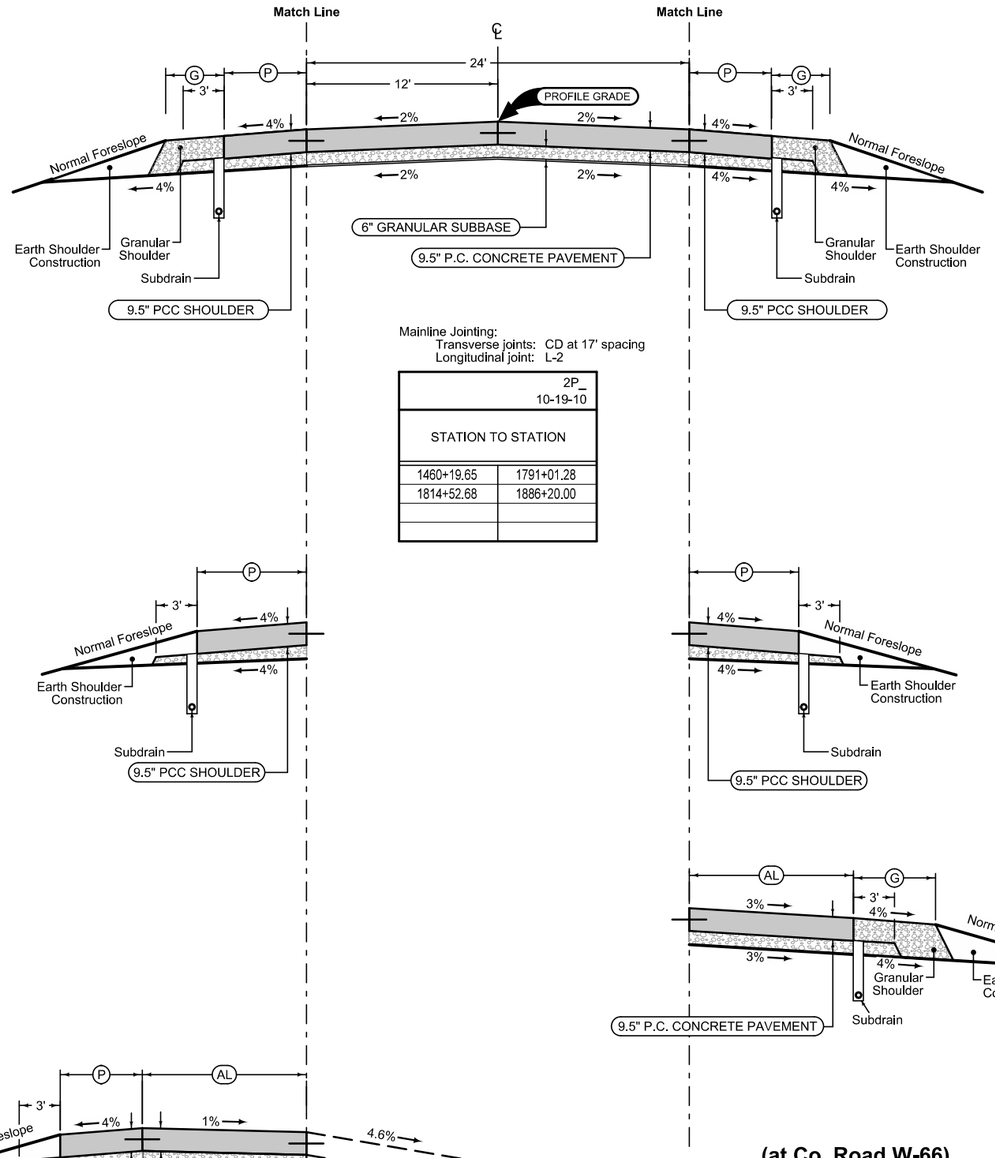
Shoulder Jointing:
Longitudinal joint: L-2 or KT-2
Transverse joints: C at 17' spacing

2_P_FullPCC_ MODIFIED		
STATION TO STATION		(P) Feet
1855+48.48	1886+20.00	10

Auxiliary Lane
Full Depth Shoulder

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

2_AL_Shldr_FullPCC_ 10-19-10
(P) Feet
4
4



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

2P_ 10-19-10	
STATION TO STATION	
1460+19.65	1791+01.28
1814+52.68	1886+20.00

(at Hilltop Road)

Auxiliary Lane

Longitudinal joint: L or KT
Transverse joint: Match Mainline

2_AuxLane_PCC_ 10-18-16		
STATION TO STATION		(AL) Feet
1852+80.72	1854+29.48	12
1854+29.48	1855+48.48	12-0

(at Co. Road W-66)

Full Depth PCC Combination Shoulder

Shoulder Jointing:
Longitudinal joint: L-2

2_C_FullPCC MODIFIED			
BEGIN STATION	END STATION	(P) Feet	(G) Feet
1460+19.65	1613+84.33	6	4
1618+33.38	1791+01.28	6	4
1814+52.68	1852+58.85	6	4

Full Depth PCC Shoulder

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

2_P_FullPCC_ MODIFIED		
STATION TO STATION		(P) Feet
1852+58.85	1886+20.00	10

Auxiliary Lane

Longitudinal joint: L or KT
Transverse joint: Match Mainline

2_AuxLane_PCC_ 10-18-16		
STATION TO STATION		(AL) Feet
1613+84.33	1615+08.14	0-12
1615+08.14	1616+83.08	12

Auxiliary Lane
Granular Shoulder

2_AL_Shldr_G_ 10-19-10
(G) Feet
6
6

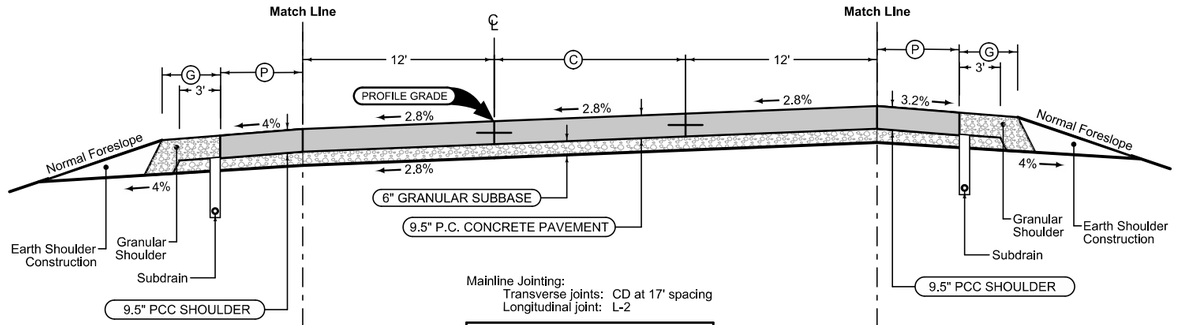
See Tab 100-24 or 100-25 for pavement quantities.
See Tab 112-9 for shoulder quantities.

IA 92

Full Depth PCC Combination Shoulder

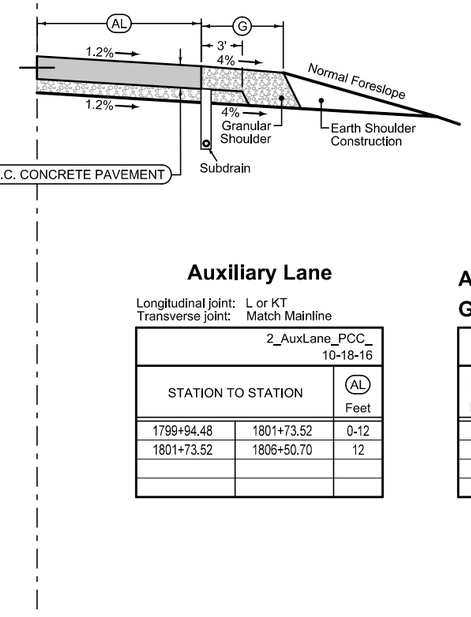
Shoulder Jointing:
Longitudinal joint: L-2

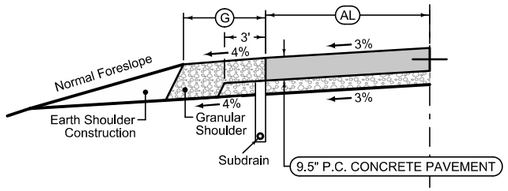
4_C_ 10-15-13			
BEGIN STATION	END STATION	(P) Feet	(G) Feet
1791+01.28	1800+91.19	6	4
1806+75	1814+52.68	6	4



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

2P_TWLTL_ 10-19-10		
STATION TO STATION		(C) Feet
1791+01.28	1798+21.28	0-16
1798+21.28	1809+03.14	16
1809+03.14	1814+52.68	16-0





Auxiliary Lane
Granular Shoulder

2_AL_Shldr_G_ 10-19-10
(G) Feet
6
6

Auxiliary Lane

Longitudinal joint: L or KT
Transverse joint: Match Mainline

2_AuxLane_PCC_ 10-18-16		
STATION TO STATION		(AL) Feet
1802+91.85	1805+38.02	12
1805+38.02	1806+75	12-0

Auxiliary Lane

Longitudinal joint: L or KT
Transverse joint: Match Mainline

2_AuxLane_PCC_ 10-18-16		
STATION TO STATION		(AL) Feet
1799+94.48	1801+73.52	0-12
1801+73.52	1806+50.70	12

Auxiliary Lane
Granular Shoulder

2_AL_Shldr_G_ 10-19-10
(G) Feet
6
6

Full Depth PCC Combination Shoulder

Shoulder Jointing:
Longitudinal joint: L-2

4_C_ 10-15-13			
BEGIN STATION	END STATION	(P) Feet	(G) Feet
1791+01.28	1799+94.48	6	4
1808+20.24	1814+52.68	6	4

See Tab 100-24 or 100-25 for pavement quantities.
See Tab 112-9 for shoulder quantities.

IA 92 @ Co. Road X-17

FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER B.3

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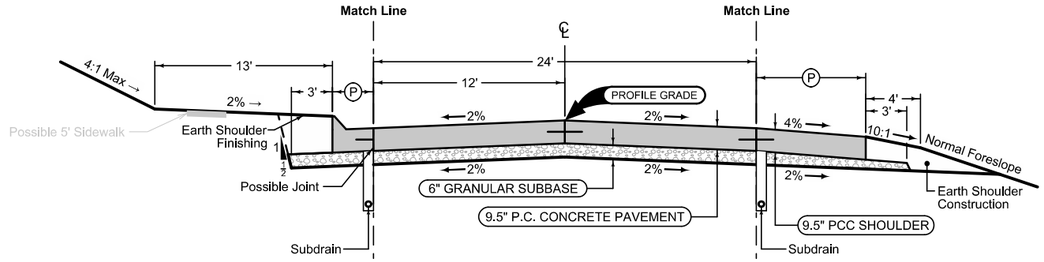
Curbed Shoulder

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

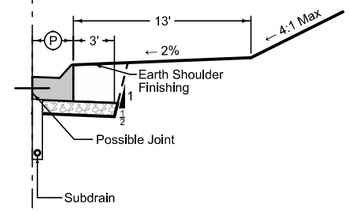
Single pour: L-2
Staged : KT-2
Transverse:C at 17' spacing

			2_Curb_ 10-17-17
STATION TO STATION		(P) Feet	Curb Type See PV-102
1886+20.00	1891+62	8.5	6" Std.
1892+45	1895+80	8.5	4" Std.
1895+80	1896+30	8.5-3.5	4" Std.
1896+30	1908+69.18	3.5	6" Std.



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

	2P_ 10-19-10
STATION TO STATION	
1886+20.00	1908+69.18



Full Depth PCC Shoulder

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

		2_P_FullPCC_ 10-19-10
STATION TO STATION		(P) Feet
1886+20.00	1891+65.70	10

Curbed Shoulder

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

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

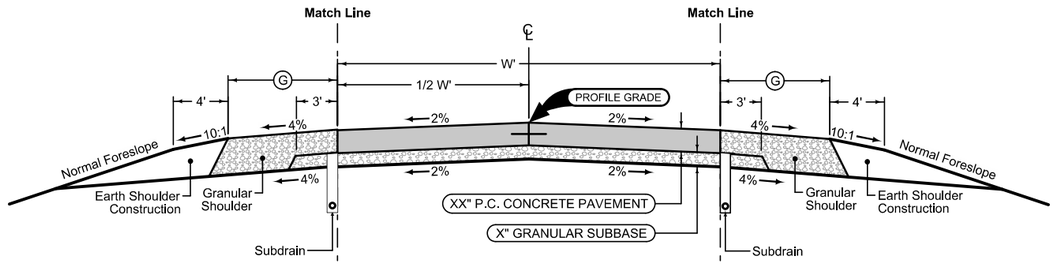
			2_Curb_ 10-17-17
STATION TO STATION		(P) Feet	Curb Type See PV-102
1894+41	1895+25	8.5	4" Std.
1895+25	1895+75	8.5-3.5	4" Std.
1895+75	1895+90	3.5	4" Std.
1895+90	1908+69.18	3.5	6" Std.

See Tab 100-24 or 100-25 for pavement quantities.
See Tab 112-9 for shoulder quantities.

IA 92

Granular Shoulder

STATION TO STATION		2_G_SR_ 04-21-20 (G) Feet
W66 (south)		
6+65.41	7+39.60	7.1
W66 (north)		
7+63.67	8+22.86	3.5
X17 (south)		
6+06.91	7+13.44	15.6
X17 (north)		
1+95.97	3+04.69	7.5
Hilltop		
2+27.67	2+85.25	10
Western Ave.		
7+10.63	7+75.71	curb
Western Access		
0+21.26	3+90.00	earth
3rd St (south)		
4+88.84	5+39.16	curb
3rd St (north)		
0+15.00	0+37.88	tie



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

STATION TO STATION	2P_ 04-21-20
W66 (south)	W = 22'
6+65.41	7+39.60
W66 (north)	W = 22'
7+63.67	8+22.86
X17 (south)	W = 22'
6+06.91	7+13.44
X17 (north)	W = 22'
1+95.97	3+04.69
Hilltop	W = 22'
2+27.67	3+87.89
Western Ave.	W = 23'
7+10.63	7+75.71
Western Access	W = 24'
0+21.26	3+90.00
3rd St (south)	W = 24'
4+88.84	5+39.16
3rd St (north)	W = 25'
0+15.00	0+37.88

Granular Shoulder

STATION TO STATION		2_G_SR_ 04-21-20 (G) Feet
W66 (south)		
6+65.41	7+39.60	3.5
W66 (north)		
7+63.67	8+22.86	2.4
X17 (south)		
6+06.91	7+13.44	10.4
X17 (north)		
1+95.97	3+04.69	7.5
Hilltop		
2+27.67	3+87.89	2' paved
Western Ave.		
7+10.63	7+75.71	curb
Western Access		
0+21.26	3+90.00	earth
3rd St (south)		
4+88.84	5+39.16	curb
3rd St (north)		
0+15.00	0+37.88	tie

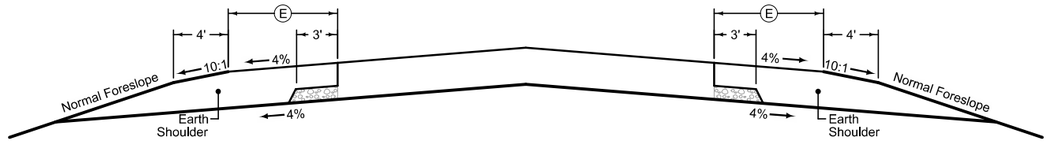
See Tab 100-24 or 100-25 for pavement quantities.

See Tab 112-9 for shoulder quantities.

Paved Sideroads

Earth Shoulder

		2_E_ 04-21-20
STATION TO STATION		(E) Feet



Earth Shoulder

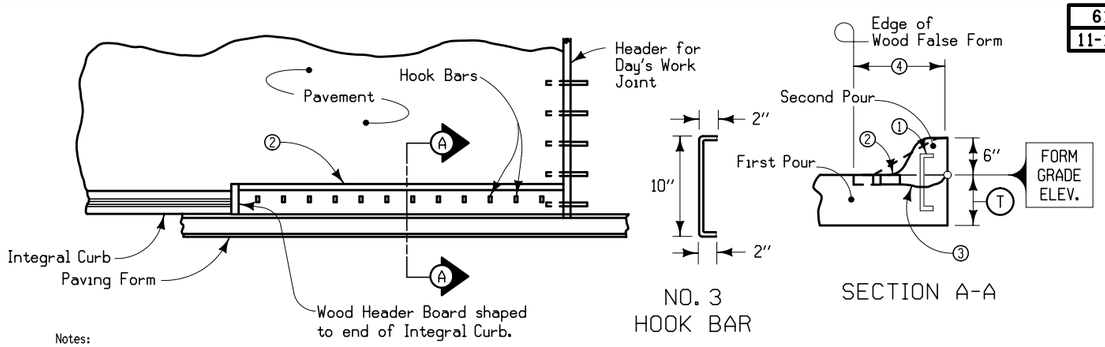
		2_E_ 04-21-20
STATION TO STATION		(E) Feet

STATION TO STATION	
Yucca (south)	W = 28'
83+70.00	84+21.61
Yucca (north)	W = 24'
84+65.62	85+38.00
Co. Line Rd. (s)	W = 24'
62+54.50	63+06.89
Co. Line Rd. (n)	W = 28'
63+51.24	64+04.00
X Ave.	W = 20'
1+43.00	1+91.10
W Ave.	W = 24'
10+68.89	11+58.54
V Ave	W = 23'
4+77.65	5+22.90

See Tab 112-9 for shoulder quantities.

Granular Sideroads

6115
11-10-92



NO. 3
HOOK BAR

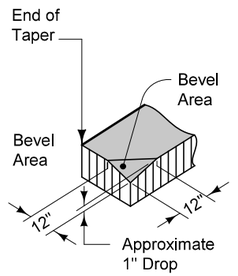
SECTION A-A

Notes:

1. Install hook bar at 12" intervals with top projecting so as to clear the paving equipment and as near the false form board as possible to maintain 2" surface clearance.
2. 2" x 4" False Form.
3. Excavate a slight cavity in concrete around each bar.
4. 12" maximum for Standard 6" Curb.
   16" maximum for Sloped 6" Curb.

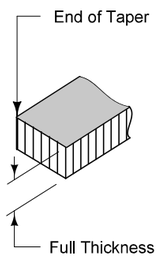
CONSTRUCTION WHERE CURB IS OMITTED AT END OF DAY'S RUN

7101
10-19-10



DETAIL 'A'

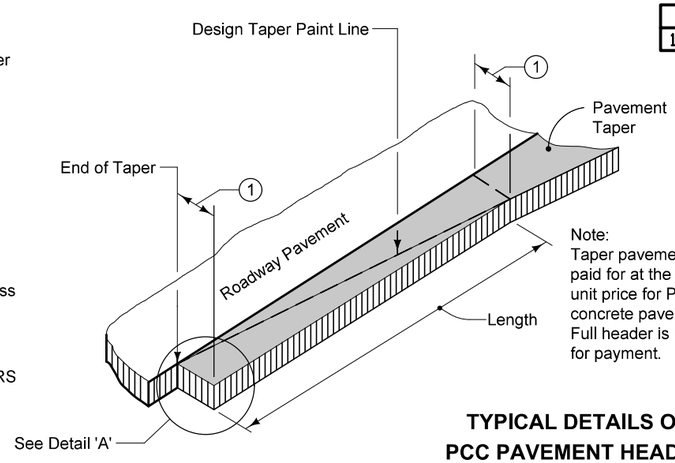
FOR
GRANULAR SHOULDERS



DETAIL 'A'

FOR
PAVED SHOULDERS

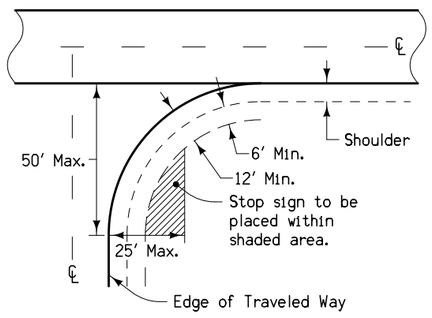
(1) Normal width is 2'-0". Construct 4'-0" width when butting into 4' wide HMA shoulders (See Typical 7154A).



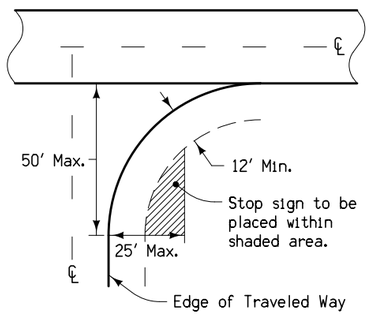
Note:
Taper pavement to be paid for at the contract unit price for P.C. concrete pavement. Full header is included for payment.

TYPICAL DETAILS OF PCC PAVEMENT HEADER

9503
07-15-97



CASE 'A' WITH SHOULDER



CASE 'B' WITHOUT SHOULDER

NOTES:

Stop signs should be confined to the shaded areas, but as close to the approach roadway as possible to provide the motorist with the best visual impact.

If possible, stop signs should be placed at the point where vehicles are to stop or as near as practical.

In rural areas, the lateral clearance should not be closer than 6' from the edge of a usable shoulder, or if none, 12' from edge of the traveled way.

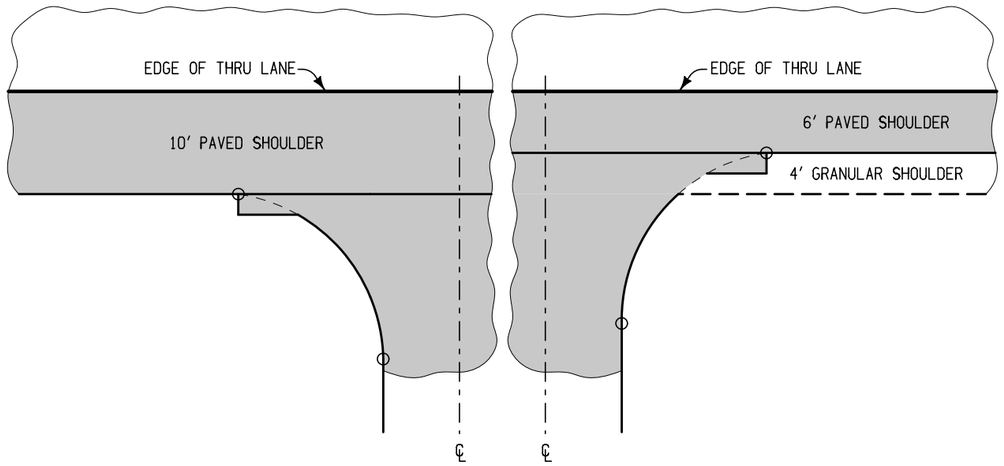
In urban areas, stop signs should be placed a minimum of 6' from the near edge of the intersected street or a minimum of 4' in advance of the near edge of a marked crosswalk. Lateral clearance may be reduced to a minimum of 2' from the face of a curb.

Where the approach roadway consists of two lanes of traffic, a second stop sign should be placed where it is visible to traffic in the inner lane.

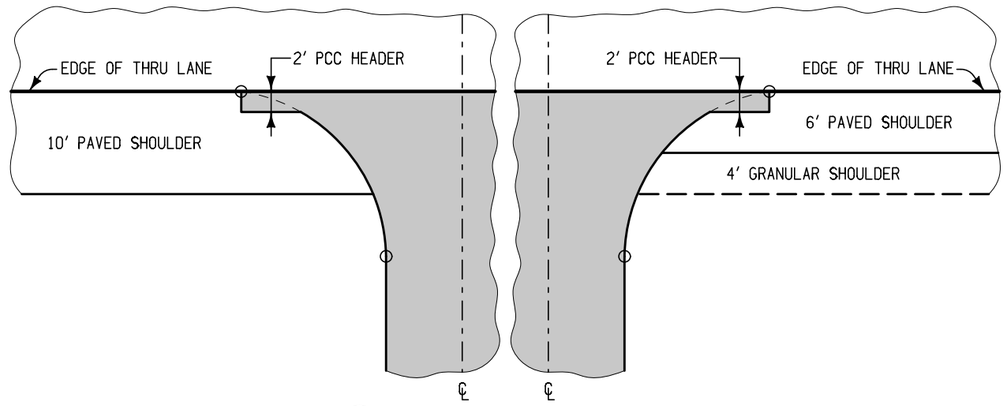
At channelized intersections, the additional stop sign may be placed on a channelized island or median.

STOP SIGN PLACEMENT

PAVED

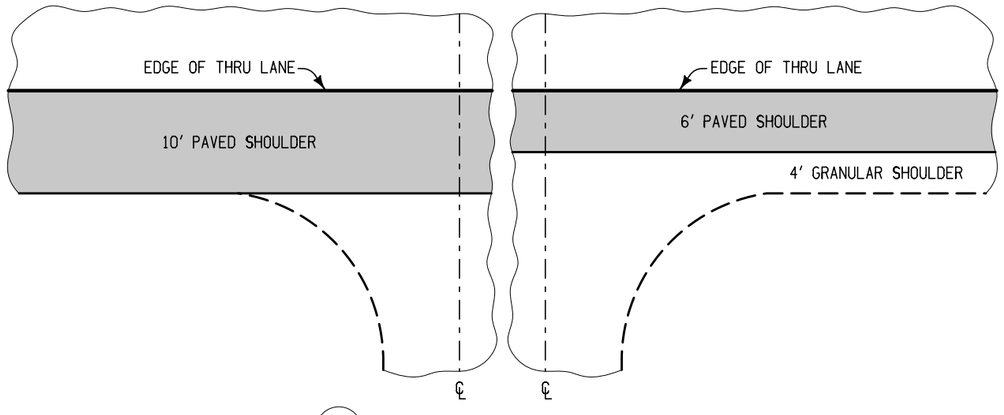


1 PAVED ENTRANCE

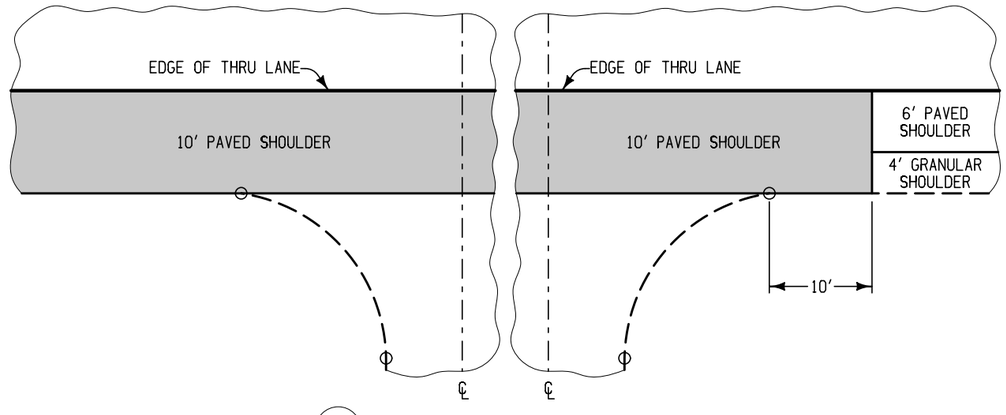


2 PAVED SIDEROAD

GRANULAR



3 GRANULAR ENTRANCE



4 GRANULAR SIDEROAD

RETURN TYPICALS

FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER B.8

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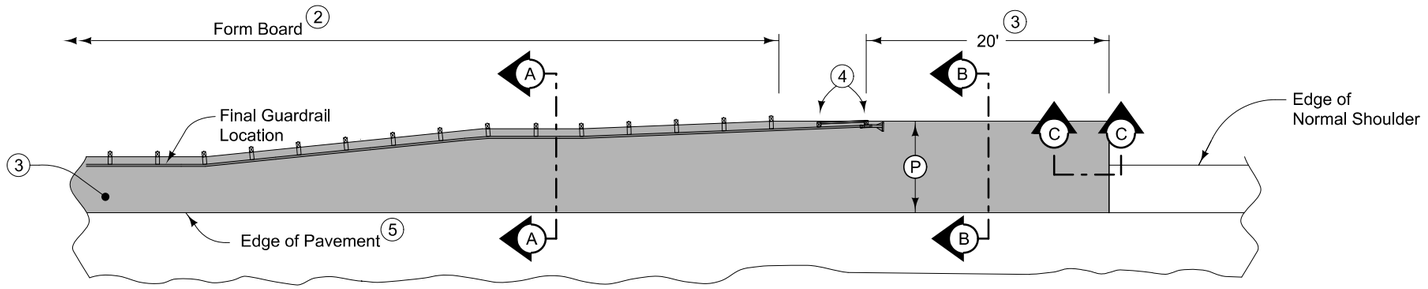
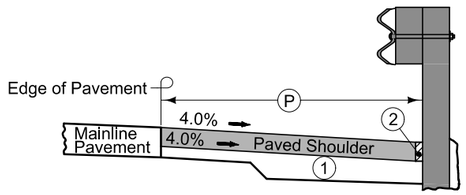
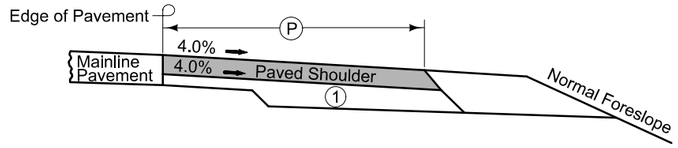
DESIGNER INFO | 7156 | 04-18-17



PLAN VIEW

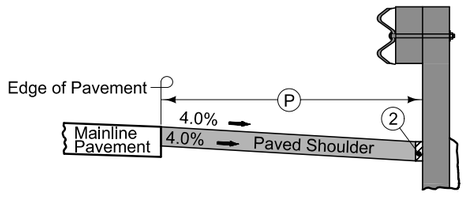


Section A-A

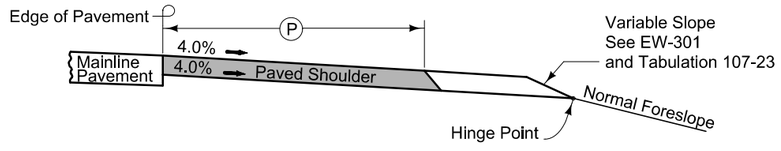


Section B-B

NEW CONSTRUCTION



Section A-A



Section B-B

EXISTING SHOULDER

9" HMA Paved Shoulder at guardrail. 8" PCC may be substituted with the following jointing layout:

Match mainline pavement joint spacing. When mainline pavement is 8" or greater in thickness, place additional transverse 'C' joints in shoulder at mid-panel of the mainline pavement. Place longitudinal 'C' joint at P/2 from edge of mainline pavement when P is greater than 10' wide. Terminate longitudinal joint at transverse joint less than 10' in length.

Compaction of HMA is required to face of guardrail post. Hand compaction will be allowed under guardrail. Removal and reinstallation of guardrail will be allowed with no additional payment.

Refer to Tabulation 112-9 for shoulder quantities.

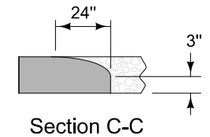
(1) For subgrade treatment, refer to other details in the plan.

(2) PCC option only: When guardrail posts are installed prior to construction of PCC paved shoulder, fasten form board to the face of guardrail posts for the length shown. Refer to note 4 for final 2 posts.

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

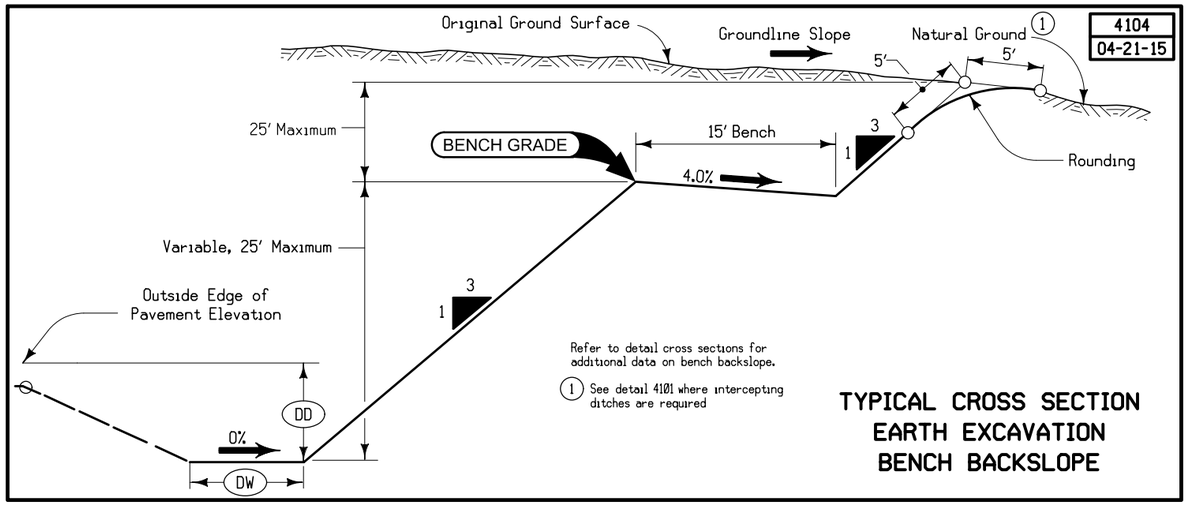
(4) Shoulder may be notched for final 2 posts or post sleeves may be installed through pavement. Do not drive posts through pavement.

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



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

PAVED SHOULDER AT GUARDRAIL



4104
04-21-15

FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER B.10

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ACCESS POINTS AND SAFETY RAMPS

Refer to Cross-Sections

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

Location		Type	Length of Opening (1)			W	(1) (2) PR	(2) SR	Pipe Culvert (3)					Aprons	Driveway Surface Area		Driveway Surfacing Material	Remarks
Station	Side	A, B, C, Safety Ramp, or Predetermined*	Case	1½" Dropped Curb	3" Dropped Curb				H	Size	Pipe Length	Lt.	Rt.		HMA	PCC		
			1 or 2	LF	LF	FT	FT	FT	FT	IN	LF	LF	LF	No.	SY	SY	TON	
ML																		
1465+07.50	Rt	C				20.0		15.0	2.6	24.0	58.0	30.0	33.0	2			8.900	
1511+00.00	Rt	C				20.0		15.0	3.7	24.0	108.0	29.0	84.0	2			10.900	
1516+58.00	Lt	C				20.0		15.0										dry
1519+85.00	Lt	C				20.0		15.0									11.700	dry
1519+85.00	Rt	C				26.0		15.0									10.900	dry
1524+09.00	Lt	C				26.0		15.0	3.2	24.0	72.0	45.0	33.0	2			13.200	
1525+25.00	Lt	C				20.0		15.0									7.700	dry
1525+25.00	Rt	C				20.0		15.0									10.600	dry
1543+08.00	Lt	C				20.0		15.0	2.3	24.0	58.0	34.0	29.0	2			9.100	
1543+08.00	Rt	C				20.0		15.0	3.4	24.0	74.0	32.0	47.0	2			10.600	
1580+05.00	Lt	C				24.0		20.0	1.1	24.0	44.0	26.0	23.0	2		138.5		
1581+48.00	Lt	B				30.0		20.0	1.0	24.0	60.0	37.0	28.0	2		170.8		
1583+08.50	Lt	B				24.0		20.0	2.0	24.0	60.0	28.0	26.0	2		190.5		
1584+80.00	Rt	C																PROPOSE TO CLOSE
1587+00.00	Rt	C				20.0		15.0									5.000	dry
1591+32.00	Rt	C				20.0		15.0	2.0	24.0	48.0	29.0	24.0	2			8.700	
1597+88.00	Lt	C				20.0		15.0									9.000	dry
1645+00.00	Rt	C				20.0		15.0									15.200	dry
1686+53.00	Lt	C				30.0		15.0									4.500	UAC Ent. Pipes
1696+40.00	Rt	C				20.0		15.0									5.100	dry
1746+57.00	Rt	C				20.0		15.0									6.700	dry
1753+44.00	Rt	Safety Ramp				36.0		NA									NA	dry
1768+45.00	Rt	C				20.0		15.0									13.300	dry
1780+40.00	Rt	C				20.0		15.0	9.0	24.0	74.0	33.0	47.0	2			13.600	wait
1784+19.00	Lt	C				20.0		15.0									69.600	dry
1793+19.30	Lt	C				22.0		15.0									23.300	dry
1805+20.00	Rt	C																PROPOSE TO CLOSE
1807+25.00	Lt	C				20.0		15.0									9.800	dry
1810+32.00	Rt	B				32.0		30.0								257.4		dry
1812+20.80	Lt	C				20.0		15.0									6.800	dry
1812+20.80	Rt	C				20.0		15.0	2.0	24.0	46.0	26.0	25.0					
1816+77.00	Lt	C				20.0		15.0									6.900	dry
1816+85.50	Rt	B				45.0		45.0	2.6	24.0	78.0	45.0	39.0	2		398.5		
1820+25.90	Lt	C				20.0		15.0	1.4	18.0	24.0	15.0	15.0	2			6.600	ditch front (for cover)
1820+51.10	Rt	C				25.0		15.0	2.4	24.0	58.0	33.0	30.0	2			8.400	
1822+38.00	Lt	Jt. C				20.0		15.0									6.200	Joint
1832+00.00	Lt	C				20.0		15.0									5.900	dry
1835+13.40	Lt	C				20.0		15.0	2.3	24.0	52.0	24.0	33.0	2			8.400	
1840+50.00	Rt	C				20.0		15.0									5.500	dry
1841+61.40	Lt	C				20.0		15.0	1.0	24.0	36.0	23.0	18.0	2			5.700	
1844+40.60	Lt	C				20.0		15.0										dry
1844+40.60	Rt	C				25.0		15.0	2.8	24.0	62.0	30.0	38.0	2		158.4		
1846+45.00	Rt																	PROPOSE TO CLOSE
1846+73.60	Lt	C				20.0		15.0									5.100	dry
1848+46.20	Rt	Jt. C				20.0		15.0	1.0	18.0	32.0	18.0	19.0	2			5.600	ditch front (for cover)
1850+06.30	Rt	C				20.0		15.0	1.0	18.0	38.0	22.0	22.0	2			5.800	
1850+37.20	Lt	B				24.0		20.0	1.1	18.0	34.0	20.0	20.0	2		111.5		ditch front (for cover)
1852+08.40	Rt	Jt. C				30.0		15.0									5.600	Joint / dry
1856+60.00	Lt	B				25.0		15.0	1.0	24.0	52.0	25.0	33.0	2		172.2		
1856+60.00	Rt	C				20.0		15.0	1.2	24.0	46.0	29.0	21.0	2			5.800	
1865+17.00	Rt	C				20.0		15.0	2.4	24.0	64.0	47.0	17.0	2			34.000	
1873+35.00	Lt	C				20.0		15.0	4.5	24.0	84.0	36.0	53.0	2			11.200	Rt. FS 6:1
1880+40.00	Lt	C				20.0		15.0								163.7		dry, steepen foreslopes
1887+51.00	Lt	Jt. B	2	56.0		45.0		taper								56.3	2.000	Joint
1890+05.90	Lt	Jt. B	2	56.0		45.0		taper								56.2	2.000	Joint
1902+92.00	Lt		2	40.0		30.0		taper								53.1		Future 4th Street
1904+35.00	Lt	C	2	34.0		24.0		taper								29.0		
1904+46.70	Rt	C	2	30.0		20.0		taper								25.0	1.300	
1904+98.00	Lt	B	2	52.0		42.0		taper								72.8		
1907+63.70	Lt		2	30.0		20.0		taper								25.0		alley access
Side Roads																		
Yucca Ave.	Lt	C				20.0		15.0	1.2	24.0	38.0	21.0	23.0	2			7.200	SW quad. Ditch front - cover
82+81.00																		
W Ave.	Lt	C				20.0		15.0	2.2	24.0	32.0	17.0	21.0	2			8.000	SW quad. Lay pipe in draw
10+69.00																		
Hilltop	Lt	B				30.0		taper								287.5		NW quad. / dry
2+99.00																		
Western Ac.	Lt	B				36.5		taper								89.7		NW quad. / dry
+68.00																		
3+17.00	Lt	C				16.0		taper	3.8	24.0	42.0	24.0	24.0	2			8.400	NW quad.

SURVEY SYMBOLS

- PPA Power Pole Co. 1
- TPD Telephone Pedestal
- PR Electic Riser Pole
- EB Electrical Box
- LUM Luminaire
- PLG Location of General Photo
- FHD Fire Hydrants
- WV Water Valve
- IN Storm Sewer Intake
- MH Utility Access (Manhole)
- MIS Miscellaneous
- GDL Guard Rail Steel
- CUL Culvert
- PIP Pipe Culvert
- INB Storm Sewer Beehive Intake
- TIL Tile Line
- BM Bench Mark
- RET Retaining Walls
- BRG Bridge
- WEL Well
- DU Centerline Draw or Stream (Up)
- BNK Stream Bank
- D Centerline Draw or Stream (Down)
- RIP Rip-Rap
- RR Centerline of Railroad Tracks
- SH Paved Shoulder
- ENP Edge Paved Entrance & Park Lot
- EP Edge of Paved Roads (ML or SR)
- SWK Sidewalk
- SNP Unpaved Shoulder
- ENT Centerline BL of Entrance
- GU Gutter In Front of Curb
- EG Edge of Gravel Road
- CON Concrete or A/C Slab
- CU Back of Curb
- ENU Edge Unpaved Entrance & Parking
- T1 – TL1D Telephone Line Co. 1 - Quality D
- G – GL1D Gas Line Co. 1 - Quality D
- E1 – EL1D Electric Line Co. 1 - Quality D
- FO – FO1D Fiber Optic Co. 1 - Quality D
- W – WL1D Water Line Co. 1 - Quality D
- TV – TV1D TV Cable Co. 1 - Quality D
- FO2 – FO2D Fiber Optic Co. 2 - Quality D
- FO2(B) – FO2B Fiber Optic Co. 2 - Quality B
- TV2 – TV2D TV Cable Co. 2 - Quality D
- SAN. – SA1D Sanitary Sewer Co. 1- Quality D
- ST S – ST1D Storm Sewer Co. 1 - Quality D
- G2 – GL2D Gas Line Co. 2 - Quality D
- T3 – TL3D Telephone Line Co. 3 - Quality D

UTILITY LEGEND

Alliant Energy
Mary Montgomery
PO Box 351
Cedar Rapids, IA 52406-9874
(319) 786-4768MaryMontgomery@alliantenergy.com

Windstream Communications
Luke Niles
4001 N. Rodney Parham, 3rd floor
Little Rock, AR 72212
(501) 748-5893Luke.t.niles@windstream.com

Eastern Iowa Light & Power
Dennis Hill
600 East Fifth Street
Wilton, IA 52778
(563) 732-2211
dhill@easterniowa.com

Mediacom
Tim Eagan
3210 Division Street
Burlington, IA 52655
(319) 208-1829teagan@mediacomcc.com

PLAN VIEW COLOR LEGEND OF PLAN AND PROFILE SHEETS

LINEWORK	Design Color No.	
Green	(2)	Existing Topographic Features and Labels
Blue	(1)	Proposed Alignment, Stationing, Tic Marks, and Alignment Annotation
Magenta	(5)	Existing Utilities
SHADING	Design Color No.	
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	WASHINGTON COUNTY	PROJECT NUMBER	SHEET NUMBER
		Jia \ Miller \ Altenhofen		NHSX-092-9(57)--3H-92	D.1

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Oregon TWP.
T-75N R-6W
SEC. 14

Oregon TWP.
T-75N R-6W
SEC. 23

Yucca Ave.

Yucca Ave.

Sta. 1457+44.3
Skew 0°
24" X 116' RCP
with 6.13 aprons
D.A. = 4 Ac - R
(???)

POT Sta 1459+44.31

1460 1465 1470 1475 1480 1485

BEGIN PAVING
STA. 1460+19.65

IA 92

15" x 40'
C.M.P.
(REMOVE)

Prop. 24"
Uncl. Ent. Pipe

Sta. 1462+86.8
Skew 0°
2' x 2' x 49.5' RBC
30" x 18.37' RCP S end
30" x 21.37' RCP N end
Each end has 6.13 apron
D.A. = 4 Ac - R
(???)

+07 Prop. Type "C" Ent. W=20'

48" CIP
Under RR
(U.A.C)

12' x 132'
Clay & Plastic
Pipe
(???)

Gate

15" x 30'
C.M.P.

0 FEET 100

IA 92

770 760 750 740 730 720 710 700

1% 1.8%

Sta. +07.5
Prop. Type "C" Ent.

BEGIN PAVING
STA. 1460+19.65

740.00

+20 Rt.
737.29

+83 Rt.
734.50

+88 Rt.
734.50

+50 Rt.
737.26

+25 Lt.
737.78

+20 Lt.
737.46

+80 Lt.
731.65

+95 Lt.
731.65

+75 Lt.
732.45

+15 Rt.
741.18

+30 Rt.
742.58

+25 Lt.
741.28

+35 Rt.
741.25

+64 Lt.
736.16

+00 Lt.
734.00

+83 Lt.
733.20

+25 Rt.
728.79

+0.502%
-1.06% DGR
-2.23% DGL
+0.695%
-0.03%
+1.70% DGR
+3.55% DGL
0%
+1.00%
+0.50% DGL
+0.695%
+0.65% DGR
-0.65% DGR
-0.80% DGL
-0.660%
-1.59% DGL
-0.20% DGL
-3.299%

VPI +25.000
Elv 747.88
Len 420.00 ft
K = 309
Dsn Speed = 60 mph +

VPI +00.000
Elv 739.46
Len 820.00 ft
K = 310
Dsn Speed = 60 mph +

VPI +75.000
Elv 741.28
Len 200.00 ft
K = 1035
Dsn Speed = 60 mph +

Lt
Rt

DITCH GRADE RIGHT | Ent. | 5' DITCH | DITCH GRADE RIGHT | DITCH GRADE LEFT | 5' DITCH | Yucca | 5' | 5' | Yucca

740.03 740.15 740.28 740.40 740.53 740.65 740.78 740.91 741.04 741.18 741.33 741.48 741.64 741.80 741.97 742.15 742.32 742.50 742.67 742.84 743.02 743.19 743.36 743.54 743.71 743.89 744.06 744.23 744.41 744.58 744.75 744.93 745.10 745.27 745.45 745.62 745.80 745.97 746.14 746.32 746.49 746.64 746.78 746.90 746.99 747.06 747.12 747.15 747.17 747.16 747.14 747.09 747.02 746.94 746.83 746.70 746.56 746.39 746.23 746.06 745.90 745.73 745.57 745.40 745.24 745.07 744.91 744.74 744.58 744.41 744.25 744.08 743.92 743.75 743.59 743.42 743.26 743.09 742.93 742.76 742.60 742.43 742.27 742.10 741.92 741.71 741.49 741.25 740.98 740.70 740.40 740.07 739.73 739.36 738.98 738.57 738.15 737.70 737.24 736.76 736.25 735.72 735.18 734.61 734.03 733.42 732.80 732.15

1460 1465 1470 1475 1480 1485

FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER D.2

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Oregon TWP.
T-75N R-6W
SEC. 14

Oregon TWP.
T-75N R-6W
SEC. 23

Curve Data
Δ = 2° 04′ 57.23″ (RT)
T = 172.67
L = 345.30
R = 9,500.00
E = 1.57

Curve Data
Δ = 2° 04′ 57.23″ (LT)
T = 172.67
L = 345.30
R = 9,500.00
E = 1.57

6′ x 9′ Acrh RCB under RR (U.A.C)

IA 92

PI Sta 1501+68.67

PC Sta 1499+96.00

PT Sta 1503+41.31

Sta. 1505+83
Skew 0°
12′ X 6′ X 79.50′ RCB
D.A. = 850 Ac - R
(???)

18″ x 22′ C.M.P. (REMOVE)

(CLOSE)

12″ x 20′ C.M.P. (REMOVE)

Prop. 24″ Uncle. Ent. Pipe

+00 Prop. Type "C" Ent. W=20′

RC Sta 1510+96.69

PT Sta 1512+69.36

PT Sta 1514+42.00

+58 Prop. Type "C" Ent. W=20′

House

0 FEET 100

IA 92

VPI +75.000
Elv 713.89
Len 400.00 ft
K = 176
Dsn Speed = 60 mph +

+00 Lt. 726.91
+50 Rt. 720.00
+00 Rt. 717.72
+75 Lt. 708.79
-3.91% DGR
-1.52% DGR
-4.83% DGL
-3.299%
-1.00% DGL
-1.039%

VPI +25.000
Elv 700.90
Len 600.00 ft
K = 158
Dsn Speed = 60 mph +

+00 Rt. 699.04
-1.44% DGR
+60 Lt. 694.94
+50 Rt. 694.00
+65 Lt. 691.02
+95 Lt. 691.02
+20 Rt. 690.11
+30 Rt. 690.11
+75 Rt. 692.76
-3.73%
-5.56%
0%
+5.91%
+4.04% DGL
+1.30% DGR
+2.747%
+3.86% DGL
+00 Lt. 707.39
+50 Rt. 695.04

VPI +75.000
Elv 727.00
Len 350.00 ft
K = 139
Dsn Speed = 55 mph

+25 Lt. 712.22
+00 Lt. 718.00
+00 Rt. 720.05
+3.30% DGL
+1.58% DGL
-1.00%
+3.85% DGR
-4%
-11%
-3.3%
Sta. +00
Prop. Type "C" Ent.

740 730 720 710 700 690 680 670

Lt: 5′ DITCH GRADE RIGHT | 5′ DITCH | DITCH GRADE LEFT | DITCH GRADE RIGHT | Ent. | DGL | Ent. | Ent. | DITCH GRADE LEFT | DITCH GRADE RIGHT | DGL

Rt

734.03 733.42 732.80 732.15 731.49 730.80 730.09 729.37 728.62 727.85 727.07 726.26 725.44 724.61 723.79 722.96 722.14 721.31 720.49 719.68 718.91 718.17 717.47 716.81 716.18 715.58 715.02 714.50 714.01 713.55 713.13 712.75 712.40 712.09 711.81 711.55 711.29 711.03 710.77 710.51 710.25 709.99 709.73 709.47 709.22 708.96 708.70 708.44 708.18 707.92 707.66 707.40 707.14 706.88 706.62 706.36 706.10 705.84 705.58 705.32 705.06 704.80 704.54 704.28 704.02 703.78 703.58 703.42 703.30 703.22 703.17 703.17 703.21 703.28 703.40 703.55 703.74 703.98 704.25 704.56 704.91 705.30 705.73 706.20 706.71 707.26 707.85 708.48 709.15 709.83 710.52 711.21 711.89 712.58 713.27 713.95 714.64 715.33 716.01 716.70 717.39 718.07 718.76 719.45 720.13 720.82 721.51 722.19 722.86 723.48 724.05 724.58 725.07 725.51 725.90 726.25 726.56 726.82 727.03 727.20

1490 1495 1500 1505 1510 1515

FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER D.3

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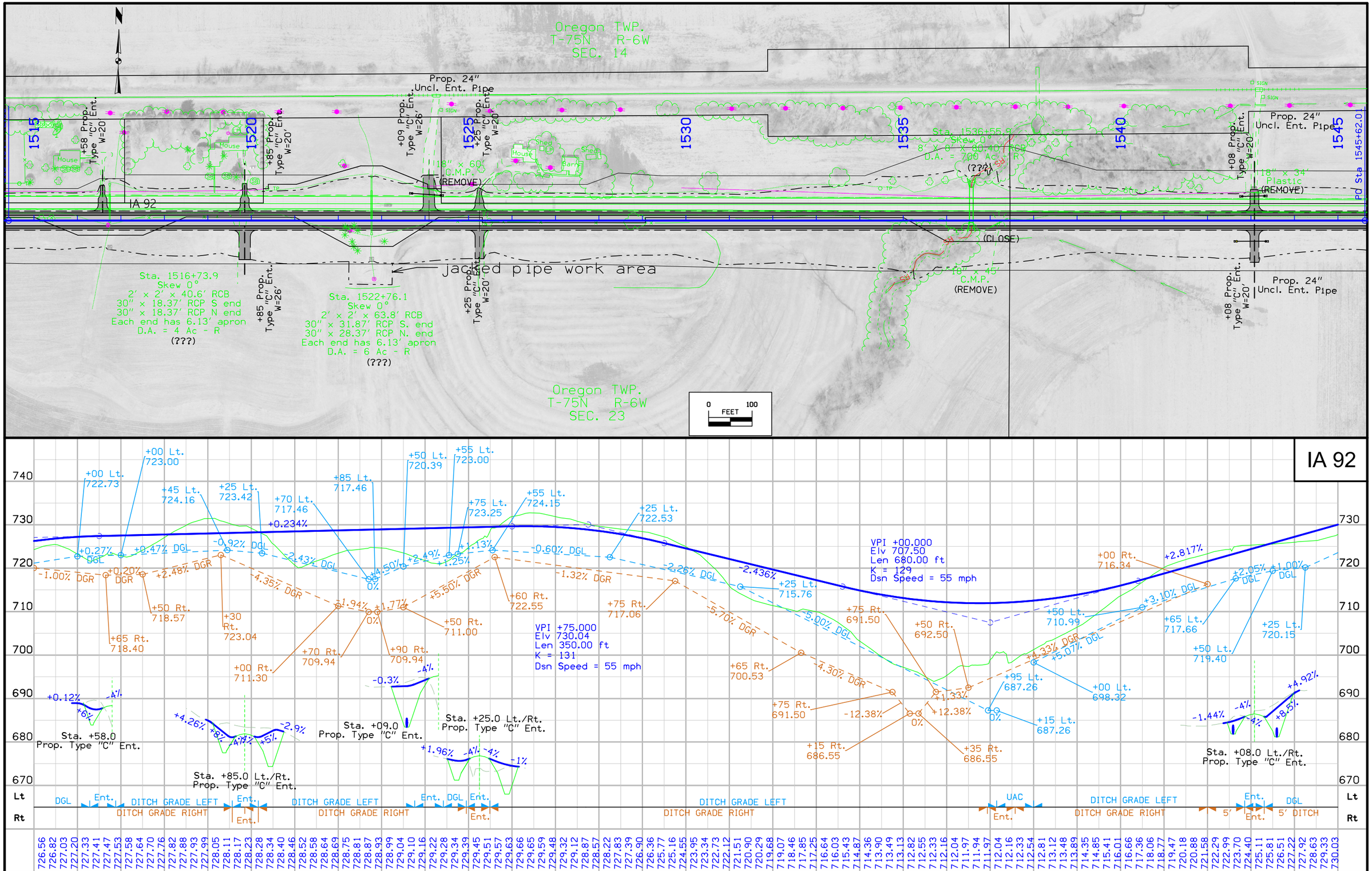

FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER D.4

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Oregon TWP.
T-75N R-6W
SEC. 13

Columbus TWP.
T-75N R-5W
SEC. 18

Oregon TWP.
T-75N R-6W
SEC. 24

Columbus TWP.
T-75N R-5W
SEC. 19

County Line Rd.

IA 92

4" Pipe

4" Pipe

Sta. 1548+35.7
Skew 0°
2' x 2' x 39.5' RCB
30" x 20.37' RCP S. end
30" x 23.97' RCP N. end
Each end has 6.13' apron
D.A. = 4 Ac - R
(???)

PC Sta 1545+62.01

PT Sta 1549+16.28

PI Sta 1547+39.16

PC Sta 1556+55.15

PI Sta 1558+98.85

PT Sta 1561+42.44

Curve Data
Δ = 2° 08' 11.91" (LT)
T = 177.15
L = 354.27
R = 9,500.00
E = 1.65

Curve Data
Δ = 2° 56' 20.03" (RT)
T = 243.70
L = 487.29
R = 9,500.00
E = 3.13

12" x 36'
C.M.P.
Replace
(???)

Sta. 6+58.2
Skew 0°
54.8' of 2' x 2' RCB
15.87' of 30" RCP S. end
15.87' of 30" RCP N. end
Each end has 6.13' apron
D.A. = 11 Ac - R
(???)

PC Sta 1571+49.75

48" CIP
Under RR
(D.A.?)

Sta. 11+36.9
Skew 0°
58.0' of 4' x 3' RCB
27.5' of 48" RCP S. end
6.5' of 48" RCP N. end
Each end has 8' apron
D.A. = 77 Ac - R
(???)

0 100
FEET

IA 92

VPI +10.000
Elv 755.67
Len 1,600.00 ft
K = 320
Dsn Speed = 60 mph +

+2.817%
-2.176%
+0.76% DGR
-0.50% DGL
-0.55% DGR
-1.39% DGL
+1.25% DGL
+1.00% DGL
+2.69% DGL
+4.58% DGL
-0.50% DGL

+00 Lt. 728.17
+50 Rt. 733.76
+4.36
+90 Rt. 735.50
+50 Rt. 738.25
+30 Lt. 727.02
0%
+40 Lt. 727.02
+00 Lt. 727.62
+00 Lt. 733.00
+00 Lt. 738.00
+00 Lt. 735.50
+10 Rt. 733.02
+65 Lt. 731.82

VPI +00.000
Elv 729.77
Len 200.00 ft
K = 140
Dsn Speed = 60 mph +

-0.757%
-2.27% DGL
-1.75% DGR
-1.00% DGL
+0.50% DGL
+1.30% DGR
-0.70% DGR
-3.34% DGL
-5.36%

+00 Lt. 726.71
+00 Rt. 724.89
+25 Lt. 723.24
+25 Rt. 722.70
+80 Lt. 719.69
+88 Lt. 719.69
+25 Lt. 720.88
+55 Lt. 713.20
+25 Rt. 716.50
+00 Rt. 718.77
+25 Rt. 717.90
+50 Rt. 711.20
0%

760 750 740 730 720 710 700 690

Lt
Rt

5' DITCH
DITCH GRADE LEFT
DITCH GRADE RIGHT
County Line Rd. 5'
5' County Line Rd.
5' DITCH
DGR
UAC DITCH
DITCH GRADE LEFT
DITCH GRADE RIGHT

730.74 731.44 732.15 732.85 733.55 734.24 734.90 735.54 736.17 736.77 737.36 737.92 738.47 739.00 739.50 739.99 740.46 740.91 741.34 741.75 742.14 742.51 742.86 743.19 743.50 743.79 744.07 744.32 744.56 744.77 744.97 745.14 745.30 745.43 745.55 745.65 745.73 745.79 745.82 745.84 745.84 745.83 745.83 745.79 745.73 745.65 745.55 745.44 745.30 745.14 744.97 744.77 744.56 744.33 744.07 743.80 743.51 743.19 742.86 742.51 742.14 741.75 741.34 740.91 740.47 740.00 739.51 739.00 738.48 737.93 737.39 736.85 736.30 735.76 735.21 734.67 734.13 733.58 733.04 732.49 731.95 731.43 730.95 730.52 730.13 729.78 729.48 729.23 729.02 728.83 728.64 728.45 728.26 728.07 727.88 727.69 727.50 727.31 727.12 726.93 726.74 726.56 726.37 726.18 725.99 725.80 725.61 725.42 725.23 725.04 724.85 724.66 724.47 724.28 724.09 723.91 723.77 723.67 723.62 723.60 723.63

1550 1555 1560 1565 1570 1575

FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER D.5

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Columbus TWP.
T-75N R-5W
SEC. 18

Curve Data
Δ = 7° 43' 34.60" (RT)
T = 1,553.12
L = 3,101.53
R = 23,000.00
E = 52.38

48" CIP
Under RR
(UAC)

+05 Prop.
Type "C" Ent.
W=24'

+48 Prop.
Type "B" Ent.
W=30'

+08.5 Prop.
Type "B" Ent.
W=24'

Prop. 24"
Uncl. Ent. Pipe

Prop. 24"
Uncl. Ent. Pipe

Prop. 24"
Uncl. Ent. Pipe

18" x 30'
C.M.P.
Replace
(REMOVE)

18" x 30'
C.M.P.
Replace
(REMOVE)

18" x 30'
C.M.P.
Replace
(REMOVE)

1575 1580 1585 1590 1595 1600

PI Sta 1587+02.87

IA 92

(CLOSE)

18" x 40'
Plastic
(REMOVE)

Prop. 24"
Uncl. Ent. Pipe

+32 Prop.
Type "C" Ent.
W=20'

+00 Prop.
Type "C" Ent.
W=20'

42" CIP
Under RR
(UAC)

+88 Prop.
Type "C" Ent.
W=20'

Sta. 11+36.9
Skew 0°
58.0' of 4' x 3' RCB
27.5' of 48" RCP S. end
6.5' of 48" RCP N. end
Each end has 8' apron
D.A. = 77 Ac - R
REMOVE
Install 73"x45"x116' Arch RCP
F.L. = Lt. 712.72
Rt. 705.85

+36.9
0°
x 3' RCB
RCP S. end

Sta. 34+29.6
Skew 0°
3' x 3' x 47.8' RCB
42" x 21.9' RCP S end
42" x 17' RCP N end
Each end has 8' apron
29°30' bend at S end RCB
D.A. = 56 Ac - R
REMOVE
Install 54"x100' RCP
Skew = 23° Rt. Ahd.
F.L. = Lt. 715.81
Rt. 710.81

Sta 1602+51.28

Columbus TWP.
T-75N R-5W
SEC. 19

0 100
FEET

N

IA 92

VPI +00.000
Elv 722.20
Len 480.00 ft
K = 145
Dsn Speed = 60 mph +

VPI +50.000
Elv 749.00
Len 1,600.00 ft
K = 335
Dsn Speed = 60 mph +

VPI +50.000
Elv 722.31
Len 300.00 ft
K = 650
Dsn Speed = 60 mph +

+63 Lt. 713.20
+50 Lt. 717.20
+00 Lt. 720.06
+25 Lt. 726.25
+00 Rt. 735.60
+00 Lt. 733.28
+50 Lt. 731.03
+00 Lt. 731.28
+25 Rt. 729.12
+00 Rt. 716.38
+75 Rt. 711.20
+00 Lt. 726.95
+50 Rt. 726.58
+75 Lt. 719.60
+00 Rt. 720.81
+45 Lt. 716.21
+00 Lt. 719.53
+00 Rt. 710.41

-0.757%
+2.552%
+1.83% DGL
+4.95% DGL
+8.00% DGR
+1.13% DGR
+0.50% DGL
+0.50% DGL
-1.39% DGR
-1.63% DGL
-2.31% DGR
-2.224%
+4.84% DGL
+6.1% DGL
-5.20% DGR
-1.763%
+1.15% DGL
+4.60%
+2.30% DGR
0%
0%

Sta. +05.0
Prop. Type "C" Ent.
Sta. +48.0
Prop. Type "B" Ent.
Sta. +08.5
Prop. Type "B" Ent.
Sta. +00.0
Prop. Type "C" Ent.
Sta. +32.0
Prop. Type "C" Ent.
Sta. +88.0
Prop. Type "C" Ent.

+2.94% -4% +6% -4% +4.1% -4% +6.45% -4% -8% -0.2% -4% -9% 1.09% +3.7% -4%

Lt DITCH GRADE LEFT Ent. DGL Ent. DGL Ent. DITCH GRADE LEFT Ent. UAC DITCH DGL Ent. DGL 3.7' DITCH
Rt DITCH GRADE RIGHT DITCH GRADE RIGHT DITCH GRADE RIGHT UAC DITCH

FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER D.6

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Columbus TWP.
T-75N R-5W
SEC. 18

Columbus TWP.
T-75N R-5W
SEC. 19

Columbus TWP.
T-75N R-5W
SEC. 20

Curve Data
Δ = 0° 28′ 36.60″ (LT)
T = 299.60
L = 599.21
R = 72,000.00
E = 0.62

W-66

Sta. 49+47.9
Skew 0°
5′ x 4′ x 43.6′ RCB
60″ x 16.5′ RCP S end
60″ x 16.5′ RCP N end
Each end has 8′ apron
D.A. = 105 Ac - R
(???)

60″ RCP
Under RR
U.A.C.

PC Sta 1614+47.35

PT Sta 1620+46.56

Twin 48″ CMP
Under RR
U.A.C.

42″ CMP
Under RR
U.A.C.

IA 92

Sta. 54+42.6
Skew 0°
6′ X 6′ X 57′ RCB
D.A. = 224 Ac - R
U.A.C.

Sta. 59+89.4
Skew 0°
6′ x 5′ x 42.8′ RCB
72″ x 17.75′ RCP S end
72″ x 16.75′ RCP N end
Each end has 8.25′ apron
D.A. = 175 Ac - R
(???)

Sta. 69+33.4
Skew 0°
3′ x 3′ x 36.6′ RCB
42″ x 18.5′ RCP S
42″ x 18.5′ N end
Each end has 8′ apron
D.A. = 54 Ac - R
(???)

Barn
House
Barn
Barn
Garage
Shed

0 100
FEET

IA 92

VPI +00.000
Elv 703.80
Len 600.00 ft
K = 371
Dsn Speed = 60 mph +

VPI +00.00
Elv 702.45
Len 300.00 ft
K = 256
Dsn Speed = 60 mph +

VPI +30.000
Elv 698.10
Len 300.00 ft
K = 305
Dsn Speed = 60 mph +

| | | |

Curve Data
Δ = 1° 29' 42.58" (LT)
T = 521.94
L = 1,043.82
R = 40,000.00
E = 3.41

Columbus TWP.
T-75N R-5W
SEC. 20

1635 1640 1645 1650 1655 1660

AC Sta 1639+23.46

PT Sta 1649+67.28

A.C.

IA 92

36" RCP Under RR U.A.C.

30" CMP Under RR U.A.C.

40" RCP Under RR U.A.C.

36" CMP Under RR U.A.C.

48" CMP Under RR U.A.C.

PI Sta 1644+45.40

+00 Prop. Type "C" Ent.

Sta. 81+53.1
Skew 4° (RA)
2' x 2' x 46.8' RCB
30" x 23.87' RCP S end
30" x 14.37' RCP N end
Each end has 6.13' apron
D.A. = 15 Ac - R
(???)

Sta. 90+07.3
Skew 0°
3' x 3' x 49' RCB
42" x 21' RCP S end
42" x 6' RCP N end
Each end has 8' apron
D.A. = 38 Ac - R
(???)

Sta. 98+72.4
Skew 0°
3' x 2' x 51.8' RCB
36" x 17.67' flume S end
36" x 38' RCP S end
36" x 12.7' RCP N end
8' apron N end
D.A. = 18 Ac - R
(???)

0 100 FEET

Columbus TWP.
T-75N R-5W
SEC. 20

IA 92

-4%
-12%
-3.7%
Sta. +00.0
Prop. Type "C" Ent.

710 700 690 680 670 660 650

0.00%
+0.63%
-45.80%
+00 Lt. 689.50
-0.50% DGL
-0.340%
+75 Lt. 685.15
+50 Lt. 683.51
+58 Lt. 683.51
+75 Lt. 685.97
+00 Lt. 684.64
-2.19%
+2.1%
-0.59%
0%
+54 Rt. 682.50
+64 Rt. 682.50
+50 Rt. 682.95
-3.25% DGR
-1.47% DGR
+25 Rt. 674.00
VPI +50.000
Elv 687.14
Len 2000.00 ft
K = 2547
Dsn Speed = 60 mph +
-1.125%
+0.58% DGL
+75 Lt. 679.49
+20 Lt. 678.60
+00 Rt. 669.97
+01 Lt. 672.32
+87 Lt. 671.77
+40 Lt. 673.16
+50 Lt. 674.09
-44.70%
+2.17%
+37.76%
+90 Lt. 670.43
+96 Lt. 670.43
-1.94%
+70 Rt. 659.34
+05 Rt. 658.66
DGL
DGR

DITCH GRADE LEFT
DGR Ent.
UAC DITCH
3.7' DITCH
DITCH GRADE LEFT
DITCH GRADE RIGHT
3.7' DITCH
UAC DITCH
DGR

694.03 693.95 693.86 693.78 693.69 693.61 693.52 693.44 693.35 693.27 693.18 693.10 693.01 692.93 692.84 692.76 692.67 692.59 692.50 692.42 692.33 692.25 692.16 692.08 691.99 691.91 691.82 691.74 691.65 691.57 691.48 691.40 691.31 691.22 691.14 691.05 690.97 690.88 690.80 690.71 690.63 690.54 690.46 690.37 690.28 690.18 690.09 689.99 689.89 689.79 689.68 689.57 689.46 689.35 689.23 689.11 688.99 688.87 688.74 688.62 688.49 688.35 688.22 688.08 687.94 687.80 687.65 687.50 687.35 687.20 687.05 686.89 686.73 686.57 686.40 686.24 686.07 685.89 685.72 685.54 685.36 685.18 685.00 684.81 684.62 684.43 684.23 684.04 683.84 683.64 683.43 683.23 683.02 682.81 682.59 682.38 682.16 681.94 681.71 681.49 681.26 681.03 680.79 680.56 680.32 680.08 679.83 679.59 679.34 679.09 678.84 678.58 678.32 678.06 677.80 677.53 677.27 677.00 676.72 676.45

1635 1640 1645 1650 1655 1660

FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER D.8

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Columbus TWP.
T-75N R-5W
SEC. 20

1665 1670 1675 1680 1685 1690

24" Steel Pipe Under RR U.A.C.

X Ave. (CLOSE)

42" x 30' R.C.P. (???)

60" RCP Under RR U.A.C.

48" CMP Under RR U.A.C.

+53 Prop. Type "C" Ent. W=30'

36" x 50' Plastic (UAC)

36" x 64' Plastic (UAC)

66" CMP Under RR U.A.C.

IA 92

24" x 73' R.C.P. (REMOVE)

Sta. 111+74.0
Skew 0°
4' x 3' x 50.6' RCB
48" x 24' RCP S end
8' apron S end
No pipe N end 8' apron
D.A. = 250 Ac - R
(???)

Sta. 119+24.8
Skew 0°
4' x 3' x 49.1' RCB
48" x 22' RCP S end
48" x 6.5' RCP N end
Each end has 8' aprons
D.A. = 22 Ac - R
(???)

Sta. 126+87.0
Skew 0°
5' x 5' x 40.5' RCB
66" x 18.25' RCP S end
66" x 17.25' RCP N end
Each end has 8.25' apron
D.A. = 48 Ac - R
(???)

Columbus TWP.
T-75N R-5W
SEC. 20

0 100 FEET

IA 92

Sta. +53.0
Prop. Type "C" Ent.

VPI +50.000
Elv 671.39
Len 300.00 ft
K = 438
Dsn Speed = 60 mph +

-1.125%

-1.27% DGL

+80 Lt. 665.66

+50 Lt. 663.50

-0.21%

-1.67%

+05 Rt. 654.84

+34 Rt. 654.78

+70 Rt. 654.18

-0.440%

+45 Lt. 655.90

+50 Lt. 655.90

+10 Rt. 651.47

FLL

-0.30% DGR

+15 Rt. 651.16

+20 Lt. 658.39

-0.68% DGL

+85 Lt. 657.94

VPI +70.000
Elv 660.29
Len 300.00 ft
K = 951
Dsn Speed = 60 mph +

+00 Lt. 655.60

+15 Lt. 654.99

-32.82% Lt.

0%

FLR

+34.37%

+0.20%

+05 Lt. 653.96

+12 Lt. 653.96

+00 Rt. 648.20

+10 Rt. 648.20

690 680 670 660 650 640 630

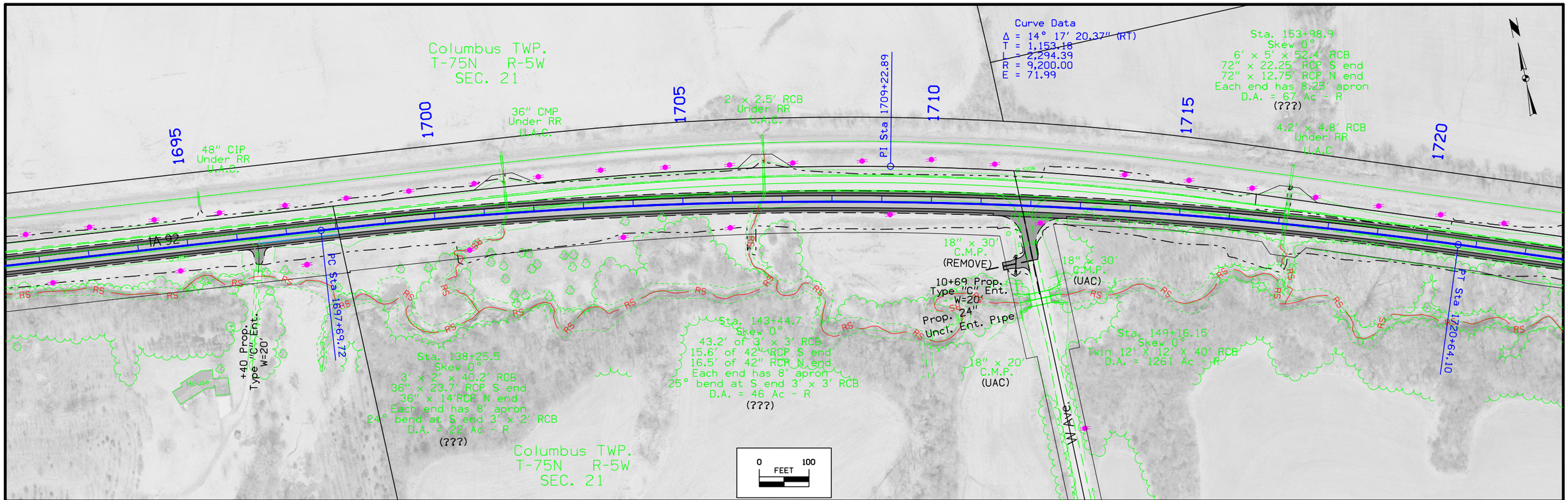
Lt: 3.7% DITCH | UAC DITCH | DGL/SR | UAC DITCH | DGL | UAC DITCH | DGL | UAC DITCH | Ent. DGL | UAC DITCH | DGL
Rt: UAC DITCH | DGR | UAC DITCH | DGR | UAC DITCH | DGR | UAC DITCH

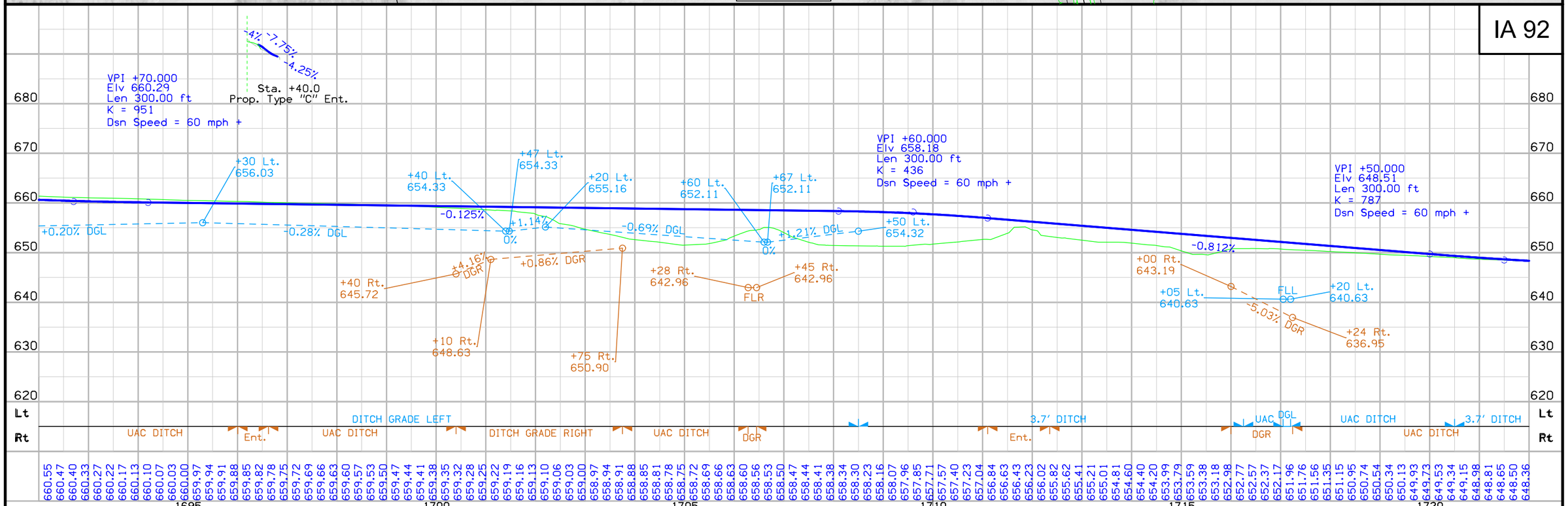
676.17 675.89 675.61 675.33 675.05 674.77 674.48 674.20 673.92 673.64 673.36 673.08 672.80 672.54 672.30 672.07 671.85 671.65 671.46 671.28 671.12 670.98 670.85 670.73 670.62 670.51 670.40 670.29 670.18 670.07 669.96 669.85 669.74 669.63 669.52 669.41 669.30 669.19 669.08 668.97 668.86 668.75 668.64 668.53 668.42 668.31 668.20 668.09 667.98 667.87 667.76 667.65 667.54 667.43 667.32 667.21 667.10 666.99 666.88 666.77 666.66 666.55 666.44 666.32 666.21 666.10 665.99 665.88 665.77 665.66 665.55 665.44 665.33 665.22 665.11 665.00 664.89 664.78 664.67 664.56 664.45 664.34 664.23 664.12 664.01 663.90 663.79 663.68 663.57 663.46 663.35 663.24 663.13 663.02 662.91 662.80 662.69 662.58 662.47 662.36 662.25 662.14 662.03 661.92 661.81 661.70 661.59 661.48 661.37 661.26 661.15 661.04 660.93 660.82 660.73 660.63 660.55 660.47 660.40 660.33

1665 1670 1675 1680 1685 1690

FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER D.9

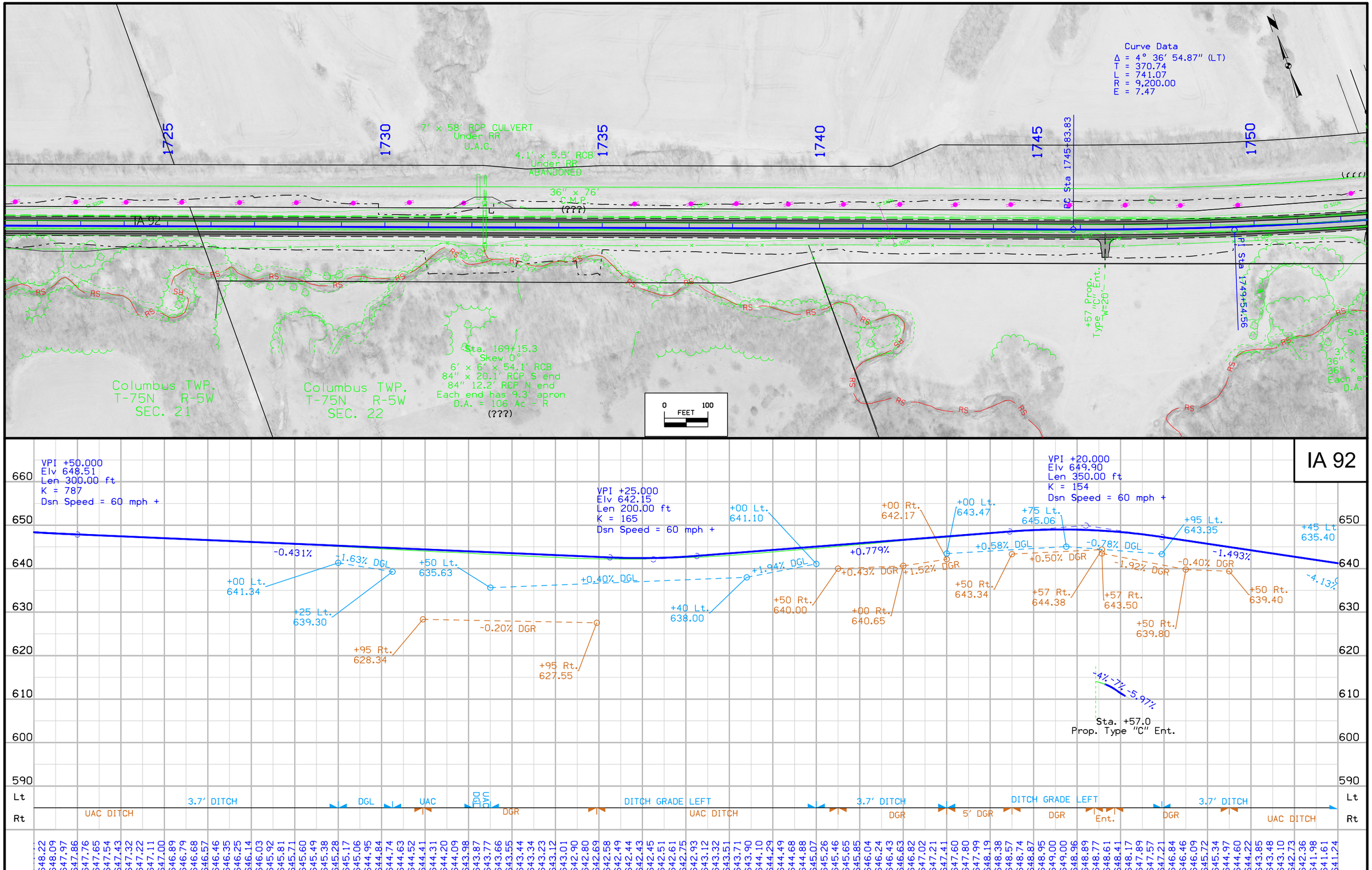
4:38:33 PM 8/26/2020 raltenh pw:\\ntPwInt1.dot.int.lan:PWMain\Documents\Projects\9209201085\Design\CADD Files\SHT\92092057_D2.dgn





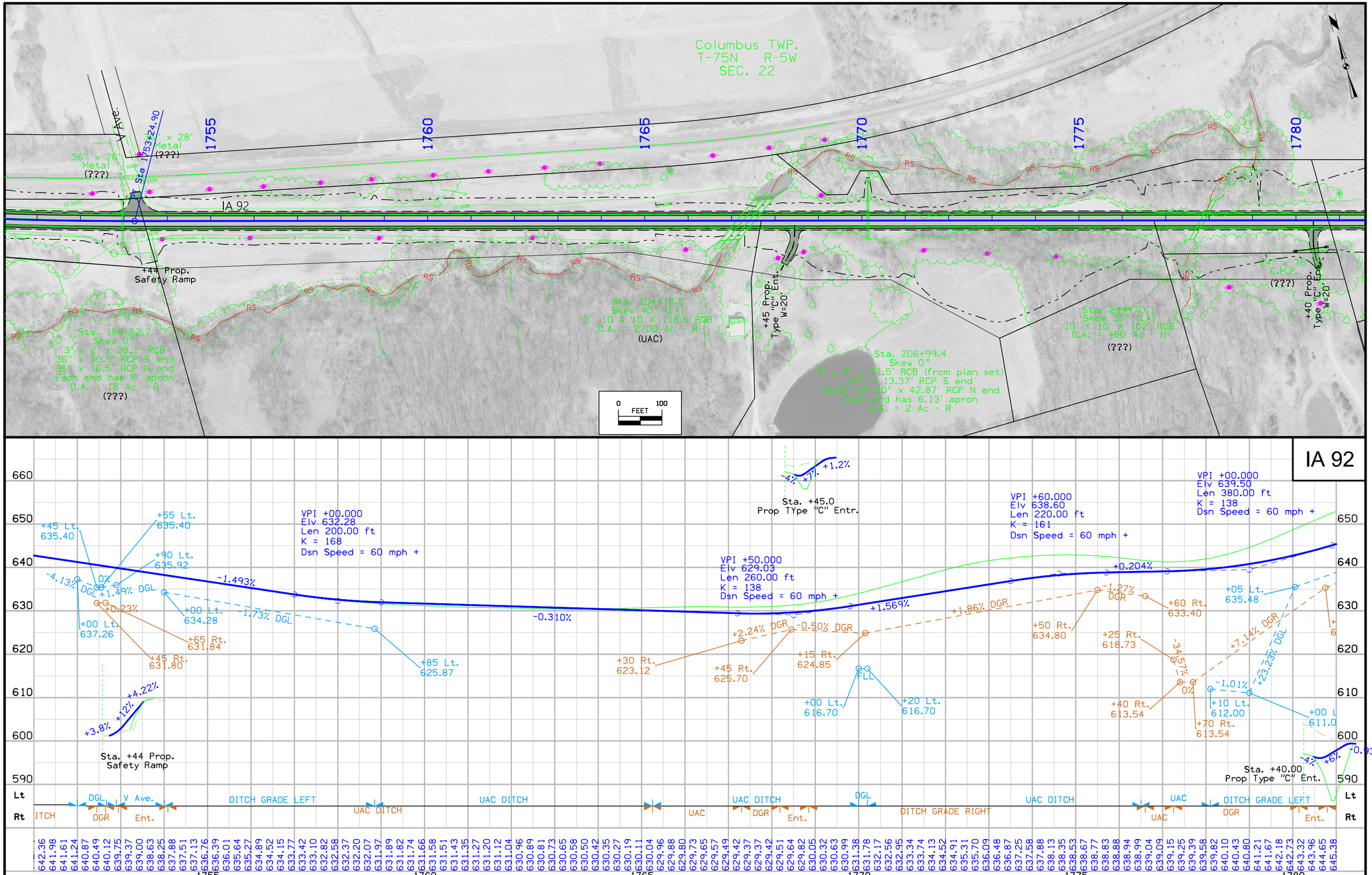
FILE NO.	ENGLISH	DESIGN TEAM	COUNTY	PROJECT NUMBER	SHEET NUMBER
		Jia \ Miller \ Altenhofen	WASHINGTON	NHSX-092-9(57)--3H-92	D.10

1:20:40 PM 7/31/2020 raltenh pw:\\ntPwInt1.dot.int.lan:PWMain\Documents\Projects\9209201085\Design\CADD Files\SHT\92092057_D2.dgn



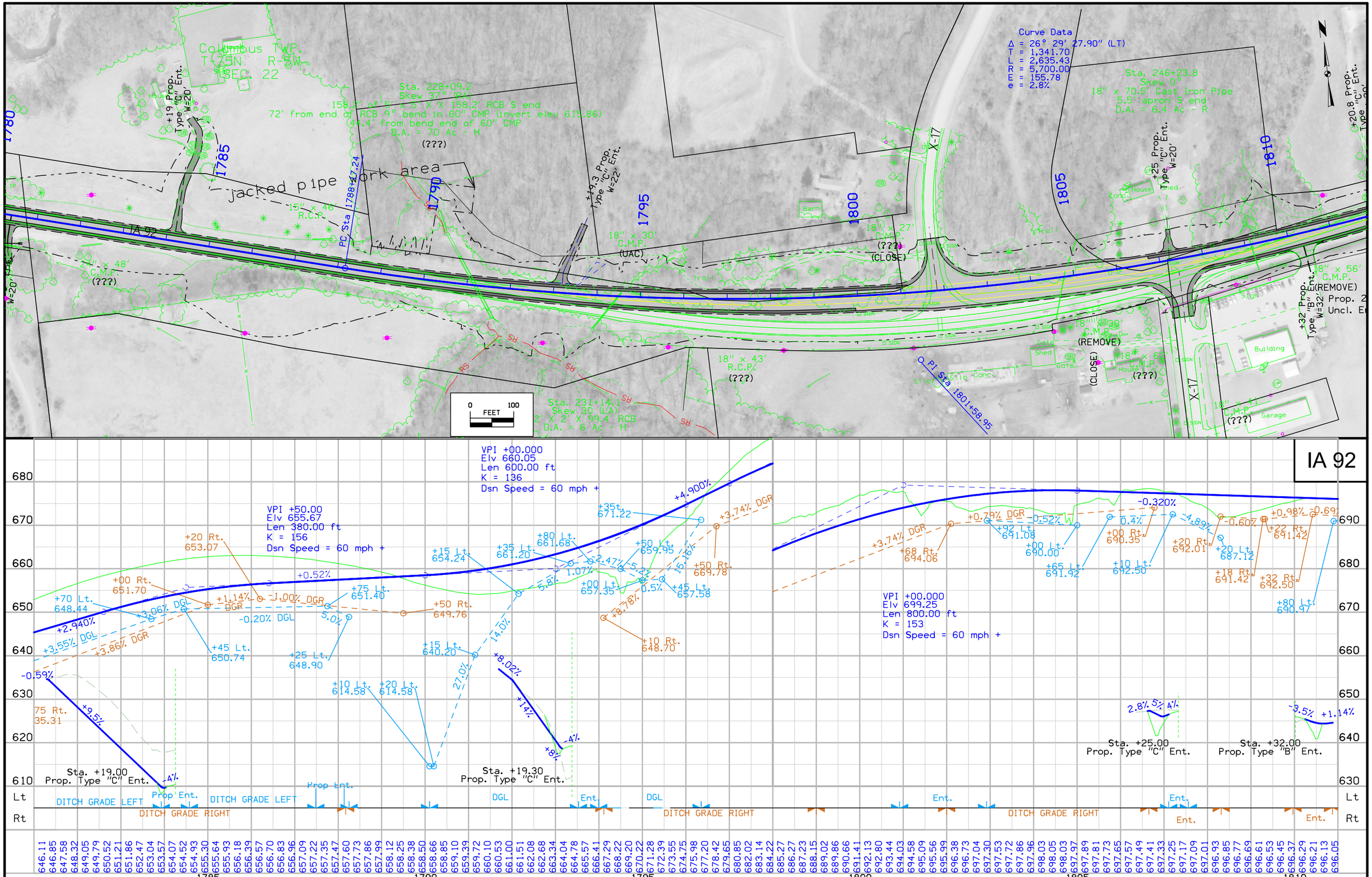
FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER D.11

1:21:05 PM 7/31/2020 raltenh pw:\\ntPwInt1.dot.int.lan:PWMain\Documents\Projects\9209201085\Design\CADD Files\SHT\92092057_D2.dgn



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER D.12

1:21:30 PM 7/31/2020 raltenh pw:\\ntPwInt1.dot.int.lan:PWMain\Documents\Projects\9209201085\Design\CADD Files\SHT\92092057_D2.dgn



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER D.13

8:08:21 AM 8/28/2020 adewolf pw:\\ntPwInt1.dot.int.lan:PWMain\Documents\Projects\9209201085\Design\CADD Files\SHT\92092057_D2.dgn

Columbus TWP.
T-75N R-5W
SEC. 22

Sta. 263+78.4
Skew 0°
2' x 2' x 50.4' RCB
30" x 36.9' RCP S end
30" x 14.4' RCP N end
Each end has 6.13' apron
D.A. = 2 Ac - R
(???)

Curve Data
Δ = 11° 04' 51.64" (RT)
T = 277.91
L = 554.09
R = 2,865.00
e = 13.45
4.6%

Sta. 268+42.7
Skew 0°
51.8' of 2' x 2' x 51.8' RCB
S end 30" x 11.5' Flume to outlet pipe
30" x 7.14' RCP (vert bend El. 672.38')
30" x 29' RCP to RCB
30" x 16.37' RCP from RCB N end
with 6.13' apron
D.A. = 4 Ac - R
(???)

+20.8 Prop. Type "C" Ent. W=20'
+77 Prop. Type "C" Ent. W=20'
+25.90 Prop. Type "C" Ent. W=20'
+38 Prop. Type "C" Ent. W=20'
+00 Prop. Type "C" Ent. W=20'
+13.4 Prop. Type "C" Ent. W=20'
+50 Prop. Type "C" Ent. W=20'
+85.5 Prop. Type "B" Ent. W=45'
+51 Prop. Type "C" Ent. W=25'

Prop. 24" Uncl. Ent. Pipe (REMOVE)
Prop. 18" Uncl. Ent. Pipe (REMOVE)
18" x 46' C.M.P. (REMOVE)
18" x 33' C.M.P. (REMOVE)
15" x 20' C.M.P. (REMOVE)
18" x 104' C.M.P. (REMOVE)
15" x 31' C.M.P. (REMOVE)
6" x 62' Steel Uncl. Ent. Pipe (REMOVE)

PT Sta 1814+52.68
Sta 181?+42.22
Sta 1820+96.31

Canopy
Shed
House
Barn
Garage
Ruin
Orchard
Fence
Power Pole
Sign

0 100 FEET

IA 92

VPI +75.000
Elv 692.93
Len 450.00 ft
K = 548
Dsn Speed = 60 mph +

VPI +20.000
Elv 674.18
Len 510.00 ft
K = 136
Dsn Speed = 60 mph +

Sta. +20.8 Lt./Rt.
Prop. Type "C" Ent.

Sta. +77.00
Prop. Type "C" Ent.

Sta. +85.00
Prop. Type "B" Ent.

Sta. +25.90
Prop. Type "C" Ent.

Sta. +38.0
Prop. Type "C" Ent.

Sta. +51.10
Prop. Type "C" Ent.

Sta. +00.00
Prop. Type "C" Ent.

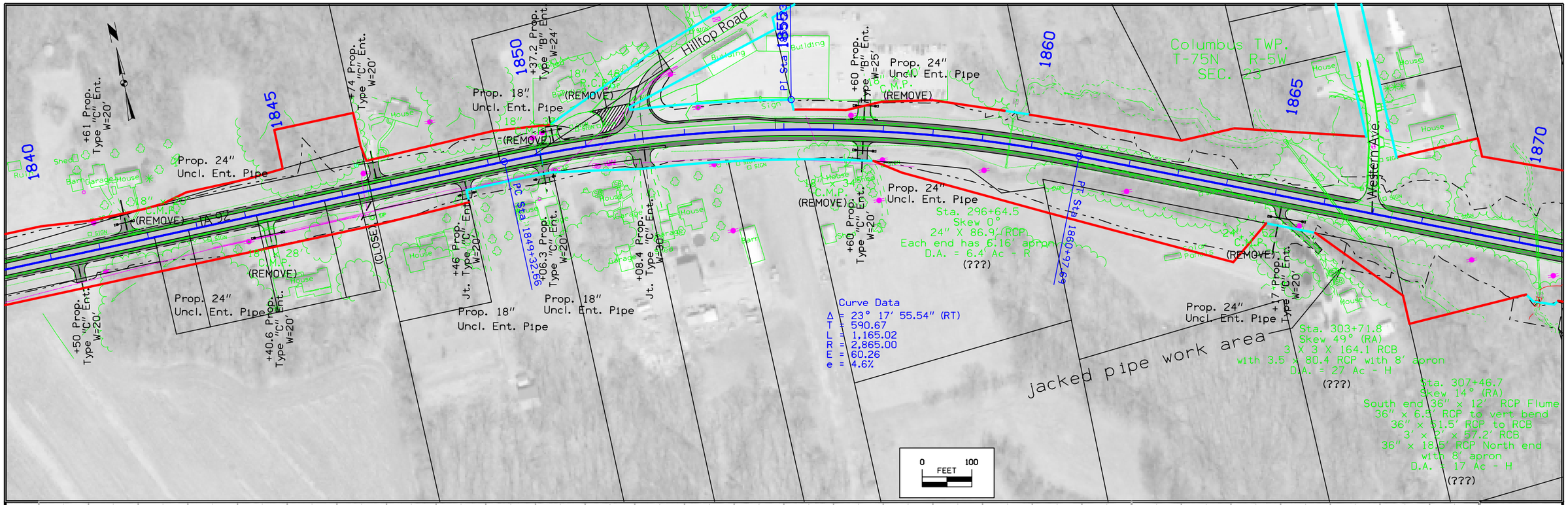
Sta. +13.40
Prop. Type "C" Ent.

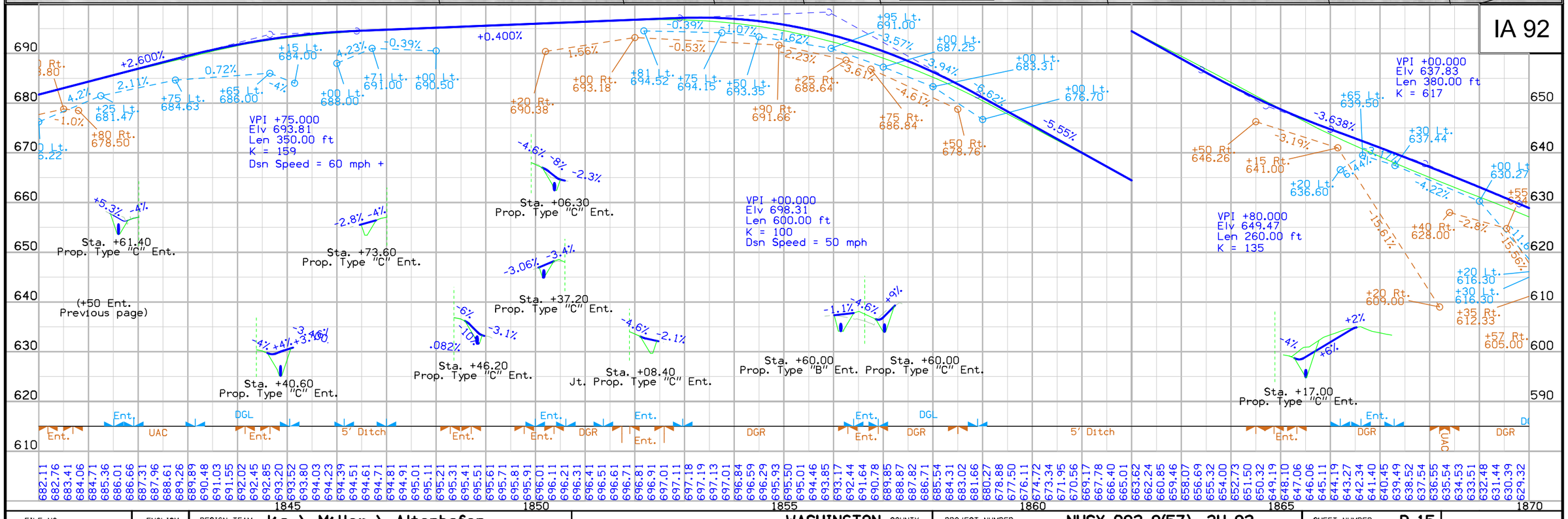
Sta. +50.00
Prop. Type "C" Ent.

DGL
DITCH GRADE LEFT
DGR
UAC
5' Ditch
DITCH GRADE RIGHT

FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER D.14

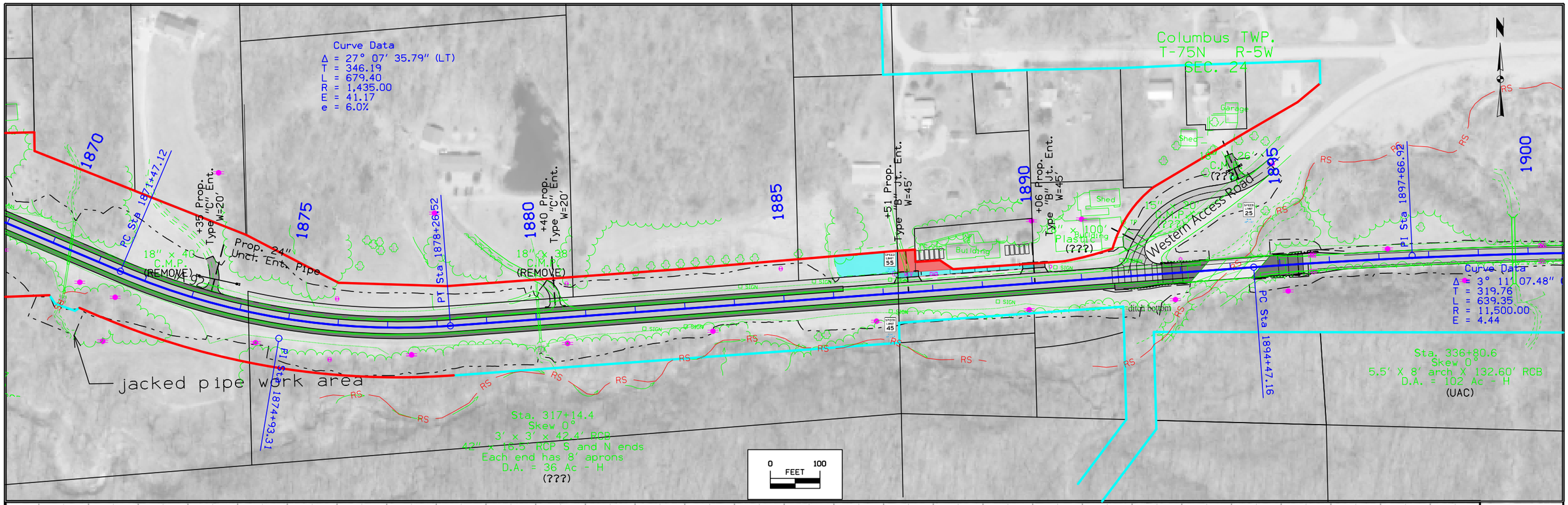
1:21:58 PM 7/31/2020 raltenh pw:\\ntPwInt1.dot.int.lan:PWMain\Documents\Projects\9209201085\Design\CADD Files\SHT\92092057_D2.dgn

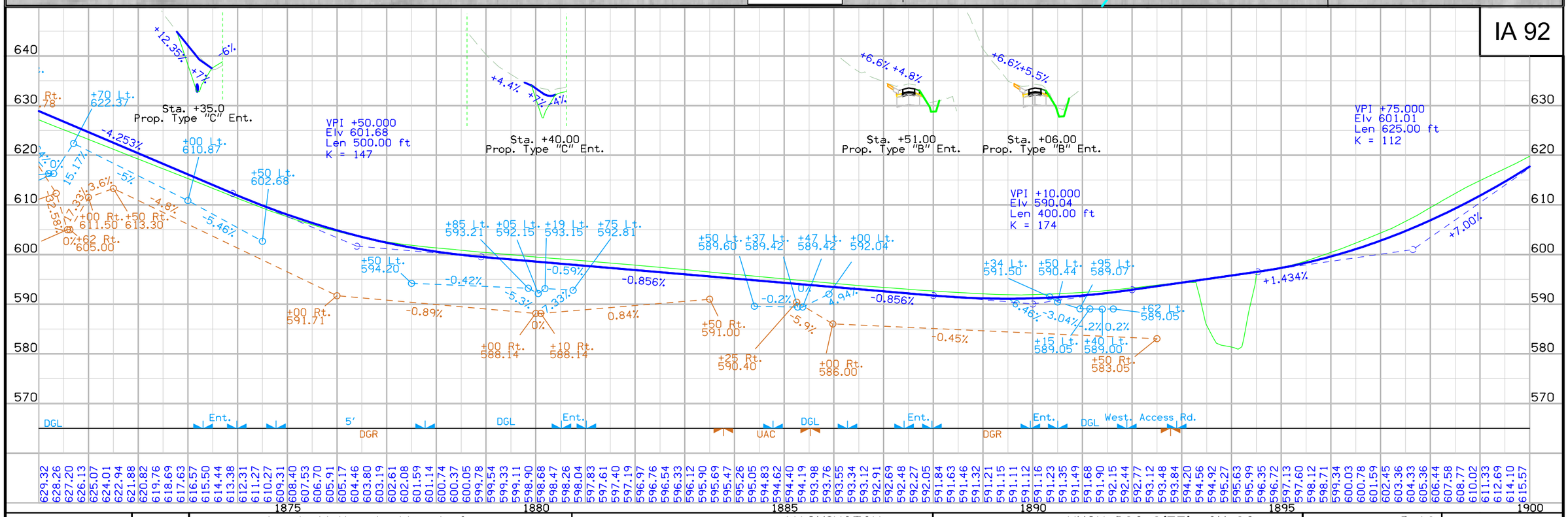




FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER D.15

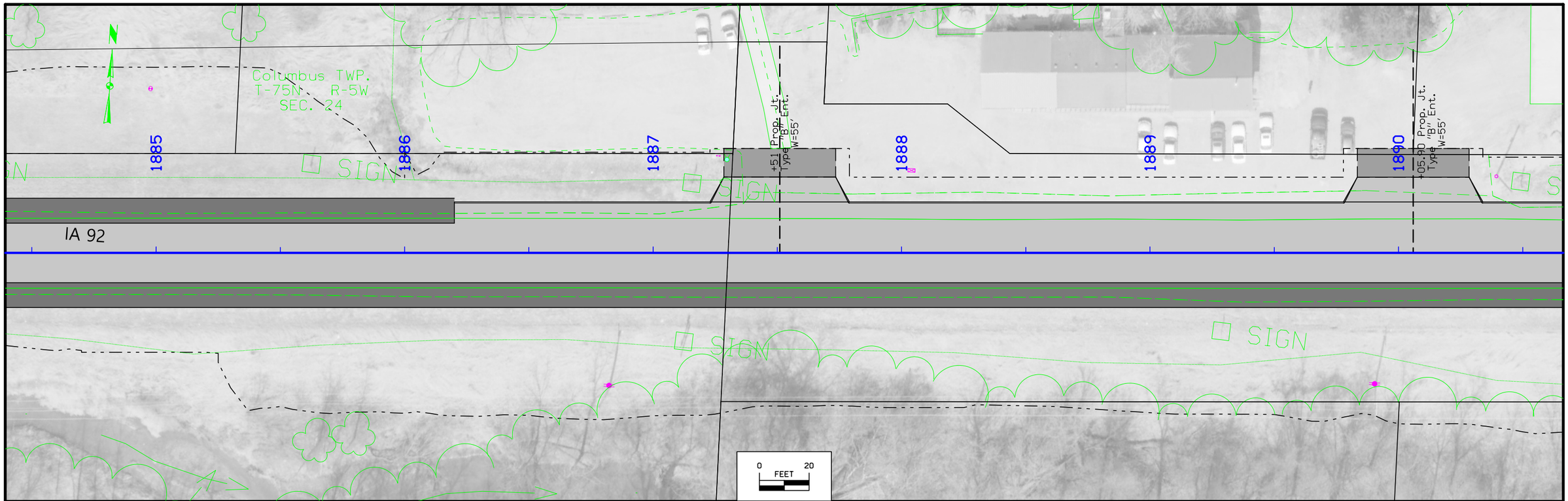
2:50:26 PM 8/27/2020 raltenh pw:\\ntPwInt1.dot.int.lan:PWMain\Documents\Projects\9209201085\Design\CADD Files\SHT\92092057_D2.dgn





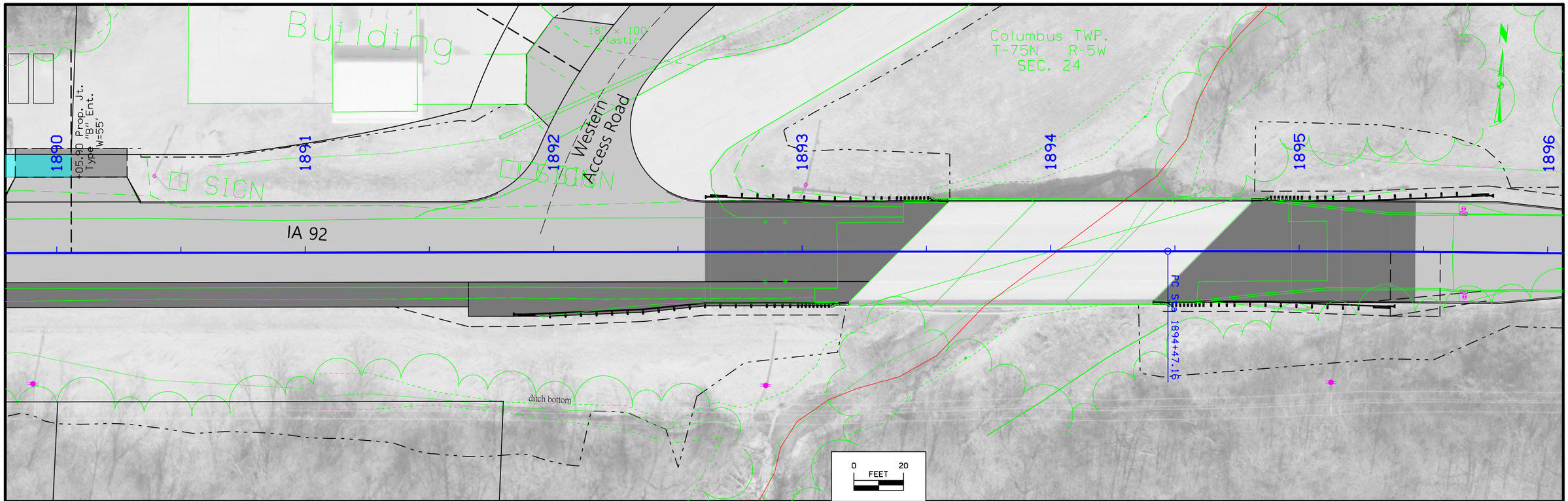
FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER D.16

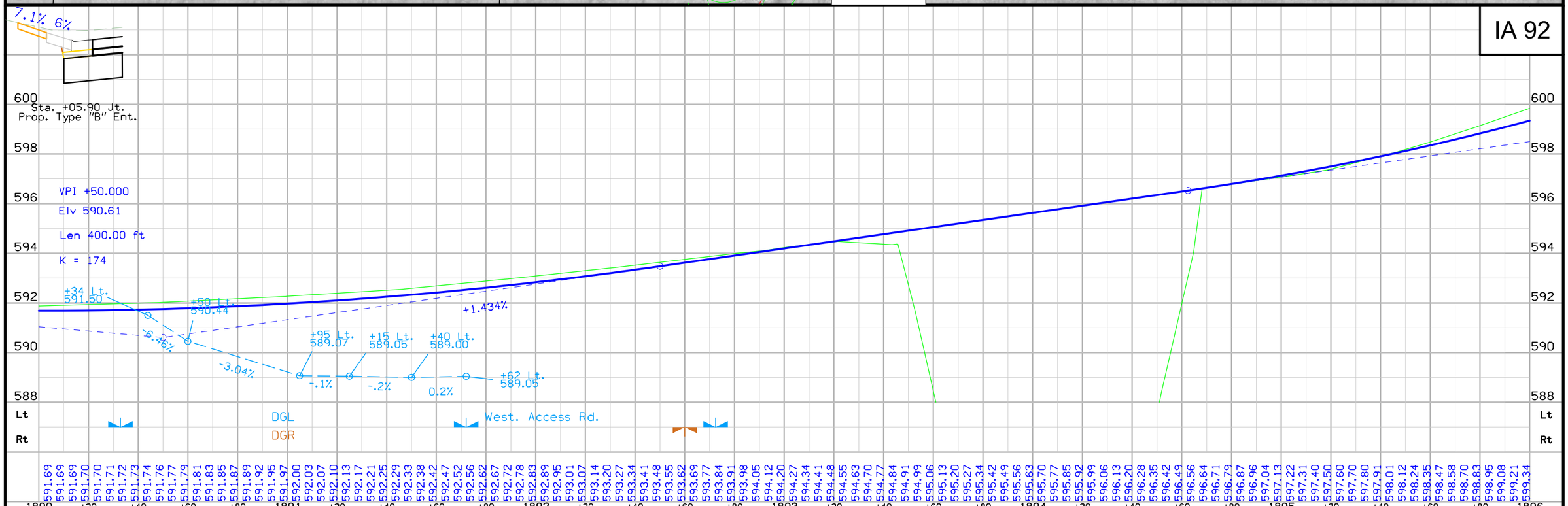
8:31:20 AM 8/27/2020 raltenh pw:\\ntPwIntl.dot.int.lan:PWMain\Documents\Projects\9209201085\Design\CADD Files\SHT\92092057_D2.dgn



FILE NO.	ENGLISH	DESIGN TEAM	Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER	NHSX-092-9(57)--3H-92	SHEET NUMBER	D.17

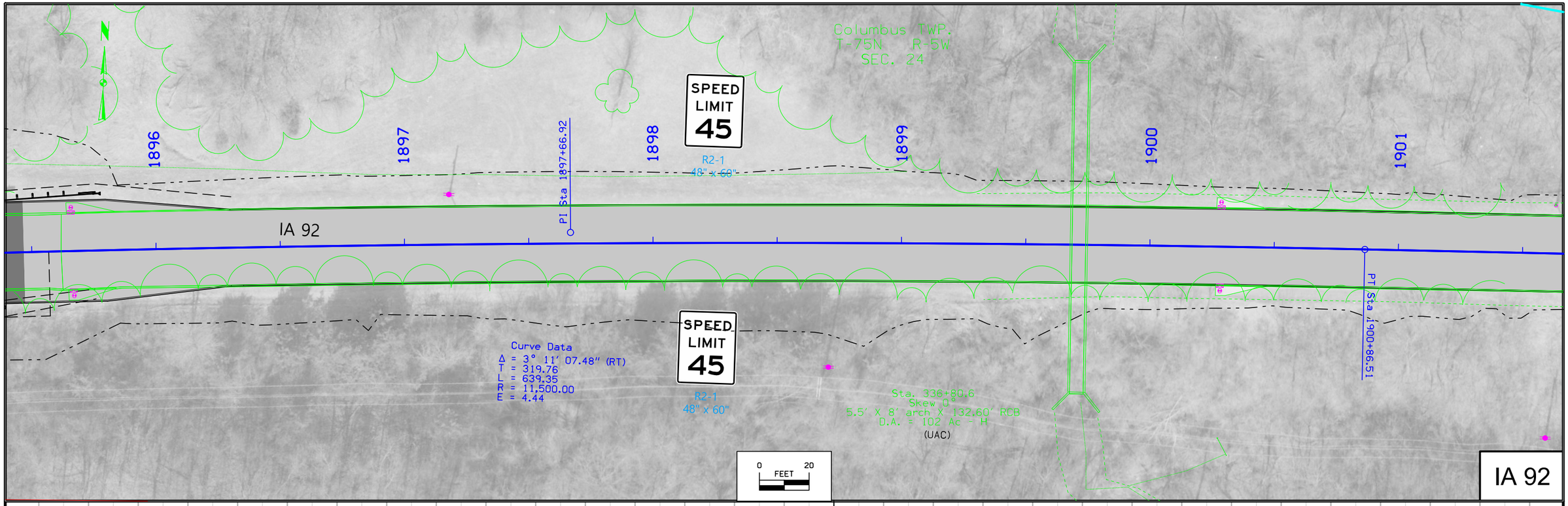
1:22:26 PM 7/31/2020 raltenh pw:\\ntPwInt1.dot.int.lan:PWMain\Documents\Projects\9209201085\Design\CADD Files\SHT\92092057_D2.dgn

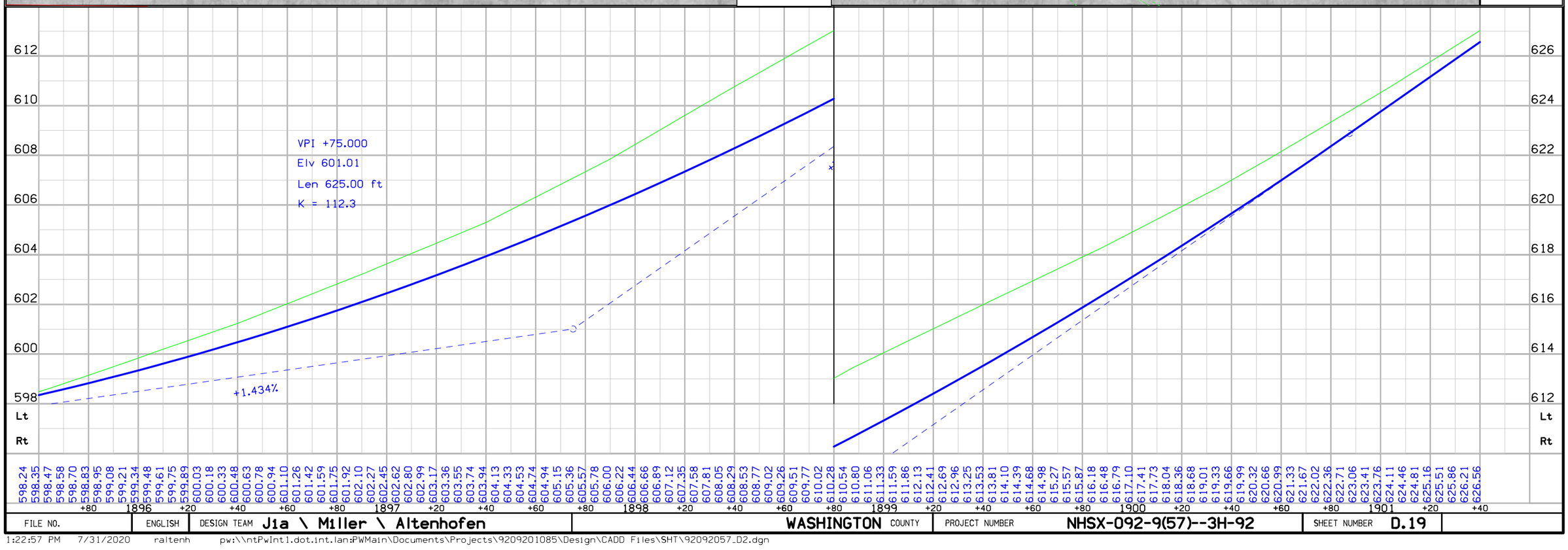




FILE NO.	ENGLISH	DESIGN TEAM	COUNTY	PROJECT NUMBER	SHEET NUMBER
		J1a \ Miller \ Altenhofen	WASHINGTON	NHSX-092-9(57)--3H-92	D.18

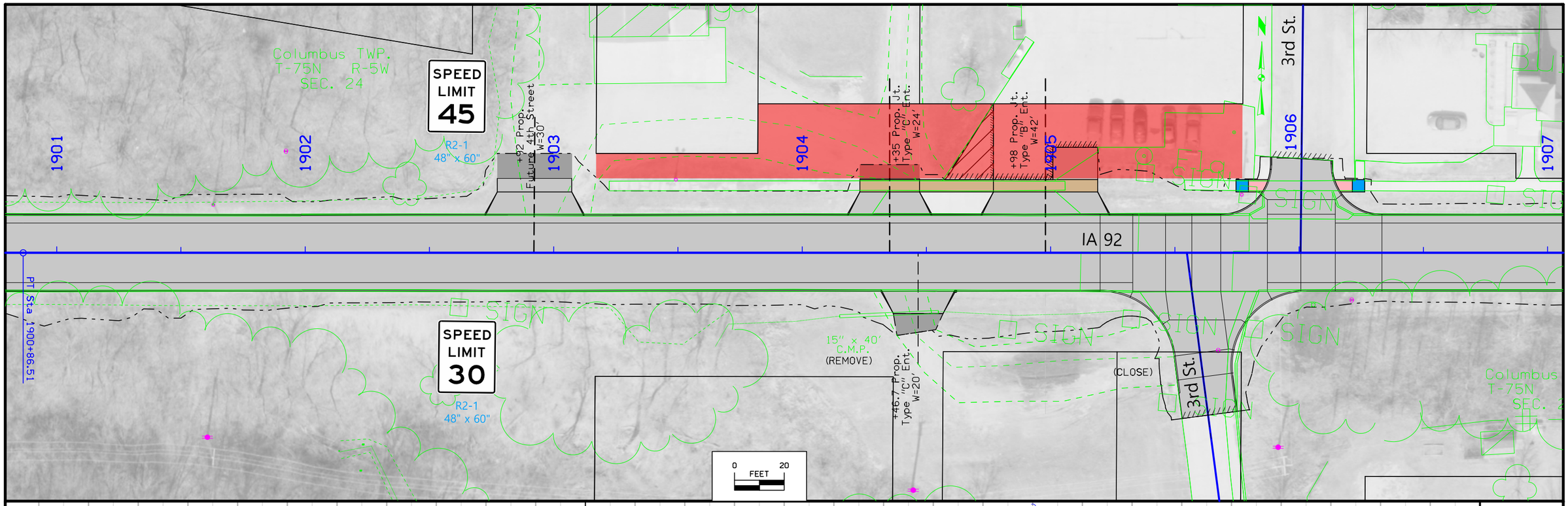
1:22:45 PM 7/31/2020 raltenh pw:\\ntPwInt1.dot.int.lan:PWMain\Documents\Projects\9209201085\Design\CADD Files\SHT\92092057_D2.dgn

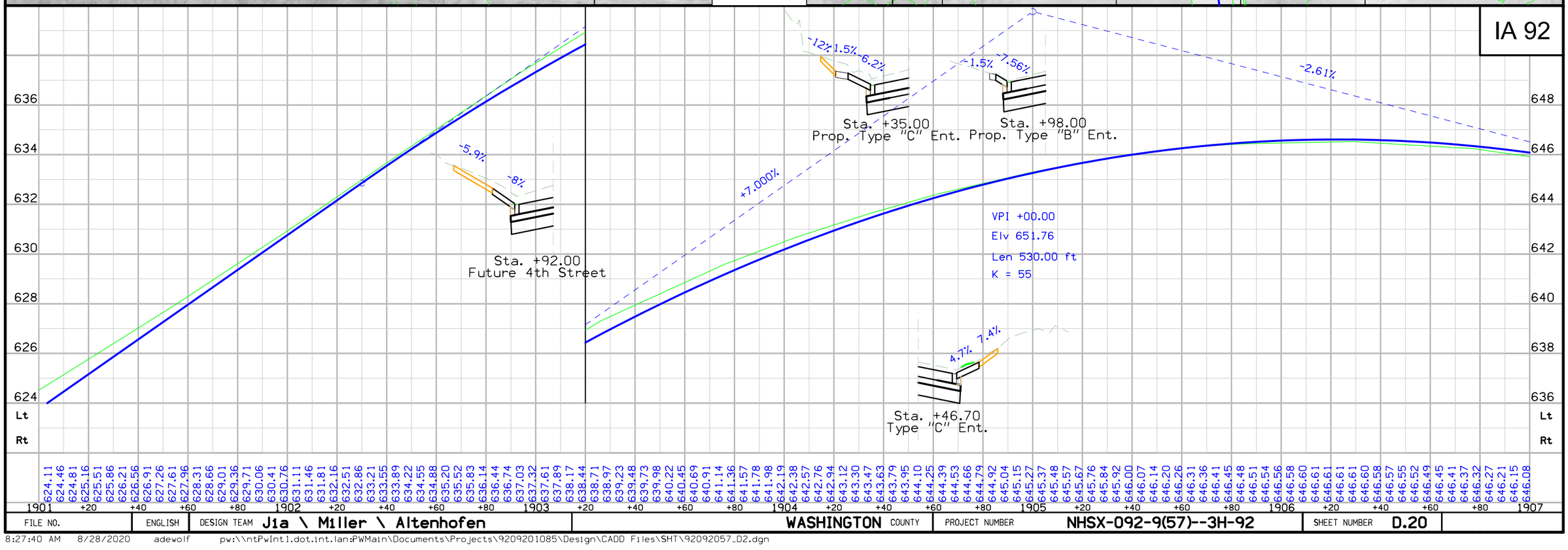




FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER D.19

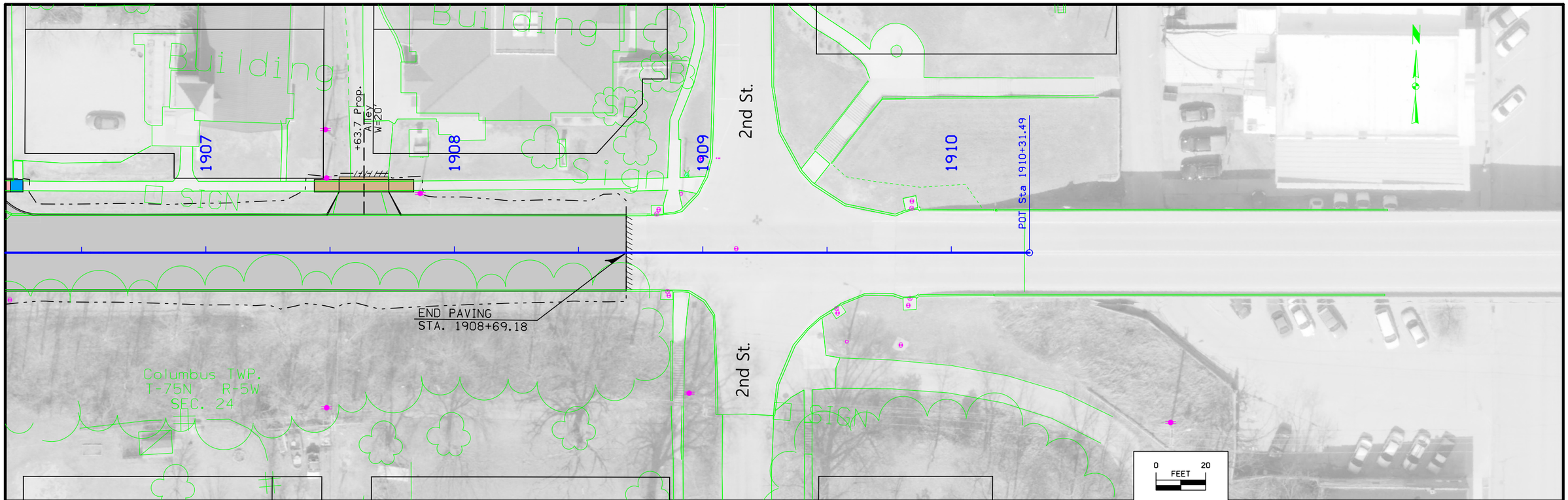
1:22:57 PM 7/31/2020 raltenh pw:\\ntPwInt1.dot.int.lan:PWMain\Documents\Projects\9209201085\Design\CADD Files\SHT\92092057_D2.dgn



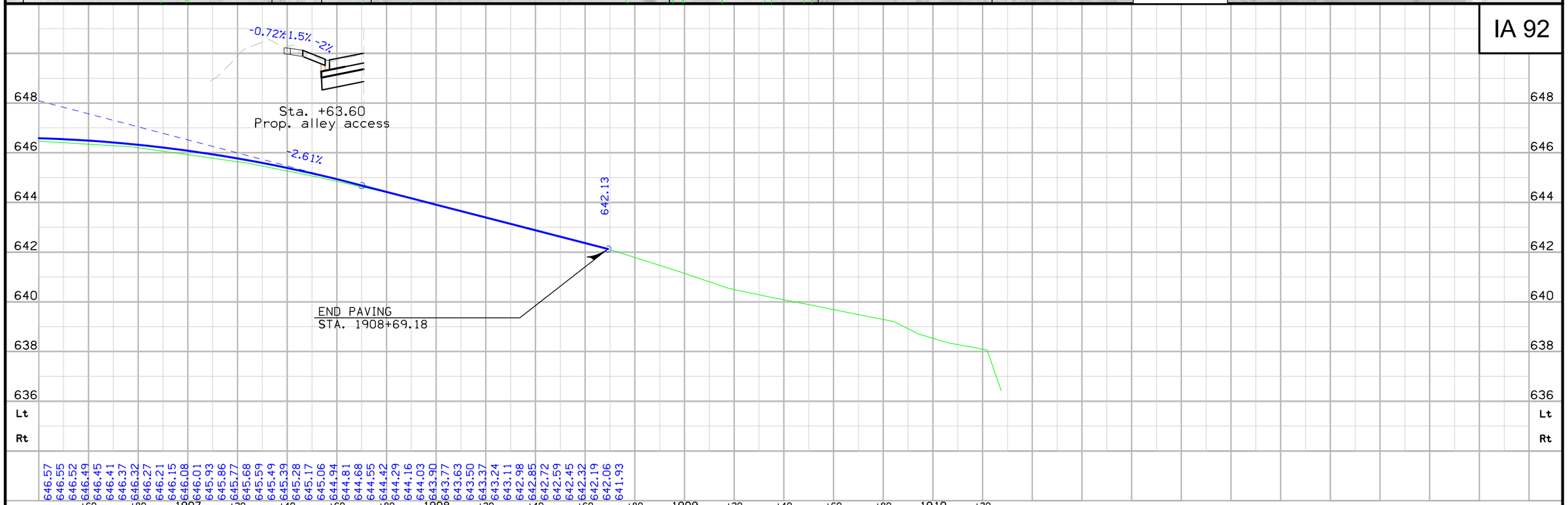


FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER D.20

8:27:40 AM 8/28/2020 adewolf pw:\\ntPwInt1.dot.int.lan:PWMain\Documents\Projects\9209201085\Design\CADD Files\SHT\92092057_D2.dgn

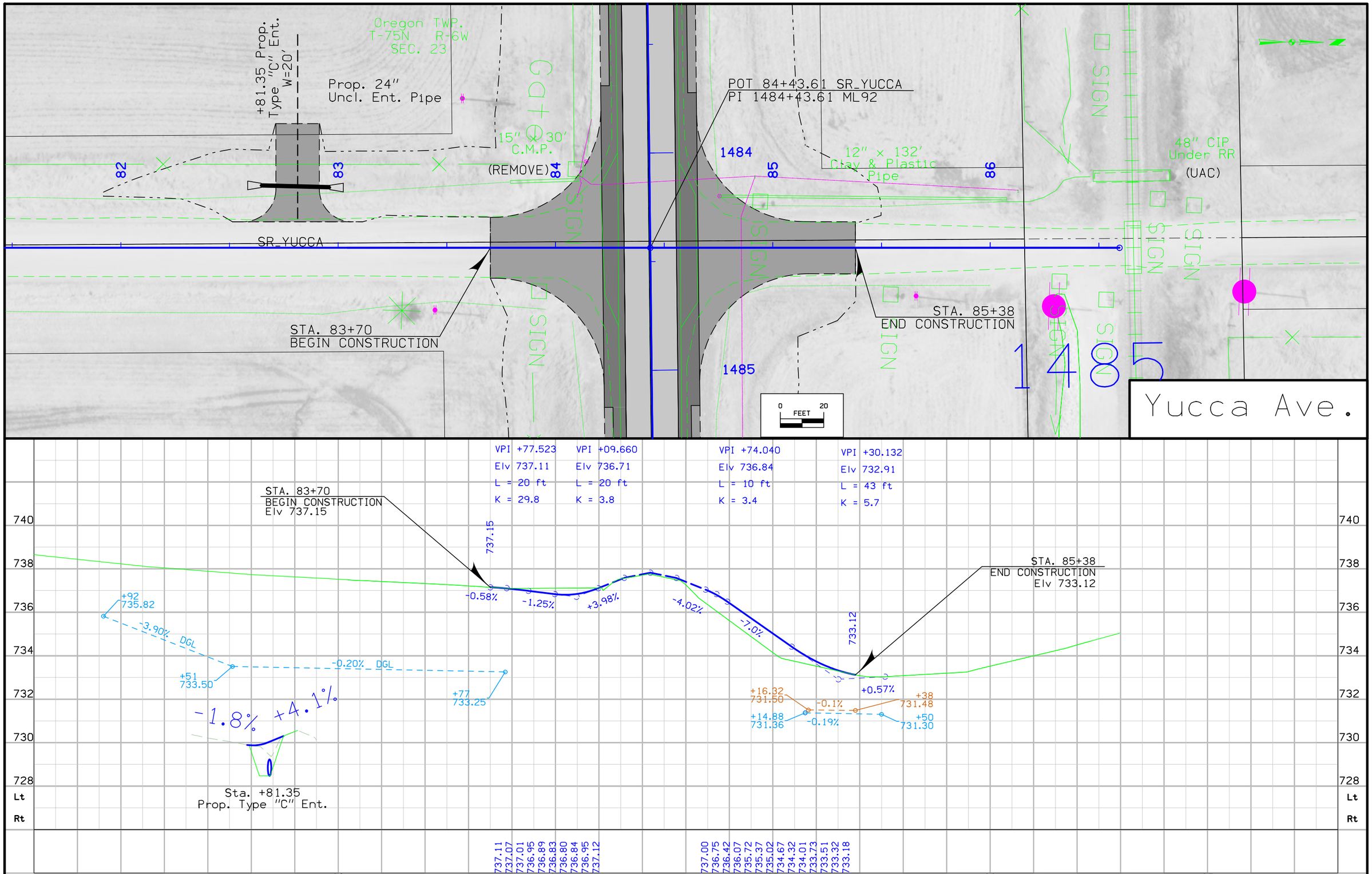


IA 92



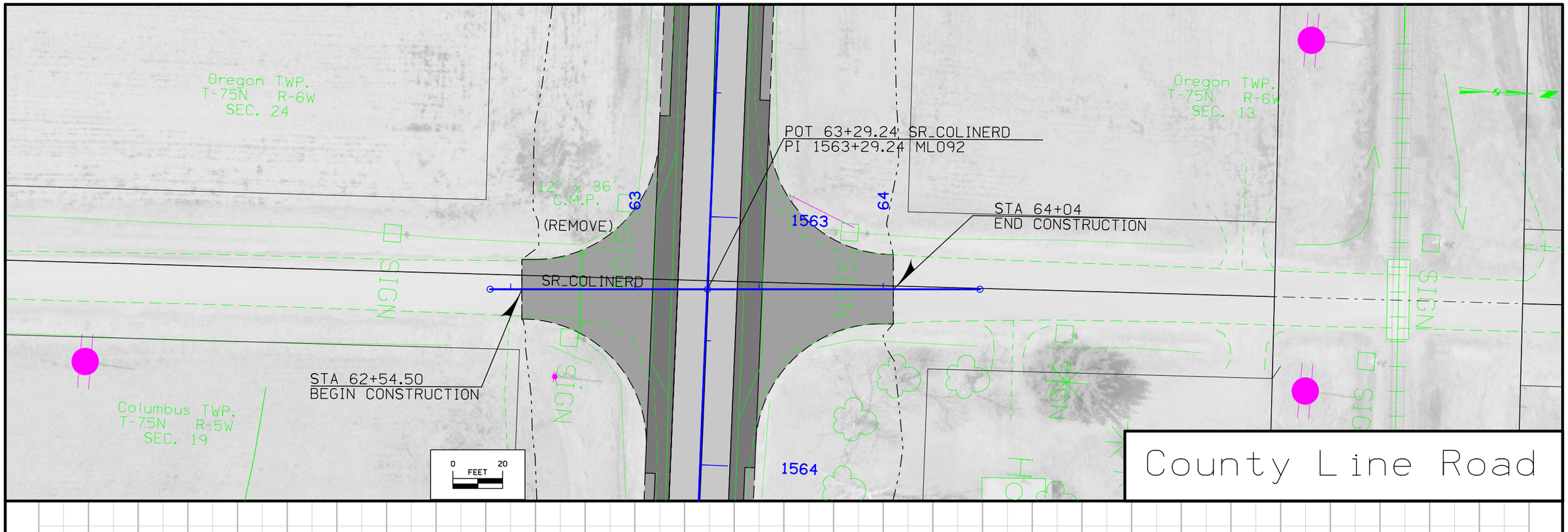
FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER D.21

1:23:13 PM 7/31/2020 raltenh pw:\\ntPwInt1.dot.int.lan:PWMain\Documents\Projects\9209201085\Design\CADD Files\SHT\92092057_D2.dgn



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER E.1

3:27:15 PM 8/27/2020 adewolf pw:\\ntPwInt1.dot.int.lan:PWMain\Documents\Projects\9209201085\Design\CADD Files\SHT\92092057_E01.dgn



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER E.2

2:32:52 PM 7/31/2020 raltenh pw:\\ntPwInt1.dot.int.lan:PWMain\Documents\Projects\9209201085\Design\CADD Files\SHT\92092057_E01.dgn

Columbus TWP.
T-75N R-5W
SEC. 19

POT 7+51.52 SR_W66
PI 1617+51.52 ML092

STA 8+22.86
END CONSTRUCTION

STA 6+65.42
BEGIN CONSTRUCTION

SR_W66

1617

1618

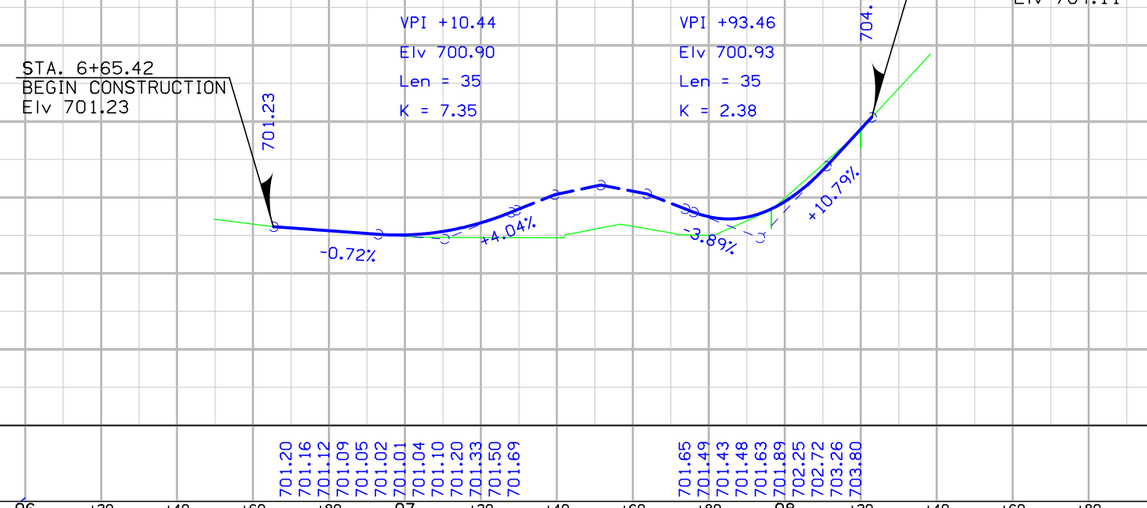
Sta. 54+42.6
Skew 0°
6' X 6' X 57' RCB
D.A. = 224 Ac - R
(UAC)

UAC Rails
Do Not Disturb Tracks

Columbus TWP.
T-75N R-5W
SEC. 20

0 FEET 20

Co. Rd. W66



FILE NO.	ENGLISH	DESIGN TEAM	Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER	NHSX-092-9(57)--3H-92	SHEET NUMBER	E.3

2:36:31 PM 7/31/2020 raltenh pw:\\ntPwInt1.dot.int.lan:PWMain\Documents\Projects\9209201085\Design\CADD Files\SHT\92092057_E01.dgn

Columbus TWP.
T-75N R-5W
SEC. 21

18" x 20' C.M.P. (UAC)

18" x 30' C.M.P. (UAC)

10+69 Prop. Type "C" Ent. W=20'

POT 11+81.51 W Ave.
PI 1711+81.51 MLO92

Prop. 24" Uncl. Ent. Pipe

POT Sta 10+94.40

POT Sta 11+81.51

SR_WAVE

STA. 10+68.98
BEGIN CONSTRUCTION

Sta. 149+16.15
Skew 0°
Twin 12' X 12' X 40' RCB
D.A. = 1261 Ac - R
(UAC)

18" x 30' C.M.P. (UAC)

1711

1712

SIGN

STA. 11+58.54
END CONSTRUCTION

0 FEET 20

W Ave.

+3.75%

Sta. +69.00
Prop. Type "C" Ent.

VPI +83.39
Elv 652.62
L = 25
K = 9.3

STA. 10+68.98
BEGIN CONSTRUCTION
Elv 652.42

652.42

+1.382%

+4.078%

655.68

STA. 11+58.54
END CONSTRUCTION
Elv 655.68

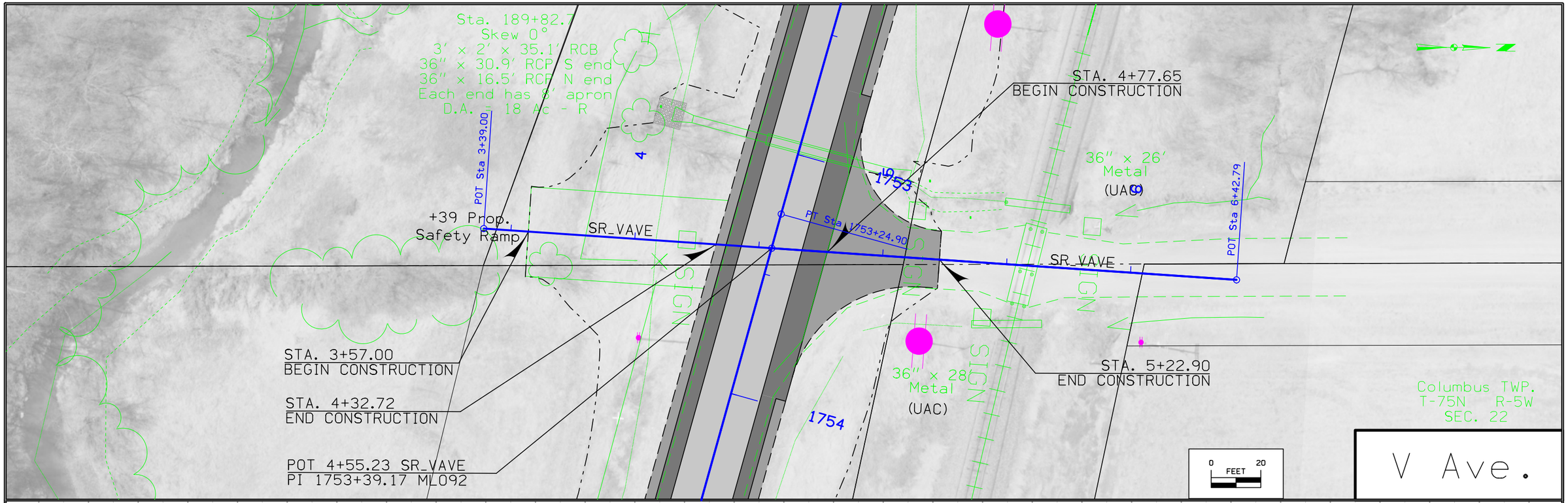
660
658
656
654
652
650
Lt
Rt

652.61 653.29 654.11 654.92 655.74 656.35 655.94

09 +20 +40 +60 +80 10 +20 +40 +60 +80 11 +20 +40 +60 +80 12 +20 +40 +60 +80 13

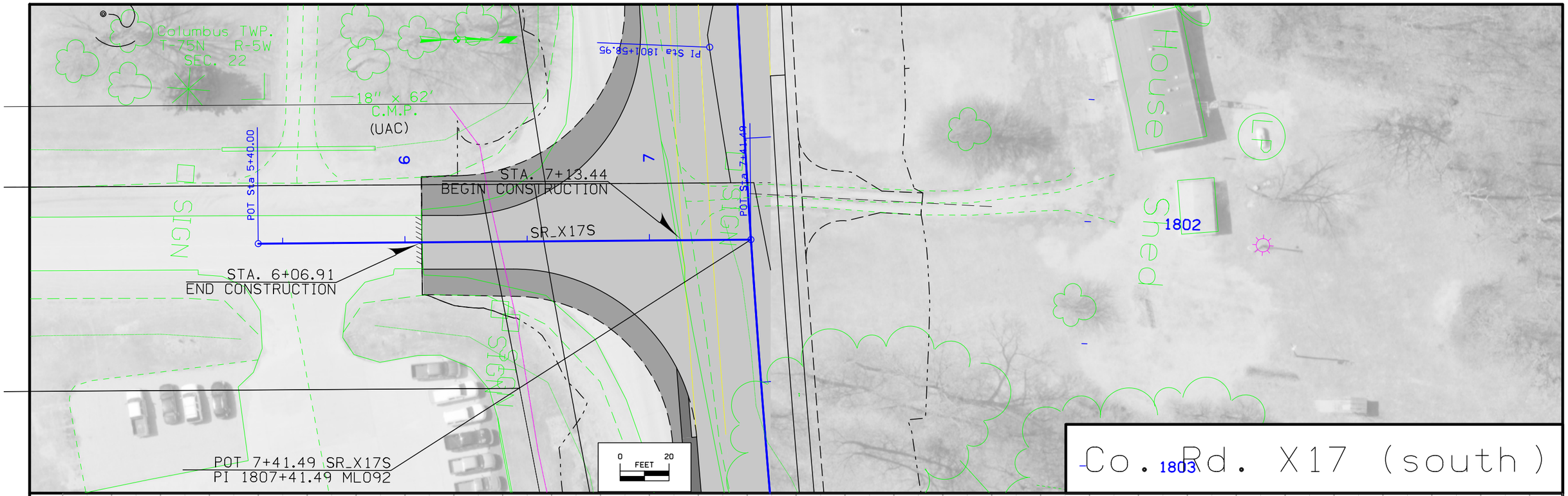
FILE NO.	ENGLISH	DESIGN TEAM J1a \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER E.4

3:38:29 PM 8/27/2020 adewolf pw:\\ntPwInt1.dot.int.lan:PWMain\Documents\Projects\9209201085\Design\CADD Files\SHT\92092057_E01.dgn



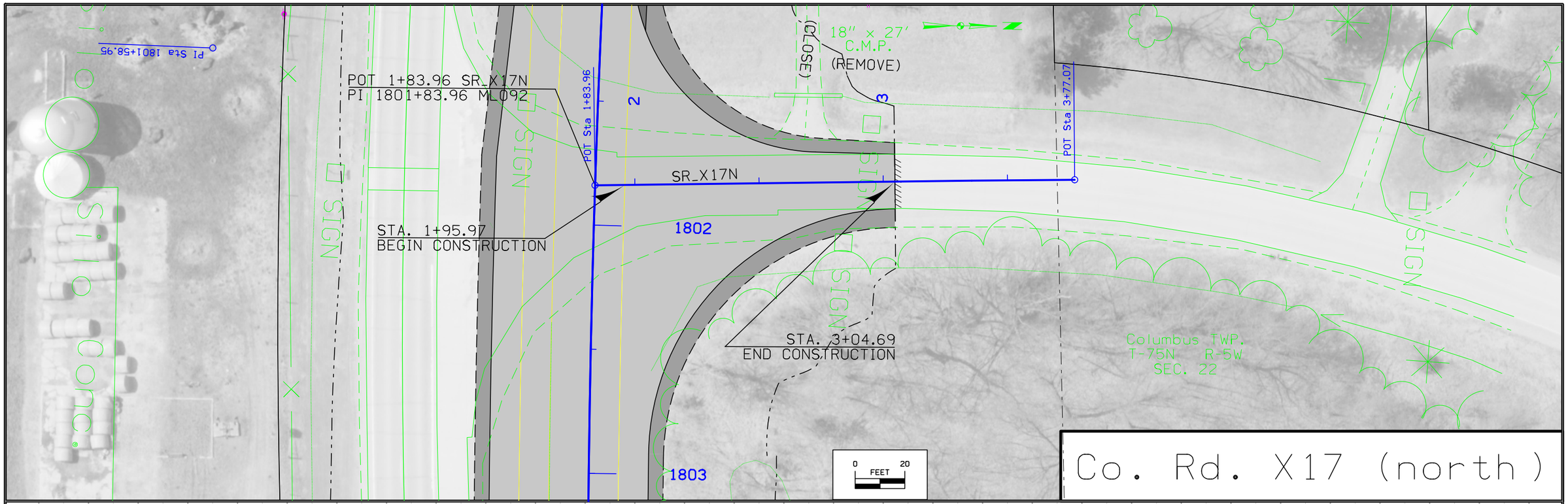
FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER E.5

3:43:23 PM 8/27/2020 adewolf pw:\\ntPwInt1.dot.int.lan:PWMain\Documents\Projects\9209201085\Design\CADD Files\SHT\92092057_E01.dgn



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER E.6

3:44:06 PM 8/27/2020 adewolf pw:\\ntPwInt1.dot.int.lan:PWMain\Documents\Projects\9209201085\Design\CADD Files\SHT\92092057_E01.dgn



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER E.7

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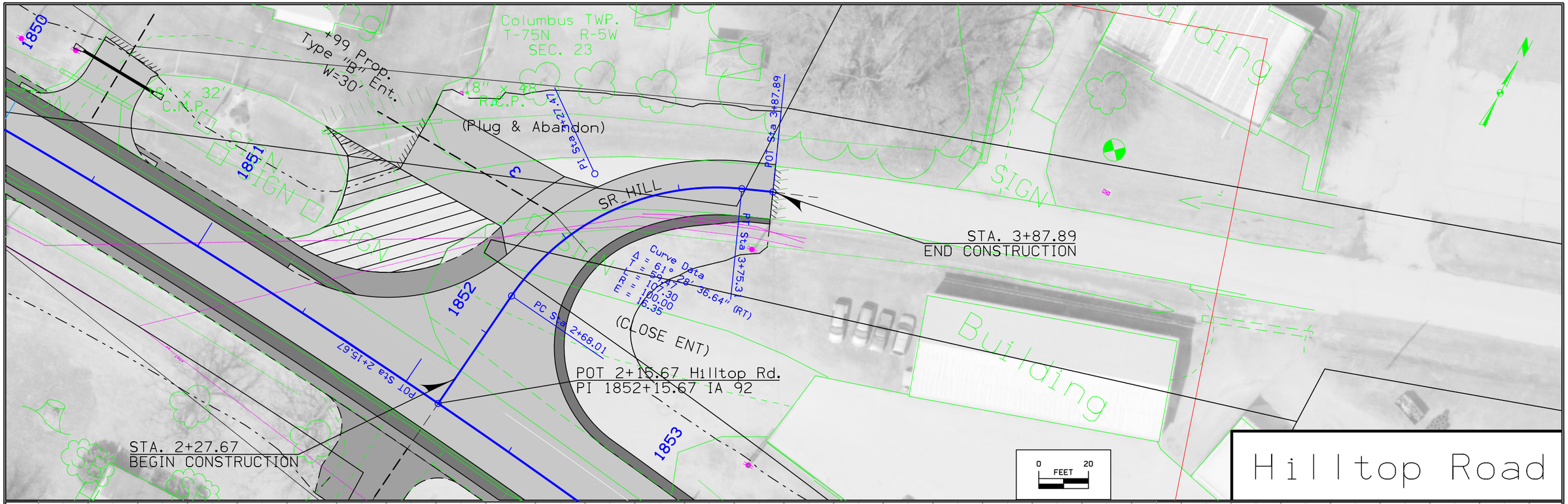
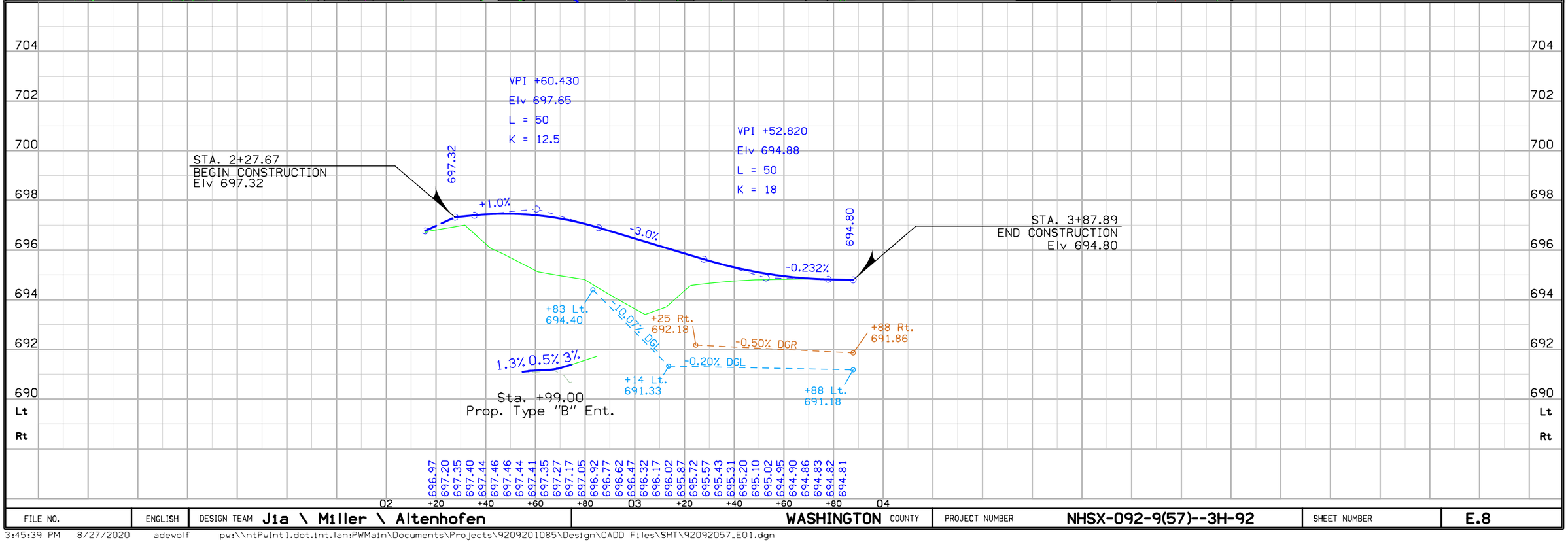




FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER E.8

3:45:39 PM 8/27/2020 adewolf pw:\\ntPwInt1.dot.int.lan:PWMain\Documents\Projects\9209201085\Design\CADD Files\SHT\92092057_E01.dgn

Sta. 383+71.8
Skew 49° (RA)
3 X 3 X 164.1 RCB
with 3.5 x 80.4 RCP with 8' apron
D.A. = 27 Ac - H
(???)

1866

POT 6+98.46 Western Ave.
PI 1866+98.46 IA 92

POT Sta 6+98.46

PC Sta 7+96.67

STA. 7+75.71
END CONSTRUCTION

STA. 7+10.63
BEGIN CONSTRUCTION

1867

SIGN

SIGN

SIGN

SR_WESTERN

PT Sta 9+65.91

POT Sta 9+93.96

PI Sta 8+81.65
Curve Data
Δ = 12° 55' 44.42" (LT)
T = 84.98
L = 161.24
R = 750.00
E = 4.80

House

Columbus TWP.
T-75N R-5W
SEC. 23

1868

0 FEET 20

Western Ave.

655
653
651
649
647
645
643
641
Lt
Rt

641.44 641.37 641.30 641.24 641.17 641.13 641.16 641.26 641.42 641.66 641.97 642.34 642.79 643.30 643.89 644.52

07 +20 +40 +60 +80 08 +20 +40 +60 +80 09 +20 +40 +60 +80

VPI +45.58
Elv 640.82
L = 50
K = 3.6

641.30

644.61

-1.351%

+12.552%

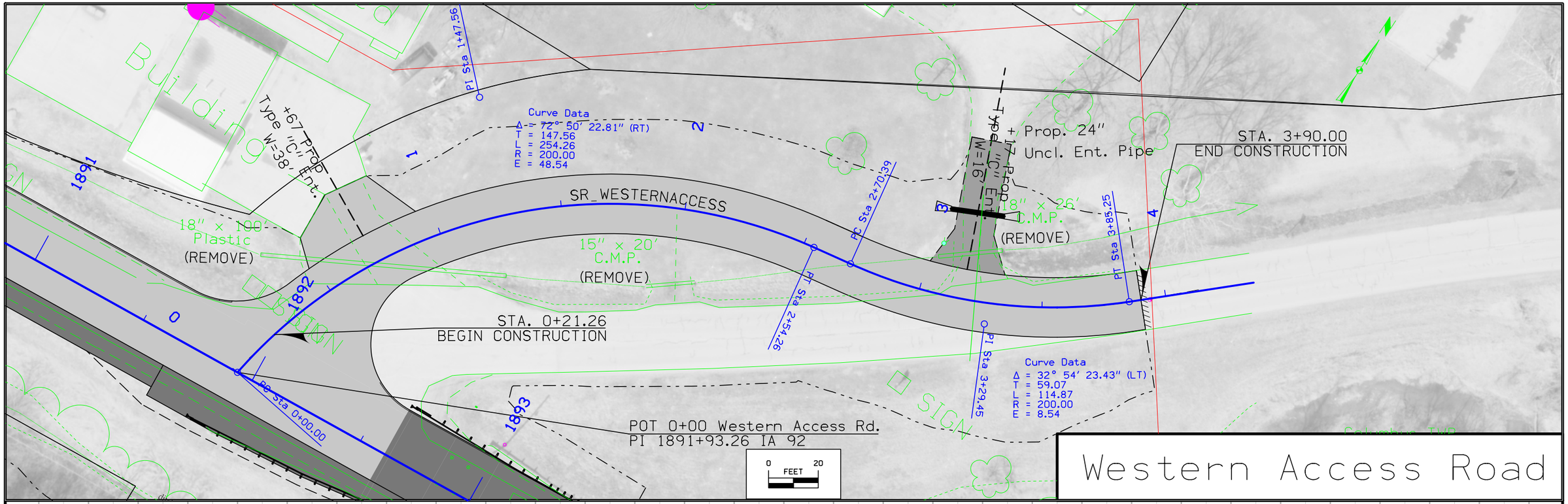
STA. 7+10.63
BEGIN CONSTRUCTION
Elv 641.30

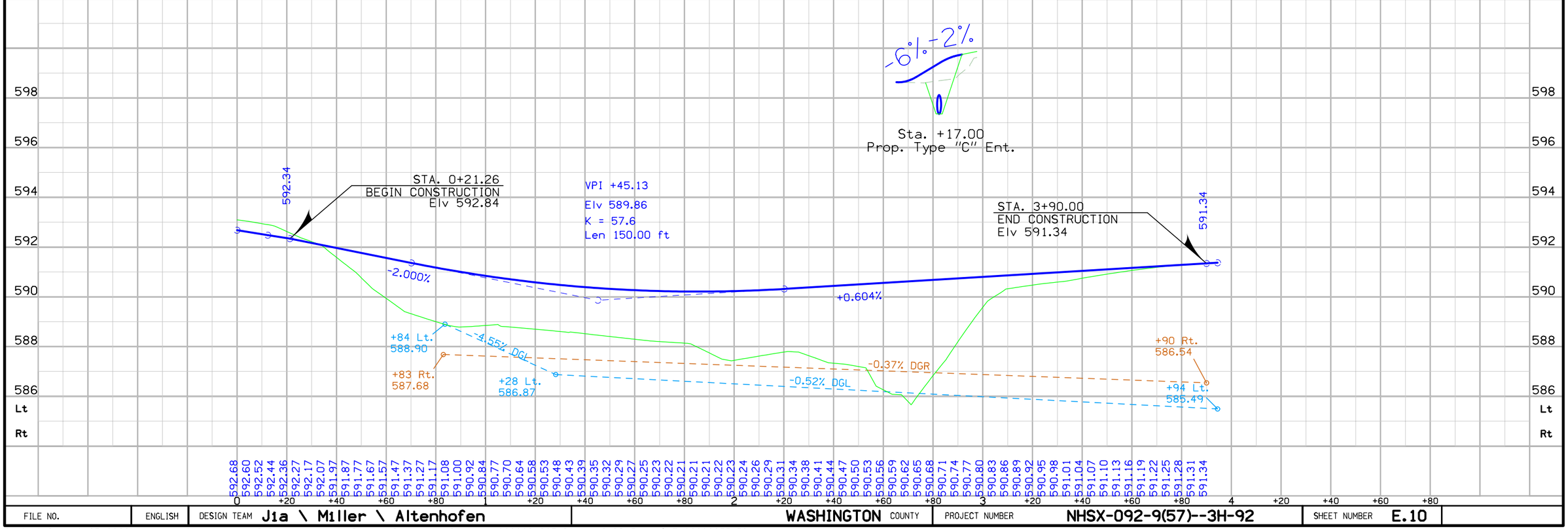
STA. 7+75.71
END CONSTRUCTION
Elv 644.61

FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER E.9

4:18:10 PM 8/27/2020 adewolf pw:\\ntPwInt1.dot.int.lan:PWMain\Documents\Projects\9209201085\Design\CADD Files\SHT\92092057_E01.dgn

Western Access Road





FILE NO.	ENGLISH	DESIGN TEAM	WASHINGTON COUNTY	PROJECT NUMBER	SHEET NUMBER
		Jia \ Miller \ Altenhofen		NHSX-092-9(57)--3H-92	E.10

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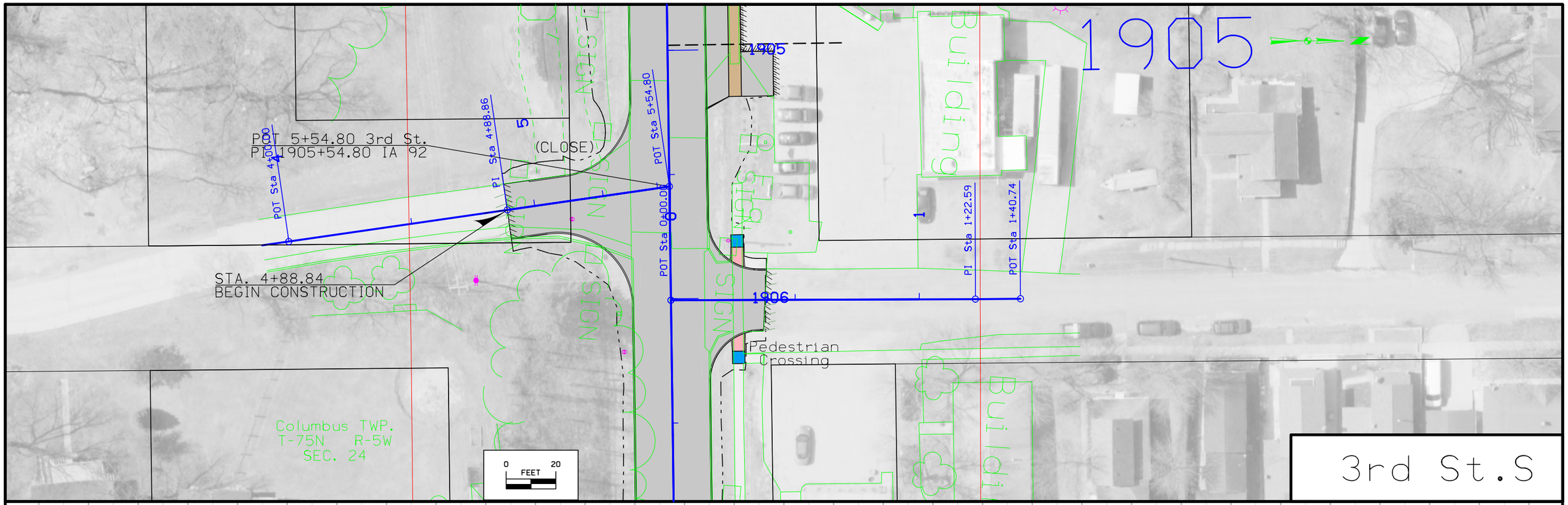



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER E.11

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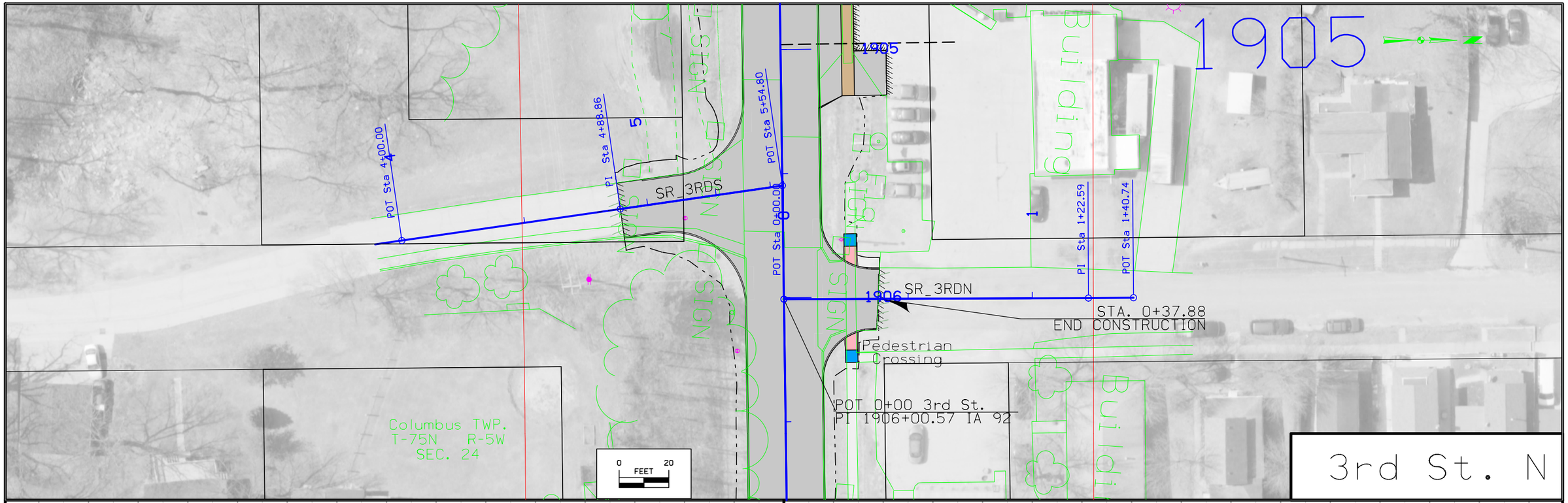



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3:46:24 PM 8/27/2020 adewolf pw:\\ntPwInt1.dot.int.lan:PWMain\Documents\Projects\9209201085\Design\CADD Files\SHT\92092057_E01.dgn

Survey Information

General Information

Measurement units for this survey are US survey feet. This survey is for a partial DTM survey for Highway 92 between U.S. 218 and Columbus Junction.

Vertical Control

(IARTN)
Vertical datum for this survey is NAVD88 (Computed using Geoid12A). The Ellipsoidal Height was computed using Louisa County monuments 10 and 11 and Washington County monuments 201 (NGS Harn Designation B 8), 137, 138, and 142. Elevations were established for benchmarks and control points were benchmark circuits ran from County Monuments 10, 11, 138, and 142.
Horizontal Control

The project coordinate system for this survey is Iowa State Plane South Zone (U.S. Survey Feet). The horizontal datum was computed using Louisa County monuments 10 and 11 and Washington County monuments 201 (NGS Harn Designation B 8), 137, 138, and 142. All control point coordinates were scaled to ground around Louisa County point 11 using a grid to ground factor of 1.000079

Alignment Information

The horizontal alignment for this survey was established using As-built Plans Washington County - IaDOT Project Number NHS-218-3(20)—19-92 and As-built Plans Louisa County Primary Road No. 2 from the Washington County line East to Columbus Junction (F.A. Project No. 250)

VERTICAL CONTROL

Point	North	East	Elevation	Station	Offset	Feature	Description
BM1	476744.050	2181331.772	707.470	1434+48.86	45.577	BM	NORTHEAST BOLT LIGHT BASE AT THE SOUTHEAST CORNER HIGHWAY 92 AND U.S. HIGHWAY 218 NORTH BOUND RAMP
BM2	476901.936	2181943.164	690.200	1440+78.37	95.067	BM	CUT X TOP SOUTHEAST CORNER REINFORCED CONCRETE BOX UNDER HIGHWAY 92 - APPROXIMATELY 1280 FEET EAST
BM3	477282.011	2183087.281	744.590	1452+95.45	85.577	BM	60D SPIKE IN POWER POLE AT SOUTHWEST CORNER HIGHWAY 92 AND YUCCA AVENUE
BM4	477351.449	2184258.177	743.910	1464+86.92	85.145	BM	60D SPIKE IN POWER POLE SOUTH SIDE HIGHWAY 92 - WEST SIDE LANE TO FARM BUILDINGS APPROXIMATELY 200
BM5	477365.030	2185203.798	745.980	1474+32.68	85.527	BM	60D SPIKE IN POWER POLE SOUTH SIDE HIGHWAY 92 - 5TH POWER POLE WEST (APPROXIMATELY 1020 FEET) OF Y
BM6	477378.882	2186144.928	738.690	1483+73.92	85.274	BM	60D SPIKE IN POWER POLE AT SOUTHWEST CORNER HIGHWAY 92 AND YUCCA AVENUE
BM7	477524.821	2186969.563	712.270	1492+00.63	-47.913	BM	60D SPIKE IN NORTH SIDE 6IN X 6IN POST MARKING PEDISTAL NORTH SIDE HIGHWAY 92 APPROXIMATELY 800 FEE
BM8	477538.223	2188358.838	701.040	1505+89.94	-39.736	BM	CUT X NORTHEAST CORNER REINFORCED CONCRETE BOX UNDER HIGHWAY 92 APPROXIMATELY 2170 FEET EAST OF YUC
BM9	477485.754	2189690.883	732.250	1519+21.10	31.236	BM	PK NAIL END WOOD FENCE POST SOUTH SIDE HIGHWAY 92 AT HOUSE NUMBER 3320
BM10	477499.156	2191421.007	696.690	1536+51.25	39.954	BM	CUT X SOUTHWEST CORNER REINFORCED CONCRETE BOX UNDER HIGHWAY 92 APPROXIMATELY 2690 FEET WEST OF COU
BM11	477528.772	2192982.062	741.090	1552+12.41	32.892	BM	T OF RIGHT-OF-WAY RAIL SOUTH SIDE HIGHWAY 92 APPROXIMATELY 1300 FEET WEST OF COUNTY LINE ROAD

Point	North	East	Elevation	Station	Offset	Feature	Description
BM12	477531.571	2194138.513	734.750	0+45.08	49.598	BM	CENTER BALL RIGHT-OF-WAY RAIL AT SOUTHEAST CORNER HIGHWAY 92 AND COUNTY LINE ROAD
BM13	477619.361	2195230.612	718.010	11+37.24	-37.484	BM	CUT X TOP NORTH END REINFORCED CONCRETE BOX UNDER HIGHWAY 92 APPROXIMATELY 1100 FEET EAST OF COUNT
BM14	477632.033	2196102.155	738.380	20+08.79	-49.590	BM	60D SPIKE IN POWER POLE WITH LIGHT NORTH SIDE HIGHWAY 92 AT EAST ENTRANCE TO STEAK HOUSE
BM15	477487.043	2196849.750	736.130	27+65.52	49.718	BM	CENTER BALL RIGHT-OF-WAY RAIL SOUTH SIDE HIGHWAY 92 AT FIELD ENTRANCE APPROXIMATELY 2700 FEET EAST
BM16	477507.892	2197519.576	721.180	34+26.56	-60.439	BM	RAILROAD SPIKE IN TELEPHONE POLE NORTH SIDE HIGHWAY 92 AT ENTRANCE TO HOUSE NUMBER 28346
BM17	477406.196	2198271.387	714.750	41+85.22	-60.104	BM	60D SPIKE IN TELEPHONE POLE NORTH SIDE HIGHWAY 92 APPROXIMATELY 1200 FEET WEST OF COUNTY LINE ROAD
BM18	477087.189	2199526.811	697.230	54+71.58	89.142	BM	CUT X TOP SOUTHEAST CORNER REINFORCED CONCRETE BOX UNDER COUNTY ROAD W66 APPROXIMATELY 95 FEET SOUT
BM19	476944.582	2200848.559	688.830	68+00.46	64.545	BM	CENTER BALL RIGHT-OF-WAY RAIL SOUTH SIDE HIGHWAY 92 APPROXIMATELY 1300 FEET EAST OF COUNTY ROAD W6
BM20	476787.074	2202170.518	684.510	81+30.37	65.276	BM	PK NAIL IN WOODCORNER POST SOUTH SIDE HIGHWAY 92 APPROXIMATELY 2700 FEET EAST OF COUNTY ROAD W66
BM21	476790.698	2203207.217	682.790	91+61.33	-43.955	BM	60D SPIKE IN TELEPHONE POLE NORTH SIDE HIGHWAY 92APPROXIMATELY 1500 FEET WEST OF X AVENUE
BM22	476725.659	2203915.171	676.360	98+72.24	-49.632	BM	X CUT TOP 48IN CAST IRON PIPE UNDER RAILROAD NORTH SIDE HIGHWAY 92 APPROXIMATELY 920 FEET WEST OF X
BM23	476620.811	2204819.744	668.850	107+82.76	-35.247	BM	X CUT TOP WEST END REINFORCED CONCRETE PIPE UNDER X AVENUE BETWEEN HIGHWAY 92 AND RAILROAD
BM24	476481.504	2206346.989	665.490	123+16.29	-48.267	BM	SOUTHWEST BOLT RAILROAD RADIO TOWER BASE BETWEEN HIGHWAY 92 AND RAILROAD APPROXIMATELY 1500 FEET EA
BM25	476373.306	2207406.591	658.650	133+81.40	-45.809	BM	60D SPIKE IN TELEPHONE POLE NORTH SIDE HIGHWAY 92 AT HOUSE NUMBER 26545
BM26	476322.351	2207847.067	657.500	138+24.76	-38.839	BM	X CUT TOP NORTH END REINFORCED CONCRETE PIPE UNDER HIGHWAY 92 APPROXIMATELY 1050 FEET WEST OF W AVE
BM27	475871.065	2208873.916	650.370	149+36.33	214.792	BM	BRASS PLUG TOP CENTER HEADWALL OF REINFORCED CONCRETE BOX EAST SIDE W AVENUE APPROXIMATELY 220 FEET
BM28	475774.773	2209928.018	650.960	159+74.40	-42.888	BM	60D SPIKE IN TELEPHONE POLE NORTH SIDE HIGHWAY 92 APPROXIMATELY 1000 FEET EAST OF W AVENUE
BM29	475171.658	2211588.559	647.170	177+41.08	-44.210	BM	60D SPIKE IN TELEPHONE POLE NORTH SIDE HIGHWAY 92 APPROXIMATELY 1200 FEET WEST OF V AVENUE
BM30	474768.801	2212823.015	639.060	190+44.86	-66.452	BM	60D SPIKE IN TELEPHONE POLE AT NORTHEAST CORNER HIGHWAY 92 AND V AVENUE
BM31	474308.005	2214082.007	625.830	203+80.97	44.042	BM	FOUND X CUT TOP CENTER SOUTH HEADWALL TRIPLE REINFORCED CONCRETE BOX SOUTH SIDE HIGHWAY 92 APPROXIM
BM32	474049.643	2215114.409	641.470	214+44.92	19.426	BM	60D SPIKE IN GUARD RAIL POST CENTER OF REINFORCED CONCRETE BOX SOUTH SIDE HIGHWAY 92 APPROXIMATELY
BM33	473690.540	2216421.213	654.320	228+00.17	19.189	BM	60D SPIKE IN GUARD RAIL POST CENTER OF REINFORCED CONCRETE BOX SOUTH SIDE HIGHWAY 92 APPROXIMATELY
BM34	473460.615	2217419.556	698.440	238+17.84	50.880	BM	60D SPIKE IN POWER POLE SOUTH SIDE HIGHWAY 92 AT COUNTY ROAD X17 NORTH
BM35	473521.852	2218172.969	696.950	245+63.33	54.653	BM	60D SPIKE IN POWER POLE SOUTHEAST CORNER HIGHWAY 92 AND COUNTY ROAD X17 SOUTH INFRONT OF CAR DEALER
BM36	473728.487	2219329.586	693.690	257+44.73	60.178	BM	CENTER BALL RIGHT-OF-WAY RAIL SOUTH SIDE HIGHWAY 92 AT NORTHEAST CORNER FAST STOP FUEL AT HOUSE NUM
BM37	473752.147	2220474.081	673.760	268+95.05	48.844	BM	RAILROAD SPIKE IN POWER POLE SOUTH SIDE HIGHWAY 92 ACROSS FROM ABANDONED HOUSE NUMBER 24074 APPROXI
BM38	473752.682	2221683.724	693.950	281+04.70	49.068	BM	60D SPIKE IN POWER POLE SOUTH SIDE HIGHWAY 92 APPROXIMATELY 750 FEET WEST OF HILLTOP ROAD
BM39	473826.289	2222625.024	697.200	290+40.11	-52.097	BM	60D SPIKE IN POWER POLE NORTHEAST CORNER HIGHWAY 92 AND HILLTOP ROAD AT FORD DEALER
BM40	473340.667	2223751.959	652.660	302+62.56	52.785	BM	60D SPIKE IN POWER POLE SOUTH SIDE HIGHWAY 92 EAST SIDE PURDY HILL ROAD
BM41	473009.025	2224589.488	602.060	311+53.09	58.440	BM	60D SPIKE IN POWER POLE SOUTH SIDE HIGHWAY 92 APPROXIMATELY 70 FEET EAST OF ENTRANCE TO HOUSE NUMBE
BM42	473004.242	2225217.030	594.110	317+68.00	52.804	BM	RAILROAD SPIKE IN POWER POLE SOUTH SIDE HIGHWAY 92 AT ENTRANCE TO HOUSE NUMBER 23236 IN COLUMBUS JU
BM43	473120.819	2226472.319	596.990	330+28.29	21.070	BM	X CUT TOP OF CONCRETE BARRIER WALL AT THE SOUTHWEST CORNER BRIDGE APPROXIMATELY 100 FEET EAST OF WE
BM44	473196.156	2227313.622	630.450	338+72.12	-19.458	BM	60D SPIKE IN POWER POLE WITH LIGHT NORTH SIDE HIGHWAY 92 APPROXIMATELY 400 FEET WEST OF THIRD STREE
BM45	473216.496	2228044.314	643.600	346+03.00	-31.151	BM	TOP CENTER BOLT HYDRANT AT THE NORTHWEST CORNER HIGHWAY 92 AND SECOND STREET IN COLUMBUS JUNCTION
BM46	473203.788	2228168.761	640.810	347+27.29	-16.971	BM	CUT X TOP CONCRETE BARRIER RAIL AT NORTHWEST CORNER HIGHWAY 92 BRIDGE APPROXIMATELY 115 FEET EAST O

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CP921, SET IRON PIN
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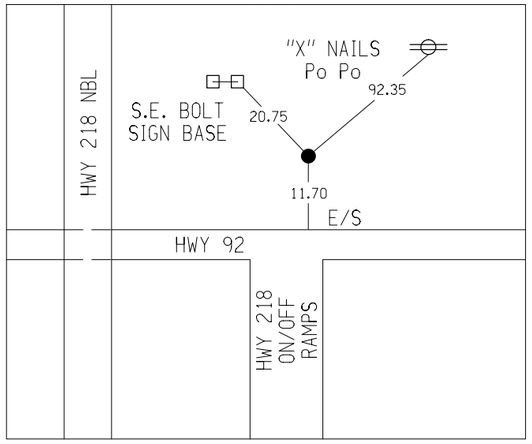

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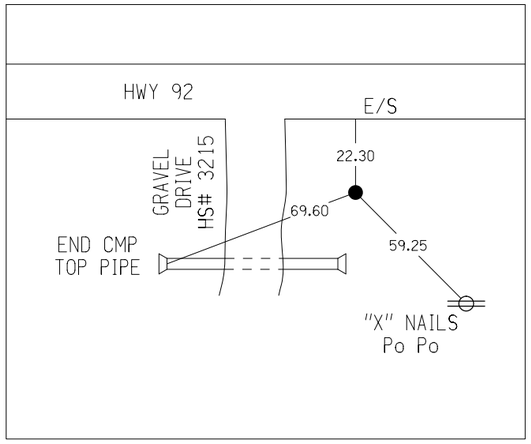

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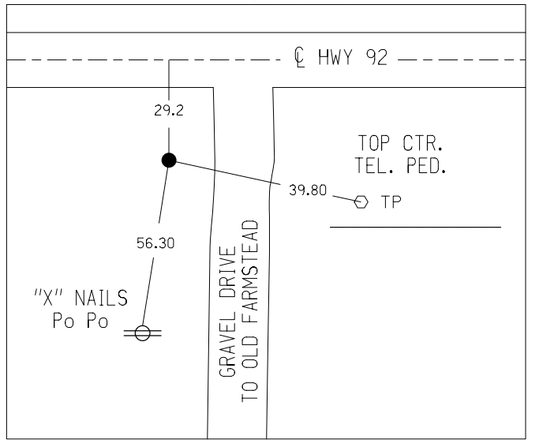

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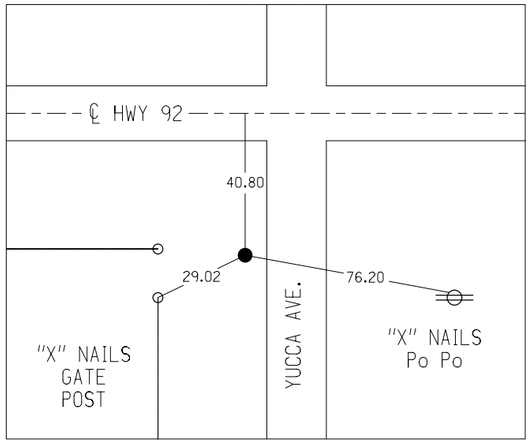

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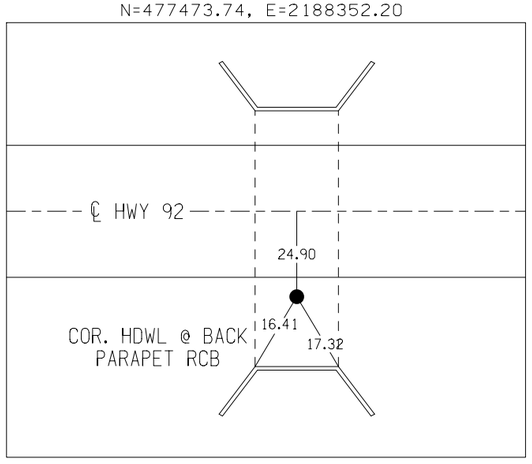

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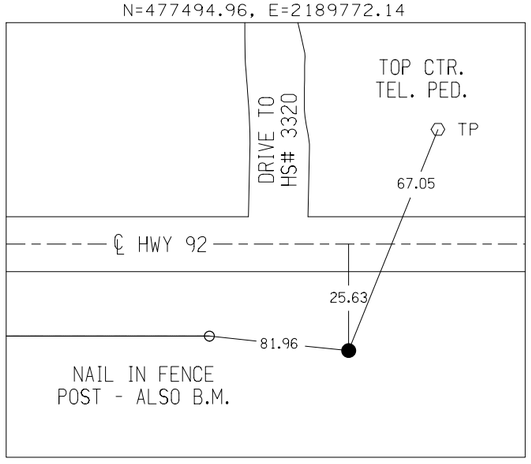

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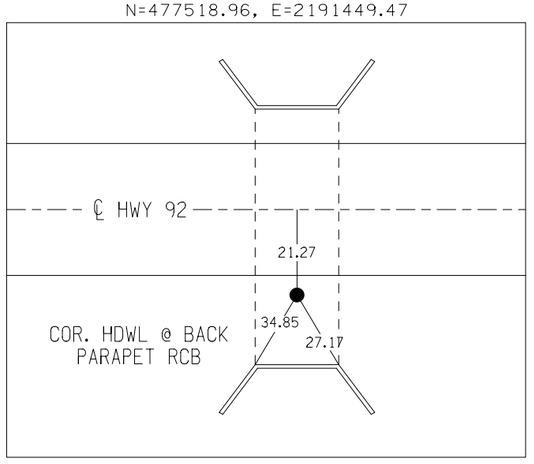

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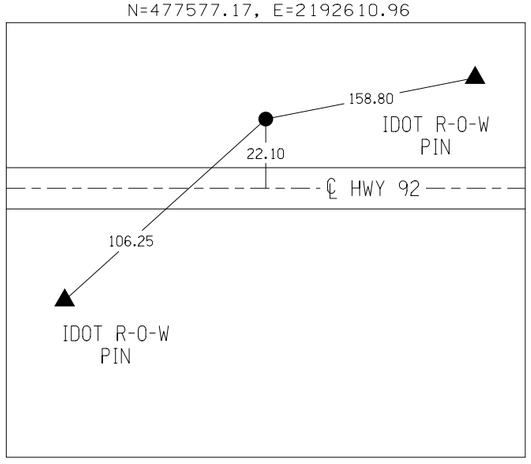

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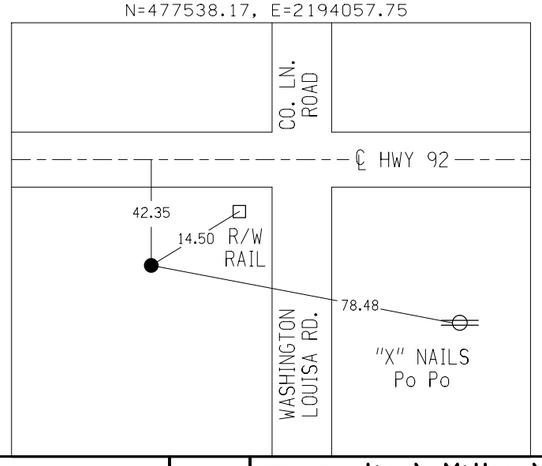

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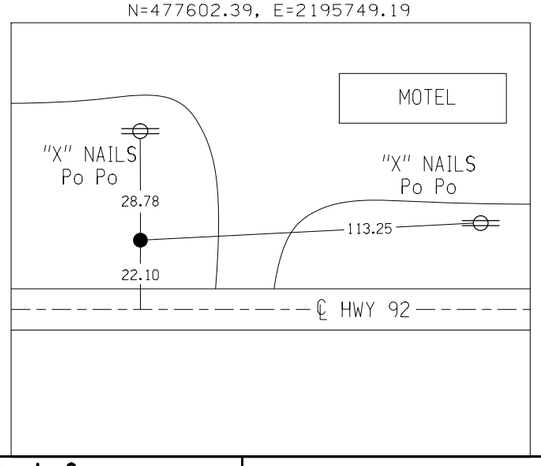

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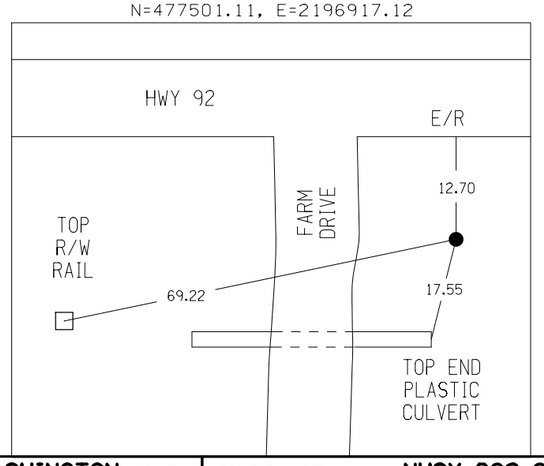

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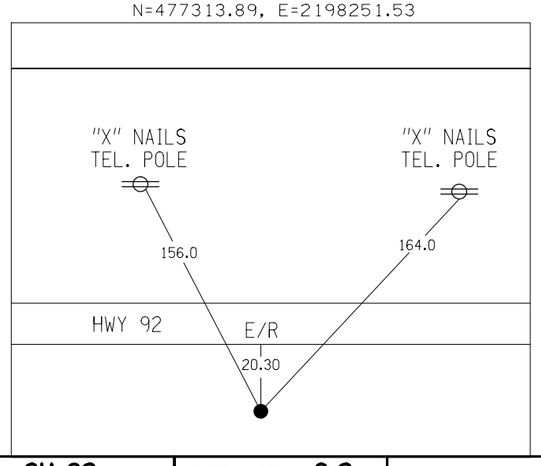

FILE NO.	ENGLISH	DESIGN TEAM J1a \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER G.2

8:35:00 AM 7/15/2019 raltenh pw:\\ntPwInt1.dot.int.lan:PWMain\Documents\Projects\9209201085\Design\CADD Files\SHT\92092057_G01.dgn

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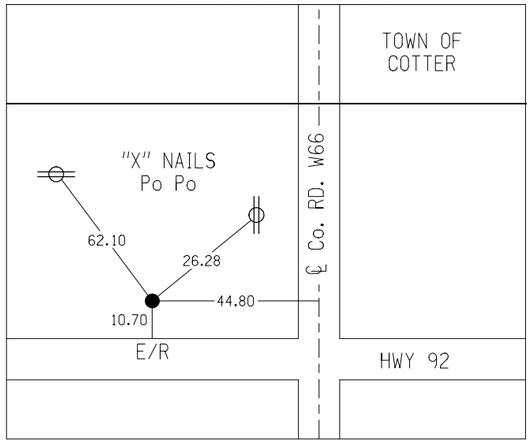

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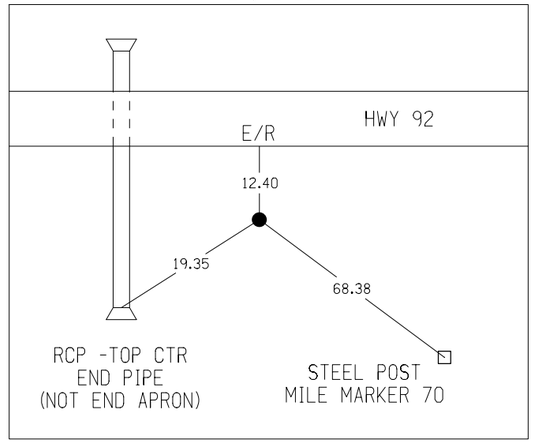

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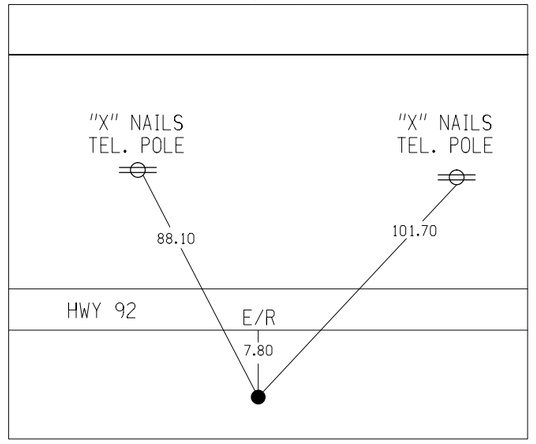

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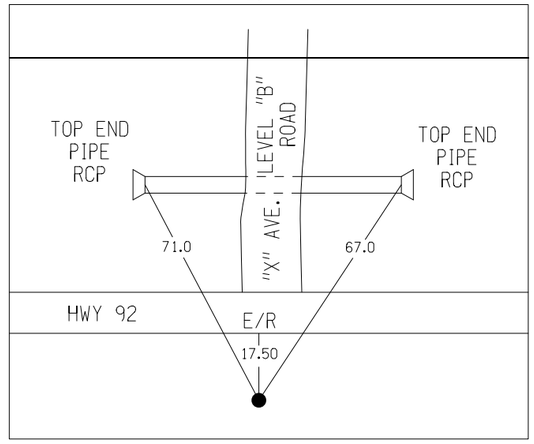

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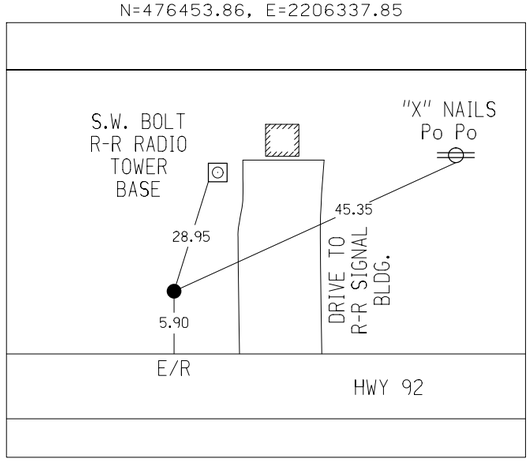

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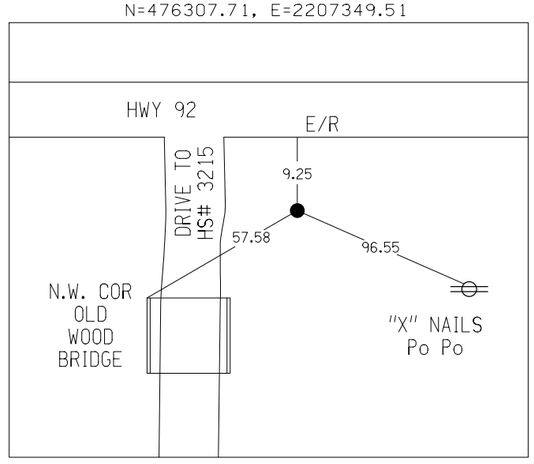

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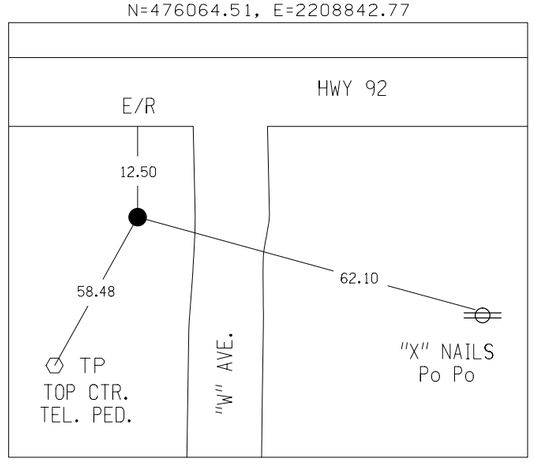
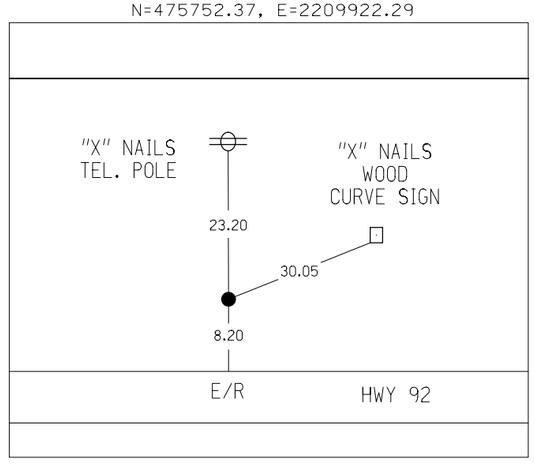
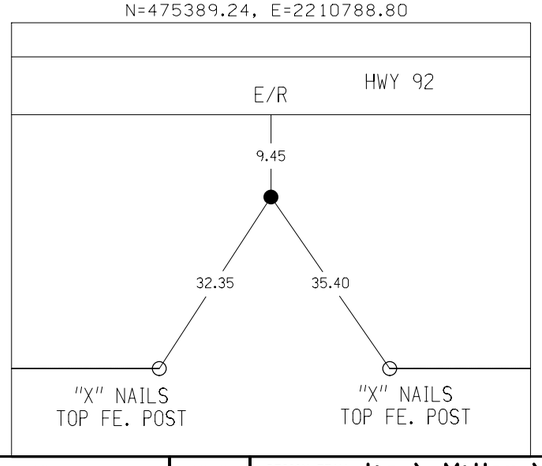
CP9244, SET IRON PIN
N=476064.51, E=2208842.77



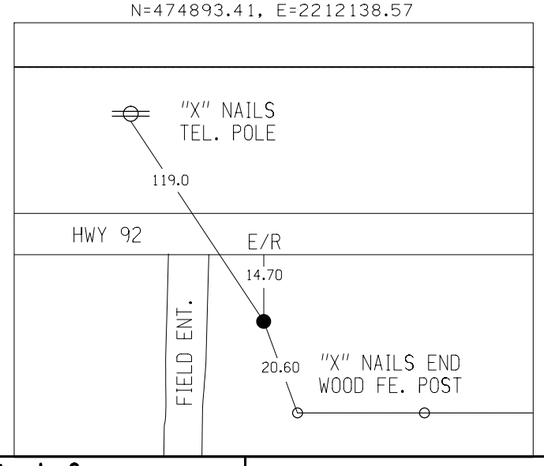
C.P. STA. 159+76.68, LT. 19.88 L-IA92
CP9246, SET IRON PIN
N=475752.37, E=2209922.29



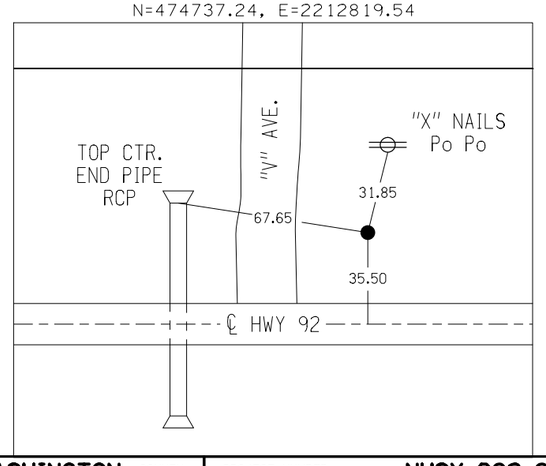
C.P. STA. 169+15.14, RT. 24.92 L-IA92
CP9247, SET IRON PIN
N=475389.24, E=2210788.80



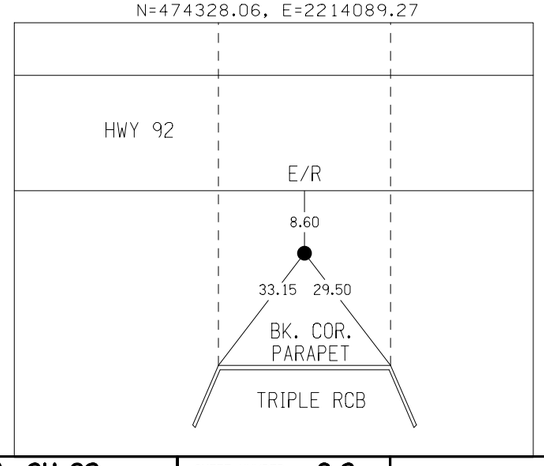
C.P. STA. 183+53.09, RT. 29.1 L-IA92
CP9249, SET IRON PIN
N=474893.41, E=2212138.57



C.P. STA. 190+49.88, LT. 35.1 L-IA92
CP9250, SET IRON PIN
N=474737.24, E=2212819.54



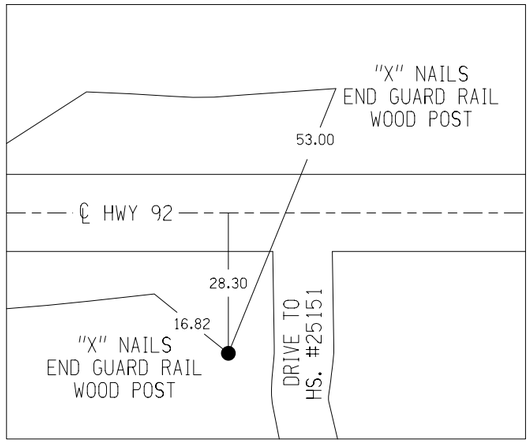
C.P. STA. 203+82.65, RT. 22.78 L-IA92
CP9251, SET IRON PIN
N=474328.06, E=2214089.27



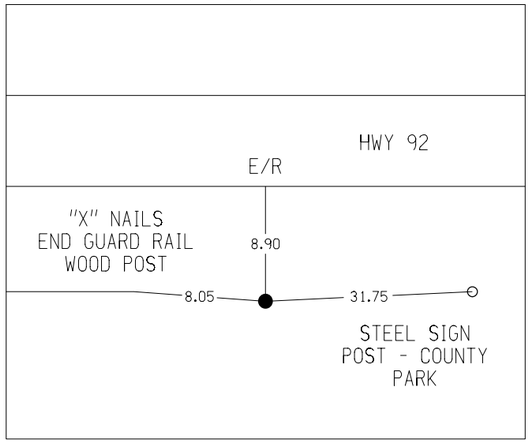
FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER G.3

8:35:05 AM 7/15/2019 raltenh pw:\\ntPwInt1.dot.int.lan:PWMain\Documents\Projects\9209201085\Design\CADD Files\SHT\92092057_G01.dgn

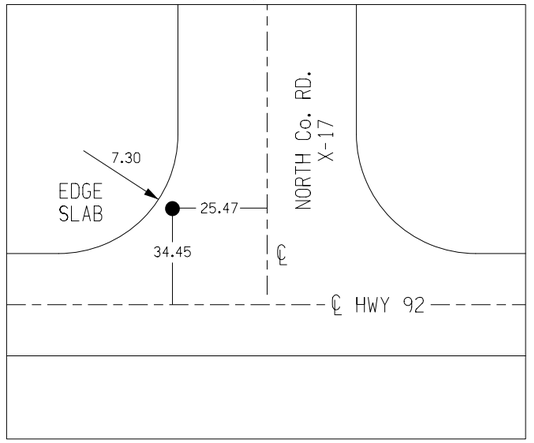
C.P. STA. 217+04.48, RT. 28.24 L-IA92
CP9254, SET IRON PIN
N=473972.33, E=2215362.34



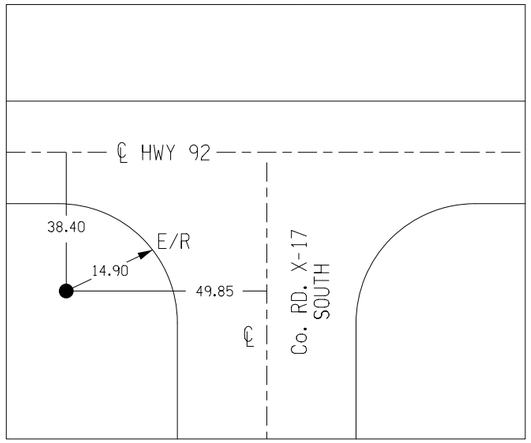
C.P. STA. 231+57.93, RT. 22.84 L-IA92
CP9256, SET IRON PIN
N=473592.26, E=2216765.36



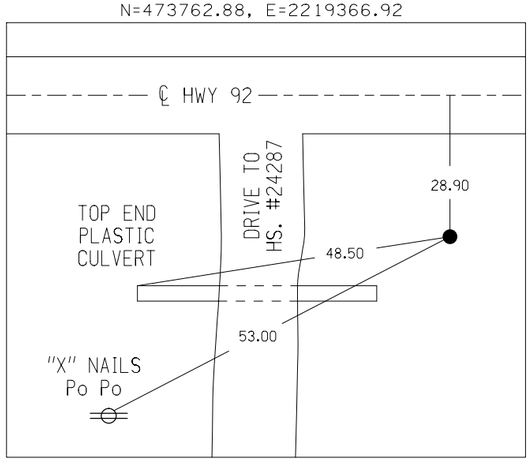
C.P. STA. 238+58.18, LT. 34.16 L-IA92
CP9257, SET PK NAIL
N=473544.18, E=2217462.97



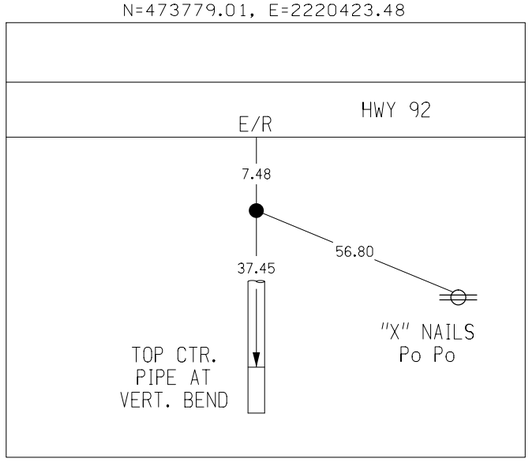
C.P. STA. 243+88.64, RT. 38.23 L-IA92
CP9258, SET IRON PIN
N=473506.42, E=2217996.59



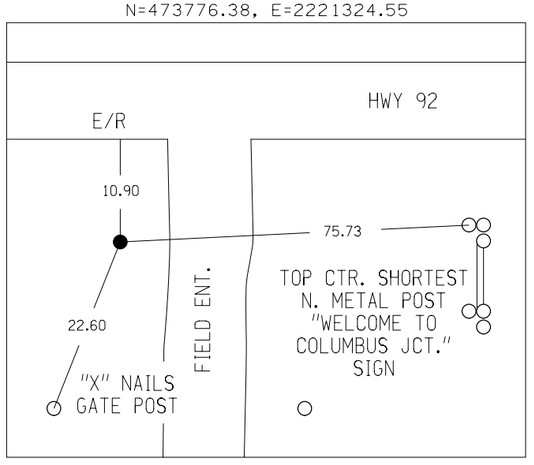
C.P. STA. 257+85.46, RT. 29.05 L-IA92
CP9260, SET IRON PIN
N=473762.88, E=2219366.92



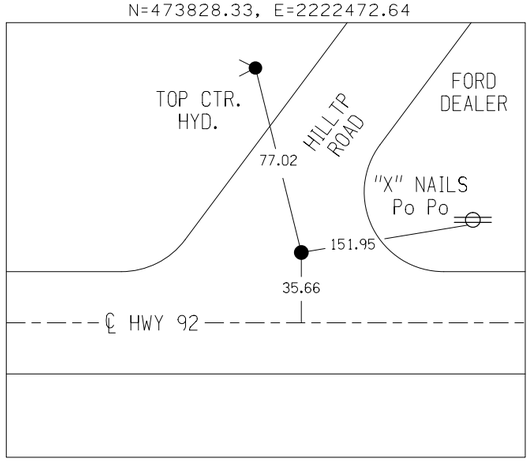
C.P. STA. 268+44.47, RT. 21.95 L-IA92
CP9262, SET IRON PIN
N=473779.01, E=2220423.48



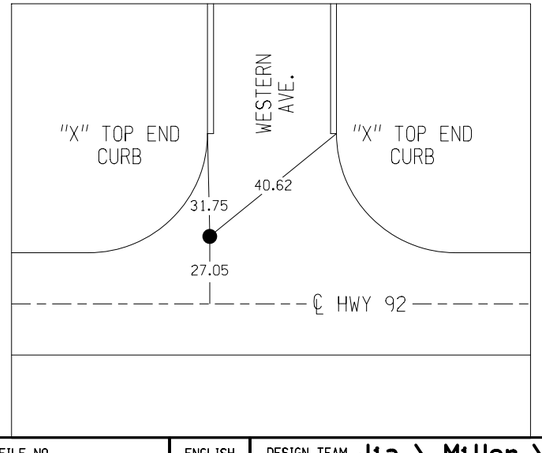
C.P. STA. 277+45.54, RT. 25.15 L-IA92
CP9263, SET IRON PIN
N=473776.38, E=2221324.55



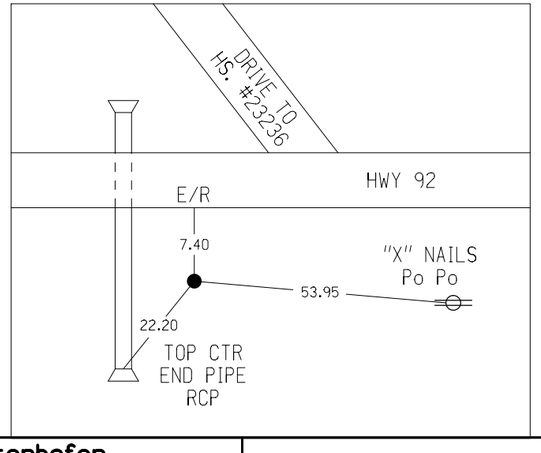
C.P. STA. 288+90.76, LT. 37.04 L-IA92
CP9265, SET PK NAIL
N=473828.33, E=2222472.64



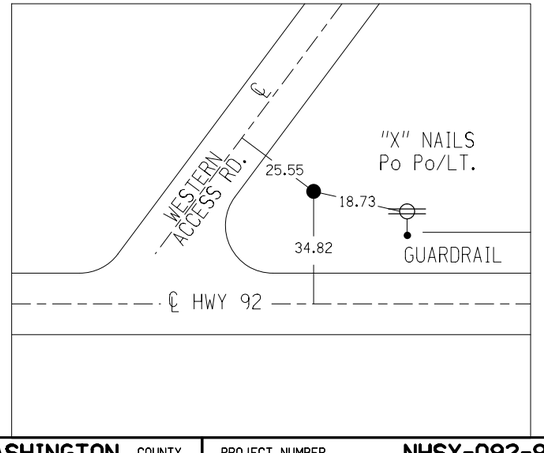
C.P. STA. 303+85.25, LT. 26.87 L-IA92
CP9268, SET PK NAIL
N=473365.39, E=2223896.13



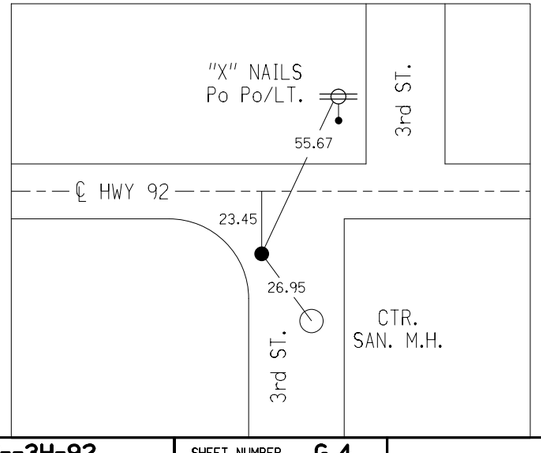
C.P. STA. 317+23.78, RT. 21.41 L-IA92
CP9270, SET IRON PIN
N=473032.59, E=2225170.80



C.P. STA. 329+93.22, LT. 34.48 L-IA92
CP9272, SET IRON PIN
N=473173.88, E=2226433.59



C.P. STA. 342+55.33, RT. 23.06 L-IA92
CP9274, SET IRON PIN
N=473158.18, E=2227697.31



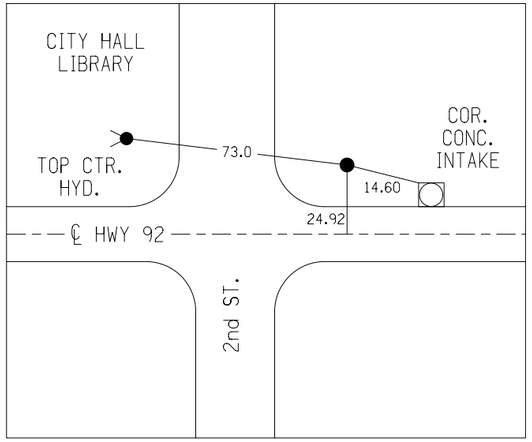
FILE NO.	ENGLISH	DESIGN TEAM J1a \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER G.4

8:35:23 AM 7/15/2019 raltenh pw:\\ntPwInt1.dot.int.lan:PWMain\Documents\Projects\9209201085\Design\CADD Files\SHT\92092057_G01.dgn

C.P. STA. 346+75.42, LT. 24.84 L-IA92

CP9275, SET IRON PIN

N=473211.04, E=2228116.80

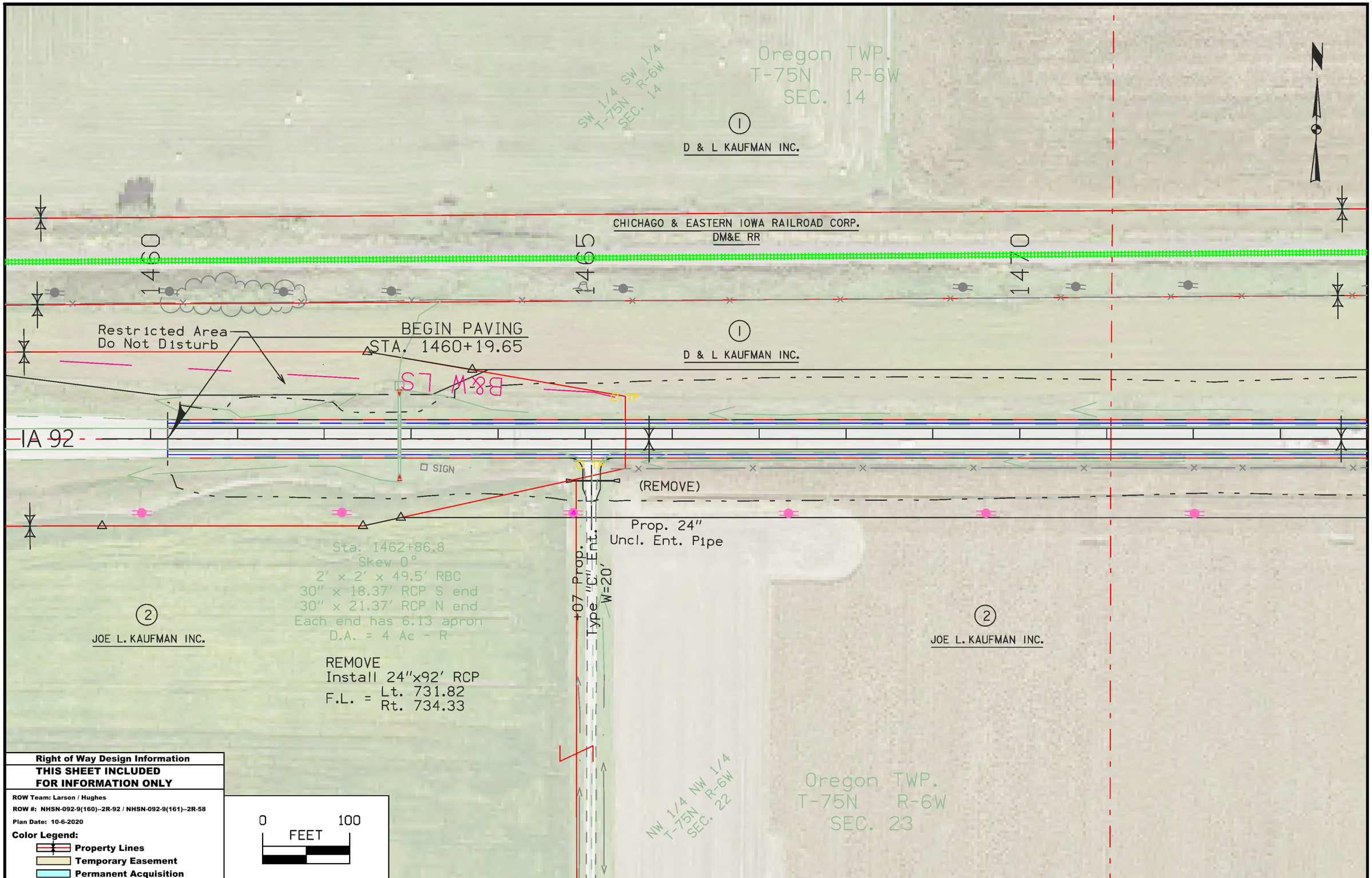


FILE NO.	ENGLISH	DESIGN TEAM J1a \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER G.5

8:35:24 AM 7/15/2019 raltenh pw:\\ntPwInt1.dot.int.lan:PWMain\Documents\Projects\9209201085\Design\CADD Files\SHT\92092057_G01.dgn

NO ACCESS RIGHTS ARE TO BE ACQUIRED ON THIS PROJECT.

ACCESS CONTROL PREVIOUSLY ACQUIRED



Right of Way Design Information

THIS SHEET INCLUDED FOR INFORMATION ONLY

ROW Team: Larson / Hughes

ROW #: NHSN-092-9(160)--2R-92 / NHSN-092-9(161)--2R-58

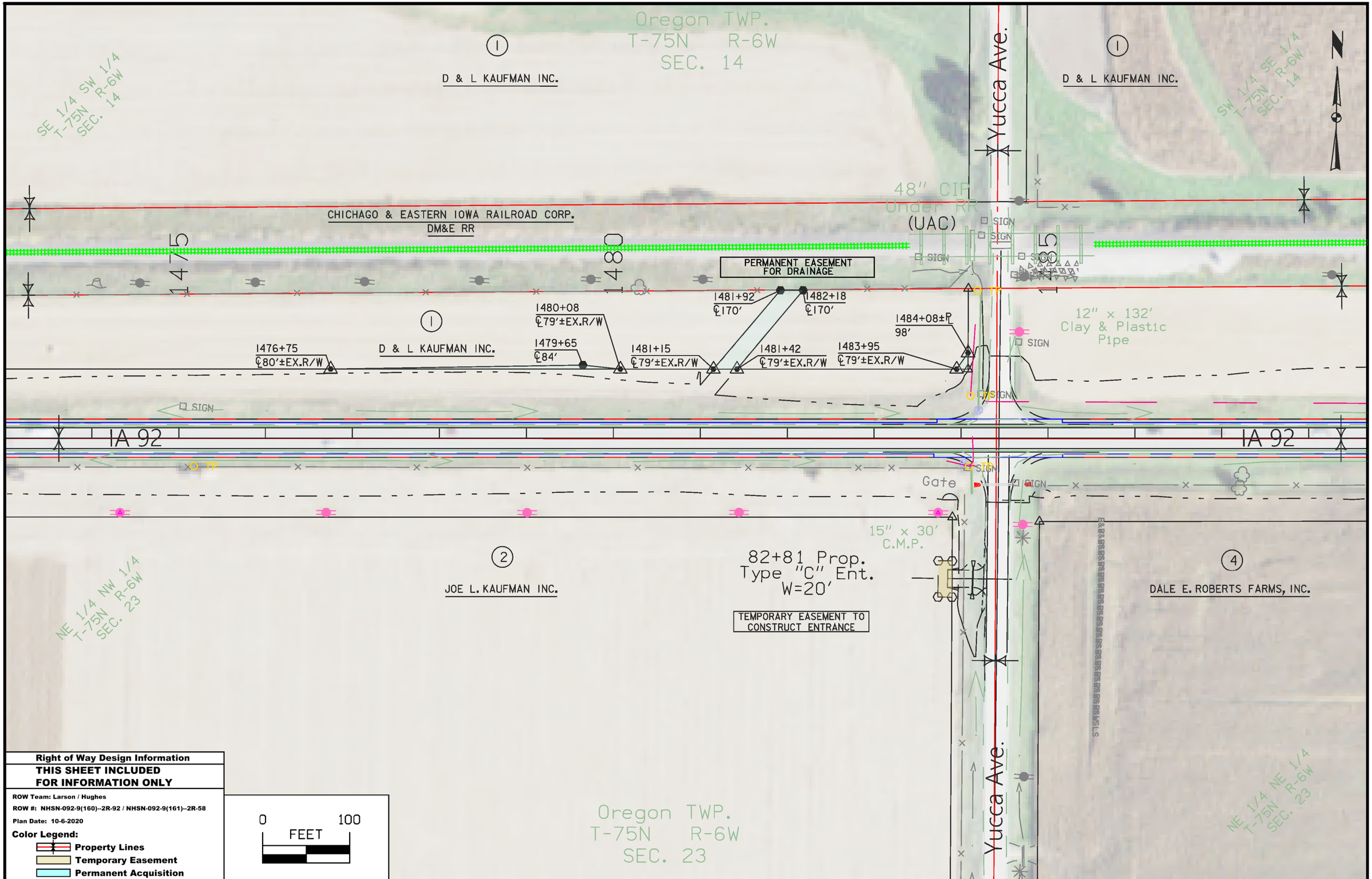
Plan Date: 10-6-2020

Color Legend:

- Property Lines
- Temporary Easement
- Permanent Acquisition

FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON / LOUISA COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER H.1

3:27:50 PM 1/20/2021 CHUGHES pw:\\ntPwInt1.dot.int.lan:PWMain\Documents\Projects\9209201085\ROW\92092160.sht



Right of Way Design Information

THIS SHEET INCLUDED FOR INFORMATION ONLY

ROW Team: Larson / Hughes

ROW #: NHSN-092-9(160)--2R-92 / NHSN-092-9(161)--2R-58

Plan Date: 10-6-2020

Color Legend:

- Property Lines
- Temporary Easement
- Permanent Acquisition

FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON / LOUISA COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER H.2

3:35:41 PM 1/20/2021 CHUGHES pw:\\ntPwInt1.dot.int.lan:PWMain\Documents\Projects\9209201085\ROW\92092160.sht

Oregon TWP.
T-75N R-6W
SEC. 14

SW 1/4 SE 1/4
T-75N R-6W
SEC. 14

SE 1/4 SE 1/4
T-75N R-6W
SEC. 14

N

1

D & L KAUFMAN INC.

CHICHAGO & EASTERN IOWA RAILROAD CORP.
DM&E RR

1490

1495

1500

TP

TP

IA 92

IA 92

SIGN

4

DALE E. ROBERTS FARMS INC.

NW 1/4 NE 1/4
T-75N R-6W
SEC. 23

NE 1/4 NE 1/4
T-75N R-6W
SEC. 23

Oregon TWP.
T-75N R-6W
SEC. 23

Right of Way Design Information
THIS SHEET INCLUDED FOR INFORMATION ONLY

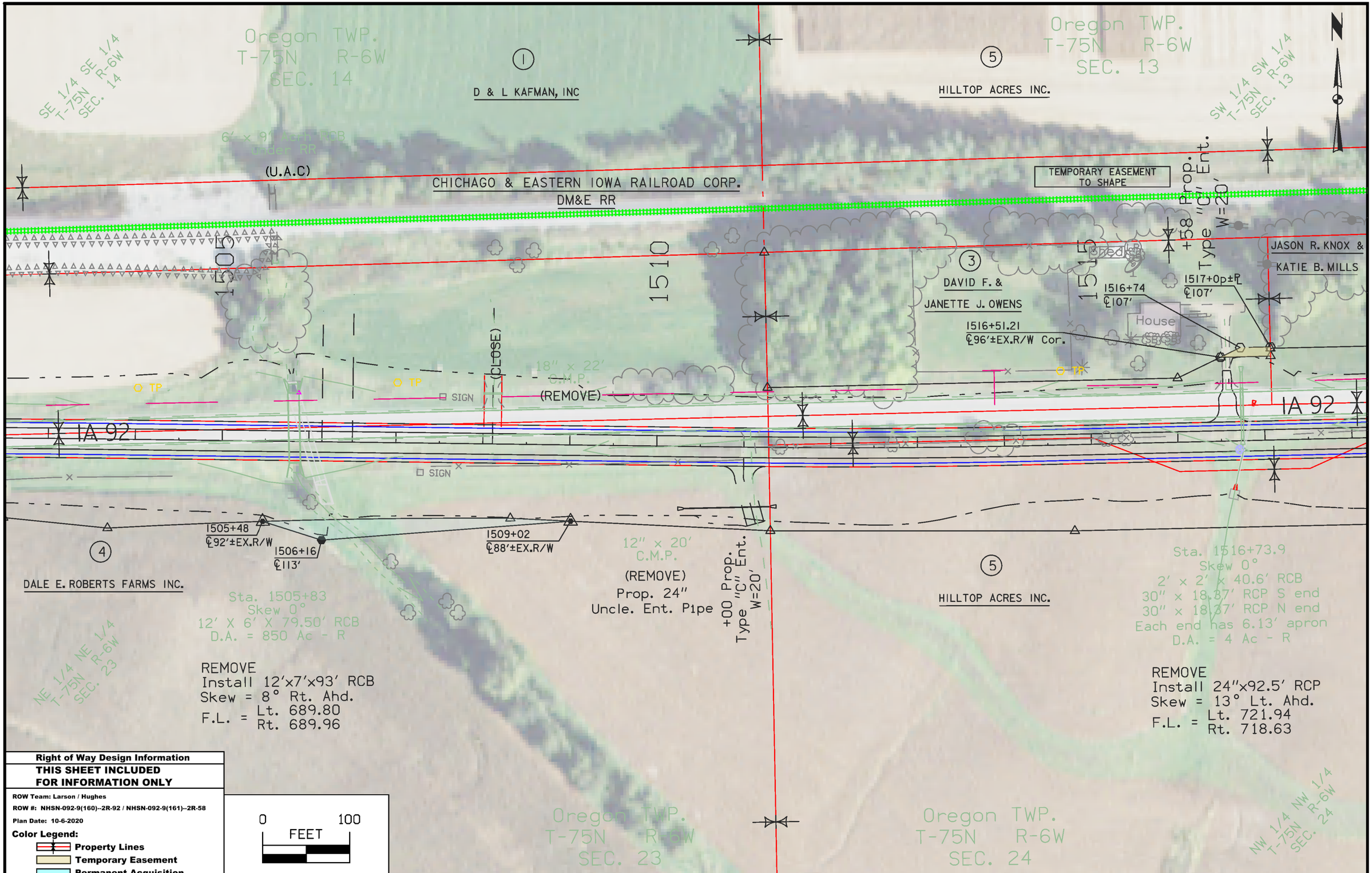
ROW Team: Larson / Hughes
ROW #: NHSN-092-9(160)--2R-92 / NHSN-092-9(161)--2R-58
Plan Date: 10-6-2020

Color Legend:
- Property Lines
- Temporary Easement
- Permanent Acquisition

0 100
FEET

FILE NO.	ENGLISH	DESIGN TEAM J1a \ Miller \ Altenhofen	WASHINGTON / LOUISA COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER H.3

4:02:07 PM 1/20/2021 CHUGHES pw:\\ntPwInt1.dot.int.lan:PWMain\Documents\Projects\9209201085\ROW\92092160.sht



Right of Way Design Information
THIS SHEET INCLUDED FOR INFORMATION ONLY

ROW Team: Larson / Hughes
ROW #: NHSN-092-9(160)--2R-92 / NHSN-092-9(161)--2R-58
Plan Date: 10-6-2020

Color Legend:
- Property Lines
- Temporary Easement
- Permanent Acquisition

FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON / LOUISA COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER H.4

3:51:28 PM 1/20/2021 CHUGHES pw:\\ntPwInt1.dot.int.lan:PWMain\Documents\Projects\9209201085\ROW\92092160.sht

SW 1/4 SW 1/4 T-75N R-6W SEC. 13

HILLTOP ACRES INC.

TEMPORARY EASEMENT TO CONSTRUCT ENTRANCE

Prop. 24" Uncl. Ent. Pipe

Oregon TWP. T-75N R-6W SEC. 13

HILLTOP ACRES INC.

SE 1/4 SW 1/4 T-75N R-6W SEC. 13

CHICAGO & EASTERN IOWA RAILROAD CORP. DM&E RR

JASON R. KNOX & KATIE B. MILLS

+85 Prop. Type "C" Ent. W=20'

1520

HILLTOP ACRES INC.

+09 Prop. Type "C" Ent. W=26'

SIGN

1525

+25 Prop. Type "C" Ent. W=20'

DELBERT F. YOUNG

1530

Shed (LP)

House

Barn

Shed

1517+09±P
℄107'

1523+78
℄95'±EX.R/W

1523+90
℄115'

1524+37±P
℄115'

(REMOVE)

IA 92

1520+26
℄100'±EX.R/W

1520+78
℄105'

1522+24
℄147'

1523+51
℄105'

1523+96
℄100'±EX.R/W

1523+25
℄148'

+85 Prop. Type "C" Ent. W=26'

TEMPORARY EASEMENT FOR PIPE JACKING

HILLTOP ACRES INC.

+25 Prop. Type "C" Ent. W=20'

HILLTOP ACRES INC.

NW 1/4 NW 1/4 T-75N R-6W SEC. 24

Sta. 1522+76.1
Skew 0°
2' x 2' x 63.8' RCB
30" x 31.87' RCP S. end
30" x 28.37' RCP N. end
Each end has 6.13' apron
D.A. = 6 Ac - R

REMOVE
Install 24"x134' RCP
F.L. = Lt. 717.13
Rt. 710.27

Oregon TWP. T-75N R-6W SEC. 24

NE 1/4 NW 1/4 T-75N R-6W SEC. 24

Right of Way Design Information
THIS SHEET INCLUDED FOR INFORMATION ONLY

ROW Team: Larson / Hughes
ROW #: NHSN-092-9(160)--2R-92 / NHSN-092-9(161)--2R-58
Plan Date: 10-6-2020

Color Legend:
- Property Lines
- Temporary Easement
- Permanent Acquisition

0 100 FEET

FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON / LOUISA COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER H.5

4:10:23 PM 1/20/2021 CHUGHES pw:\\ntPwInt1.dot.int.lan:PWMain\Documents\Projects\9209201085\ROW\92092160.sht

(5)

HILLTOP ACRES INC.

SE 1/4 SW 1/4 T-75N R-6W SEC. 13

REMOVE
Install 8'x9'x230' RCB
Skew = 30° Lt. Ahd.
F.L. = Lt. 686.24
Rt. 685.57

CHICAGO & EASTERN IOWA RAILROAD CORP.
DM&E RR

Oregon TWP.
T-75N R-6W
SEC. 13

SW 1/4 SE 1/4 T-75N R-6W SEC. 13

SIGN
SIGN

Sta. 1536+55.9
Skew 0°
8' X 8' X 80.40' RCB
D.A. = 700 Ac. R

1535

1540

1545

+08 Prop. Type "C" Ent. W=20'

Prop. 24" Uncl. Ent. Pipe

(4)

DALE E. ROBERTS FARMS, INC.

DELBERT F. YOUNG

TP

TP

TP

18" x 34' Plastic (REMOVE)

IA 92

IA 92

(CLOSE)

1534+68
℄116'±EX.R/W

1535+23
℄143'

1536+37
℄115'±EX.R/W

18" x 45' C.M.P. (REMOVE)

(5)

HILLTOP ACRES INC.

+08 Prop. Type "C" Ent. W=20'

Prop. 24" Uncl. Ent. Pipe

(5)

HILLTOP ACRES INC.

NE 1/4 NW 1/4 T-75N R-6W SEC. 24

Oregon TWP.
T-75N R-6W
SEC. 24

NW 1/4 NE 1/4 T-75N R-6W SEC. 24

Right of Way Design Information
THIS SHEET INCLUDED FOR INFORMATION ONLY

ROW Team: Larson / Hughes
ROW #: NHSN-092-9(160)--2R-92 / NHSN-092-9(161)--2R-58
Plan Date: 10-6-2020

Color Legend:
- Property Lines
- Temporary Easement
- Permanent Acquisition

0 100
FEET

FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON / LOUISA COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER H.6

4:17:53 PM 1/20/2021 CHUGHES pw:\\ntPwInt1.dot.int.lan:PWMain\Documents\Projects\9209201085\ROW\92092160.sht

REMOVE
Install 24"x96' RCP
F.L. = Lt. 727.34
Rt. 732.39

SW 1/4 SE 1/4 T-75N R-6W SEC. 13

Oregon TWP.
T-75N R-6W
SEC. 13

SE 1/4 SE 1/4 T-75N R-6W SEC. 13

N

1

D & L KAUFMAN

CHICHAGO & EASTERN IOWA RAILROAD CORP.
DM&E RR

Sta. 1548+35.7
Skew 0°
2' x 2' x 39.5' RCB
30" x 20.37' RCP S. end
30" x 23.97' RCP N. end
Each end has 6.13' apron
D.A. = 4 Ac ± R

1550

1555

1560

4

DALE E. ROBERTS FARMS, INC.

Restricted Area
Do Not Disturb

IA 92

1550+25
℄66'±EX.R/W

1550+81
℄72'

1551+77
℄72'±EX.R/W

NW 1/4 NE 1/4 T-75N R-6W SEC. 24

5

HILLTOP ACRES INC.

Oregon TWP.
T-75N R-6W
SEC. 24

NE 1/4 NE 1/4 T-75N R-6W SEC. 24

Right of Way Design Information
THIS SHEET INCLUDED FOR INFORMATION ONLY

ROW Team: Larson / Hughes
ROW #: NHSN-092-9(160)--2R-92 / NHSN-092-9(161)--2R-58
Plan Date: 10-6-2020

Color Legend:
- Property Lines
- Temporary Easement
- Permanent Acquisition

0 100
FEET

FILE NO.	ENGLISH	DESIGN TEAM	J1a \ Miller \ Altenhofen	WASHINGTON / LOUISA COUNTY	PROJECT NUMBER	NHSX-092-9(57)--3H-92	SHEET NUMBER	H.7

4:35:54 PM 1/20/2021 CHUGHES pw:\\ntPwInt1.dot.int.lan:PWMain\Documents\Projects\9209201085\ROW\92092160.sht

(1)
D & L KAUFMAN, INC.

County Line Rd.

Columbus TWP.
T-75N R-5W
SEC. 18

(4)
DALE E. ROBERTS FARMS, INC.

48" CIP
Under RR
(UAC)

(9R)
C.R.I.&P. CHICAGO, ROCK ISLAND & PACIFIC RAILWAY CO.

L565

L570

(4)
DALE E. ROBERTS FARMS, INC.

L575

L580

(7)
LD ENTERPRISES, LLC

(4)
DALE E. ROBERTS FARMS, INC.
Restricted Area
Do Not Disturb

House

1574+64±R
℄84'

1574+19
℄79'±EX.R/W

1575+09
℄75'±EX.R/W

SIGN

TP

IA 92

IA 92

12" x 36'
C.M.P.
Replace

Sta. 6+58.2
Skew 0°
54.8' of 2' x 2' RCB
15.87' of 30" RCP S. end
15.87' of 30" RCP N. end
Each end has 6.13' apron
D.A. = 11 Ac - R

REMOVE
Install 30"x94' RCP
F.L. = Lt. 719.51
Rt. 716.88

JOHN K. &
JANICE M. SKUBAL

Sta. 11+36.9
Skew 0°
58.0' of 4' x 3' RCB
27.5' of 48" RCP S. end
6.5' of 48" RCP N. end
Each end has 8' apron
D.A. = 77 Ac - R

REMOVE
Install 73"x45"x116' Arch RCP
F.L. = Lt. 712.72
Rt. 705.85

(5)
HILLTOP ACRES INC.

NE 1/4 NE 1/4
T-75N R-6W
SEC. 24

NW 1/4 NW 1/4
T-75N R-5W
SEC. 19

Columbus TWP.
T-75N R-5W
SEC. 19

Right of Way Design Information
THIS SHEET INCLUDED FOR INFORMATION ONLY

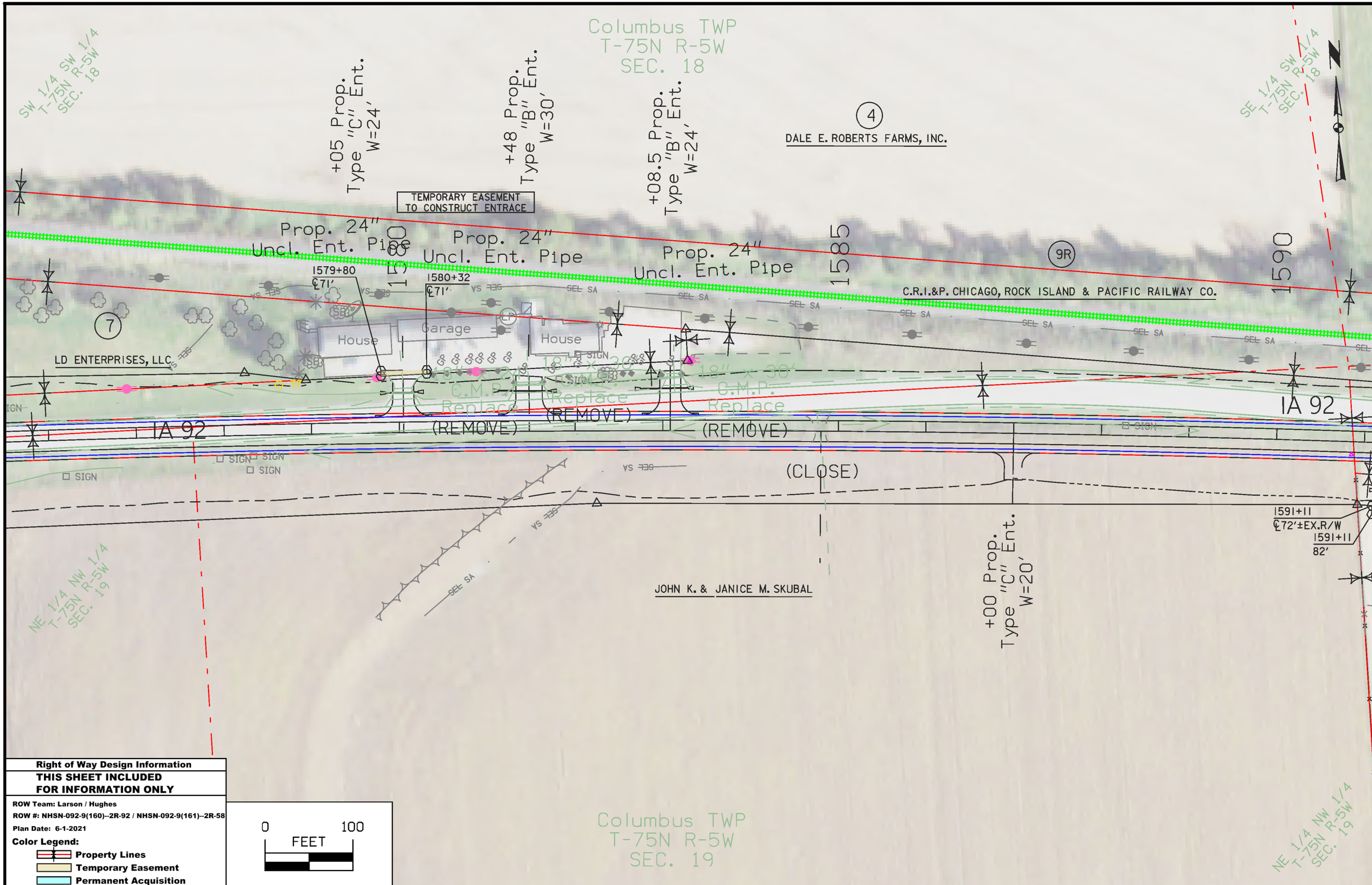
ROW Team: Larson / Hughes
ROW #: NHSN-092-9(160)--2R-92 / NHSN-092-9(161)--2R-58
Plan Date: 8-9-2021

Color Legend:
- Property Lines
- Temporary Easement
- Permanent Acquisition

0 100
FEET

FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON / LOUISA COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER H.8

7:32:08 PM 8/9/2021 CHUGHES pw:\\ntPwInt1.dot.int.lan:PWMain\Documents\Projects\9209201085\ROW\92092160.sht



Right of Way Design Information

THIS SHEET INCLUDED FOR INFORMATION ONLY

ROW Team: Larson / Hughes

ROW #: NHSN-092-9(160)--2R-92 / NHSN-092-9(161)--2R-58

Plan Date: 6-1-2021

Color Legend:

- Property Lines
- Temporary Easement
- Permanent Acquisition

FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON / LOUISA COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER H.9

7:55:52 AM 6/1/2021 CHUGHES pw:\\ntPwInt1.dot.int.lan:PWMain\Documents\Projects\9209201085\ROW\92092160.sht

Columbus TWP
T-75N R-5W
SEC. 18

SW 1/4 SE 1/4
T-75N R-5W
SEC. 18

SE 1/4 SE 1/4
T-75N R-5W
SEC. 18

N

1595

1600

1605

+88 Prop.
Type "C" Ent.
W=20'

42" CIP
Under RR
(UAC)

1597+68.85
81'±EX.R/W Cor.

9R

C.R.I.&P. CHICAGO, ROCK ISLAND & PACIFIC RAILWAY CO.

SIGN

SIGN

SIGN

IA 92

IA 92

10" x 40'
Plastic
(REMOVE)

1591+11
℄82'

1591+52
℄82'

TEMPORARY EASEMENT TO
CONSTRUCT ENTRANCE

+32 Prop.
Type "C" Ent.
W=20'

Prop. 24"
Uncl. Ent. Pipe

1597+21
℄85'±EX.R/W

1597+73
℄91'

1598+44.19
℄85'±EX.R/W Cor.

Sta. 34+29.6
Skew 0°
3' x 3' x 47.8' RCB
42" x 21.9' RCP S end
42" x 17' RCP N end
Each end has 8' apron
29°30' bend at S end RCB
D.A. = 56 Ac - R

REMOVE
Install
Skew = ° . Ahd.
F.L. = Lt. / Rt.

6

ROBERT G. & LORI S. DAVIS

Columbus TWP.
T-75N R-5W
SEC. 19

NW 1/4 NE 1/4
T-75N R-5W
SEC. 19

NE 1/4 NE 1/4
T-75N R-5W
SEC. 19

Right of Way Design Information
THIS SHEET INCLUDED FOR INFORMATION ONLY

ROW Team: Larson / Hughes
ROW #: NHSN-092-9(160)--2R-92 / NHSN-092-9(161)--2R-58
Plan Date: 10-6-2020

Color Legend:
- Property Lines
- Temporary Easement
- Permanent Acquisition

0 100
FEET

FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON / LOUISA COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER H.10

5:19:47 PM 1/20/2021 CHUGHES pw:\\ntPwInt1.dot.int.lan:PWMain\Documents\Projects\9209201085\ROW\92092160.sht

Columbus TWP
T-75N R-5W
SEC. 18

SE 1/4 SE 1/4
T-75N R-5W
SEC. 18

99-AA

1605

1610

1615

1620

60" RCP
Under RR
(UAC)

Sta. 49+47.9
Skew 0°
5' x 4' x 43.6' RCB
60" x 16.5' RCP S end
60" x 16.5' RCP N end
Each end has 8' apron
D.A. = 105 Ac - R

9R

C.R.I.&P. CHICAGO, ROCK ISLAND & PACIFIC RAILWAY CO.

IA 92

IA 92

SIGN

SIGN

SIGN

SIGN

SIGN

6

ROBERT G. & LORI S. DAVIS

NE 1/4 NE 1/4
T-75N R-5W
SEC. 19

Sta. 54+42.6
Skew 0°
6' X 6' X 57' RCB
D.A. = 224 Ac - R
(UAC)

99-AA

8

MILDRED D. BEAN

NW 1/4 NW 1/4
T-75N R-5W
SEC. 20

Barn

House

Barn

Garage

Columbus TWP.
T-75N R-5W
SEC. 19

Right of Way Design Information
THIS SHEET INCLUDED FOR INFORMATION ONLY

ROW Team: Larson / Hughes
ROW #: NHSN-092-9(160)--2R-92 / NHSN-092-9(161)--2R-58
Plan Date: 10-6-2020

Color Legend:
- Property Lines
- Temporary Easement
- Permanent Acquisition

0 100
FEET

FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON / LOUISA COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER H.11

5:29:31 PM 1/20/2021 CHUGHES pw:\\ntPwInt1.dot.int.lan:PWMain\Documents\Projects\9209201085\ROW\92092160.sht

Columbus TWP.
T-75N R-5W
SEC. 20

NW 1/4 NW 1/4
T-75N R-5W
SEC. 20

NE 1/4 NW 1/4
T-75N R-5W
SEC. 20

N

1620

1625

1630

Twin 48" CMP
Under RR
(UAC)

9R

C.R.I.&P. CHICAGO, ROCK ISLAND & PACIFIC RAILWAY CO.

42" CMP
Under RR
(UAC)

SIGN

IA 92

IA 92

1631+23.22
℄72'±EX.R/W

Gate

Sta. 59+89.4
Skew 0°
6' x 5' x 42.8' RCB
72" x 17.75' RCP S end
72" x 16.75' RCP N end
Each end has 8.25' apron
D.A. = 175 Ac - R

8

MILDRED D. BEAN

Sta. 69+33.4
Skew 0°
3' x 3' x 36.6' RCB
42" x 18.5' RCP S
42" x 18.5' N end
Each end has 8' apron
D.A. = 54 Ac - R

Barn

Right of Way Design Information
THIS SHEET INCLUDED FOR INFORMATION ONLY

ROW Team: Larson / Hughes
ROW #: NHSN-092-9(160)--2R-92 / NHSN-092-9(161)--2R-58
Plan Date: 8-9-2021

Color Legend:
- Property Lines
- Temporary Easement
- Permanent Acquisition

0 100
FEET

FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON / LOUISA COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER H.12

7:23:14 PM 8/9/2021 CHUGHES pw:\\ntPwInt1.dot.int.lan:PWMain\Documents\Projects\9209201085\ROW\92092160.sht

NE 1/4 NW 1/4
T-75N R-5W
SEC. 20

Columbus TWP.
T-75N R-5W
SEC. 20

NW 1/4 NE1/4
T-75N R-5W
SEC. 20

1635

1640

1645

9R

C.R.I.&P. CHICAGO, ROCK ISLAND & PACIFIC RAILWAY CO.

36" RCP
Under RR

30" CMP
Under RR

(UAC)

(UAC)

1644+28.98
℄66'±EX.R/W

1644+78.86
℄66'±EX.R/W

1646+52
℄55'±EX.R/W

1645+34
℄57'±EX.R/W

IA 92

IA 92

IA 92

1644+53±EX.R/W
℄74'

1645+43
℄88'±EX.R/W

1644+59.24
℄128'±℄

1645+14
℄128'

TEMPORARY EASEMENT TO
CONSTRUCT ENTRANCE

NE 1/4 NW 1/4
T-75N R-5W
SEC. 20

8

MILDRED D. BEAN

Sta. 81+53.1
Skew 4° (RA)
2' x 2' x 46.8' RCB
30" x 23.87' RCP S end
30" x 14.37' RCP N end
Each end has 6.13' apron
D.A. = 15 Ac - R

+00 Prop.
Type "C" Ent.
W=20'

10

GREGORY J. & TERI K. DOWNES

Columbus TWP.
T-75N R-5W
SEC. 20

NW 1/4 NE1/4
T-75N R-5W
SEC. 20

Right of Way Design Information
THIS SHEET INCLUDED FOR INFORMATION ONLY

ROW Team: Larson / Hughes
ROW #: NHSN-092-9(160)--2R-92 / NHSN-092-9(161)--2R-58
Plan Date: 8-9-2021

Color Legend:
- Property Lines
- Temporary Easement
- Permanent Acquisition

0 100
FEET

FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON / LOUISA COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER H.13

7:16:00 PM 8/9/2021 CHUGHES pw:\\ntPwInt1.dot.int.lan:PWMain\Documents\Projects\9209201085\ROW\92092160.sht

Columbus TWP.
T-75N R-5W
SEC. 20

NW 1/4 NE1/4
T-75N R-5W
SEC. 20

NE 1/4 NE 1/4
T-75N R-5W
SEC. 20

N

1650

1655

1660

40" RCP
Under RR
(UAC)

36" CMP
Under RR
(UAC)

48" CMP
Under RR
(UAC)

9R

C.R.I.&P. CHICAGO, ROCK ISLAND & PACIFIC RAILWAY CO.

1649+25
℄68'

1654+23
℄68'

1657+81
℄71'

1660+87
℄71'

1653+70
℄90'±EX.R/W

1654+13
℄95'

1655+85
℄95'

1655+91
℄89'±EX.R/W

1661+62
℄98'±EX.R/W

1661+65
℄126'

1662+10
℄129'

1662+13
℄98'±EX.R/W

10

GREGORY J. & TERI K. DOWNES

NW 1/4 NE1/4
T-75N R-5W
SEC. 20

Sta. 90+07.3
Skew 0°
3' x 3' x 49' RCB
42" x 21' RCP S end
42" x 6' RCP N end
Each end has 8' apron
D.A. = 38 Ac - R

11

CALDWELL & WILLIAMS FAMILY FARMS, LLLP

TEMPORARY EASEMENT
TO SHAPE

Columbus TWP.
T-75N R-5W
SEC. 20

Sta. 98+72.4
Skew 0°
3' x 2' x 51.8' RCB
36" x 17.67' flume S end
36" x 38' RCP S end
36" x 12.7' RCP N end
8' apron N end
D.A. = 18 Ac - R

NE 1/4 NE1/4
T-75N R-5W
SEC. 20

Right of Way Design Information

THIS SHEET INCLUDED FOR INFORMATION ONLY

ROW Team: Larson /Hughes

ROW #: NHSN-092-9(160)--2R-92 / NHSN-092-9(161)--2R-58

Plan Date: 8-9-2021

Color Legend:

- Property Lines
- Temporary Easement
- Permanent Acquisition

0 100
FEET

FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON / LOUISA COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER H.14

7:08:25 PM 8/9/2021 CHUGHES pw:\\ntPwInt1.dot.int.lan:PWMain\Documents\Projects\9209201085\ROW\92092160.sht

NE 1/4 NE 1/4
T-75N R-5W
SEC. 20

Columbus TWP.
T-75N R-5W
SEC. 20

Columbus TWP
T-75N R-5W
SEC. 21

NW 1/4 NW 1/4
T-75N R-5W
SEC. 21

N

1665

1670

1675

24" Steel Pipe
Under RR
(UAC)

RXR Xing (CLOSED)

42" x 30'
R.C.P.
(REMOVED BY OTHERS)

60" RCP
Under RR
(UAC)

9R

C.R.I.&P. CHICAGO, ROCK ISLAND & PACIFIC RAILWAY CO.

1664+98
℄63'

1666+64
℄45'±EX.R/W

SIGN

IA 92

24" x 73'
R.C.P.
(REMOVE)

11

CALDWELL & WILLIAMS FAMILY FARMS, LLLP

Sta. 111+74.0
Skew 0°
4' x 3' x 50.6' RCB
48" x 24' RCP S end
8' apron S end
No pipe N end 8' apron
D.A. = 250 AC. - R

SW 1/4 NW 1/4
T-75N R-5W
SEC. 21

SE 1/4 NE1/4
T-75N R-5W
SEC. 20

Columbus TWP
T-75N R-5W
SEC. 20

Columbus TWP
T-75N R-5W
SEC. 21

Right of Way Design Information
THIS SHEET INCLUDED FOR INFORMATION ONLY

ROW Team: Larson / Hughes
ROW #: NHSN-092-9(160)--2R-92 / NHSN-092-9(161)--2R-58
Plan Date: 8-9-2021

Color Legend:
- Property Lines
- Temporary Easement
- Permanent Acquisition

0 100
FEET

FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON / LOUISA COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER H.15

6:54:56 PM 8/9/2021 CHUGHES pw:\\ntPwInt1.dot.int.lan:PWMain\Documents\Projects\9209201085\ROW\92092160.sht

NW 1/4 NW 1/4
T-75N R-5W
SEC. 21

Columbus TWP.
T-75N R-5W
SEC. 21

NE 1/4 NW 1/4
T-75N R-5W
SEC. 21

N

1680

1685

1690

+53 Prop.
Type "C" Ent.
W=30'

TEMPORARY EASEMENT TO CONSTRUCT ENTRANCE

48" CMP
Under RR
(UAC)

36" x 50'
Plastic
(UAC)

36" x 64'
Plastic
(UAC)

66" CMP
Under RR
(UAC)

9R

C.R.I.&P. CHICAGO, ROCK ISLAND & PACIFIC RAILWAY CO.

1686+10
℄60'

1686+94
℄60'

1690+23.86
℄72'±EX.R/W Cor.

SIGN

IA 92

IA 92

1689+95
℄95'

1690+14
℄95'

TEMPORARY EASEMENT TO SHAPE

Sta. 119+24.8
Skew 0°
4' x 3' x 49.1' RCB
48" x 22' RCP S end
48" x 6.5' RCP N end
Each end has 8' aprons
D.A. = 22 Ac - R

Sta. 123+37.0
Skew 0°
5' x 5' x 40.5' RCB
66" x 18.25' RCP S end
66" x 17.25' RCP N end
Each end has 8'25' apron
D.A. = 48 Ac - R

11

CALDWELL & WILLIAMS FAMILY FARMS, LLLP

12

MARVIN HARDY JR. & JENNIFER WALKER

Columbus TWP.
T-75N R-5W
SEC. 21

SW 1/4 NW 1/4
T-75N R-5W
SEC. 21

SE 1/4 NW 1/4
T-75N R-5W
SEC. 21

Right of Way Design Information
THIS SHEET INCLUDED FOR INFORMATION ONLY

ROW Team: Larson / Hughes
ROW #: NHSN-092-9(160)--2R-92 / NHSN-092-9(161)--2R-58
Plan Date: 8-9-2021

Color Legend:
- Property Lines
- Temporary Easement
- Permanent Acquisition

0 100
FEET

FILE NO.	ENGLISH	DESIGN TEAM	J1a \ Miller \ Altenhofen		WASHINGTON / LOUISA	COUNTY	PROJECT NUMBER	NHSX-092-9(57)--3H-92	SHEET NUMBER	H.16	

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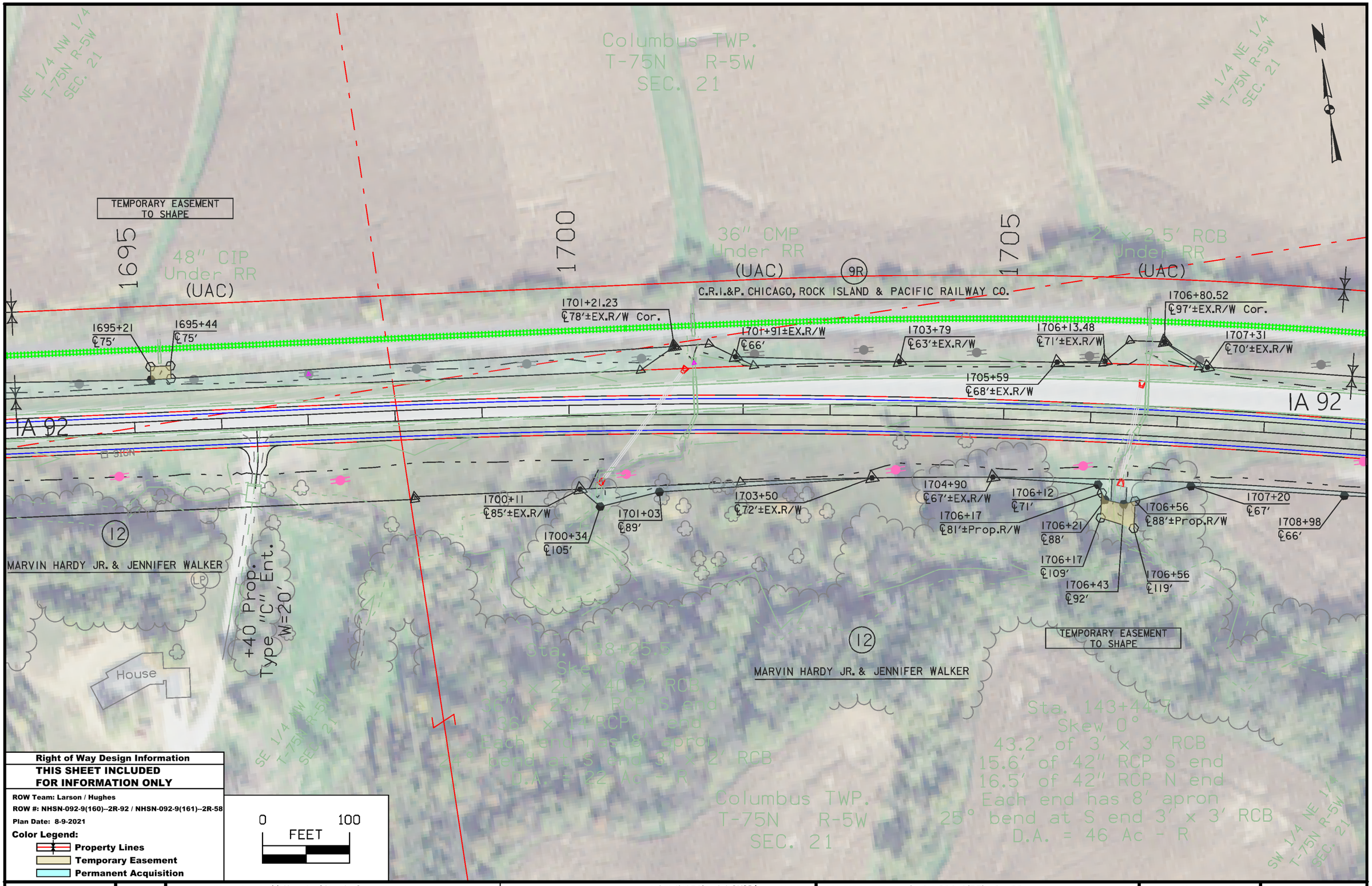


Right of Way Design Information

THIS SHEET INCLUDED FOR INFORMATION ONLY

ROW Team: Larson / Hughes

ROW #: NHSN-092-9(160)--2R-92 / NHSN-092-9(161)--2R-58

Plan Date: 8-9-2021

Color Legend:

- Property Lines
- Temporary Easement
- Permanent Acquisition

FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON / LOUISA COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER H.17

6:34:18 PM 8/9/2021 CHUGHES pw:\\ntPwInt1.dot.int.lan:PWMain\Documents\Projects\9209201085\ROW\92092160.sht

NW 1/4 NE 1/4 T-75N R-5W SEC. 21

NE 1/4 NE 1/4 T-75N R-5W SEC. 21

SE 1/4 NE 1/4 T-75N R-5W SEC. 21

Sta. 153+98.9
Skew 0°
6' x 5' x 52.4' RCB
72" x 22.25' RCP S end
72" x 12.75' RCP N end
Each end has 8.25' apron
D.A. = 67 Ac - R

4.2' x 4.8' RCB
Under RR

7110

1715

1720

13

WILLIAM EDWARD SKUBAL SR.
& CYNTHIA LOU SKUBAL

TEMPORARY EASEMENT
TO SHAPE

9R

C.R.I.&P. CHICAGO, ROCK ISLAND & PACIFIC RAILWAY CO.

1717+05
℄90'

(UAC)

1713+92
℄87'

1716+13
℄56±EX.R/W

1716+94.78
℄76'±EX.R/W Cor.

1717+29
℄90'

1717+34.48
℄75'±EX.R/W Cor.

1711+63.24
℄70'±EX.R/W Cor.

1712+28
℄87'

1715+69
℄58'±EX.R/W

1720+43
℄63'

1723+62
℄78'

1720+00
℄45'±EX.R/W

IA 92

IA 92

SIGN

1712+50.01
℄45'±EX.R/W

1717+43
℄69'

1709+99
℄62'±EX.R/W

1708+98
℄66'

1717+25
℄104'

18" x 30'
C.M.P.
(REMOVE)

18" x 20'
C.M.P.
(UAC)

13

WILLIAM EDWARD SKUBAL SR.
& CYNTHIA LOU SKUBAL

Sta. 149+16.15
Skew 0°
Twin 12' x 12' x 40' RCB
D.A. = 1261 Ac - R

TEMPORARY EASEMENT TO
CONSTRUCT ENTRANCE

10+69 Prop.
Type "C" Ent.
W=20'
Prop. 24"
Uncl. Ent. Pipe

12

MARVIN JR. &
JENNIFER WALKER HARDY

18" x 20'
C.M.P.
(UAC)

MAIN ℄

Columbus TWP.
T-75N R-5W
SEC. 21

SE 1/4 NE 1/4 T-75N R-5W SEC. 21

Right of Way Design Information

THIS SHEET INCLUDED FOR INFORMATION ONLY

ROW Team: Larson / Hughes

ROW #: NHSN-092-9(160)--2R-92 / NHSN-092-9(161)--2R-58

Plan Date: 8-23-2021

Color Legend:

- Property Lines
- Temporary Easement
- Permanent Acquisition

0 100
FEET

FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON / LOUISA COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER H.18

3:44:44 PM 8/23/2021 CHUGHES pw:\\ntPwInt1.dot.int.lan:PWMain\Documents\Projects\9209201085\ROW\92092160.sht

1725

1730

9R

1735

ABANDONED

(UAC)

1723+62
℄78'

1728+05
℄78'

C.R.I.&P. CHICAGO, ROCK ISLAND & PACIFIC RAILWAY CO.

1731+56.36
℄44'±EX.R/W Cor.

1732+46.73
℄70'±EX.R/W Cor.

1738+66
℄65'

IA 92

IA 92

1725+87.72
57'±℄

KDN CATTLE, LLC

13

WILLIAM EDWARD SKUBAL SR.
& CYNTHIA LOU SKUBAL

Right of Way Design Information
THIS SHEET INCLUDED FOR INFORMATION ONLY

ROW Team: Larson / Hughes
ROW #: NHSN-092-9(160)--2R-92 / NHSN-092-9(161)--2R-58
Plan Date: 8-9-2021

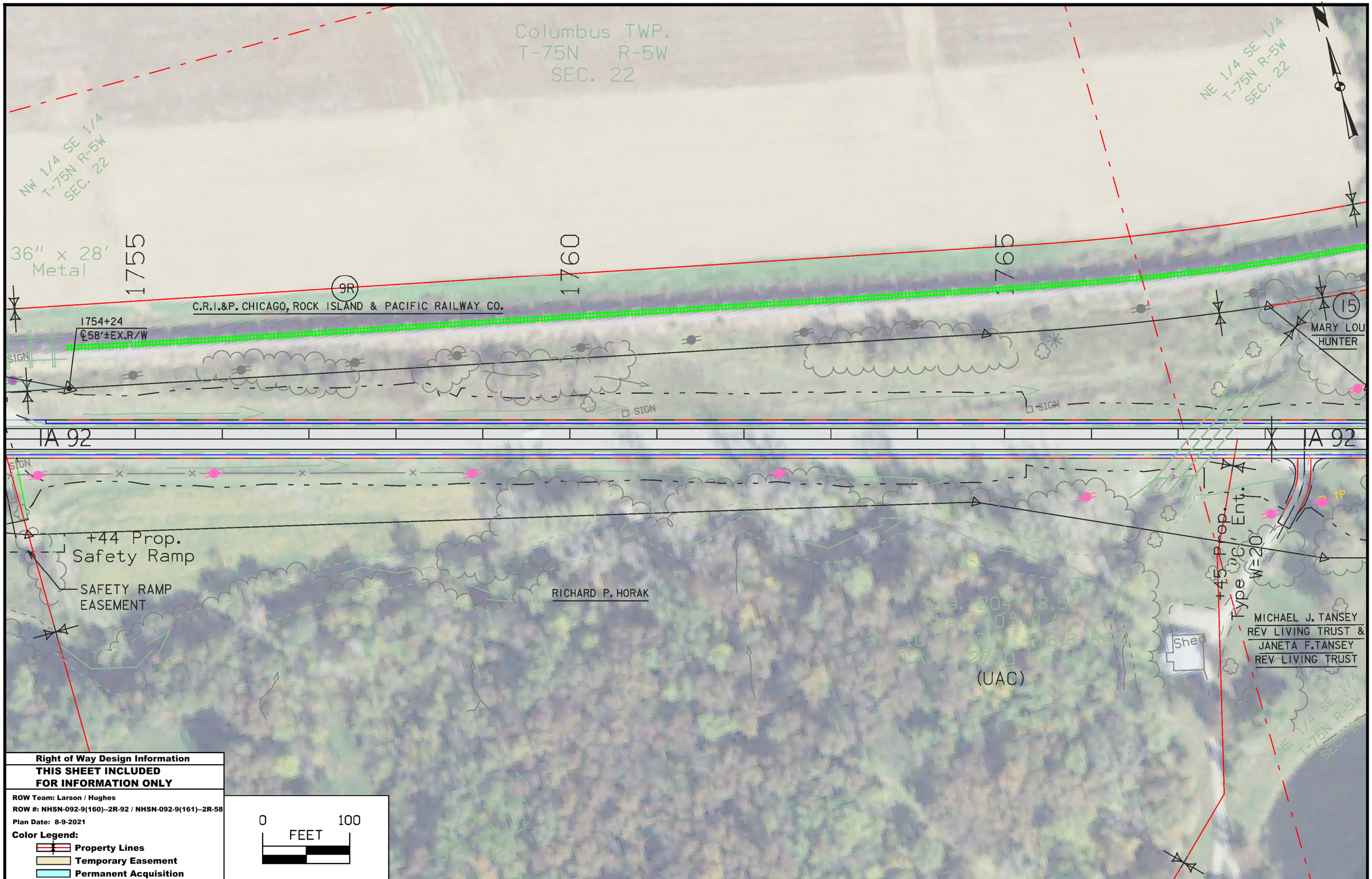
Color Legend:
- Property Lines
- Temporary Easement
- Permanent Acquisition

0 100
FEET

FILE NO.	ENGLISH	DESIGN TEAM	Jia \ Miller \ Altenhofen	WASHINGTON / LOUISA COUNTY	PROJECT NUMBER	NHSX-092-9(57)--3H-92	SHEET NUMBER	H.19

6:13:08 PM 8/9/2021 CHUGHES pw:\\ntPwInt1.dot.int.lan:PWMain\Documents\Projects\9209201085\ROW\92092160.sht

1740
1745
1750
9R
1738+66
℄65'
1741+91
℄73'
1746+50
℄73'
1750+00
℄71'
1753+37
℄74'
C.R.I.&P. CHICAGO, ROCK ISLAND & PACIFIC RAILWAY CO.
IA 92
IA 92
SIGN
SIGN
SIGN



Right of Way Design Information

THIS SHEET INCLUDED FOR INFORMATION ONLY

ROW Team: Larson / Hughes

ROW #: NHSN-092-9(160)--2R-92 / NHSN-092-9(161)--2R-58

Plan Date: 8-9-2021

Color Legend:

- Property Lines
- Temporary Easement
- Permanent Acquisition

FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON / LOUISA COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER H.21

5:57:09 PM 8/9/2021 CHUGHES pw:\\ntPwInt1.dot.int.lan:PWMain\Documents\Projects\9209201085\ROW\92092160.sht

Columbus TWP.
T-75N R-5W
SEC. 22

NE 1/4 SE 1/4
T-75N R-5W
SEC. 22

NW 1/4 SW 1/4
T-75N R-5W
SEC. 23

SW 1/4 SW 1/4
T-75N R-5W
SEC. 23

9R
C.R.I.&P. CHICAGO, ROCK ISLAND & PACIFIC RAILWAY CO.

15
MARY LOU HUNTER

1770

1775

1780

+19 Prop.
Type "C" Ent.
W=20'

House

Garage

1783+99
℄301'

15
MARY LOU HUNTER

TEMPORARY EASEMENT TO
CONSTRUCT ENTRANCE

1783+72
℄153'±EX.R/W

IA 92

IA 92

TP

TP

TP

MICHAEL J. TANSEY REV LIVING TRUST
&
JANETA F. TANSEY REV LIVING TRUST

Sta. 209+99.4
Skew 0°
x 2' x 71.5' RCB (from plan set)
30" x 13.37' RCP S end
42.87' of 30" x 42.87' RCP N end
Each end has 6.13' apron
D.A. = 2 Ac - R

1777+30
℄136'±EX.R/W

1777+35
℄144'

TANSEY PROPERTIES, LLC

Sta. 214+70.1
Skew 30° (R)
10' X 10' X 102' RCB
D.A. = 48.0 Ac - R

1777+84
℄136'±EX.R/W

1777+82
℄144'

14
ROD STAATS

TEMPORARY EASEMENT
TO SHAPE

+40 Prop.
Type "C" Ent.
W=20'

16
BRIAN DOUGLAS & KRISTIE J. CUMMINGS

24" x 48'
C.M.P.

Right of Way Design Information
THIS SHEET INCLUDED FOR INFORMATION ONLY

ROW Team: Larson / Hughes
ROW #: NHSN-092-9(160)--2R-92 / NHSN-092-9(161)--2R-58
Plan Date: 8-9-2021

Color Legend:
- Property Lines
- Temporary Easement
- Permanent Acquisition

0 100
FEET

FILE NO.	ENGLISH	DESIGN TEAM	J1a \ Miller \ Altenhofen	WASHINGTON / LOUISA	COUNTY	PROJECT NUMBER	NHSX-092-9(57)--3H-92	SHEET NUMBER	H.22

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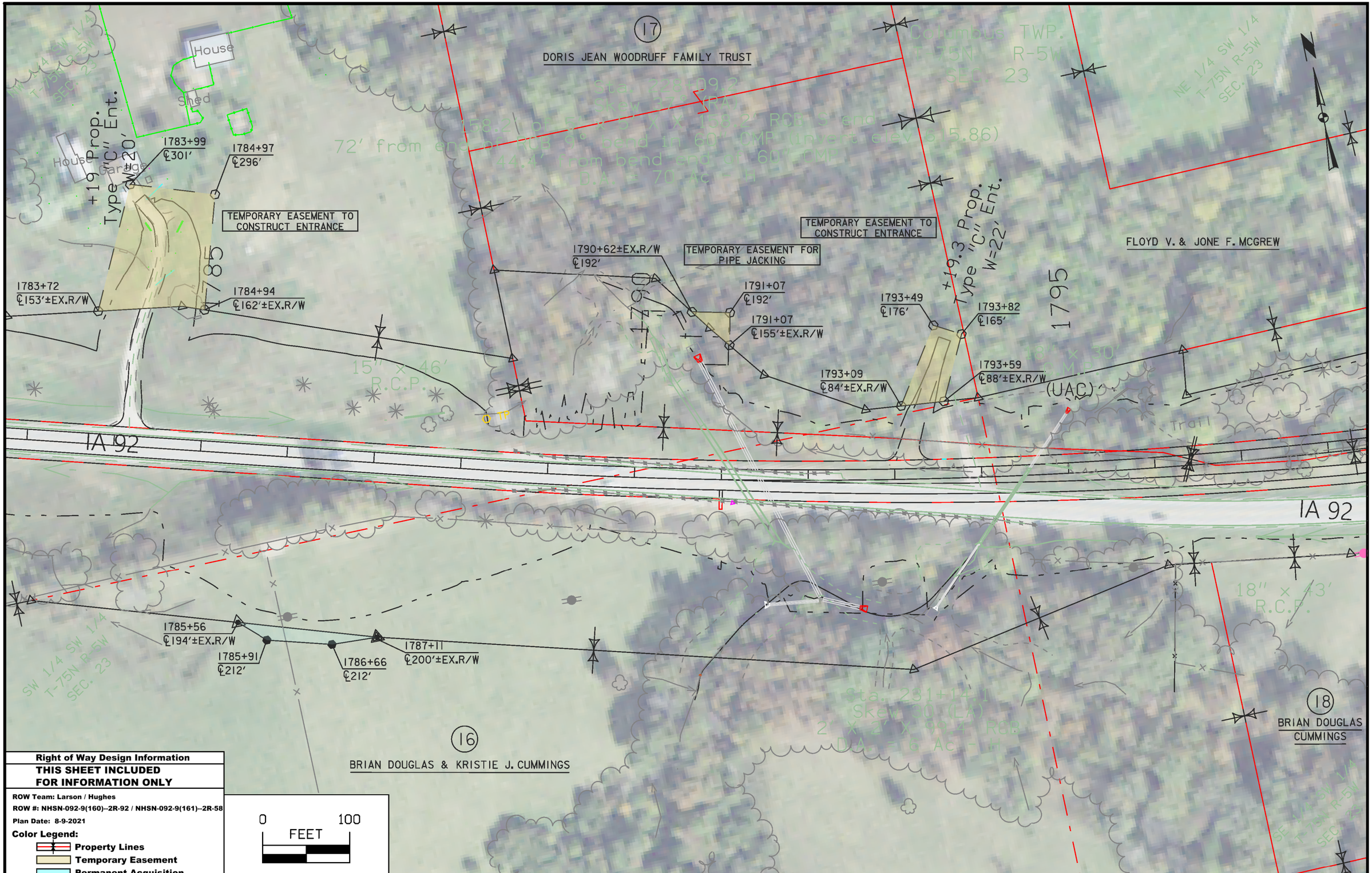

Right of Way Design Information

THIS SHEET INCLUDED FOR INFORMATION ONLY

ROW Team: Larson / Hughes

ROW #: NHSN-092-9(160)--2R-92 / NHSN-092-9(161)--2R-58

Plan Date: 8-9-2021

Color Legend:

- Property Lines
- Temporary Easement
- Permanent Acquisition

FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON / LOUISA COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER H.23

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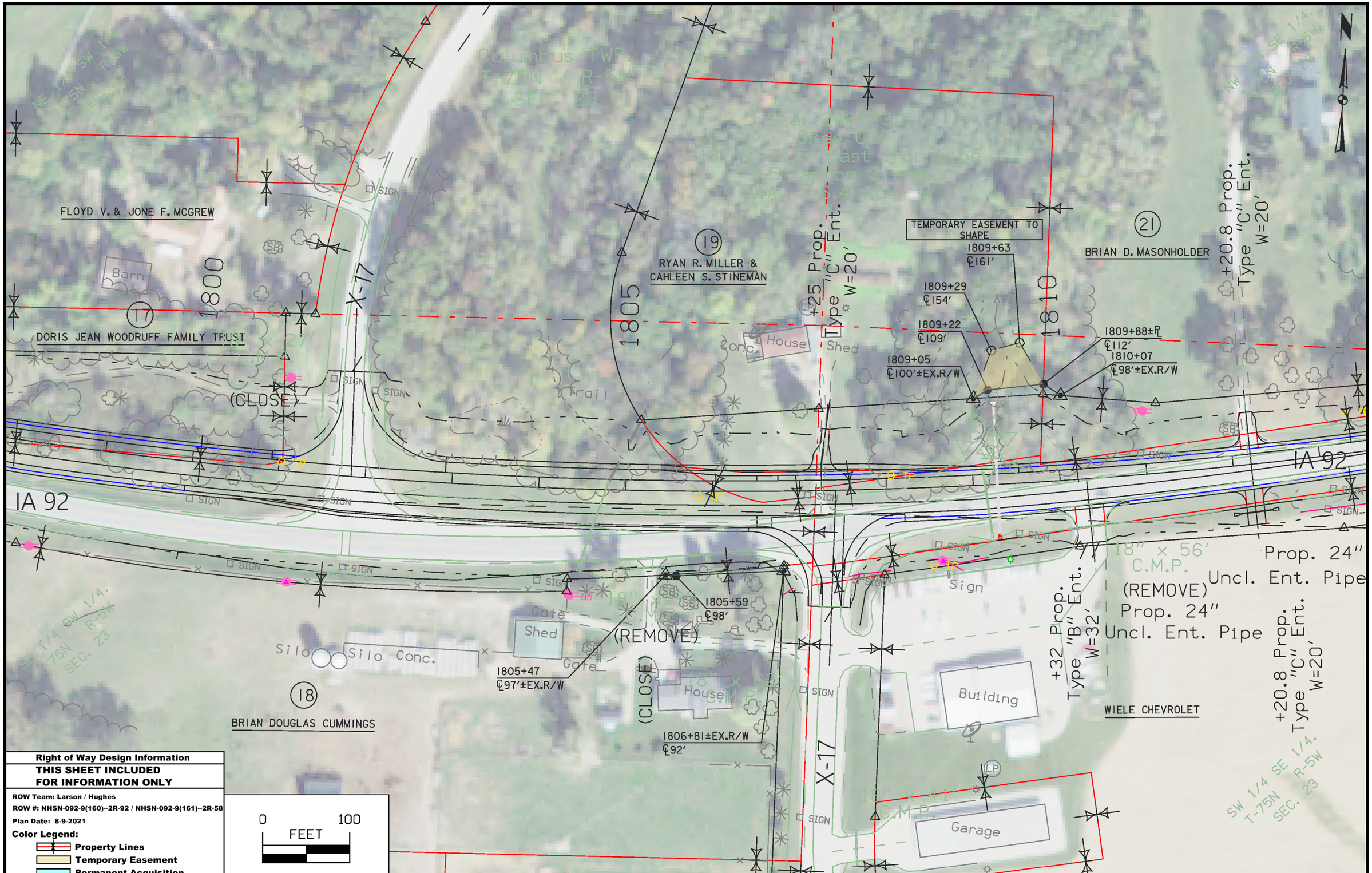

Right of Way Design Information
THIS SHEET INCLUDED FOR INFORMATION ONLY

ROW Team: Larson / Hughes
ROW #: NHSN-092-9(160)--2R-92 / NHSN-092-9(161)--2R-58
Plan Date: 8-9-2021

Color Legend:
- Property Lines
- Temporary Easement
- Permanent Acquisition

FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON / LOUISA COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER H.24

2:24:00 PM 8/9/2021 CHUGHES pw:\\ntPwInt1.dot.int.lan:PWMain\Documents\Projects\9209201085\ROW\92092160.sht

TEMPORARY EASEMENT TO CONSTRUCT ENTRANCE

21

BRIAN D. MASONHOLDER

23

ROBERT J. & JOCELYN MORGAN

JOY G. LEKWA

1815

1820

1825

+77 Prop. Type "C" Ent. W=20'

+25.90 Prop. Type "C" Ent. W=20'

+38 Prop. Jt. Type "C" Ent. W=20'

1820+46±℄ 69'

1820+06 ℄71'

1820+46±℄ ℄74'

1820+06 ℄68'±Prop.R/W

Prop. 18" Uncl. Ent. Pipe

1819+24.74 ℄69'±EX.R/W Cor.

(REMOVE)

(REMOVE)

(REMOVE)

1822+39±℄ ℄72'

1823+93.66 ℄85'±EX.R/W Cor.

Sta. 263+78.4
Skew 0°
2' x 2' x 50.4' RCB
30" x 36.9' RCP S end
30" x 14.4' RCP N end
Each end has 6.13' apron
D.A. = 2 Ac - R

House

Shed

Trail

15" x 33' C.M.P.

IA 92

SIGN

18" x 104' C.M.P.

Canopy

Gate

Prop. 24" Uncl. Ent. Pipe

Prop. 24" Uncl. Ent. Pipe

Building

Orchard

1827+07±EX.R/W ℄78'

1827+77 ℄65'

SW 1/4 SE 1/4 T-75N R-5W SEC. 23

AGRILAND FS, INC

WIELE CHEVROLET

+85.5 Prop. Type "B" Ent. W=45'

+51 Prop. Type "C" Ent. W=25'

20

THOMAS L. & LAURIE BEAN

SE 1/4 SE 1/4 T-75N R-5W SEC. 23

Right of Way Design Information
THIS SHEET INCLUDED FOR INFORMATION ONLY

ROW Team: Larson / Hughes
ROW #: NHSN-092-9(160)--2R-92 / NHSN-092-9(161)--2R-58
Plan Date: 8-9-2021

Color Legend:
- Property Lines
- Temporary Easement
- Permanent Acquisition

0 100 FEET

FILE NO.	ENGLISH	DESIGN TEAM J1a \ Miller \ Altenhofen	WASHINGTON / LOUISA COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER H.25

2:35:09 PM 8/9/2021 CHUGHES pw:\\ntPwInt1.dot.int.lan:PWMain\Documents\Projects\9209201085\ROW\92092160.sht

TEMPORARY EASEMENT TO CONSTRUCT ENTRANCE

(23) ROBERT J. & JOCELYN MORGAN

+00 Prop. Type "C" Ent. W=20'

1830

1832+13 ℄70'

1832+13 ℄65'±Prop. R/W

1831+95 ℄70'

1831+81 ℄65'±EX.R/W

1833+45±P ℄65'

1833+65 ℄64'±EX.R/W

1835

+13.4 Prop. Type "C" Ent. W=20'

GUY PAUL & LORA M. MORGAN

Prop. 24" Uncl. Ent. Pipe

(REMOVE)

IA 92

1830+23±EX.R/W ℄70'

(20) THOMAS E. & LAURIE BEAN

ARNOLD THOMAS SRP & IRMA JEAN MRAZEK

(25) BOBBI JO GARRETT

1840

+61 Prop. Type "C" Ent. W=20'

1840+75 ℄62'±EX.R/W

1842+57 ℄66'±EX.R/W

Prop. 24" Uncl. Ent. Pipe

IA 92

(REMOVE)

1842+82.8± ℄70'±P

1843+5±Lot line ℄75'

+50 Prop. Type "C" Ent. W=20'

Prop. 24" Uncl. Ent. Pipe

(REMOVE)

(22) DARREL THOMAS & MARY TERRI BELL TRUST
CP:SALVADOR JR & ARACELI ZAMARRIPA

Right of Way Design Information
THIS SHEET INCLUDED FOR INFORMATION ONLY

ROW Team: Larson / Hughes
ROW #: NHSN-092-9(160)--2R-92 / NHSN-092-9(161)--2R-58
Plan Date: 8-8-2021

Color Legend:
- Property Lines
- Temporary Easement
- Permanent Acquisition

0 100 FEET

FILE NO.	ENGLISH	DESIGN TEAM	Jia \ Miller \ Altenhofen	WASHINGTON / LOUISA COUNTY	PROJECT NUMBER	NHSX-092-9(57)--3H-92	SHEET NUMBER	H.26

2:56:50 PM 8/9/2021 CHUGHES pw:\\ntPwInt1.dot.int.lan:PWMain\Documents\Projects\9209201085\ROW\92092160.sht

(27)
JONATHAN R. HOBACK

(25)
BOBBI JO GARRETT

(29)
KYLE P KLING

(33)
LARRY K. & LAURA A. MINCER

CSL IOWA SYSTEM, LLC

Hilltop Road

TEMPORARY EASEMENT TO CONSTRUCT ENTRANCE

IA 92

IA 92

(24)
DAVID D. & PAMELA J. NAUERTH

(22)
DARREL THOMAS & MARY TERRI BELL TRUST
CP:SALVADOR JR & ARACELI ZAMARRIPA

ARNOLD THOMAS SRP & IRMA JEAN MRAZEK

(26)
MICHAEL P. & SHARI SCHLEEF

(28)
ANDREW J. CARPENTER

(30)
NICHOLAS J. MOSIER

(34)
JAY T. & SUSAN E. SCHWEITZER

1849+23.51 ℄65'±EX.R/W Cor.
1848+60 ℄72'
1848+35 ℄63'±EX.R/W
1848+46±℞ 62'
1847+65 ℄67'±EX.R.W
1847+33 ℄73'
1846+78 ℄73'
1846+57.40 ℄70'±EX.R/W Cor.
1845+63±℞ ℄73'
1843+53±Lot line ℄75'
1850+26±℞ ℄62'
1851+55 ℄55'±EX.R/W
1853+53 ℄60'±EX,R/W
1853+58 ℄60'±EX.R/W
1854+27 ℄64'
1853+85±℞ ℄64'
1855+15±℞ ℄62'
1855+43±℞ ℄65'
1855+91 ℄61'
1855+93 ℄59'
1856+22 ℄60'±EX.R/W
1856+39 ℄68'
1856+39 ℄59'±Prop.R/W
1856+43 ℄71'
1856+81 ℄68'
1856+81 ℄60'±Prop.R/W
1856+81 ℄71'
1857+04±EX.R/W ℄67'
1856+81 ℄65'±Prop.R/W
1856+39 ℄62'±Prop.R/W

+74 Prop. Type "C" Ent. W=20'
+40.6 Prop. Type "C" Ent. W=20'
+37.2 Prop. Type "B" Ent. W=24'
+46 Prop. Jt. Type "C" Ent. W=20'
+06.3 Prop. Type "C" Ent. W=20'
+08.4 Prop. Jt. Type "C" Ent. W=30'
+60 Prop. Type "B" Ent. W=25'
+60 Prop. Type "C" Ent. W=20'

Prop. 18" Uncl. Ent. Pipe (REMOVE)
18" x 48' R.C.P.
18" x 32' C.M.P. (REMOVE)
Prop. 24" Uncl. Ent. Pipe
Prop. 18" Uncl. Ent. Pipe
Prop. 18" Uncl. Ent. Pipe
Prop. 24" Uncl. Ent. Pipe 18" x 40' C.M.P. (REMOVE)
18" x 28' C.M.P. (REMOVE)
18" x 34' C.M.P. (REMOVE)

TEMPORARY EASEMENT TO CONSTRUCT ENTRANCE

Right of Way Design Information
THIS SHEET INCLUDED FOR INFORMATION ONLY

ROW Team: Larson / Hughes
ROW #: NHSN-092-9(160)--2R-92 / NHSN-092-9(161)--2R-58
Plan Date: 9-8-2021
Color Legend:
Property Lines
Temporary Easement
Permanent Acquisition

0 100 FEET

FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON / LOUISA COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER H.27

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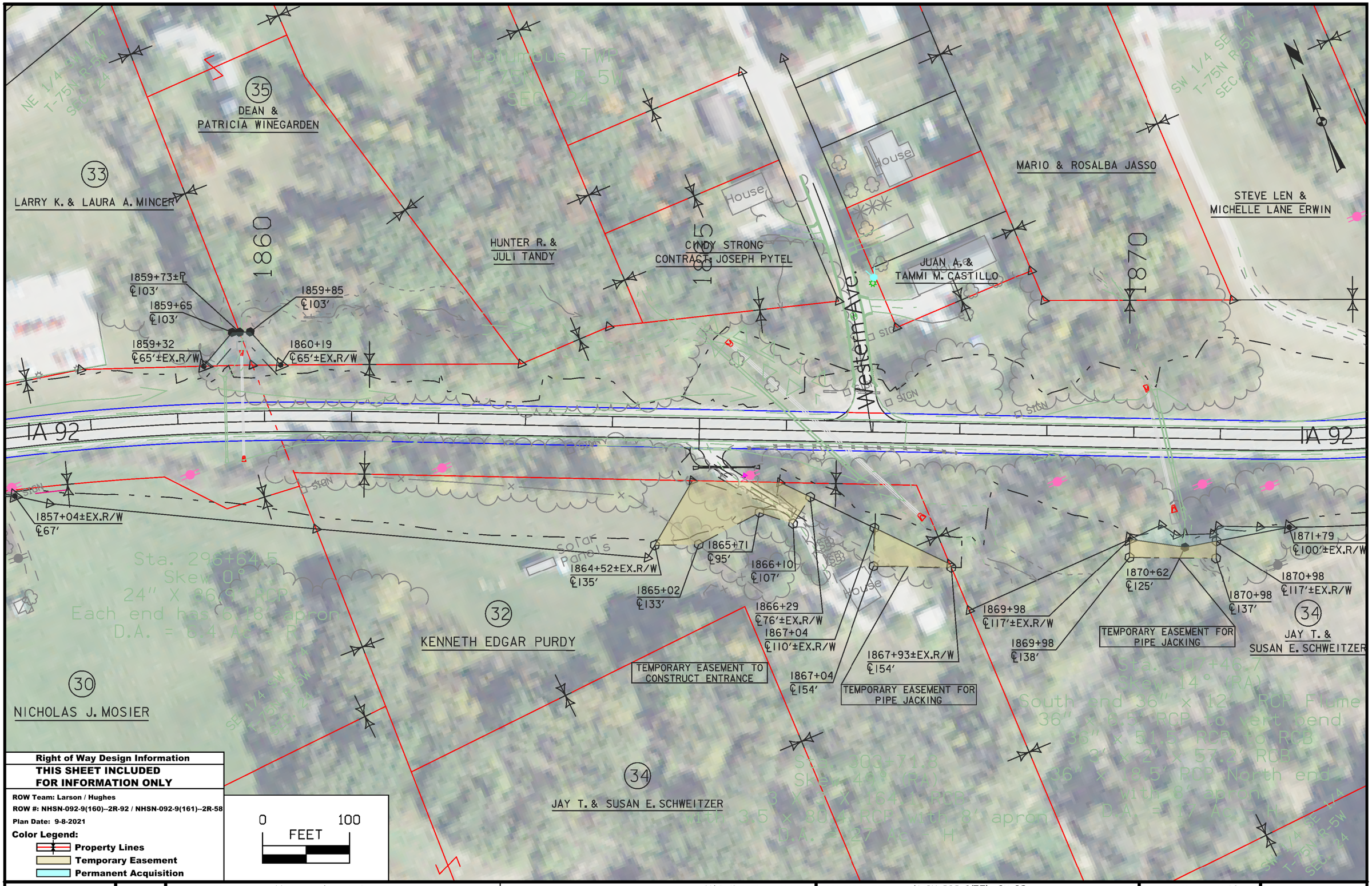

FILE NO.	ENGLISH	DESIGN TEAM	J1a \ Miller \ Altenhofen		WASHINGTON COUNTY	PROJECT NUMBER	NHSX-092-9(57)--3H-92	SHEET NUMBER	H.28	

7:51:06 AM 9/8/2021 CHUGHES pw:\\ntPwInt1.dot.int.lan:PWMain\Documents\Projects\9209201085\ROW\92092160.sht

MARIO & ROSALBA JASSO

STEVE LEN & MICHELLE LANE ERWIN

1870

+35 Prop. Type "C" Ent. W=20'

1875

Prop. 24" Uncl. Ent. Pipe

18" x 40' C.M.P. (REMOVE)

IA 92

1870+98 ℄117'±Prop.R/W

1871+79 ℄100'±EX.R/W

37

MICHAEL G. & JERA L. WINTERS

TEMPORARY EASEMENT TO CONSTRUCT ENTRANCE

1880

+40 Prop. Type "C" Ent. W=20'

1880+16 ℄88'

1880+36 ℄88'

1880+50 ℄80'±EX.R/W

(REMOVE)

VICTORY CHRISTIAN CENTER OF COLOMBUS JUNCTION, IOWA, INC

1885

29A

KYLE P. KLING

SIGN

SIGN

SIGN

SIGN

IA 92

COLONIAL HIEGHTS, LLC

Sta. 317+14.4
Skew 0°
3' x 3' x 42.4' RCB
42" x 16.5' RCP Inland N. ends
Each end has 8' apron
D.A. = 36 Ac ±

34

JAY T. & SUSAN E. SCHWEITZER

Columbus TWP.
T-75N R-5W
SEC. 24

SW 1/4 SE 1/4 T-75N R-5W SEC. 24

SE 1/4 SW 1/4 T-75N R-5W SEC. 24

Right of Way Design Information

THIS SHEET INCLUDED FOR INFORMATION ONLY

ROW Team: Larson / Hughes

ROW #: NHSN-092-9(160)--2R-92 / NHSN-092-9(161)--2R-58

Plan Date: 9-8-2021

Color Legend:

- Property Lines
- Temporary Easement
- Permanent Acquisition

0 100 FEET

FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON / LOUISA COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER H.29

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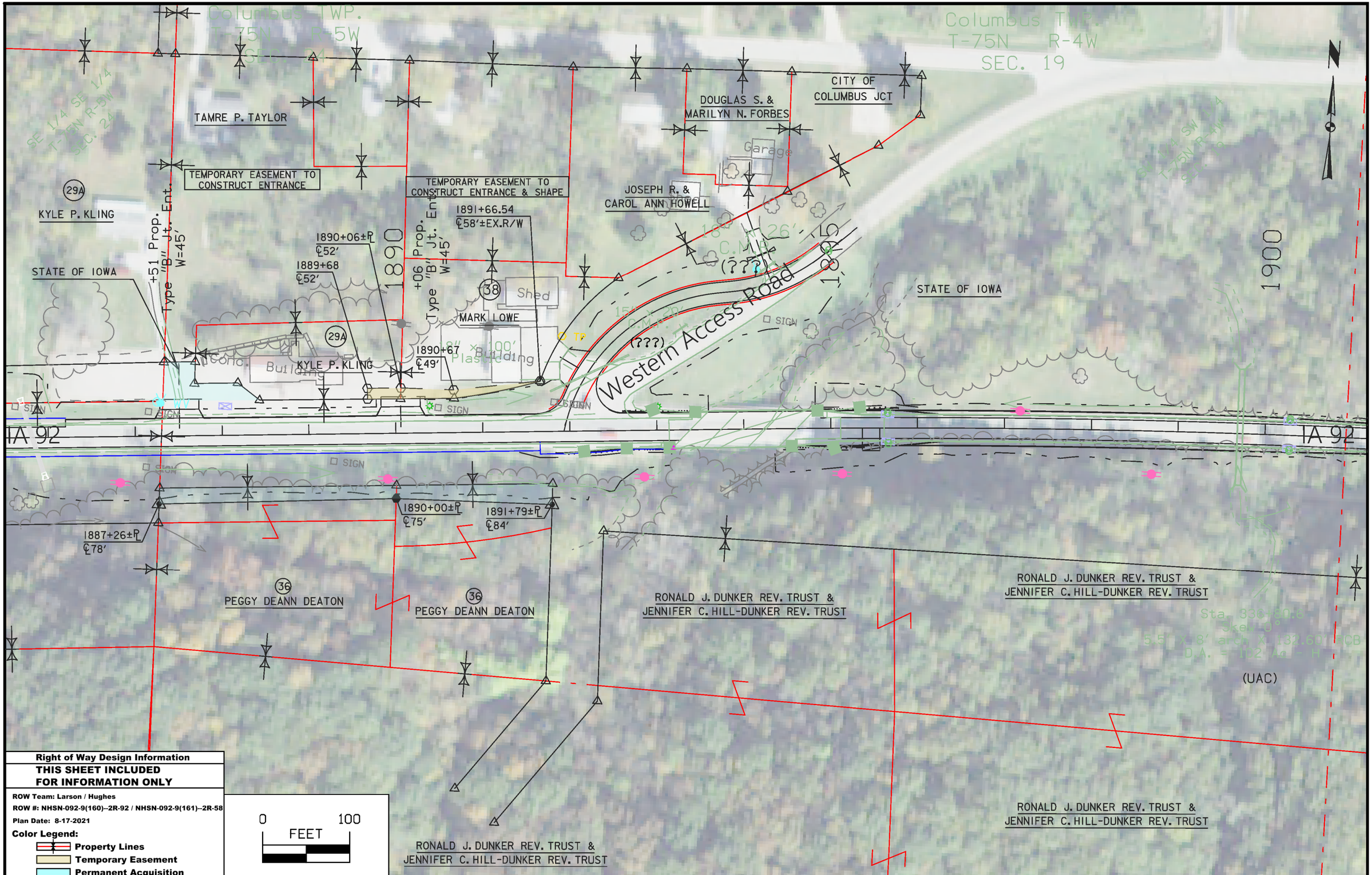

Right of Way Design Information

THIS SHEET INCLUDED FOR INFORMATION ONLY

ROW Team: Larson / Hughes

ROW #: NHSN-092-9(160)--2R-92 / NHSN-092-9(161)--2R-58

Plan Date: 8-17-2021

Color Legend:

- Property Lines
- Temporary Easement
- Permanent Acquisition

FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON / LOUISA COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER H.30

12:56:51 PM 8/17/2021 CHUGHES pw:\\ntPwInt1.dot.int.lan:PWMain\Documents\Projects\9209201085\ROW\92092160.sht

Columbus TWP.
T-75N R-4W
SEC. 19

SE 1/4 SW 1/4
T-75N R-4W
SEC. 19

IA 92

1903+17.11
℄40'±EX.R/W Cor.

1903+17.06
℄30'±Lot Line

1905+77.08
℄30'±Lot Line

1905+77.37
℄60'±EX.R/W Cor.

IA 92

LARRY LIKS

+92 Prop. Future 4th Street W=30'

33

LARRY K. & LAURA A. MINCER

+35 Prop. Type "B" Ent. W=24'

+92 Prop. Type "B" Ent. W=42'

ELI J. & AMY HOAG

1905

STATE OF IOWA

FUTURE LINE

FUTURE LINE

3rd St.

3rd Pl.

Building

INDEPENDENT BIBLE CHURCH OF COL. JCT.

+63.7 Prop. Alley W=20'

CITY OF COLUMBUS JCT

UAC

SIGN

SIGN SIGN

1910

Building

CITY OF COLUMBUS JCT

2nd St.

IA 92

2nd St.

CITY OF COLUMBUS JCT

(Close)

CITY OF COLUMBUS JCT

(???)

146.7 Prop. Type "C" Ent. W=20'

CITY OF COLUMBUS JCT

3rd St.

CITY OF COLUMBUS JCT

RONALD J. DUNKER REV. TR. & JENNIFER C. HILL REV. TR.

SARAH A. McCONNELL

LARRY E. & TAMMY L. MARTIN

ALBERTO C. QUINTANA & TOMASA MELENDEZ

Right of Way Design Information

THIS SHEET INCLUDED FOR INFORMATION ONLY

ROW Team: Larson / Hughes

ROW #: NHSN-092-9(160)--2R-92 / NHSN-092-9(161)--2R-58

Plan Date: 10-15-2020

Color Legend:

- Property Lines
- Temporary Easement
- Permanent Acquisition

0 100
FEET

FILE NO.	ENGLISH	DESIGN TEAM	Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER	NHSX-092-9(57)--3H-92	SHEET NUMBER	H.31

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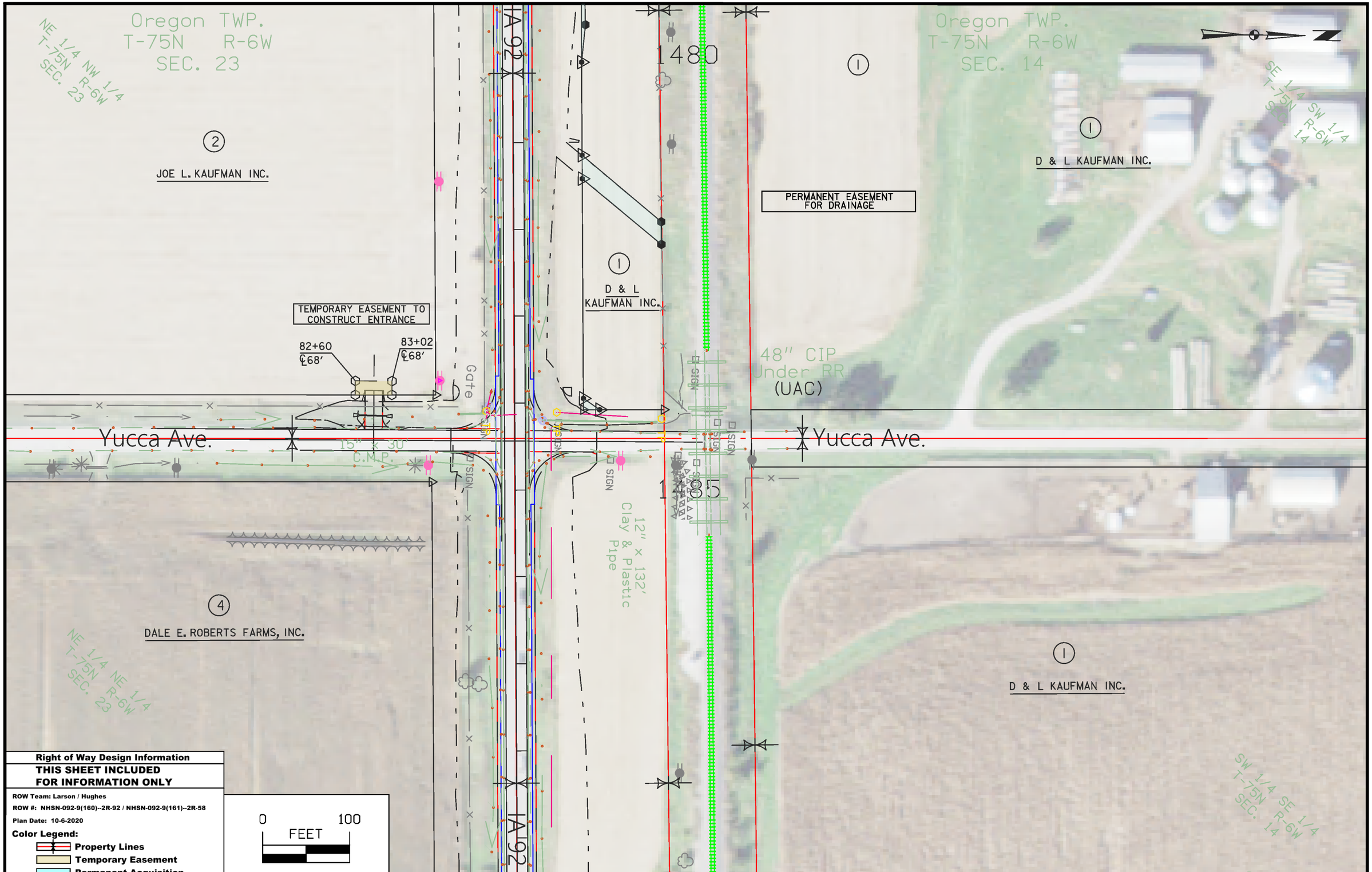


Right of Way Design Information

THIS SHEET INCLUDED FOR INFORMATION ONLY

ROW Team: Larson / Hughes

ROW #: NHSN-092-9(160)--2R-92 / NHSN-092-9(161)--2R-58

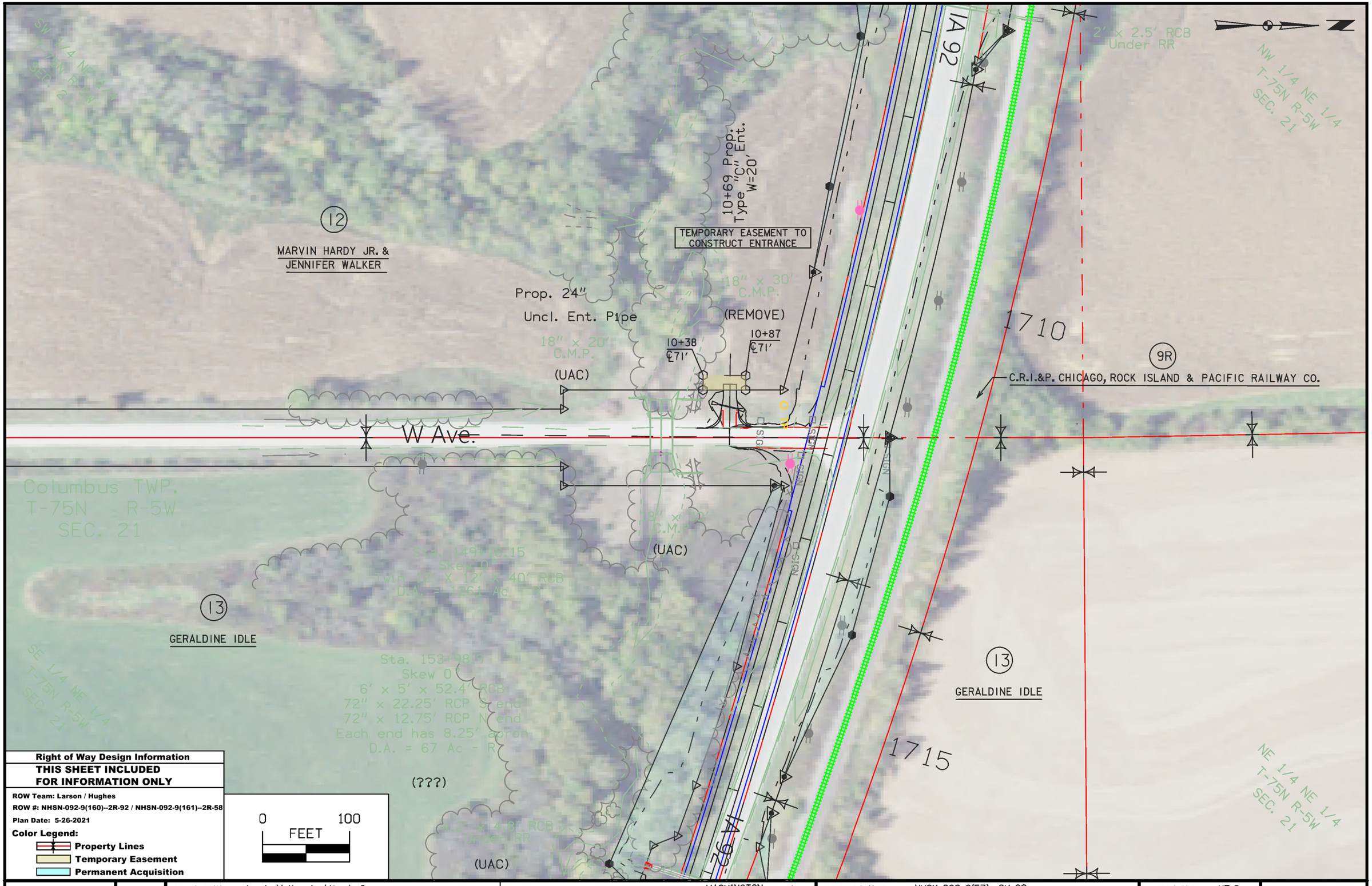
Plan Date: 10-6-2020

Color Legend:

- Property Lines
- Temporary Easement
- Permanent Acquisition

FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER HE.1

4:12:25 PM 10/7/2020 CHUGHES pw:\\ntPwInt1.dot.int.lan:PWMain\Documents\Projects\9209201085\ROW\92092160.sht



Right of Way Design Information

THIS SHEET INCLUDED FOR INFORMATION ONLY

ROW Team: Larson / Hughes

ROW #: NHSN-092-9(160)--2R-92 / NHSN-092-9(161)--2R-58

Plan Date: 5-26-2021

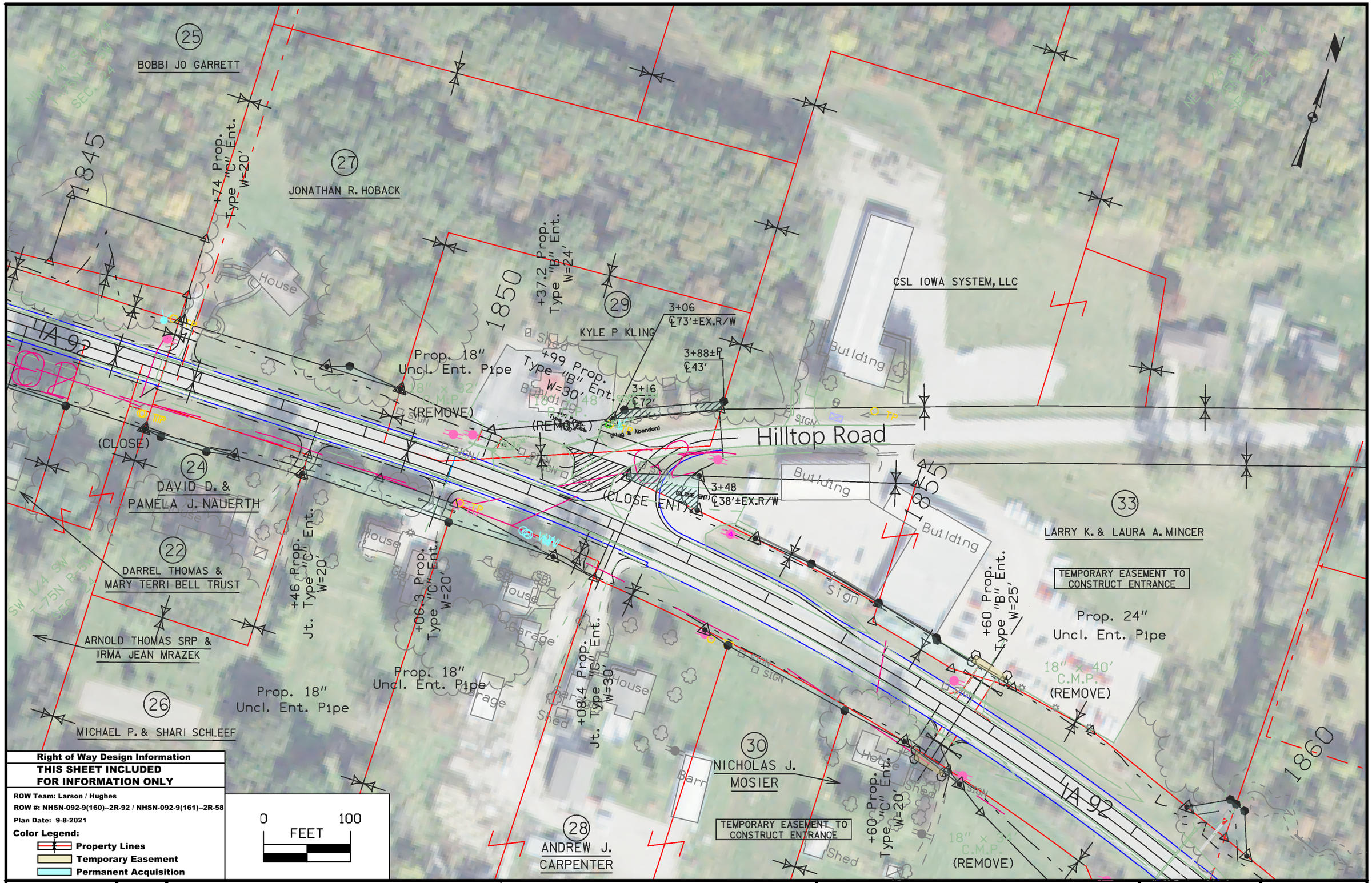
Color Legend:

- Property Lines
- Temporary Easement
- Permanent Acquisition

0 100 FEET

FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER HE.2

10:39:19 AM 5/26/2021 CHUGHES pw:\\ntPwInt1.dot.int.lan:PWMain\Documents\Projects\9209201085\ROW\92092160.sht



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON / LOUISA COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER HE.3

8:23:44 AM 9/8/2021 CHUGHES pw:\\ntPwInt1.dot.int.lan:PWMain\Documents\Projects\9209201085\ROW\92092160.sht

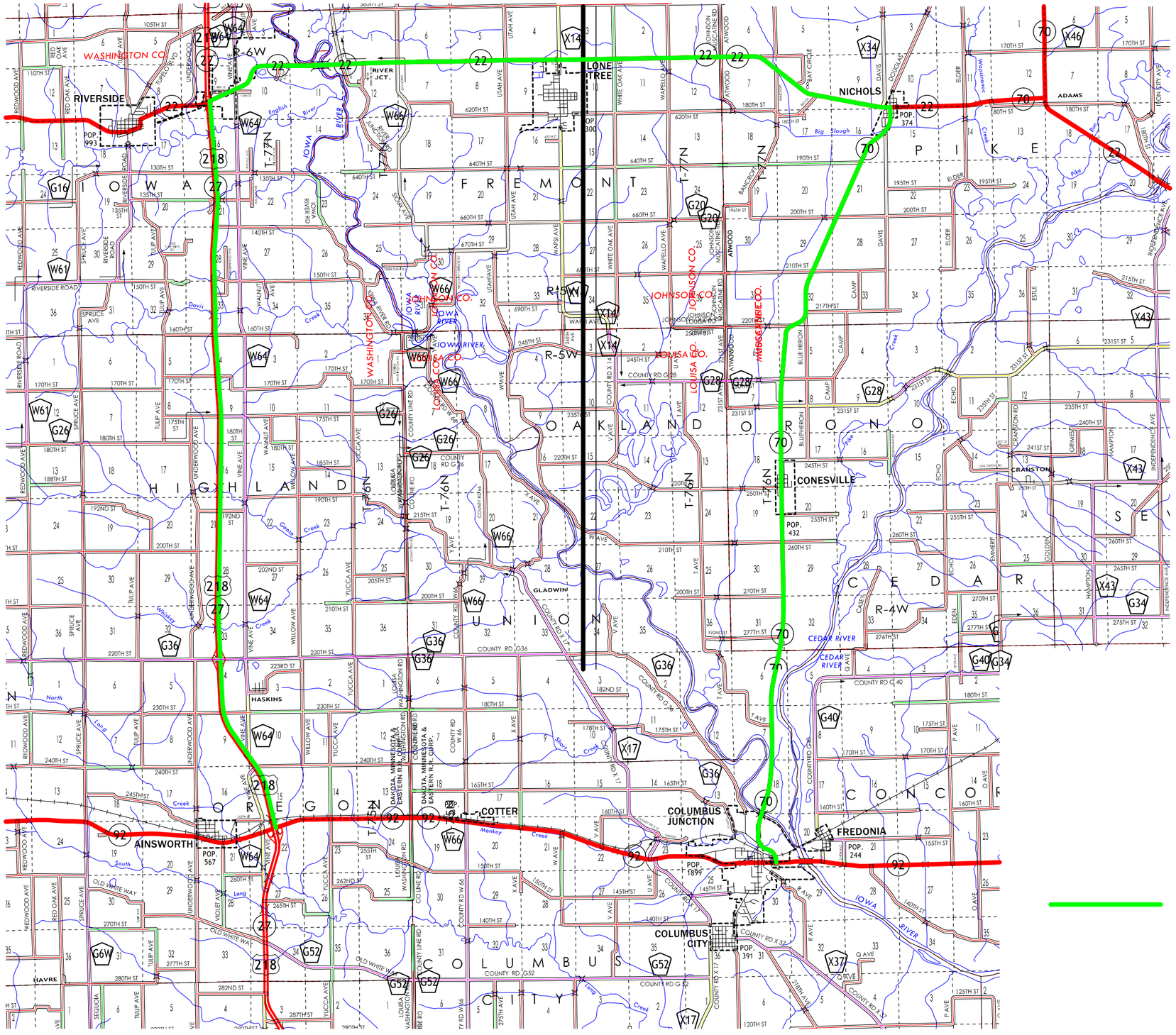
108-23A
08-01-08

TRAFFIC CONTROL PLAN

A) IA 92 will be closed during construction. Through traffic on IA 92 will be detoured to U.S. 218 north at the south junction of U.S. 218 and IA 92 to IA 22, east to IA 70, then south to the junction of IA 92. Refer to sheet J.2 for the proposed detour

B) Access to individual properties shall be maintained.

IA 92 Traffic:
Detour During Construction



FILE NO.	ENGLISH	DESIGN TEAM J1a \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER J.2

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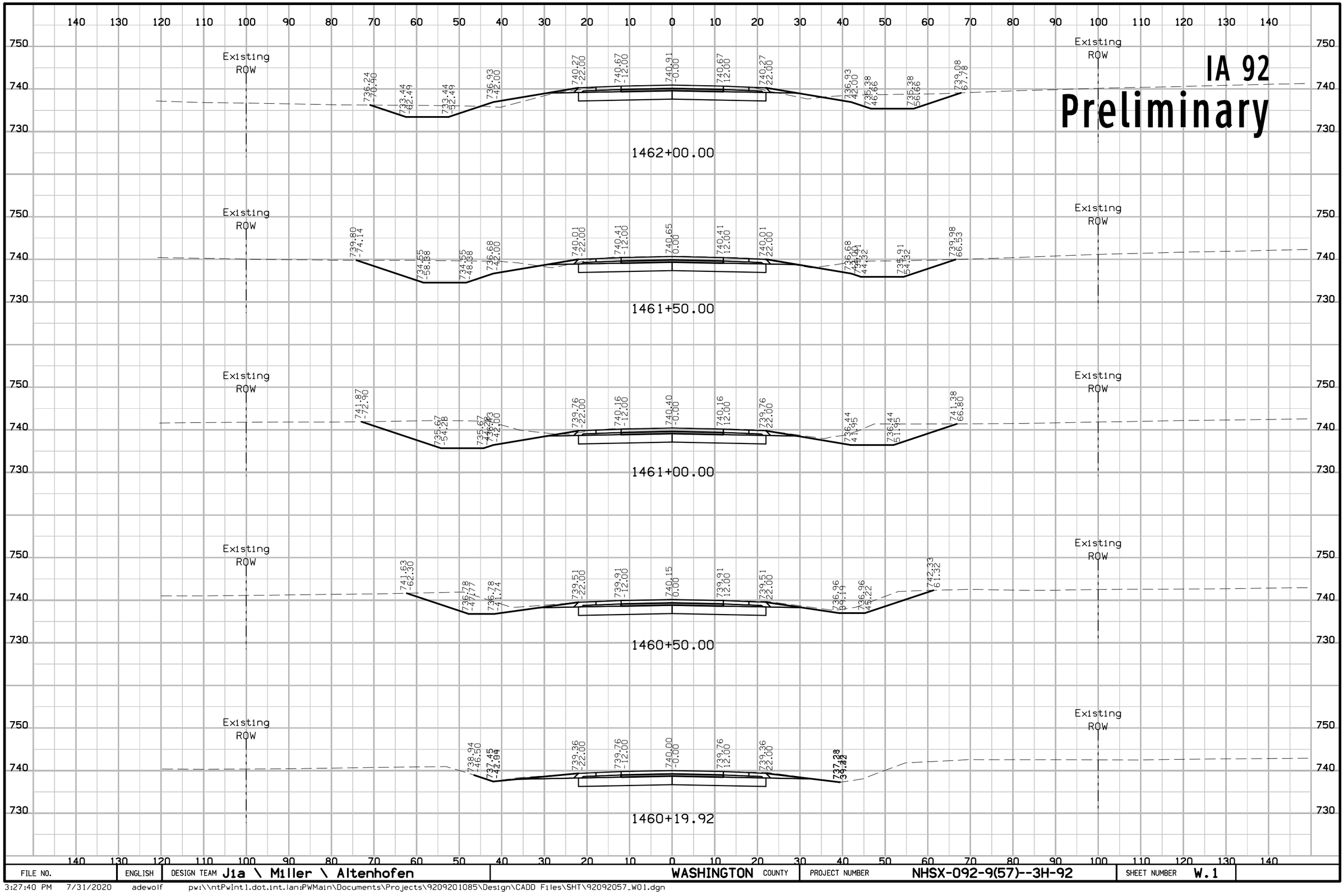
IA 92

Preliminary

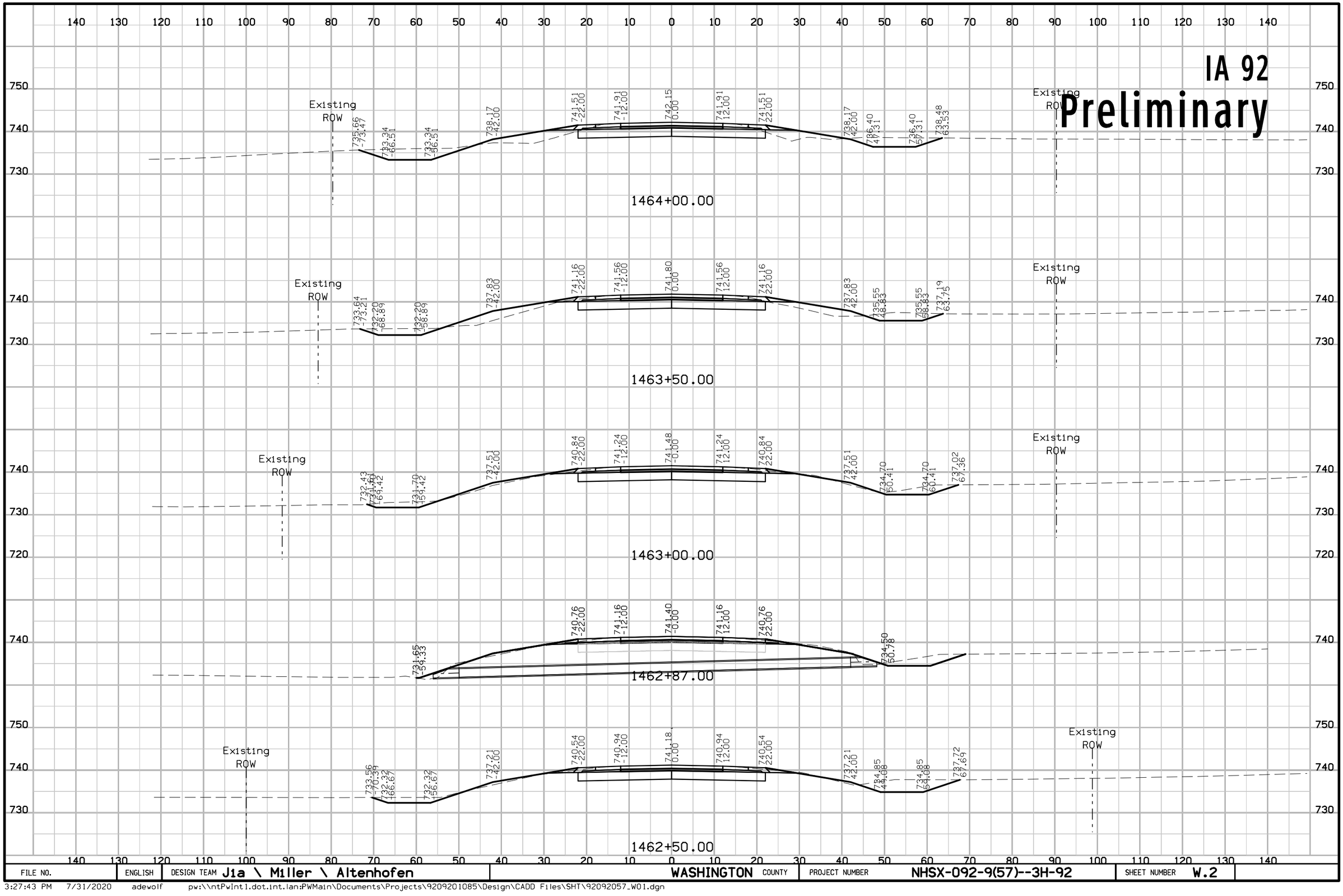


FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.1

3:27:40 PM 7/31/2020 adewolf pw:\\ntPwInt1.dot.int.lan:PWMain\Documents\Projects\9209201085\Design\CADD Files\SHT\92092057_W01.dgn

IA 92

Preliminary



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.2

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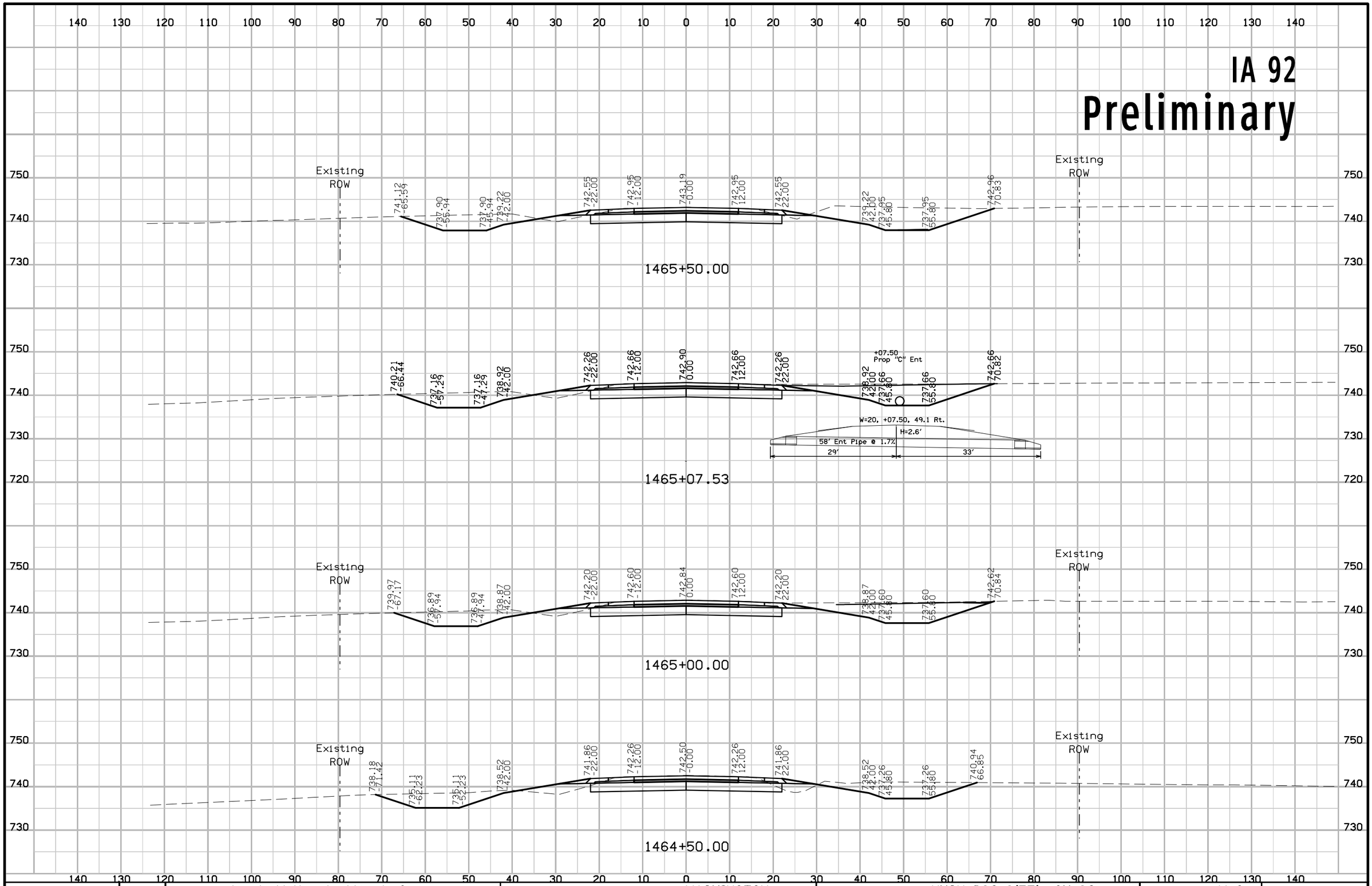
IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM J1a \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.3

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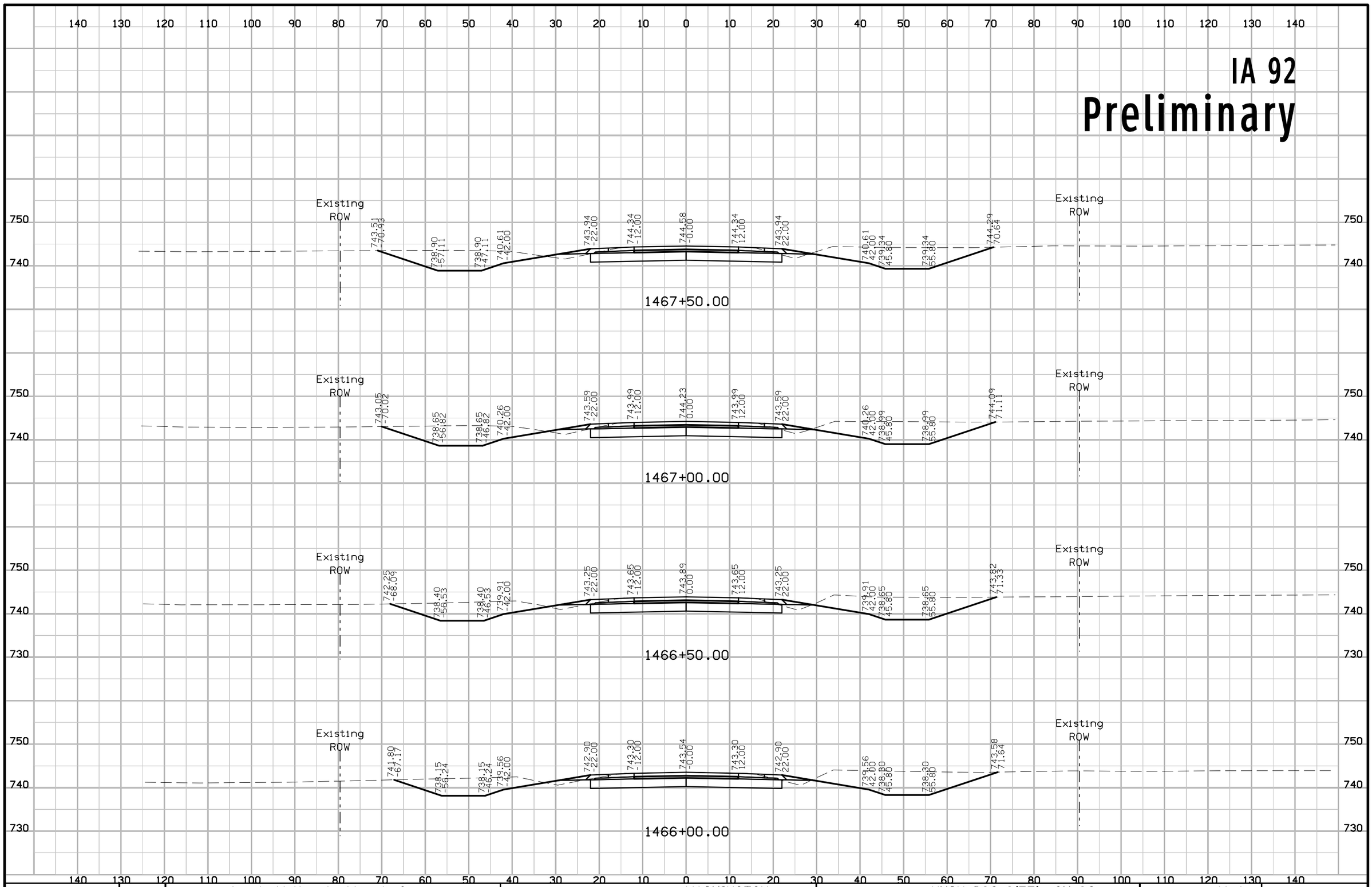
IA 92
Preliminary

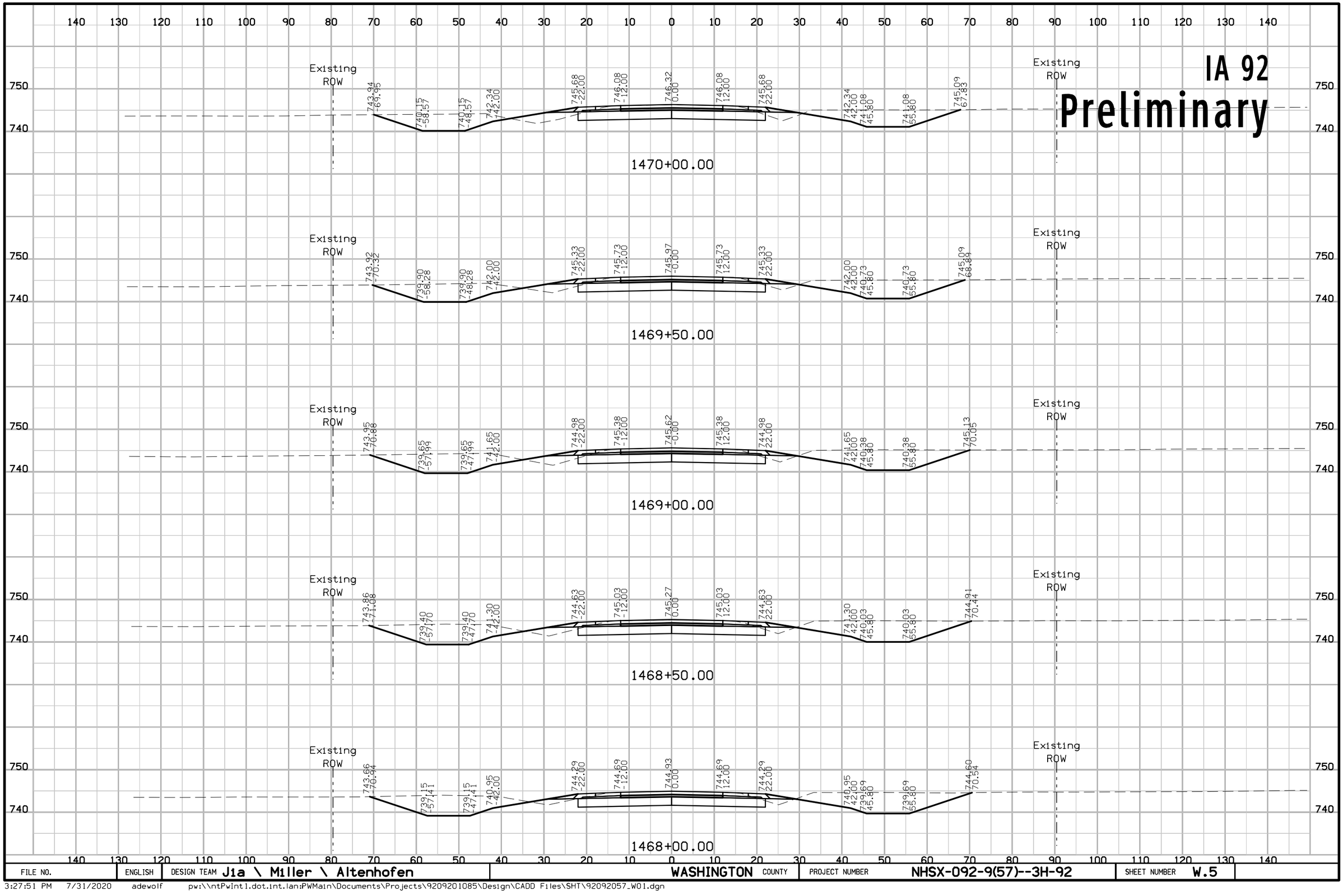


FILE NO.	ENGLISH	DESIGN TEAM J1a \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.4

3:27:49 PM 7/31/2020 adewolf pw:\\ntPwInt1.dot.int.lan:PWMain\Documents\Projects\9209201085\Design\CADD Files\SHT\92092057_W01.dgn

IA 92

Preliminary



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.5

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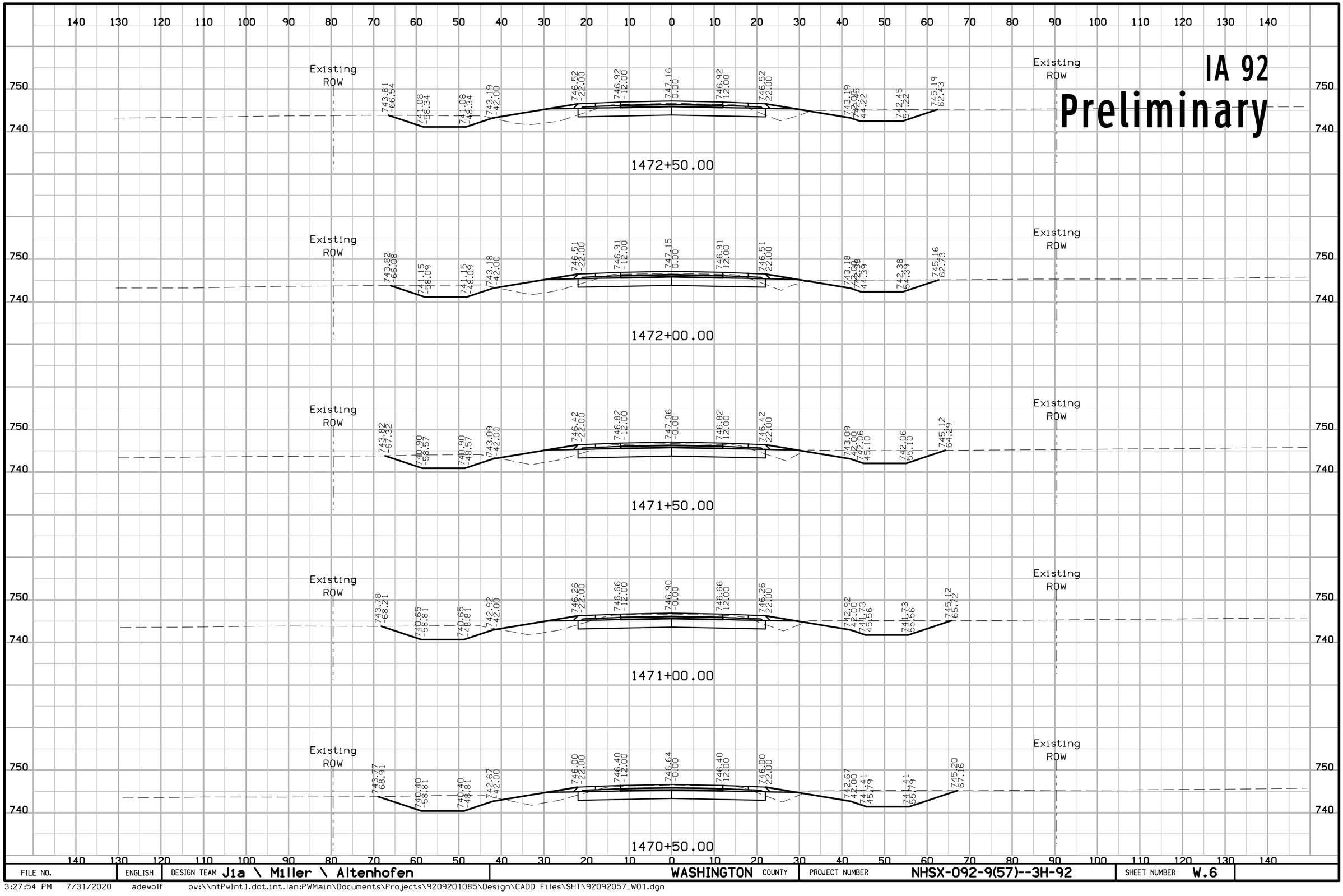
IA 92

Preliminary



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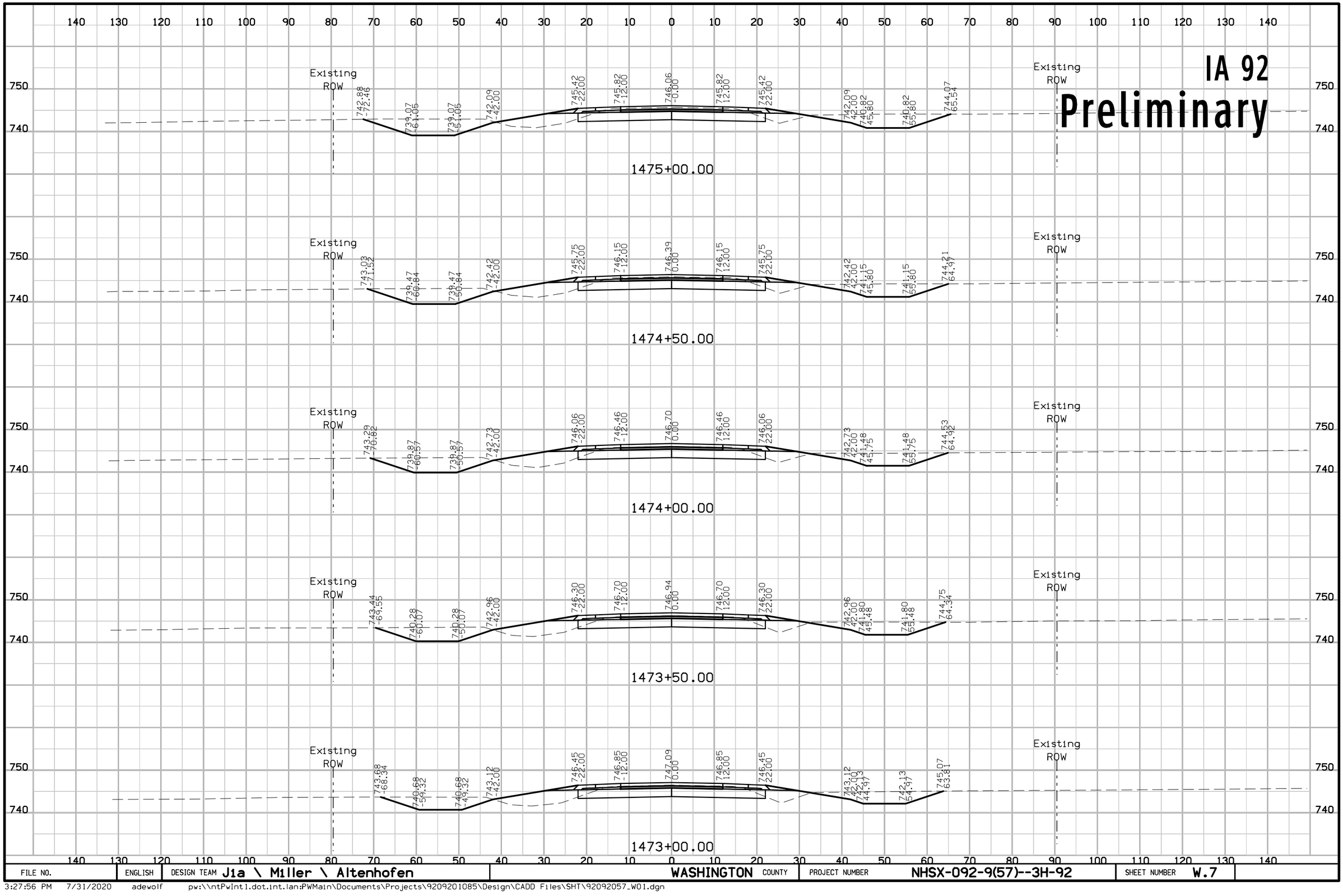
IA 92

Preliminary



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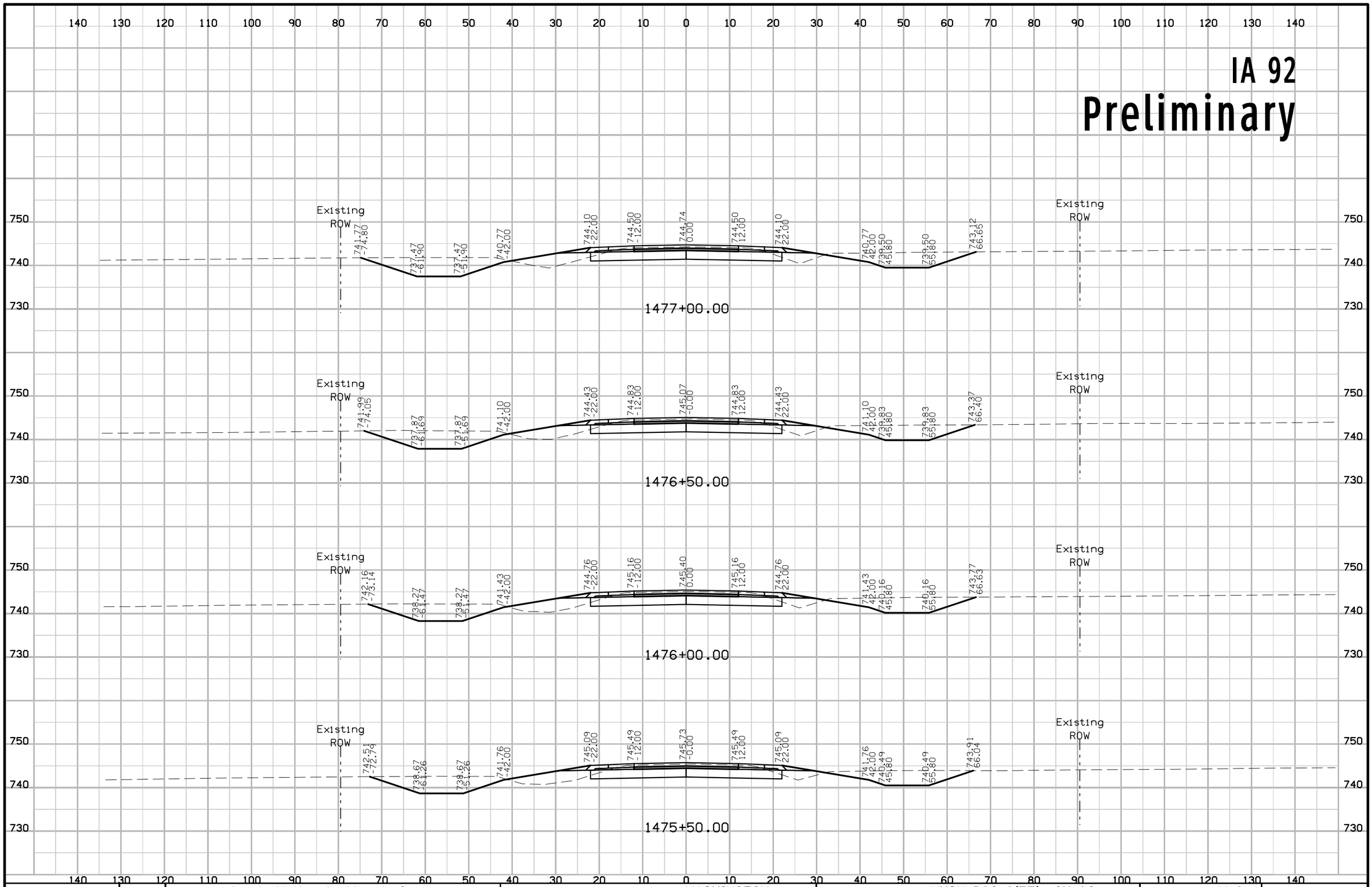
IA 92
Preliminary



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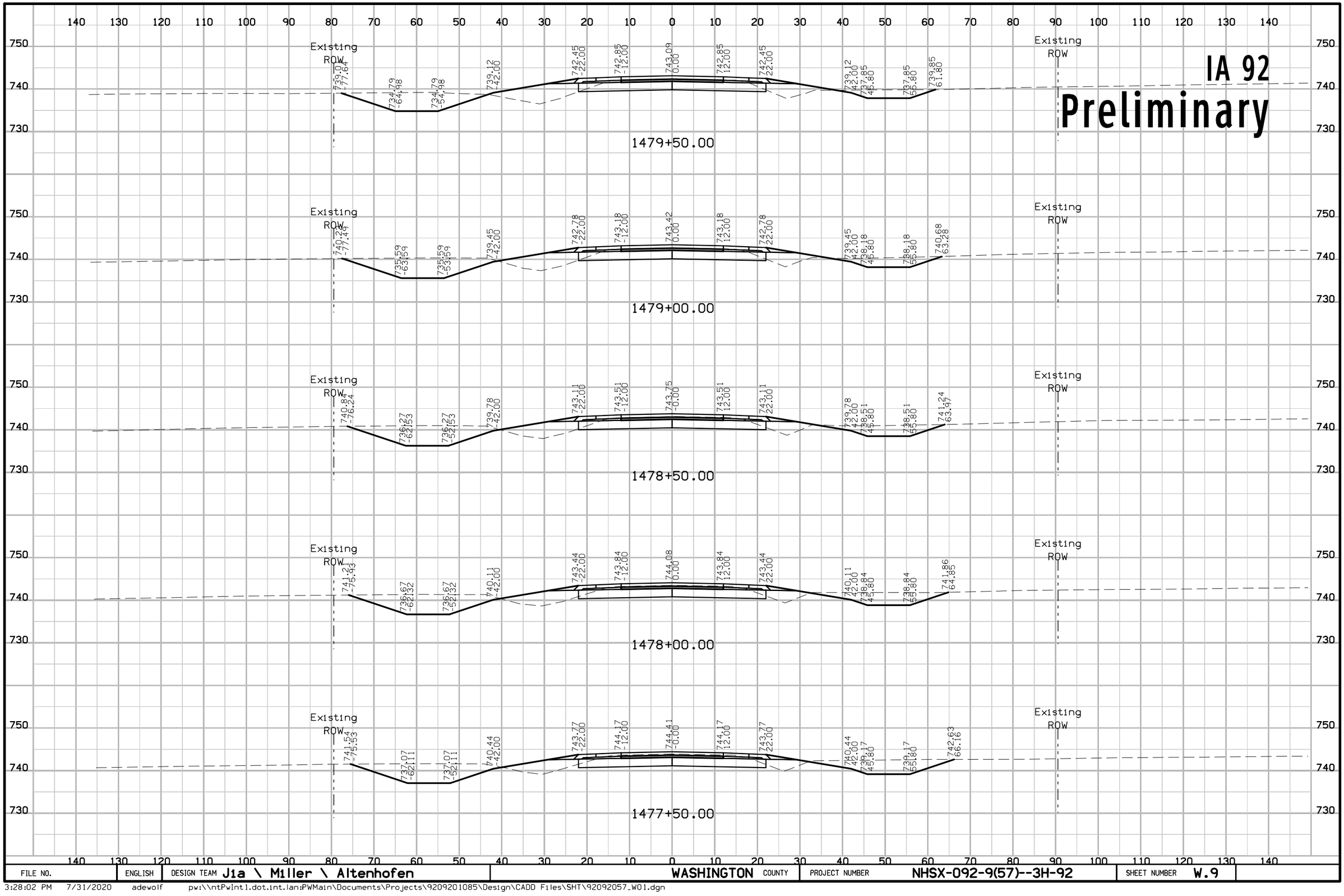
IA 92

Preliminary



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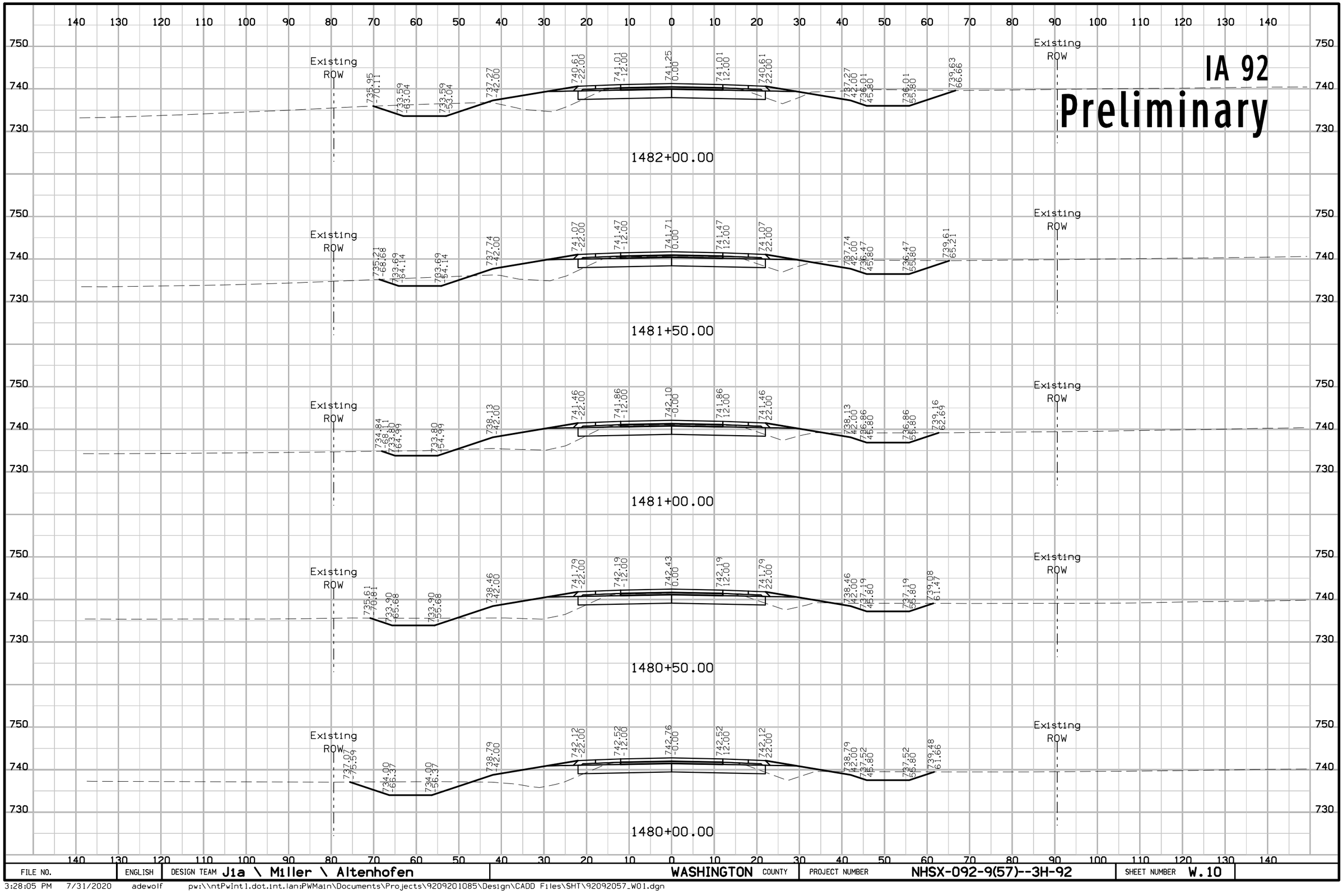

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IA 92
Preliminary

140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140

740 730

733.78 -63.54 | 732.46 -49.59 | 732.46 -49.59 | 733.73 42.00 | 737.06 -22.00 | 737.46 12.00 | 737.70 0.00 | 737.46 12.00 | 737.06 22.00 | 733.73 42.00 | 732.46 49.59 | 732.46 59.59 | 737.02 73.25

1484+50.00

Existing ROW

735.85 -67.13 | 733.33 -59.59 | 733.33 -49.59 | 734.60 42.00 | 737.93 -22.00 | 738.33 12.00 | 738.57 0.00 | 738.33 12.00 | 737.93 22.00 | 734.60 42.00 | 733.33 49.59 | 733.33 59.59 | 736.94 70.42

1484+00.00

750 740 730

Existing ROW

735.78 -67.16 | 733.29 -59.69 | 733.29 -49.69 | 735.39 42.00 | 738.72 -22.00 | 739.12 12.00 | 739.36 0.00 | 739.12 12.00 | 738.72 22.00 | 735.39 42.00 | 734.12 46.70 | 734.12 56.70 | 737.85 67.88

Existing ROW

1483+50.00

750 740 730

Existing ROW

736.00 -67.95 | 733.39 -60.13 | 733.39 -50.13 | 736.10 42.00 | 739.43 -22.00 | 739.83 12.00 | 740.07 0.00 | 739.83 12.00 | 739.43 22.00 | 736.10 42.00 | 734.83 45.80 | 734.83 55.80 | 738.45 66.65

Existing ROW

1483+00.00

750 740 730

Existing ROW

736.40 -70.42 | 733.49 -61.70 | 733.49 -51.70 | 736.73 42.00 | 740.06 -22.00 | 740.46 12.00 | 740.70 0.00 | 740.46 12.00 | 740.06 22.00 | 736.73 42.00 | 735.46 45.80 | 735.46 55.80 | 739.21 67.05

Existing ROW

1482+50.00

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FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.11

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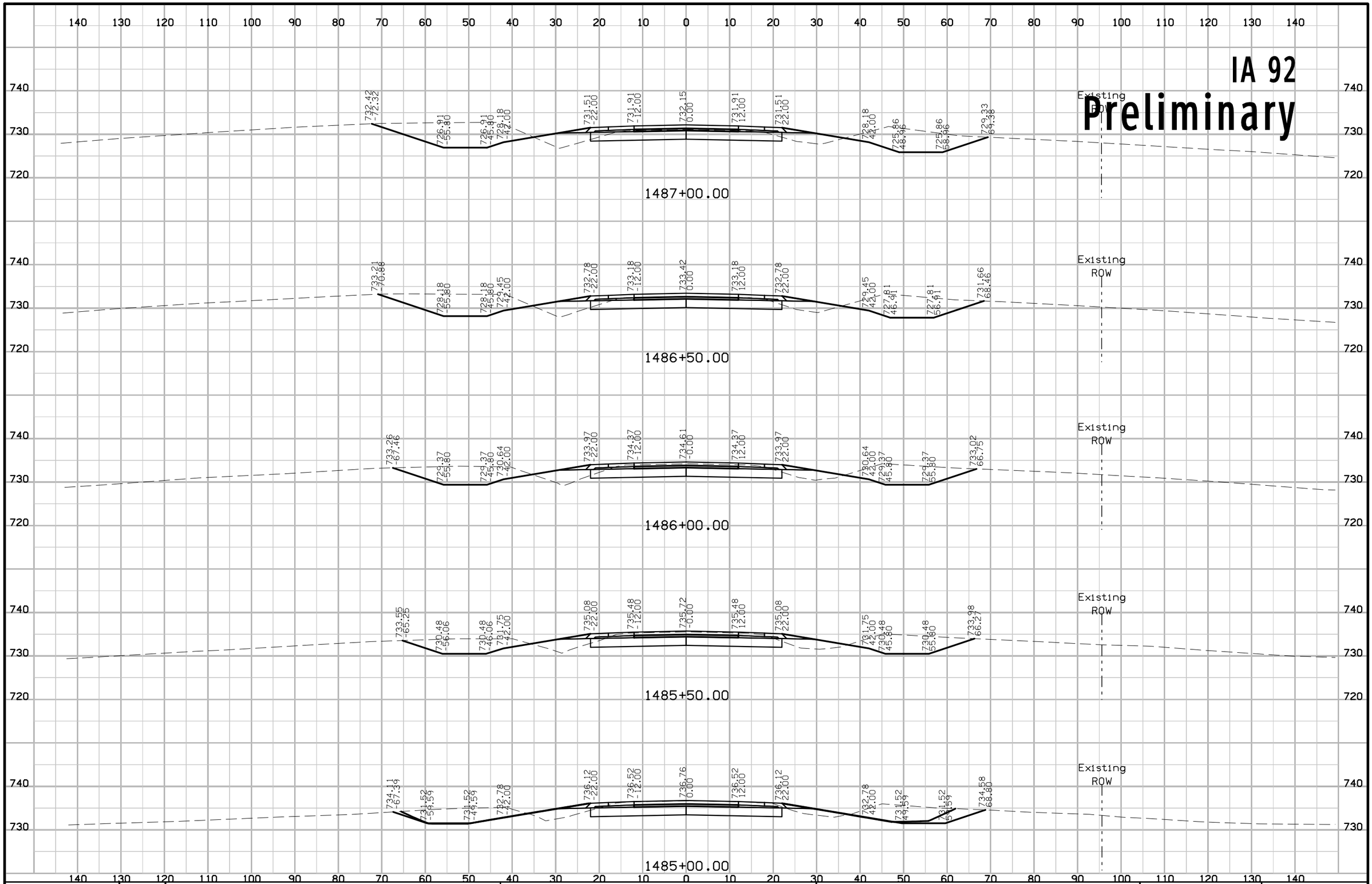
IA 92

Preliminary



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.12

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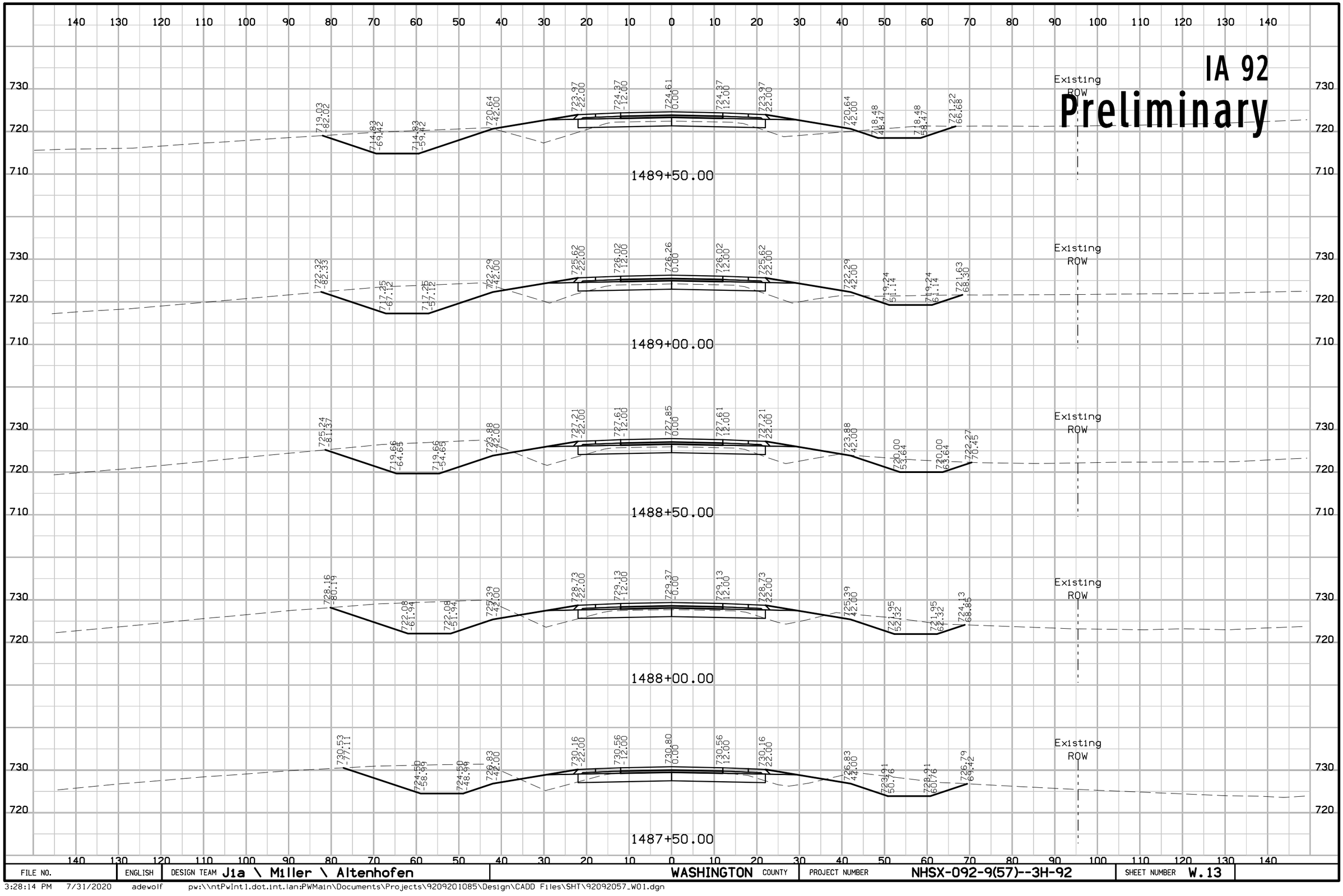
IA 92

Preliminary



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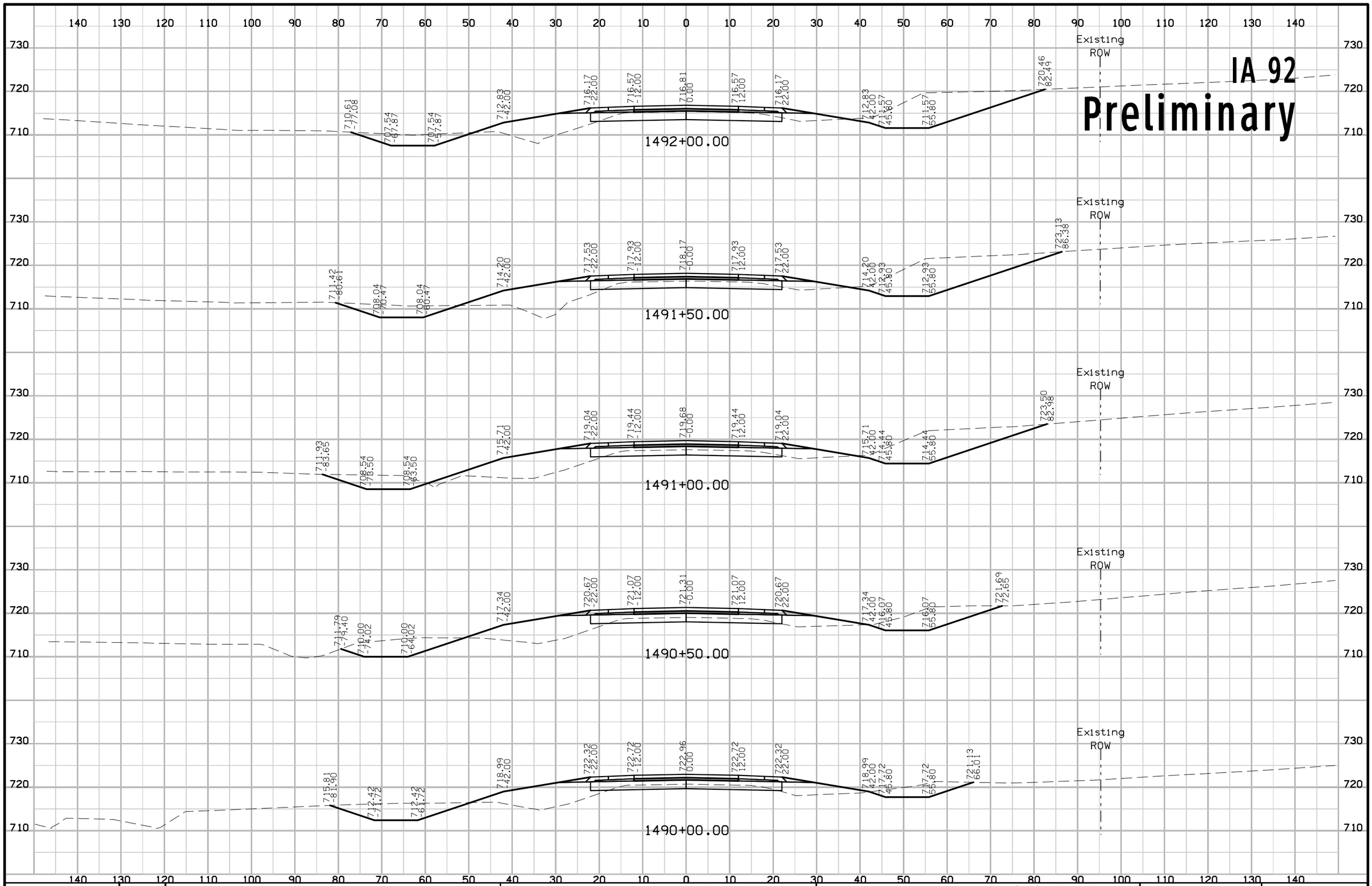
IA 92

Preliminary



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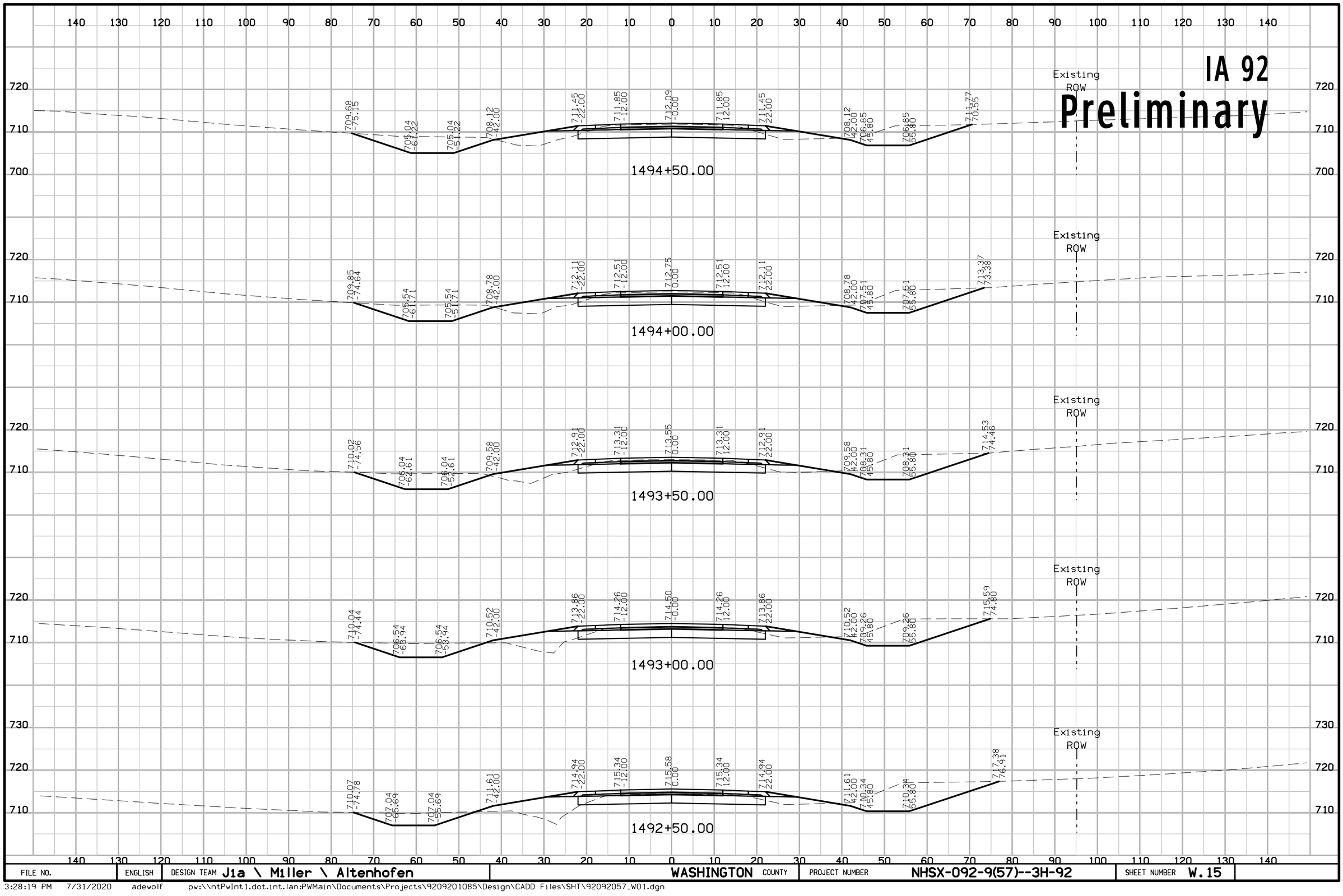
IA 92

Preliminary



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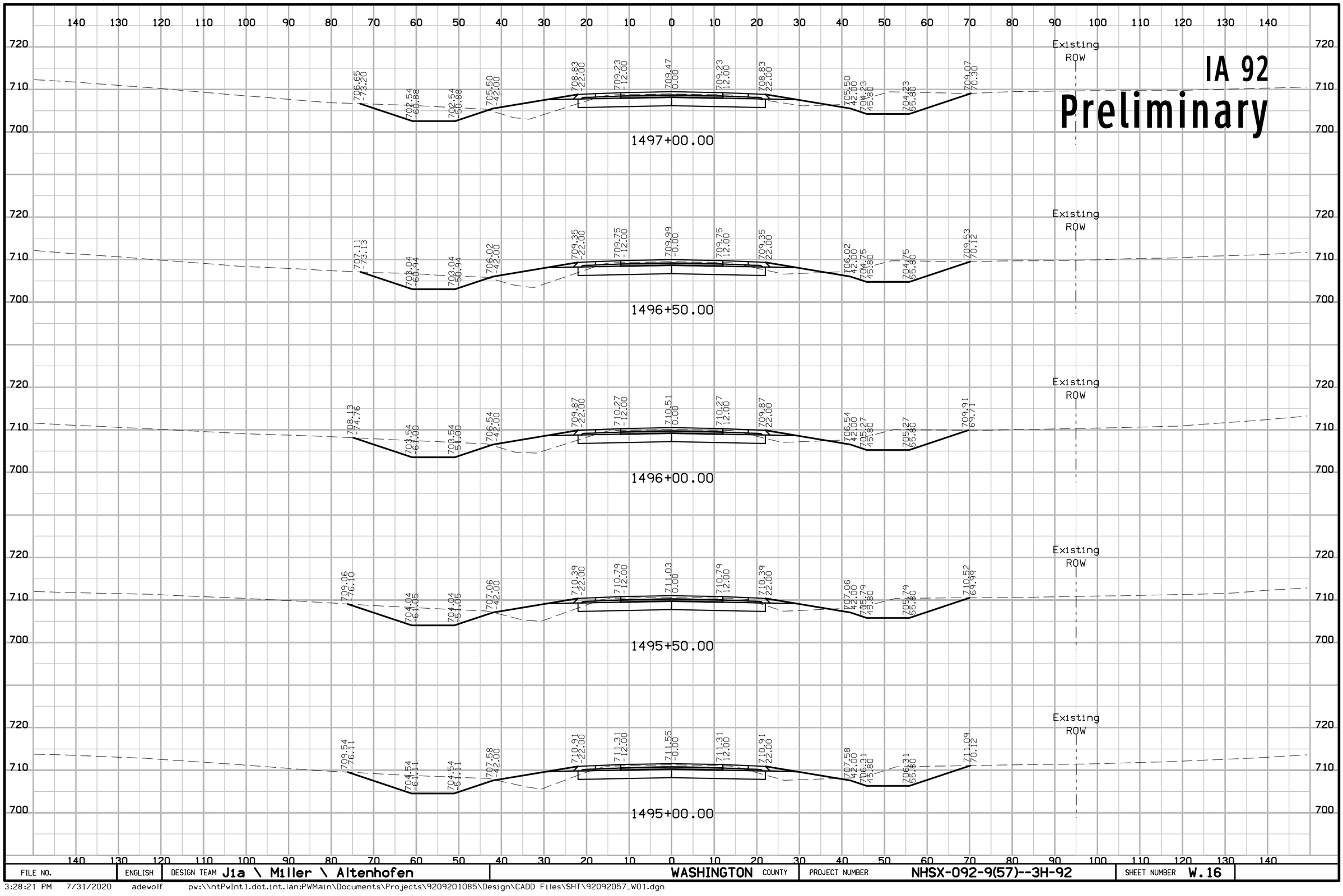
IA 92

Preliminary



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.16

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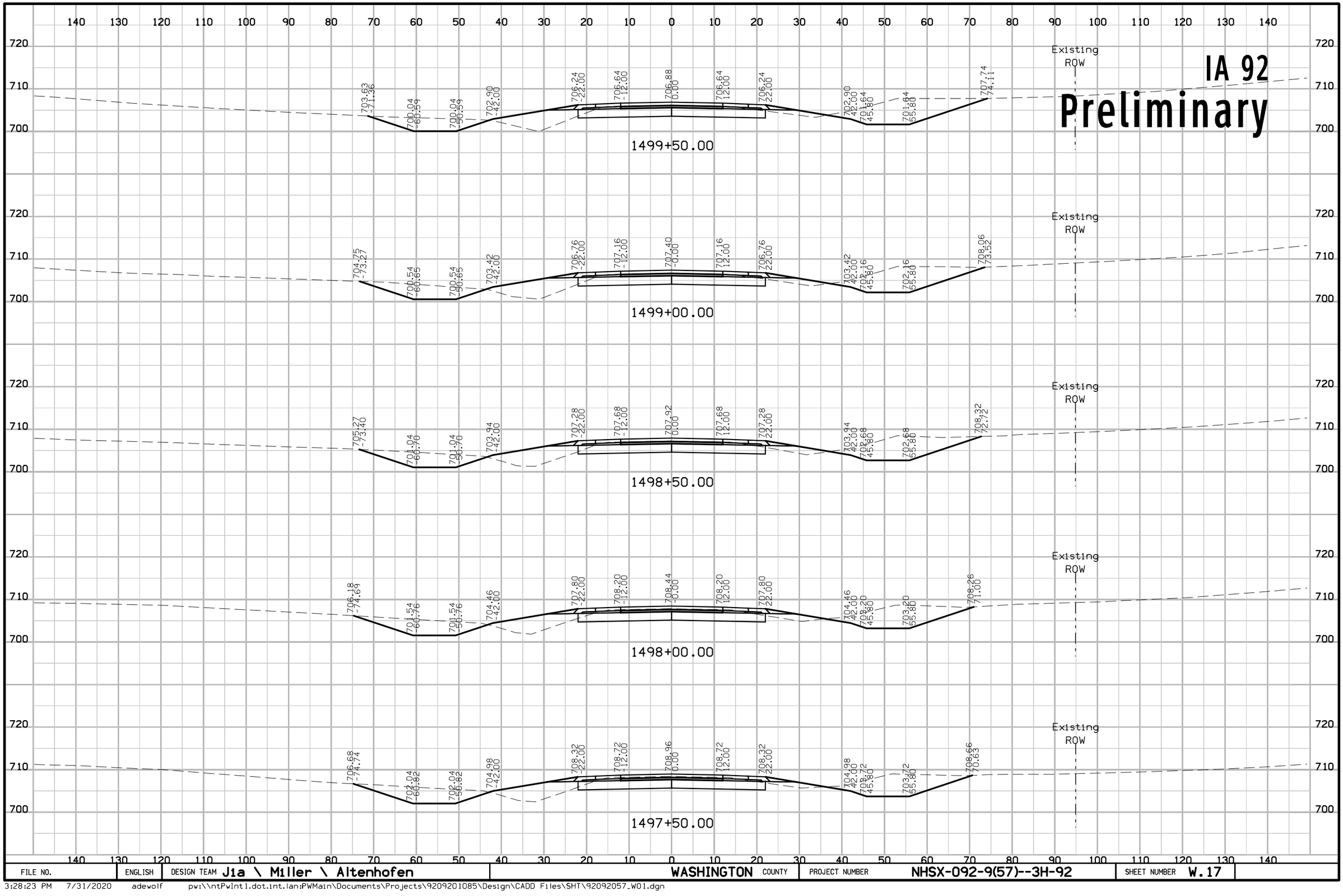

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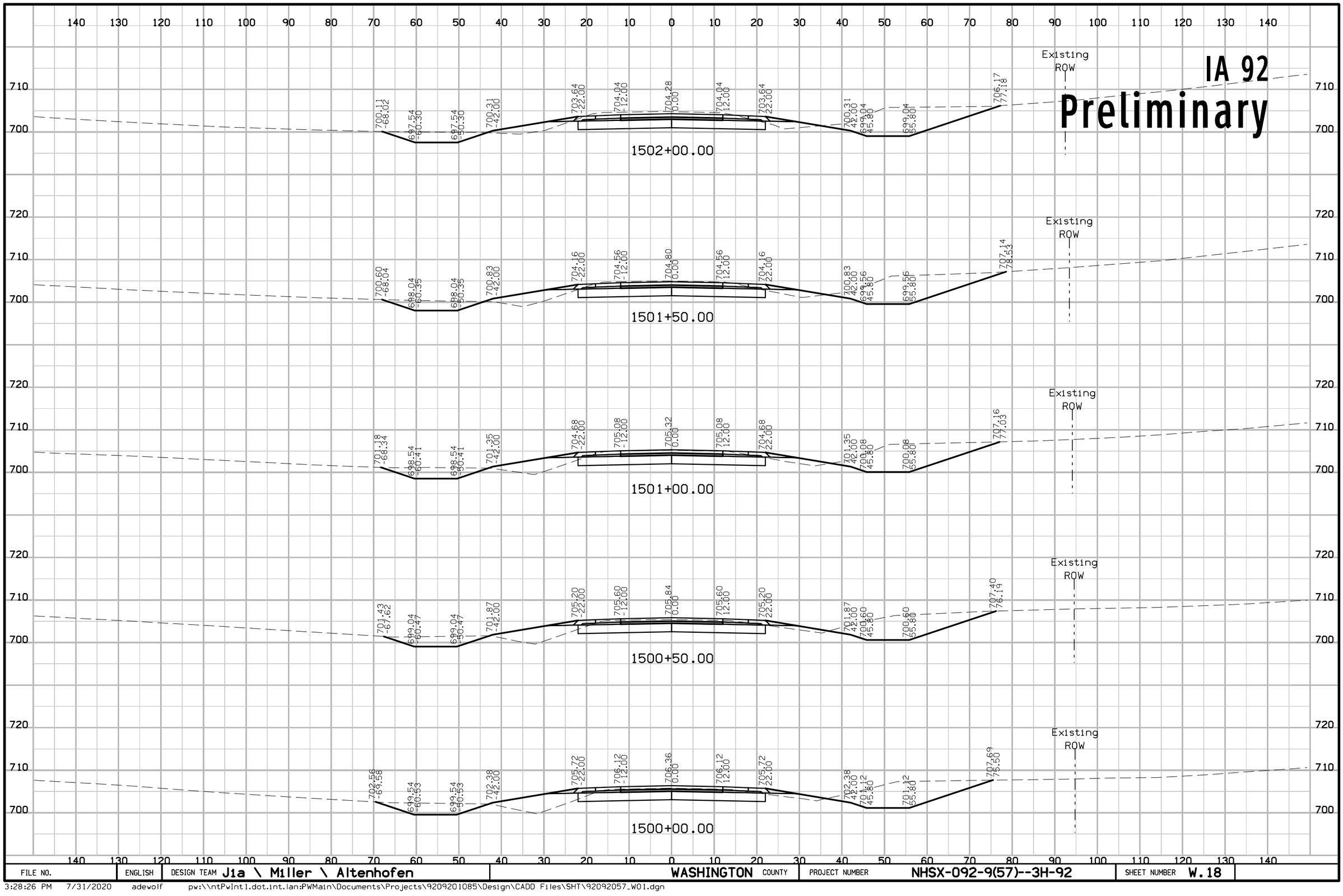
IA 92

Preliminary



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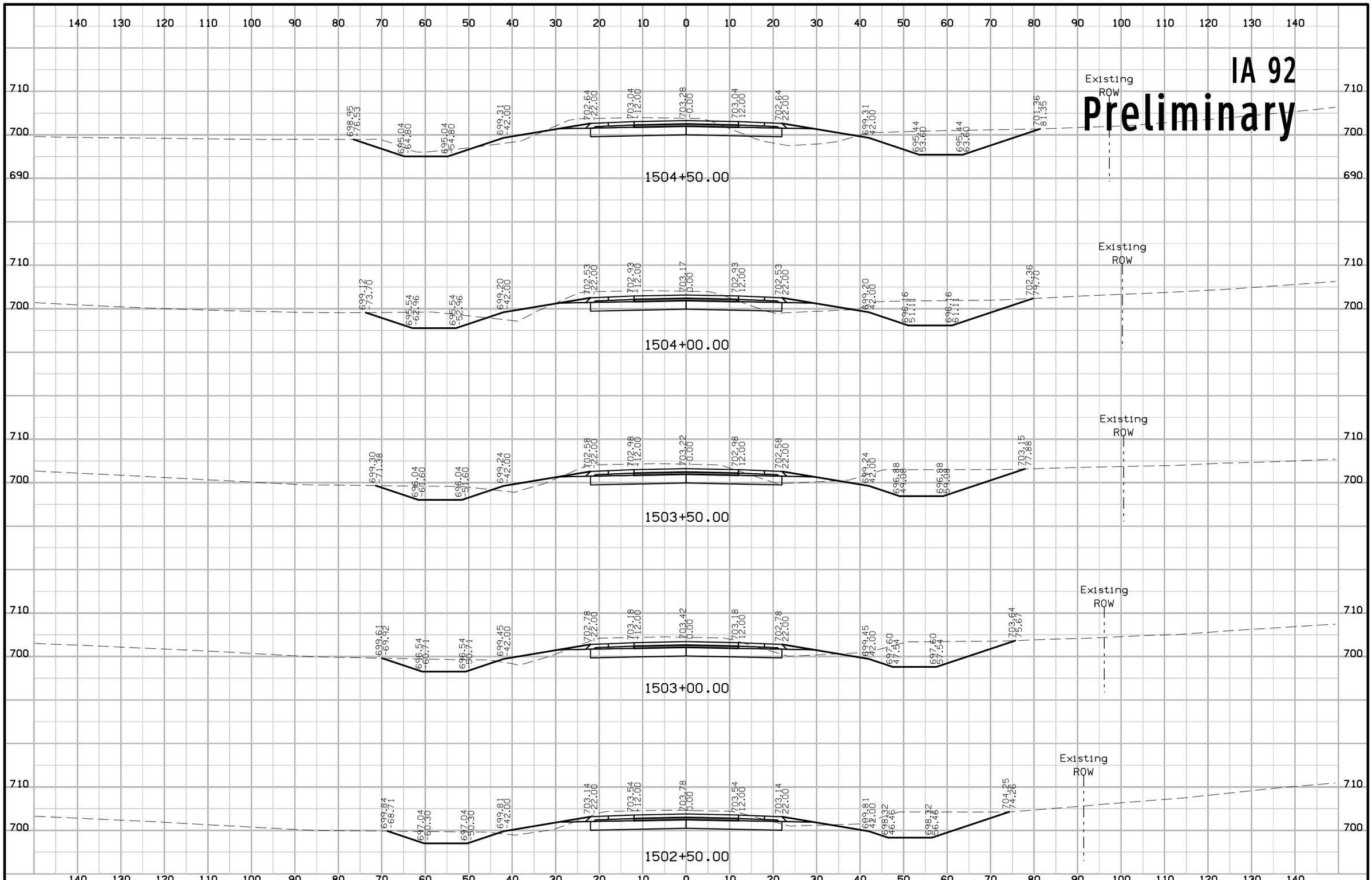
IA 92

Preliminary



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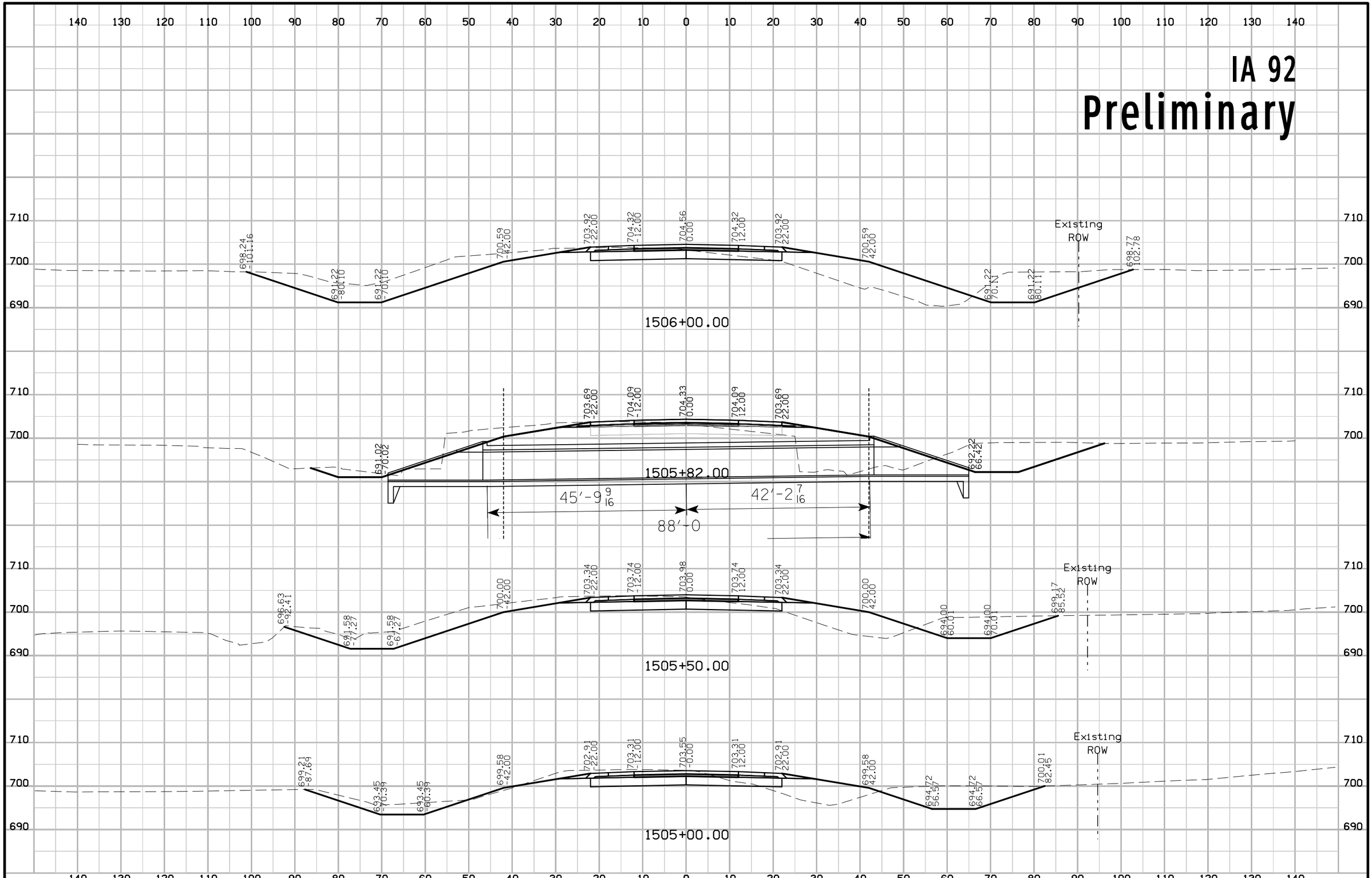
IA 92
Preliminary



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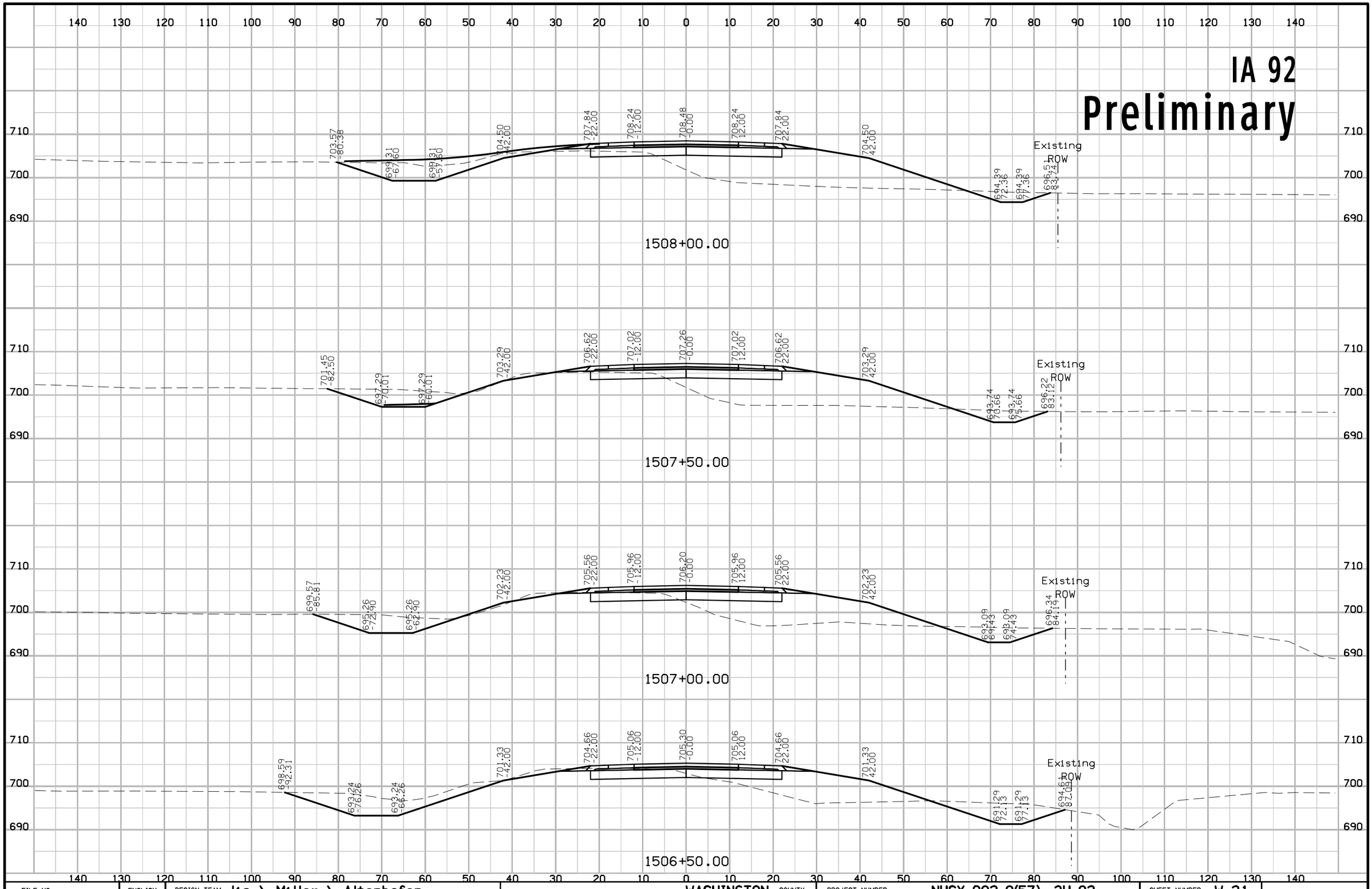
IA 92
Preliminary



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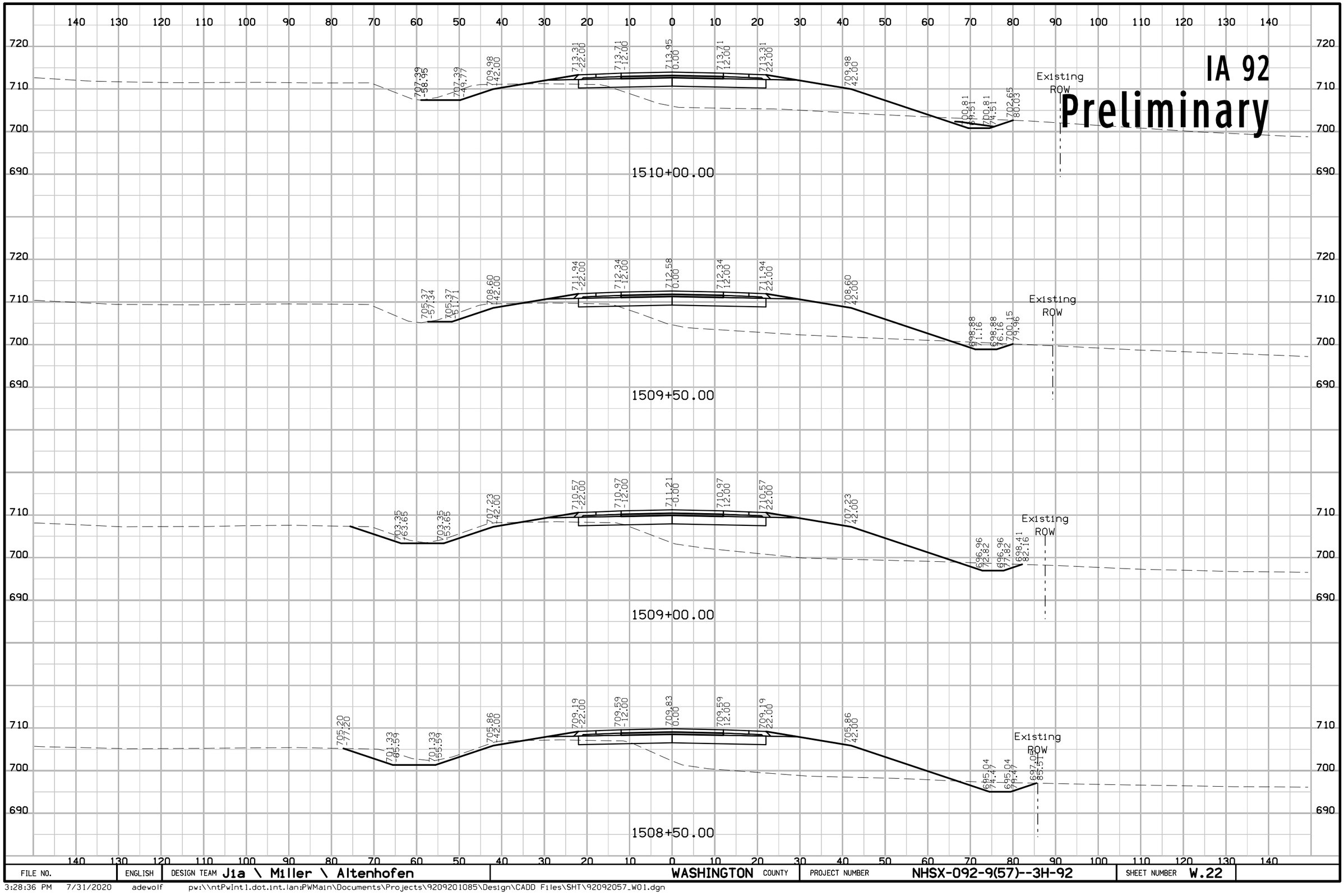
IA 92

Preliminary



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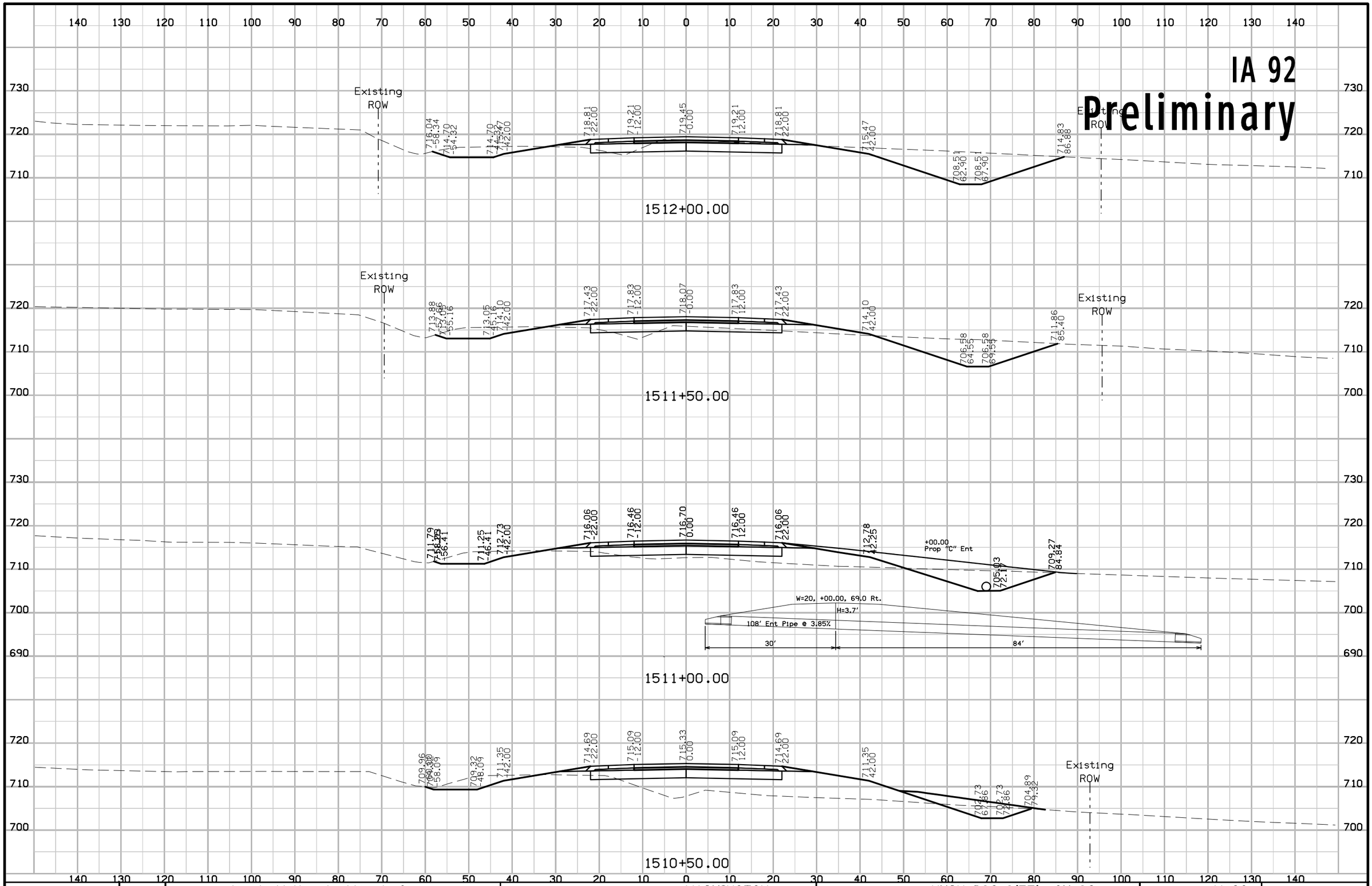
IA 92

Preliminary



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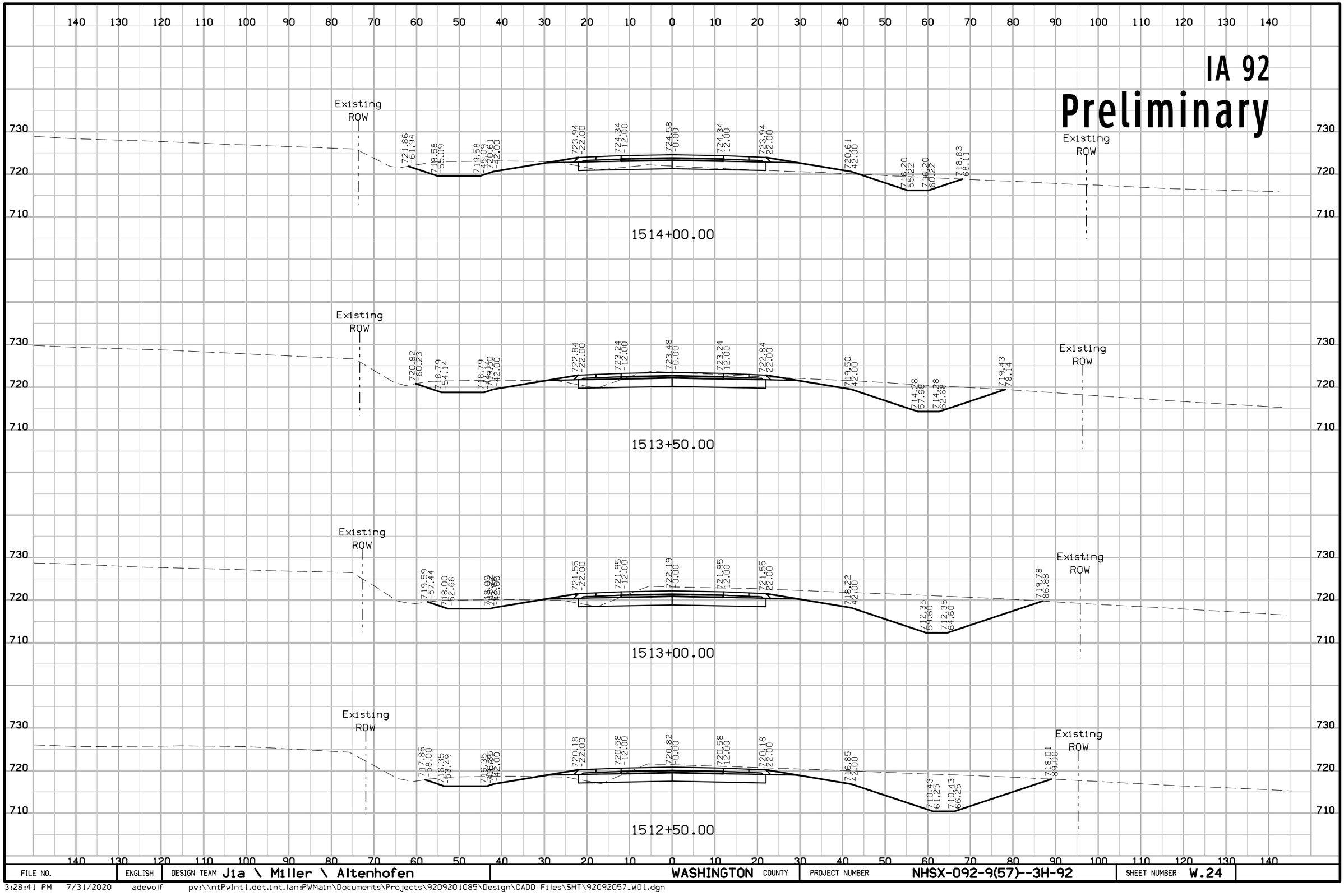
IA 92

Preliminary



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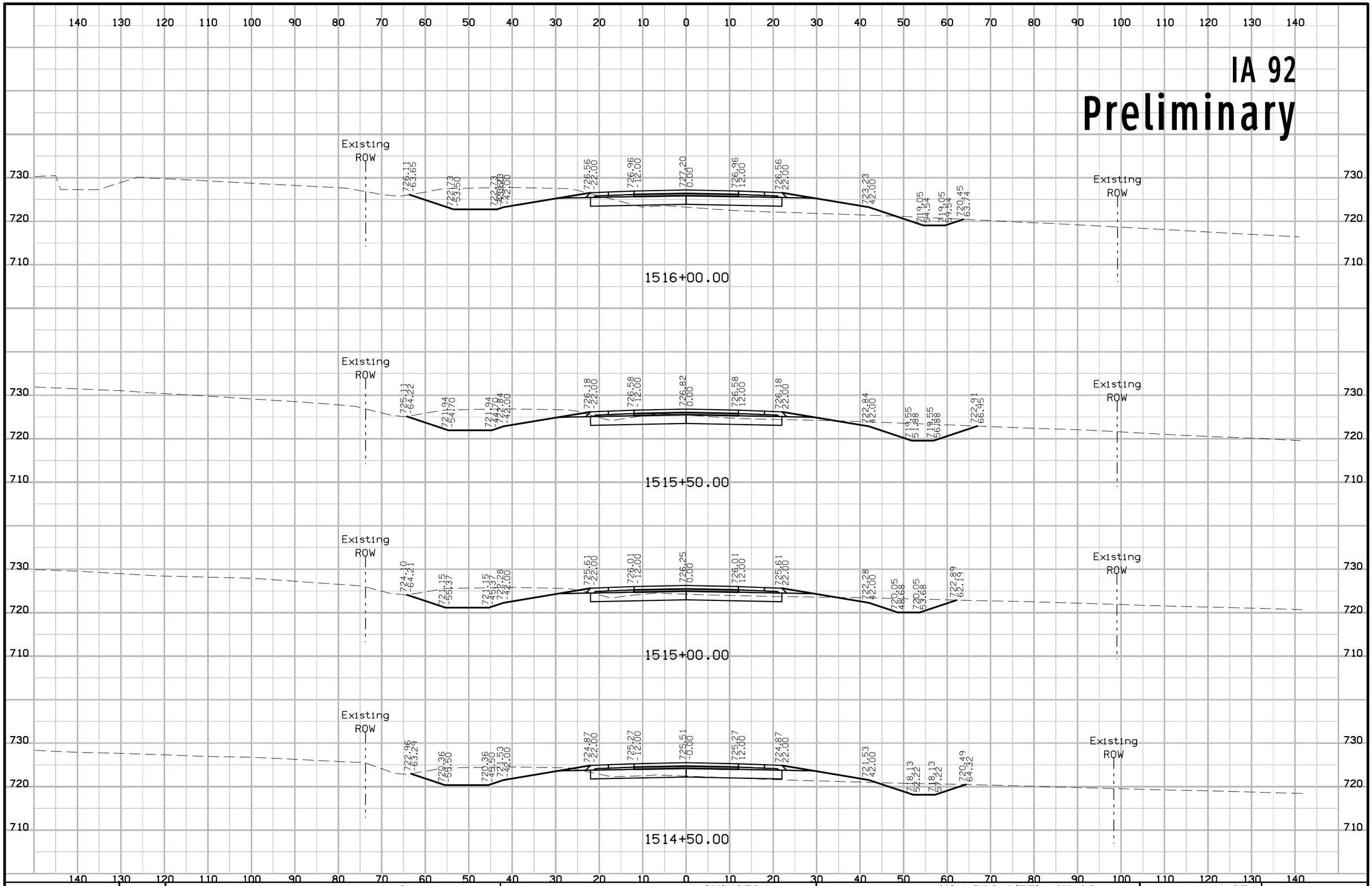
IA 92
Preliminary



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IA 92

Preliminary

1517+00.00

1516+77.00

1516+75.00

1516+58.00

1516+50.00

FILE NO.	ENGLISH	DESIGN TEAM J1a \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER	NHSX-092-9(57)--3H-92	SHEET NUMBER	W.26

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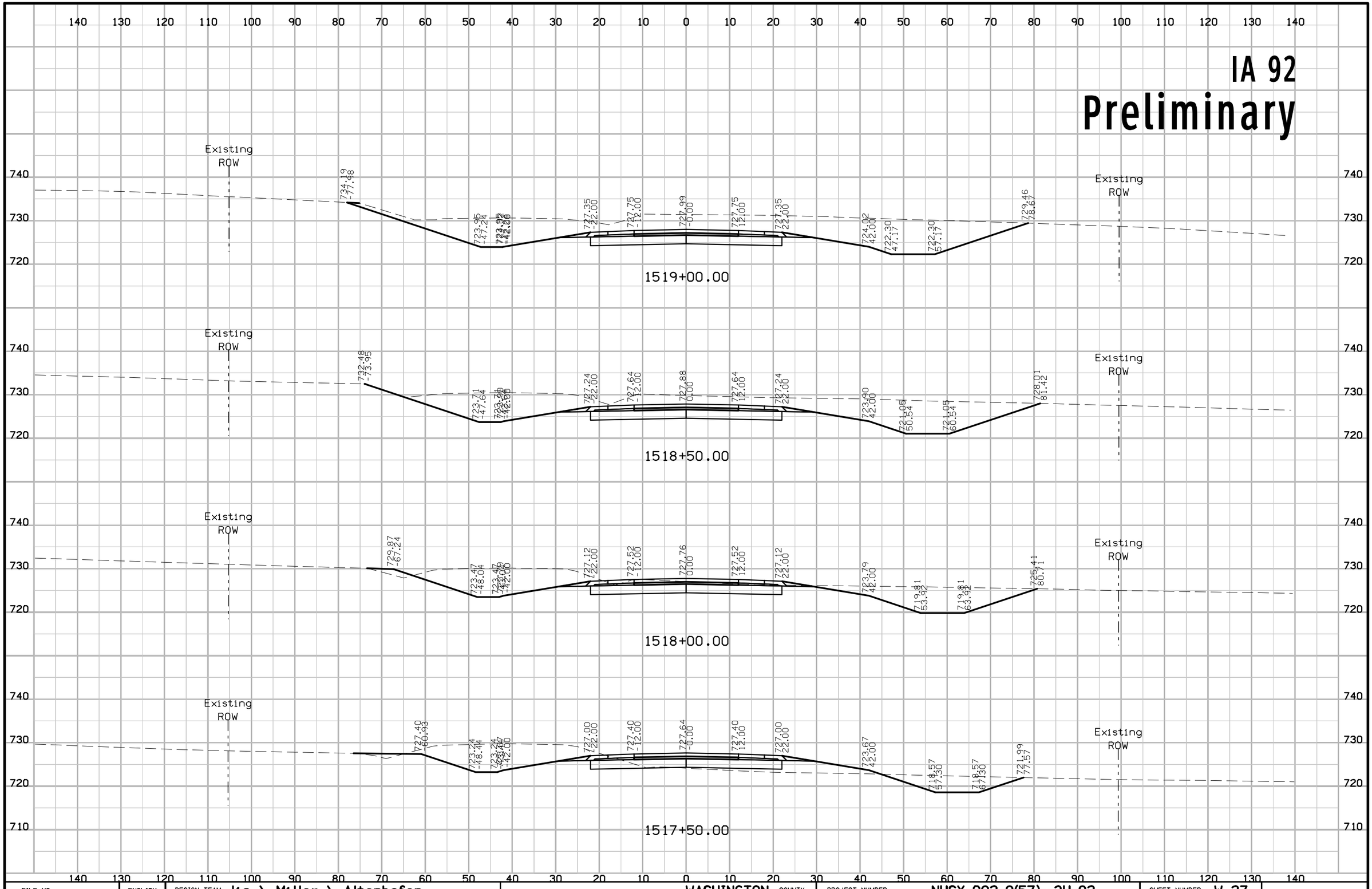
IA 92
Preliminary



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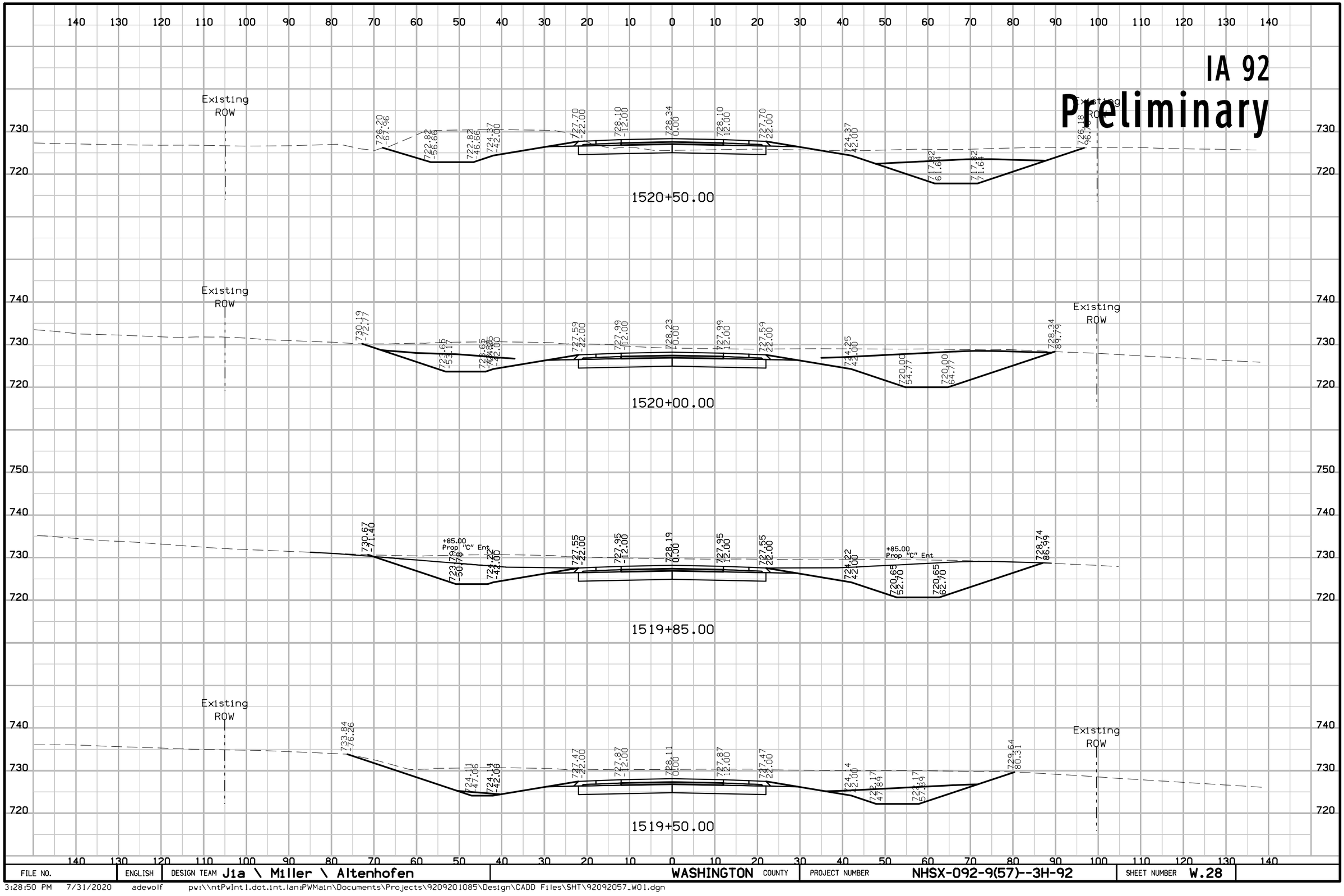
IA 92

Preliminary



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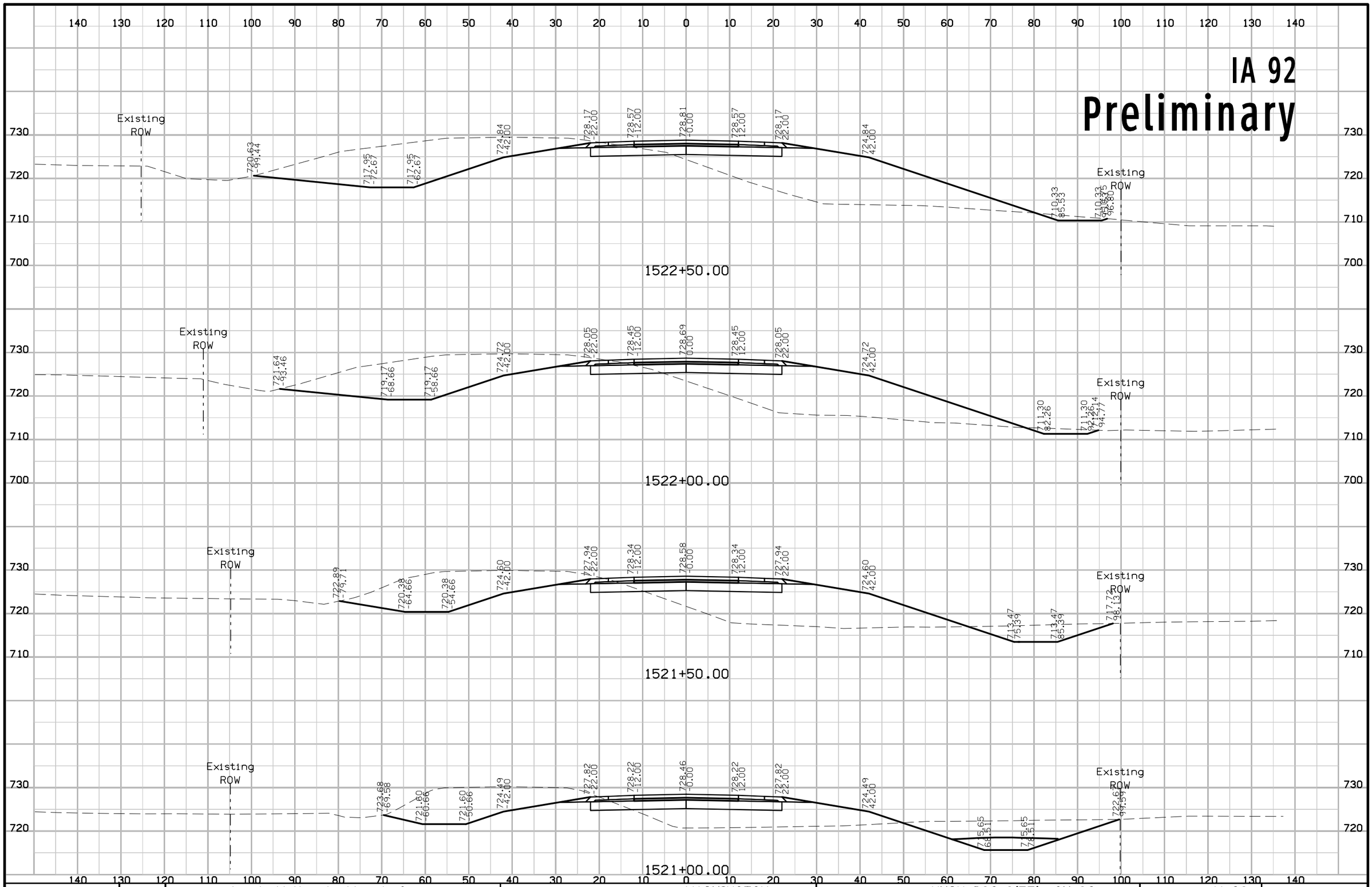
IA 92
Preliminary



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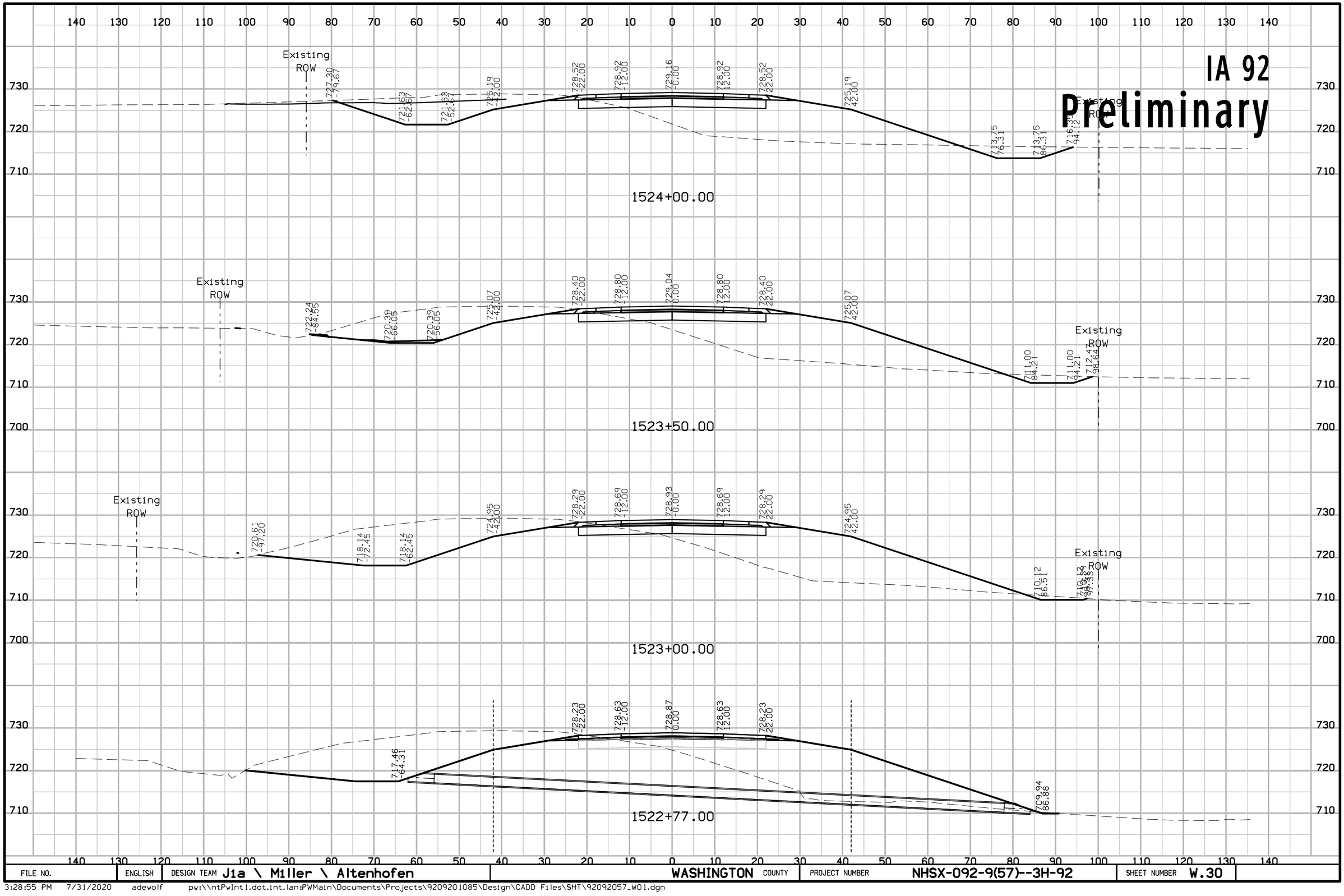
IA 92

Preliminary



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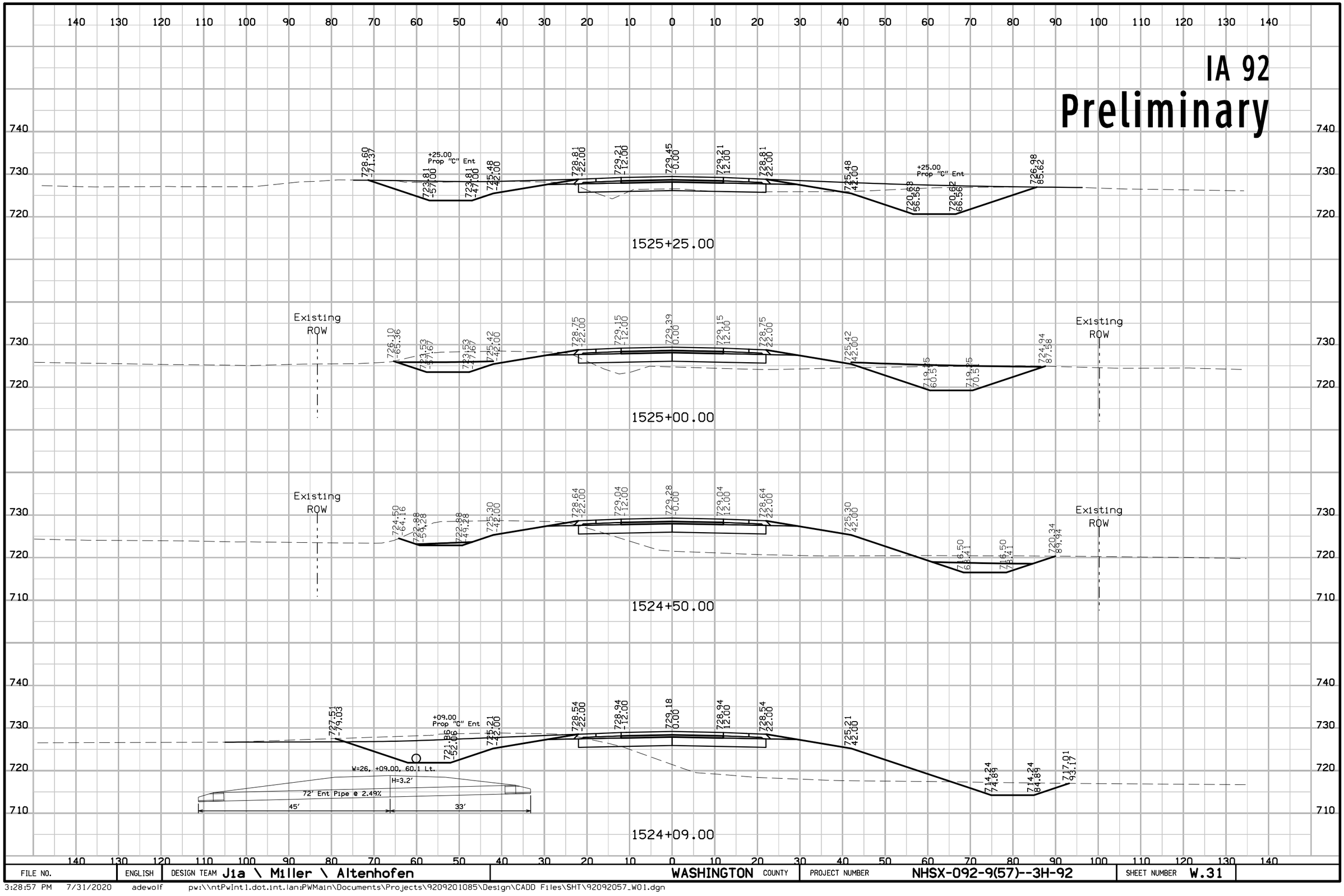
IA 92
Preliminary



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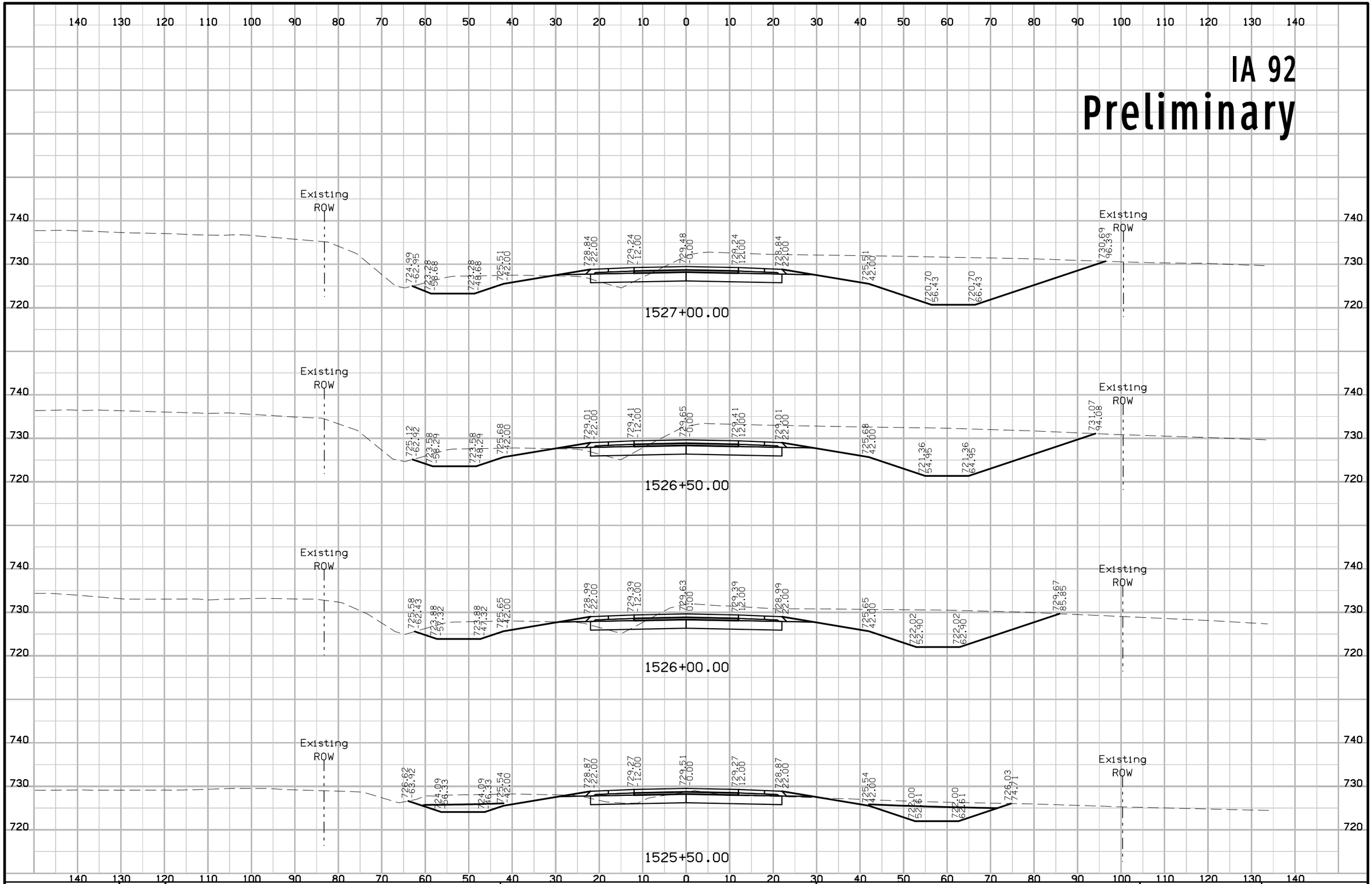
IA 92
Preliminary



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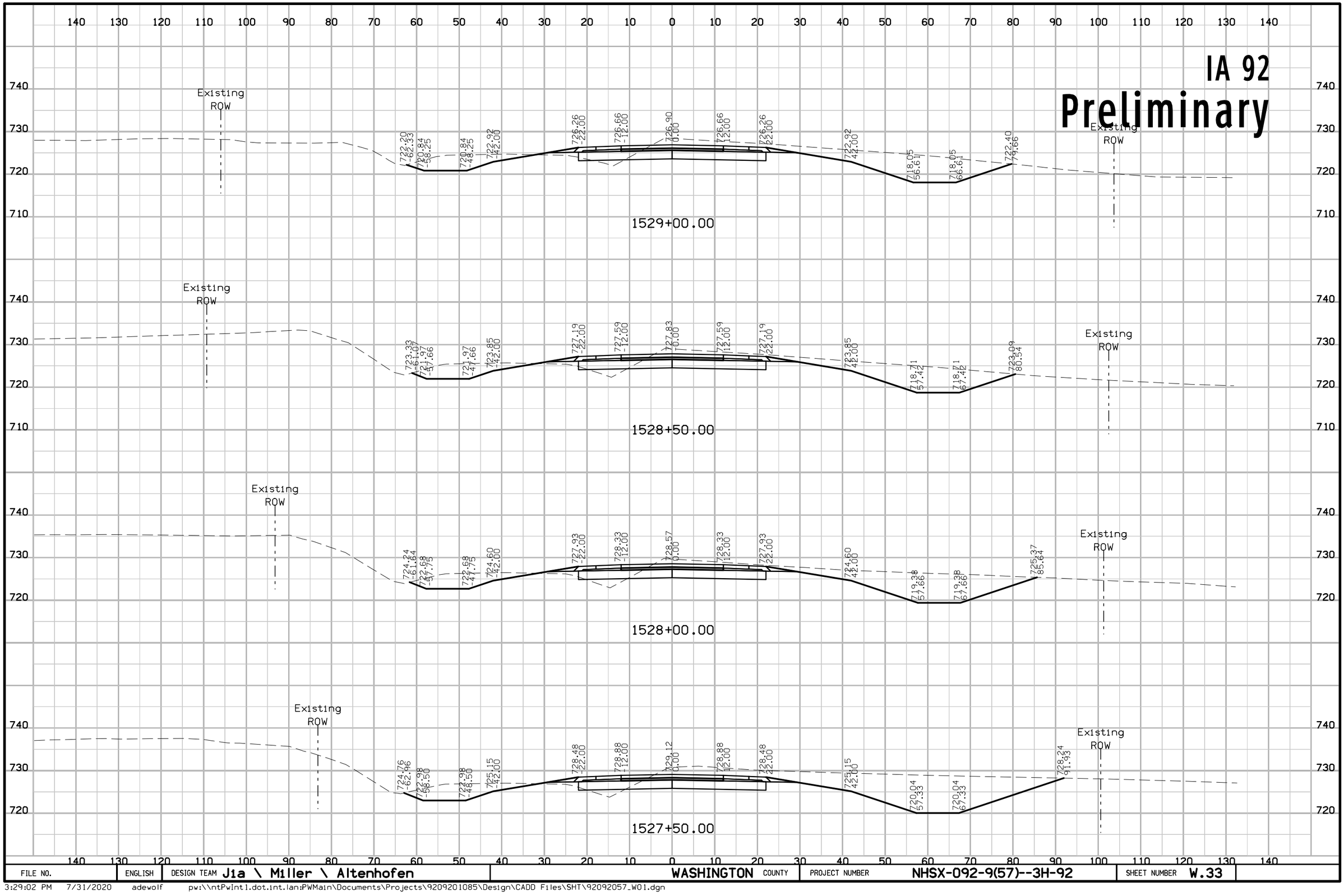
IA 92

Preliminary



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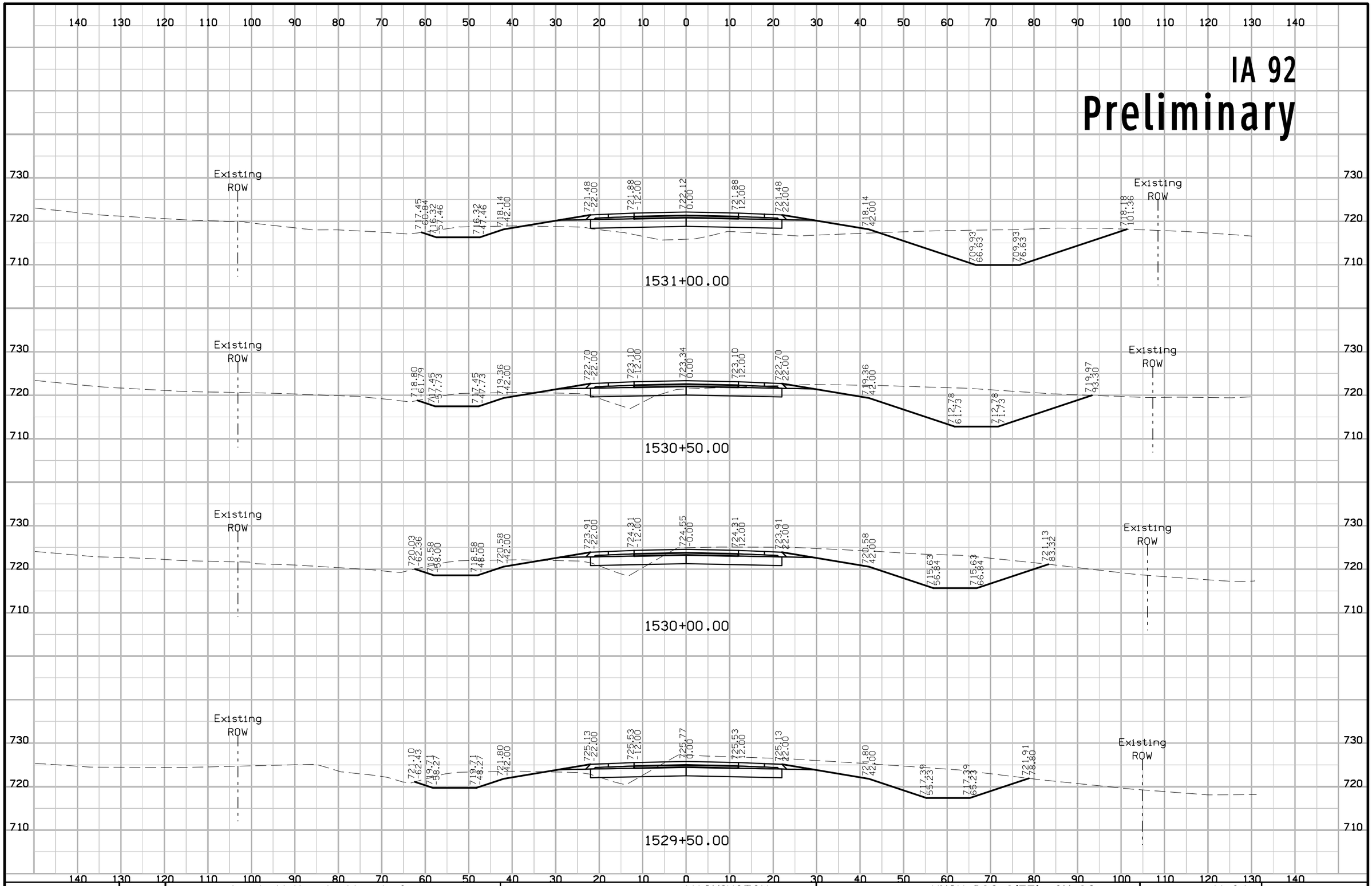
IA 92
Preliminary



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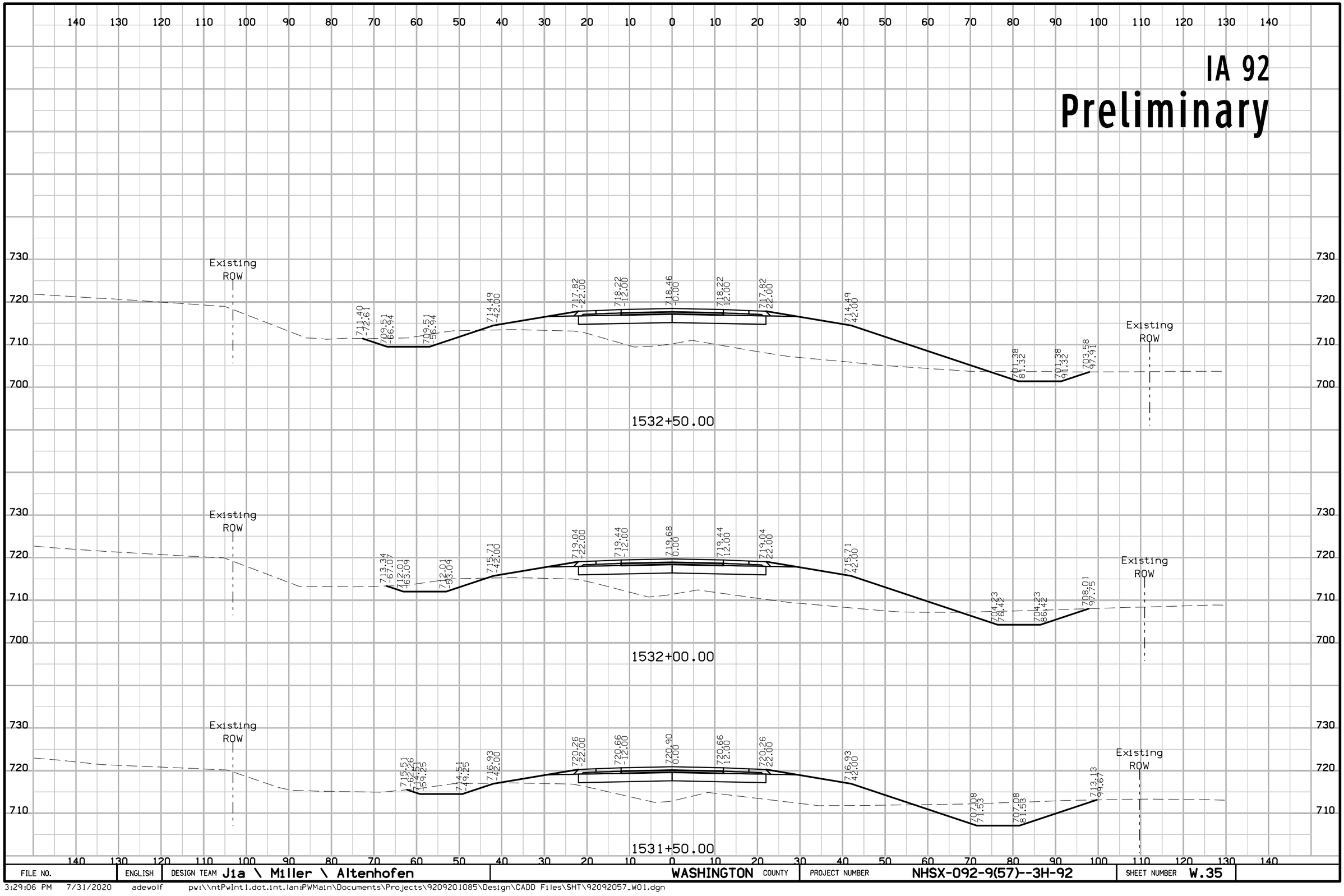
IA 92
Preliminary



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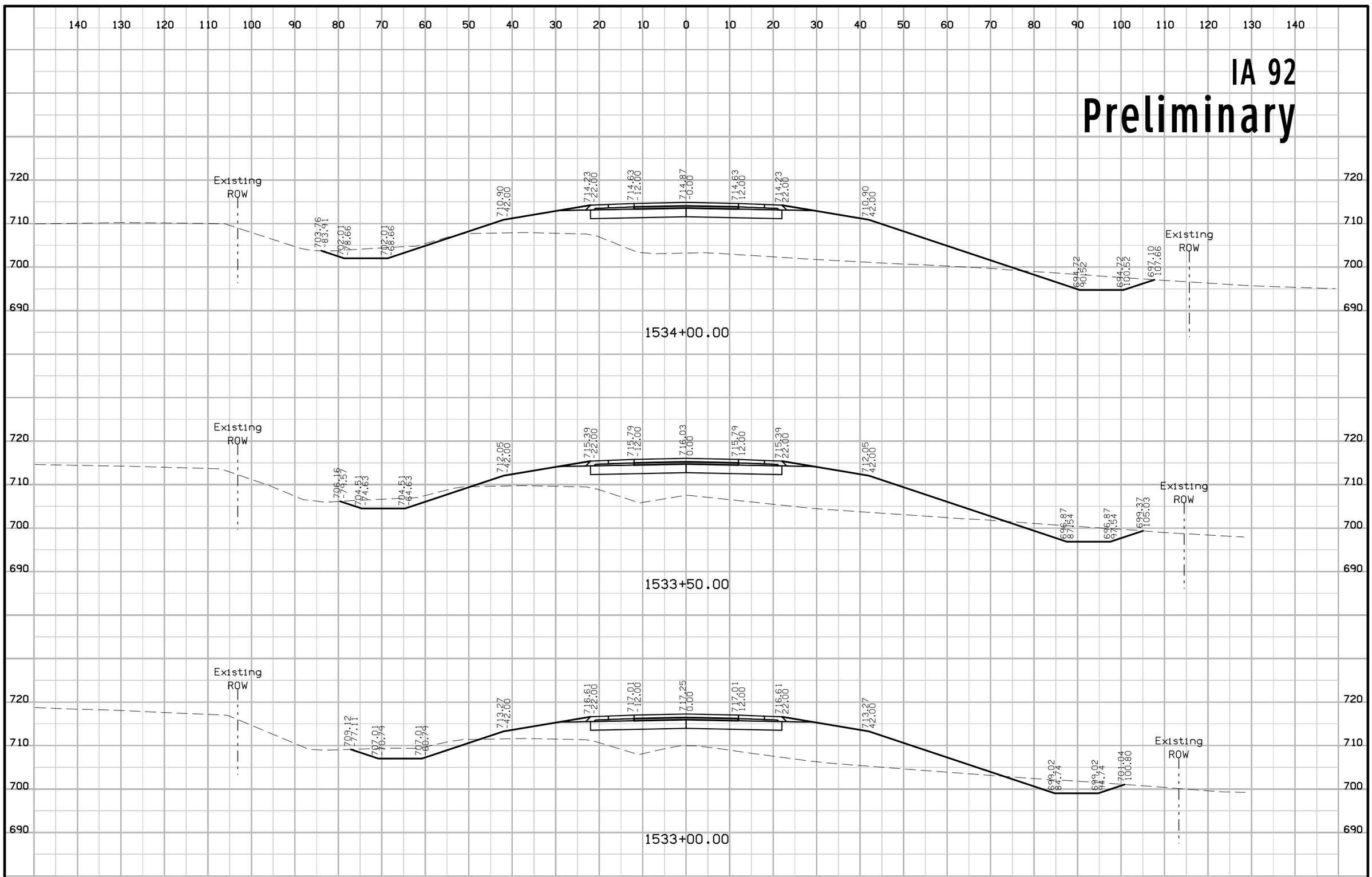
IA 92
Preliminary



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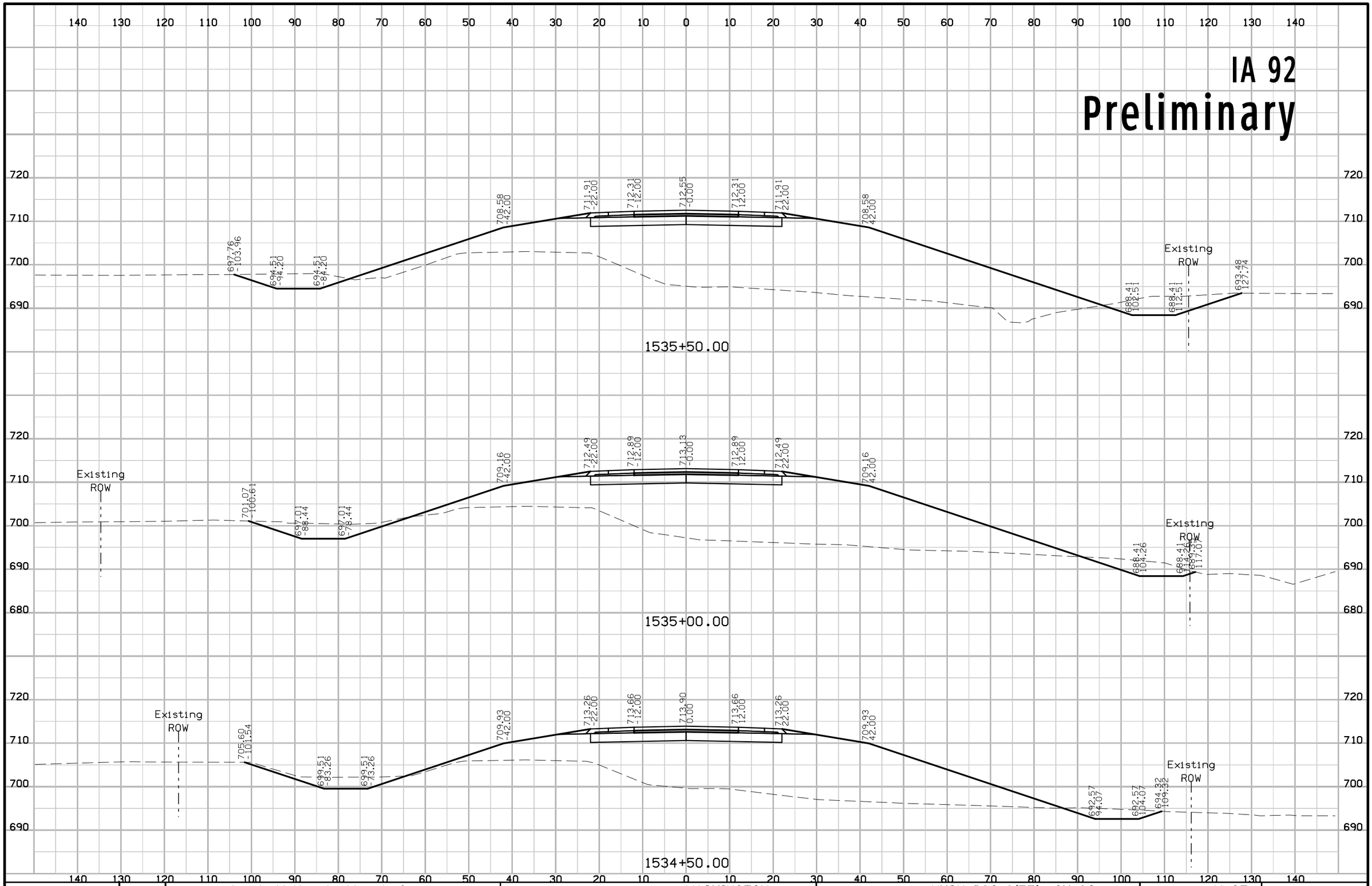
IA 92
Preliminary



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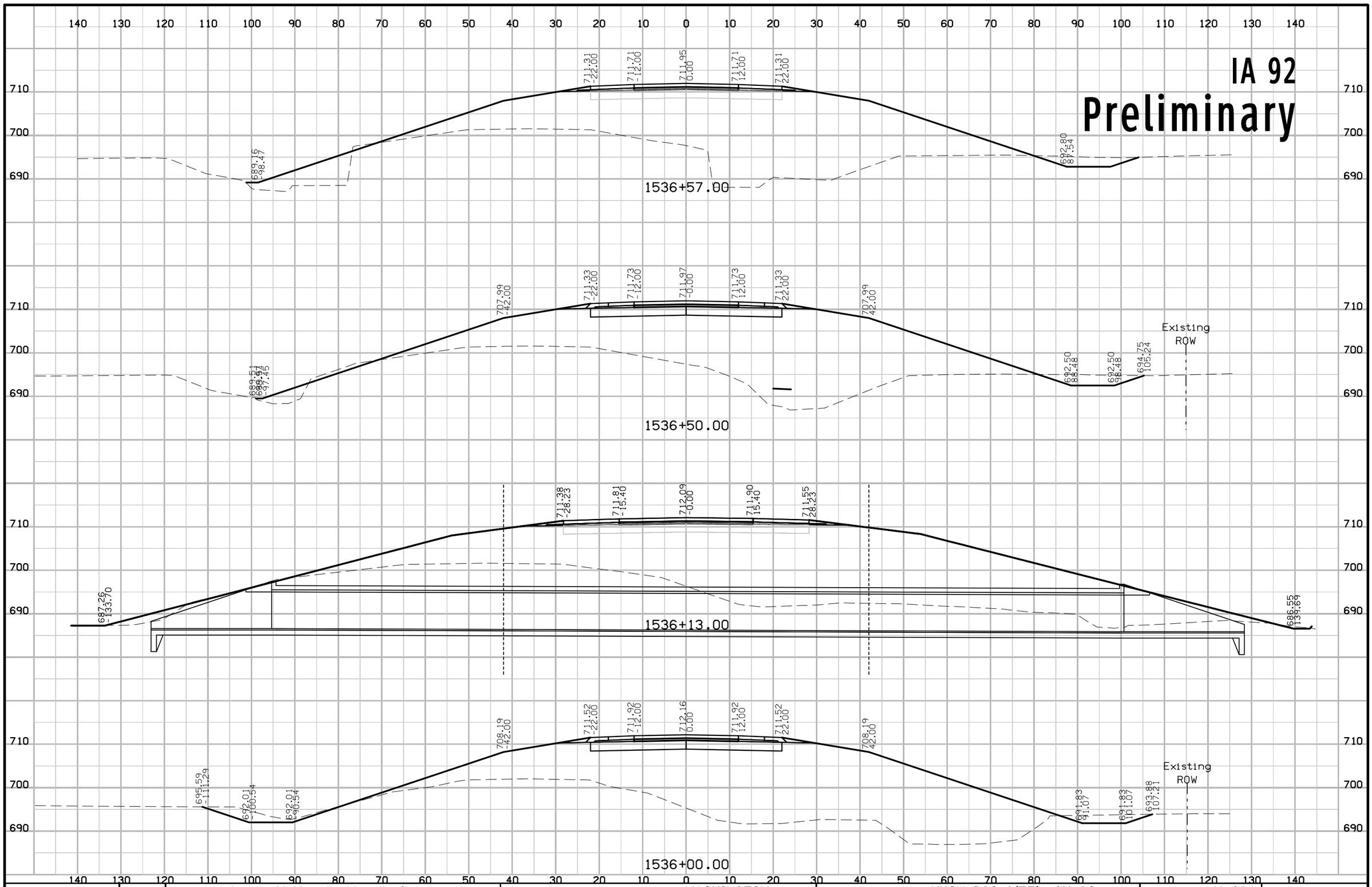
IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.38

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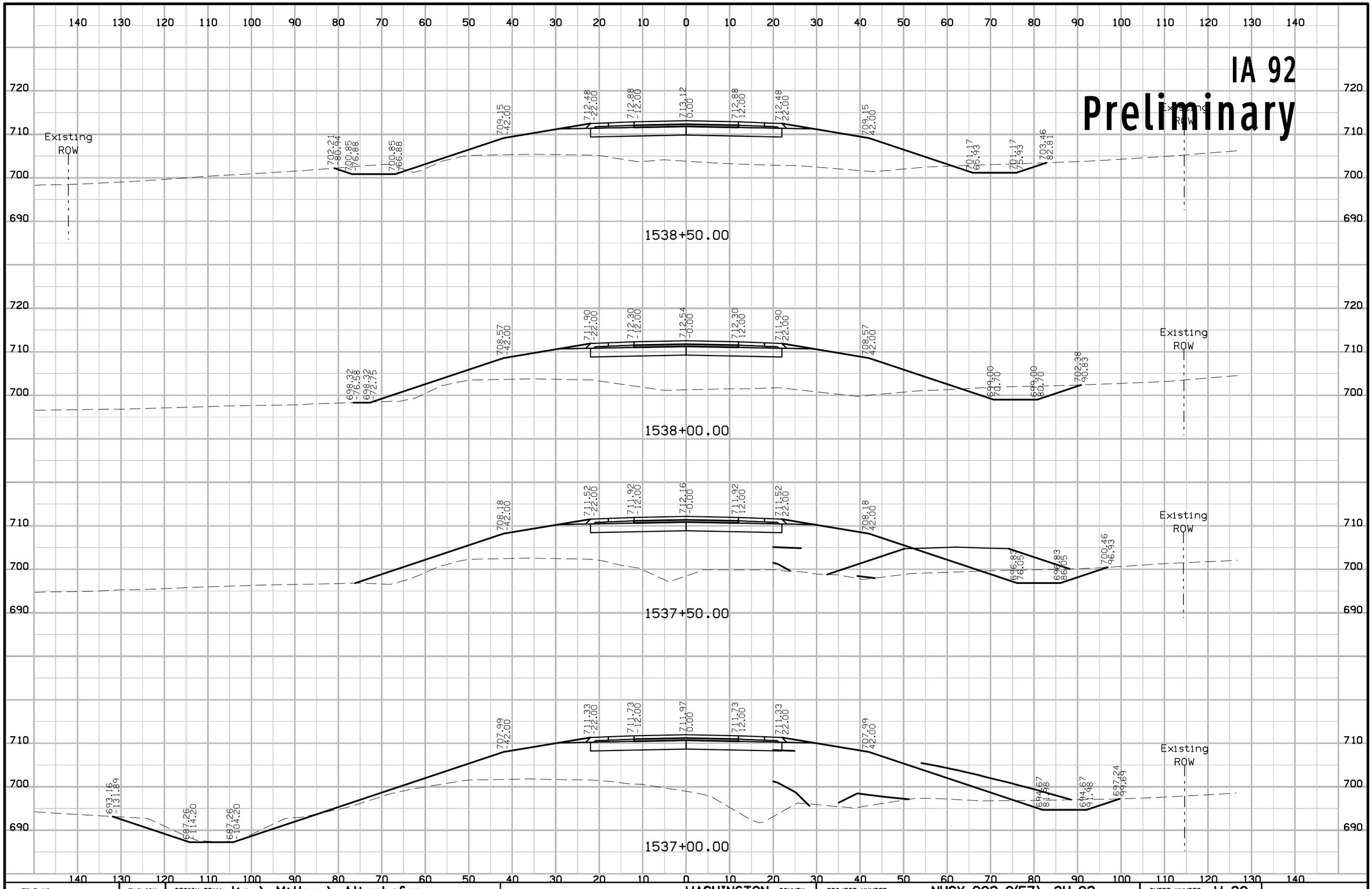
IA 92

Preliminary



FILE NO.	ENGLISH	DESIGN TEAM J1a \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.39

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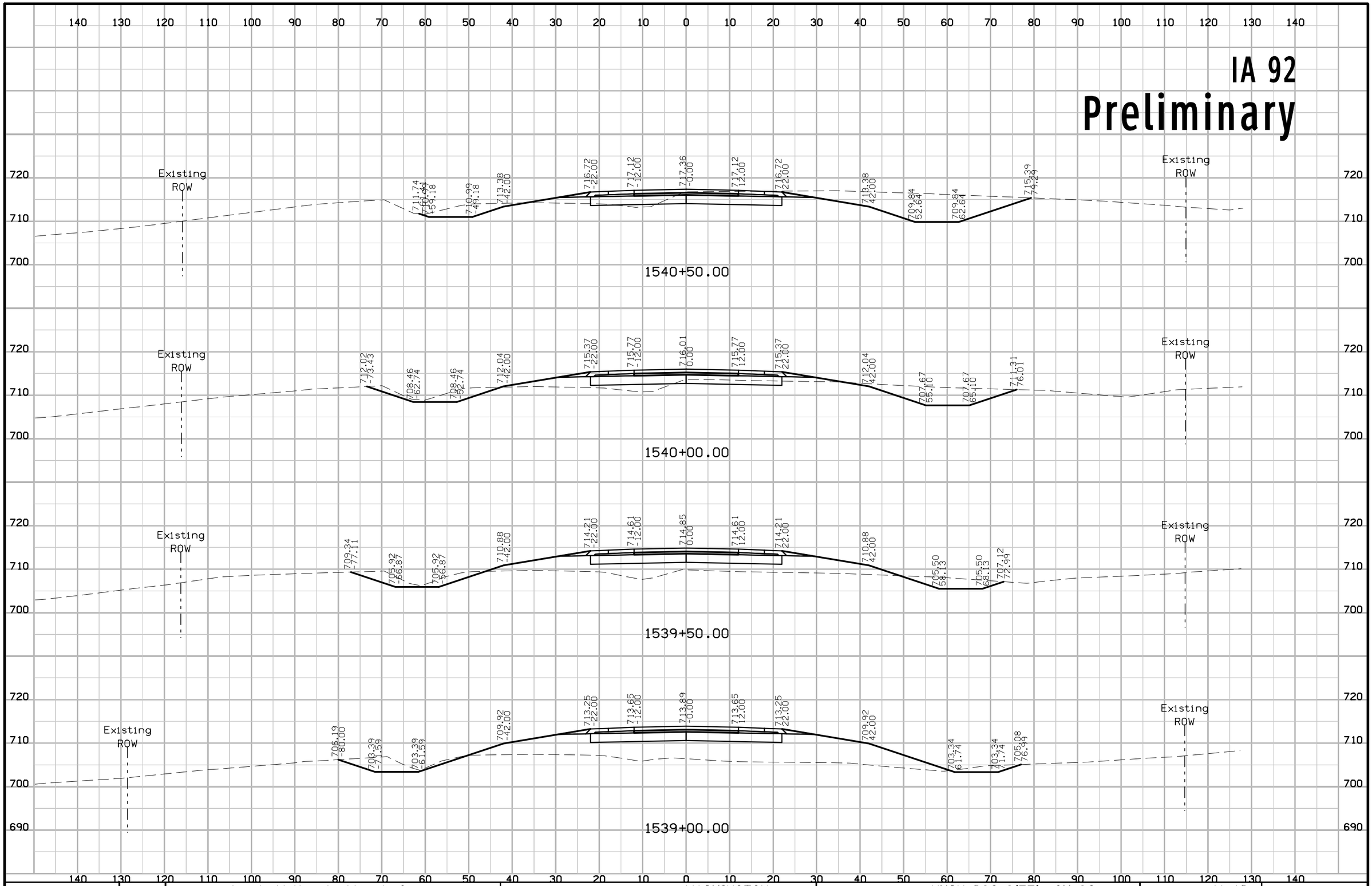
IA 92
Preliminary



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IA 92
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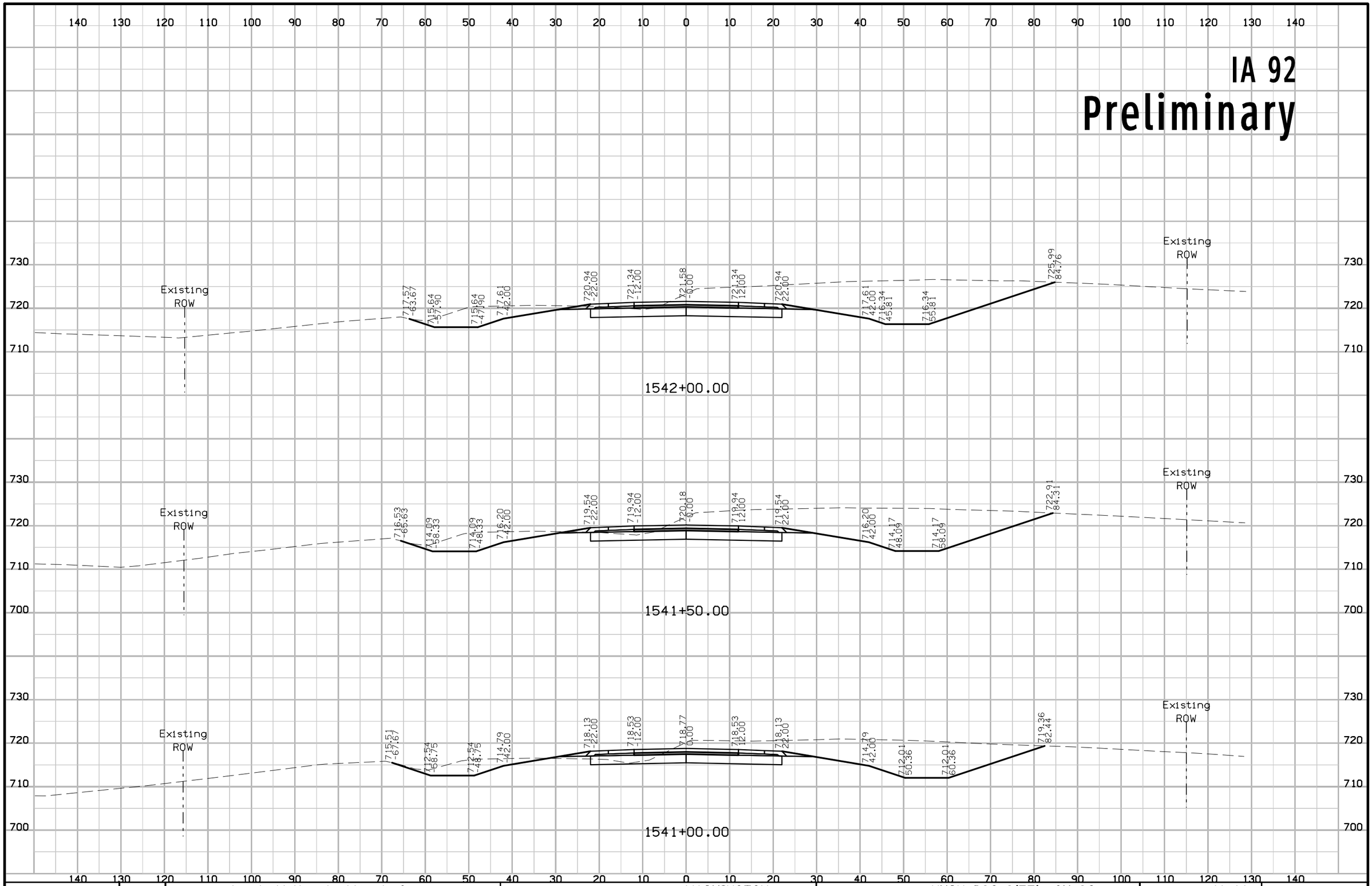

FILE NO.	ENGLISH	DESIGN TEAM J1a \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.41

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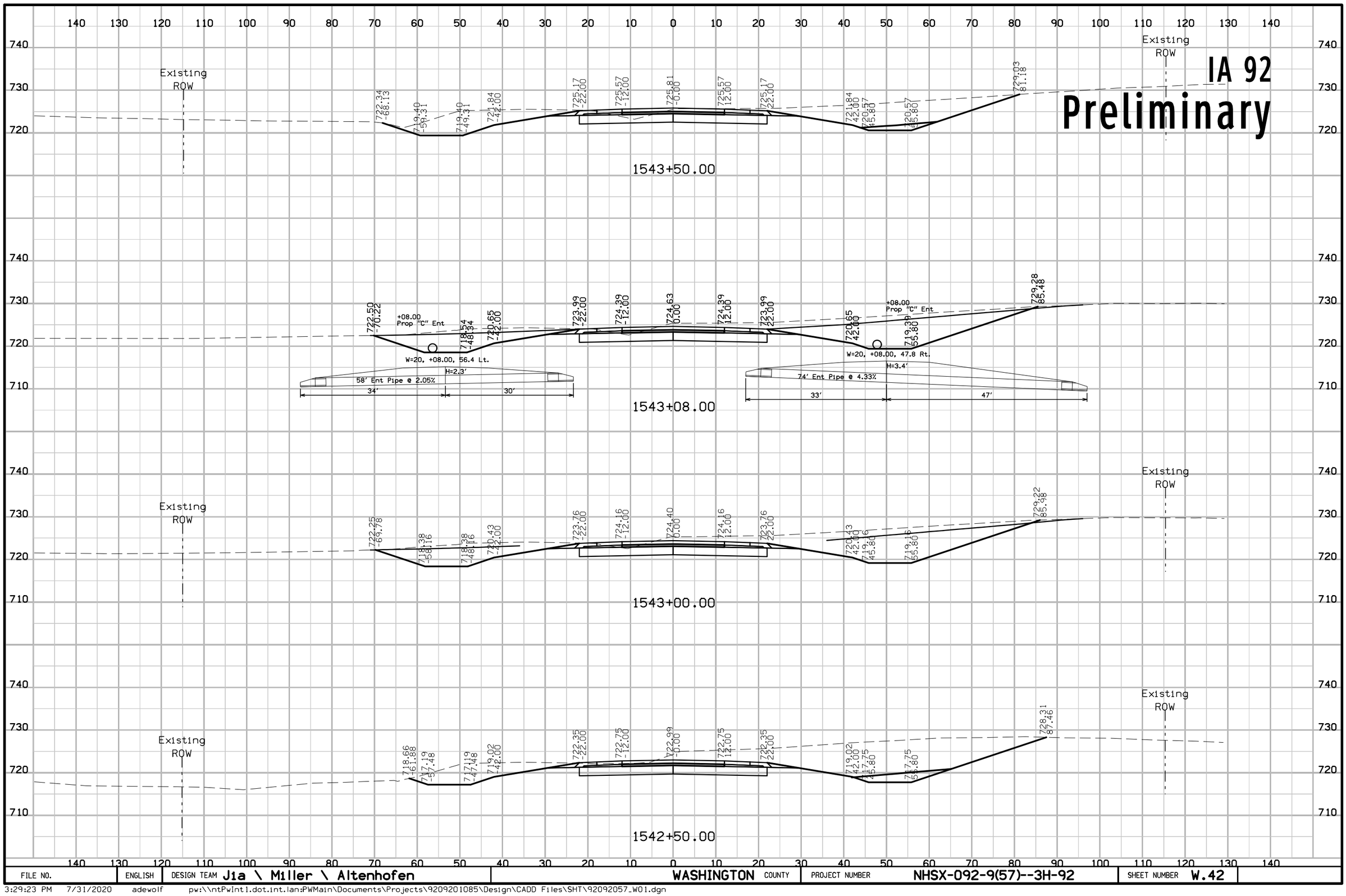
IA 92
Preliminary



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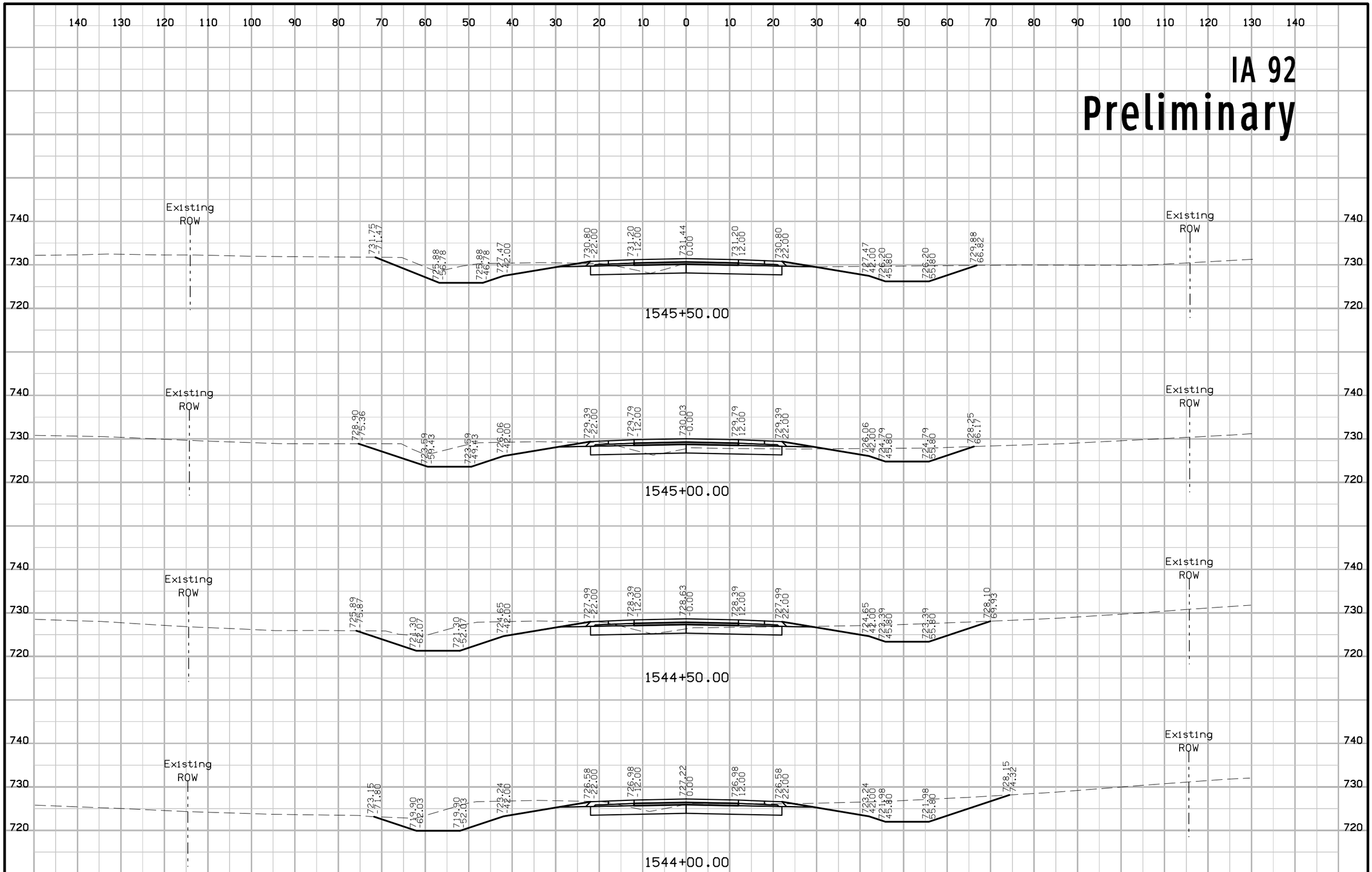
IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.43

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IA 92

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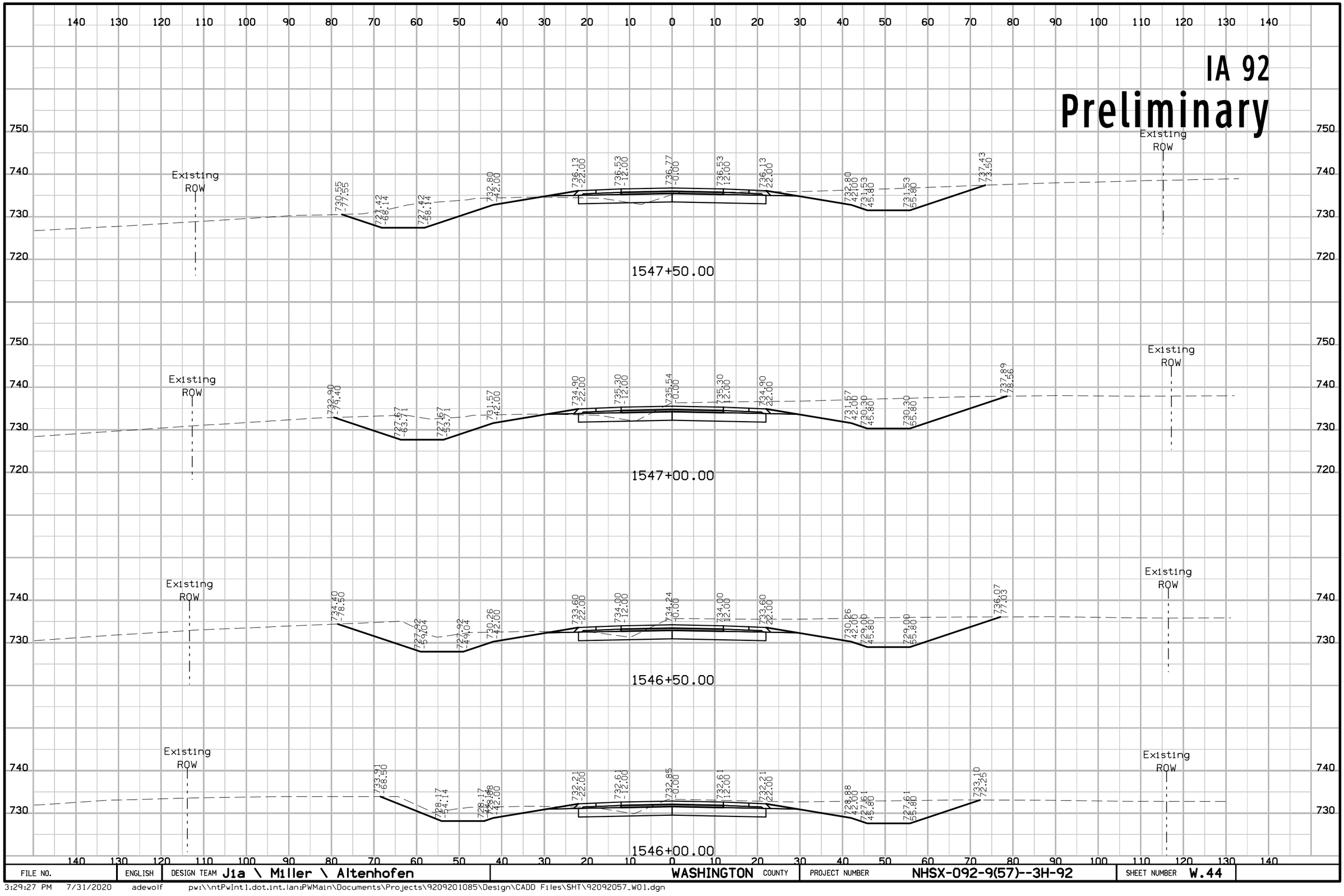

FILE NO.	ENGLISH	DESIGN TEAM J1a \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.44

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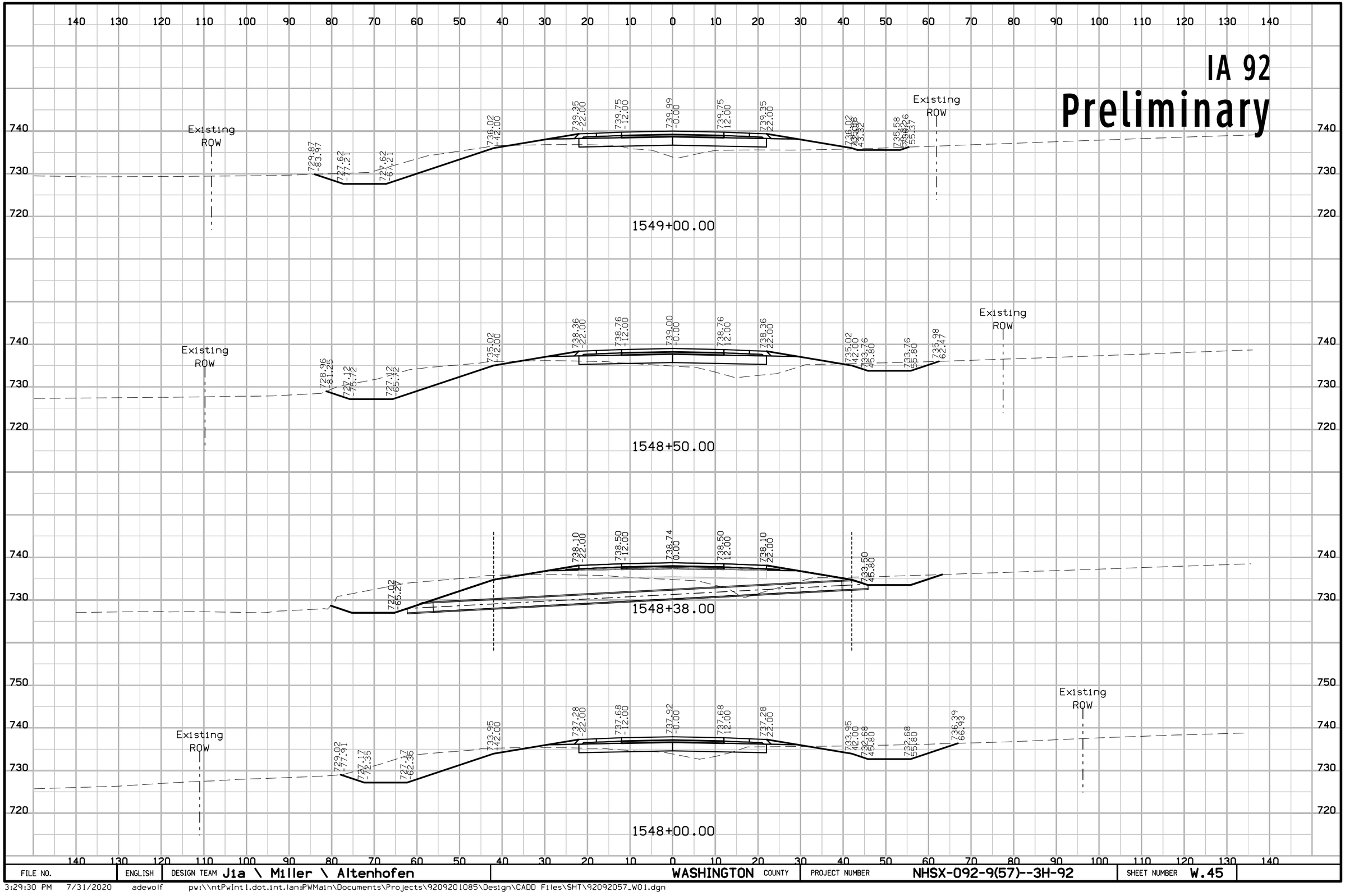
IA 92

Preliminary



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.45

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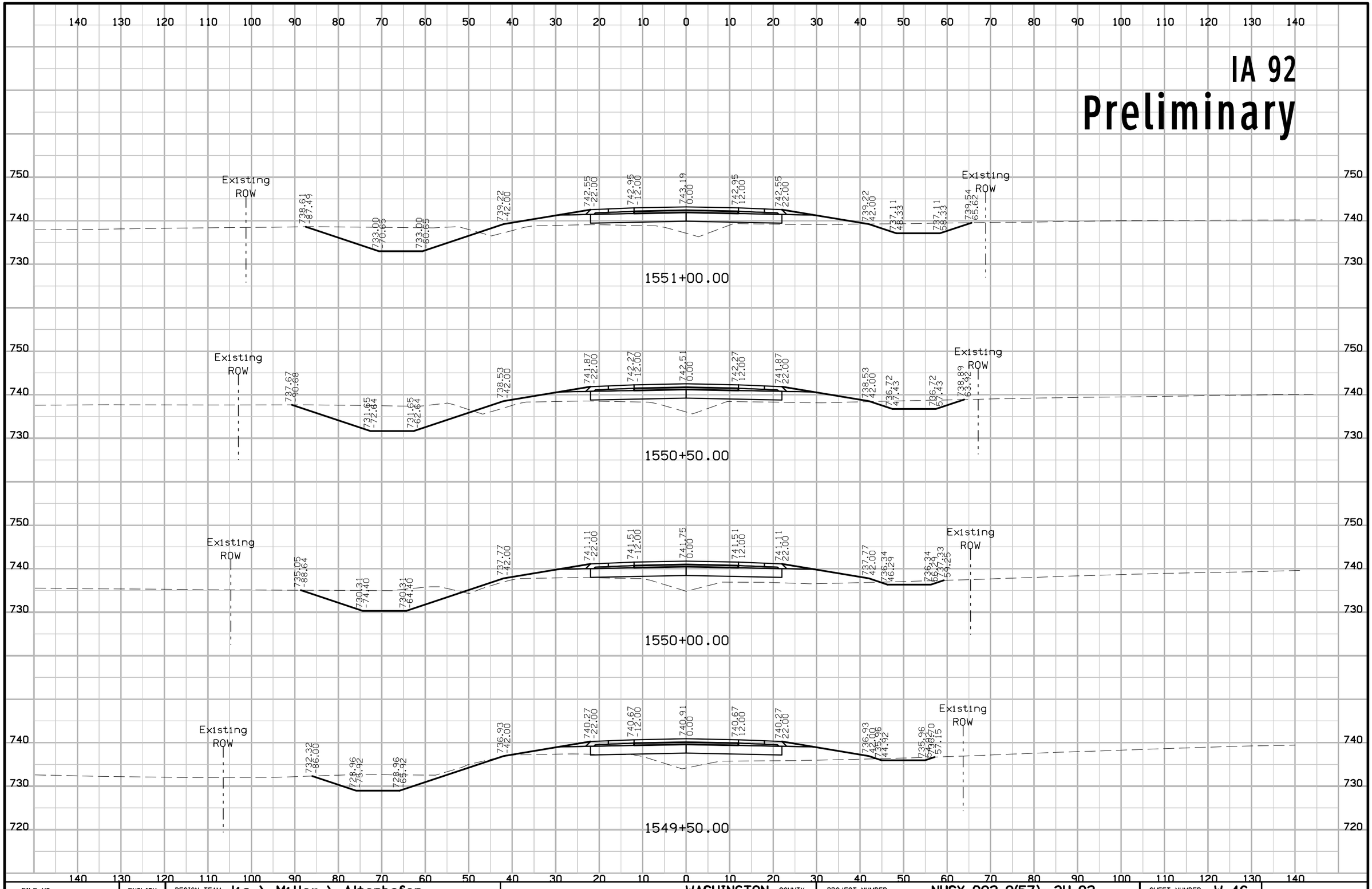
IA 92
Preliminary



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IA 92
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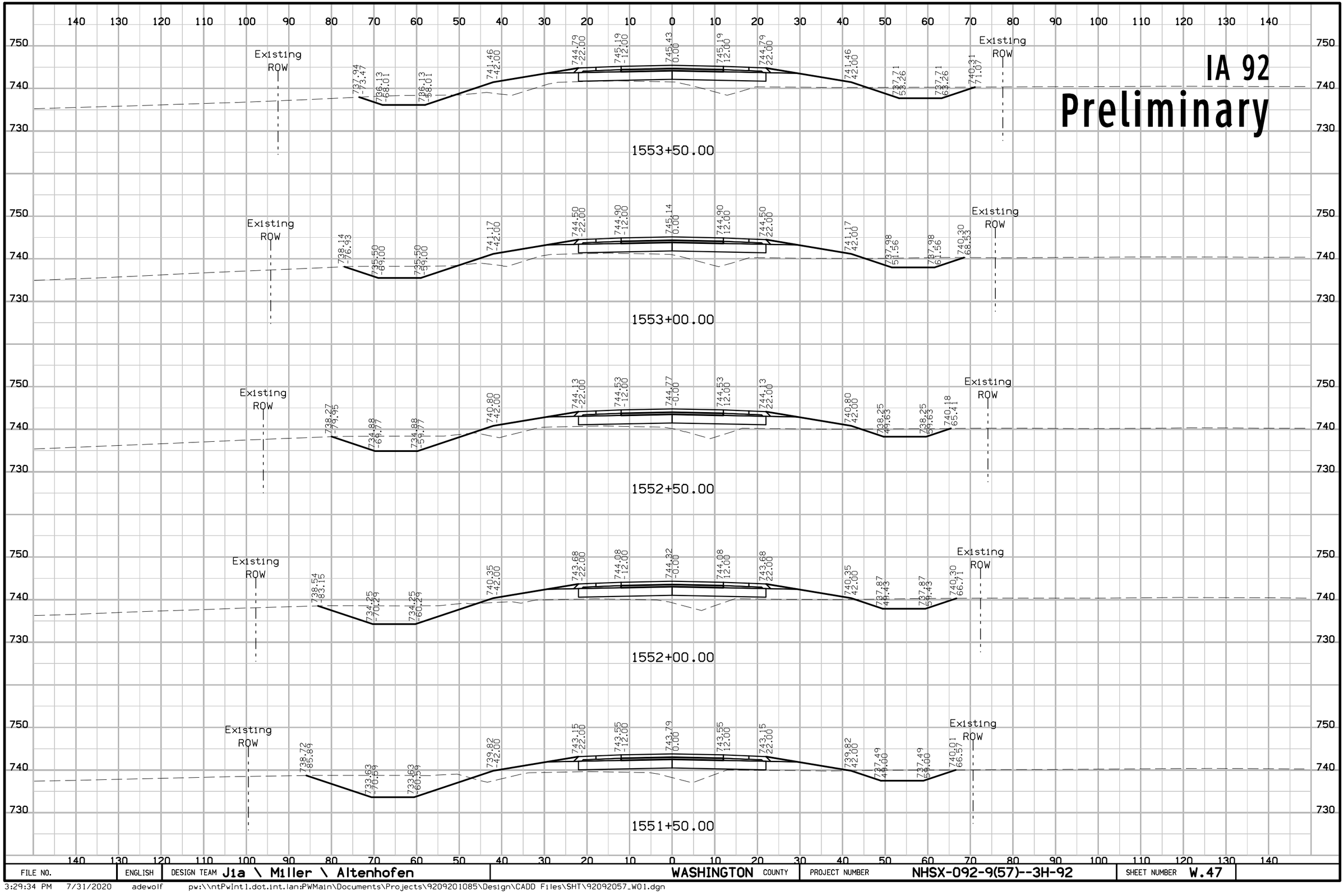

FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.47

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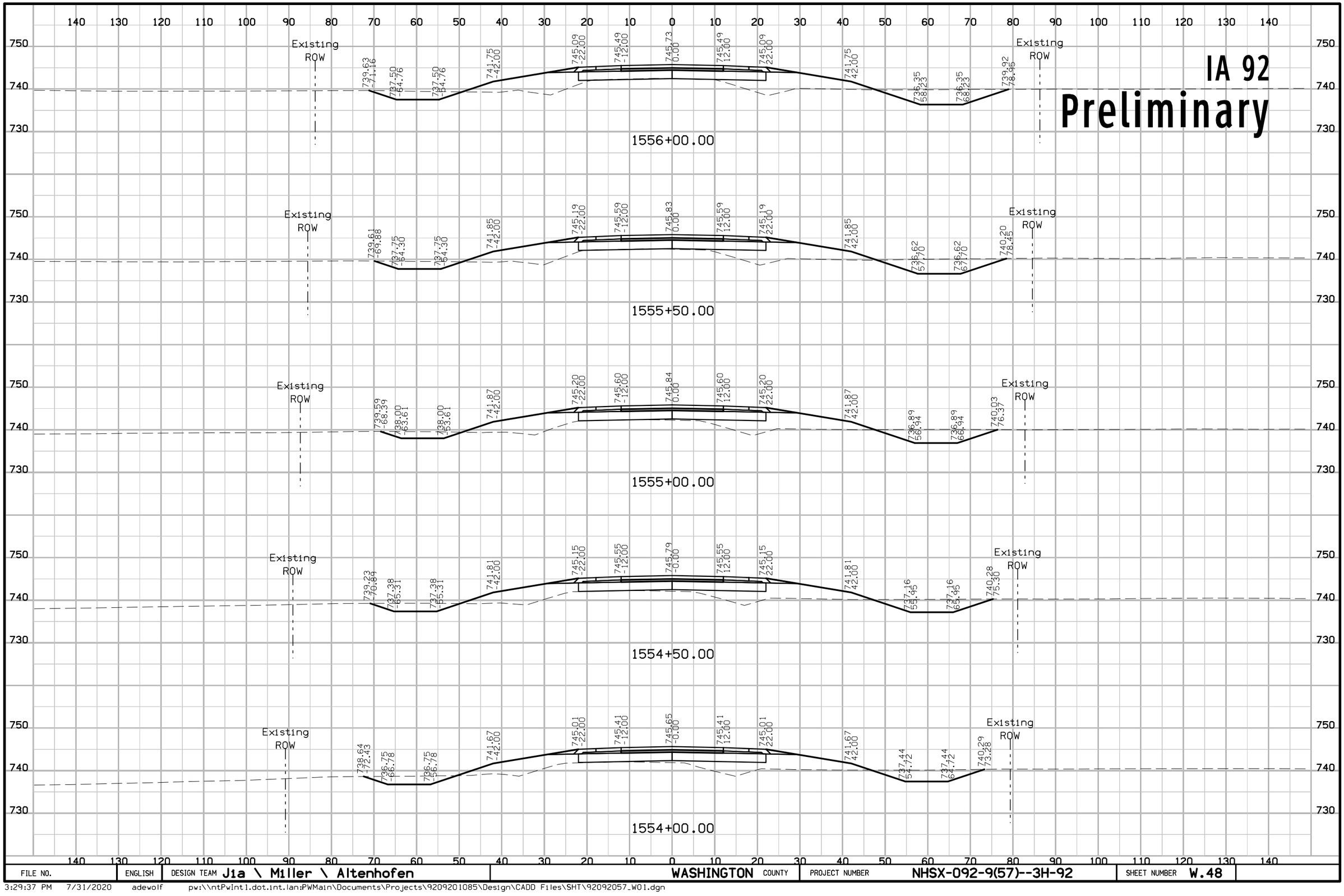
IA 92

Preliminary



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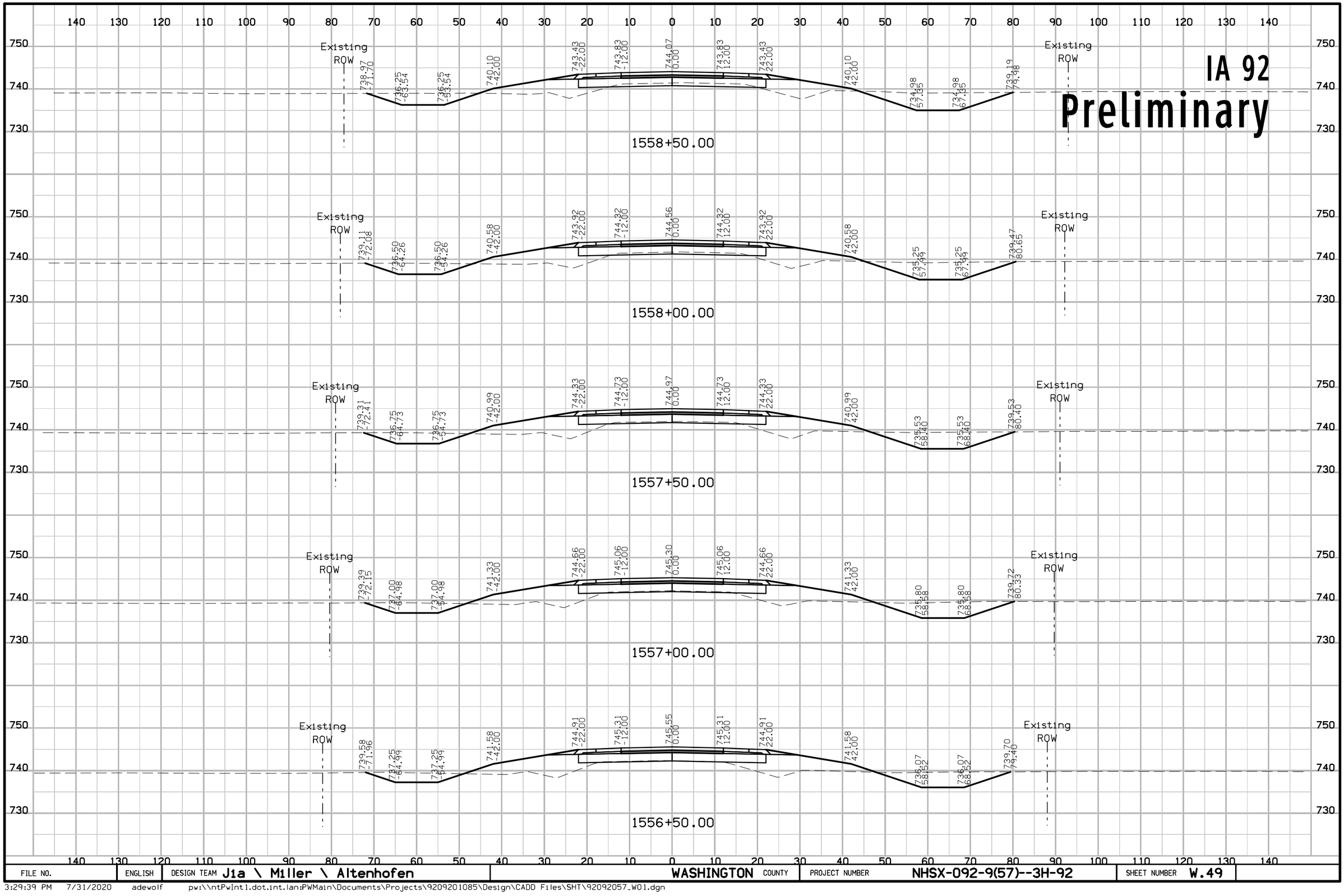
IA 92

Preliminary



FILE NO.	ENGLISH	DESIGN TEAM J1a \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.49

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IA 92

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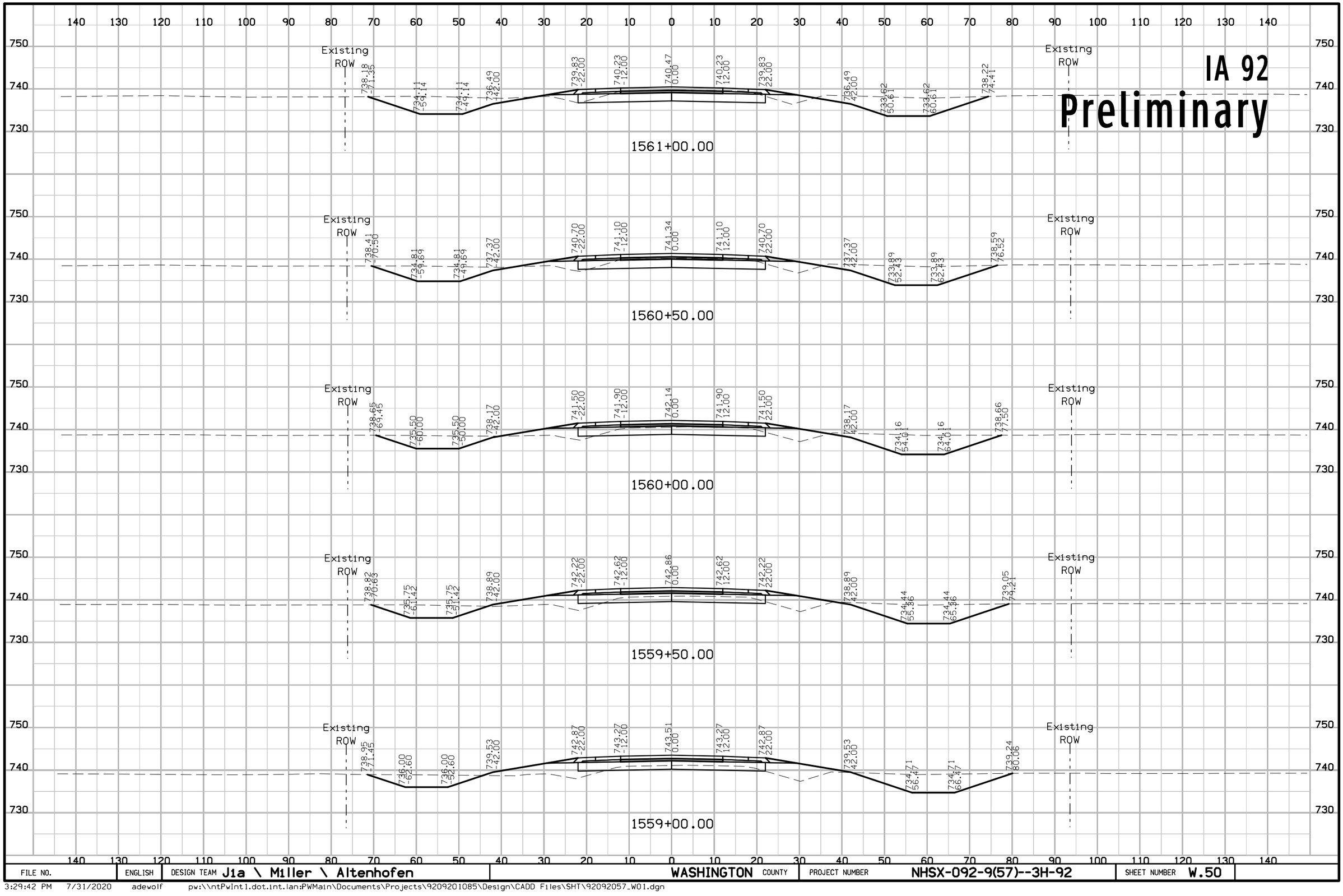

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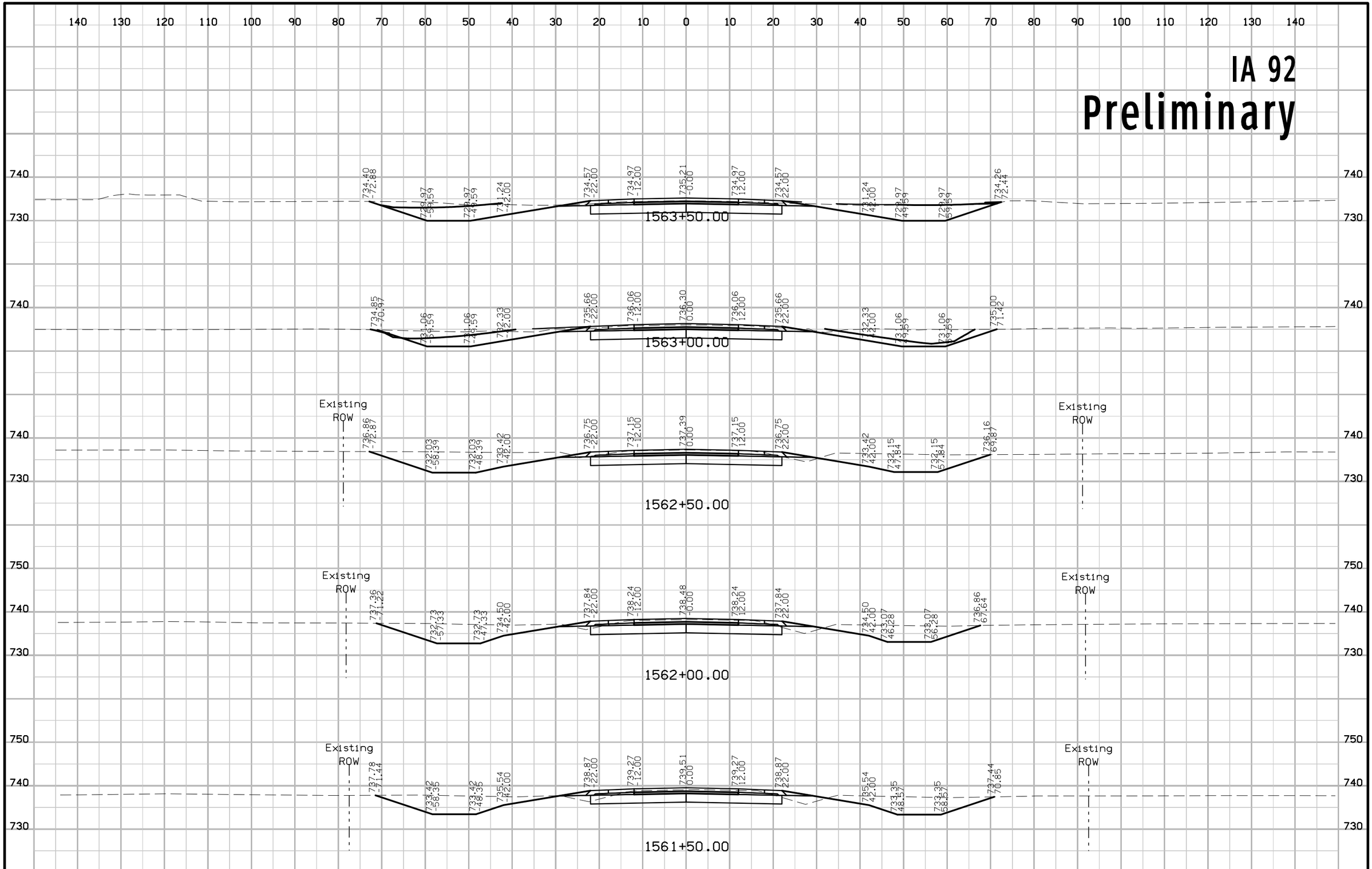
IA 92
Preliminary



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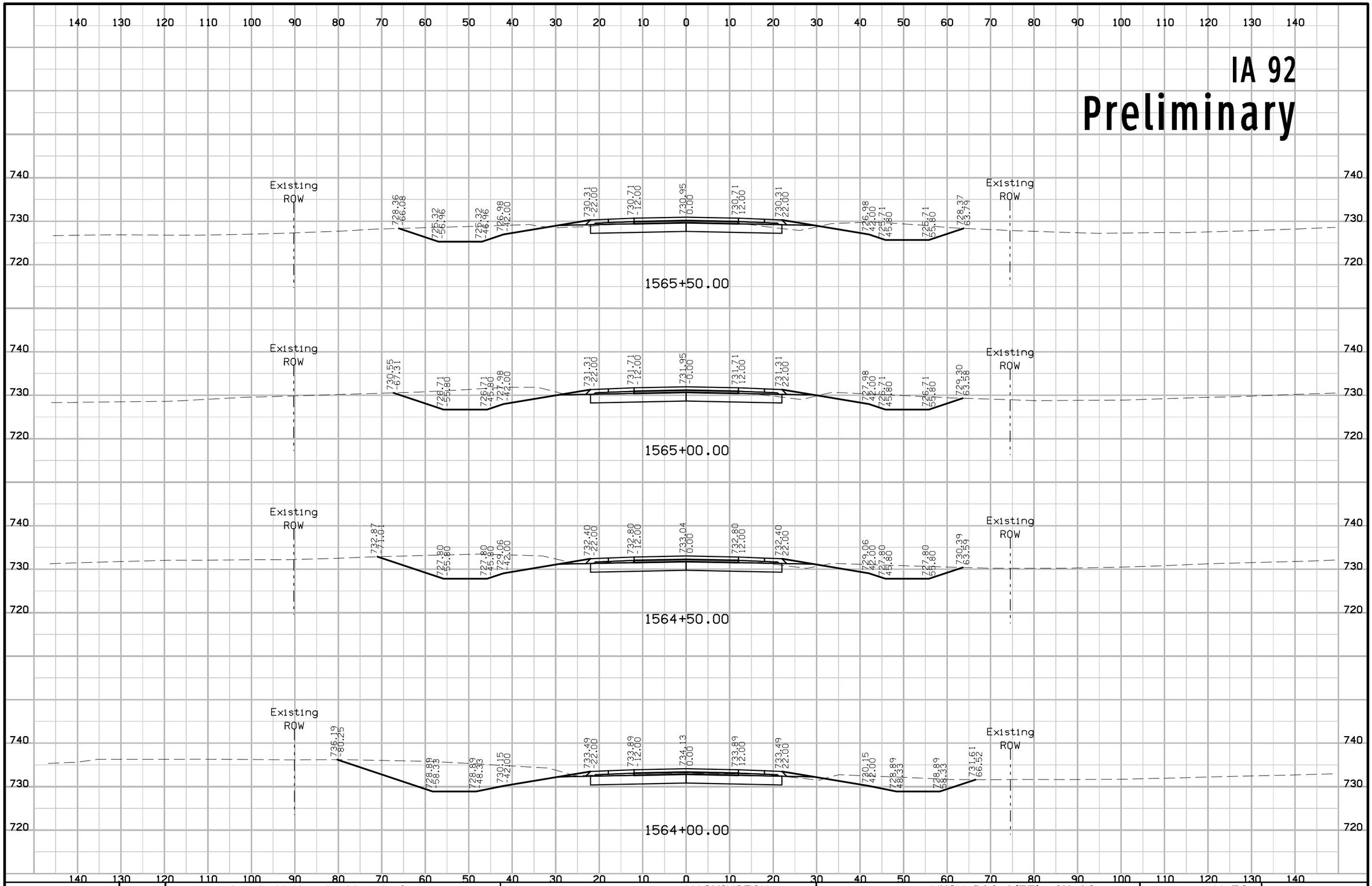
IA 92
Preliminary



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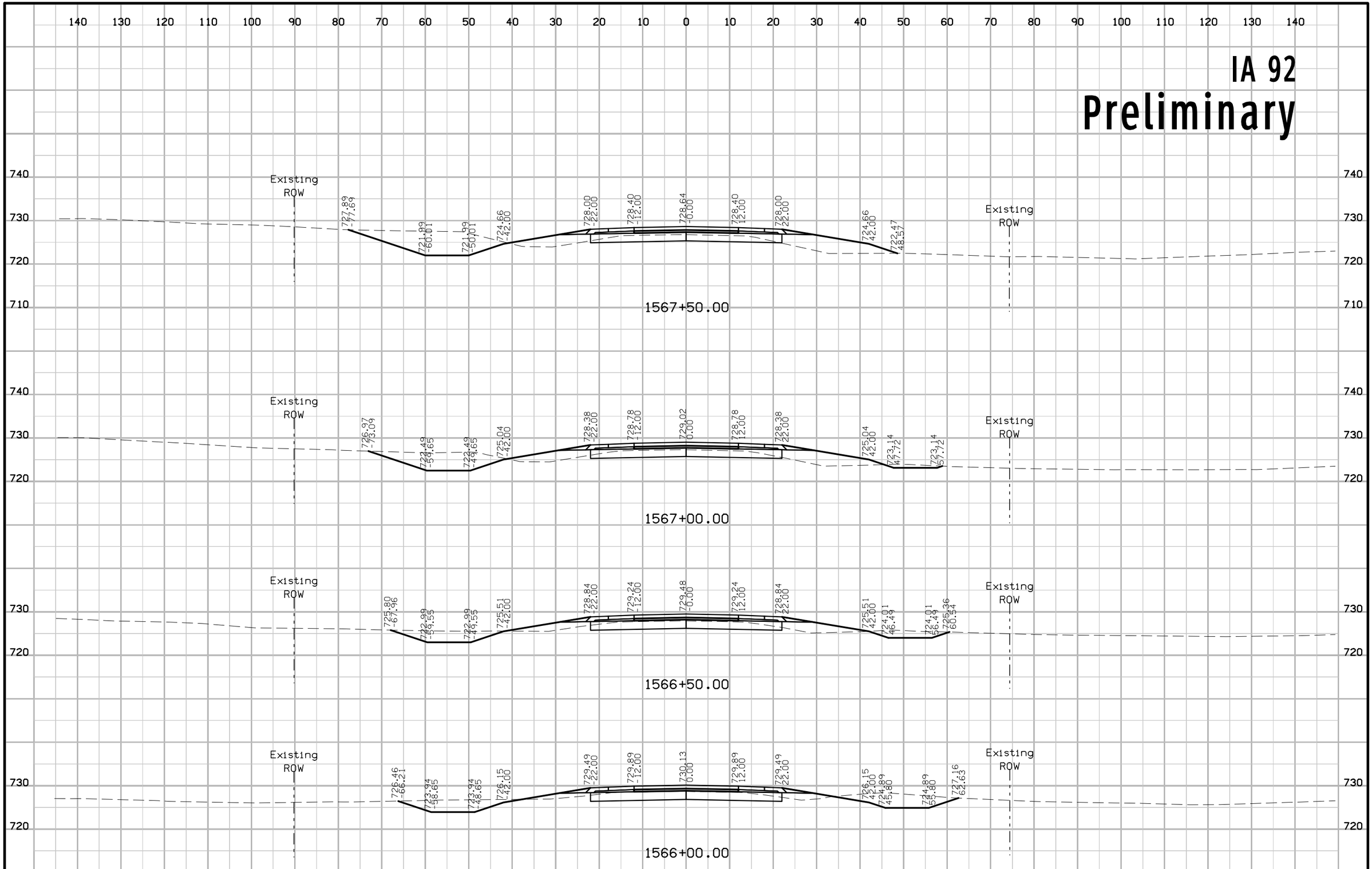
IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.53

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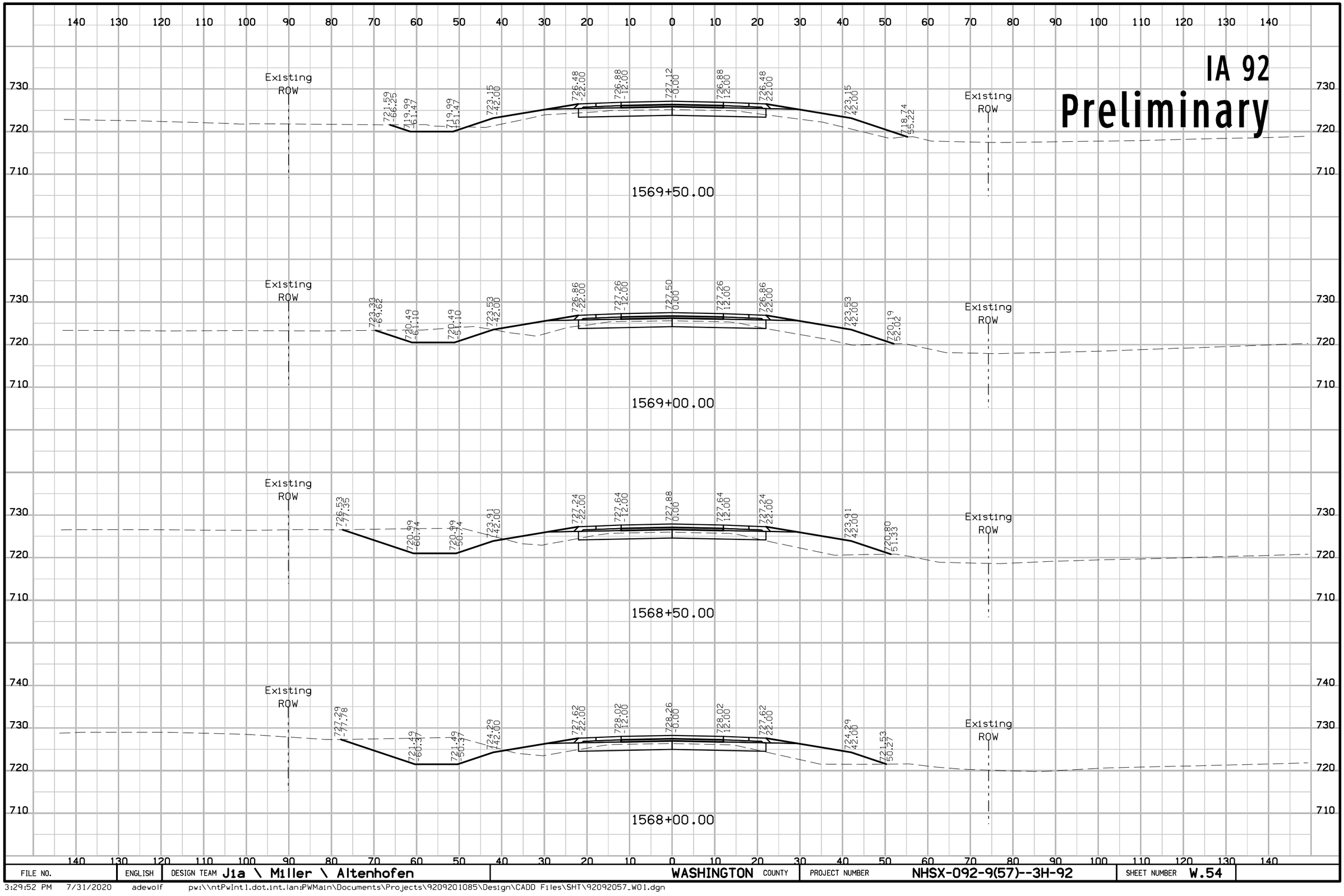
IA 92

Preliminary



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IA 92
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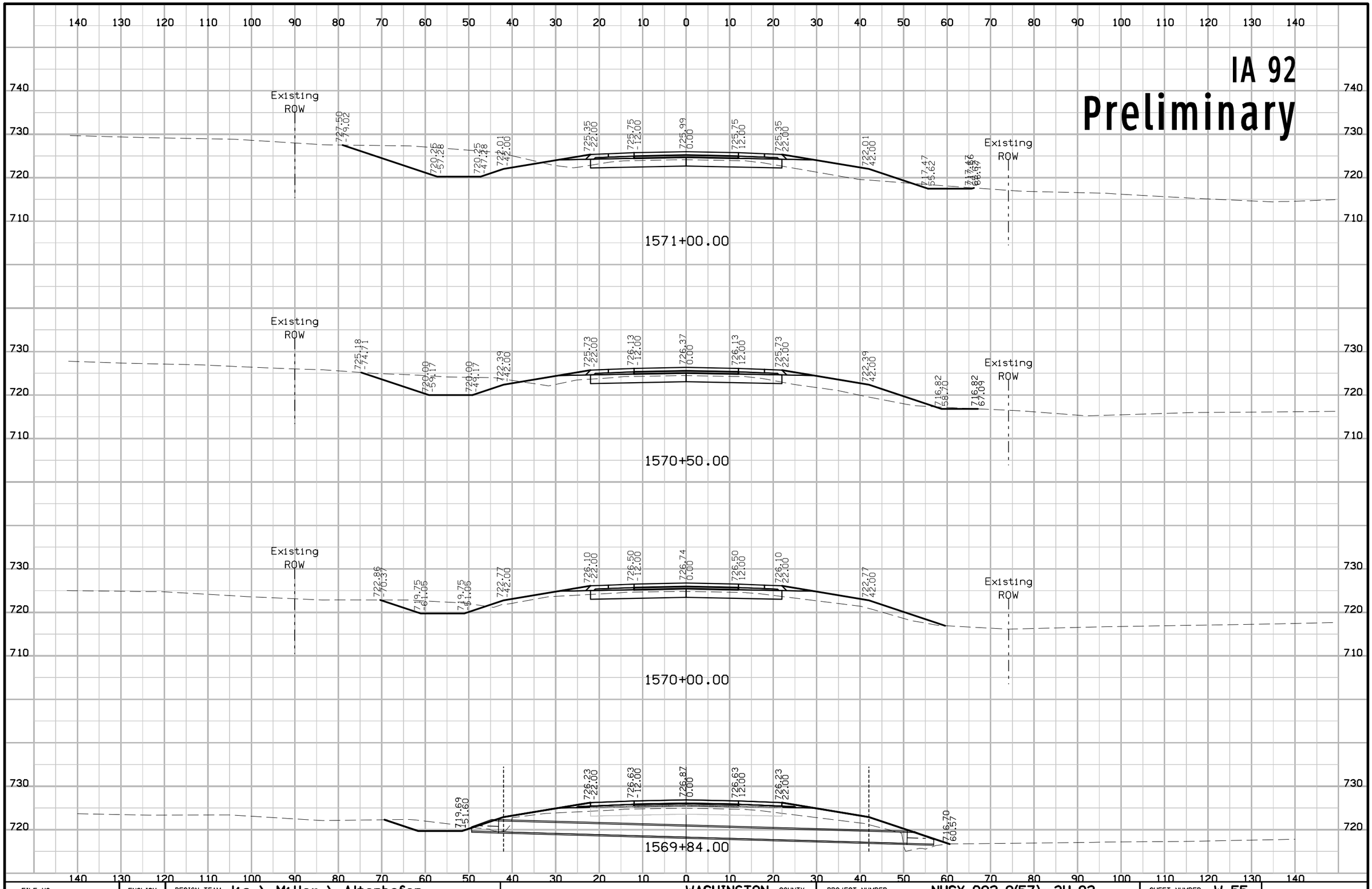

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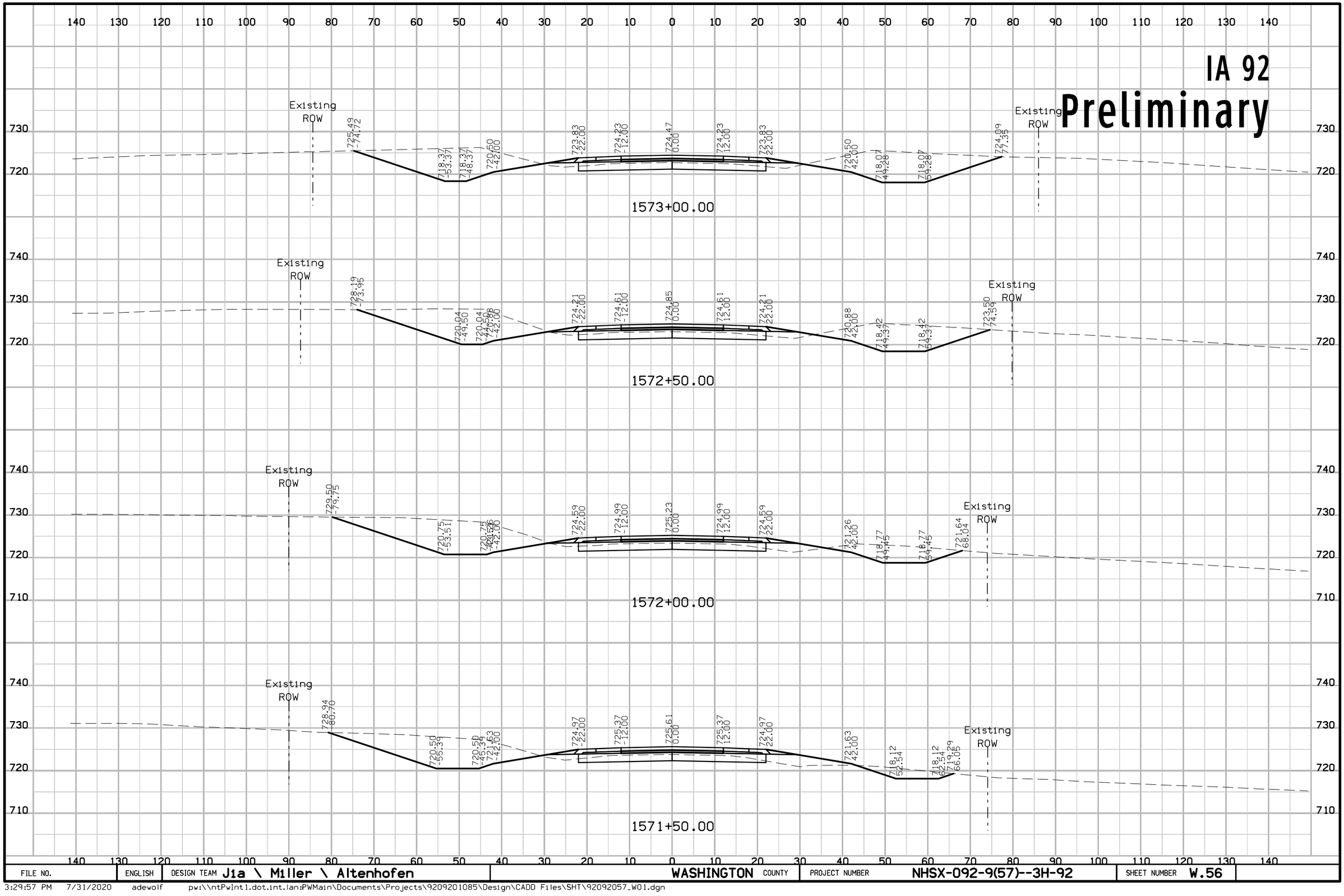
IA 92

Preliminary



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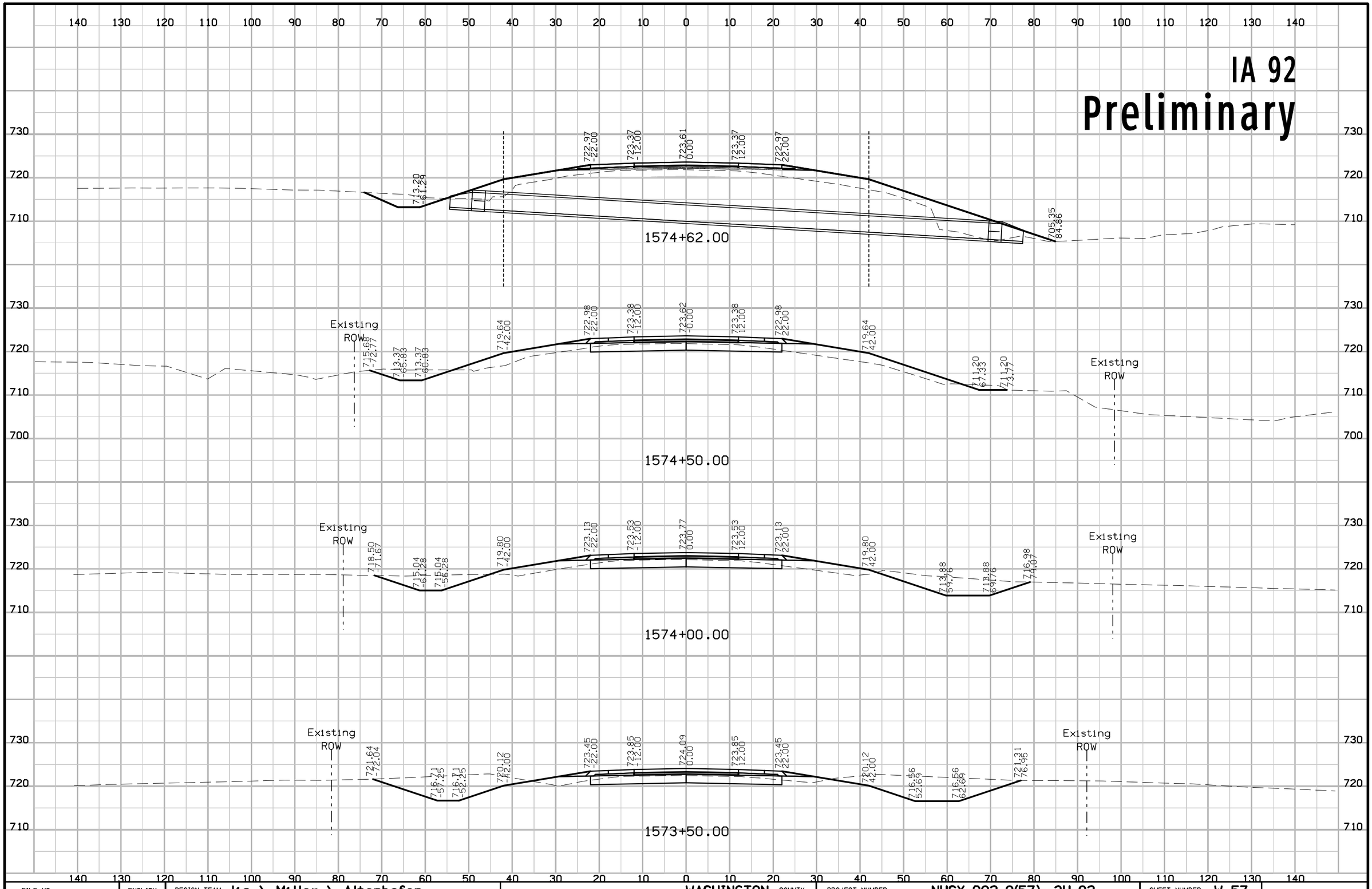
IA 92
Preliminary



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IA 92

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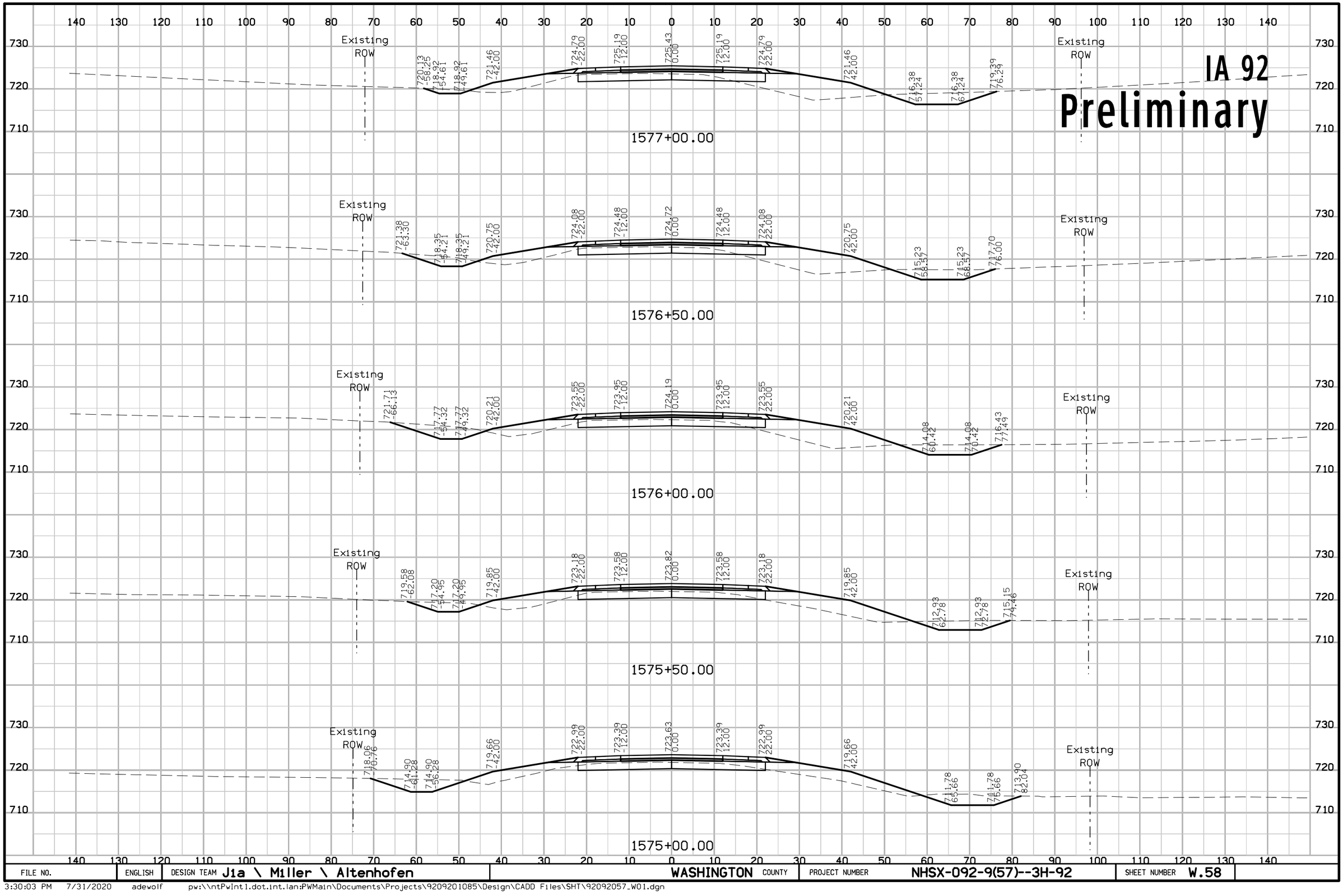

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IA 92
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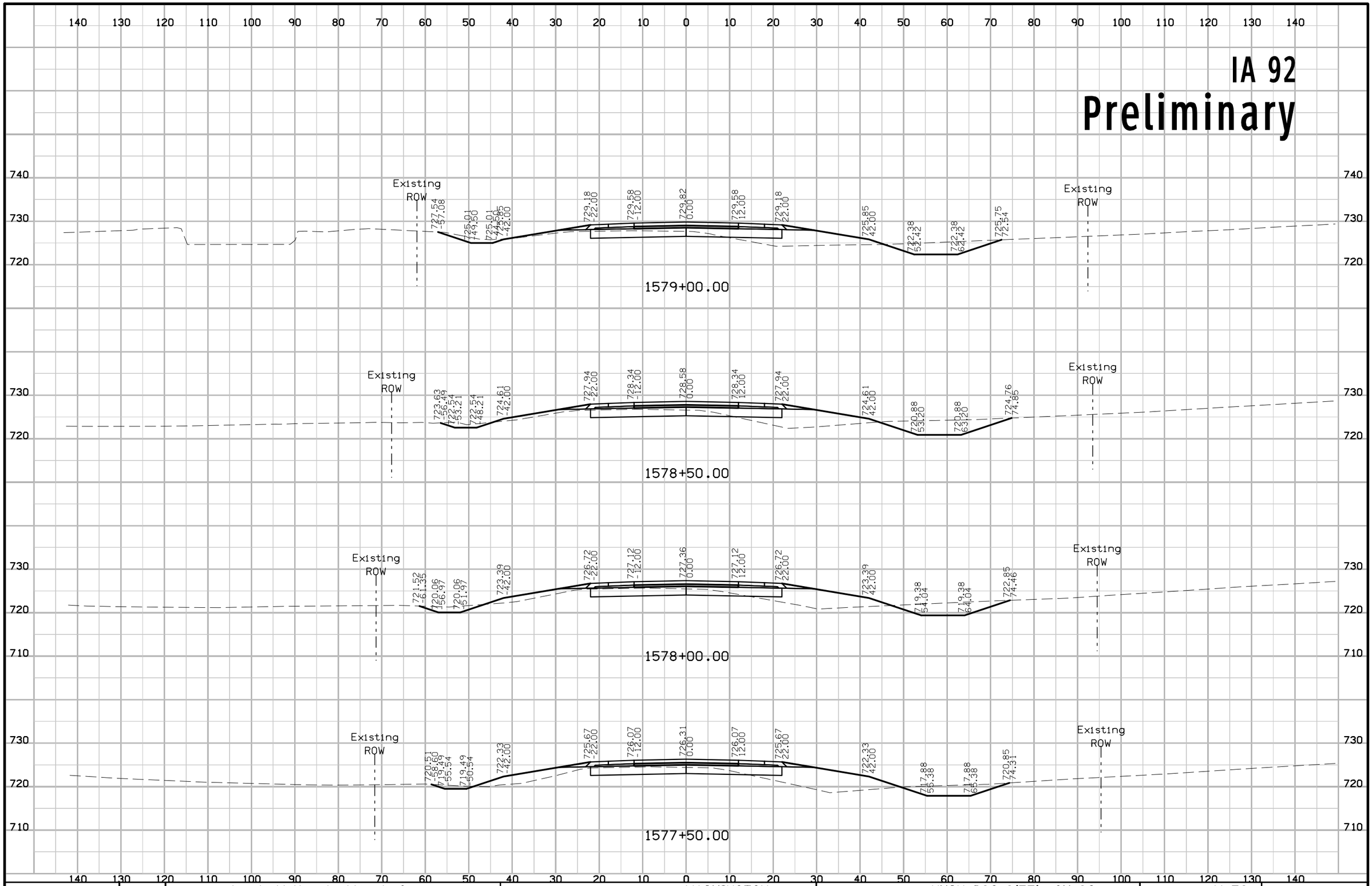

FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.59

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IA 92
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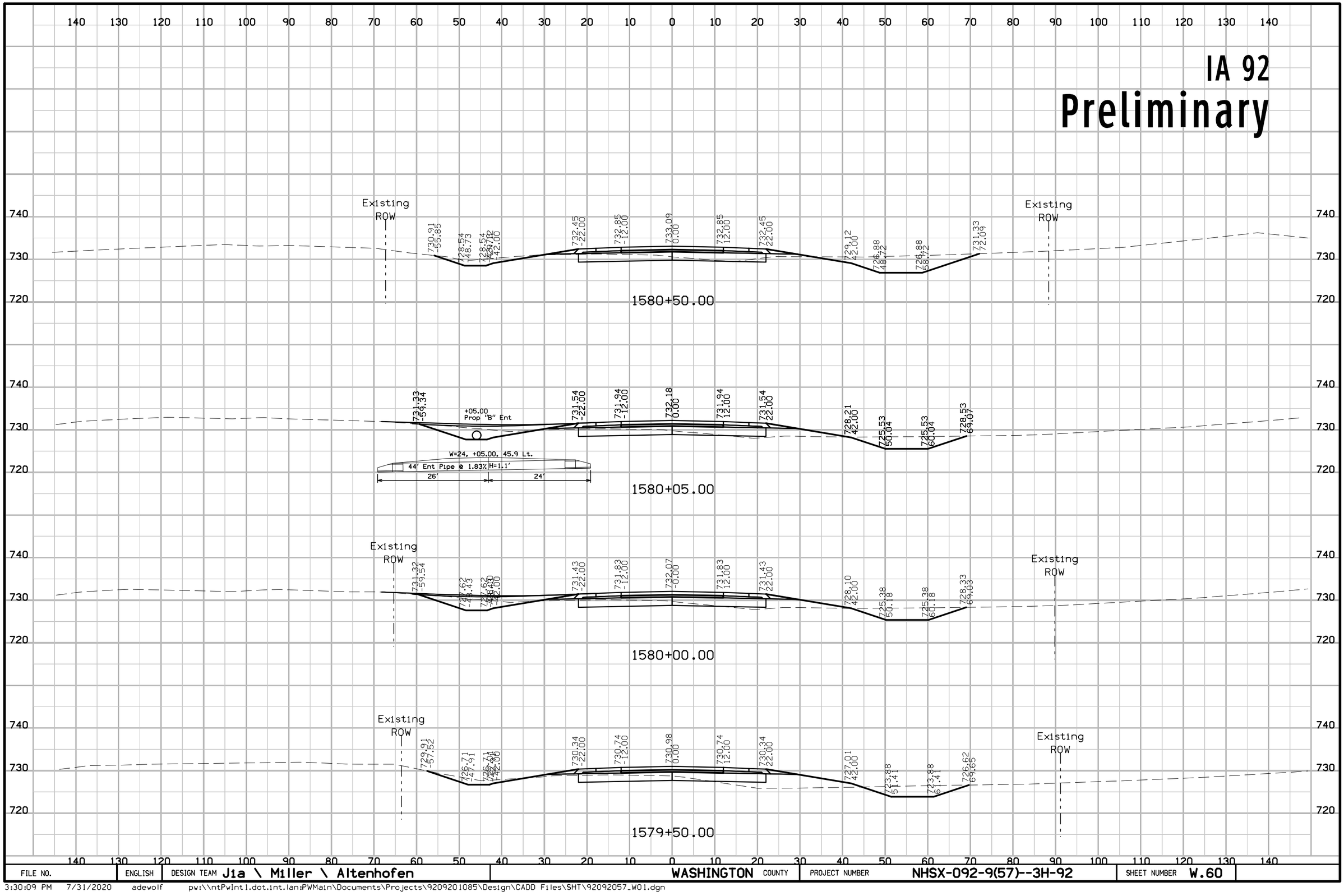

FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.60

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IA 92
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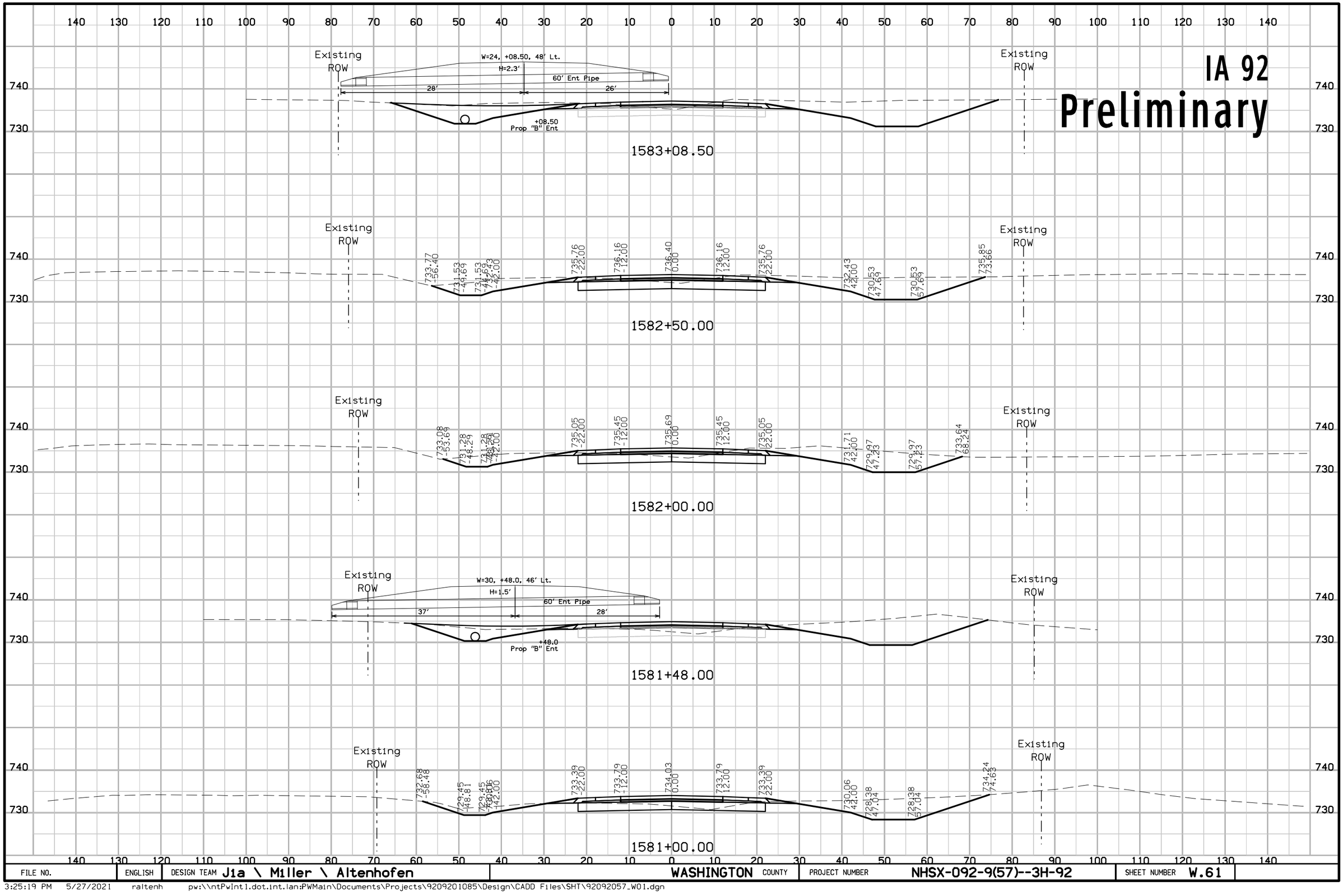

FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.61

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IA 92

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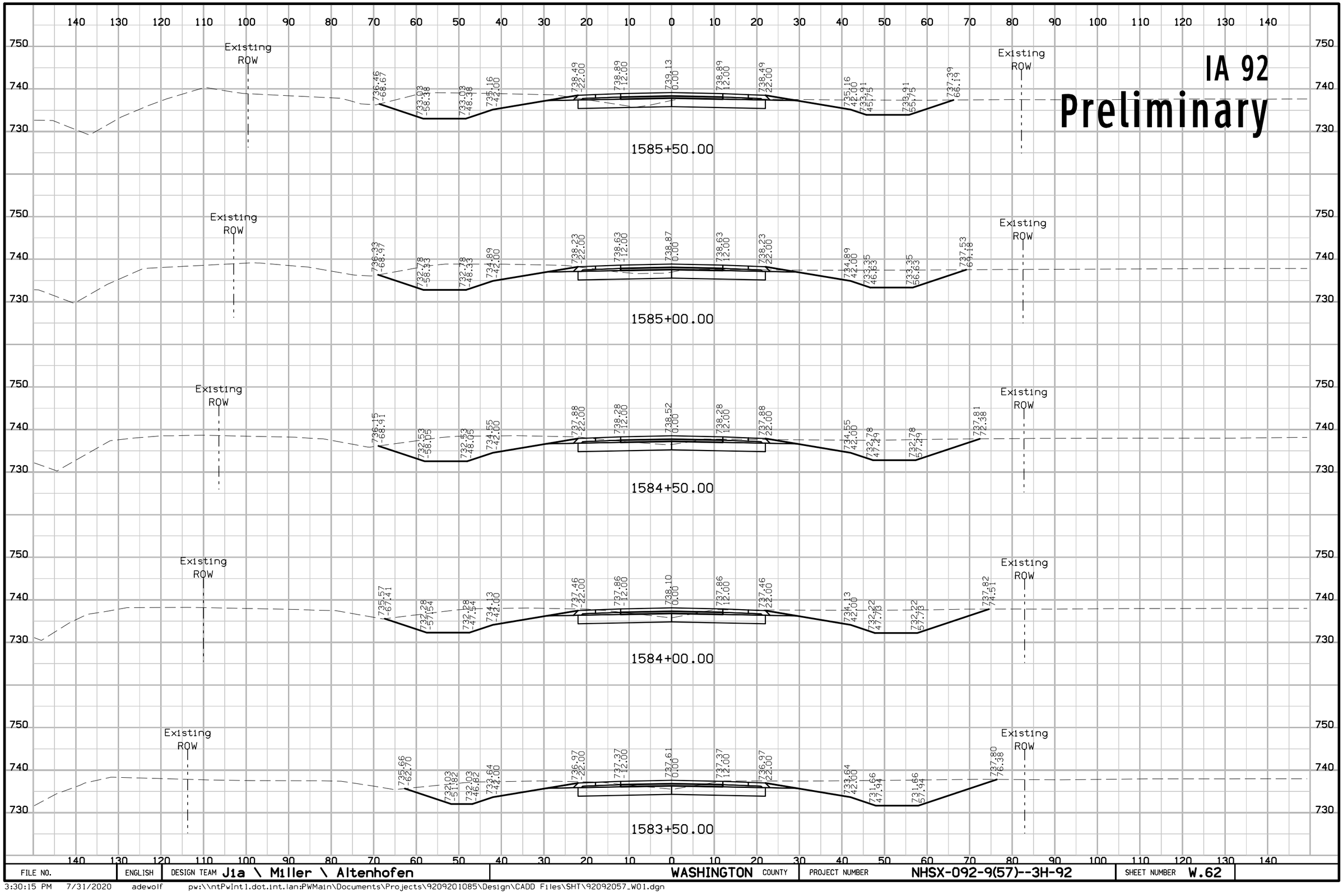

FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.62

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IA 92
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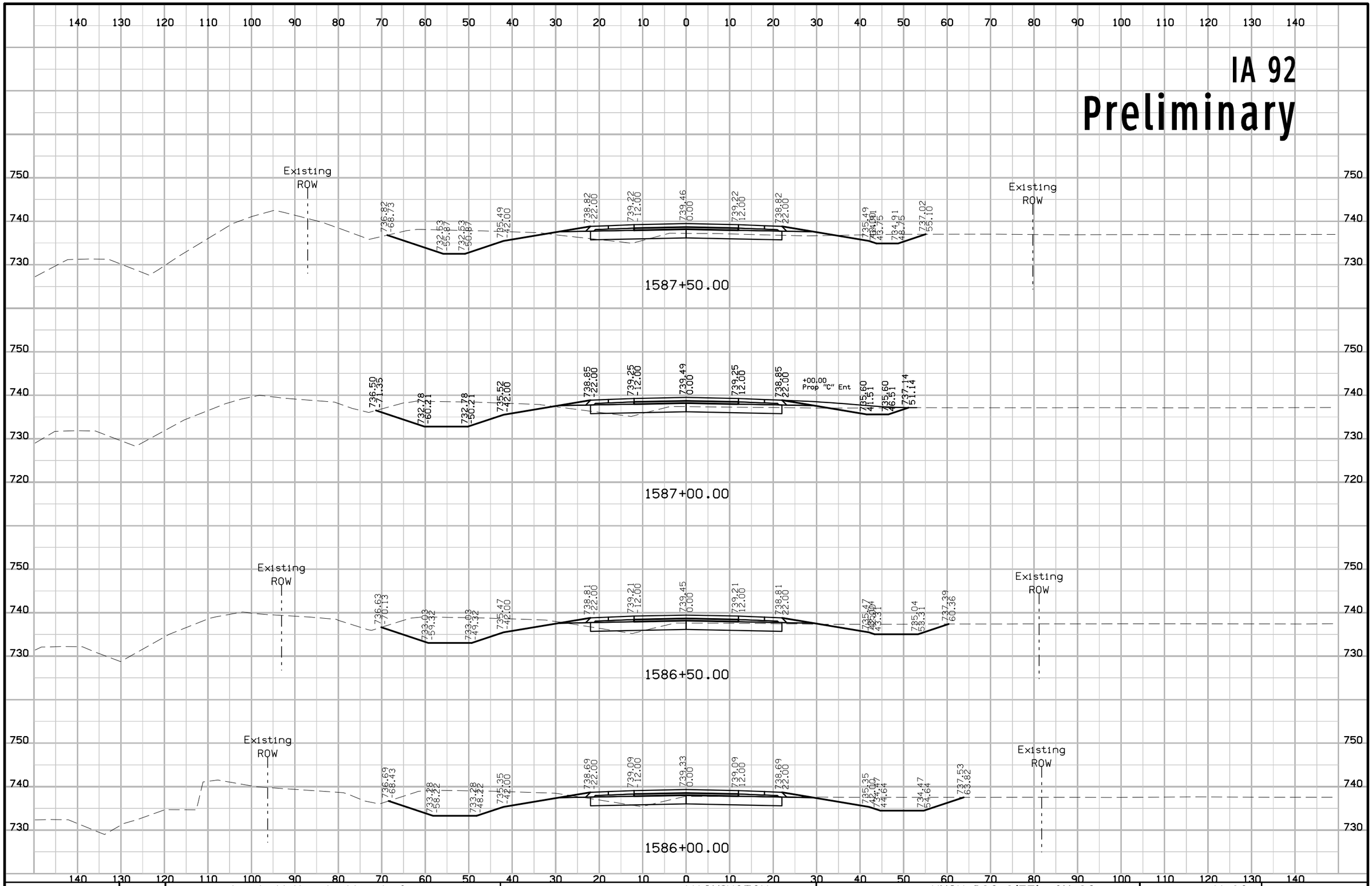

FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.63

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IA 92

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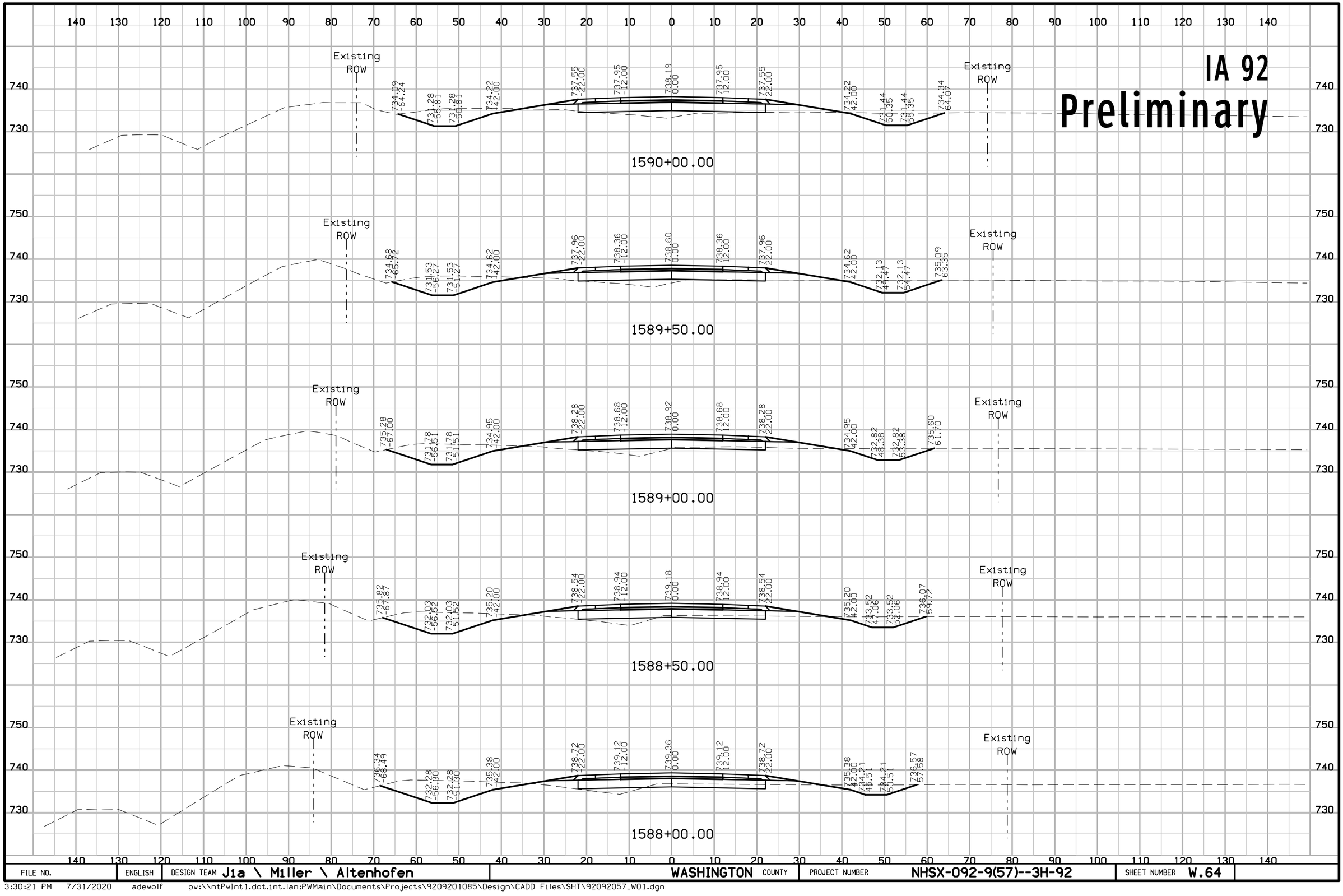

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IA 92
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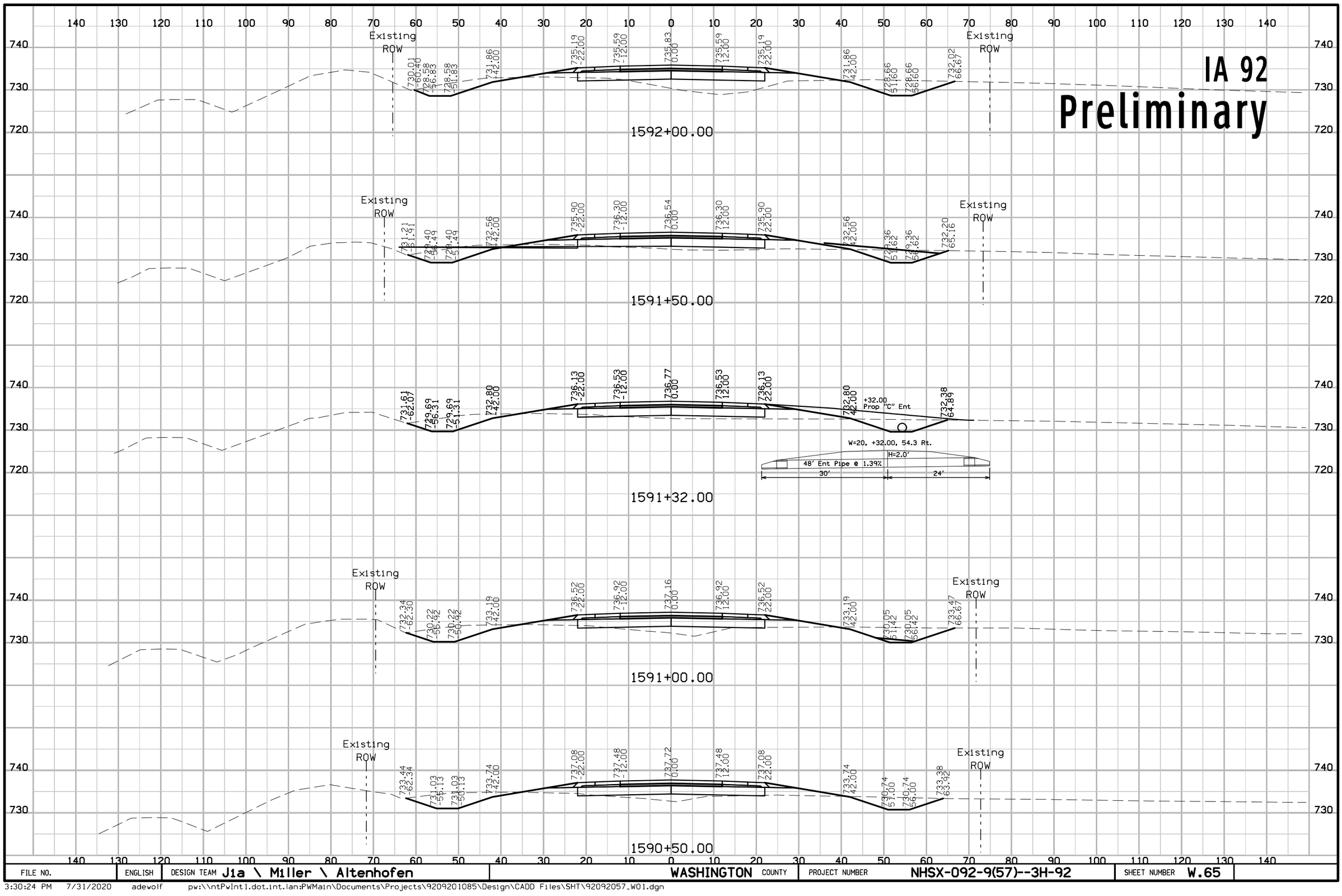

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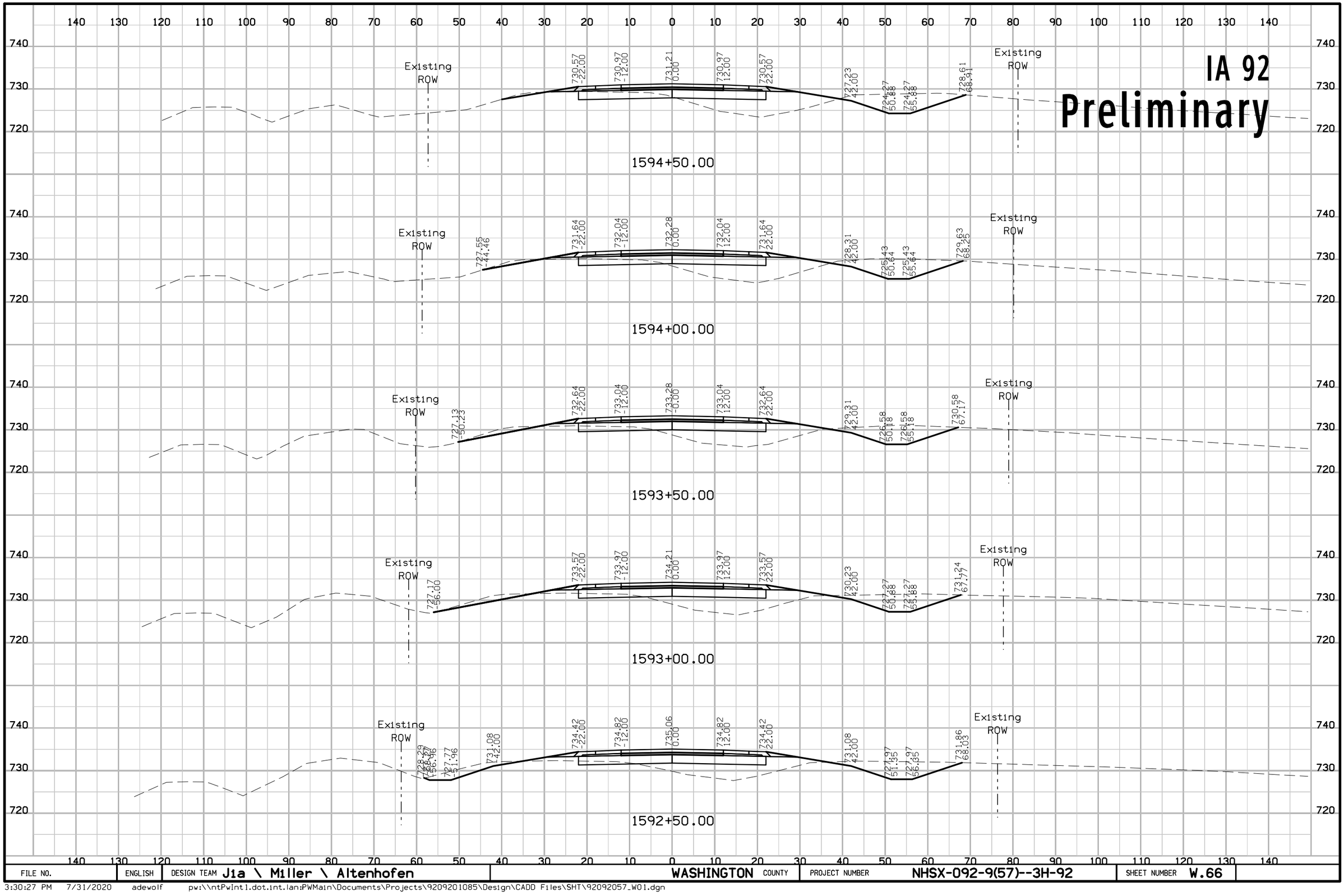
IA 92

Preliminary



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.66

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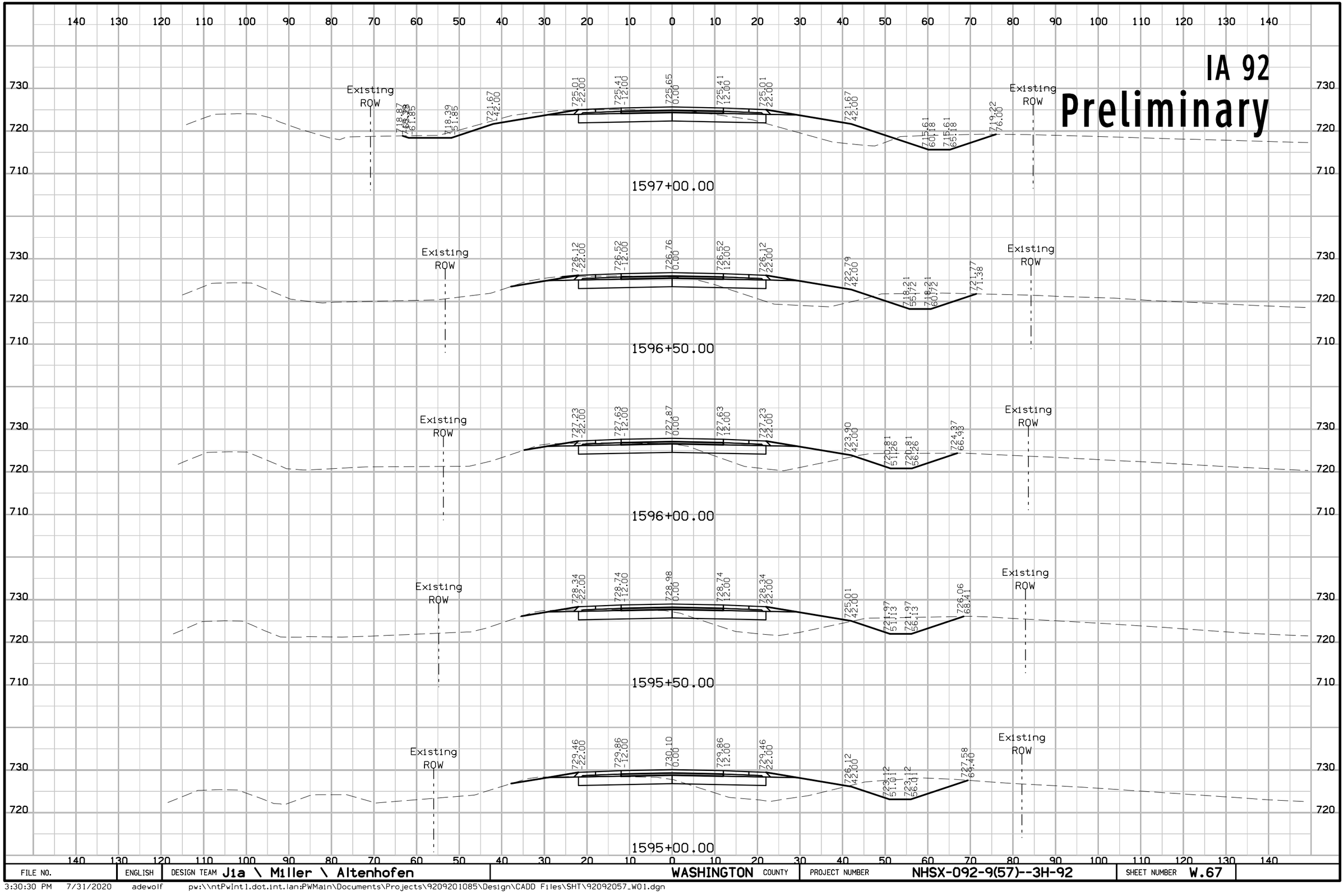
IA 92
Preliminary



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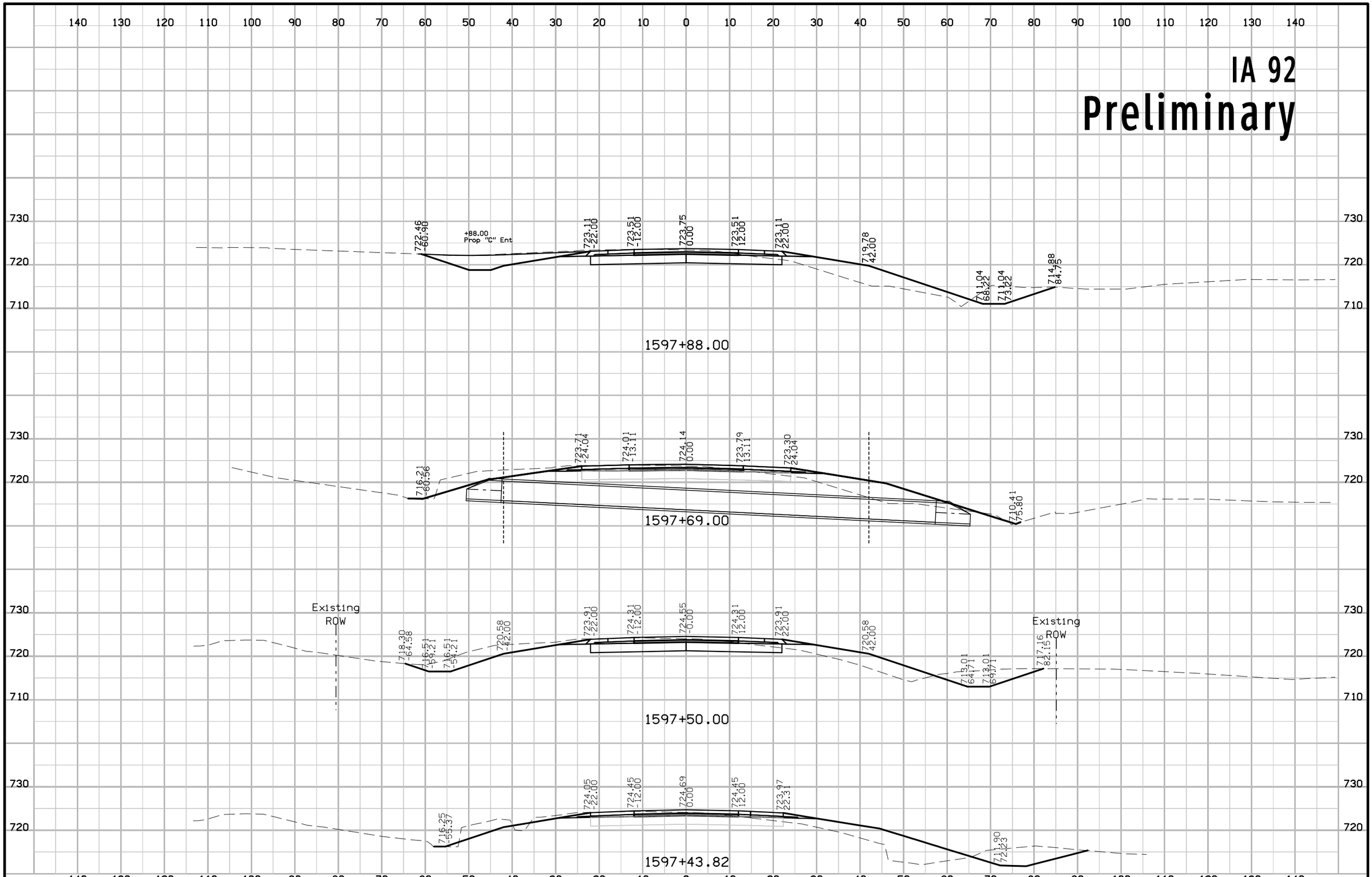
IA 92
Preliminary



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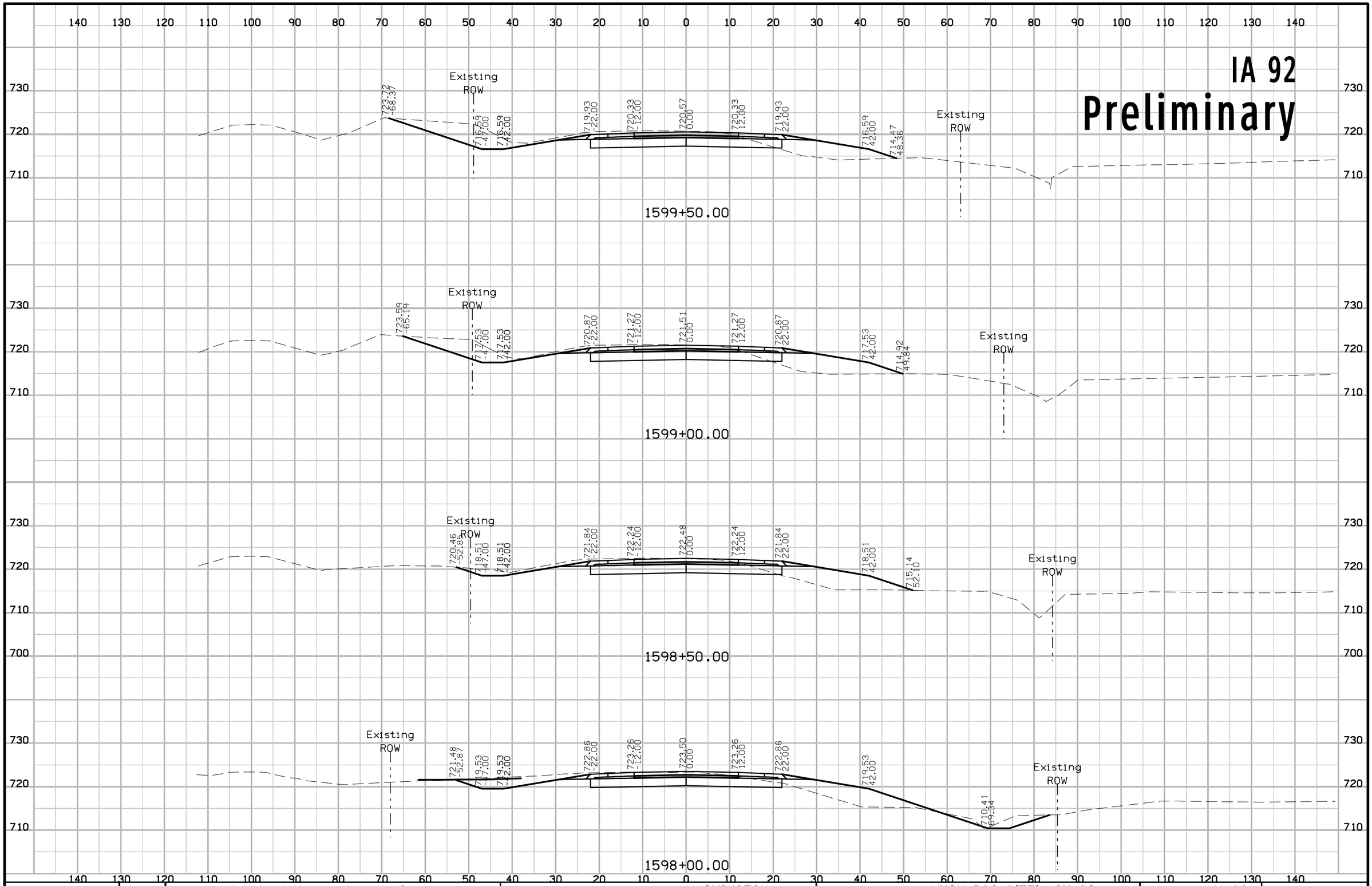
IA 92
Preliminary



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IA 92
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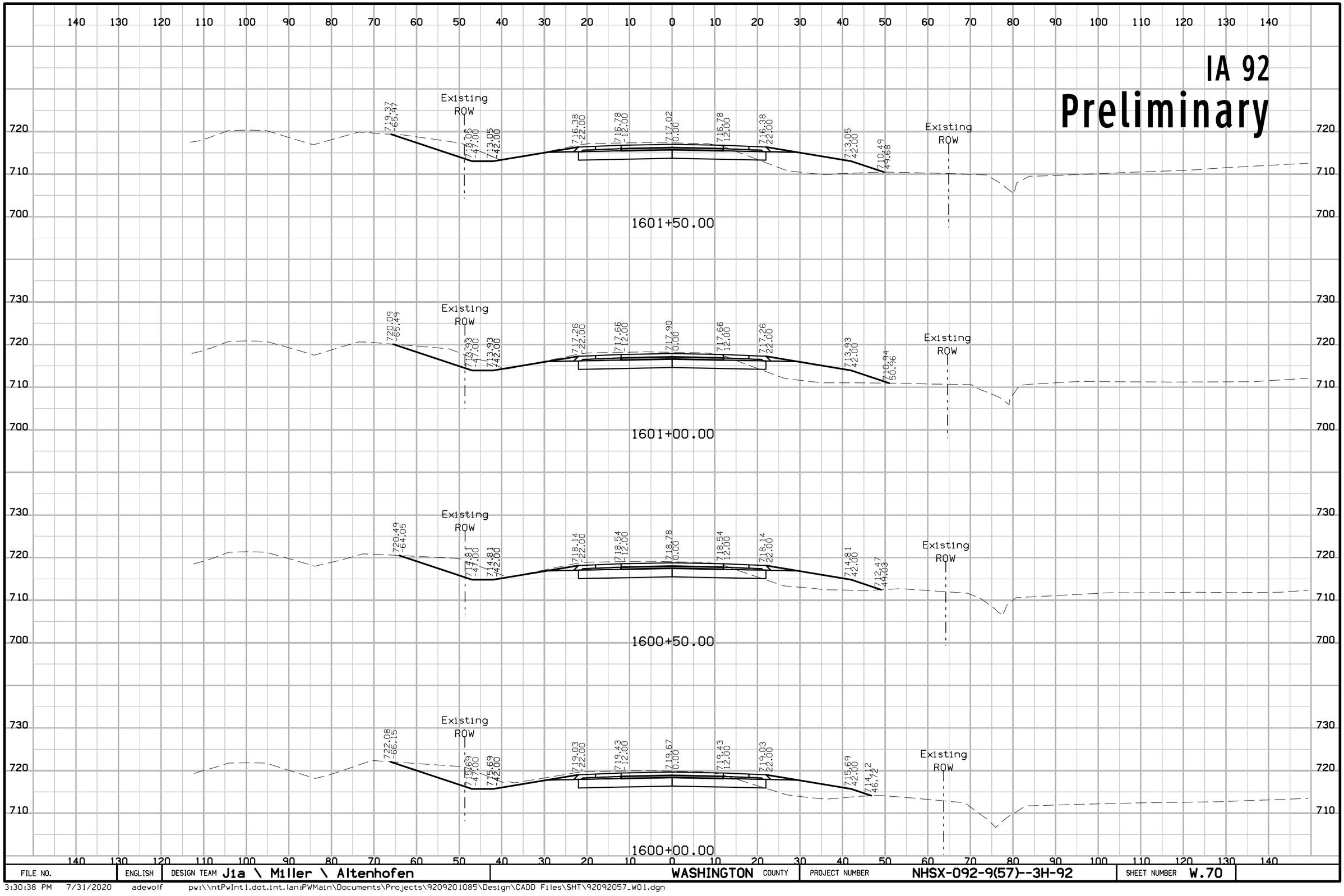

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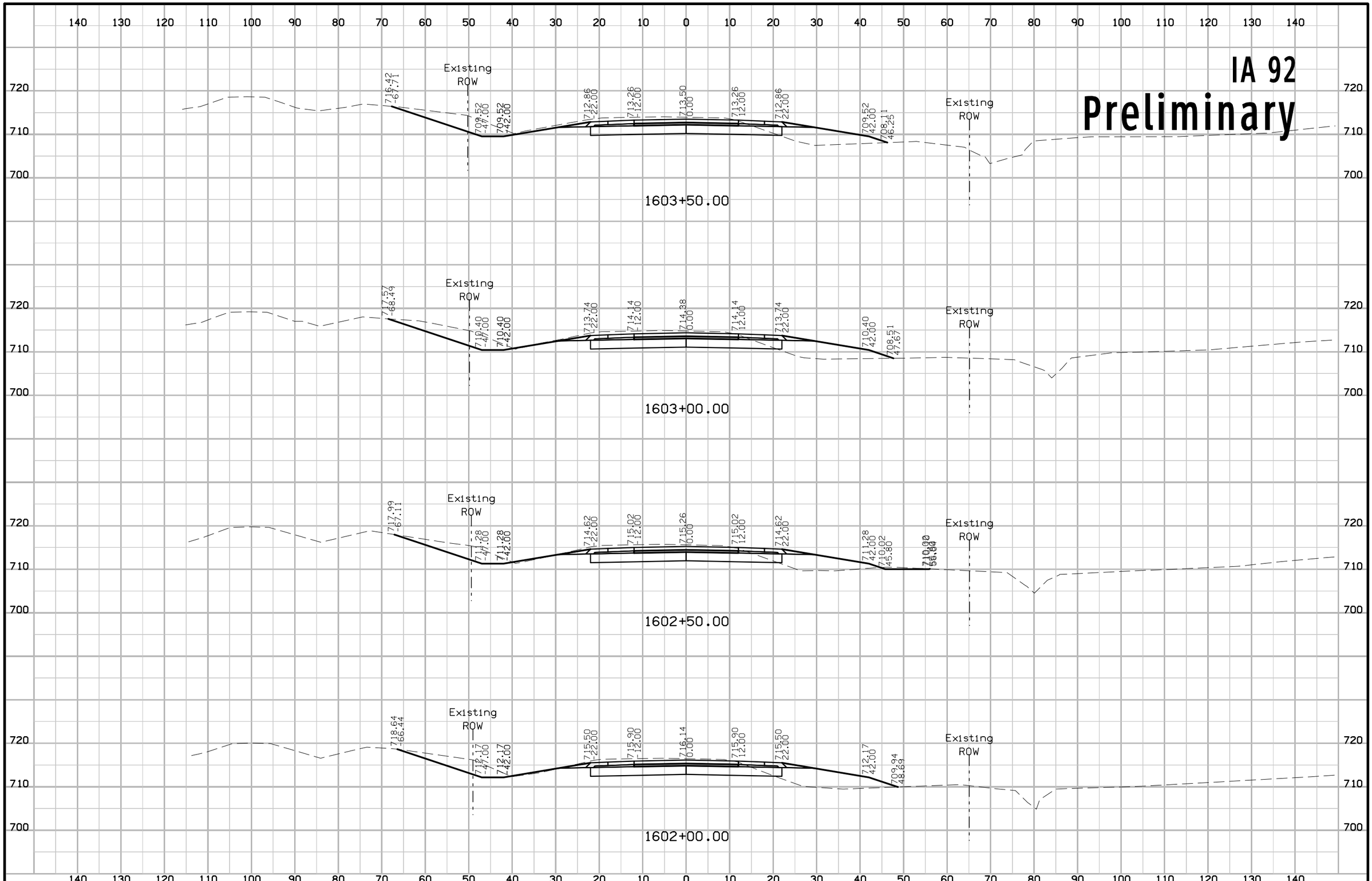
IA 92
Preliminary



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IA 92

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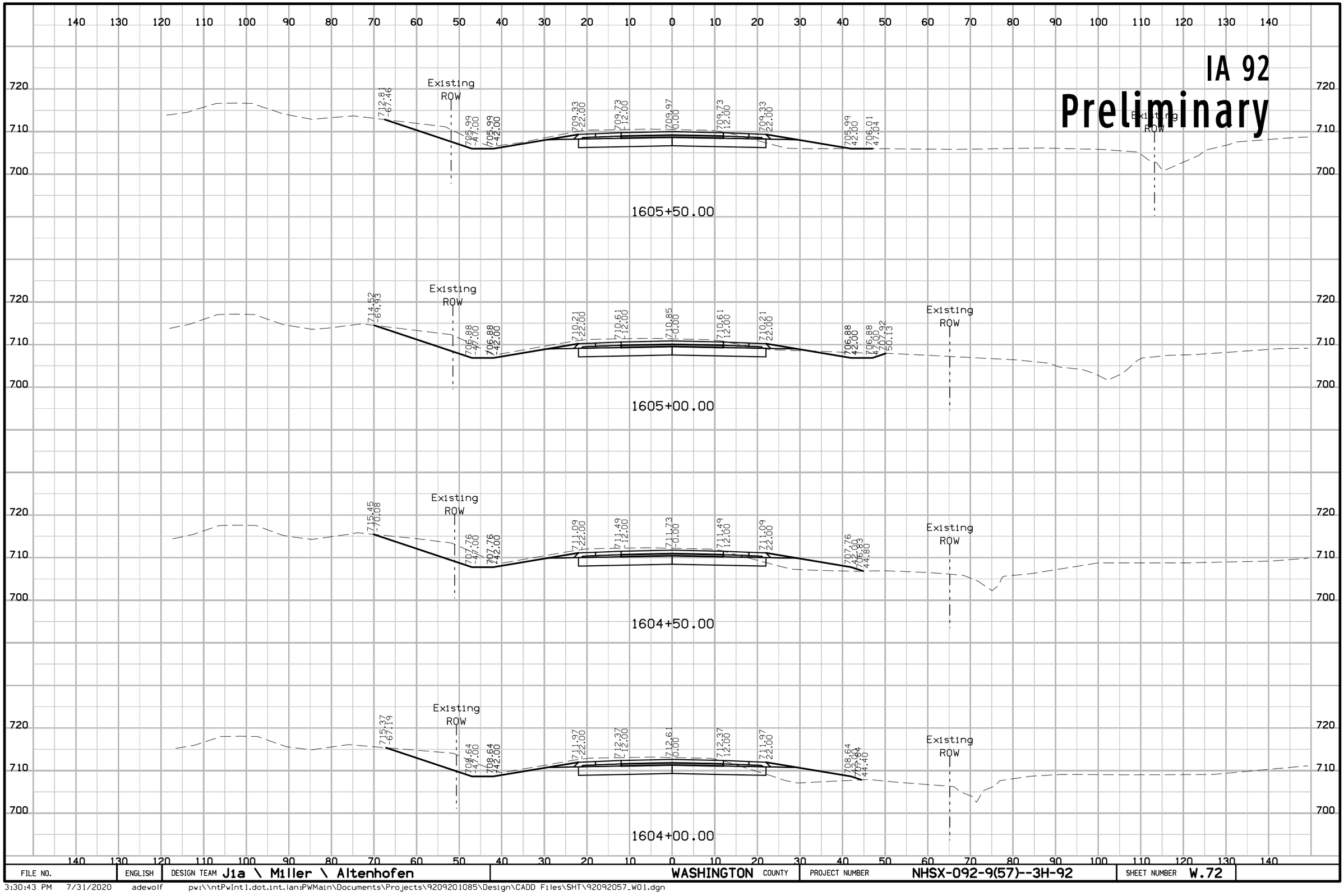

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IA 92

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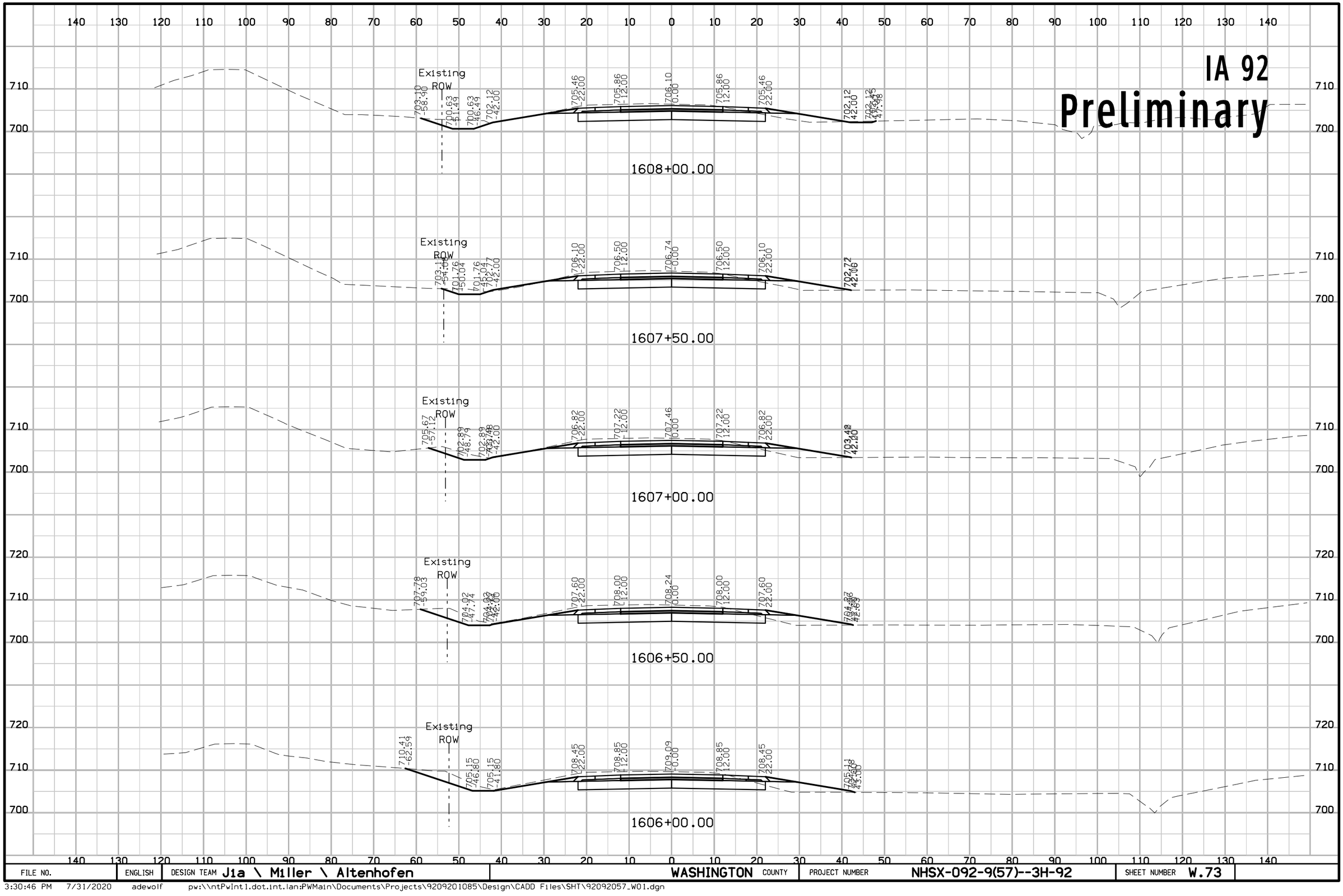

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IA 92
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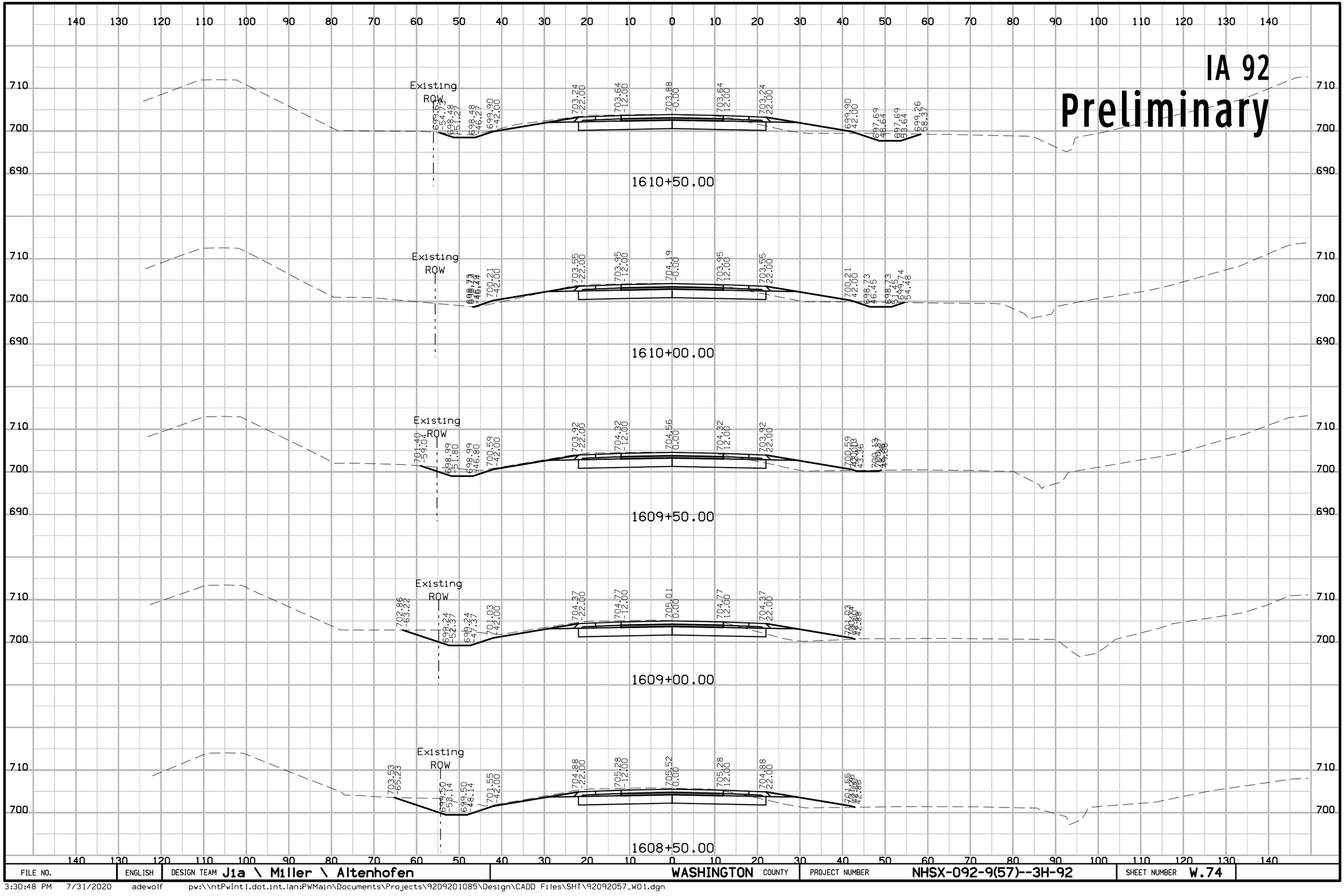

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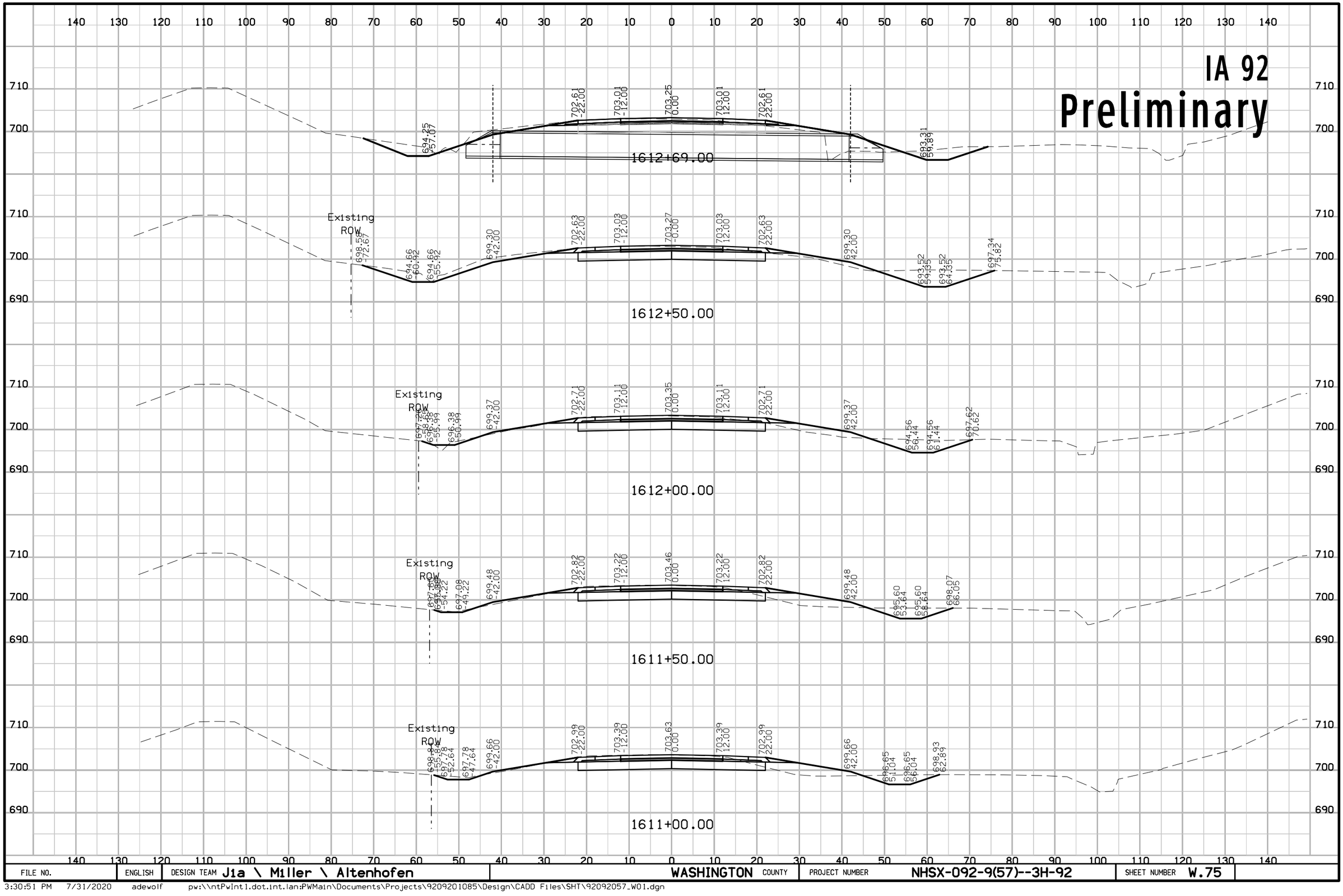
IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.75

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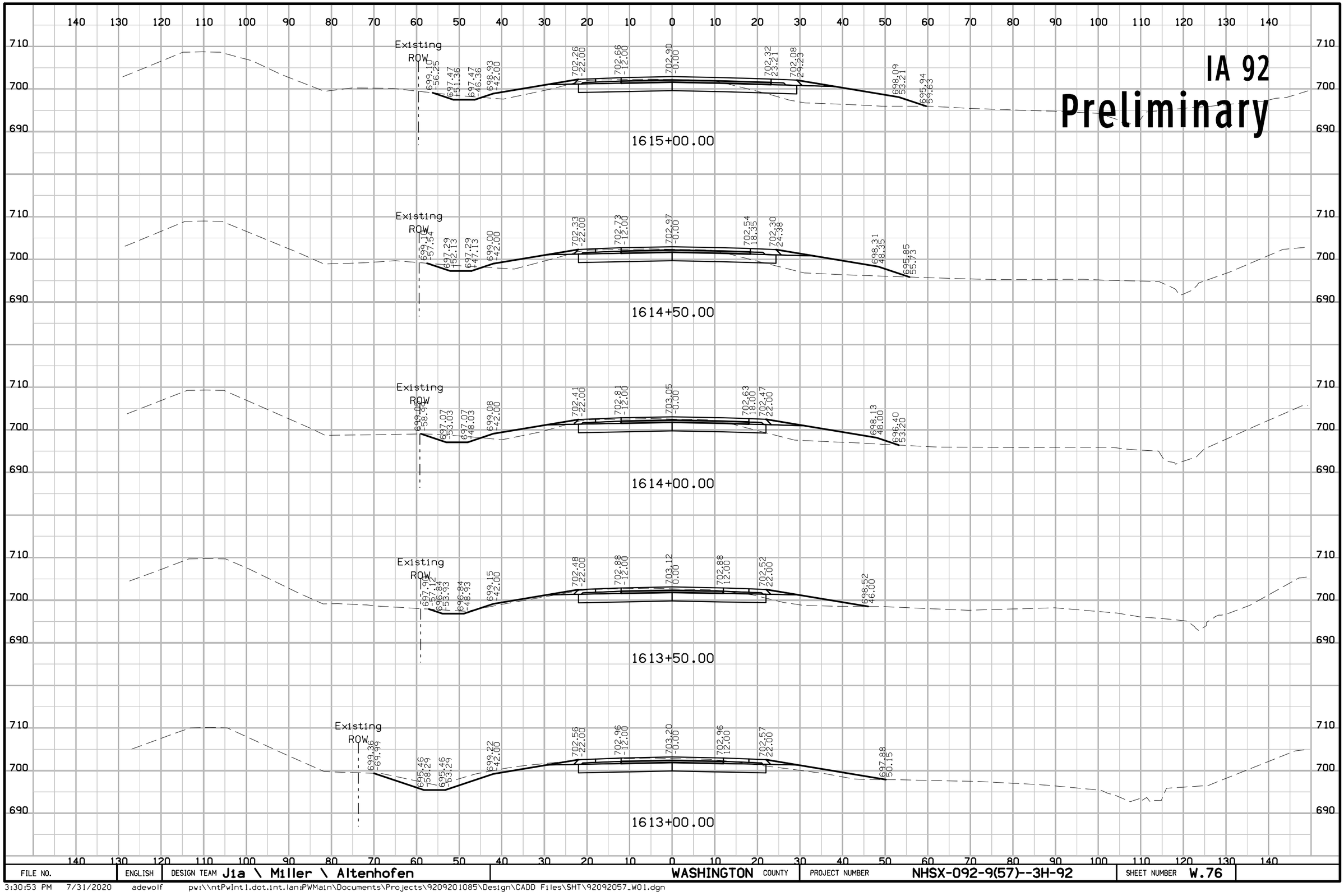
IA 92
Preliminary



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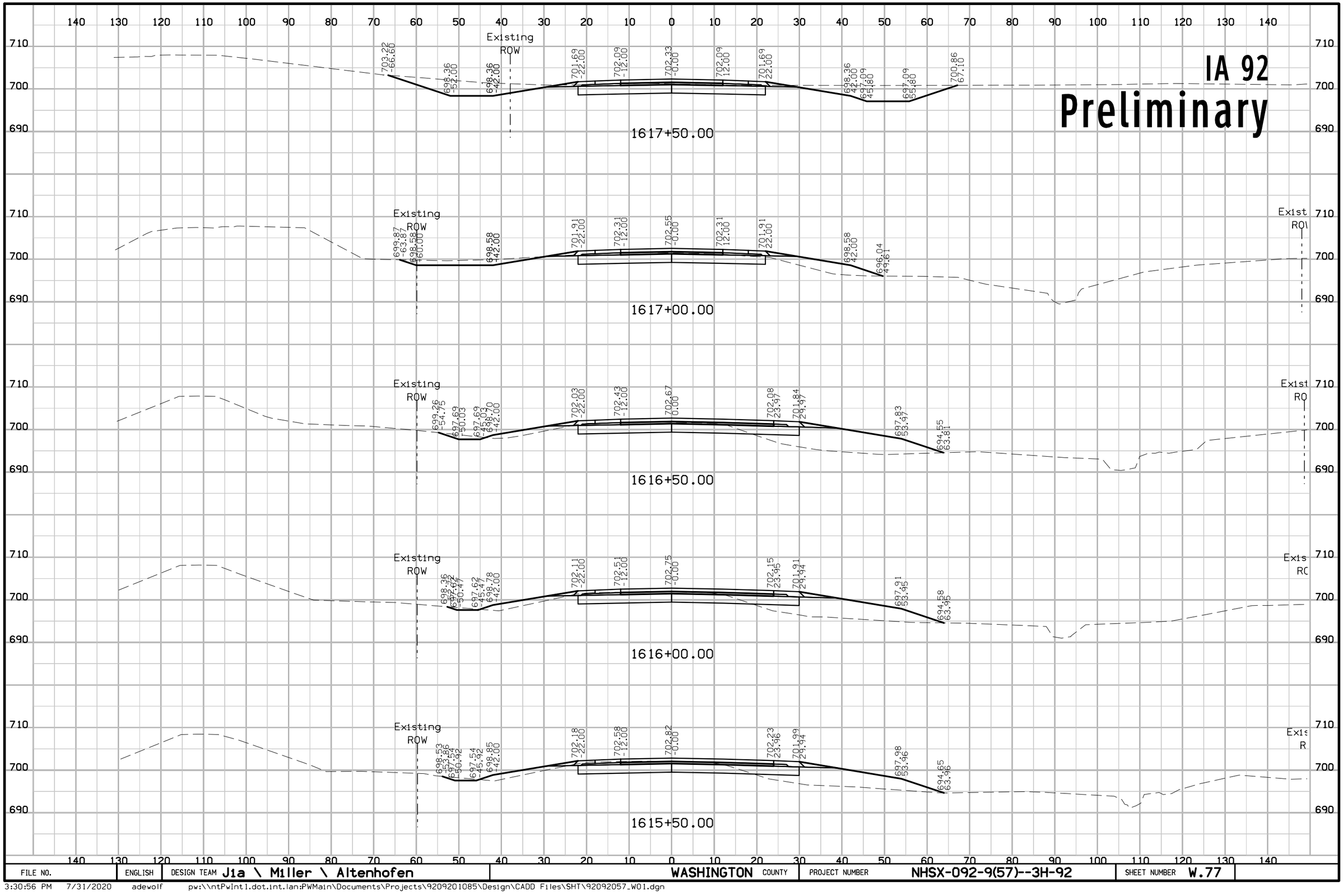
IA 92
Preliminary



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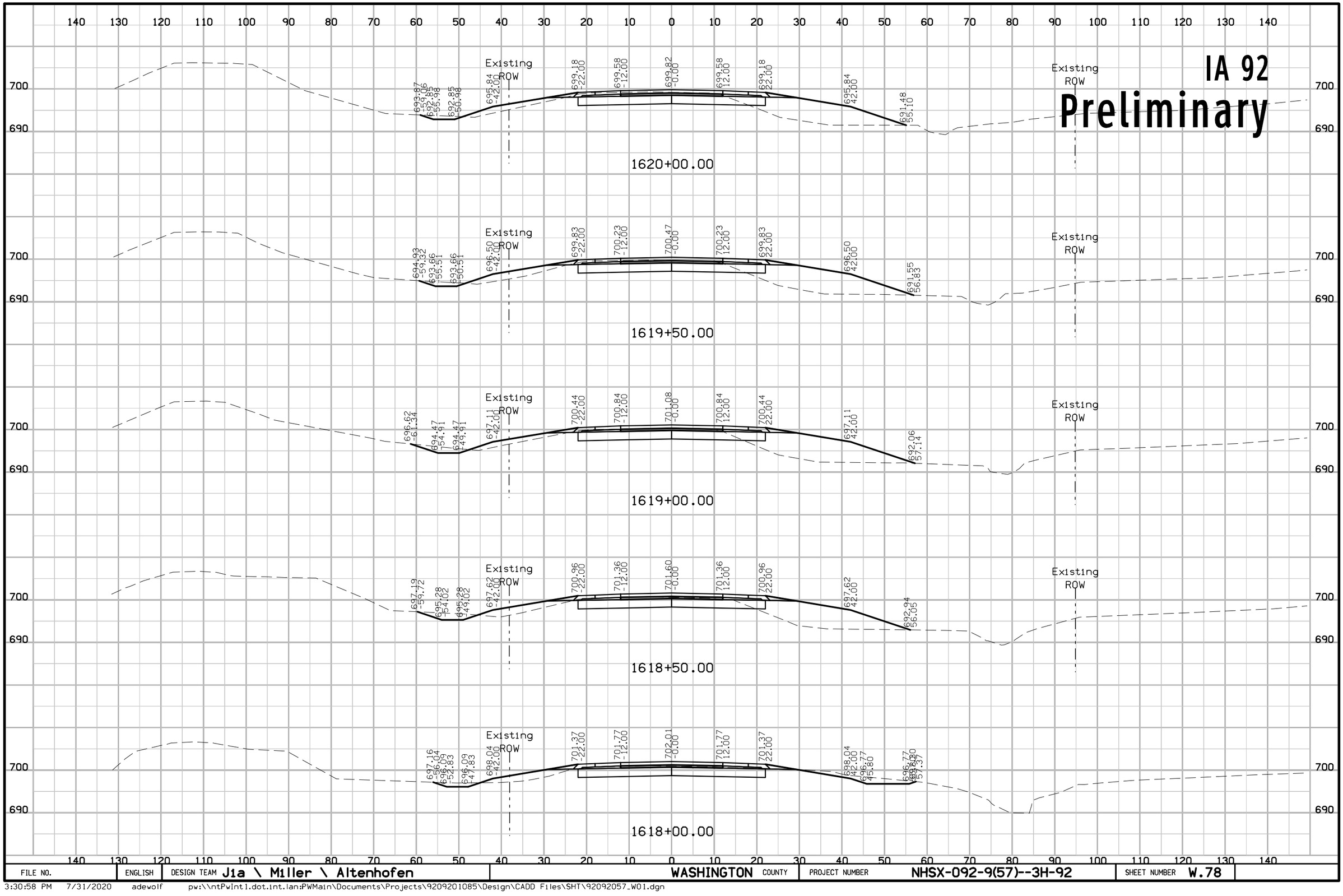

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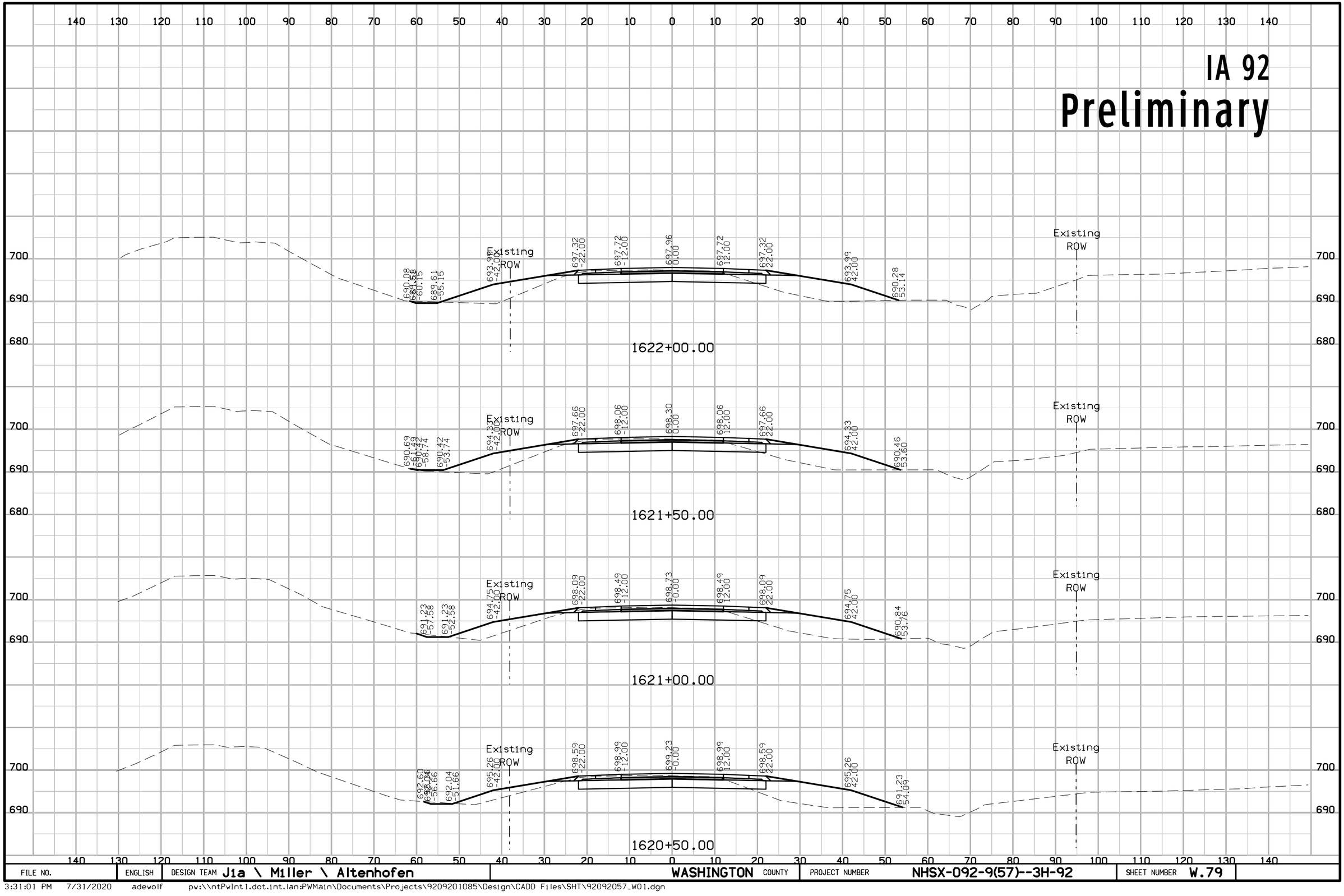
IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM J1a \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.79

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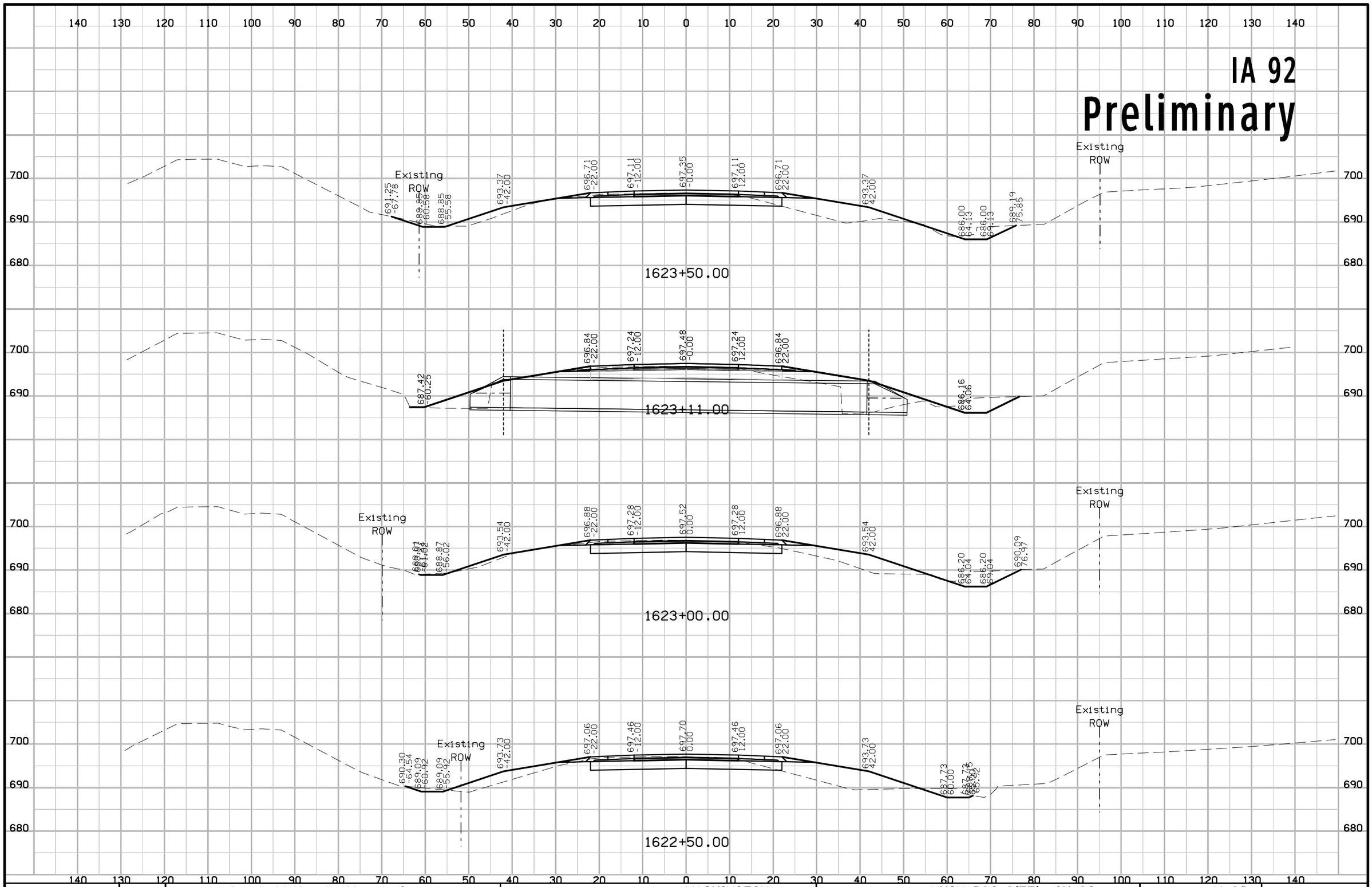
IA 92
Preliminary



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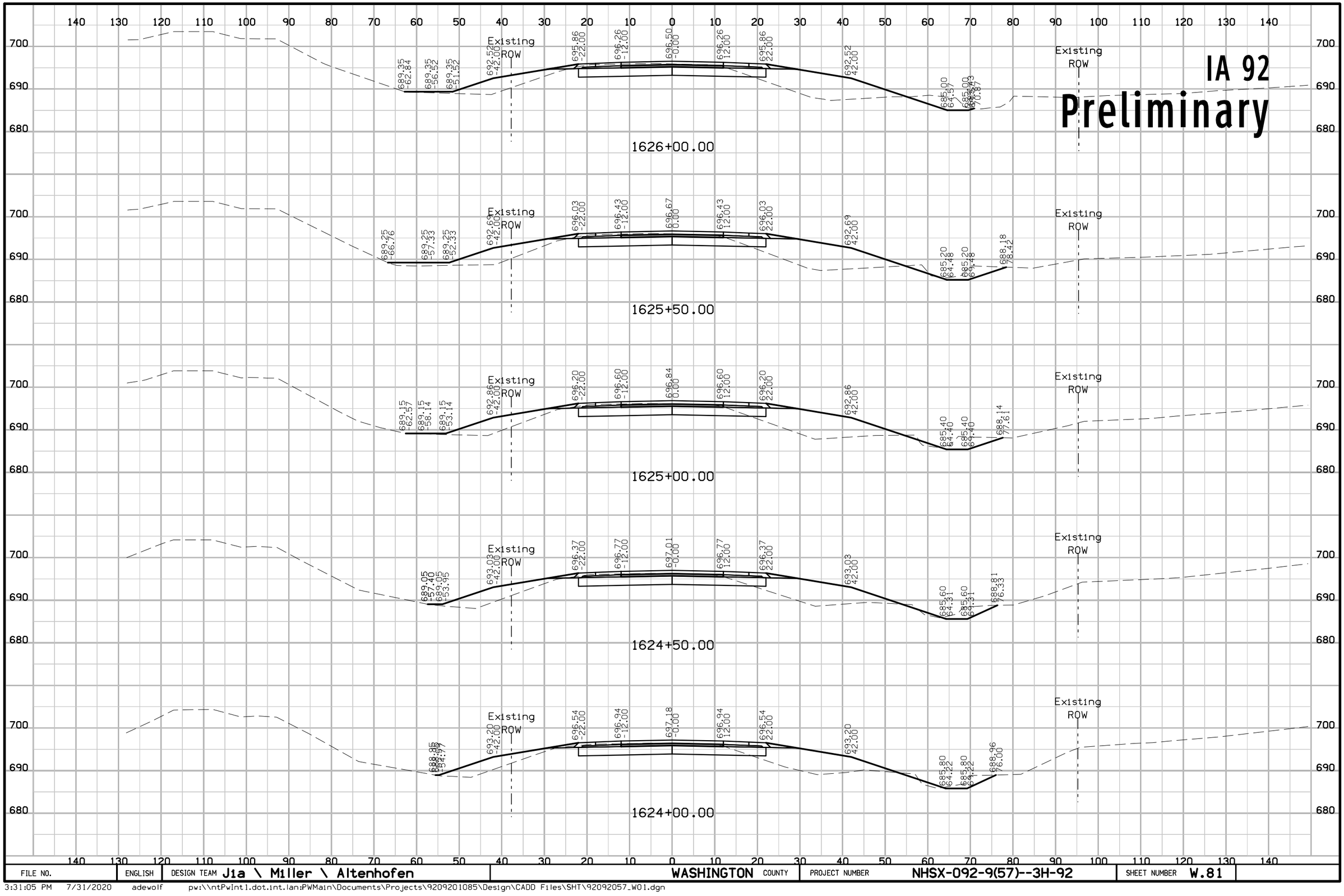
IA 92

Preliminary



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.81

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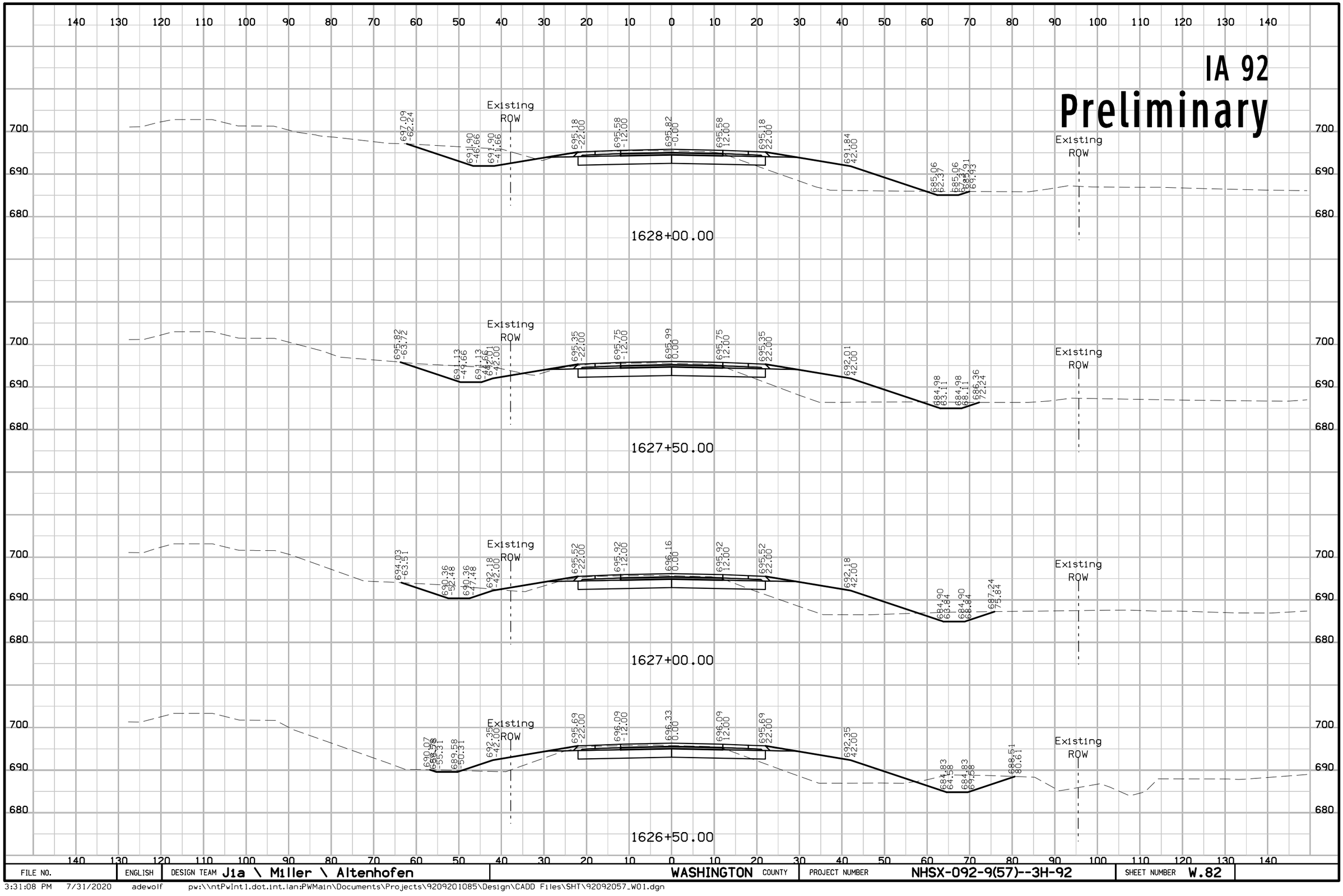
IA 92

Preliminary



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IA 92

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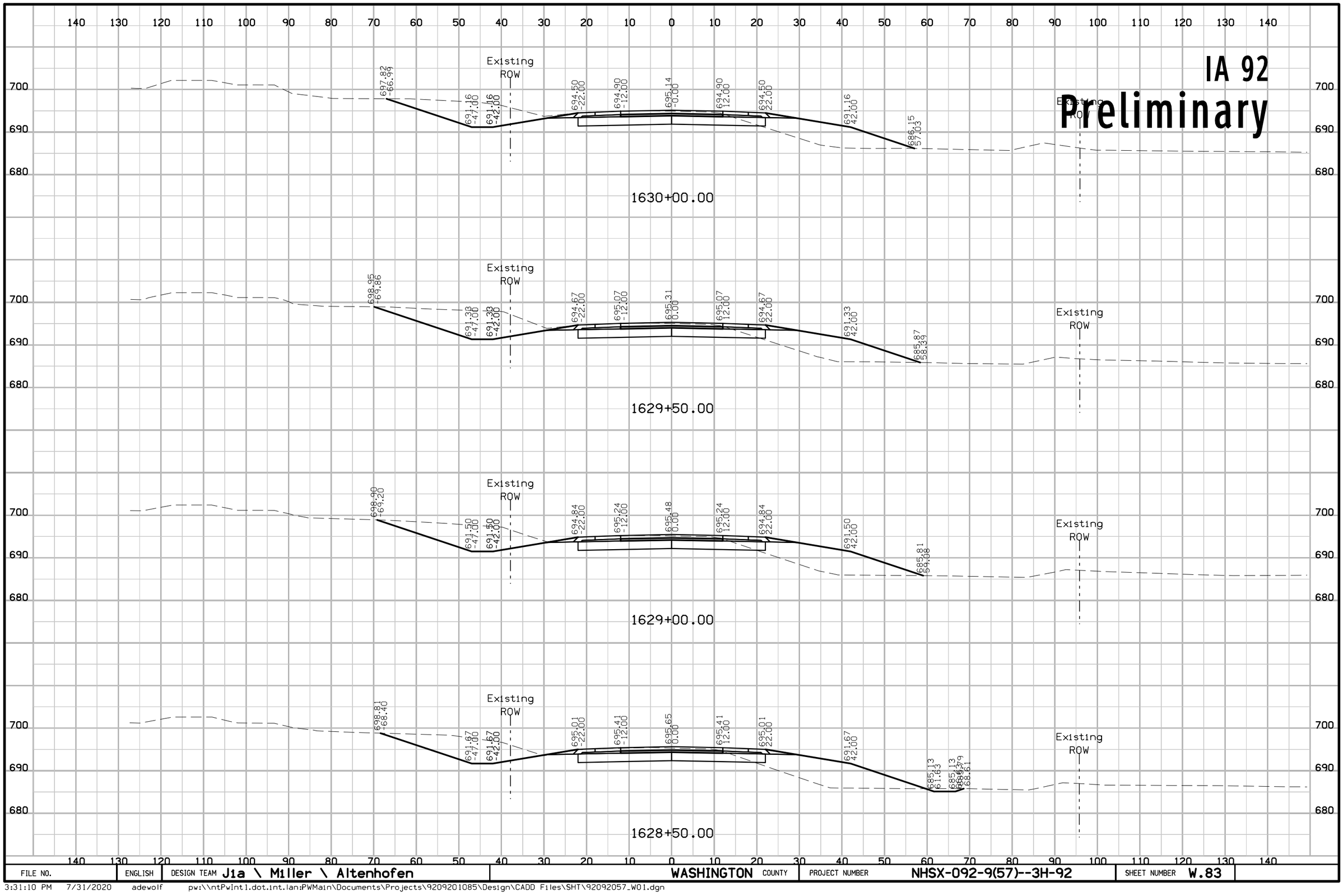

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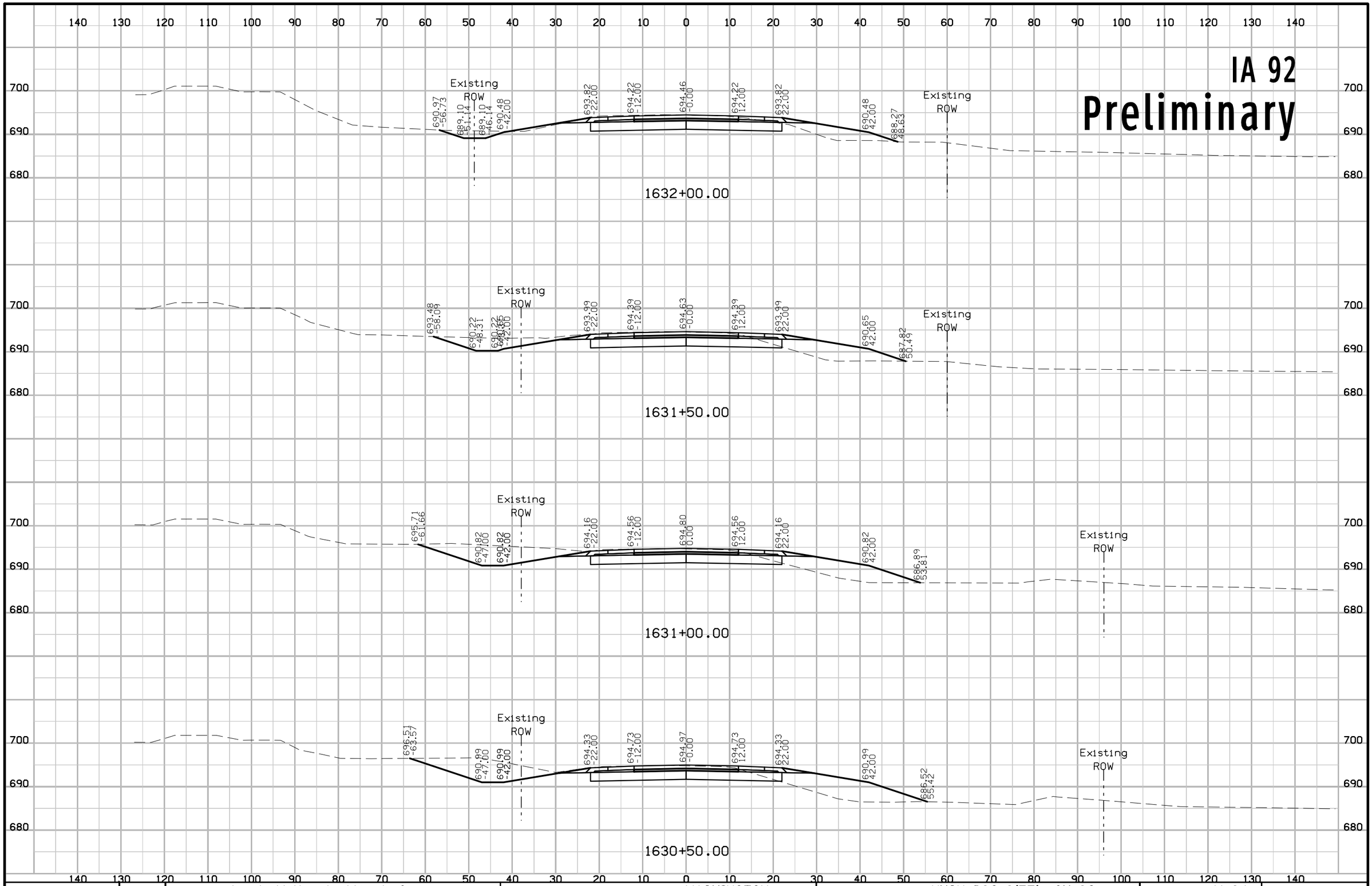
IA 92
Preliminary



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IA 92
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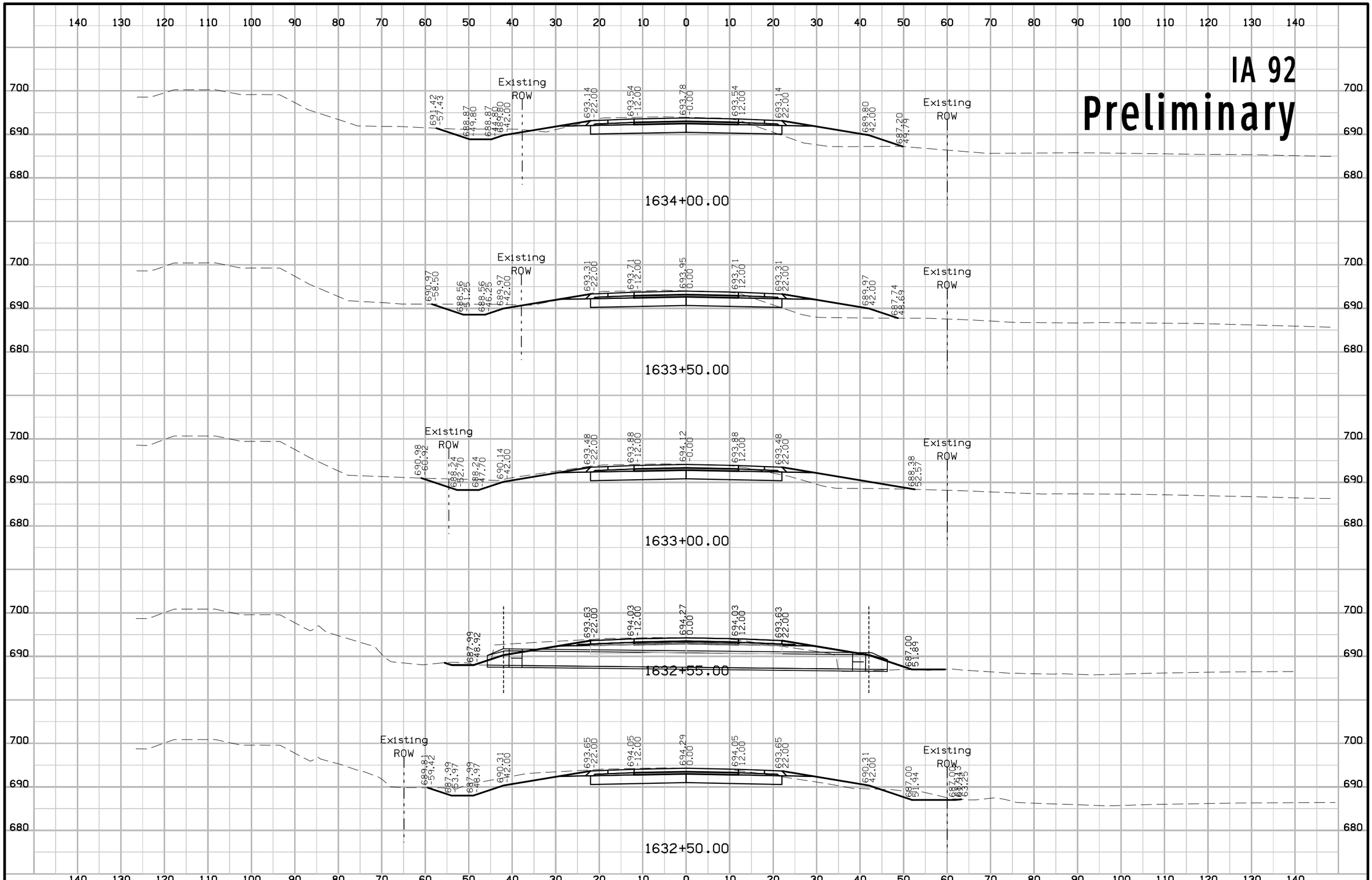

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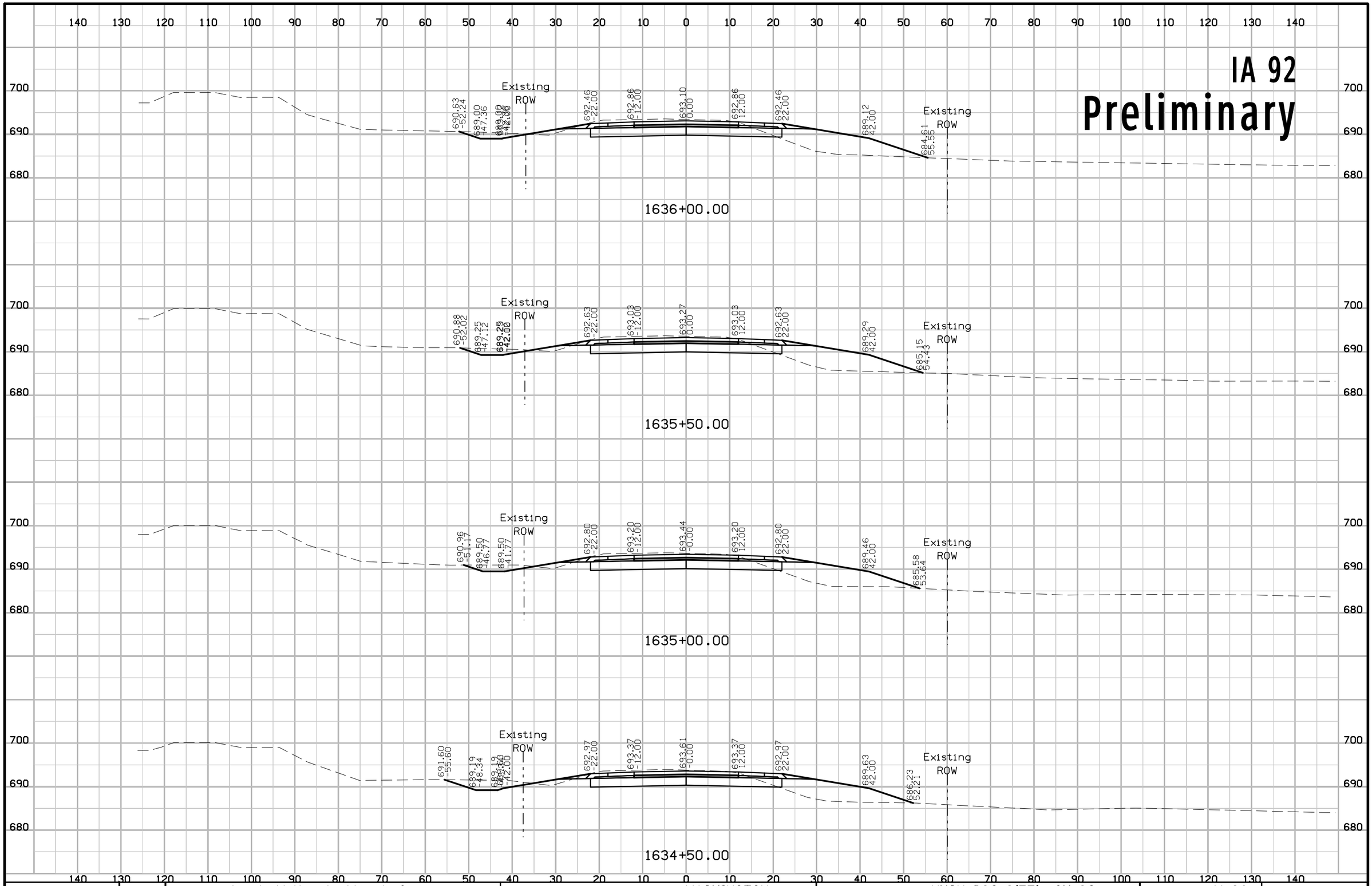

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IA 92
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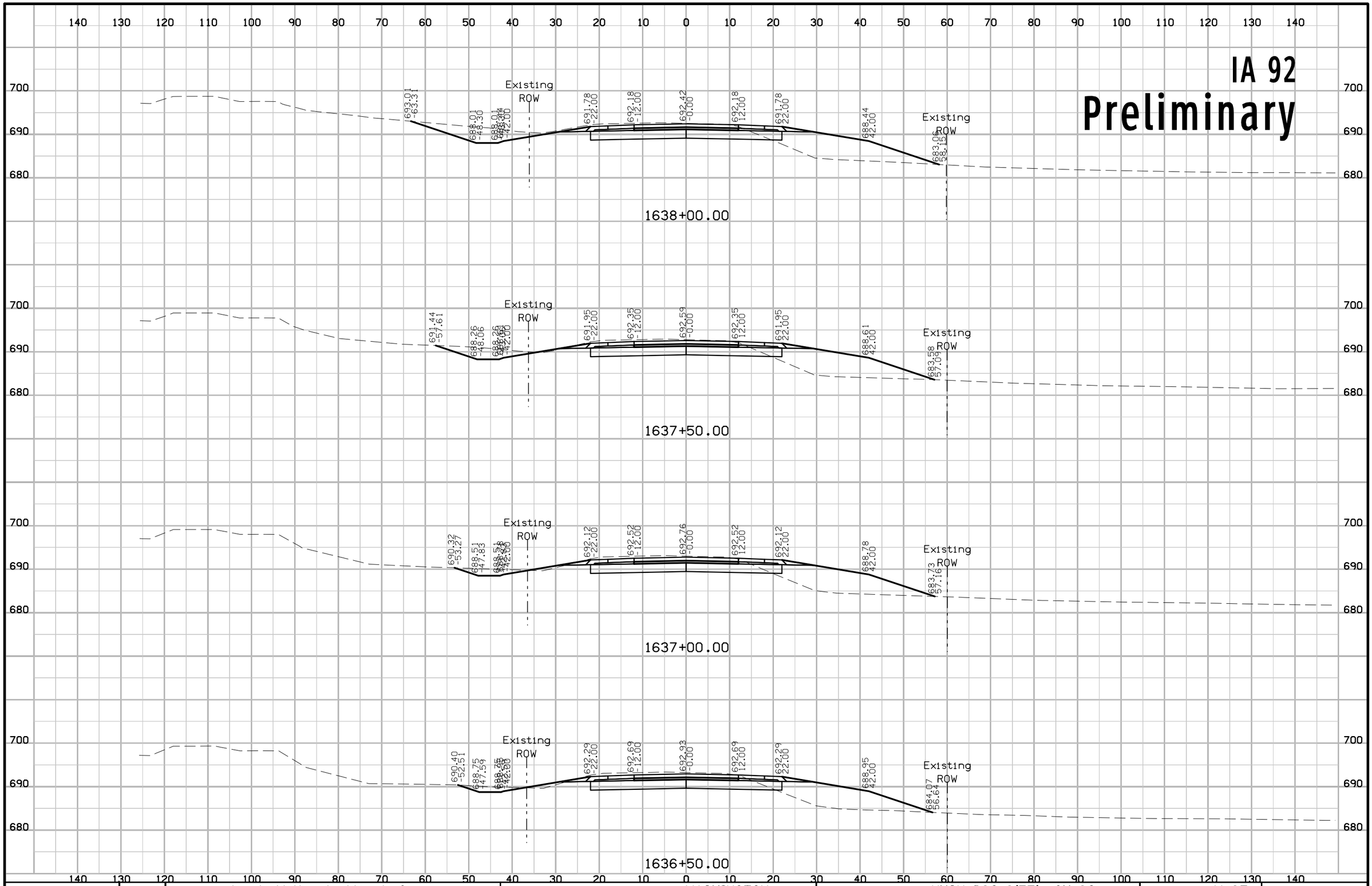

FILE NO.	ENGLISH	DESIGN TEAM J1a \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.87

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IA 92

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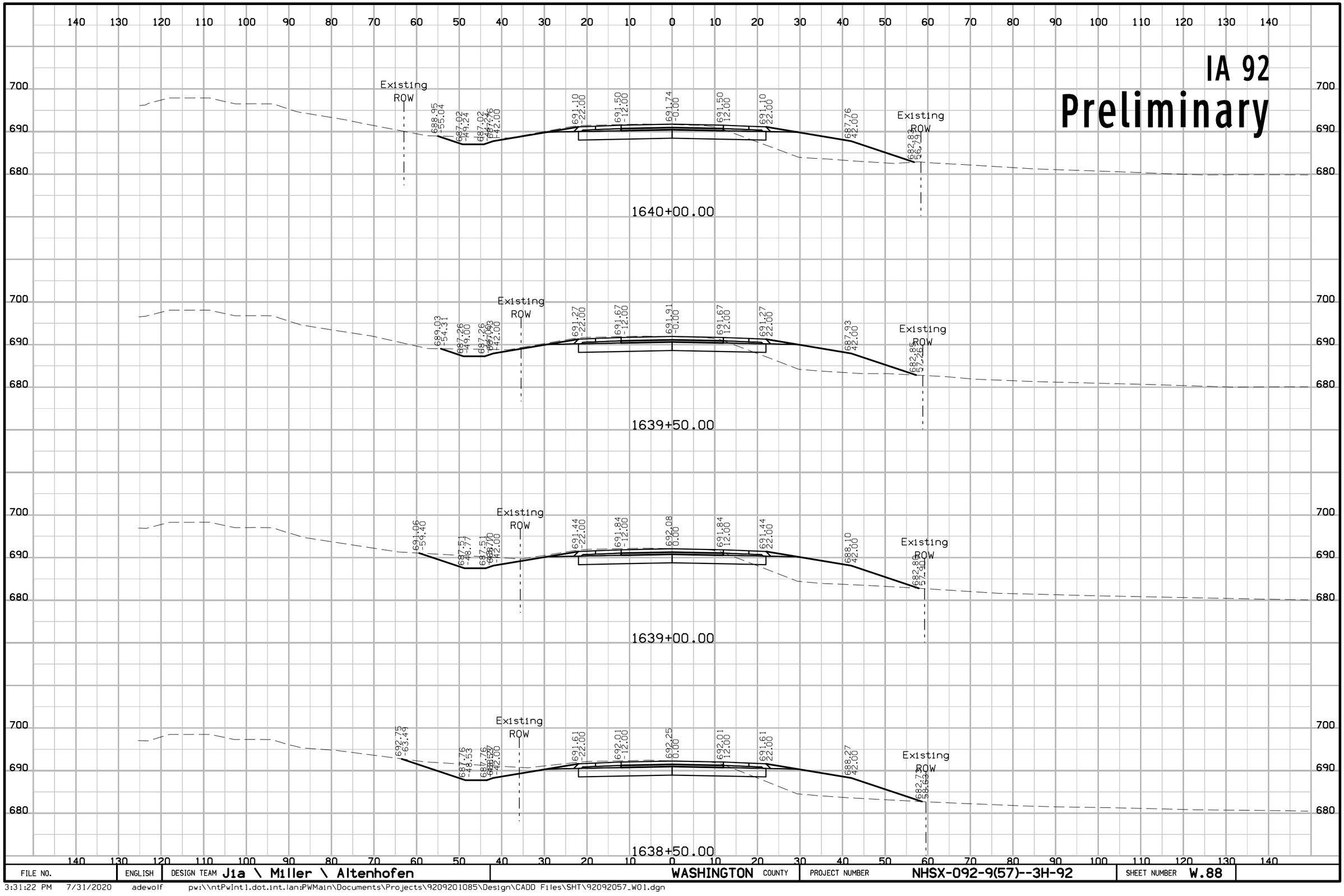

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IA 92
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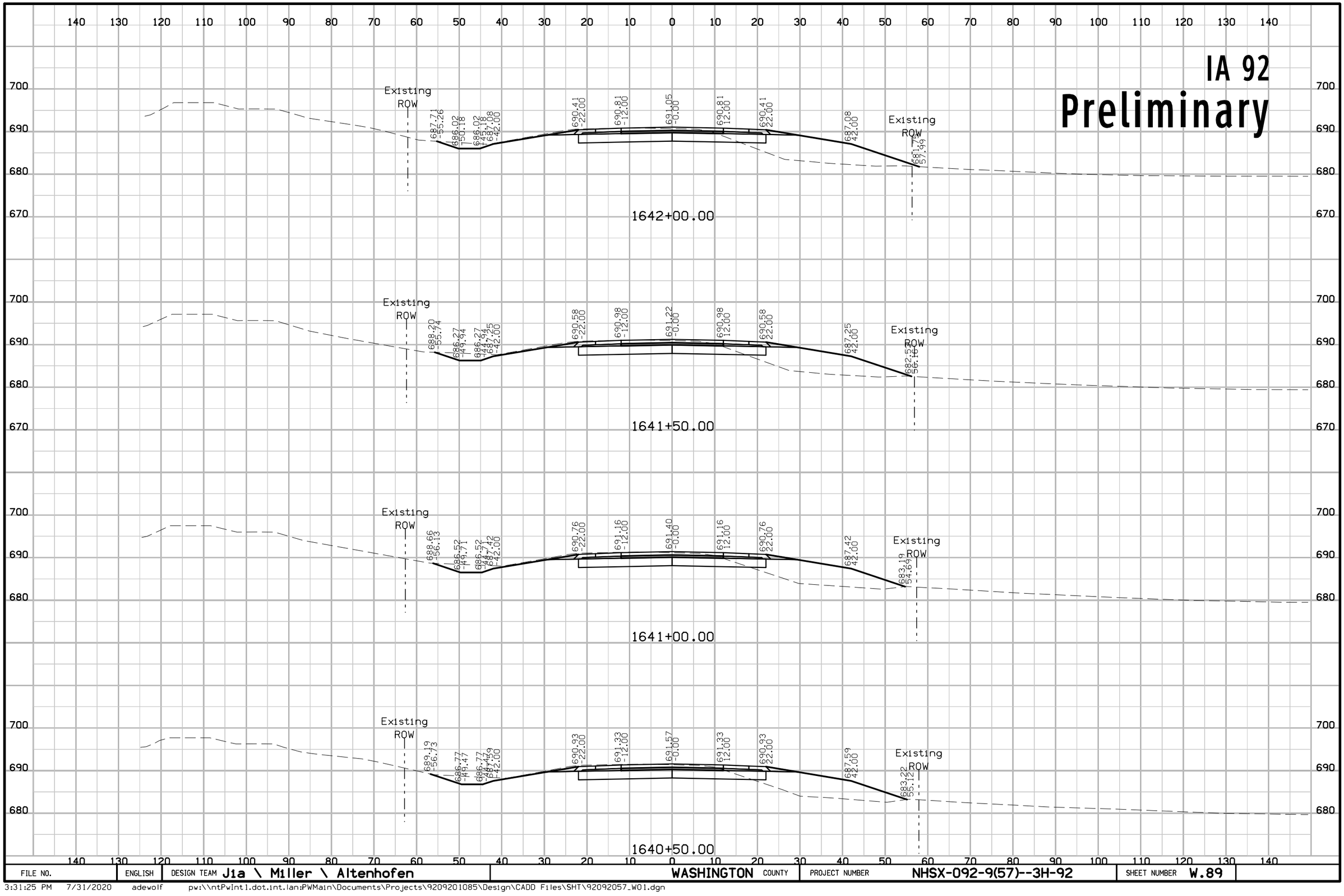

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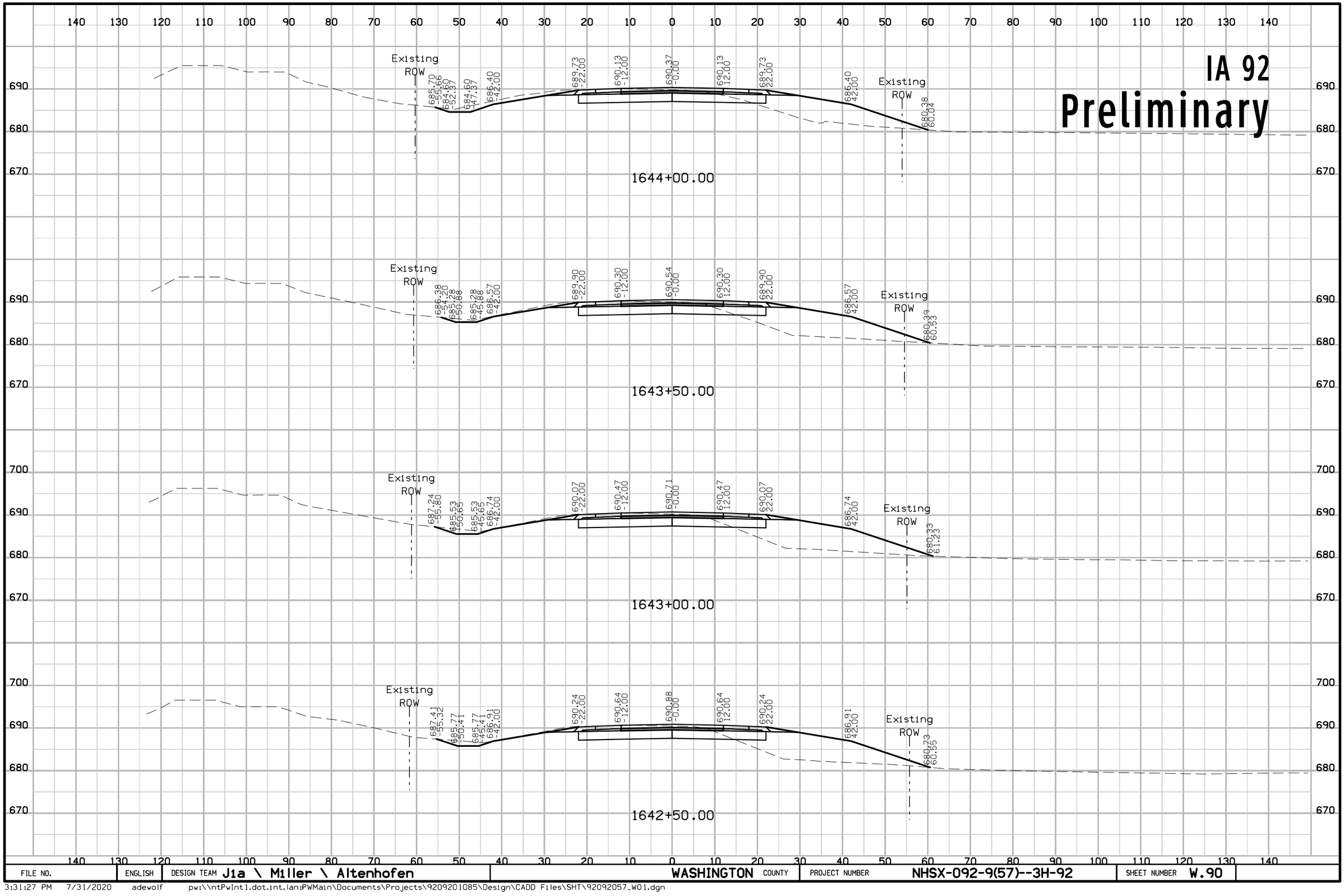

FILE NO.	ENGLISH	DESIGN TEAM J1a \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.90

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IA 92
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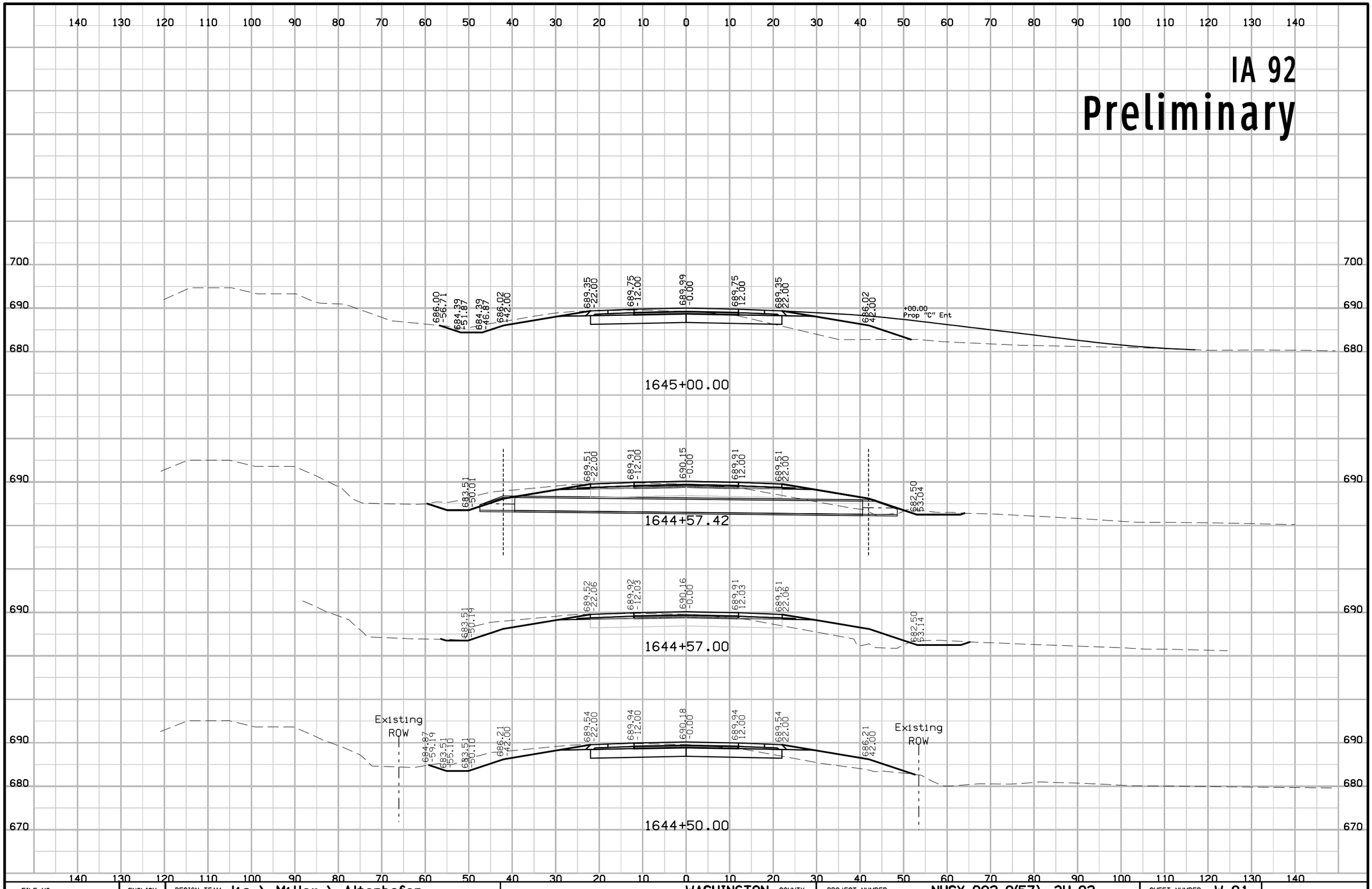

FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.91

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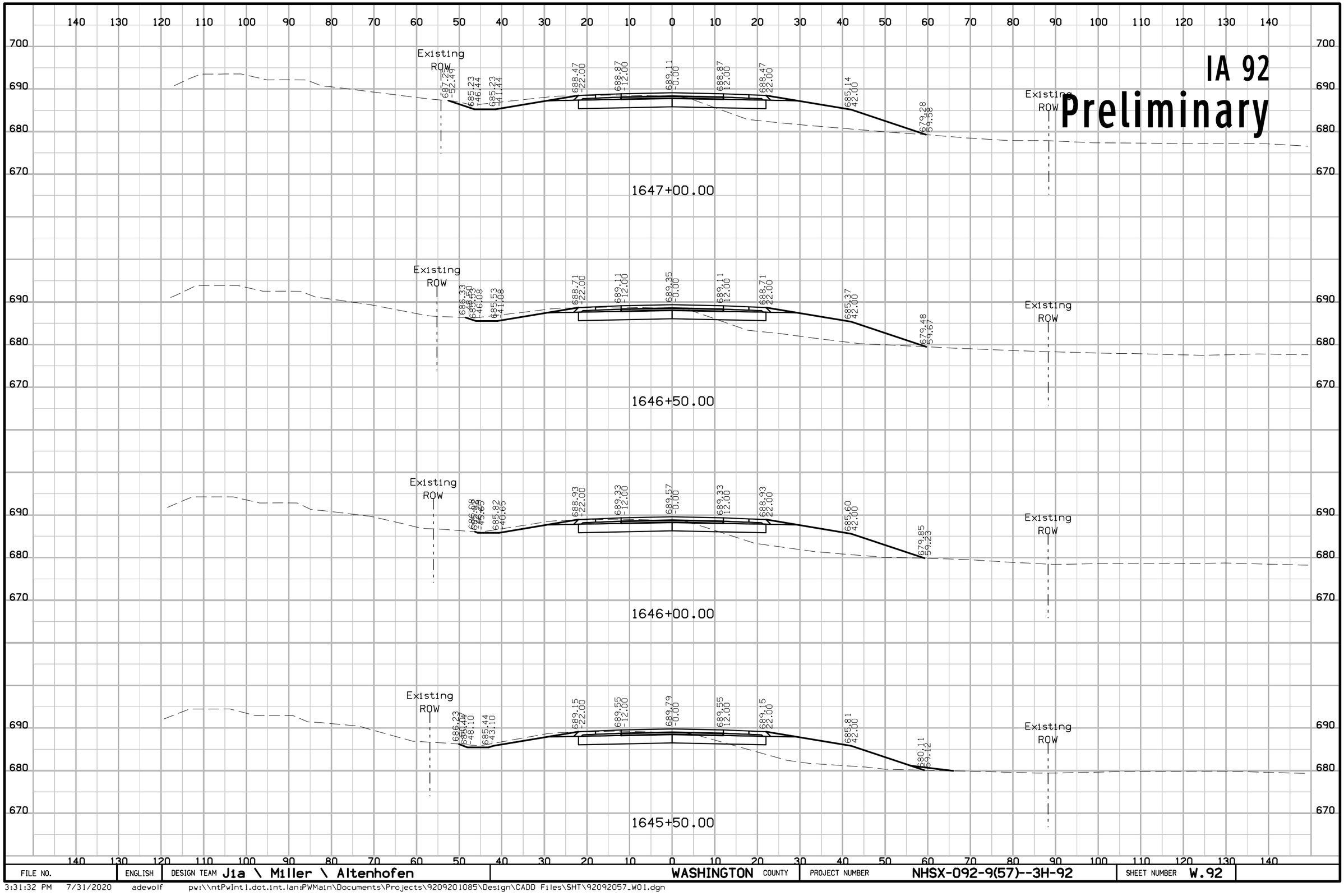

FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.92

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IA 92

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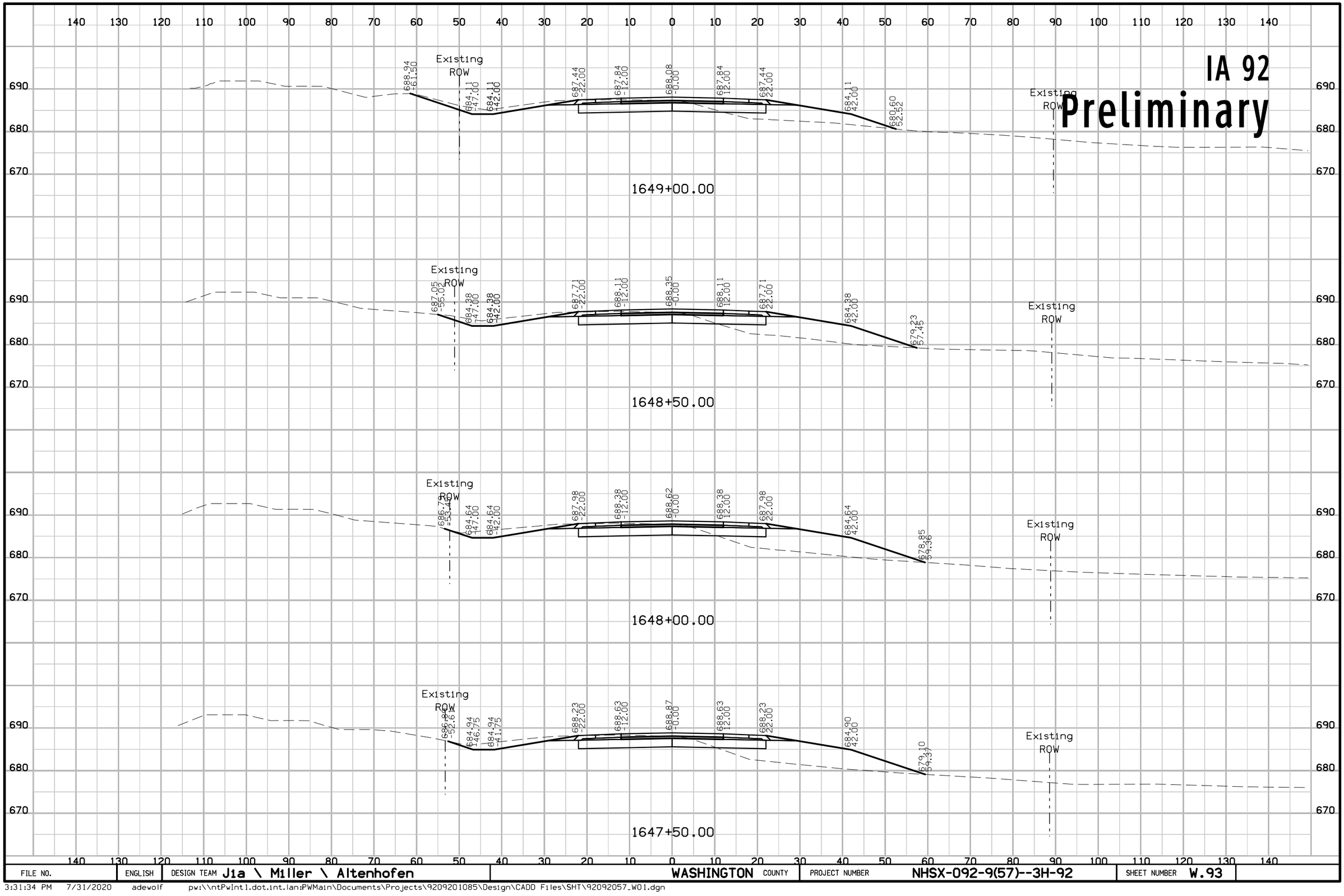

FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.93

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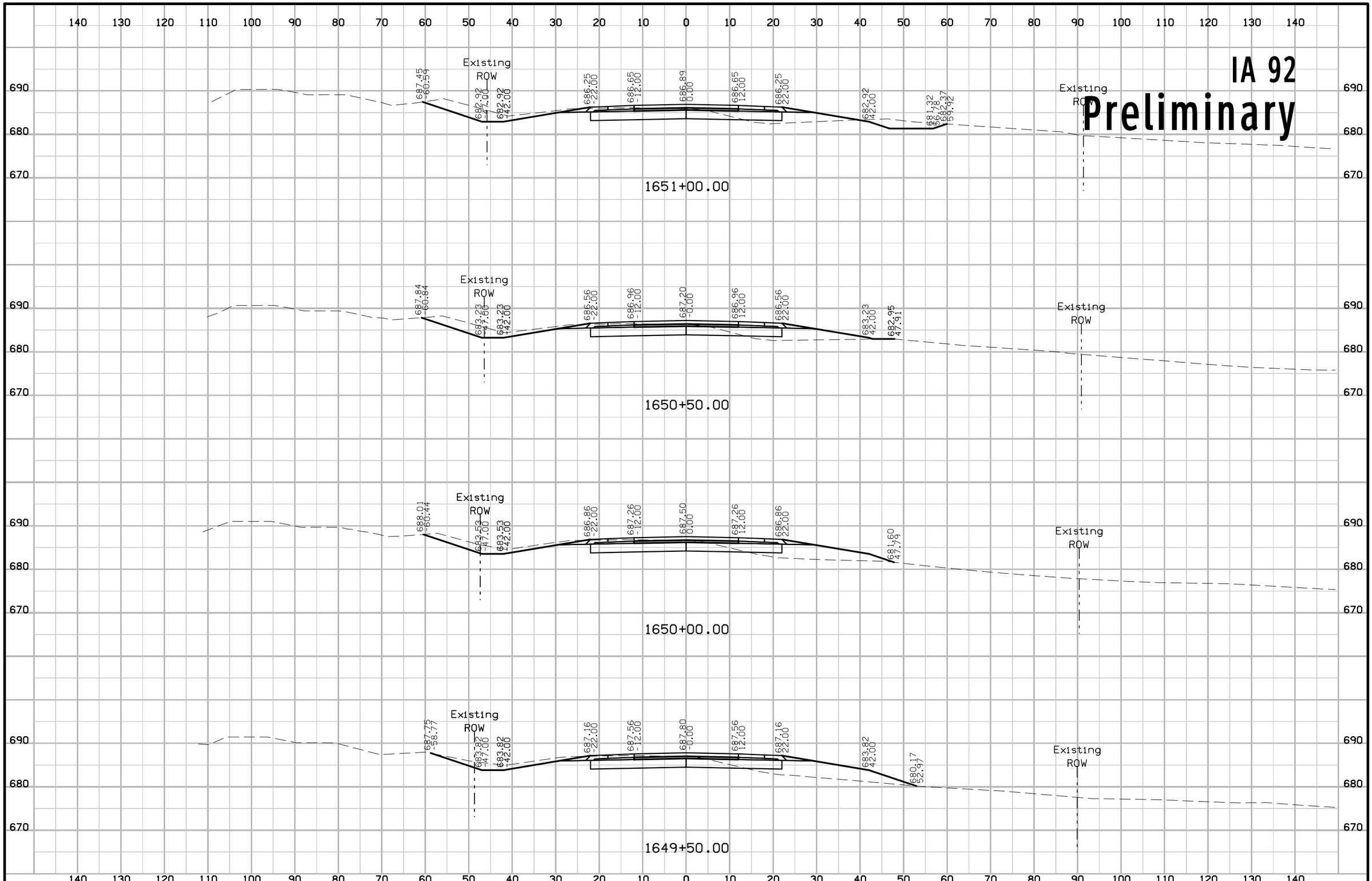
IA 92

Preliminary



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.94

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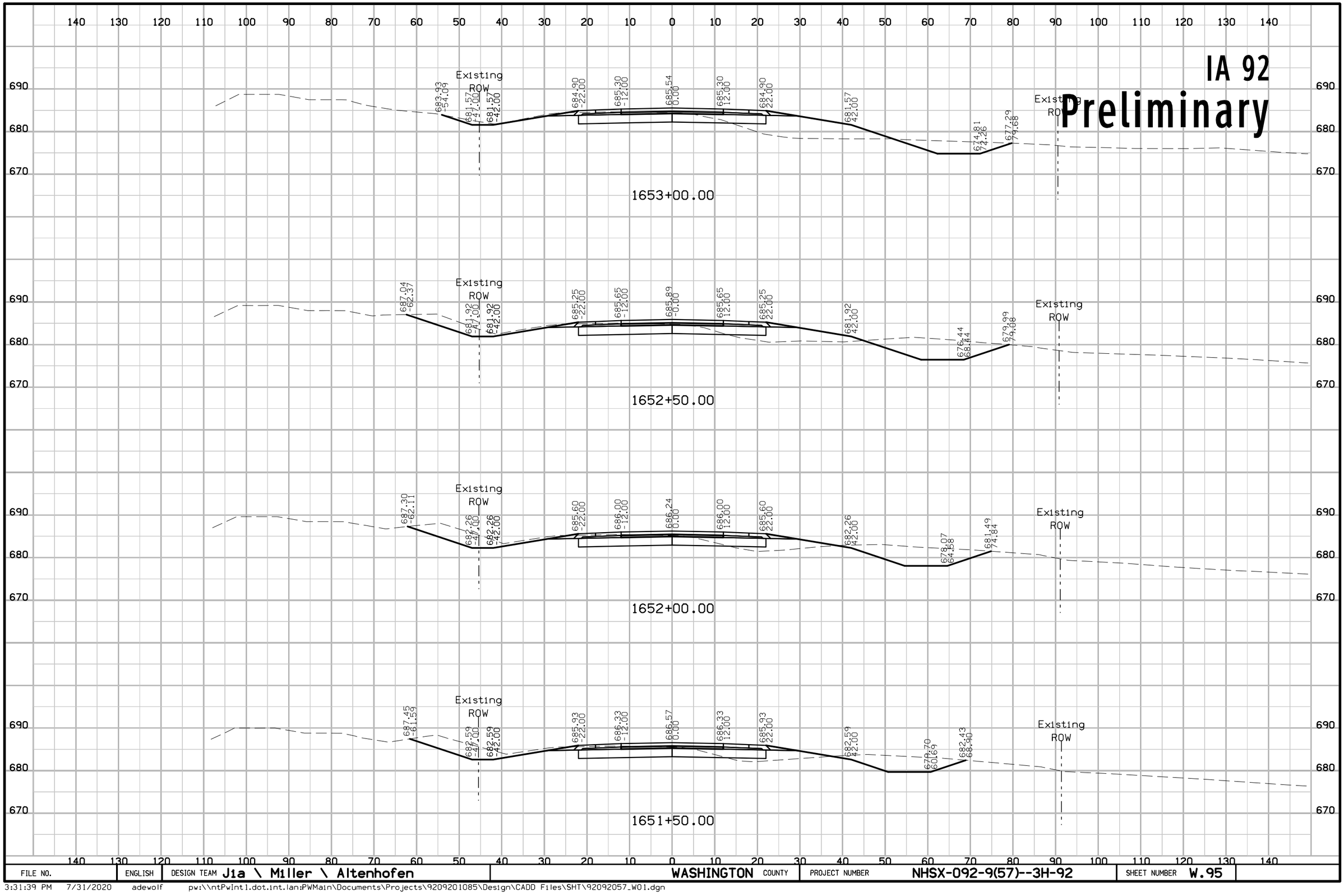

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IA 92

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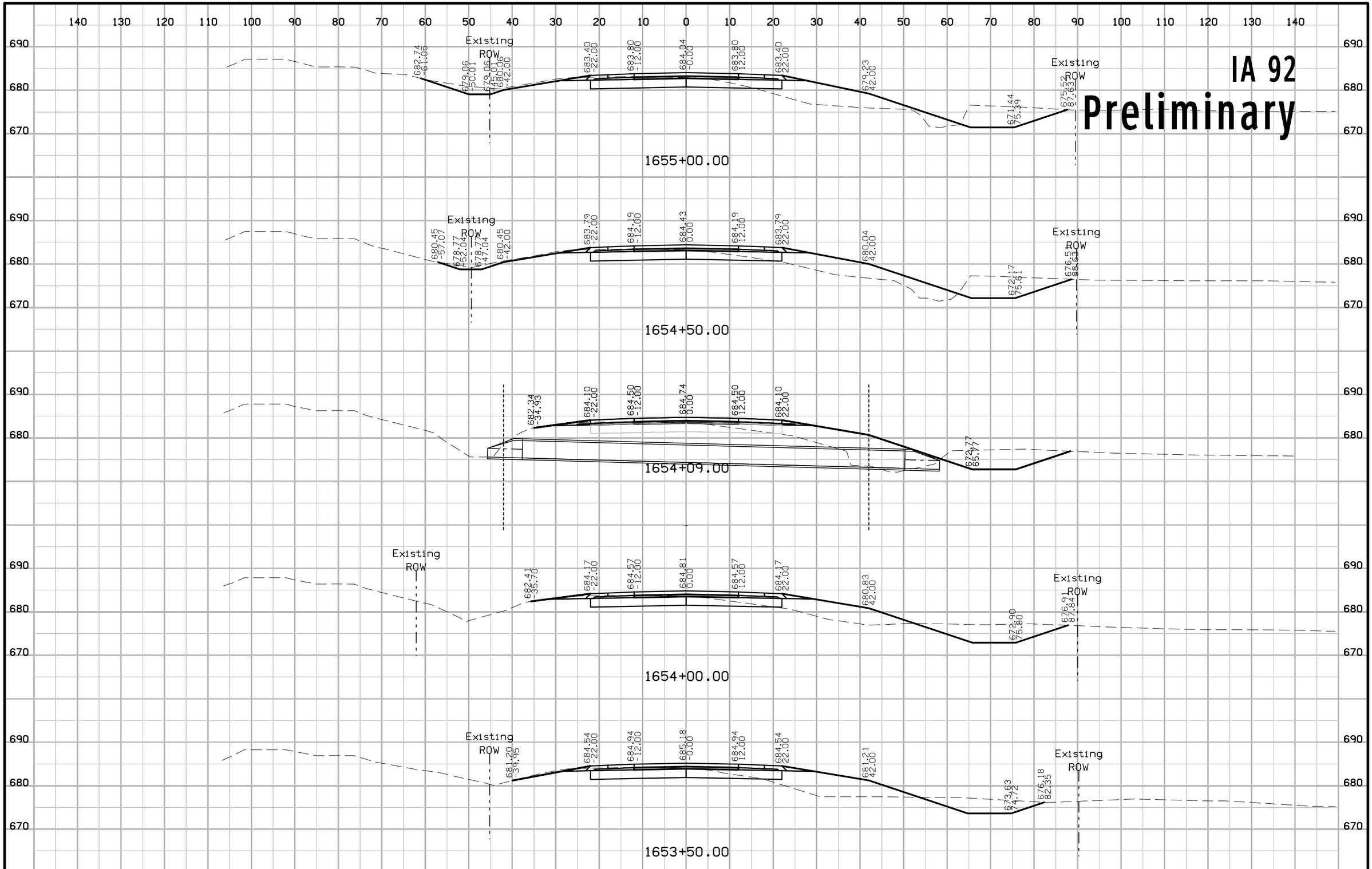

FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.96

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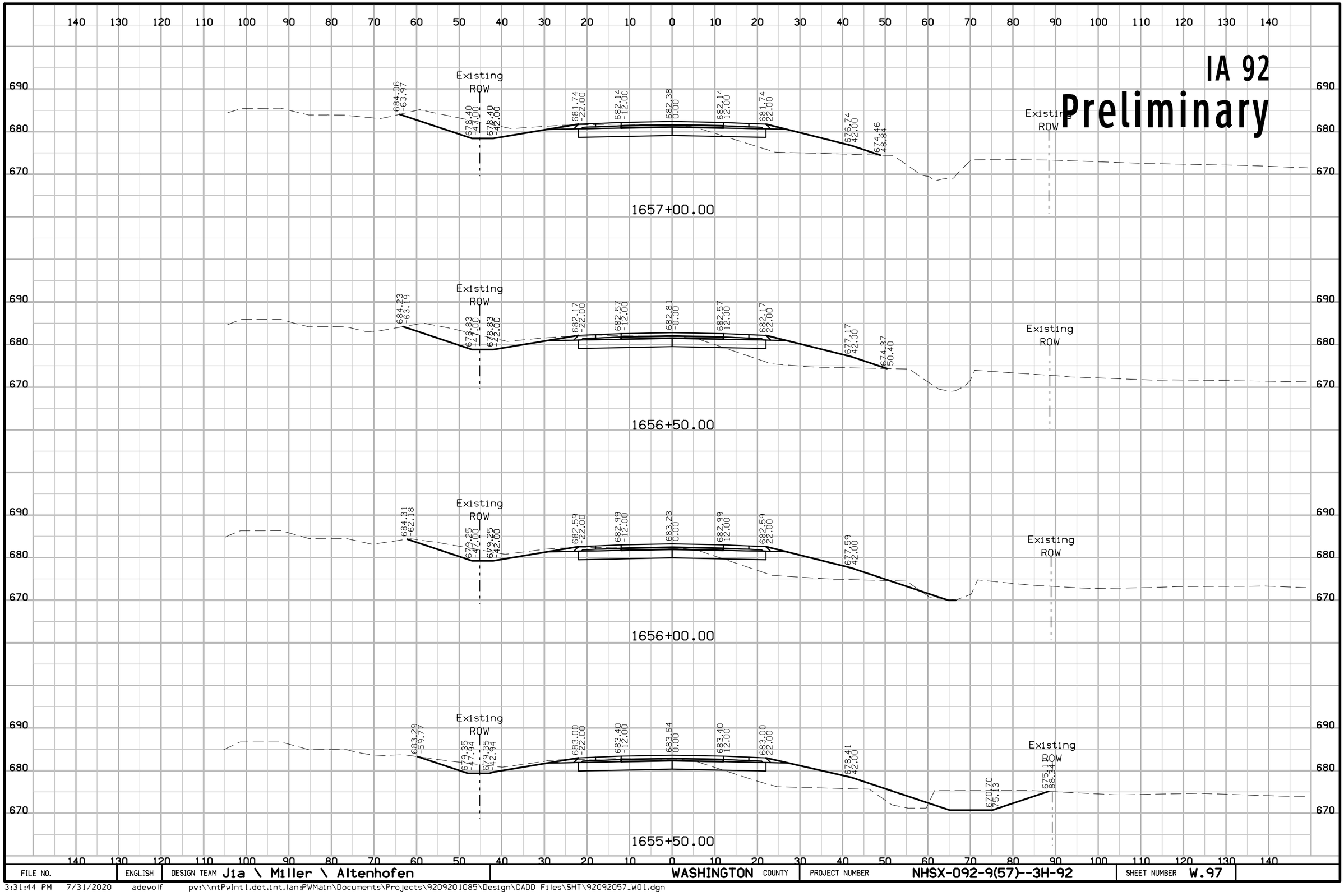
IA 92

Preliminary



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.97

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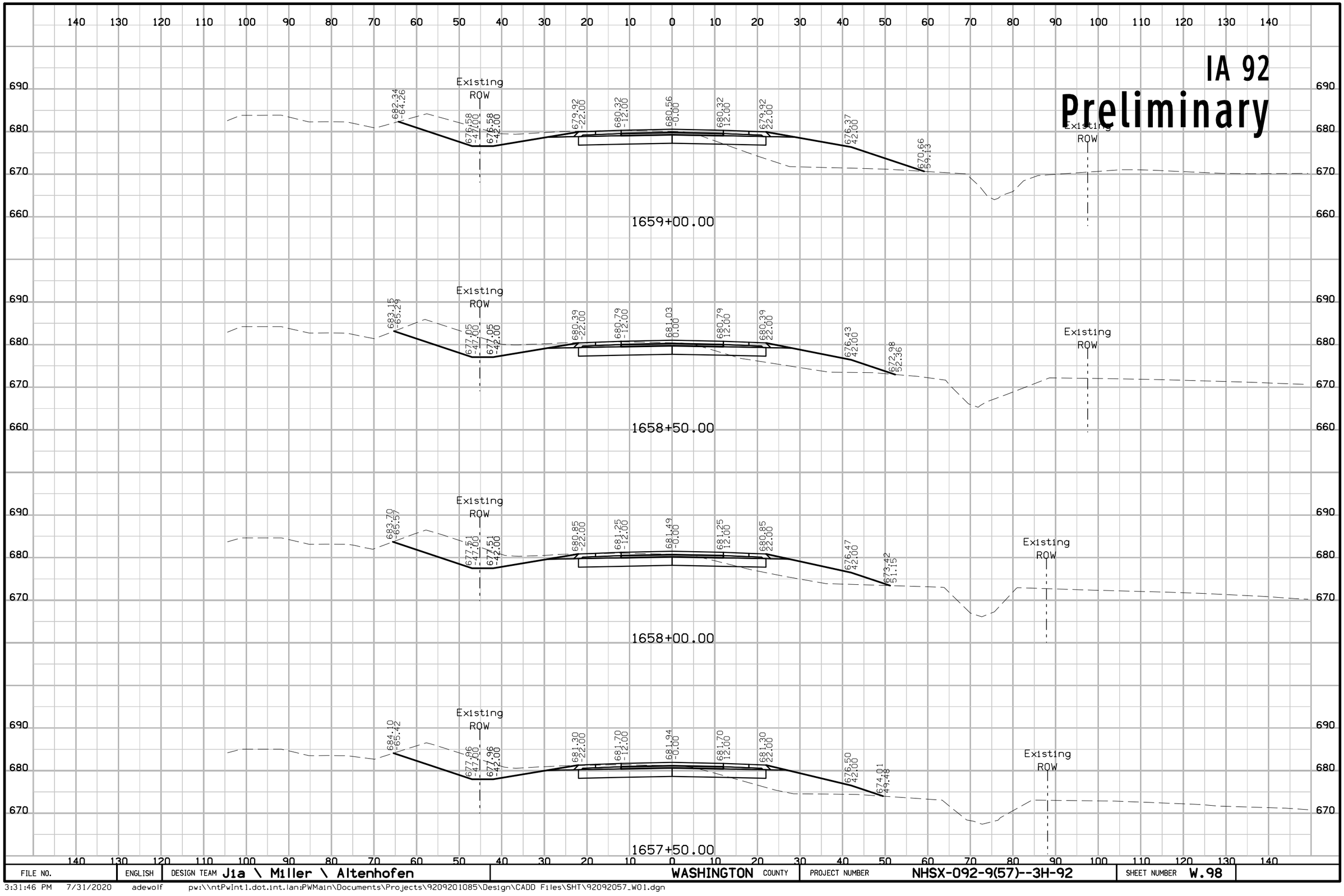
IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.98

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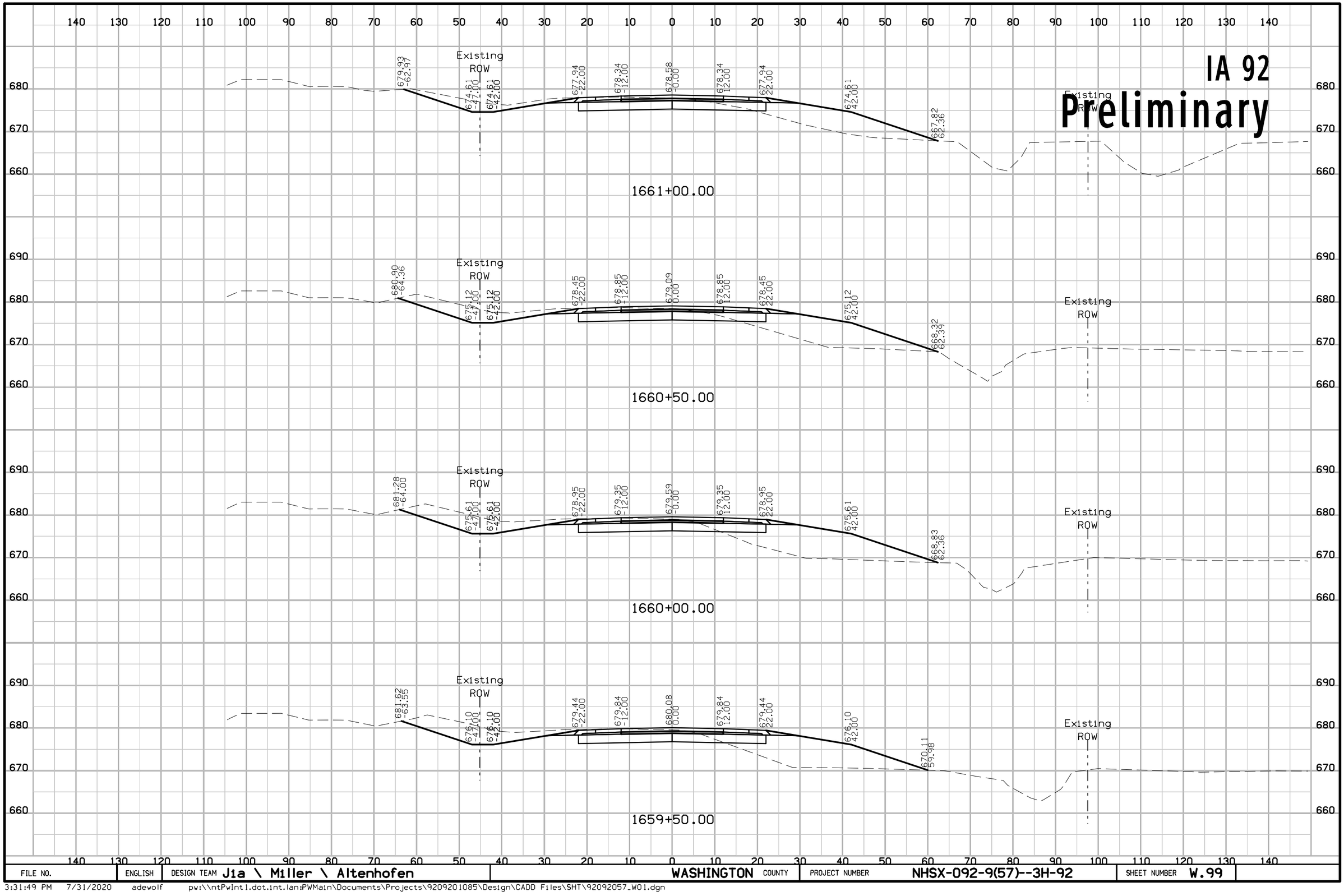
IA 92

Preliminary



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.99

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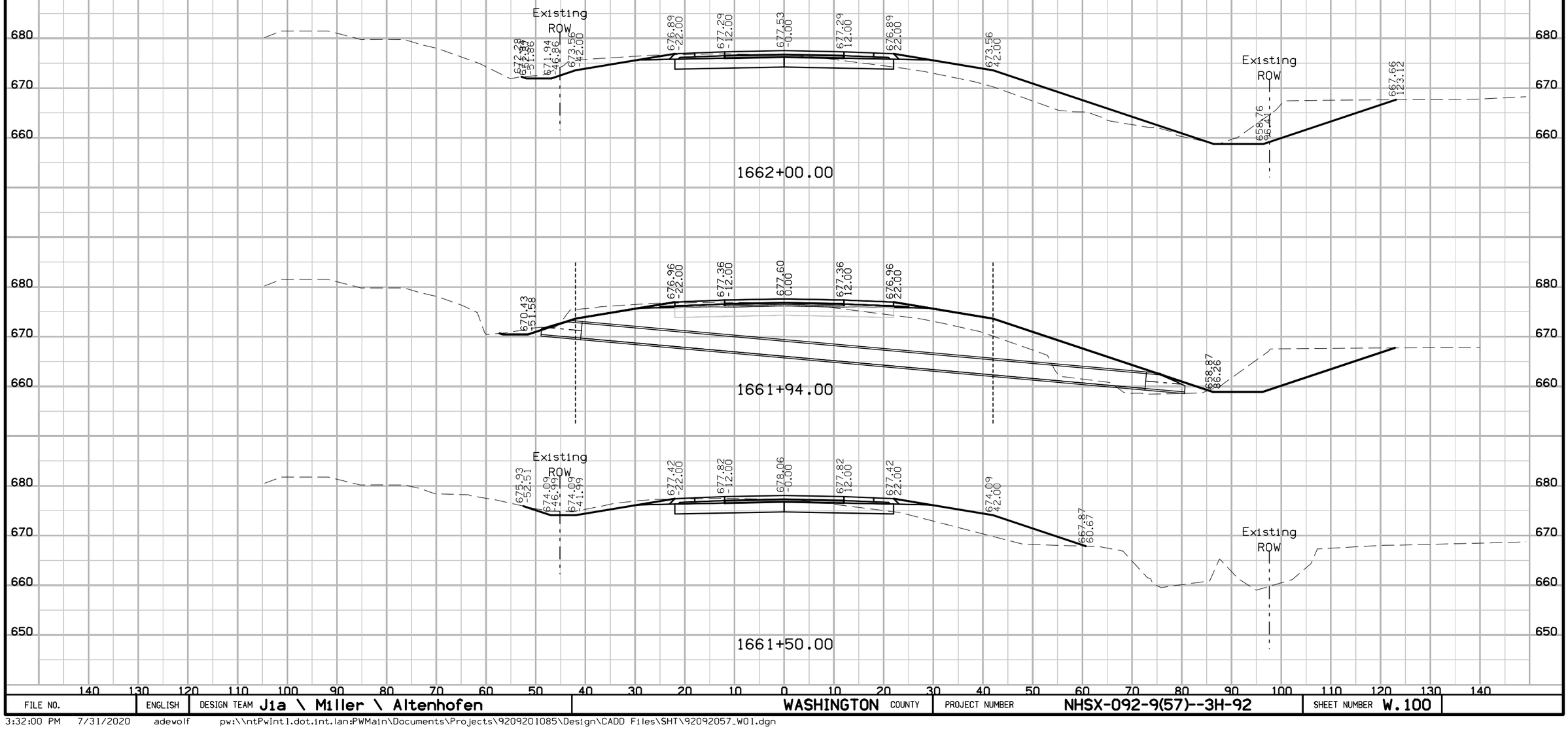
IA 92
Preliminary



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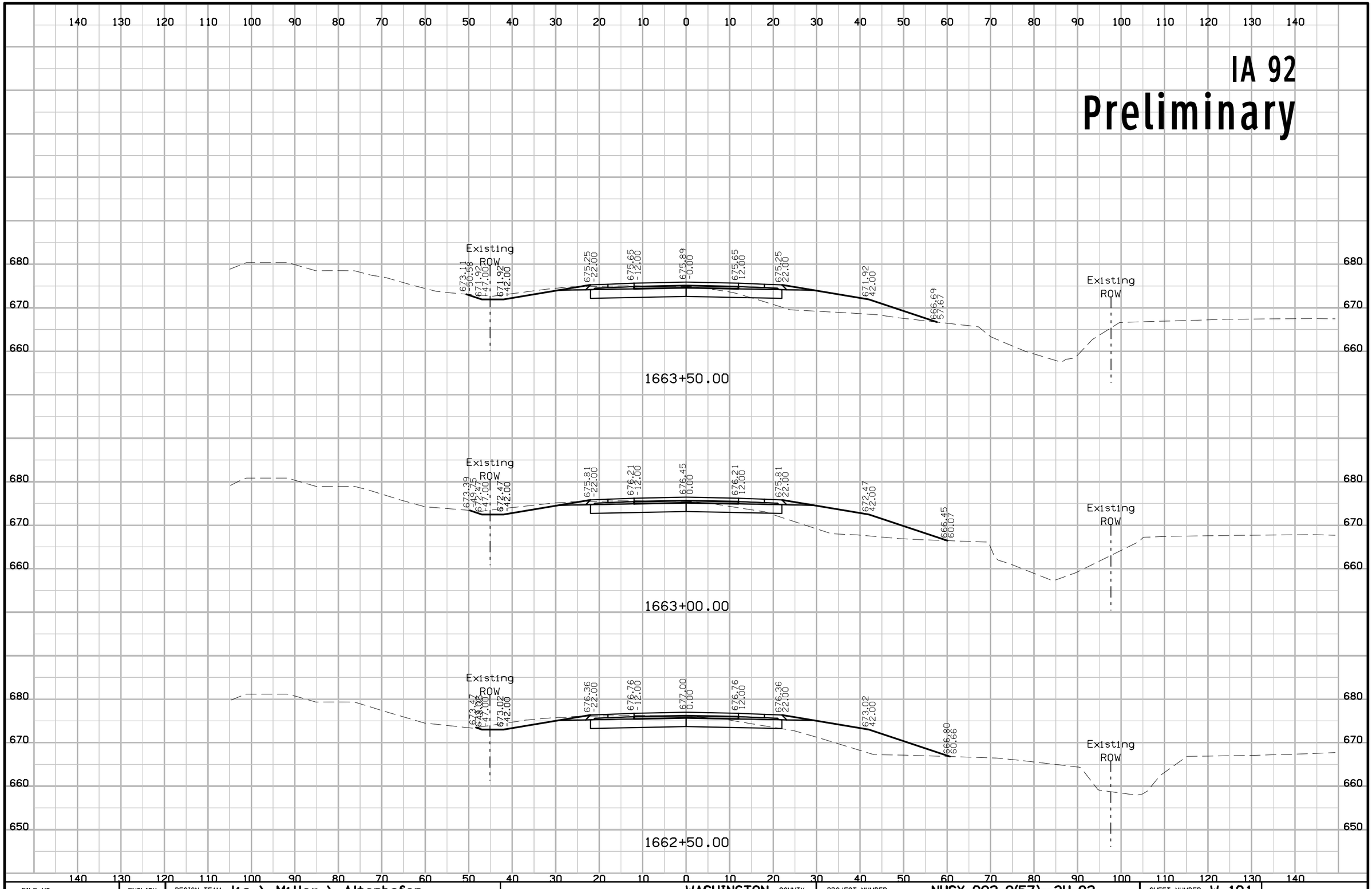
IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.101

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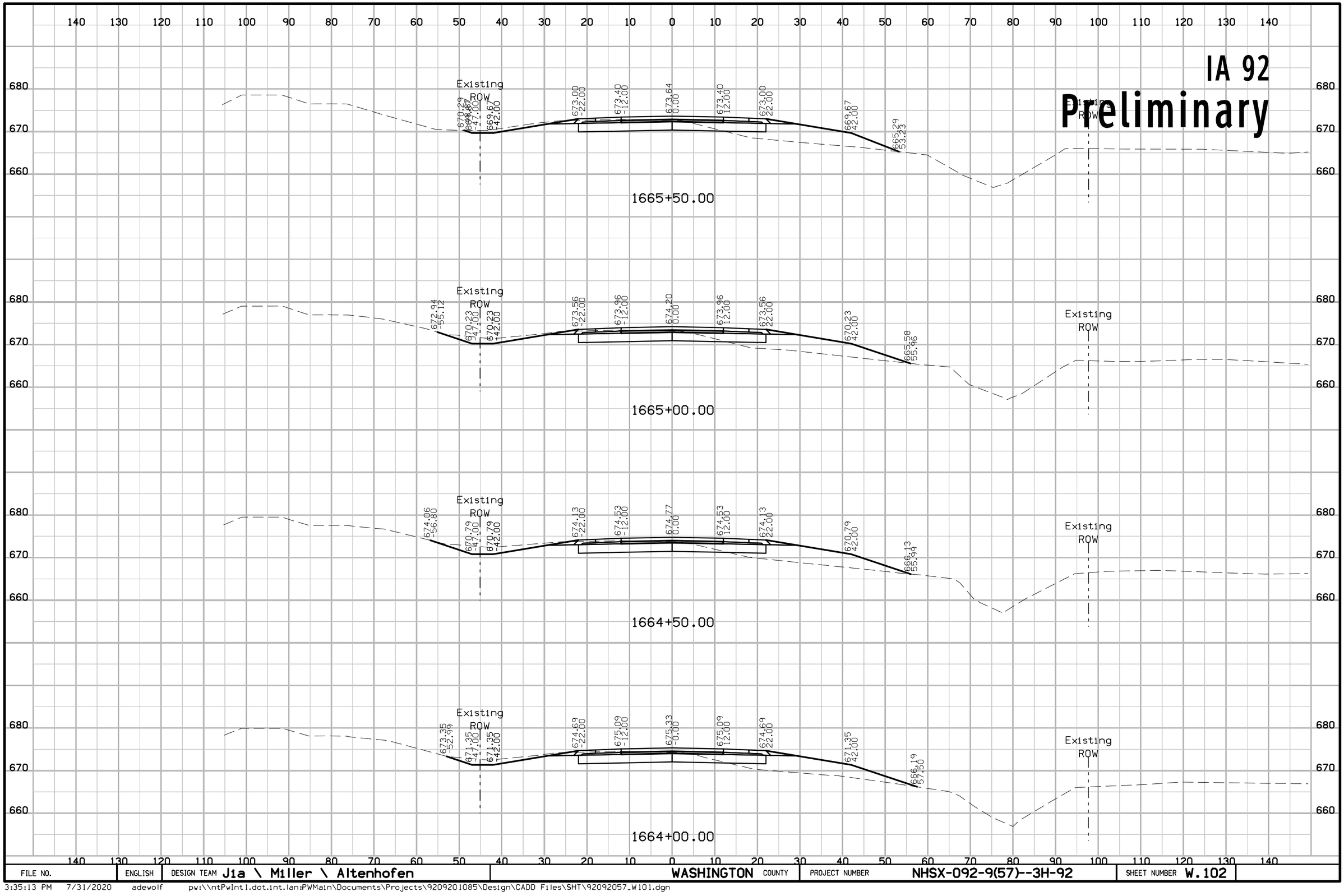
IA 92

Preliminary



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.102

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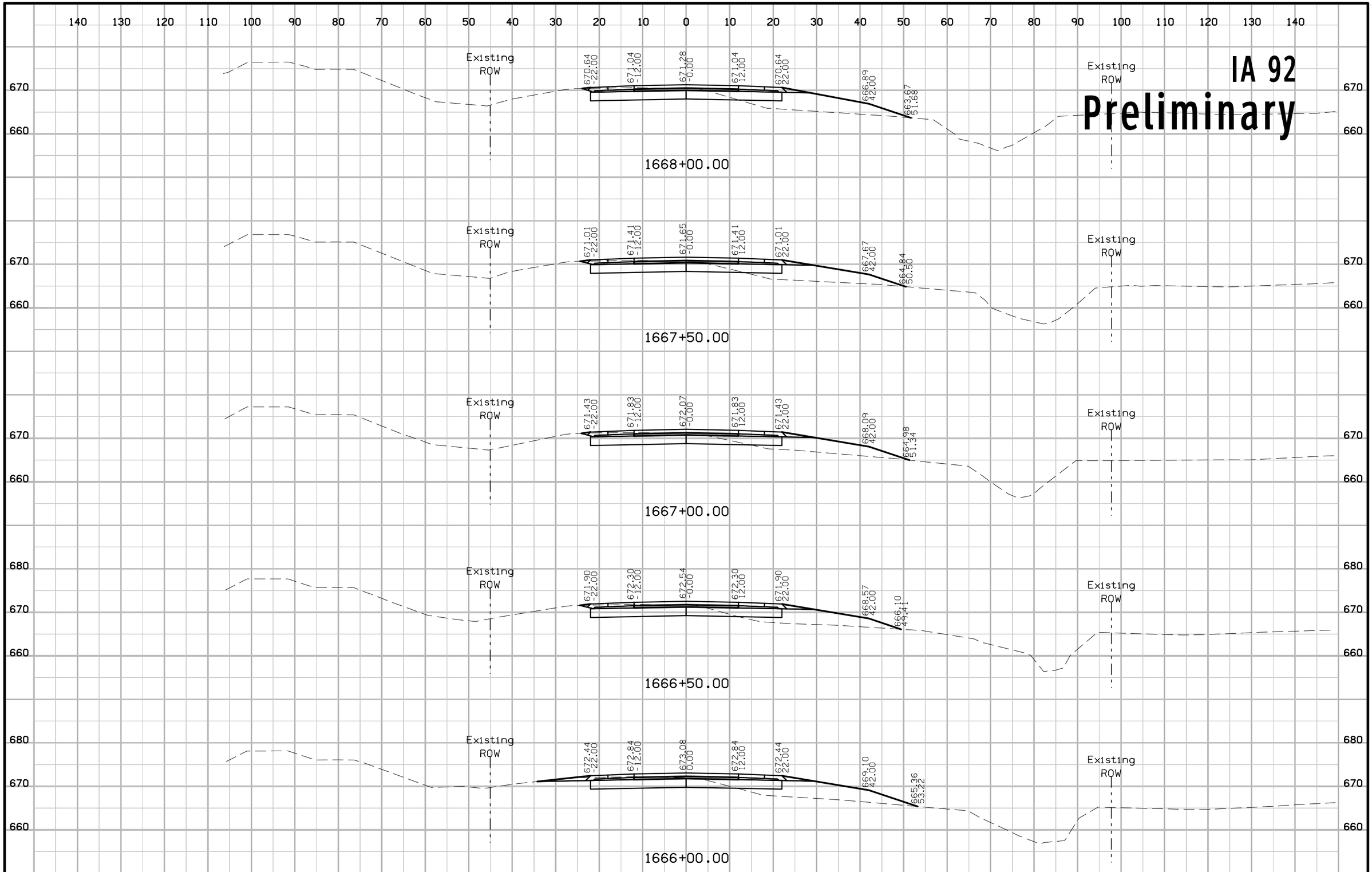

FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.103

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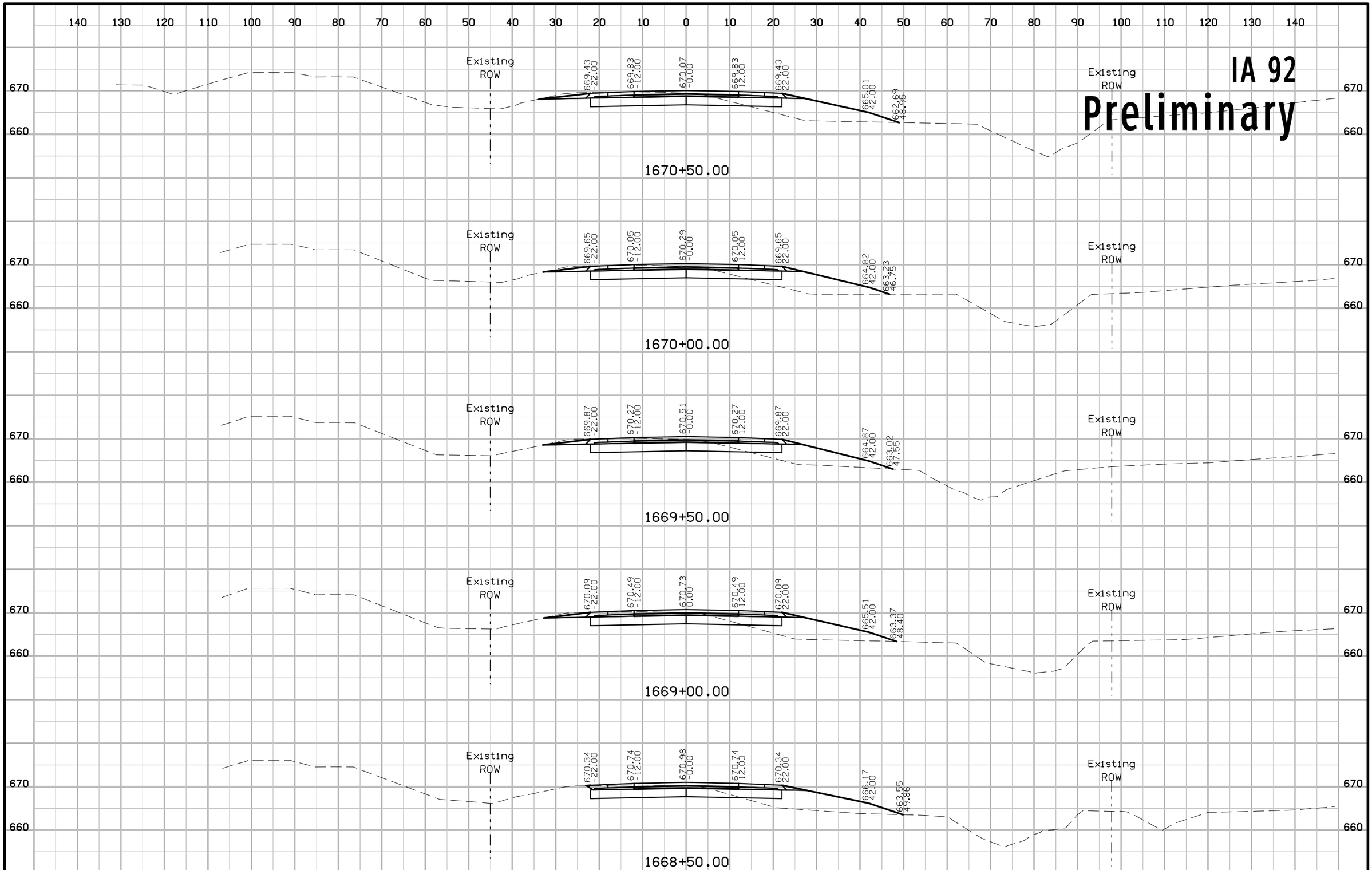
IA 92

Preliminary



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.104

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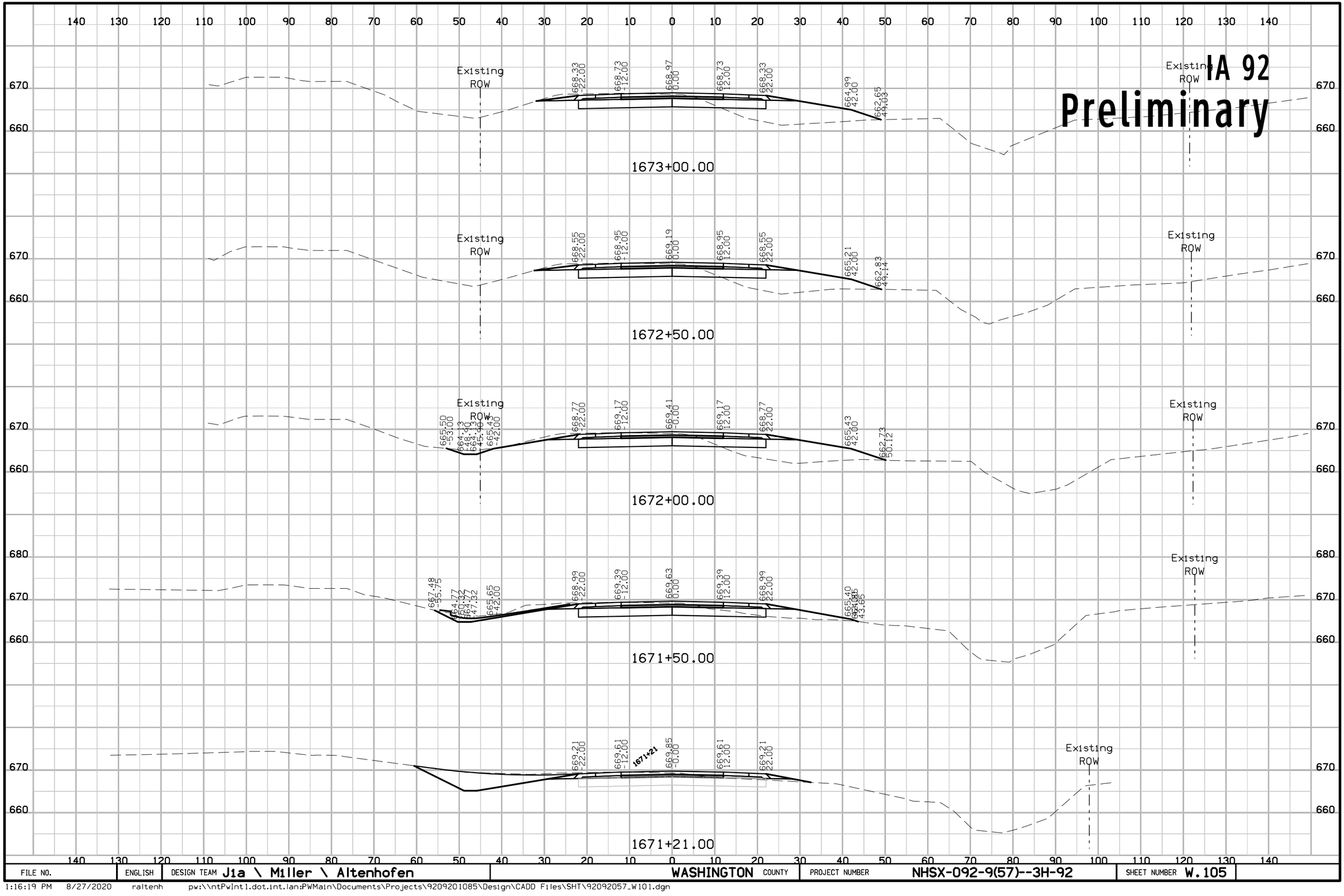
IA 92

Preliminary



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.105

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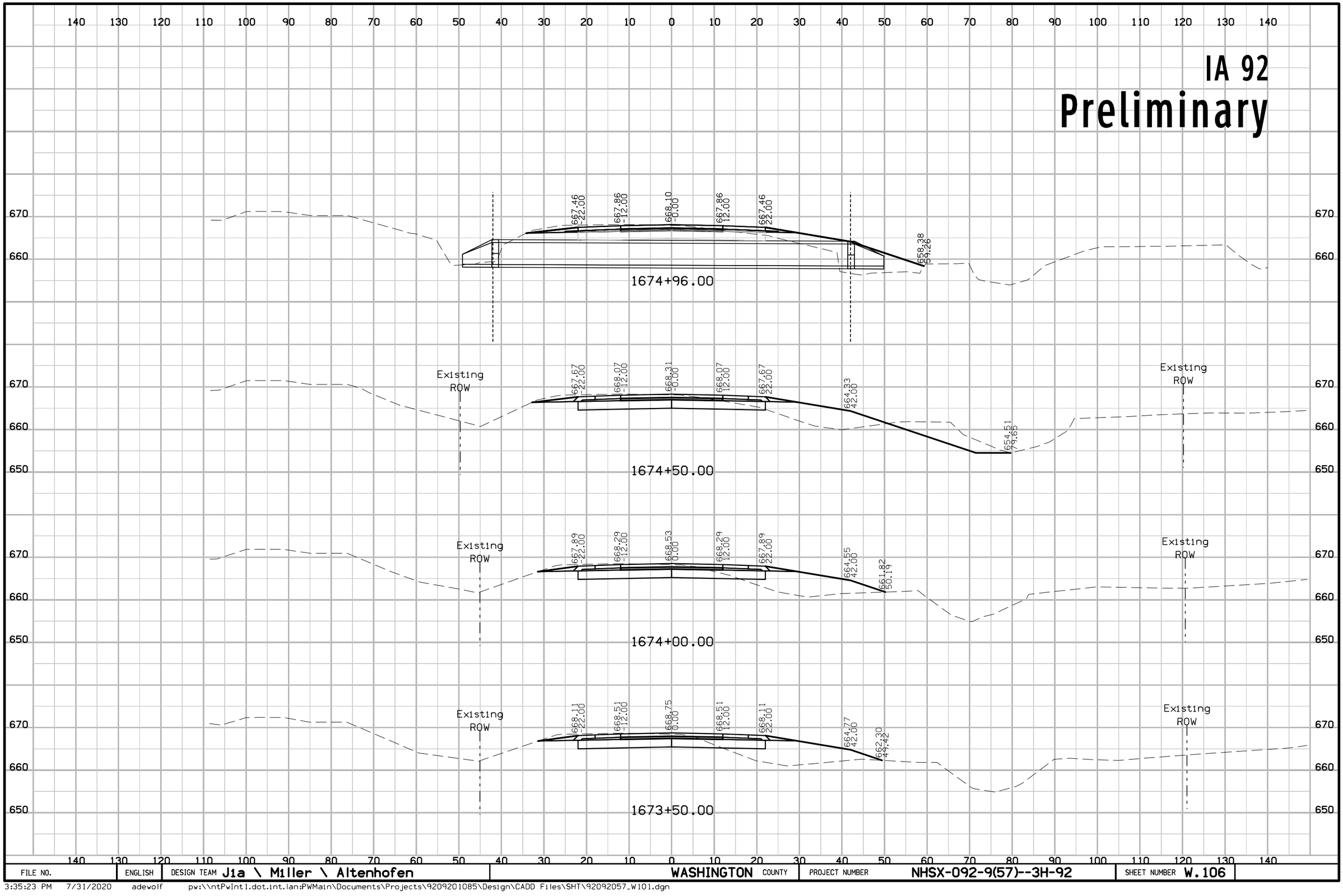
IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.106

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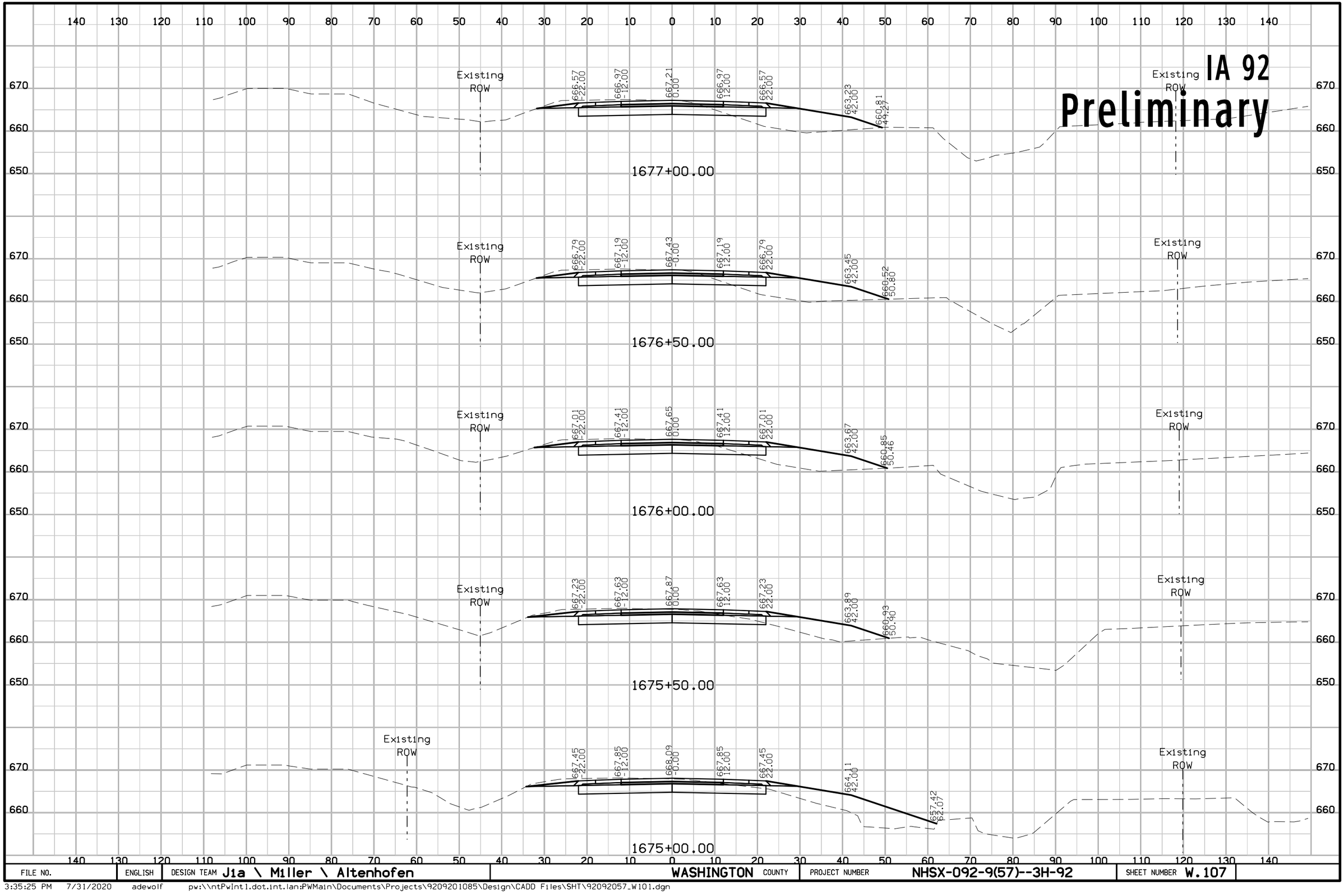
IA 92

Preliminary



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.107

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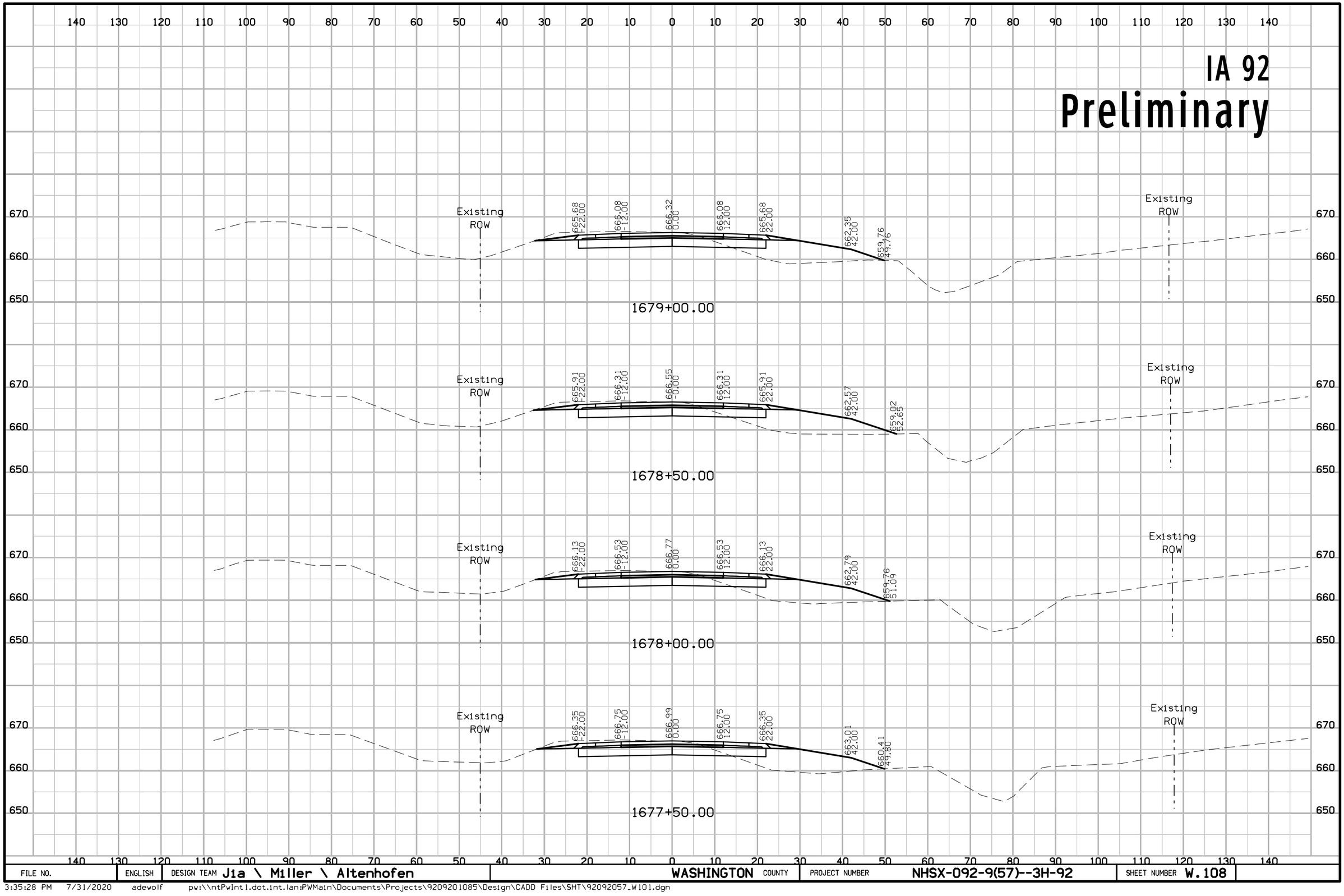
IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.108

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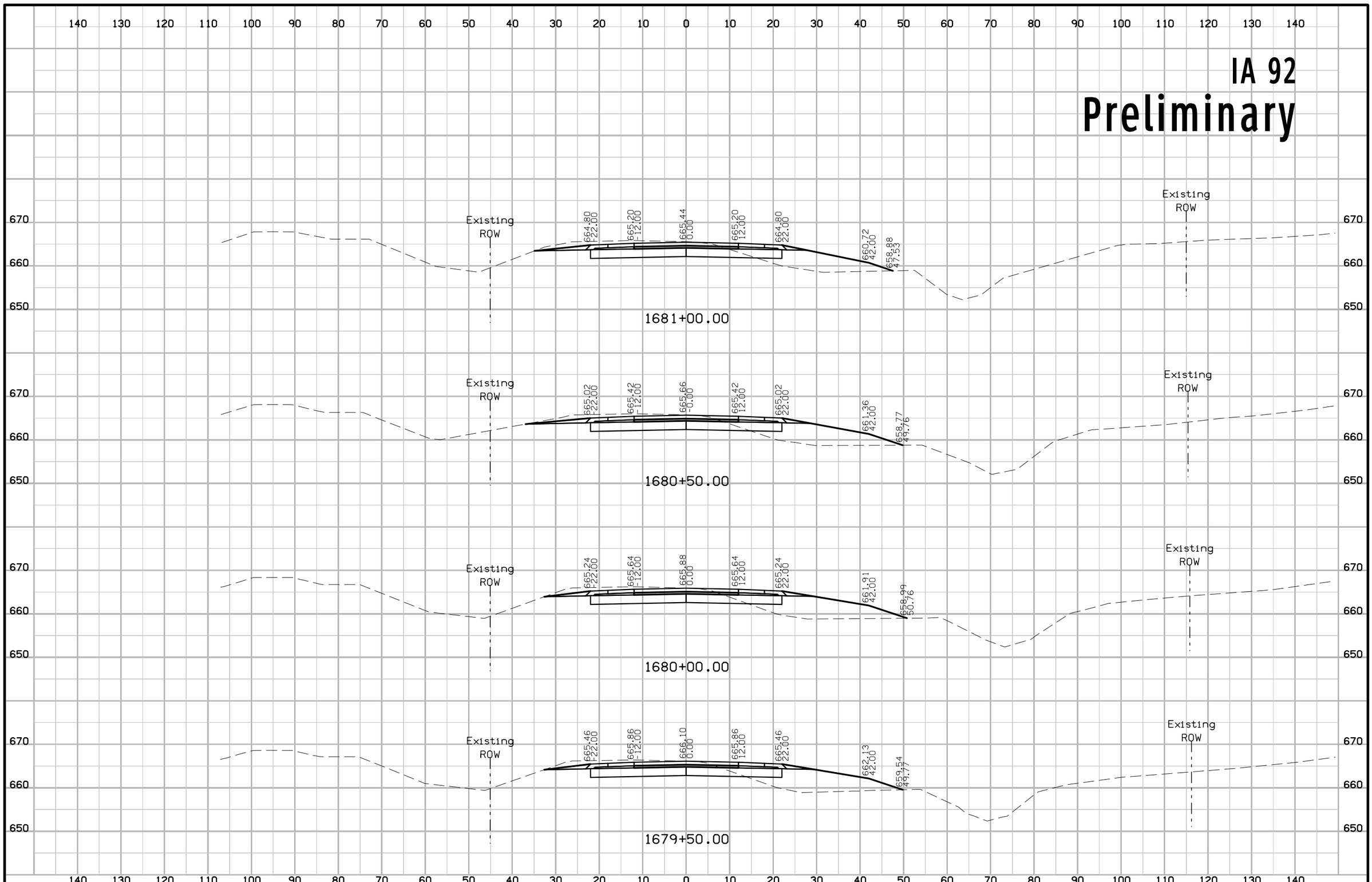
IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.109

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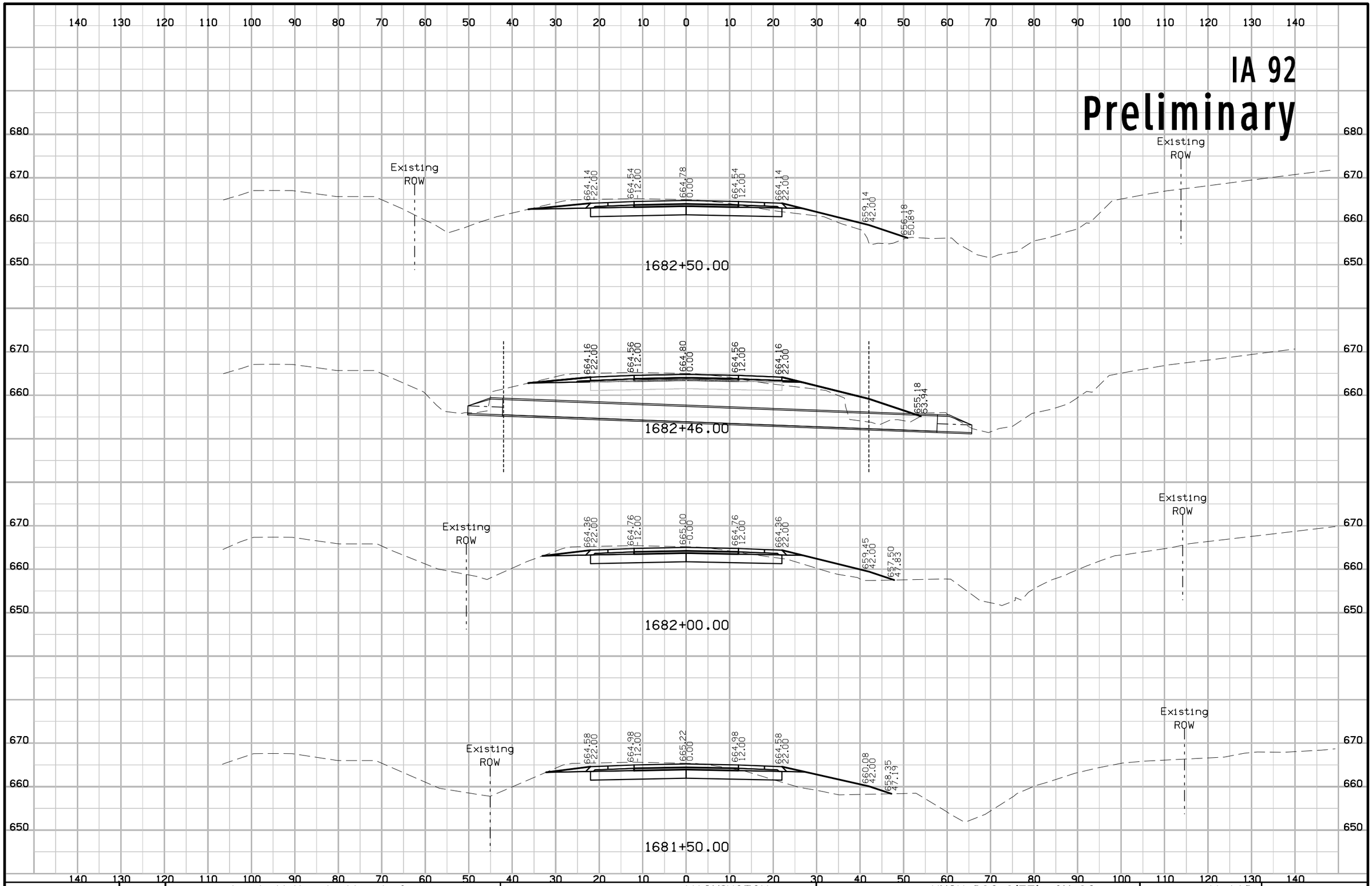
IA 92

Preliminary



FILE NO.	ENGLISH	DESIGN TEAM J1a \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.110

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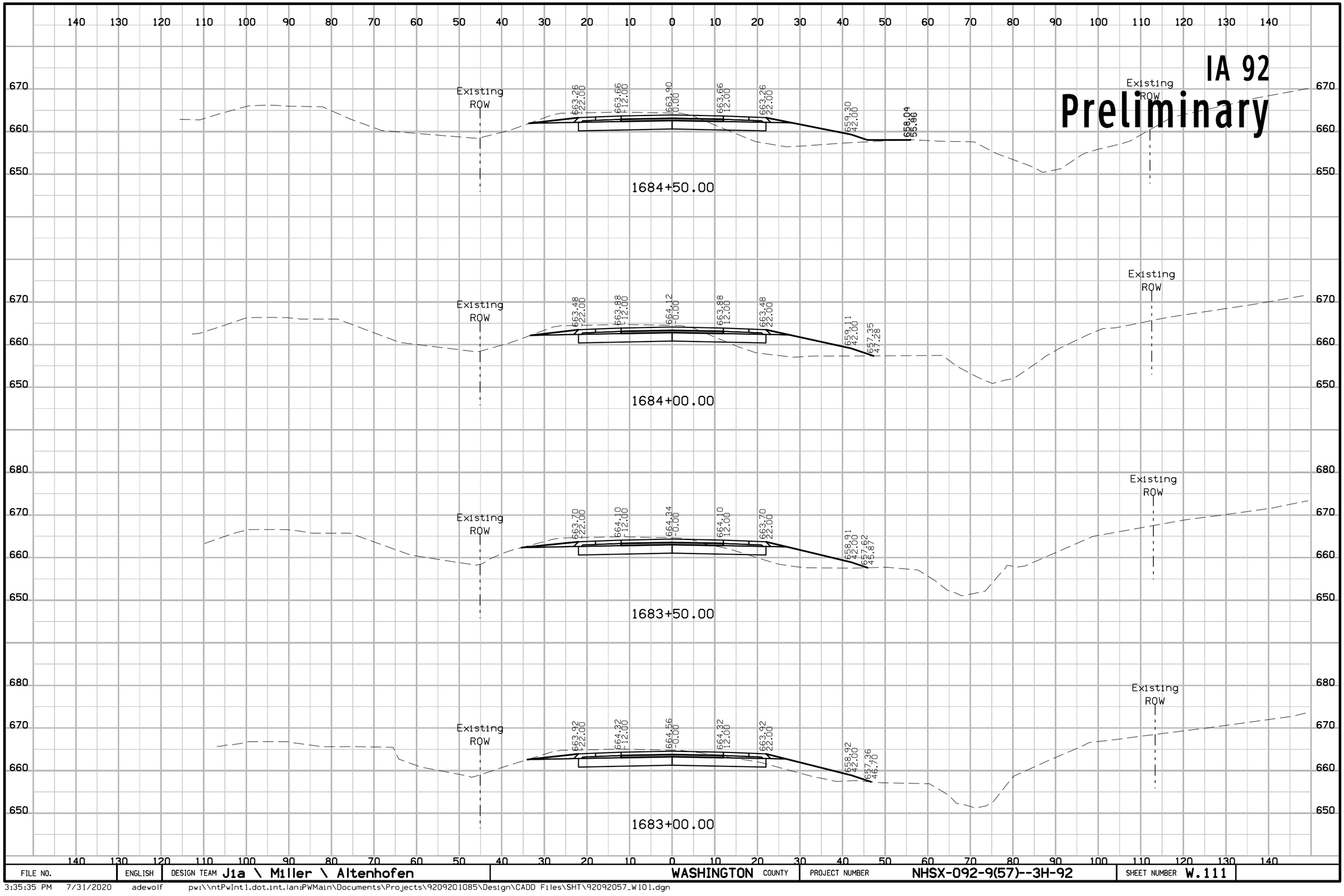
IA 92

Preliminary



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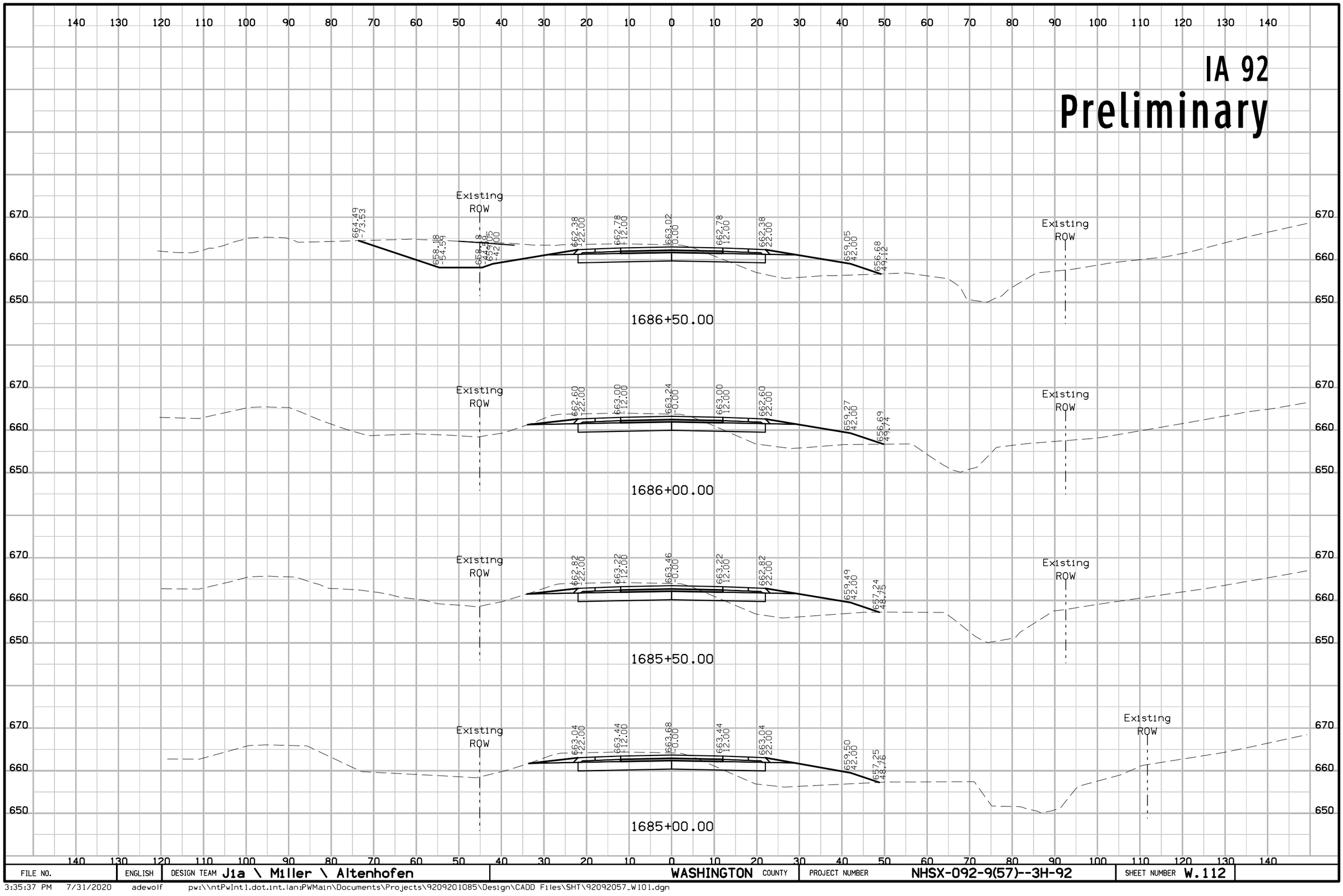
IA 92
Preliminary



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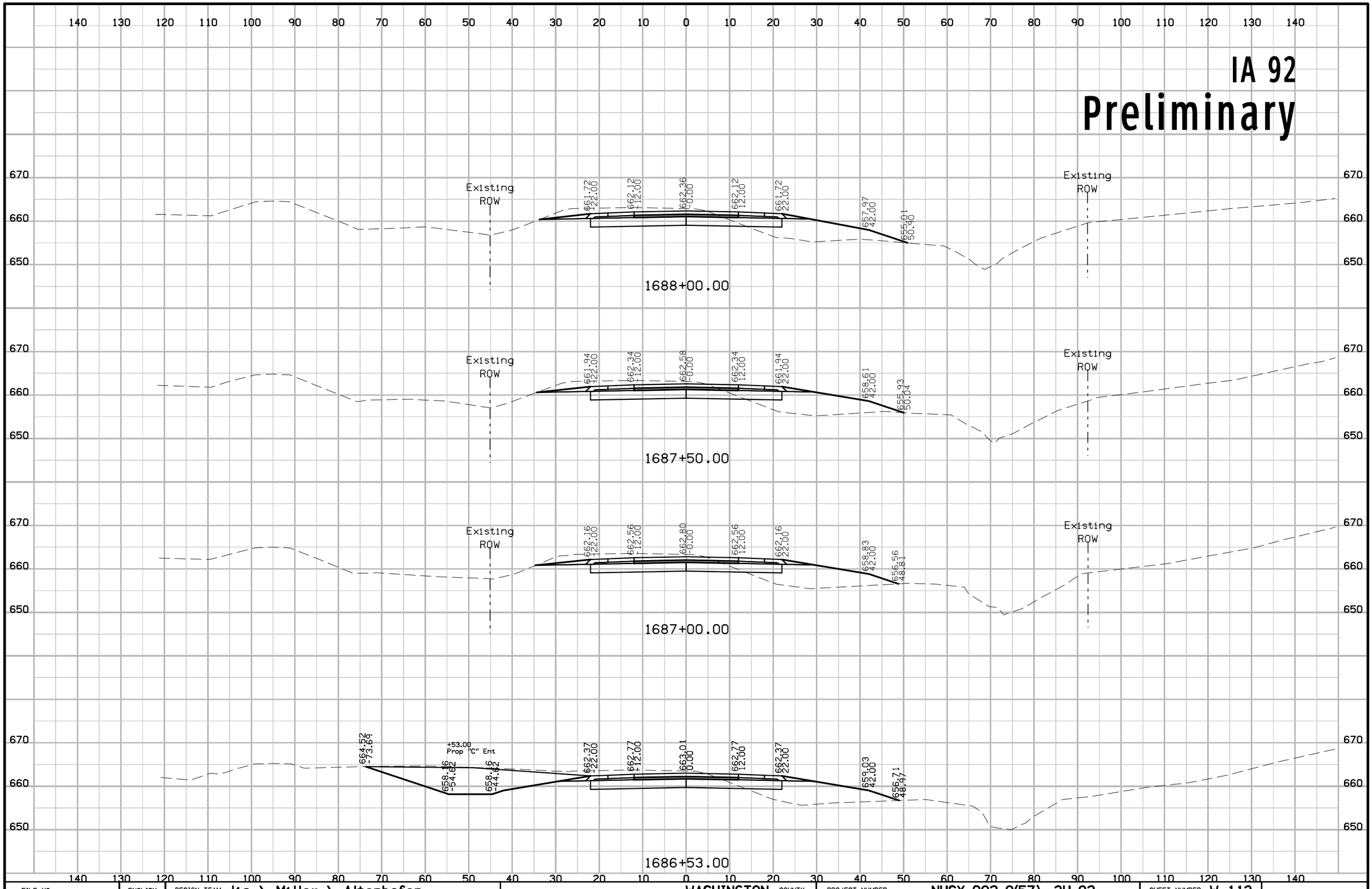
IA 92
Preliminary



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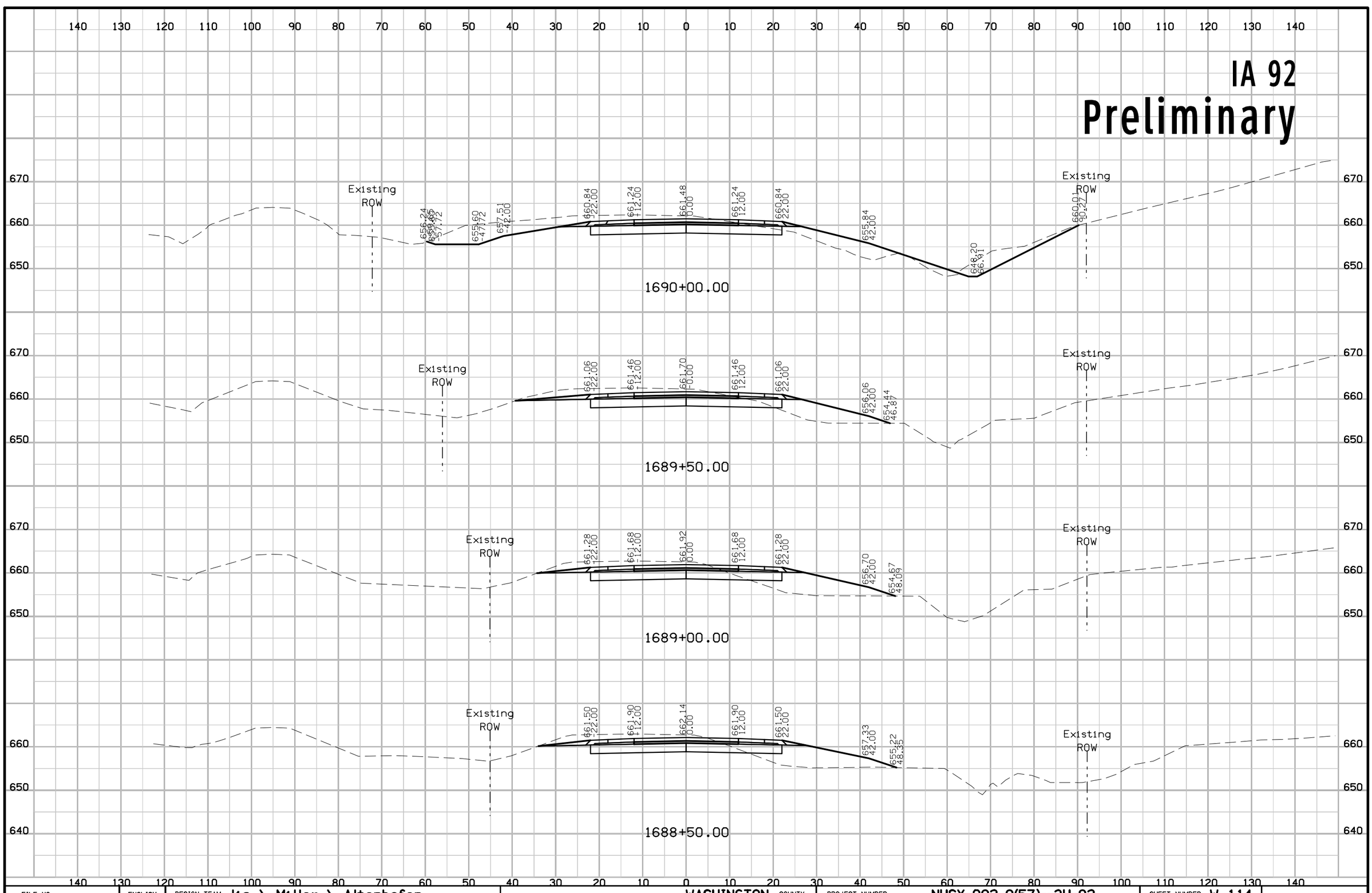
IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.114

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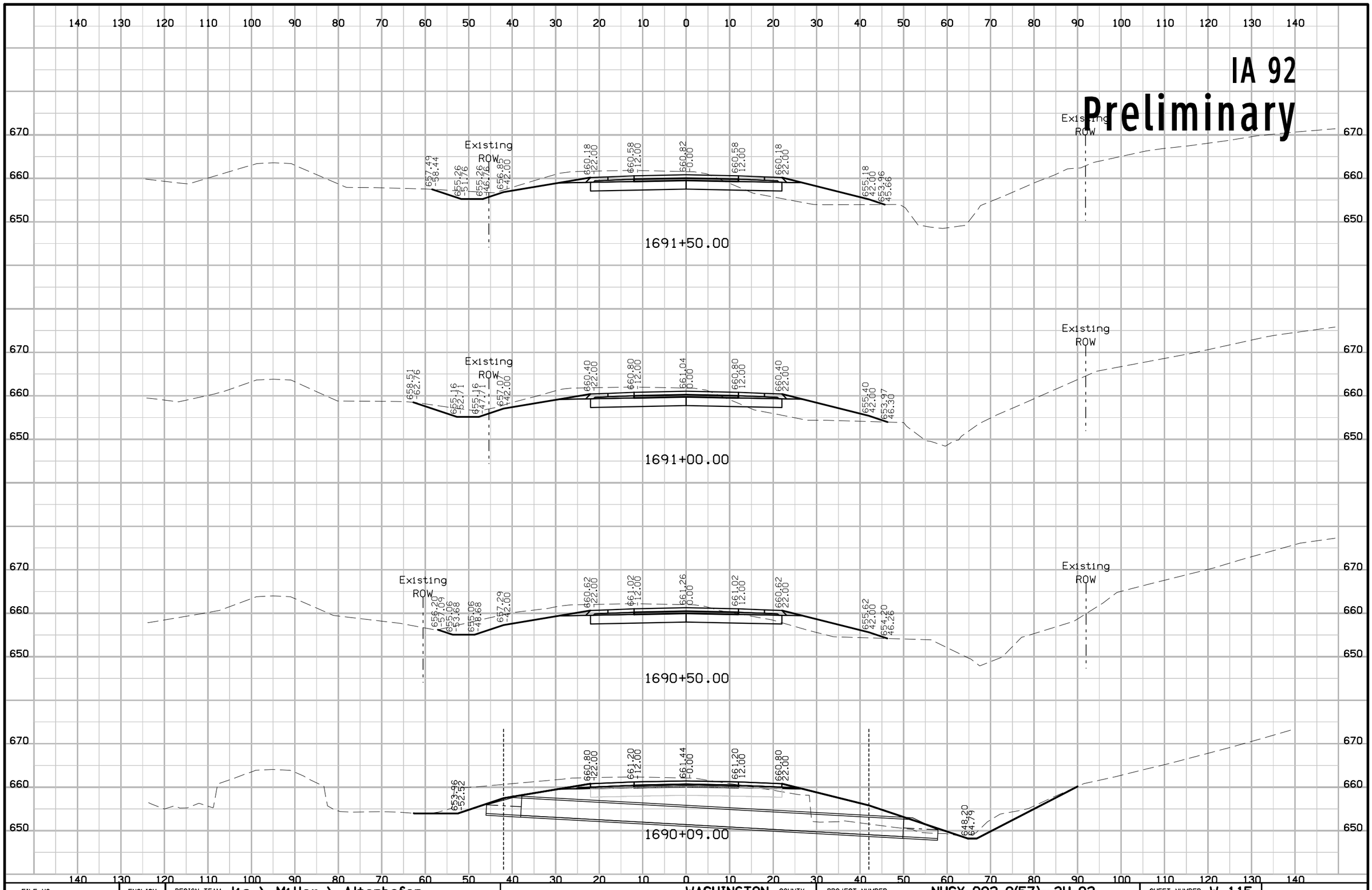
IA 92

Preliminary



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.115

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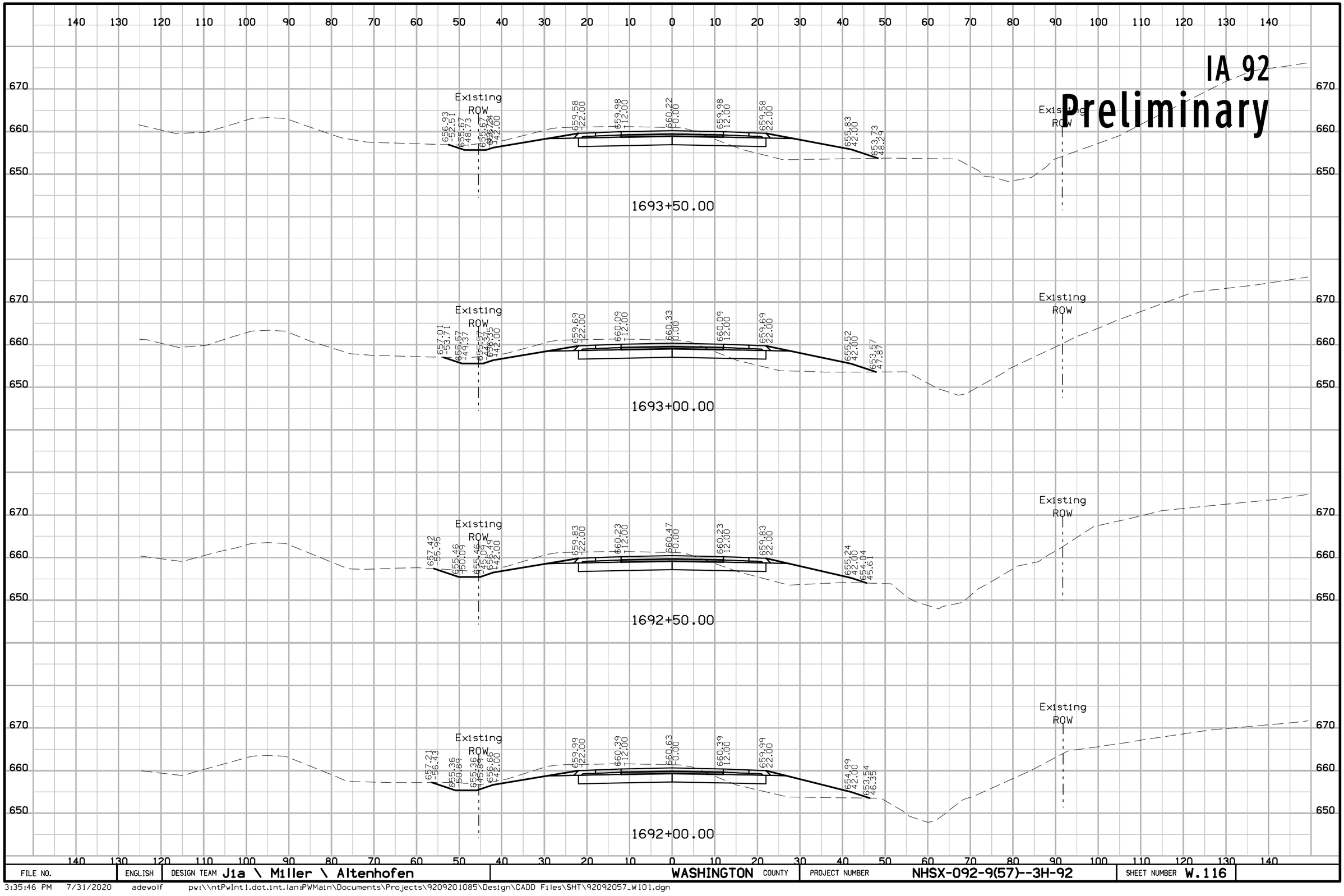
IA 92

Preliminary



FILE NO.	ENGLISH	DESIGN TEAM J1a \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.116

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IA 92

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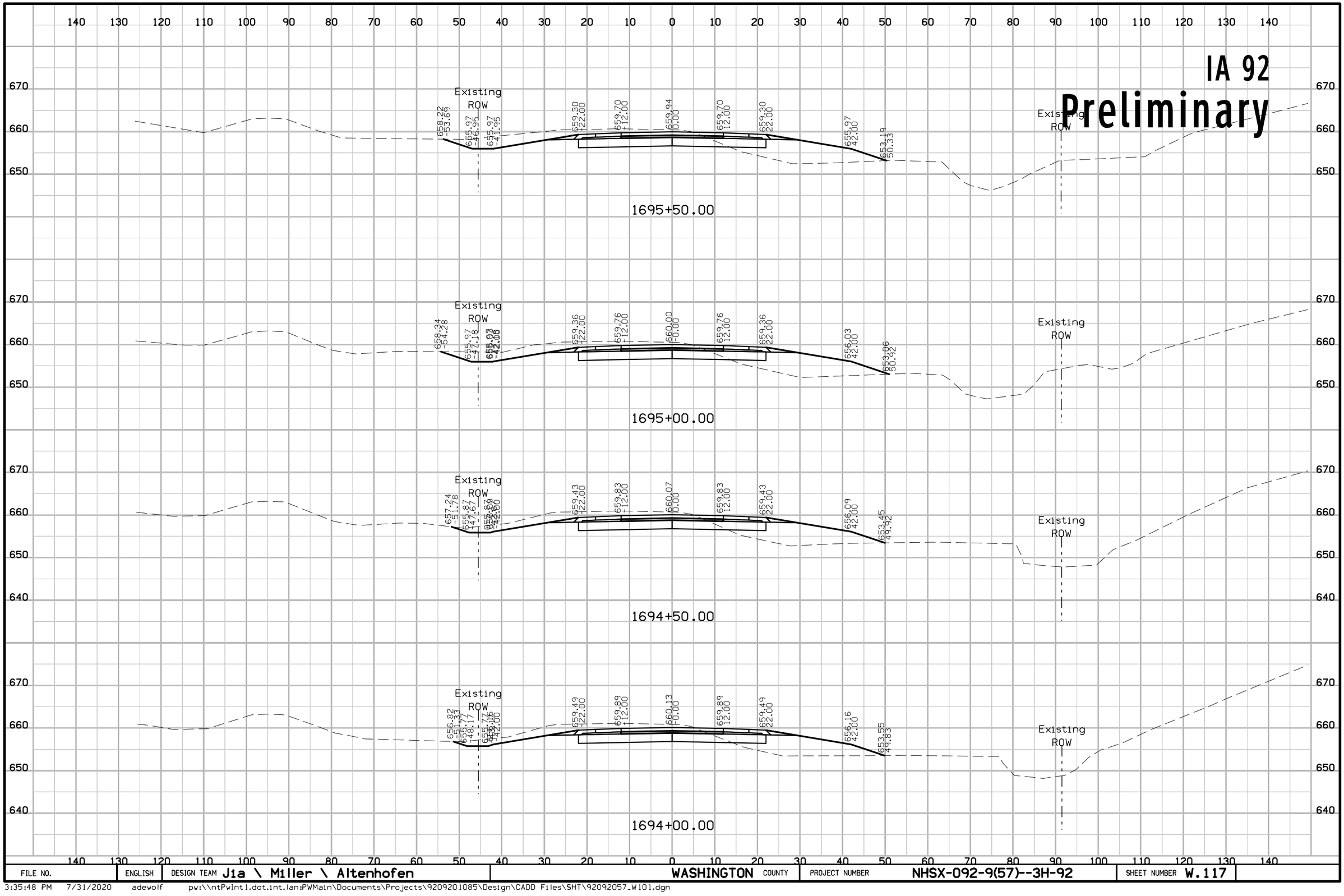

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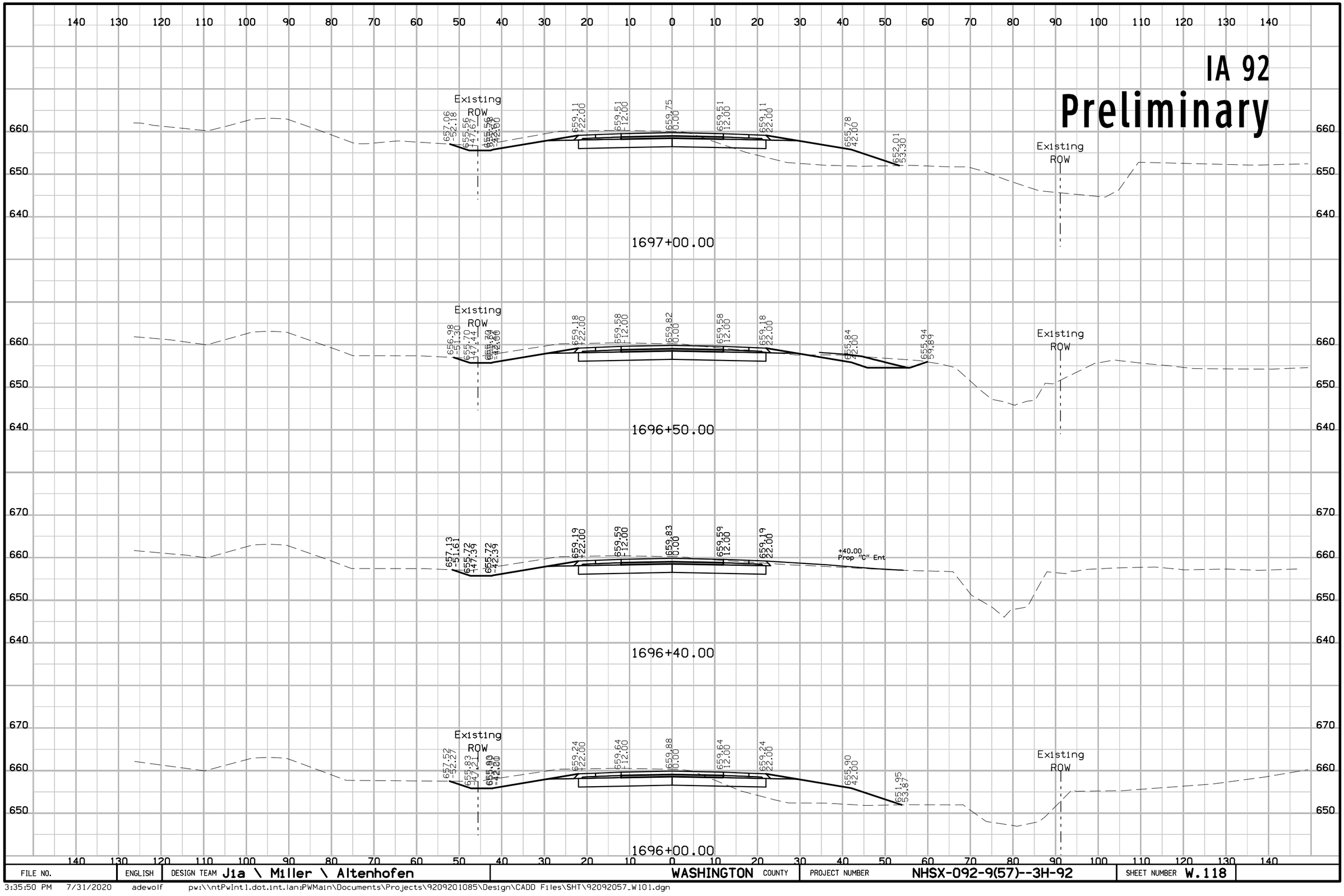
IA 92

Preliminary



FILE NO.	ENGLISH	DESIGN TEAM J1a \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.118

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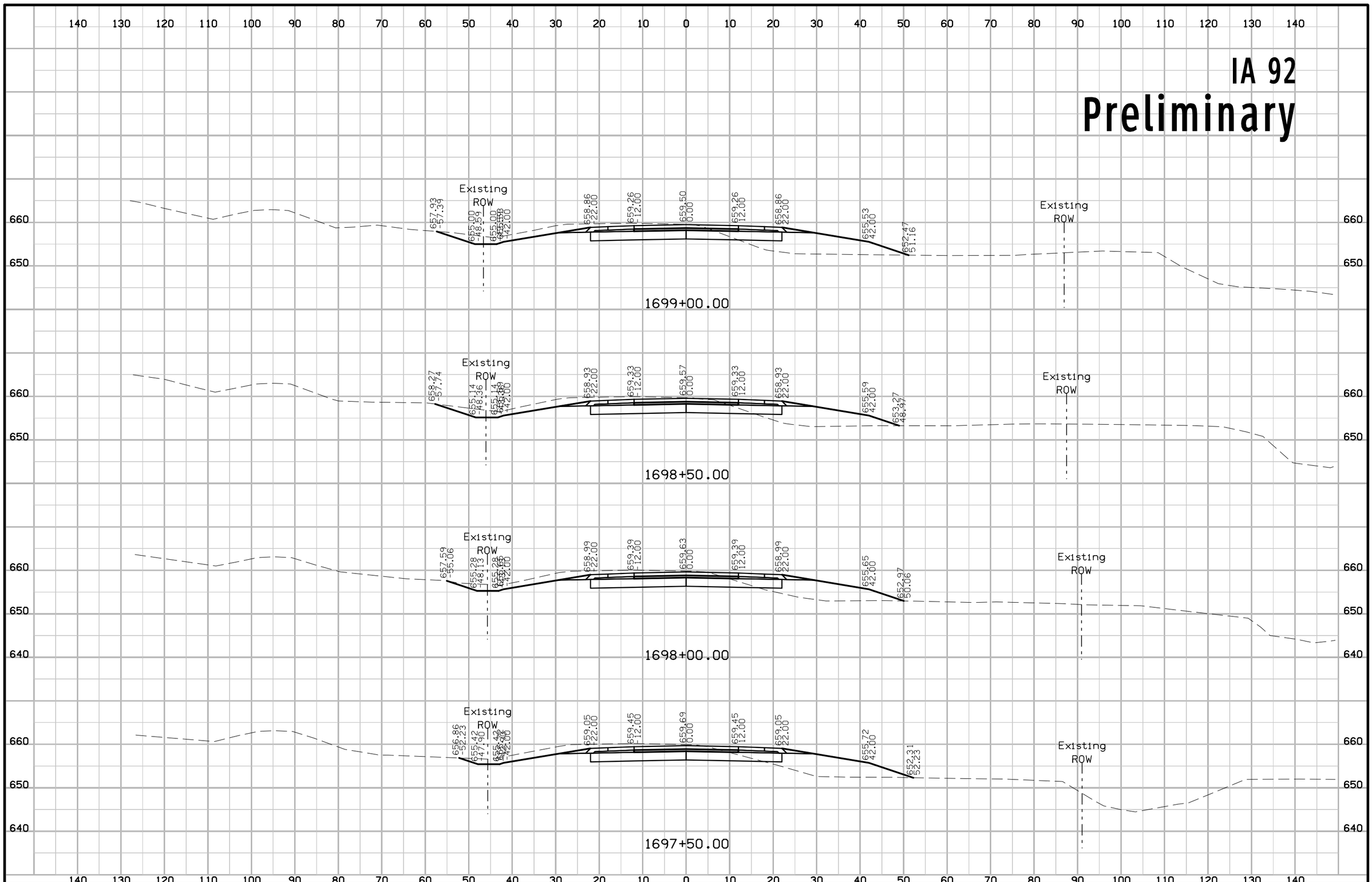
IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM J1a \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.119

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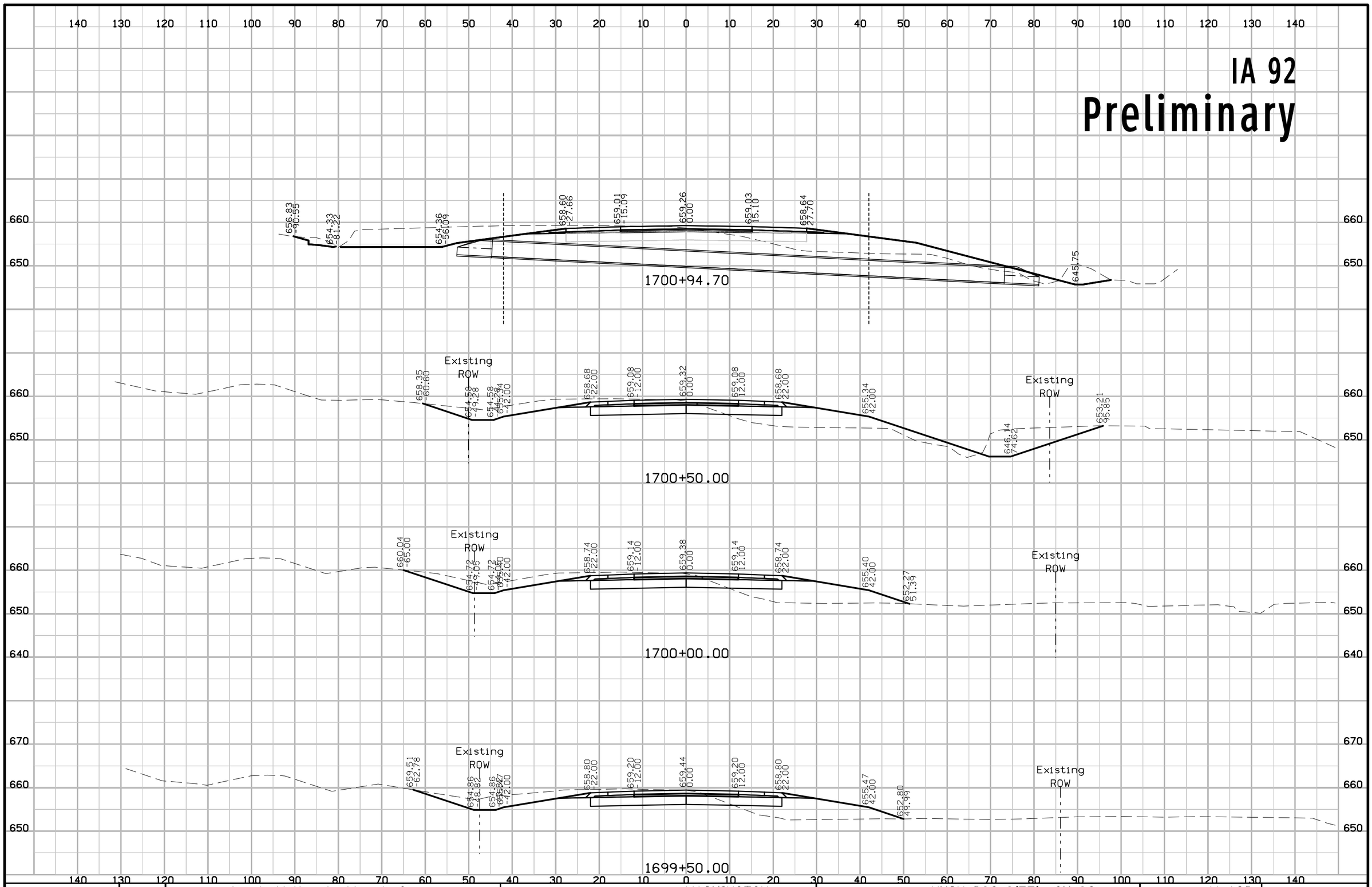
IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM J1a \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.120

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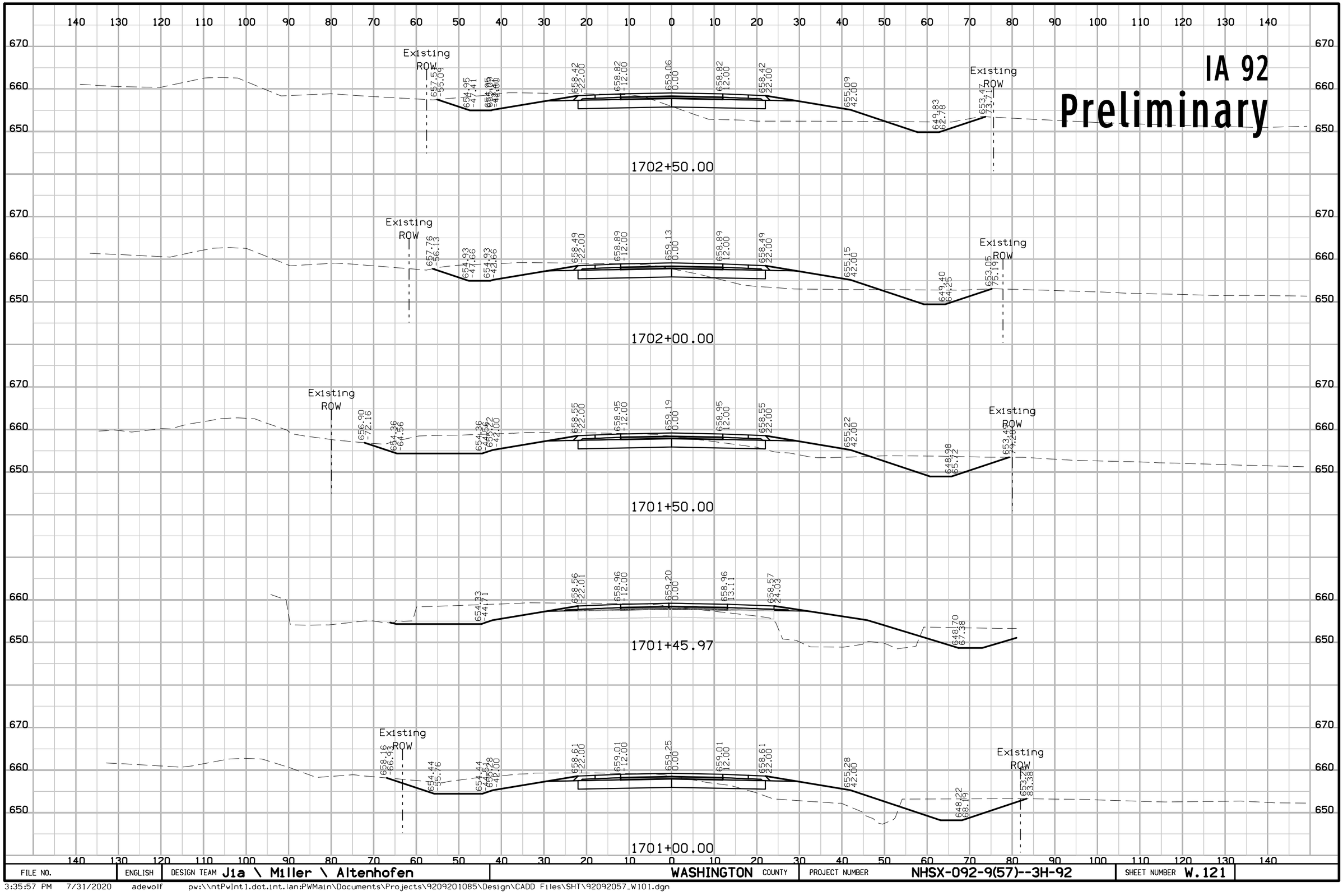
IA 92

Preliminary



FILE NO.	ENGLISH	DESIGN TEAM J1a \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.121

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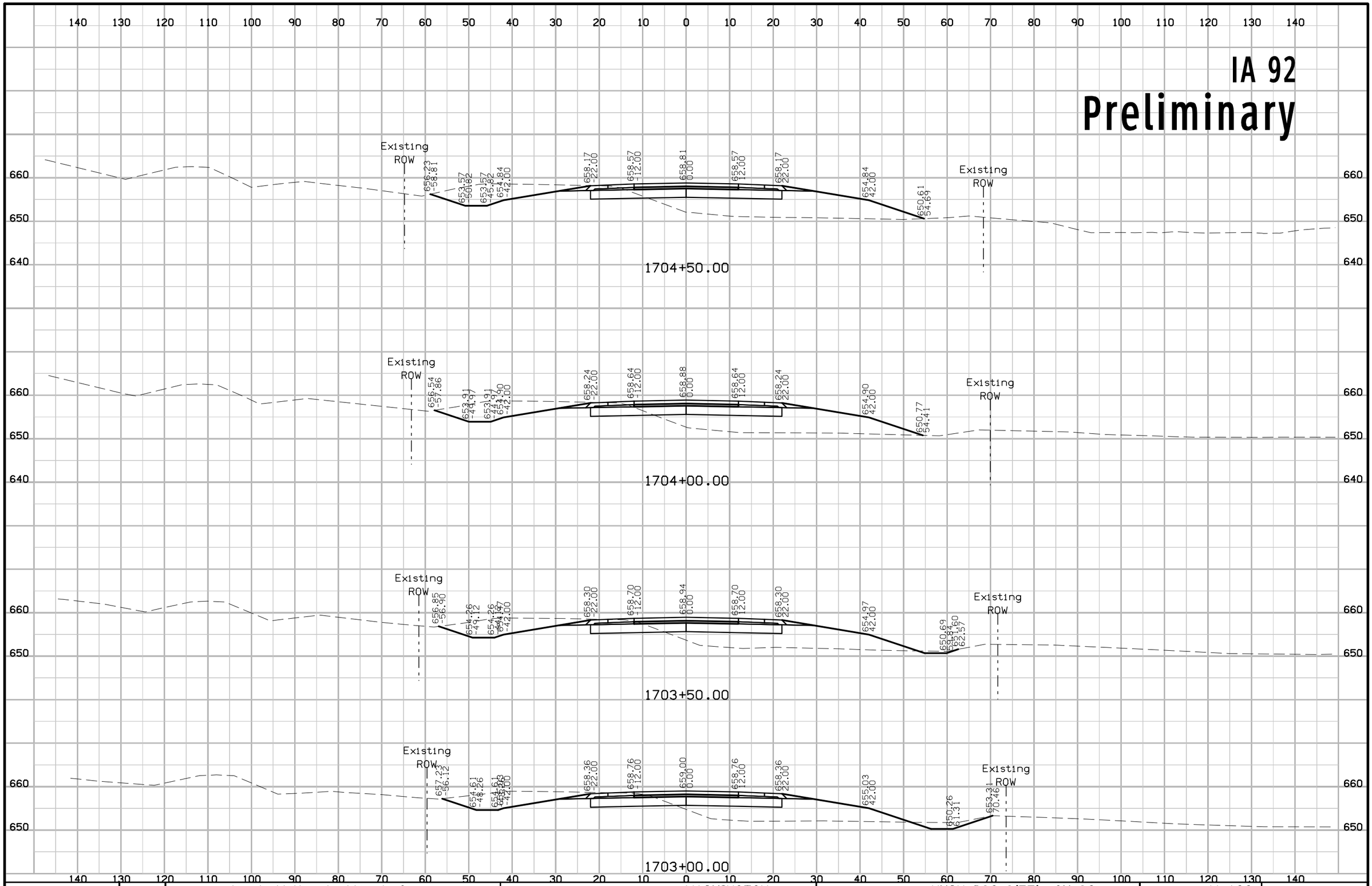
IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM J1a \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.122

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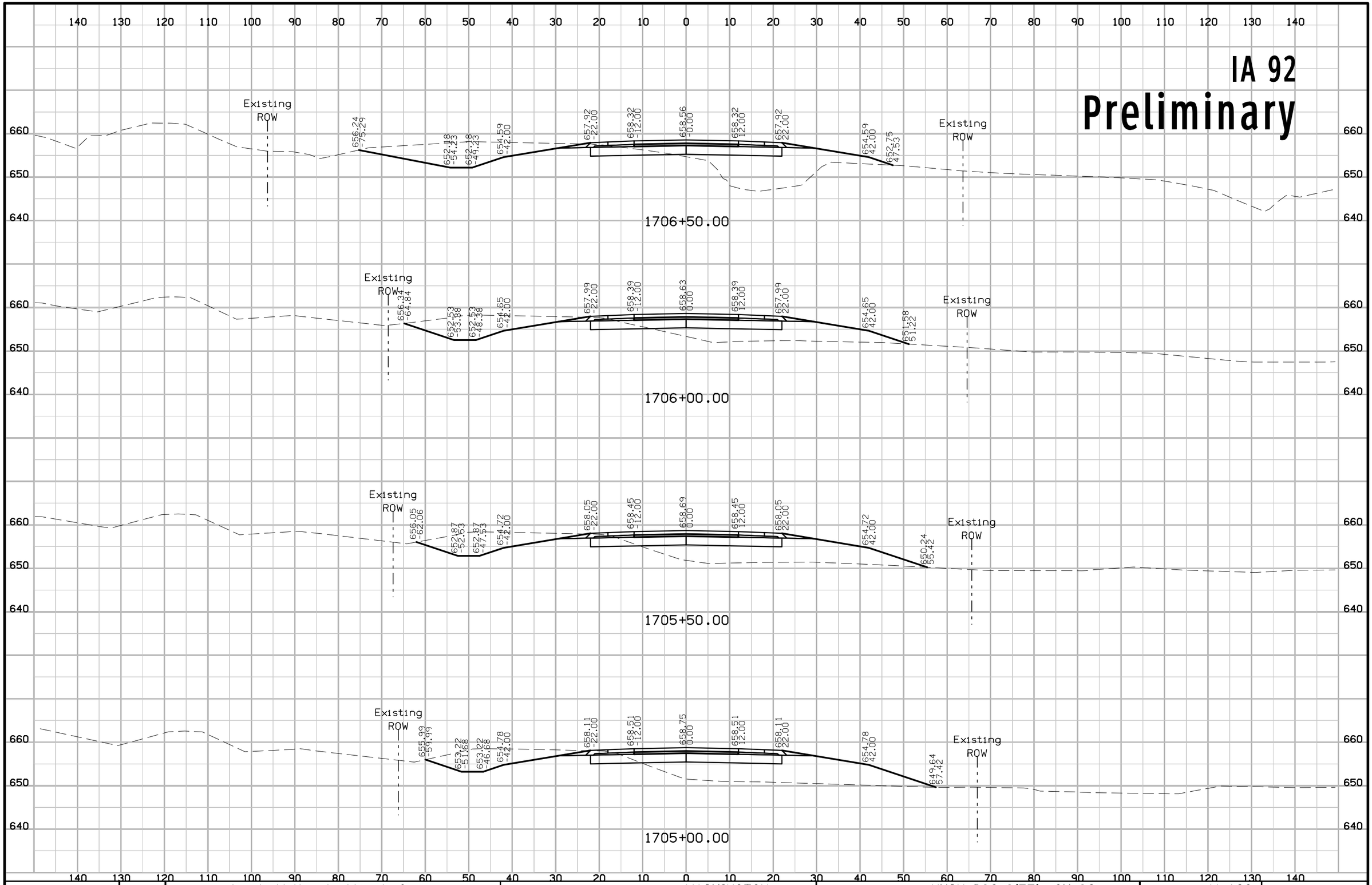
IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM J1a \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.123

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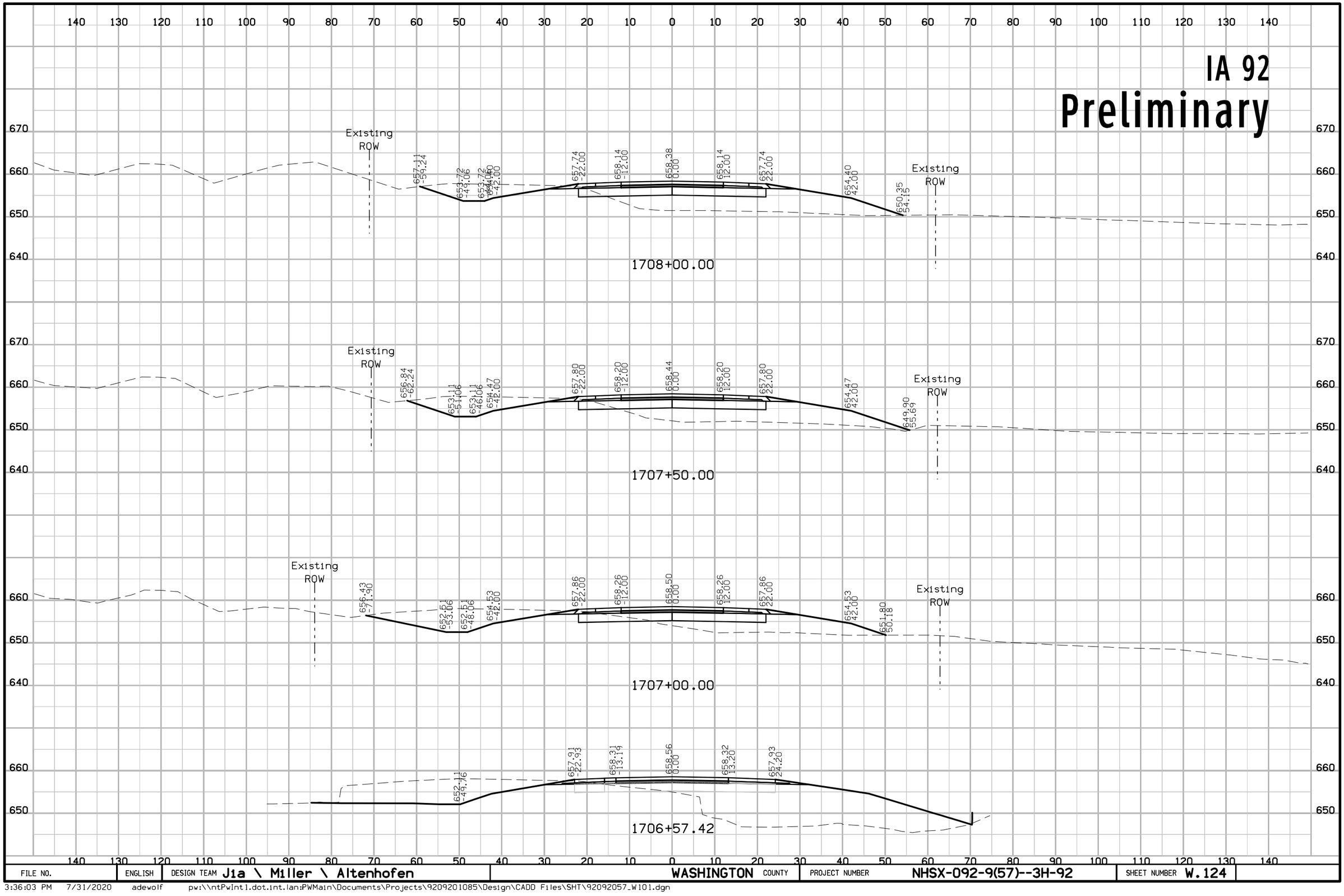
IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.124

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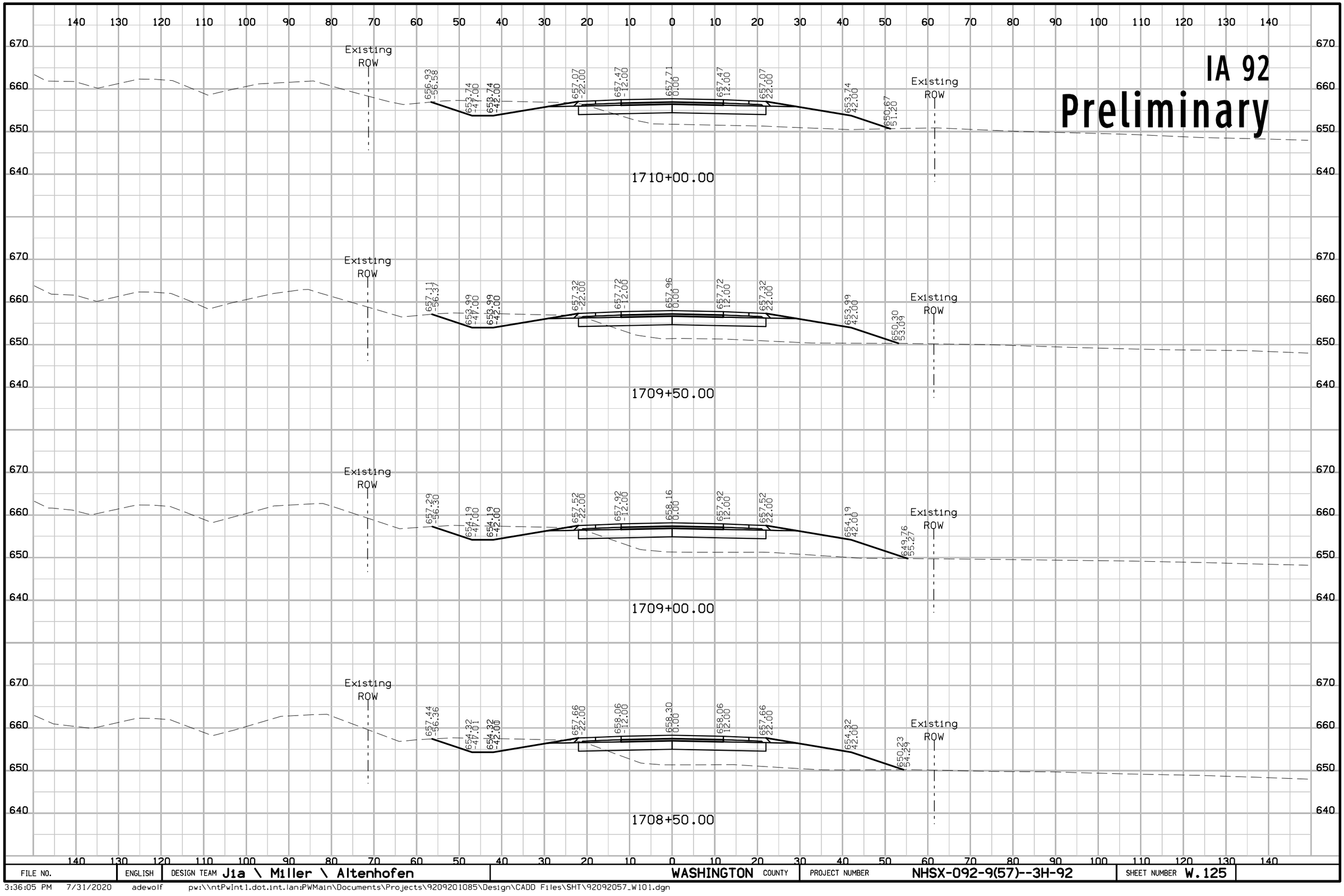
IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM J1a \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.125

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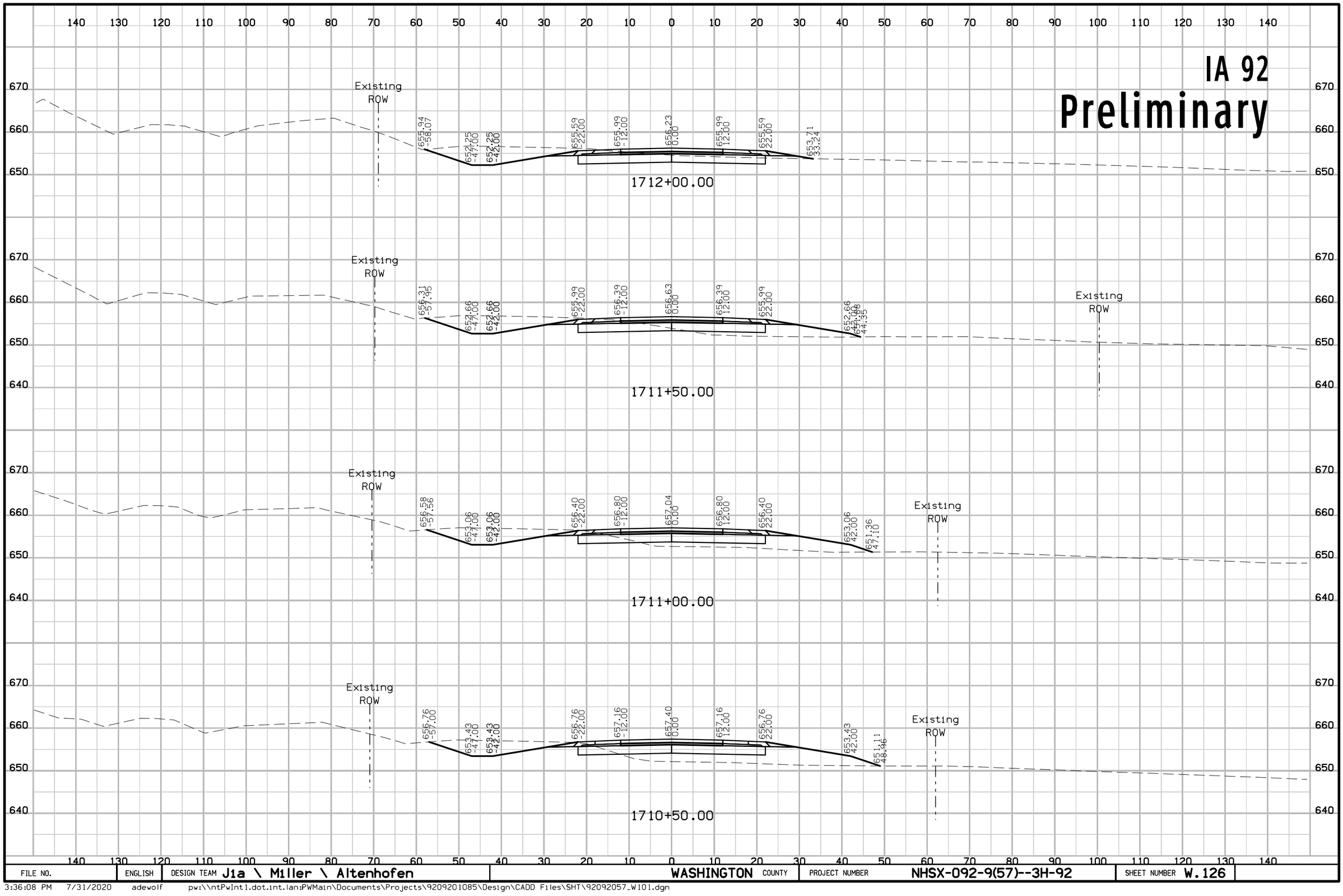
IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM J1a \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.126

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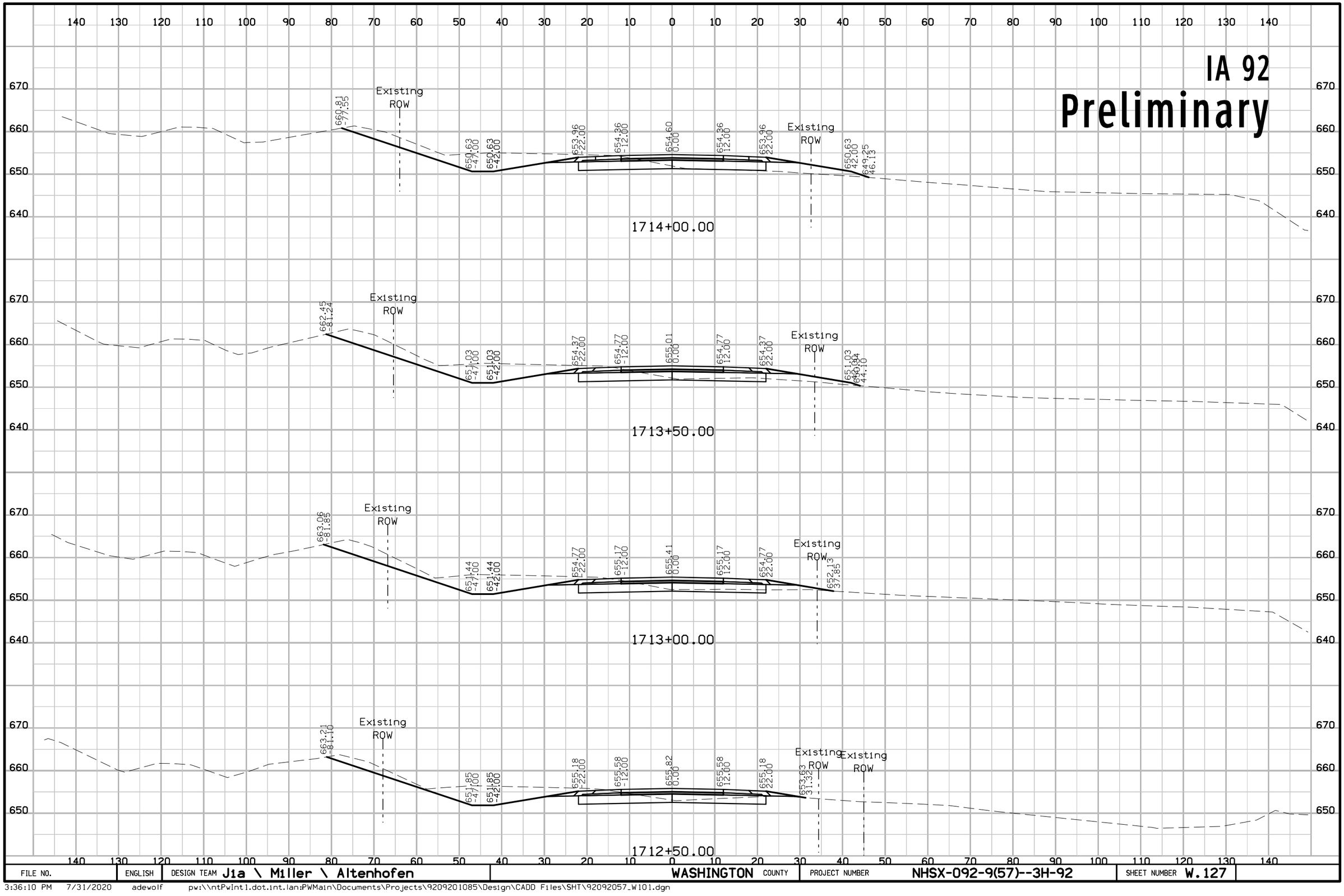
IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.127

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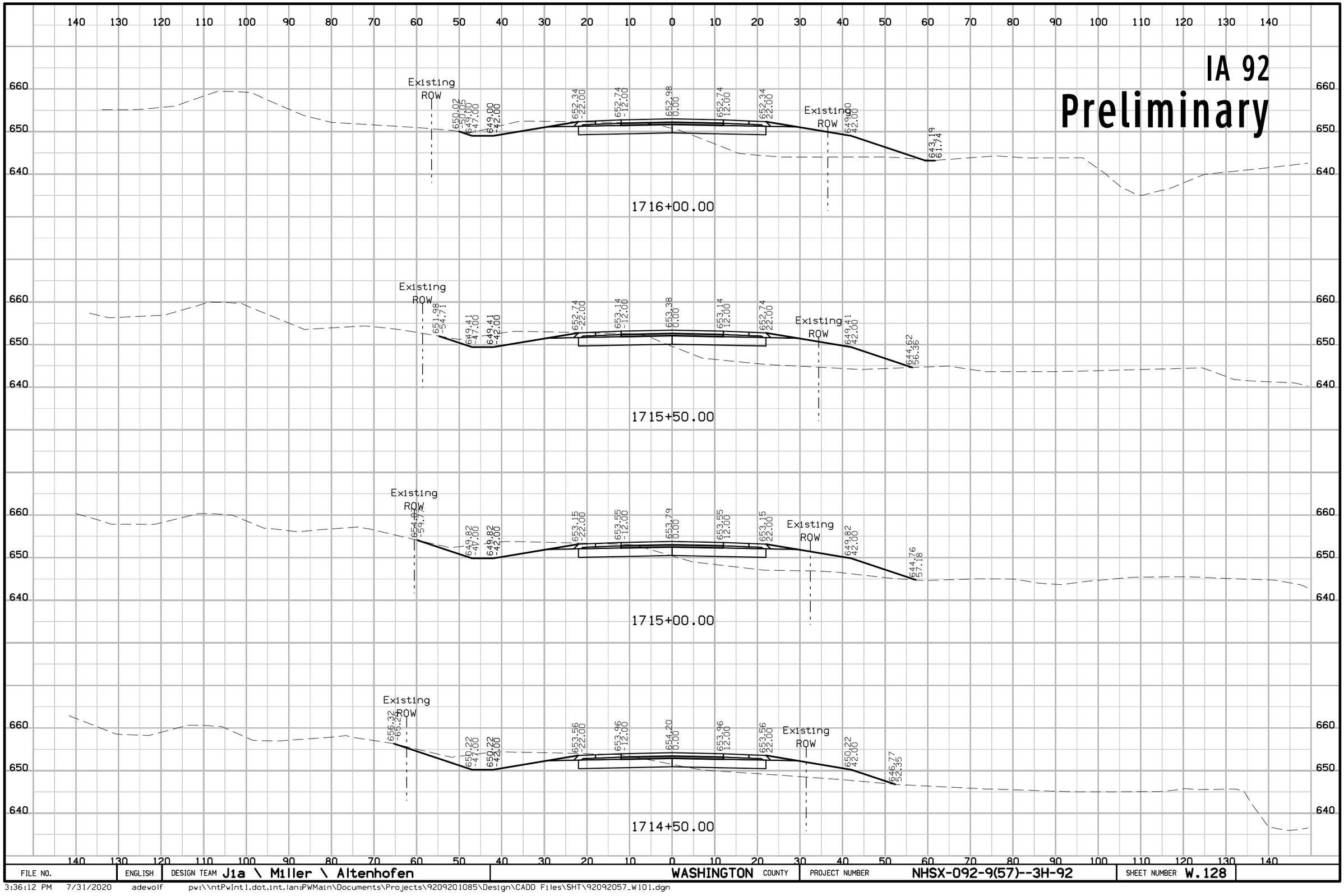
IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.128

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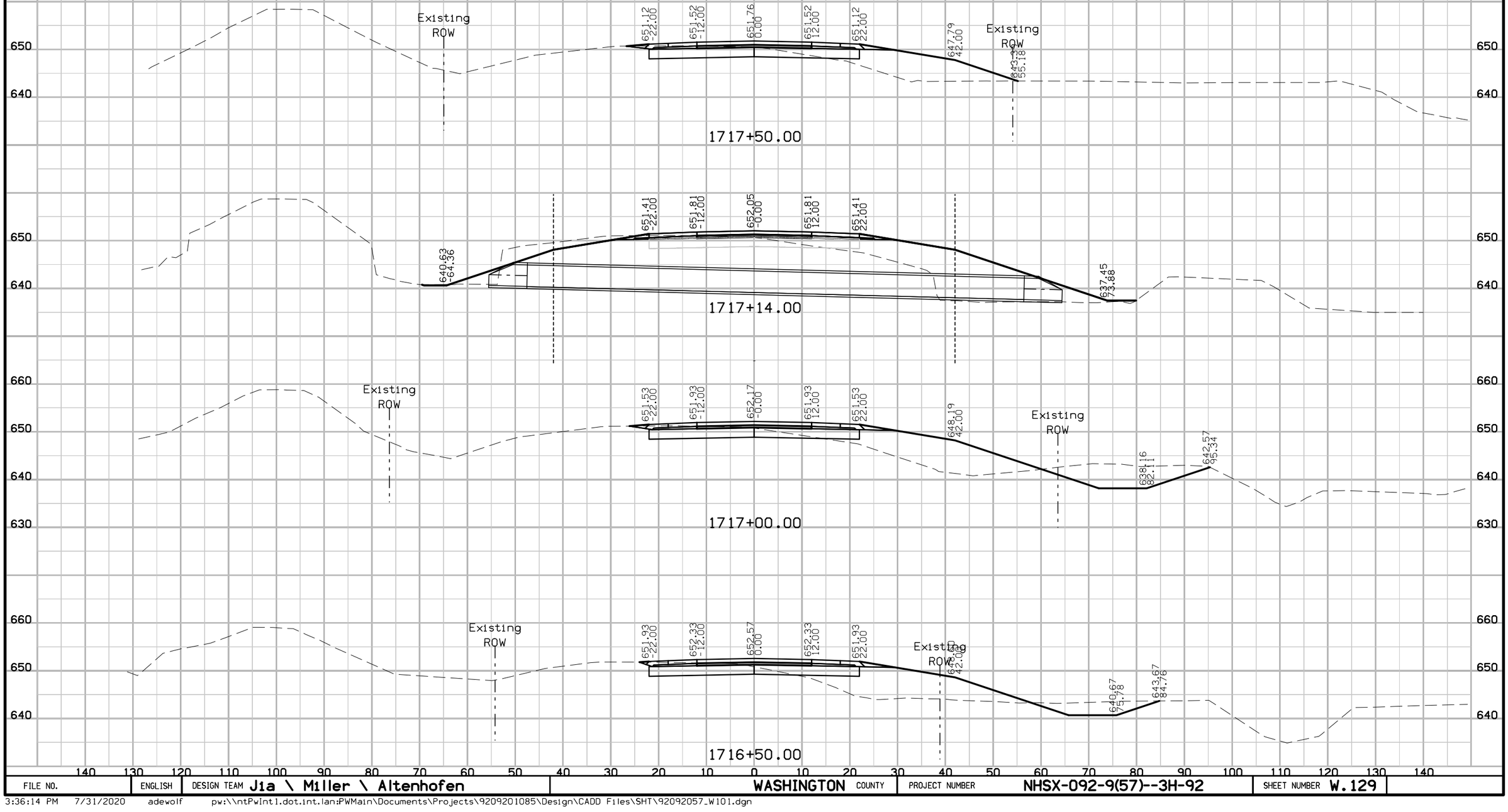
IA 92
Preliminary



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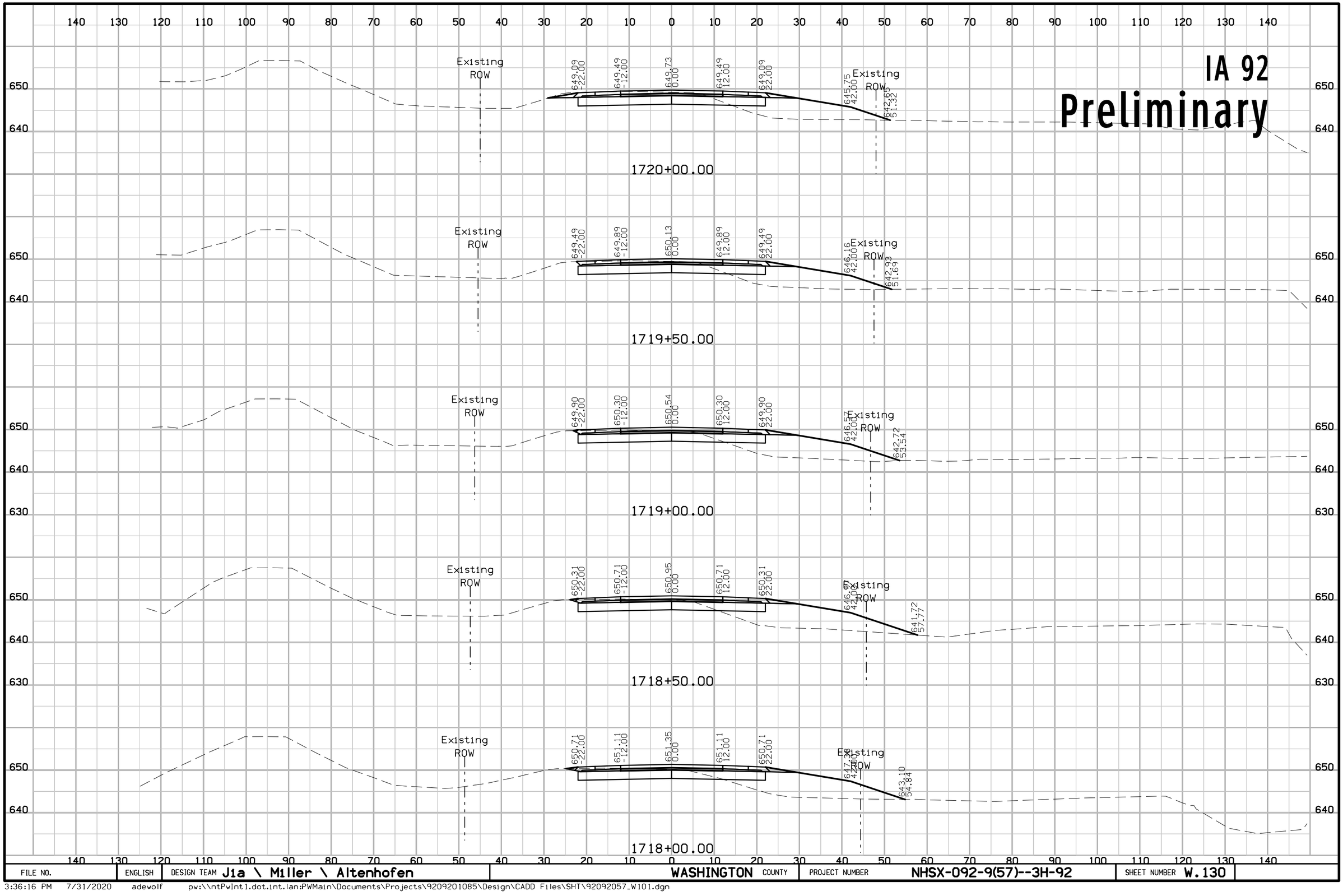
IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.130

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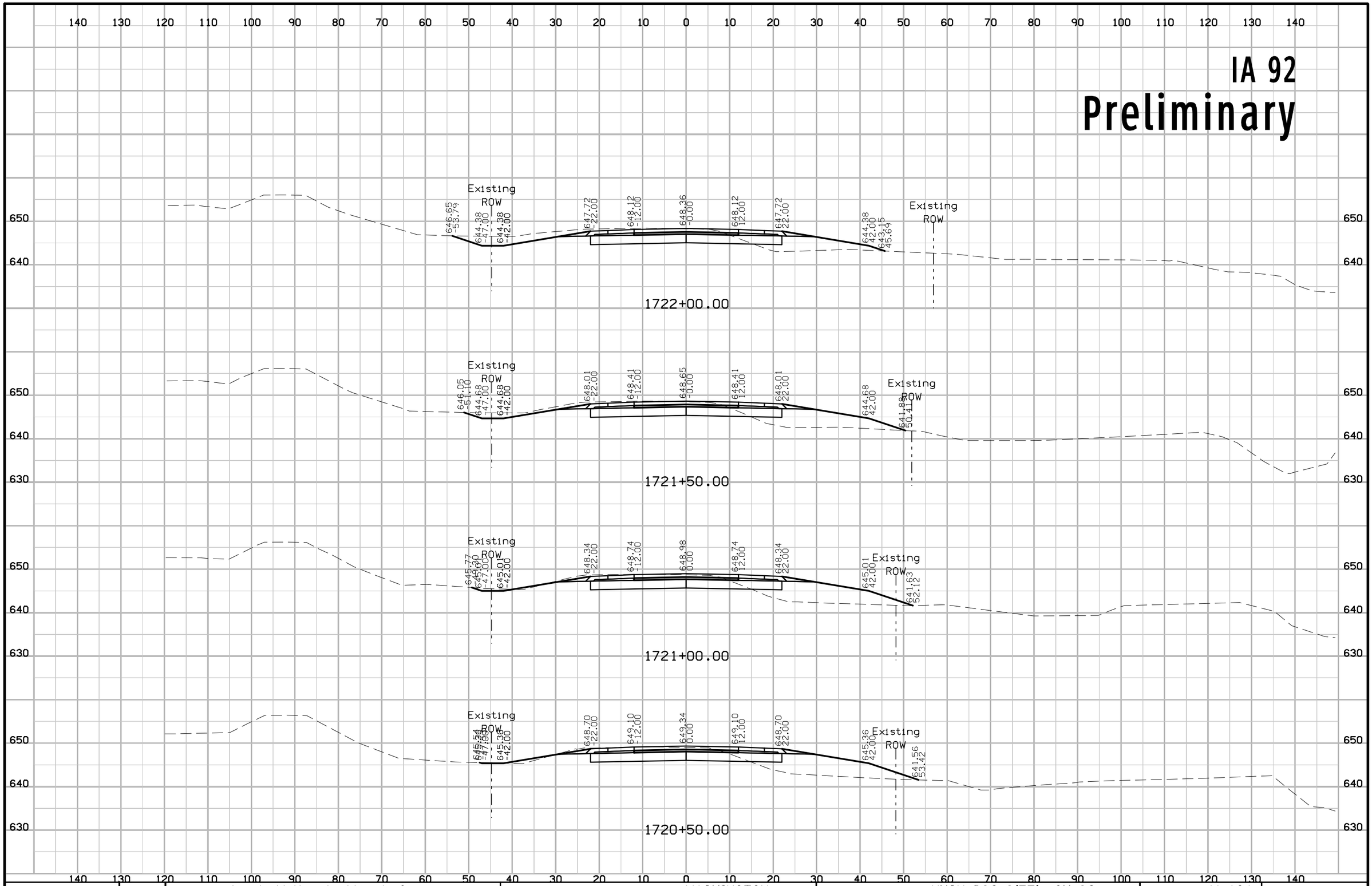
IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM J1a \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.131

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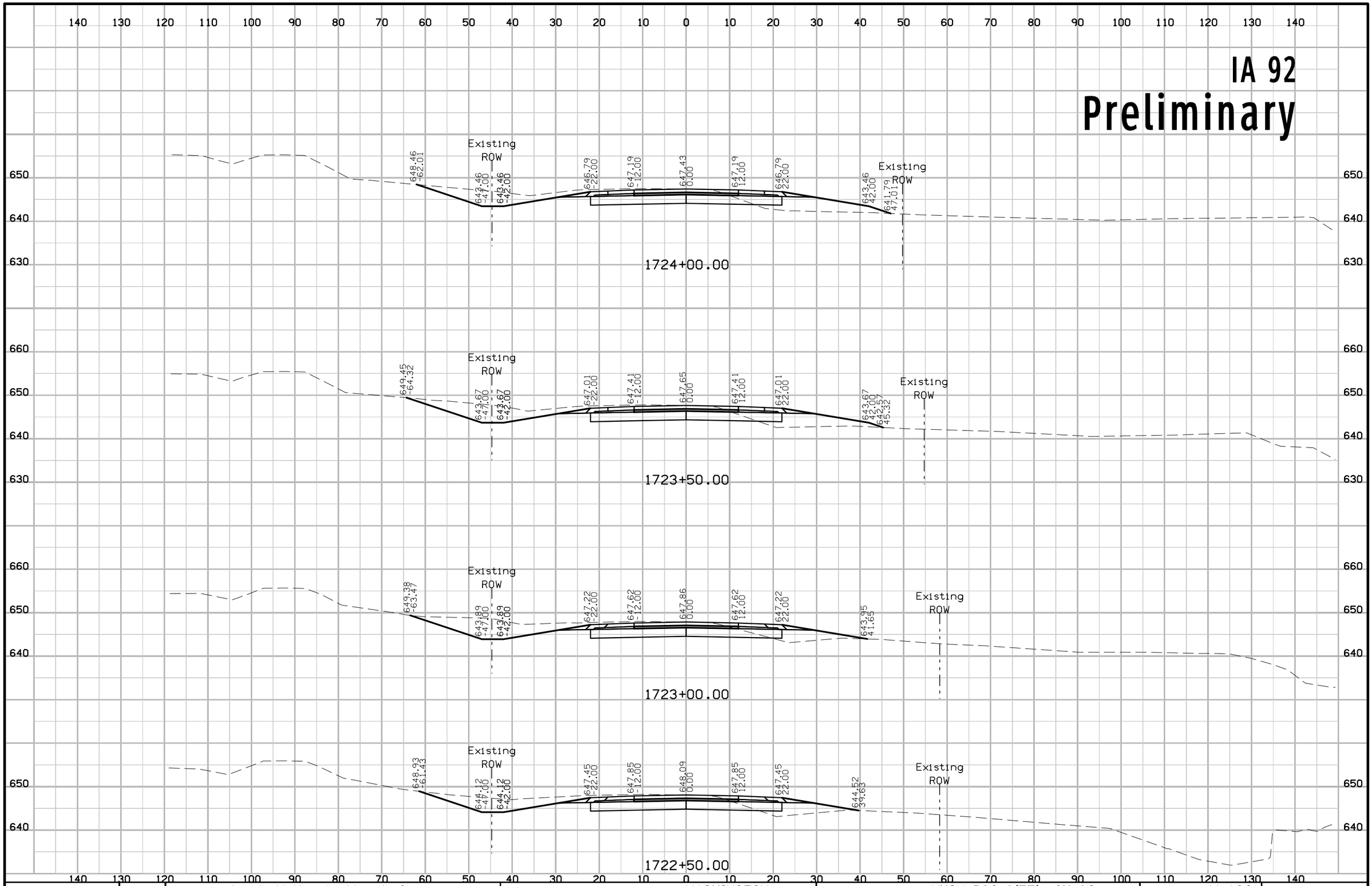
IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM J1a \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.132

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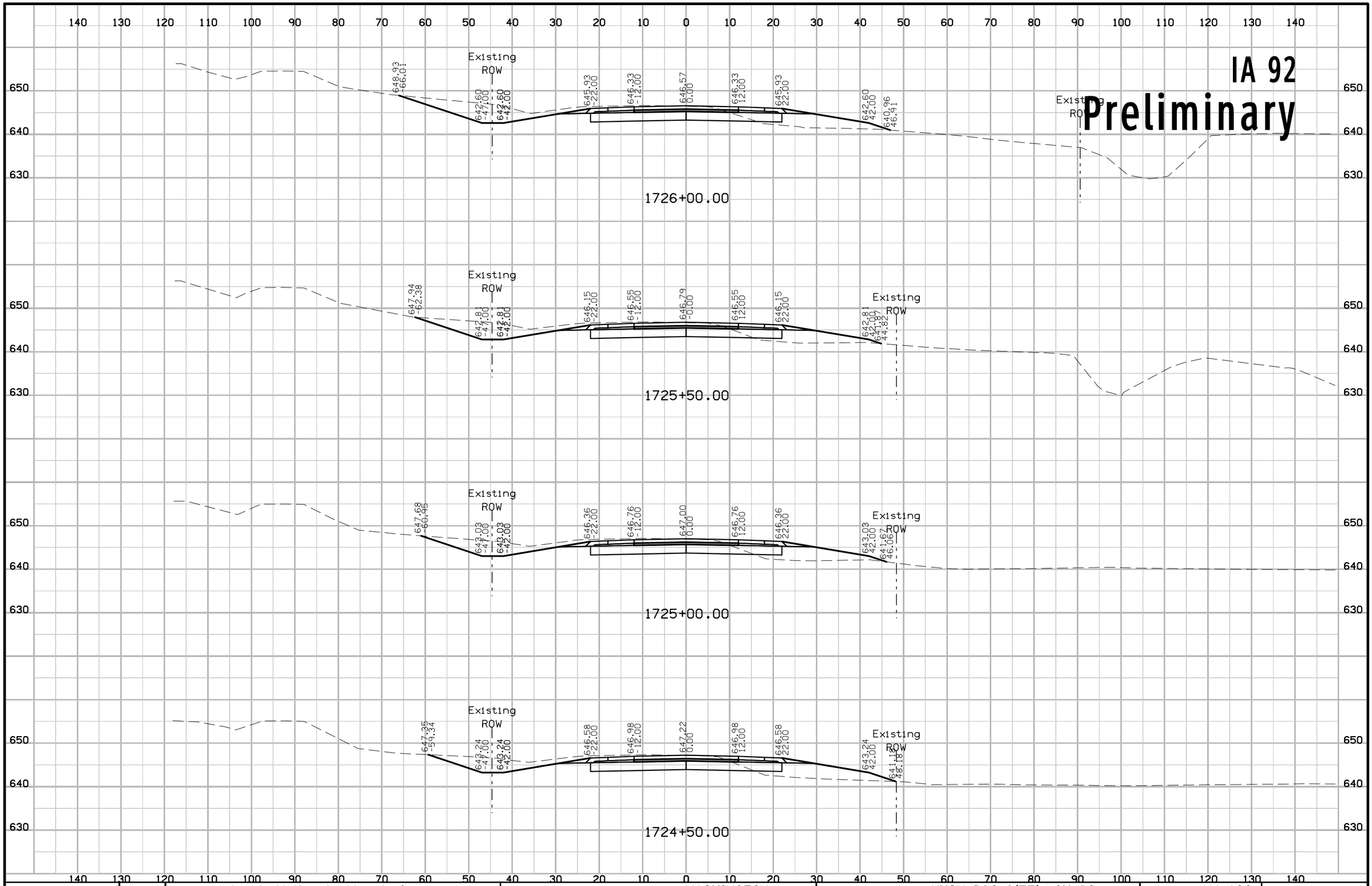
IA 92

Preliminary



FILE NO.	ENGLISH	DESIGN TEAM J1a \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.133

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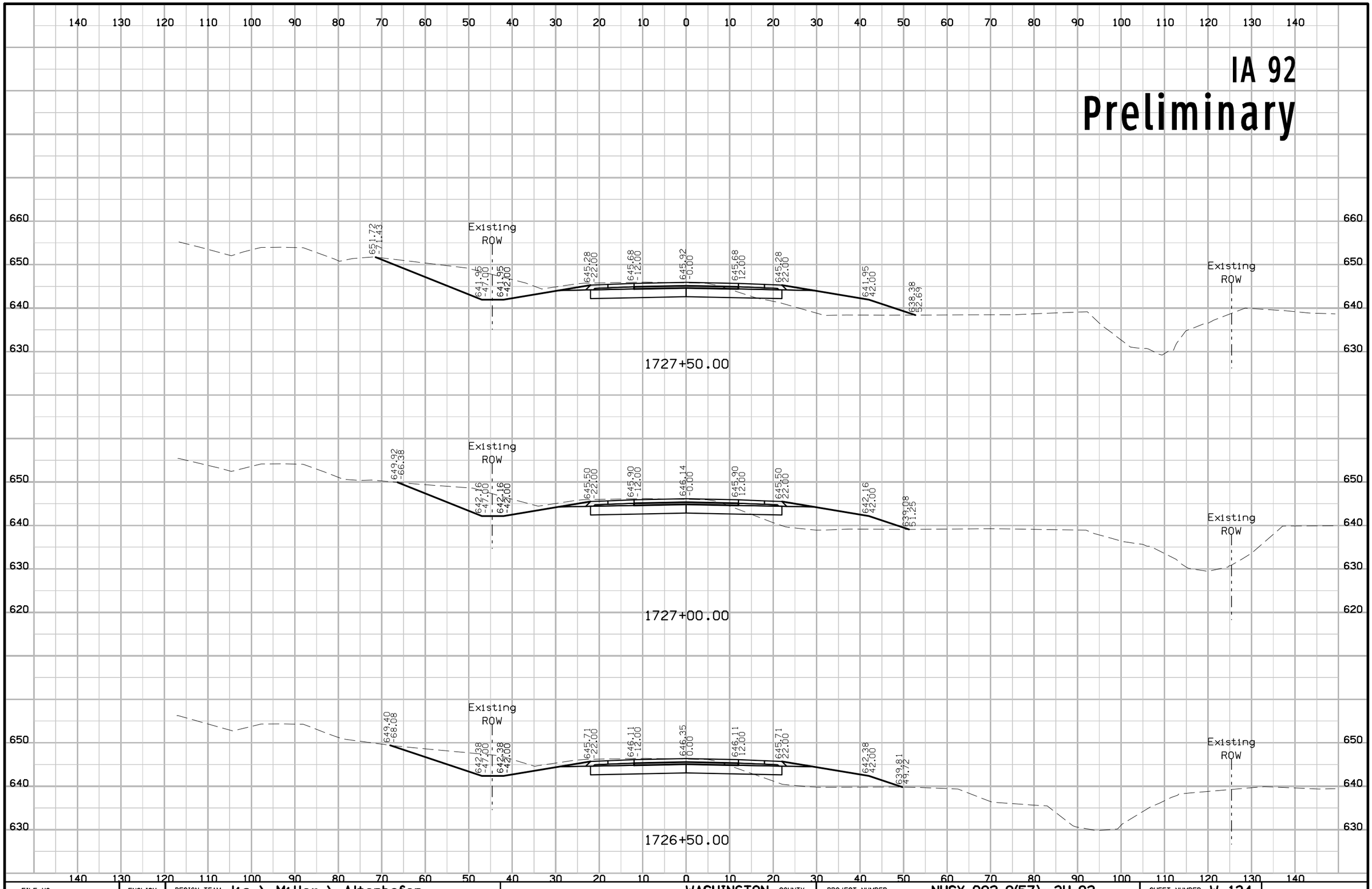
IA 92
Preliminary



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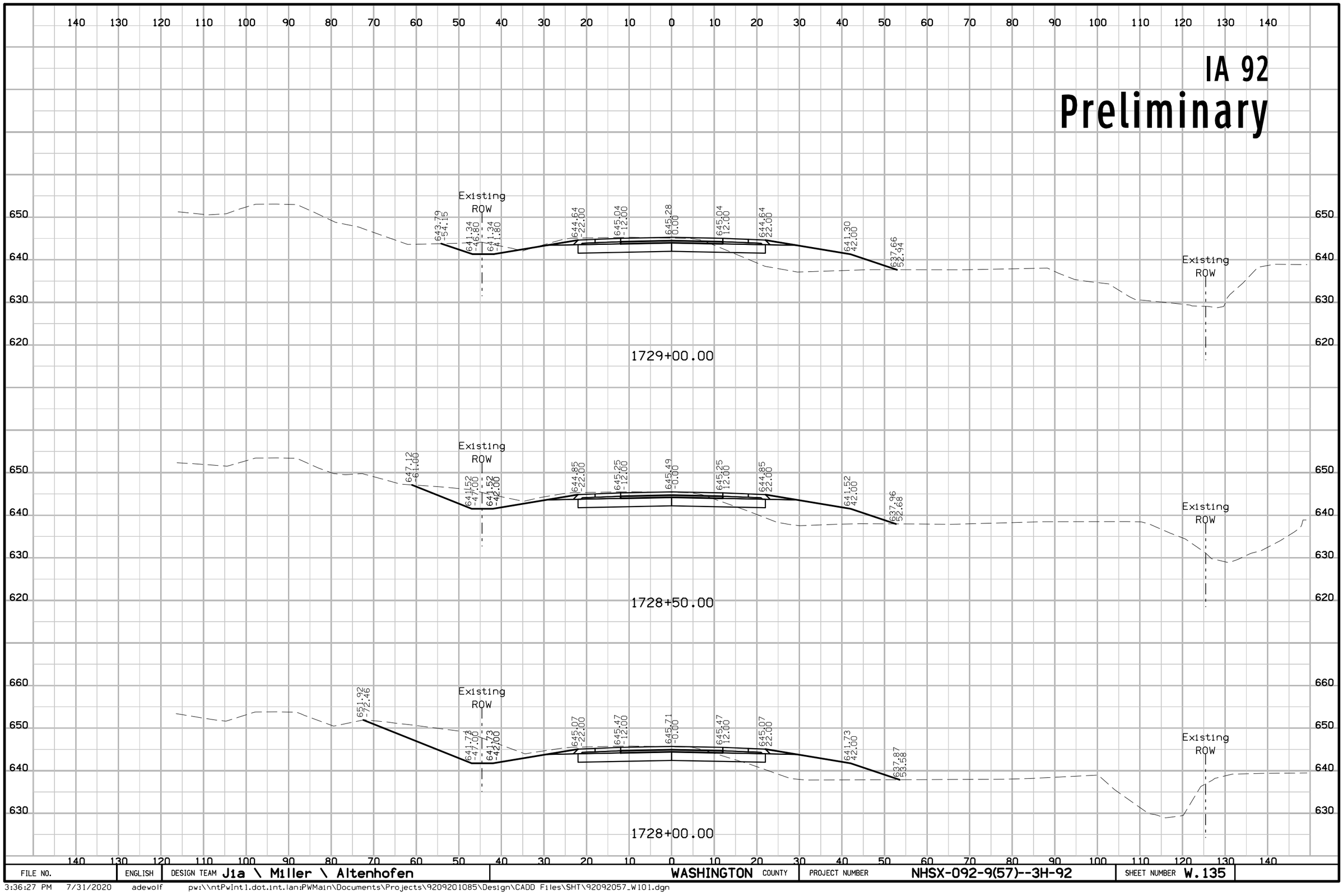
IA 92
Preliminary



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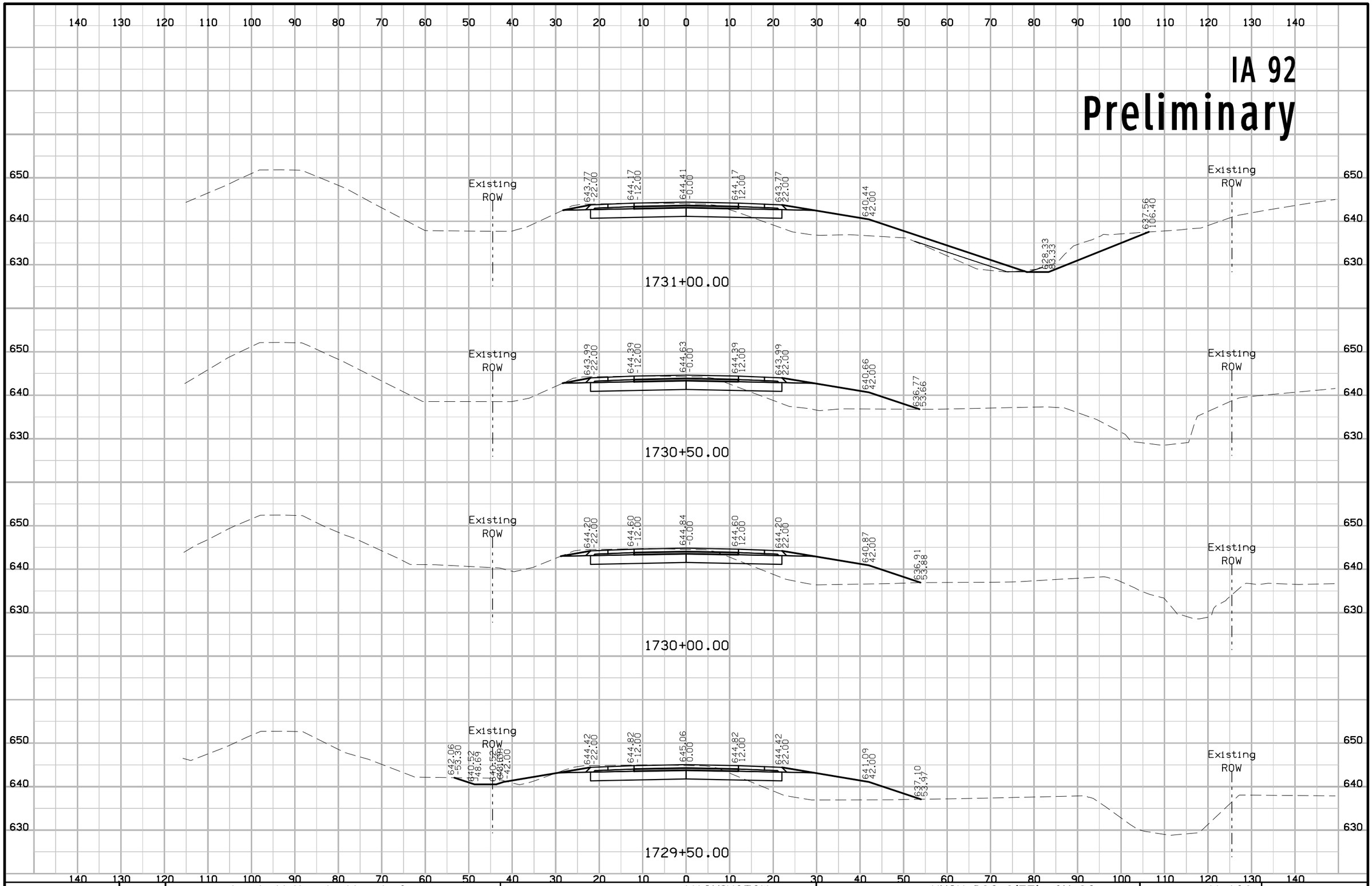
IA 92
Preliminary



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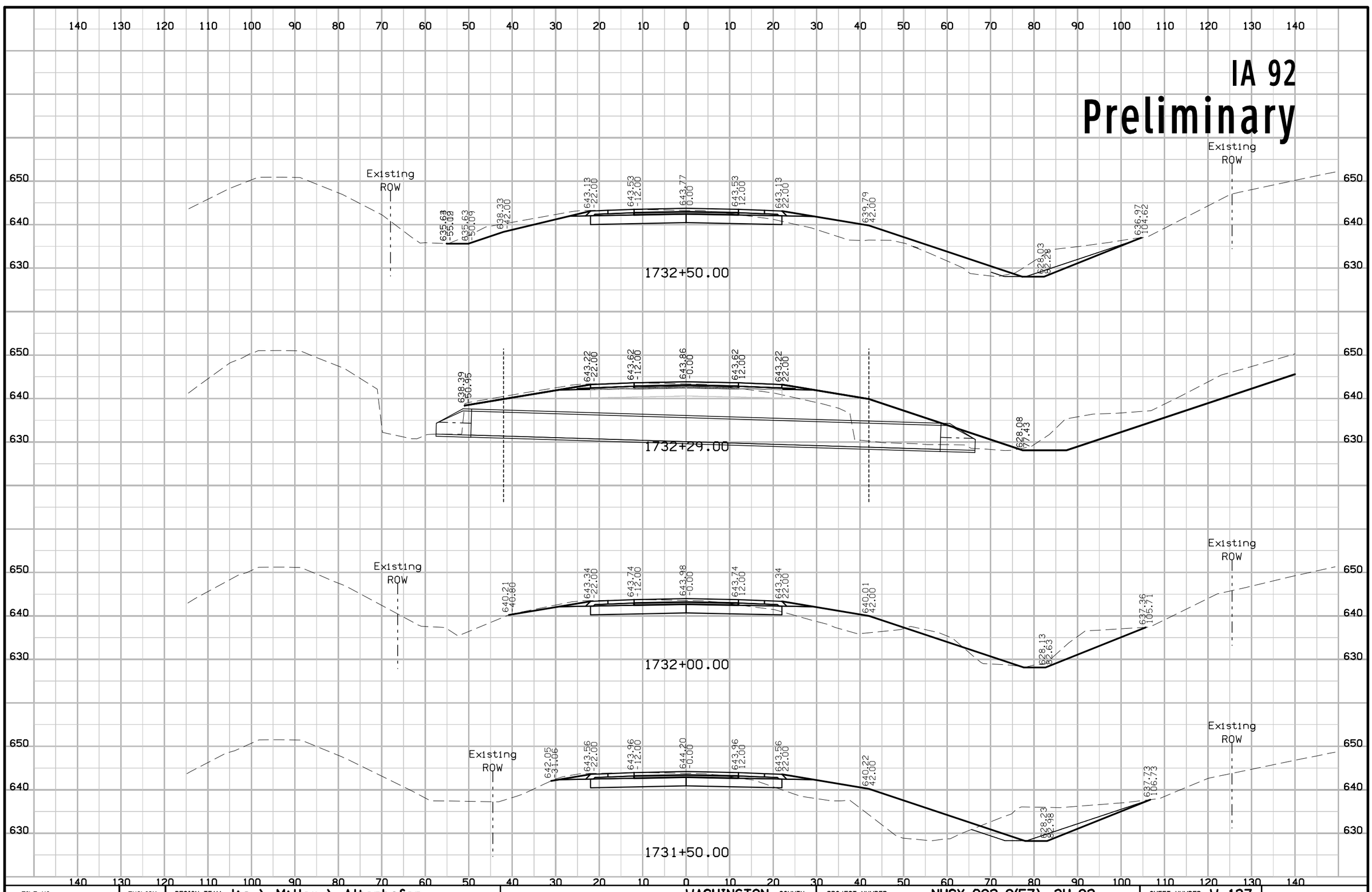
IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.137

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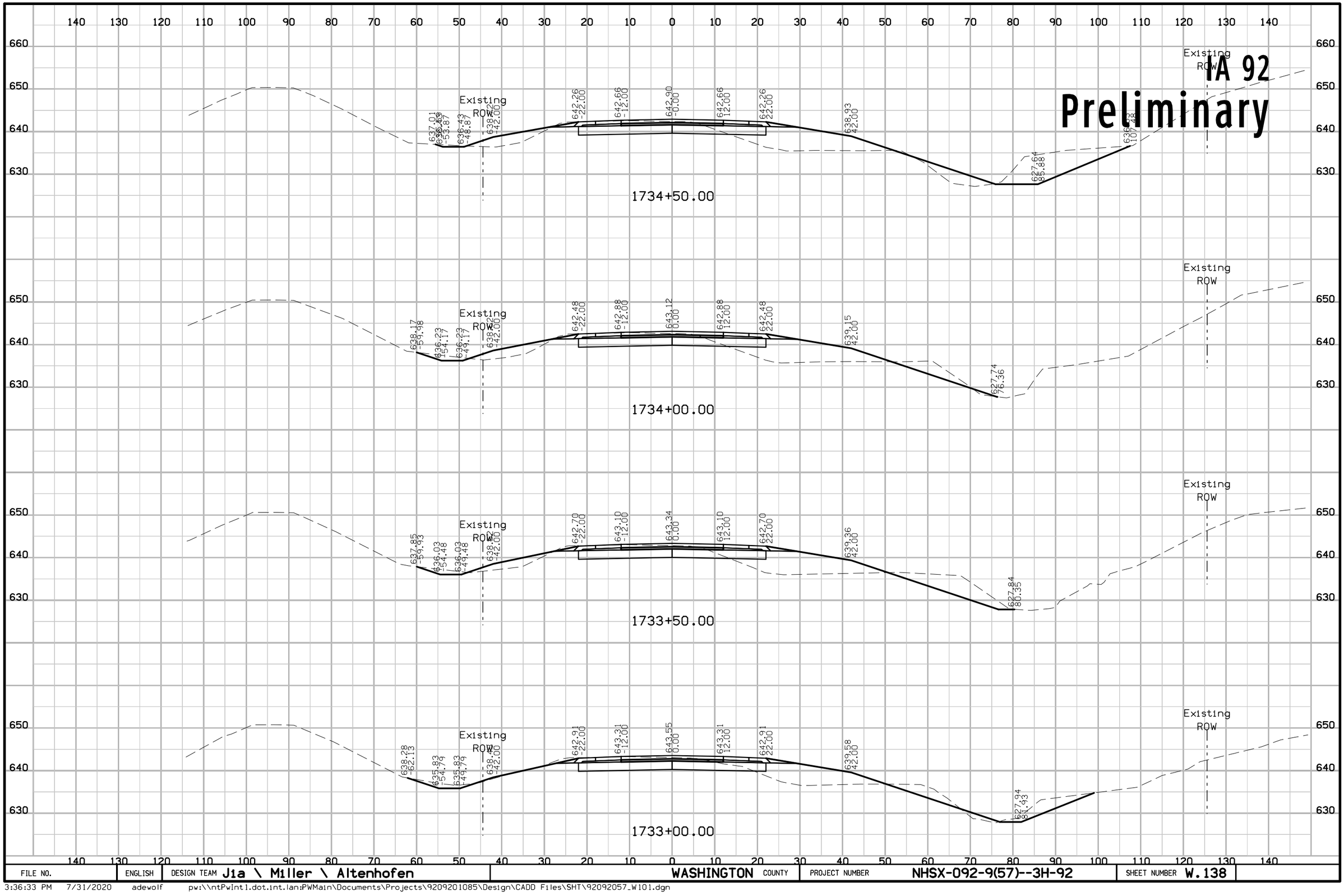
IA 92

Preliminary



FILE NO.	ENGLISH	DESIGN TEAM J1a \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.138

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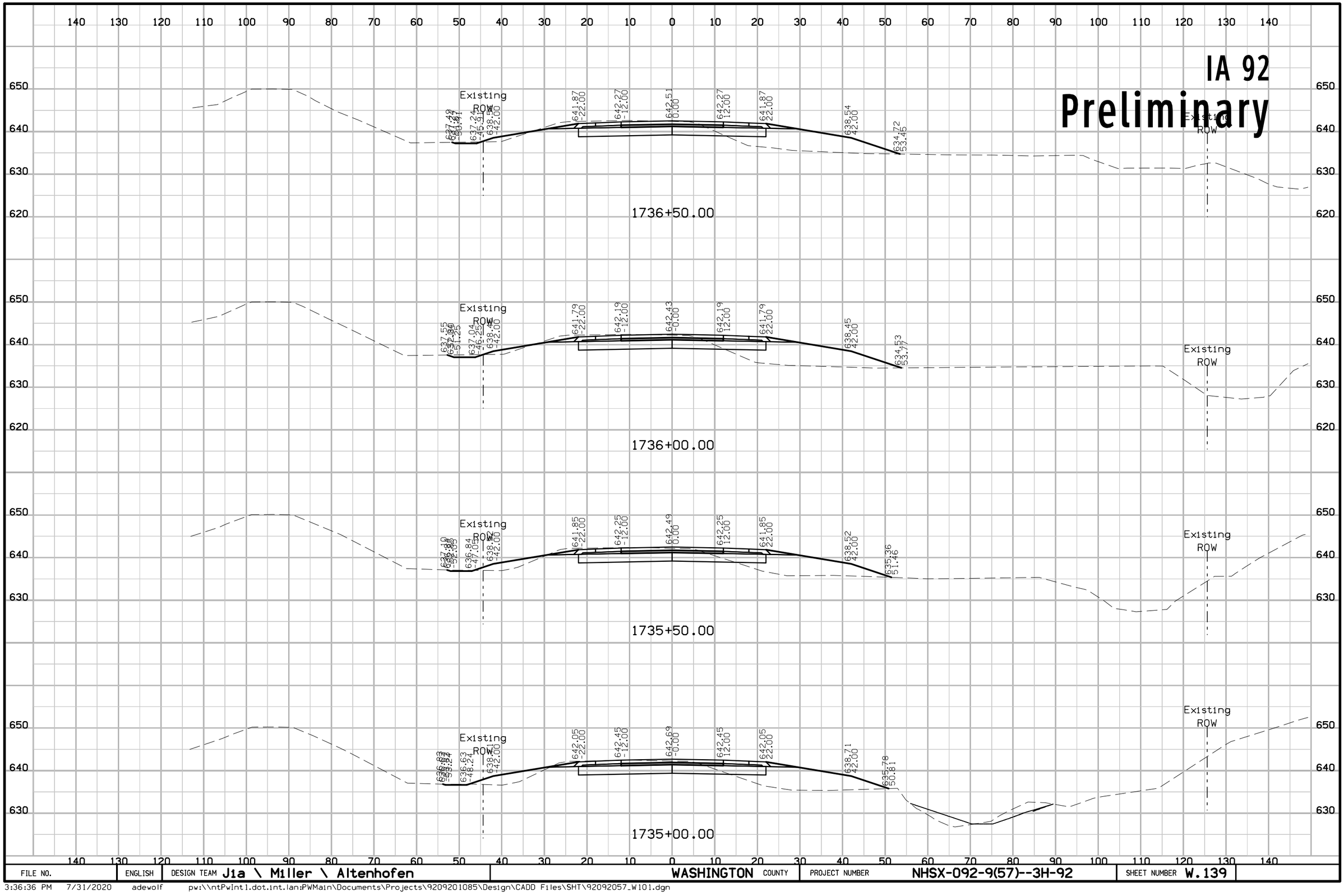
IA 92
Preliminary



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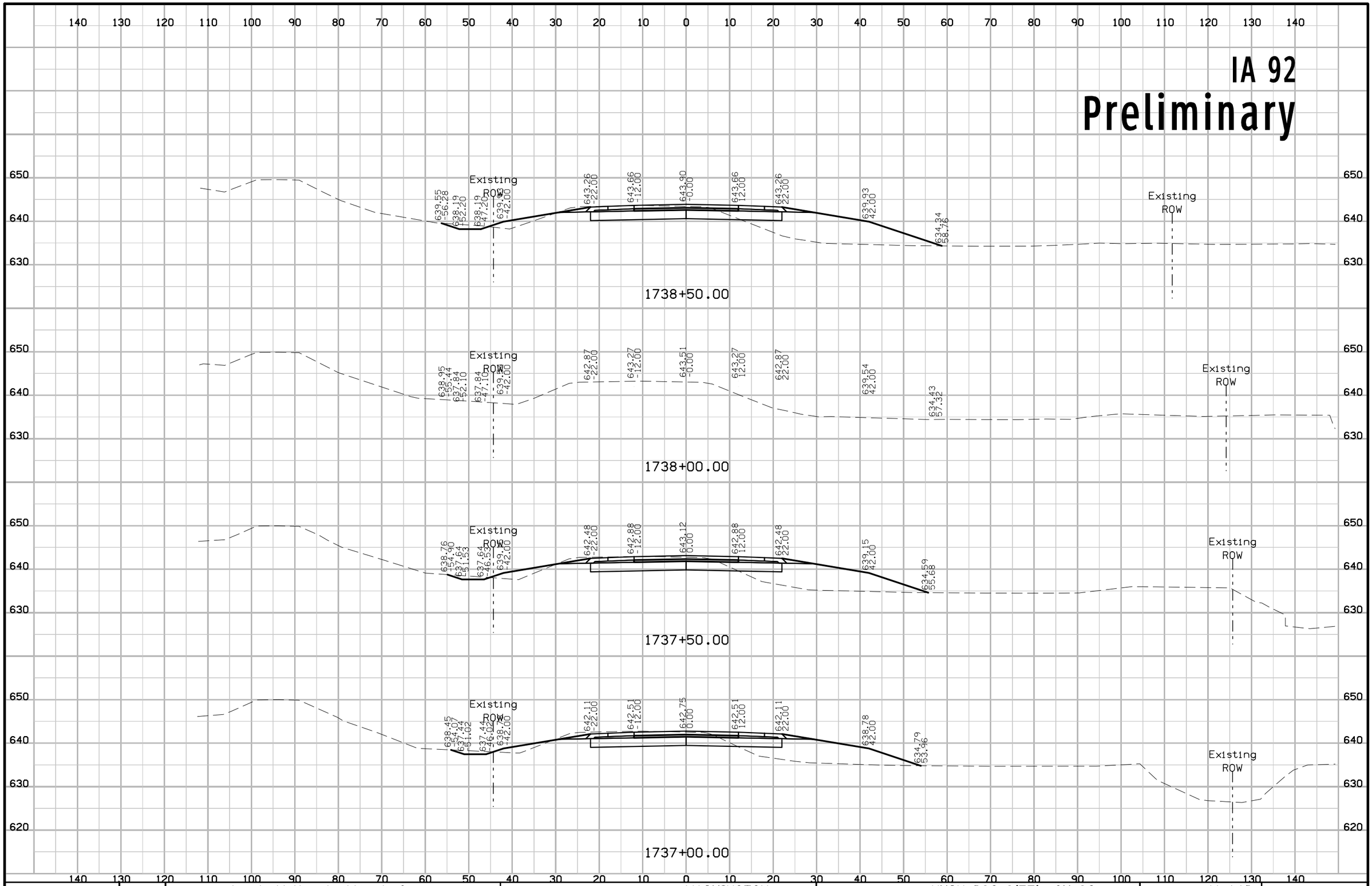
IA 92
Preliminary



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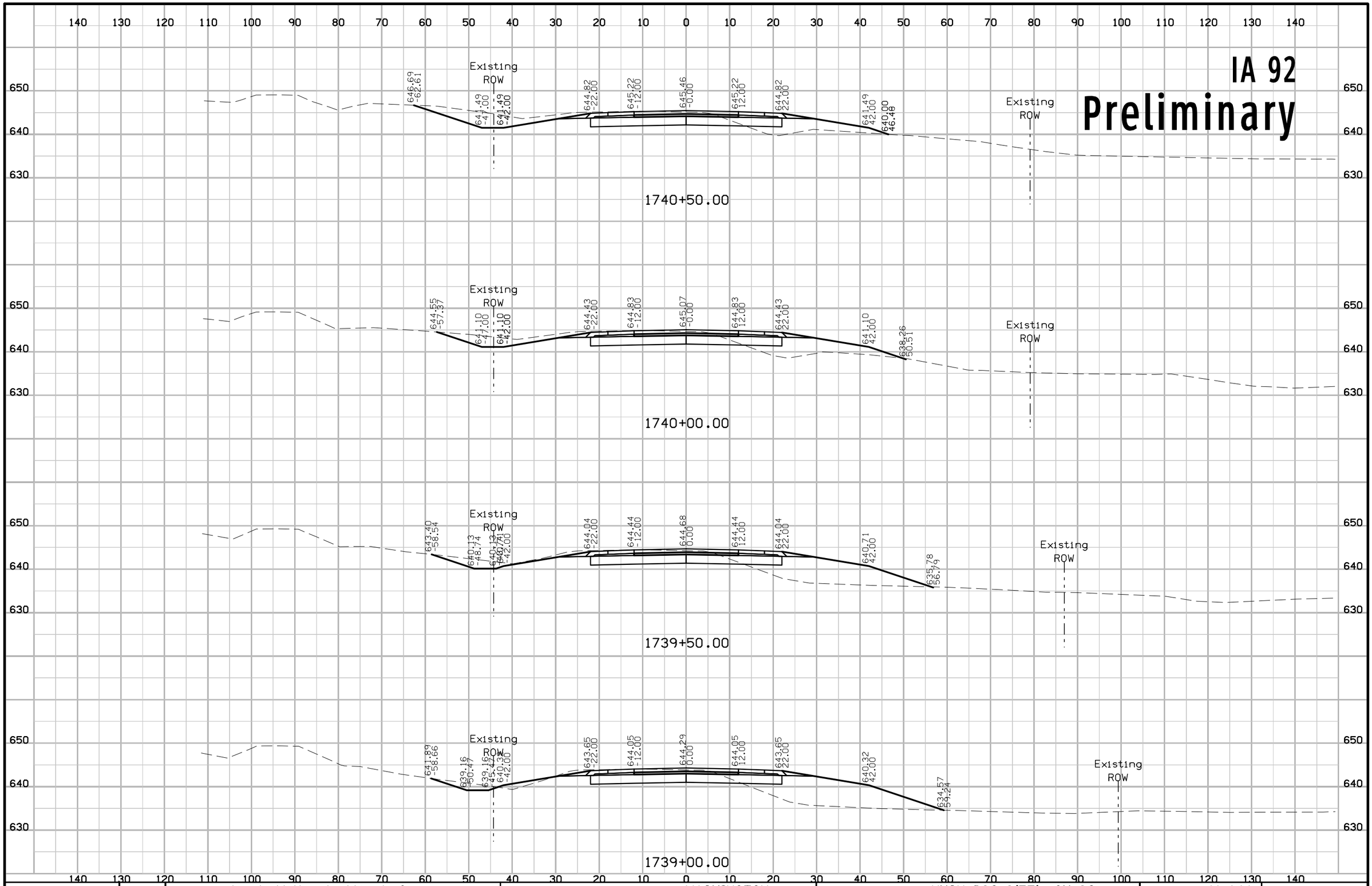
IA 92
Preliminary



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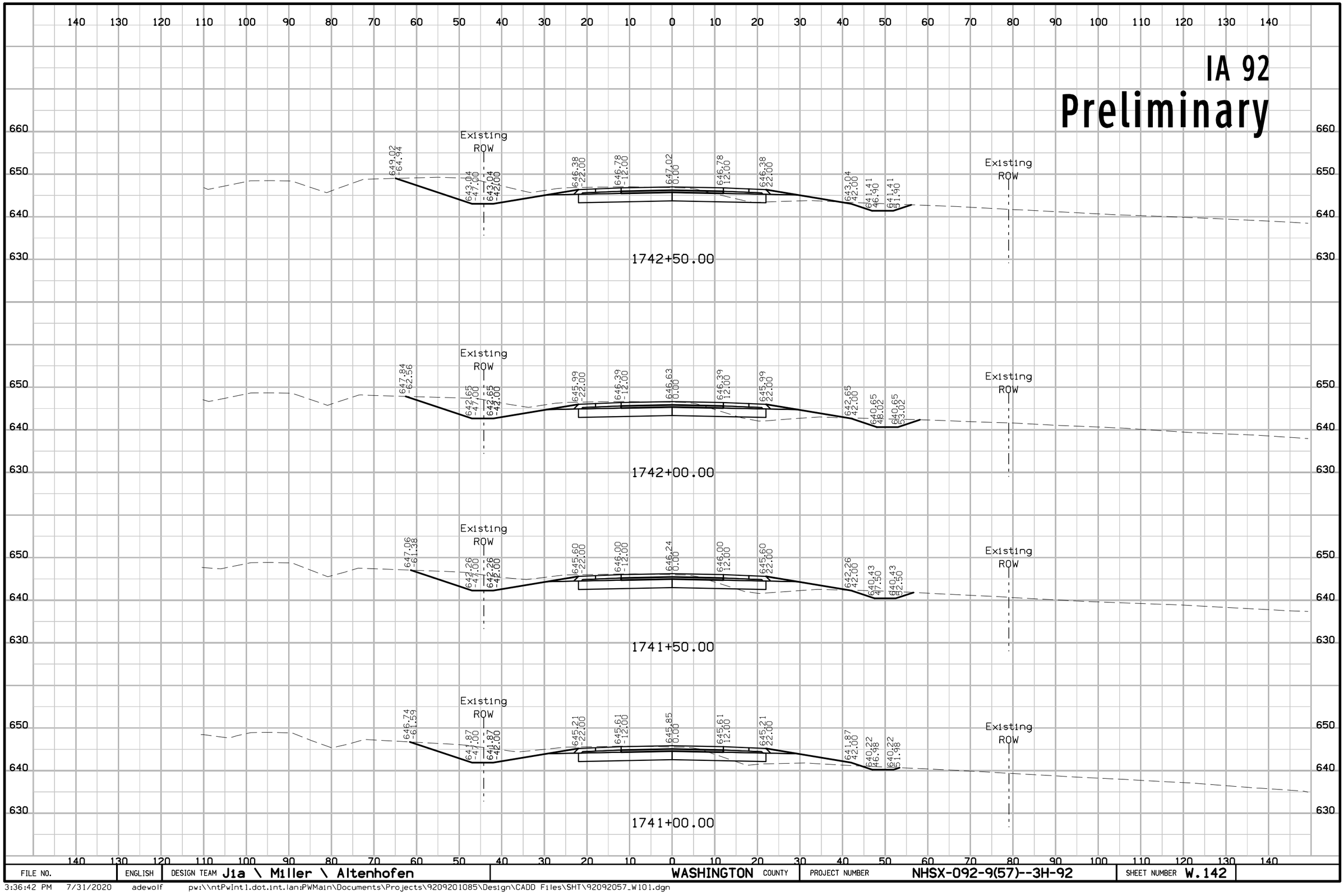
IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM J1a \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.142

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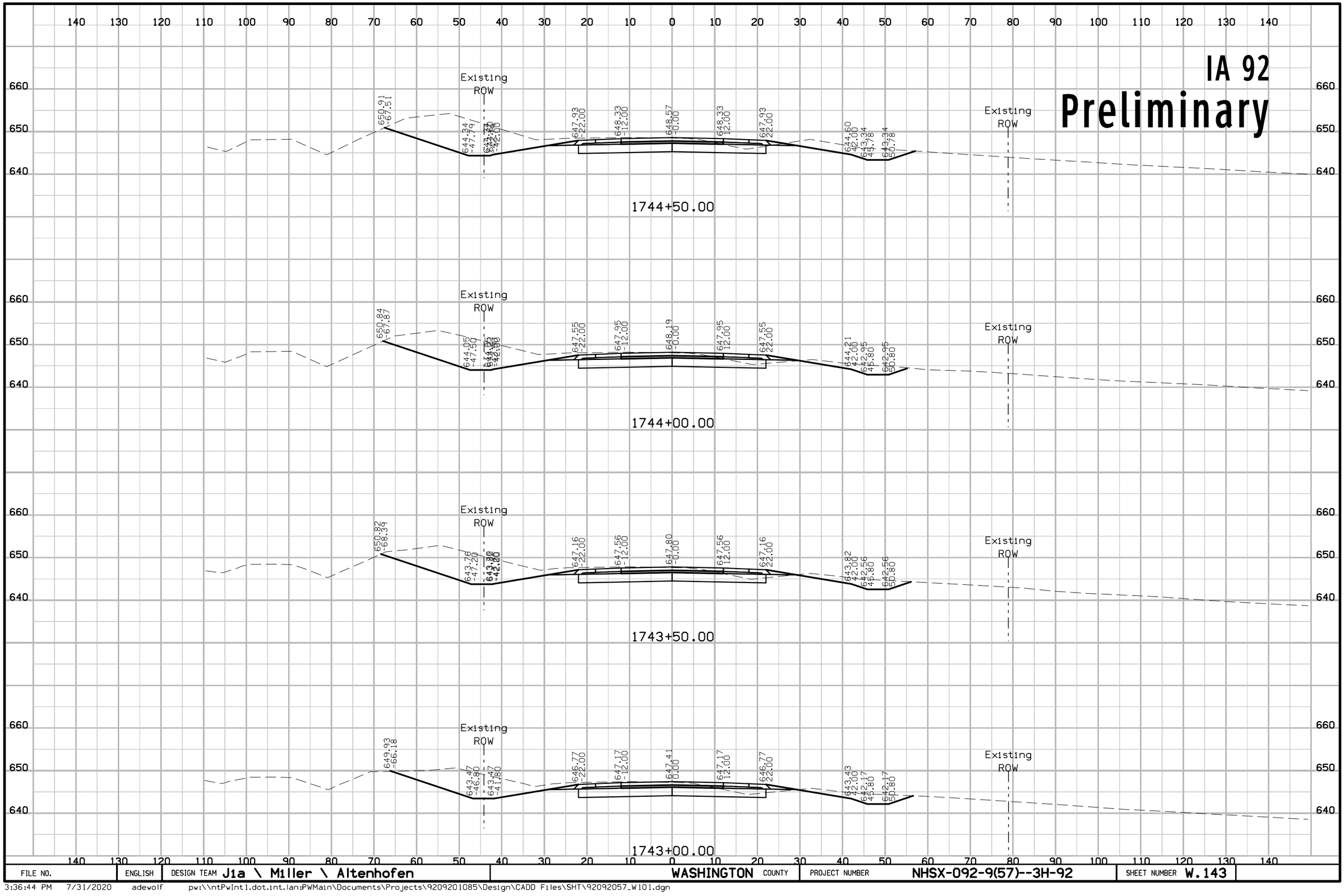
IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM J1a \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.143

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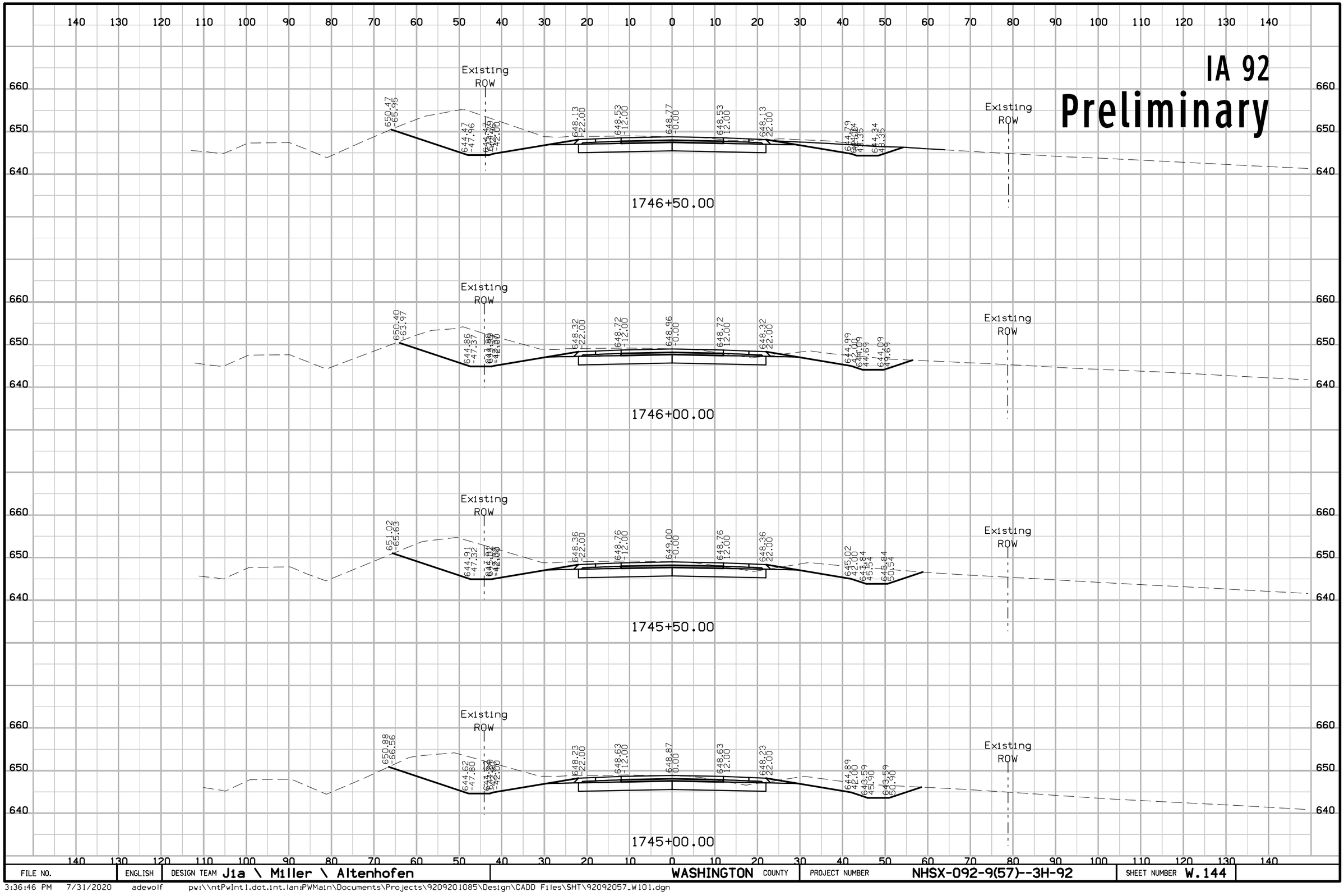
IA 92

Preliminary



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.144

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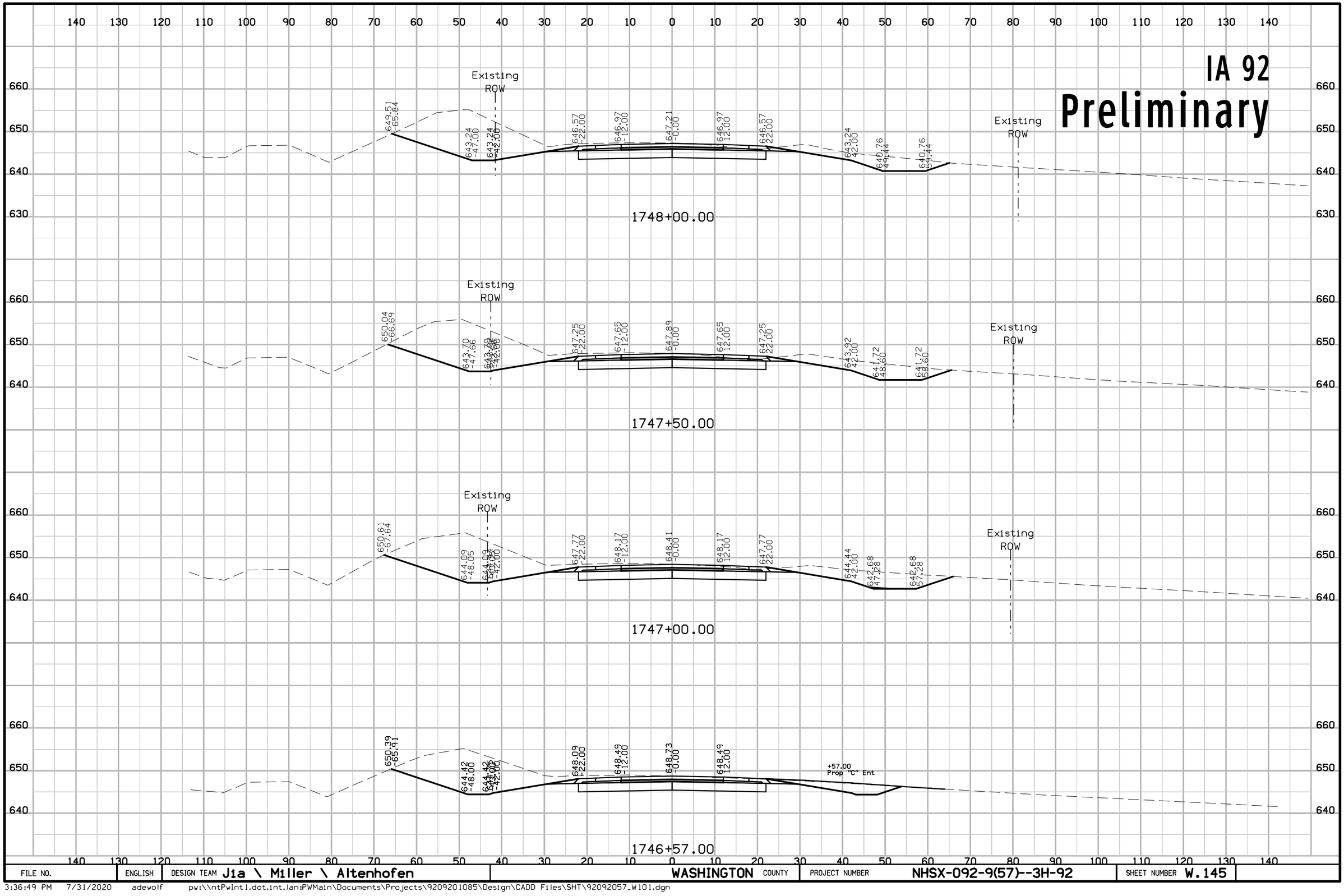
IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.145

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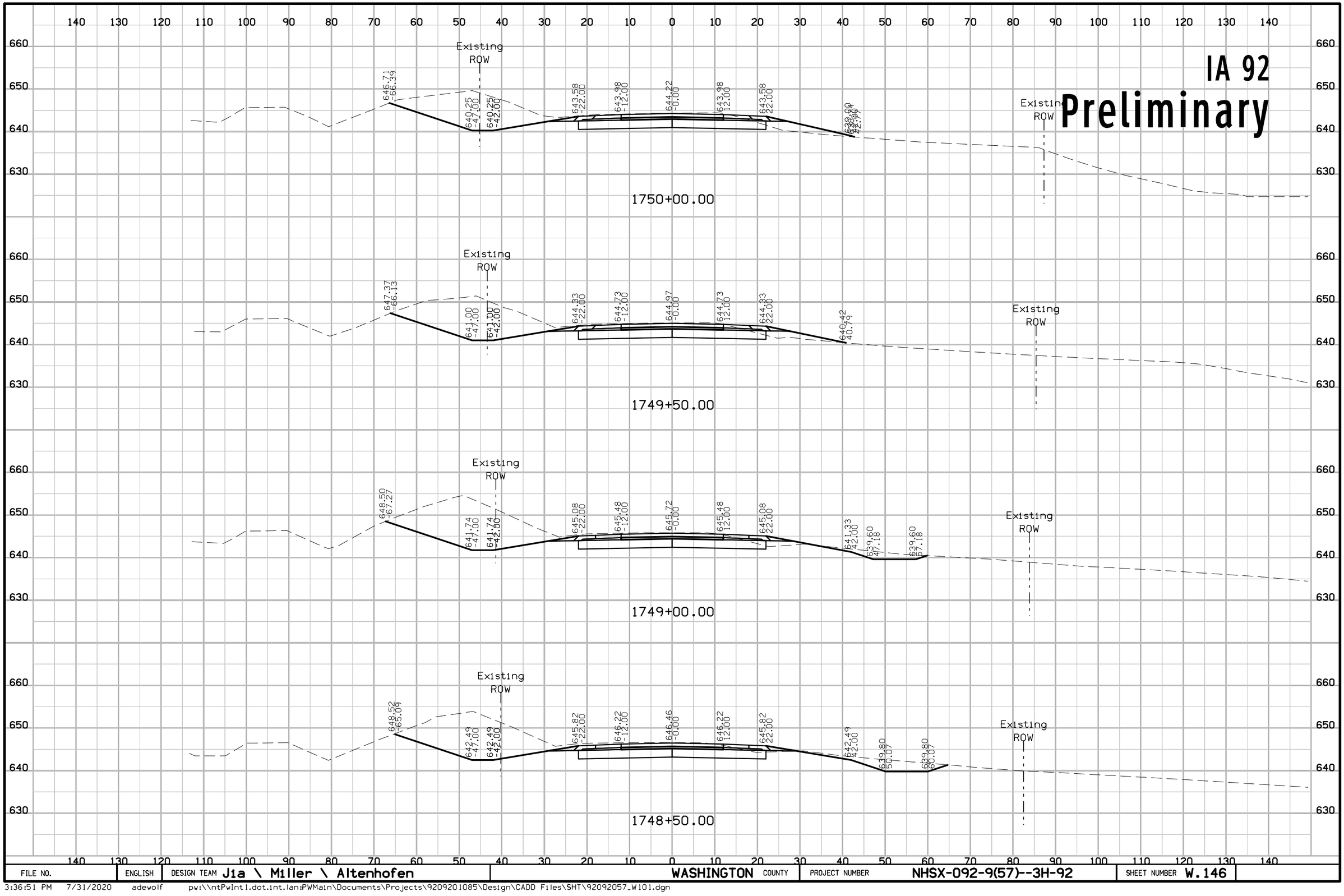
IA 92

Preliminary



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IA 92
Preliminary

FILE NO.	ENGLISH	DESIGN TEAM J1a \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.147

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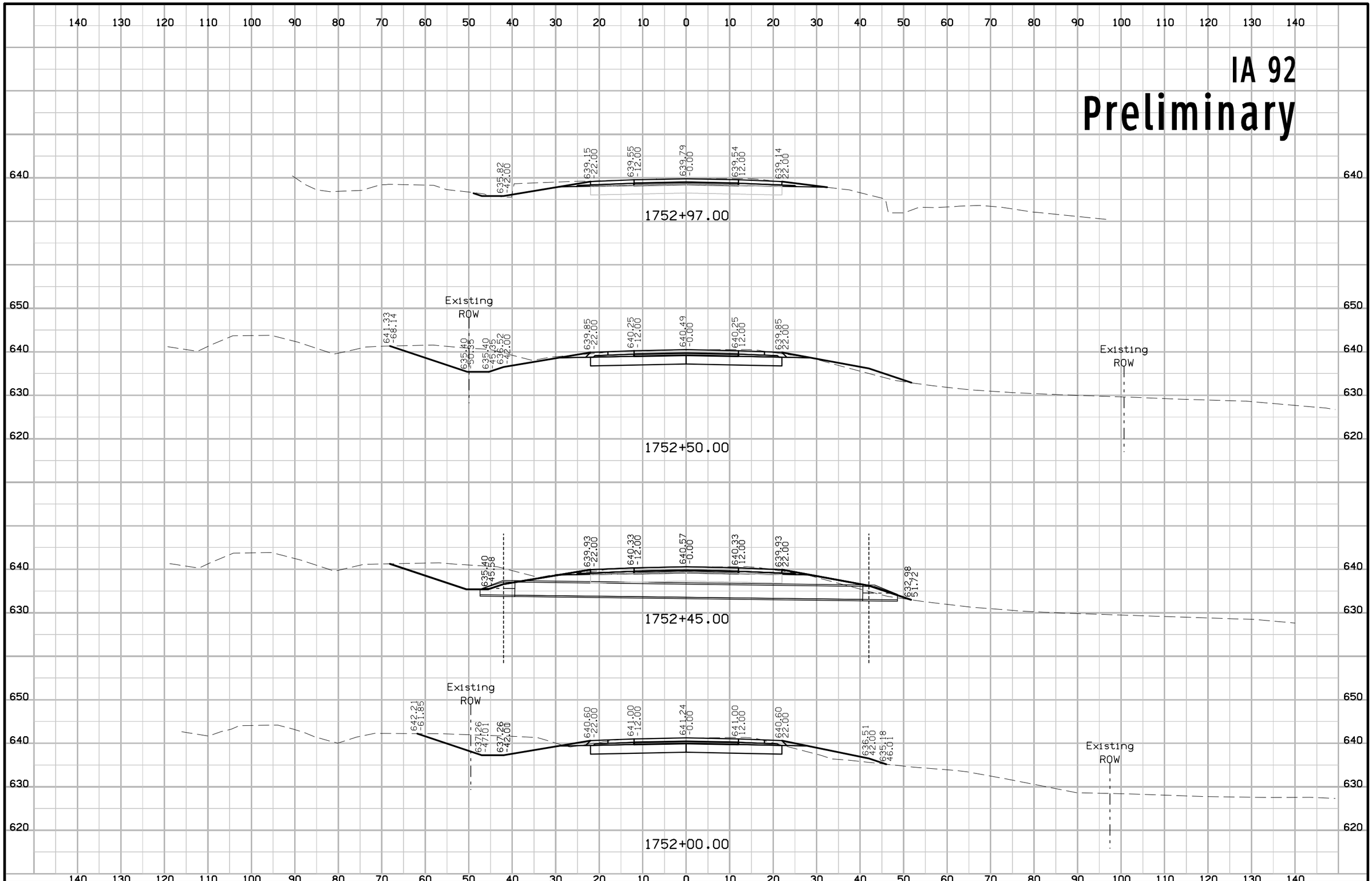
IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.148

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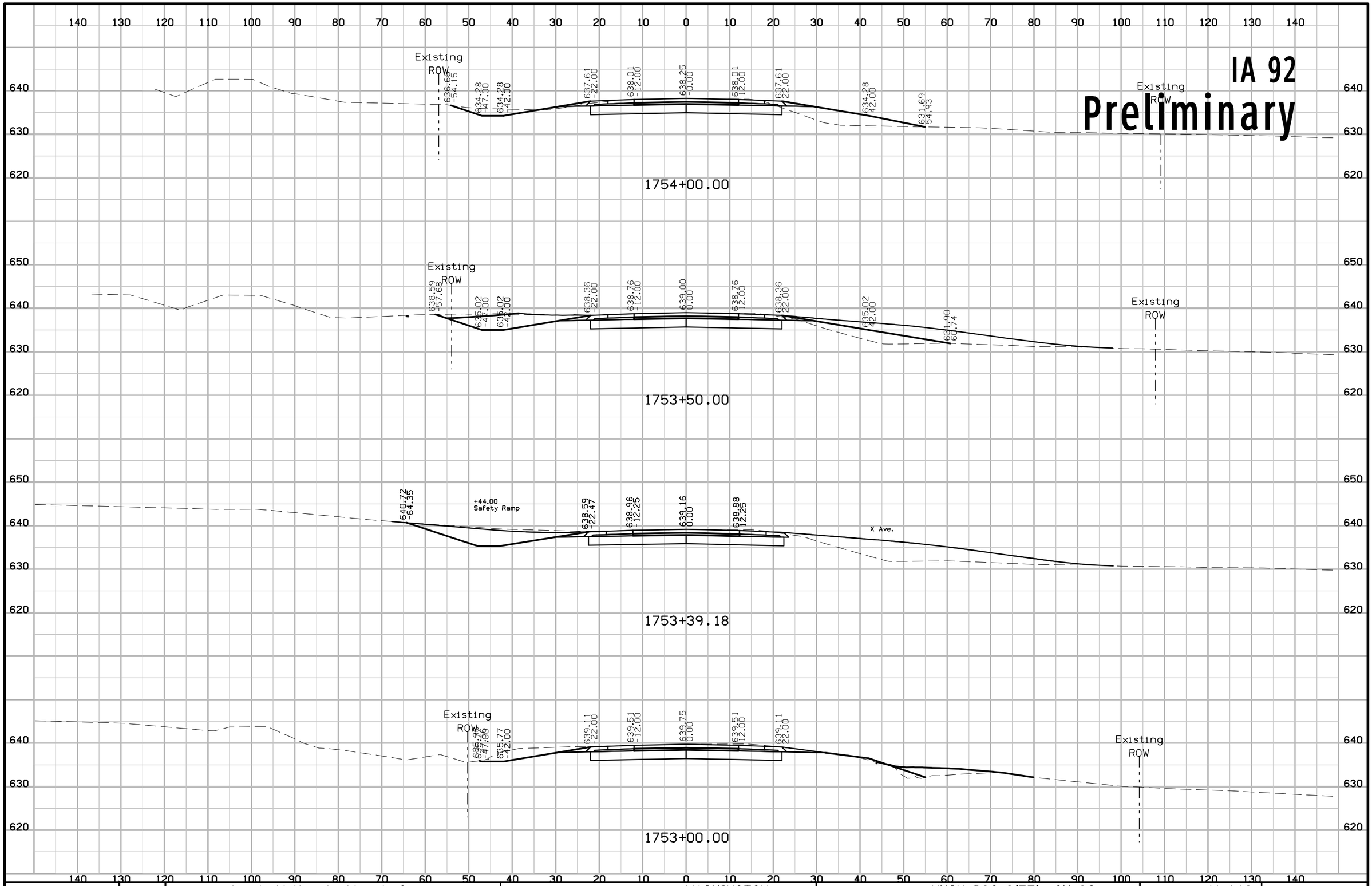
IA 92

Preliminary



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.149

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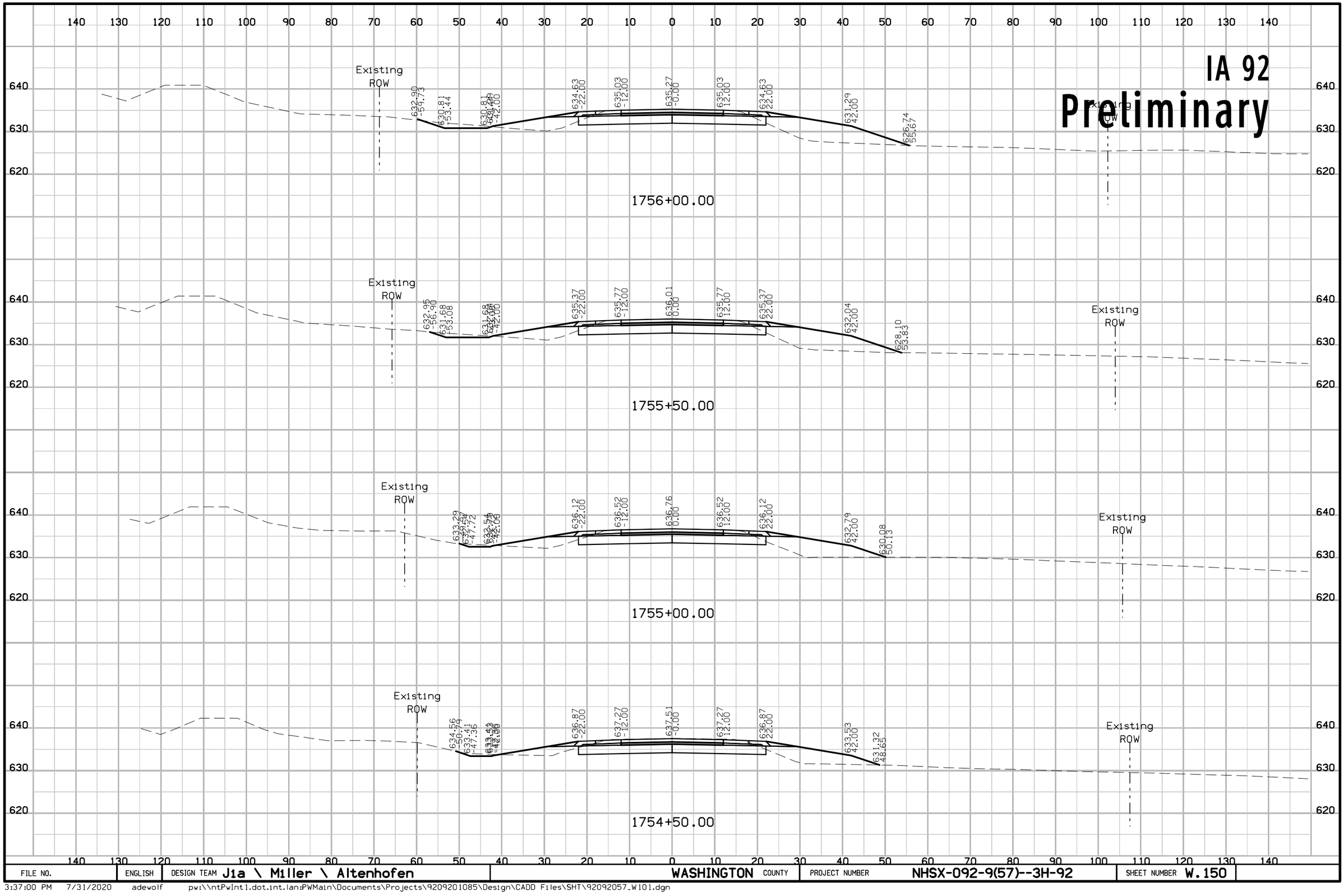
IA 92

Preliminary



FILE NO.	ENGLISH	DESIGN TEAM J1a \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.150

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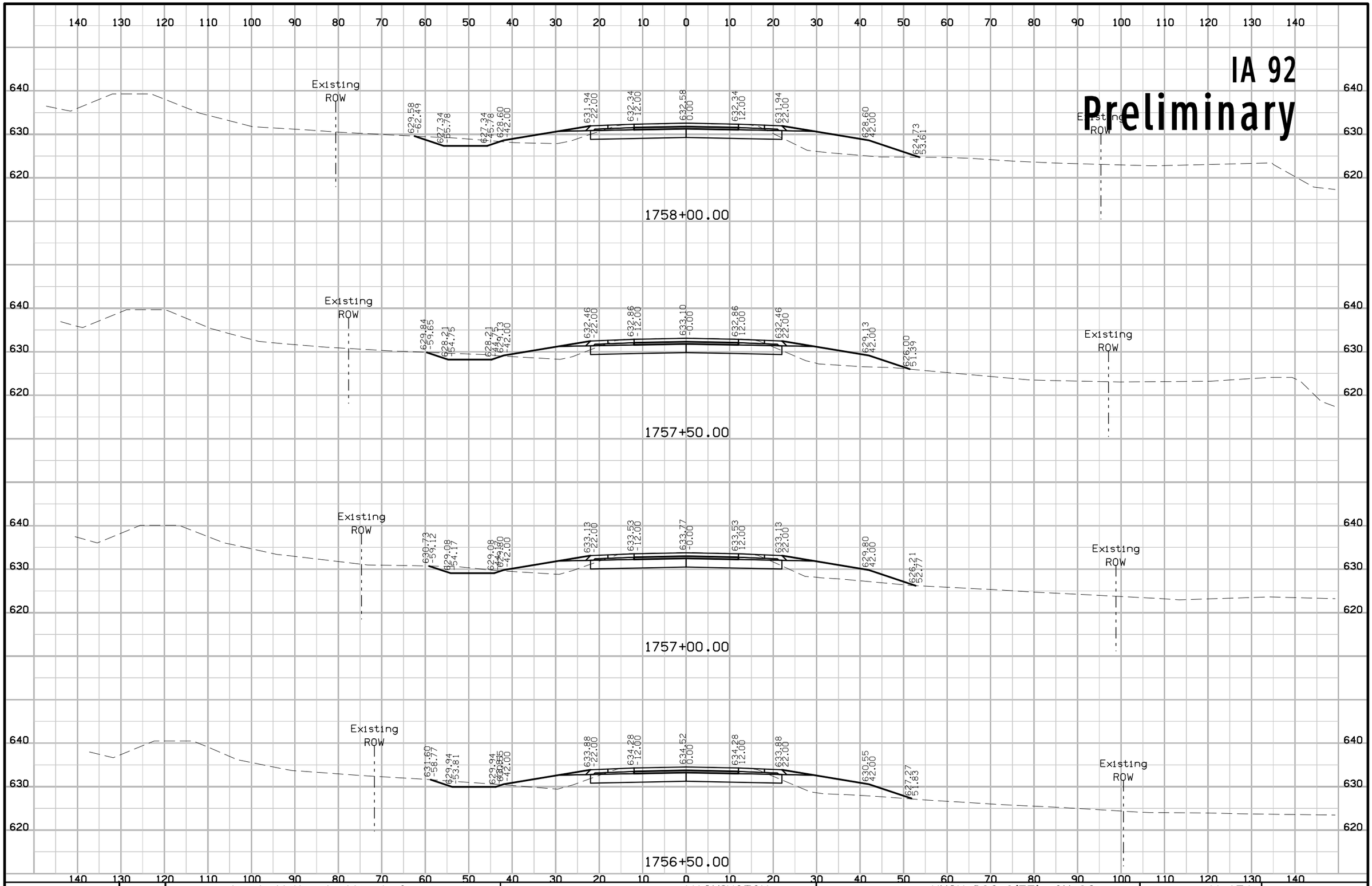
IA 92

Preliminary



FILE NO.	ENGLISH	DESIGN TEAM J1a \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.151

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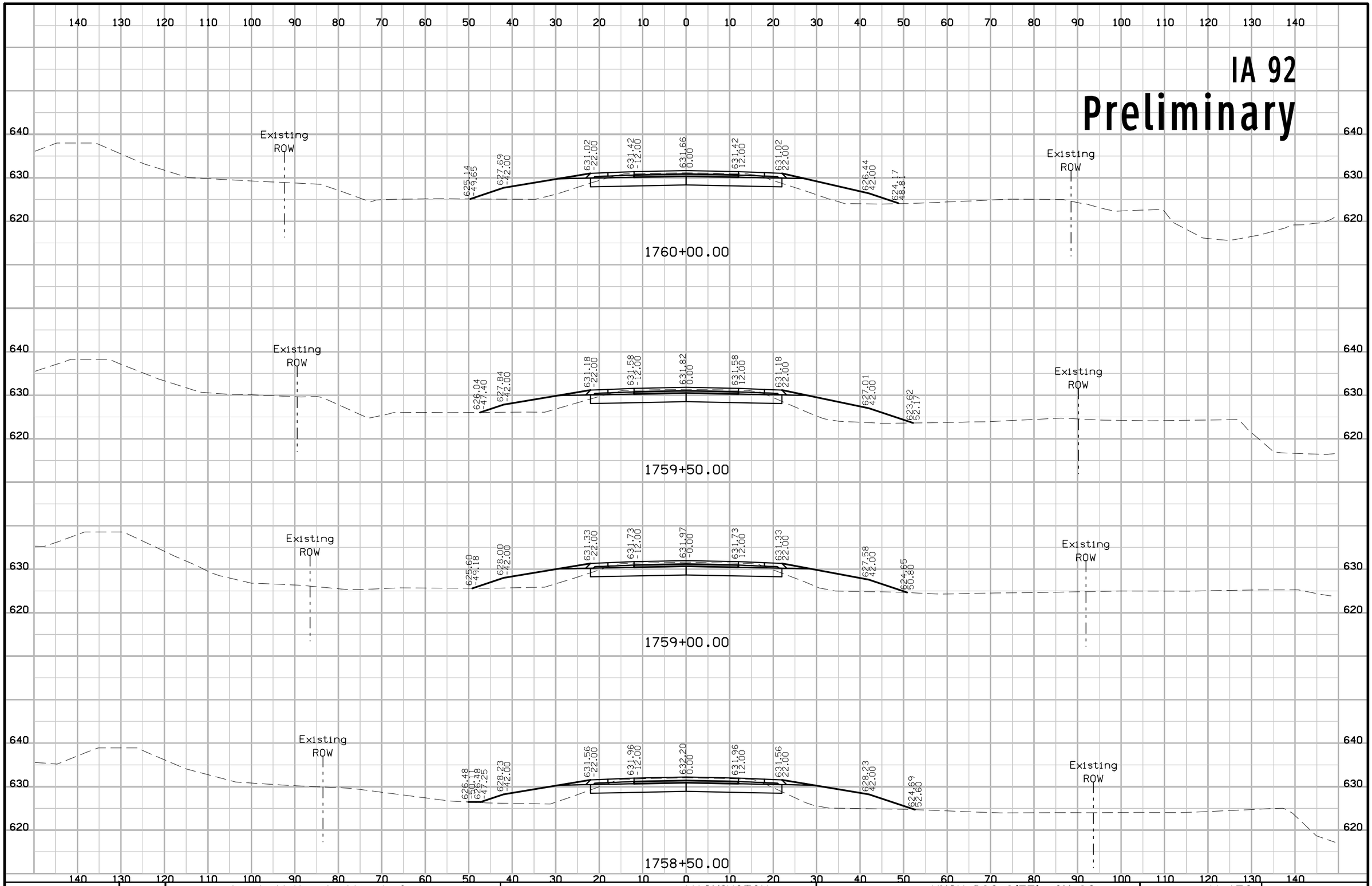
IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM J1a \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.152

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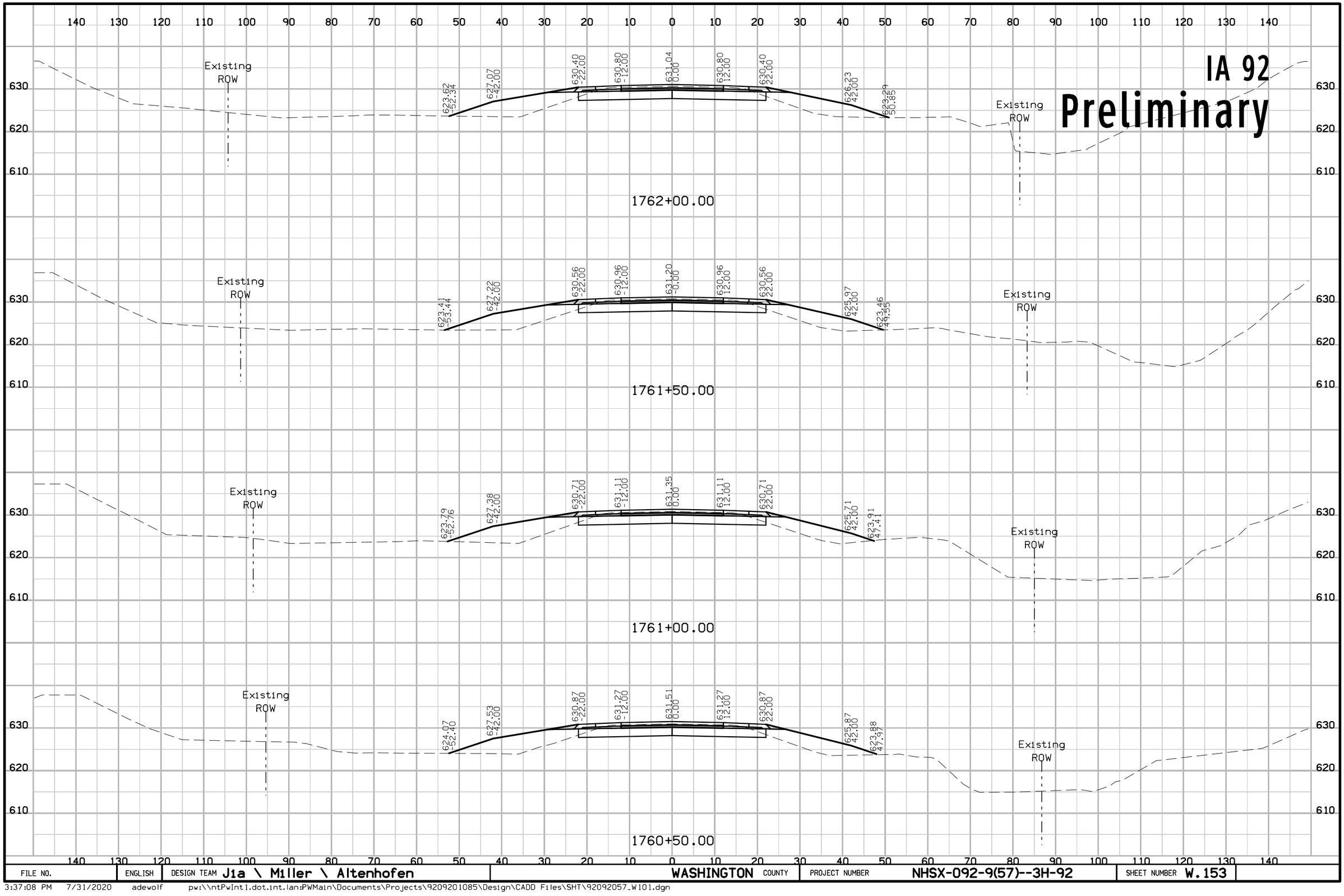
IA 92

Preliminary



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.153

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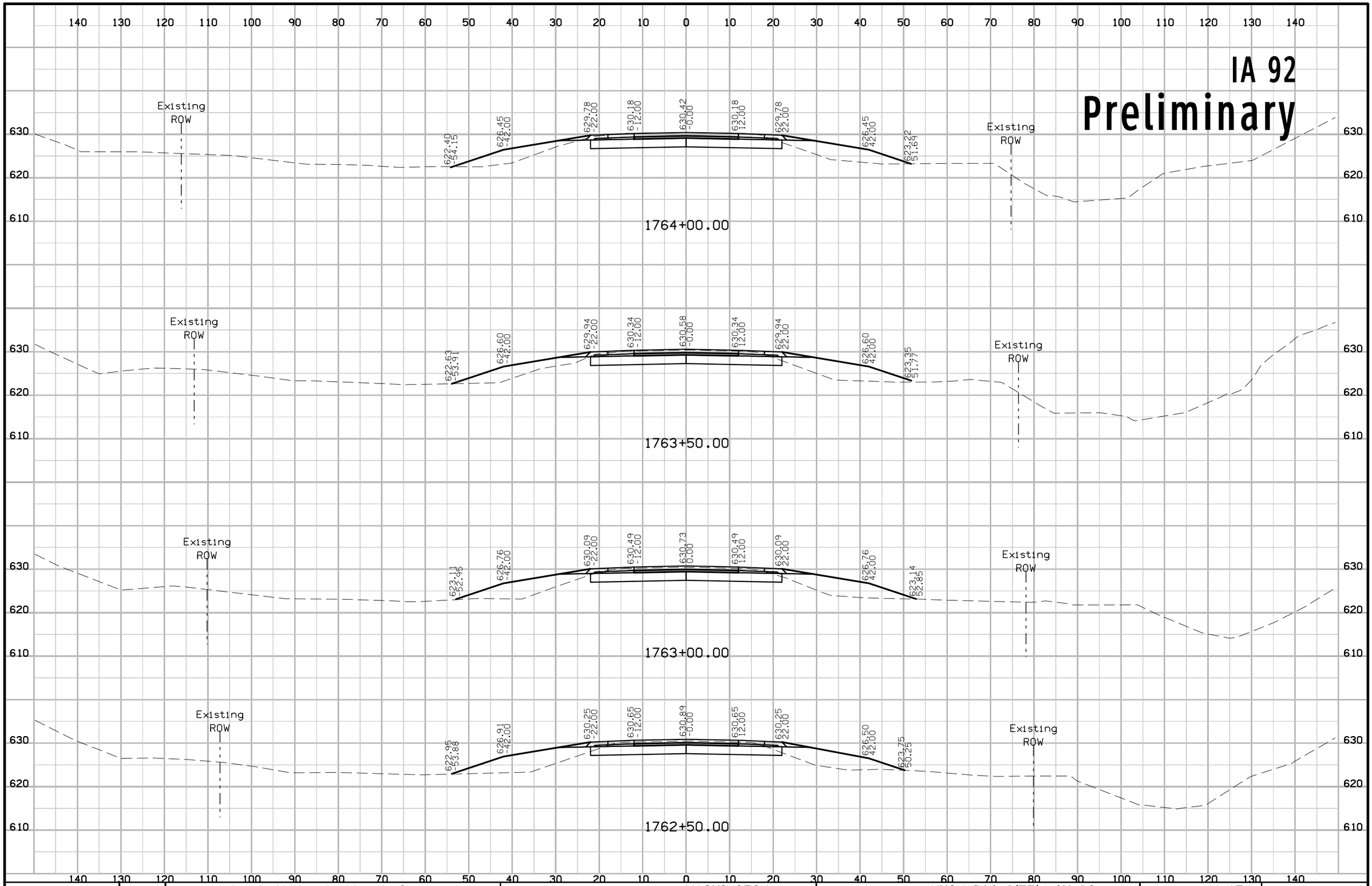
IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM J1a \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.154

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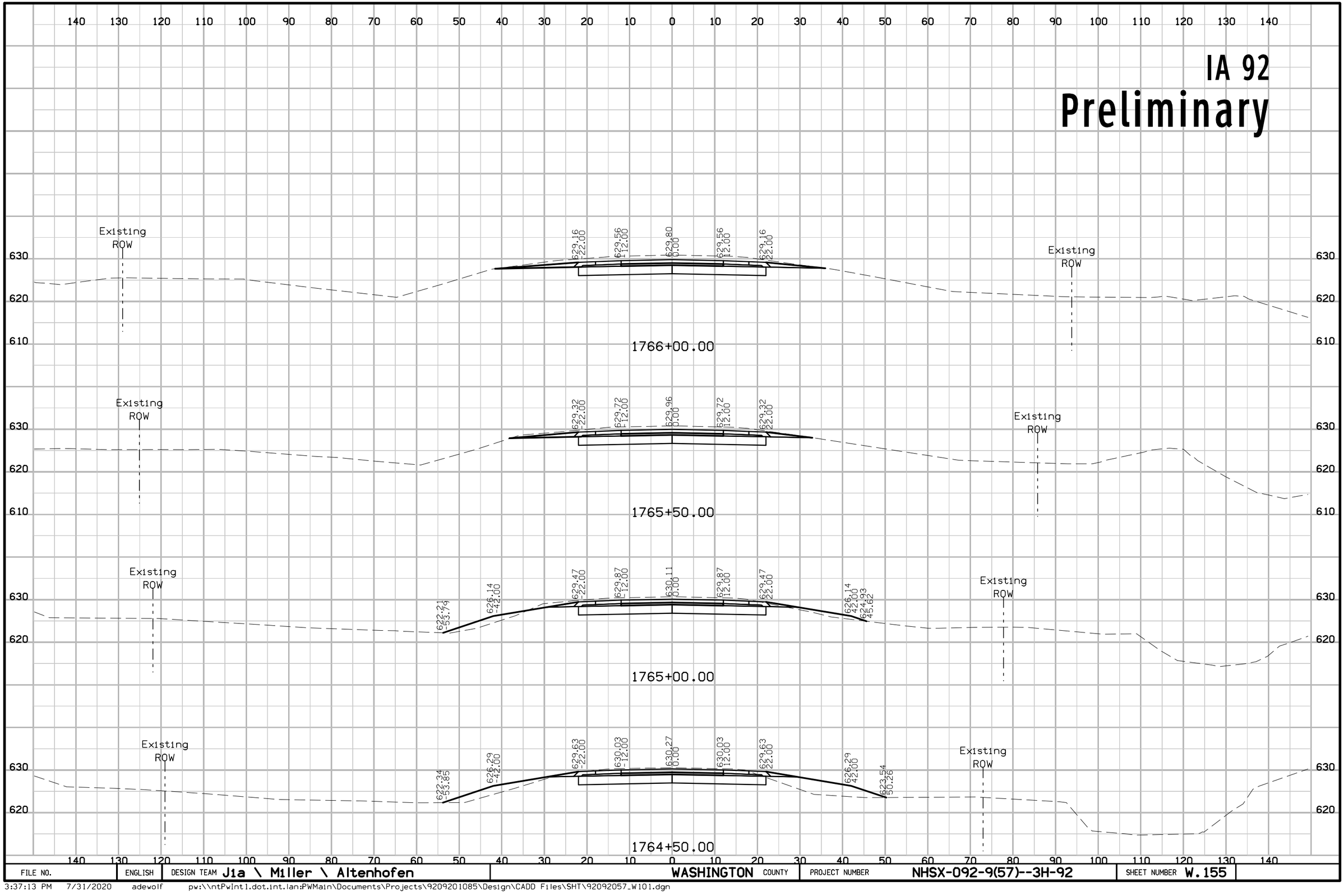
IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.155

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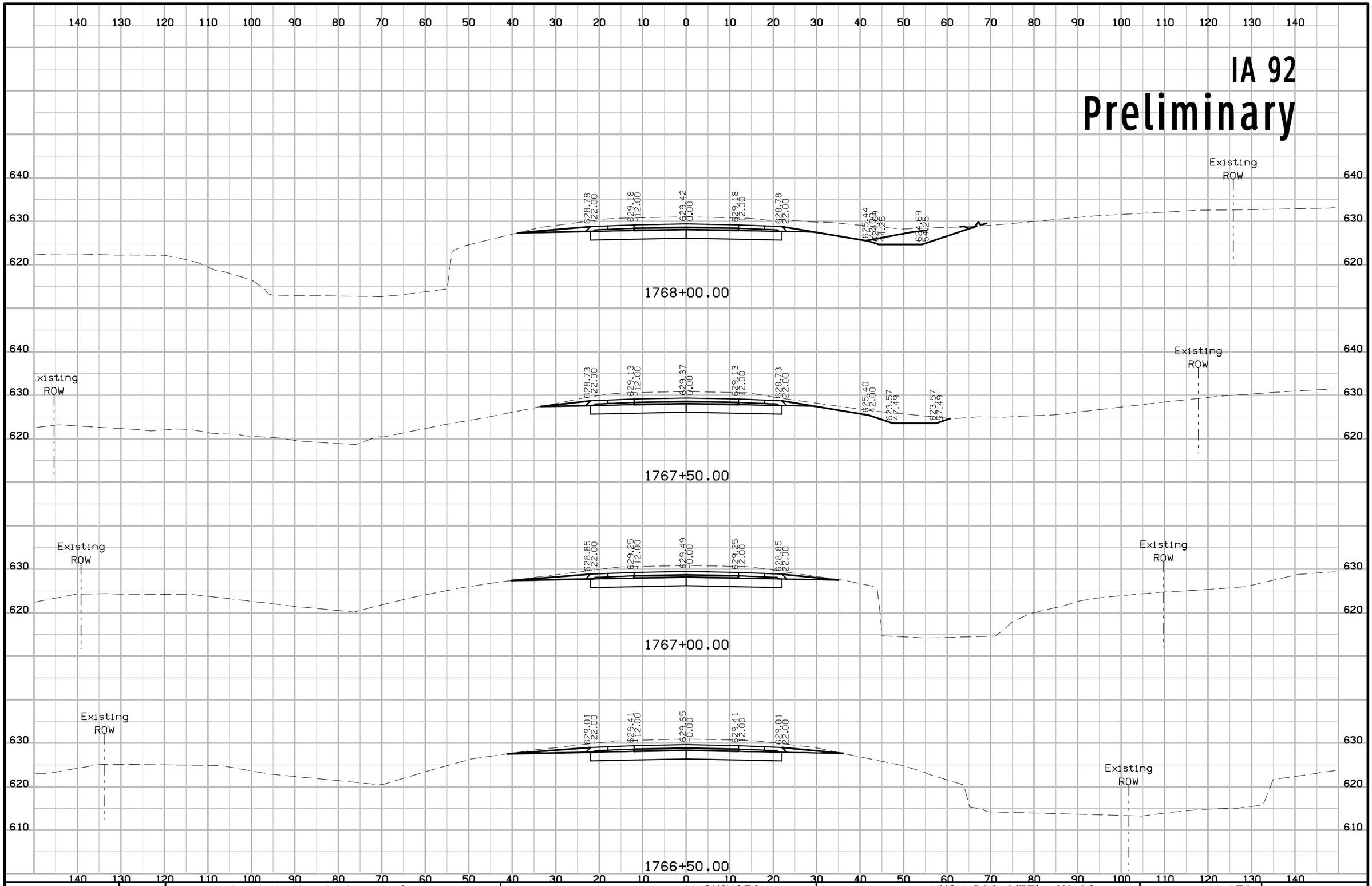
IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.156

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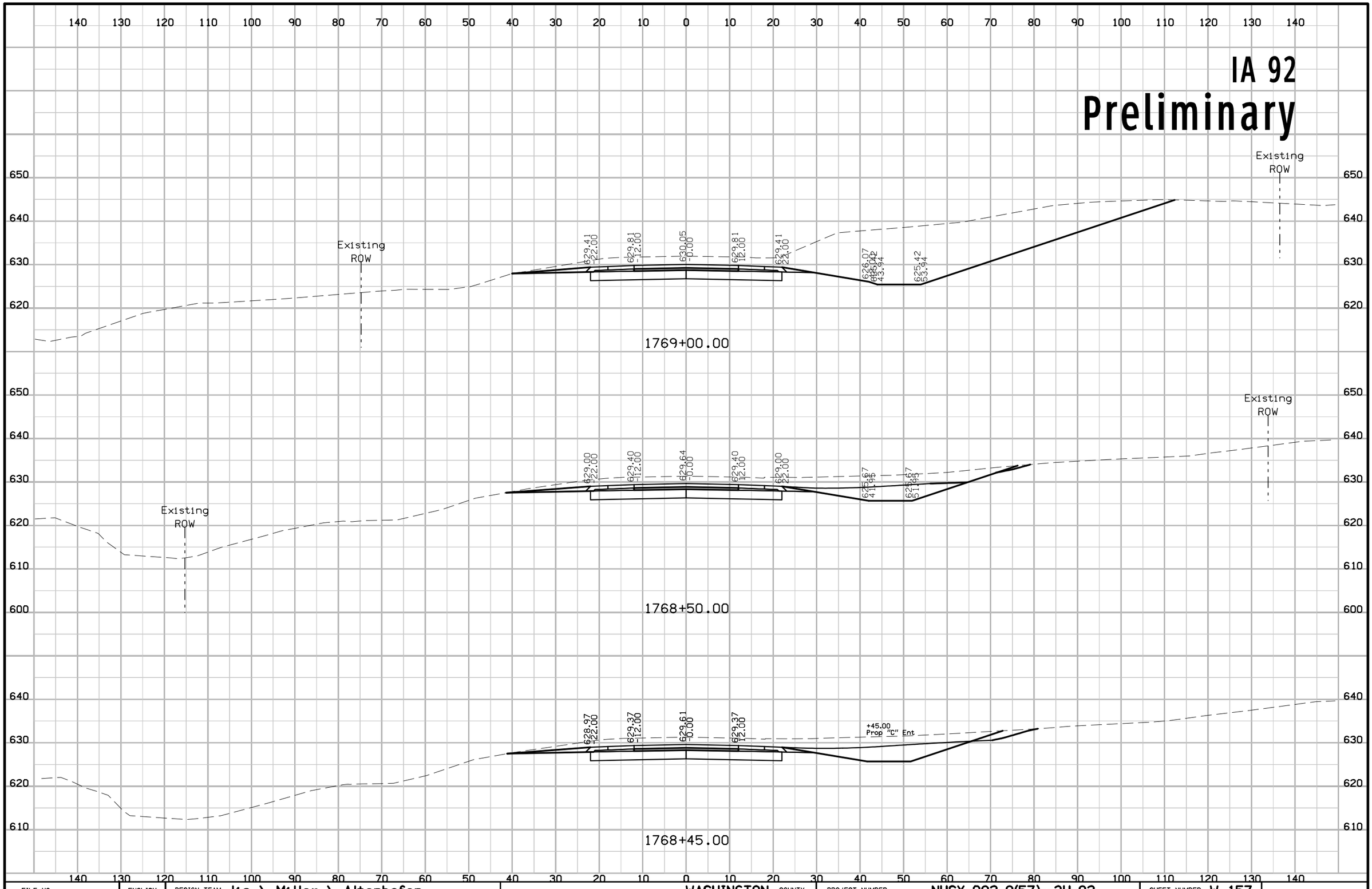
IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.157

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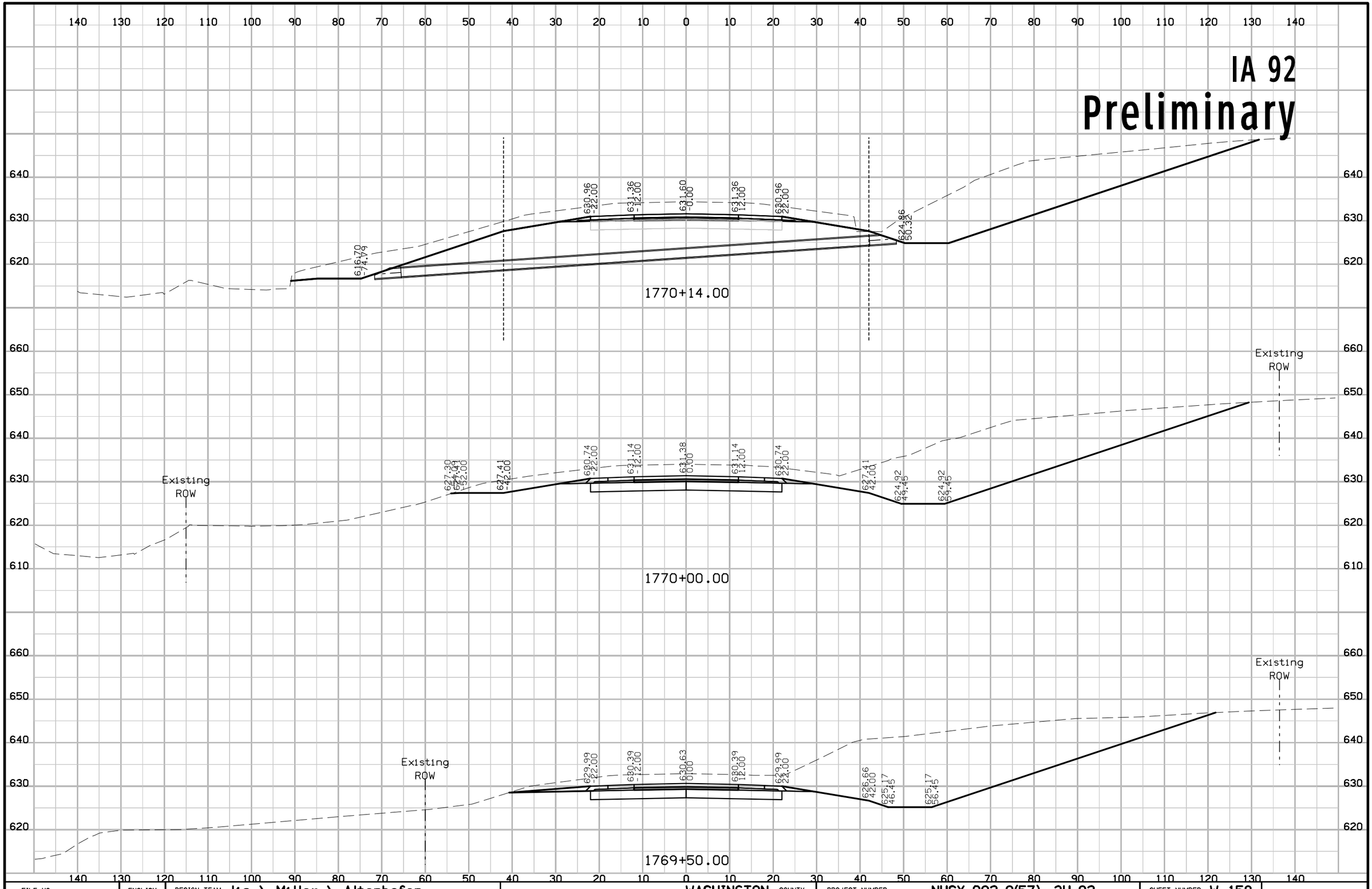
IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.158

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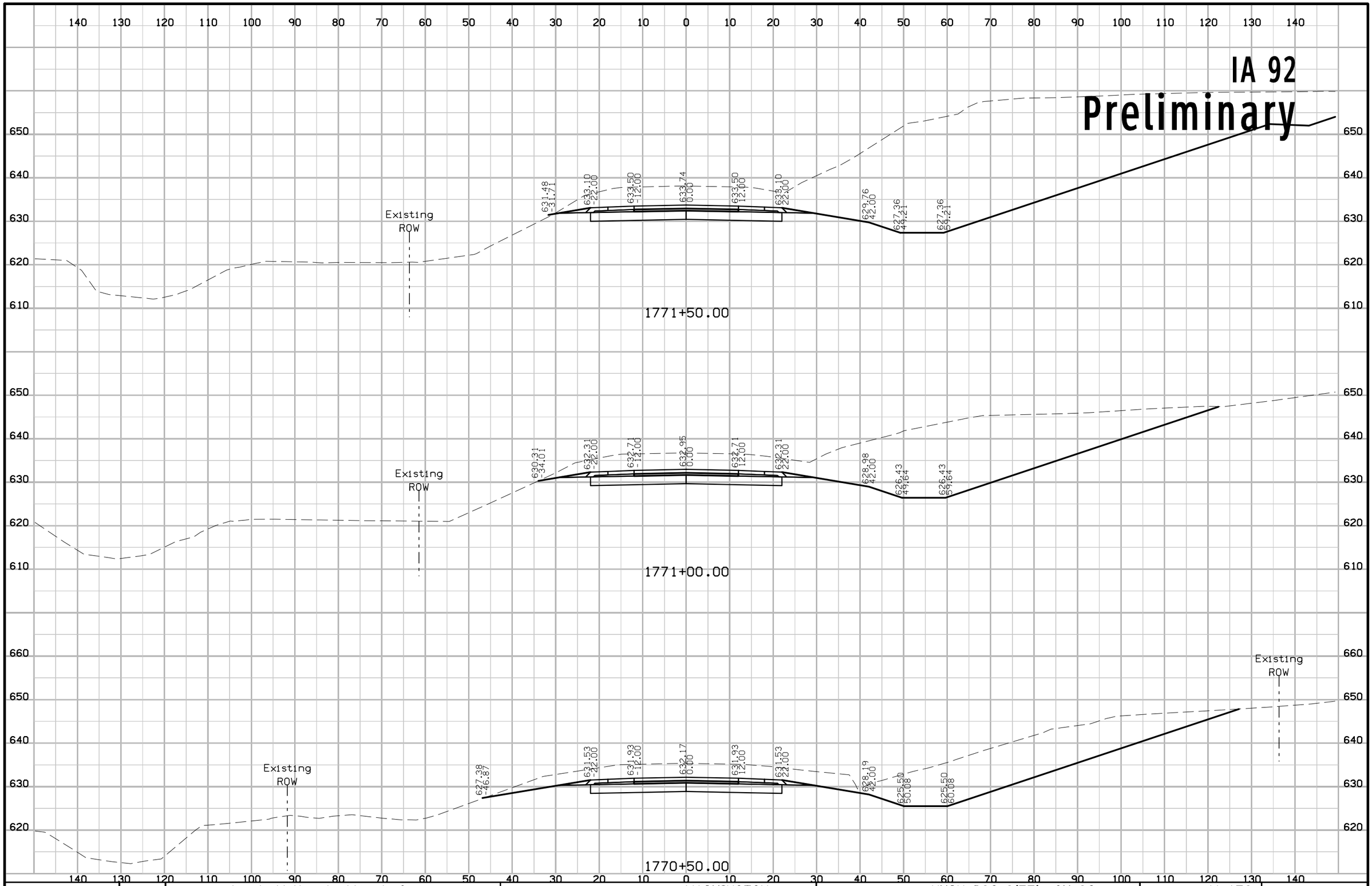
IA 92

Preliminary



FILE NO.	ENGLISH	DESIGN TEAM J1a \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.159

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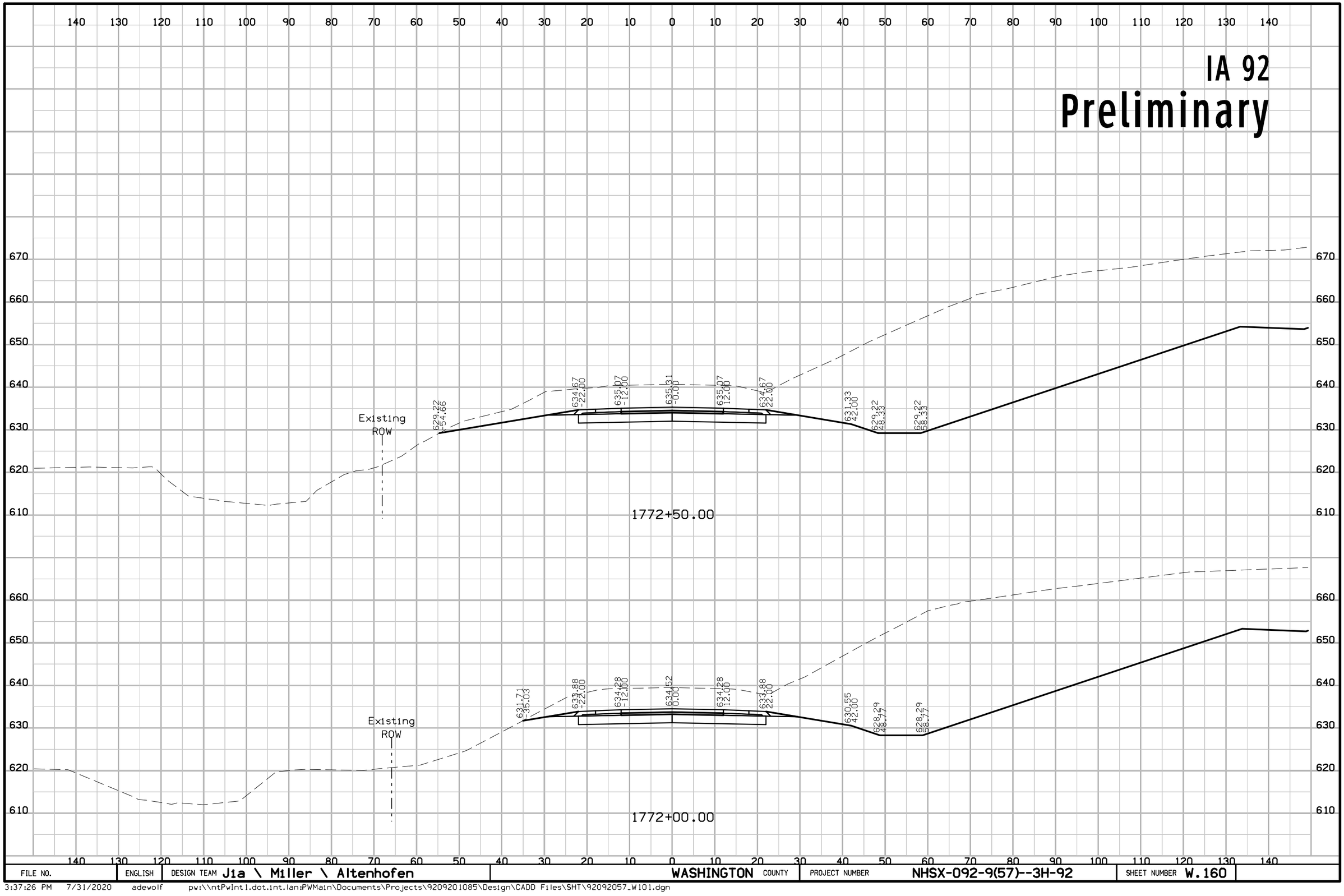
IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM J1a \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.160

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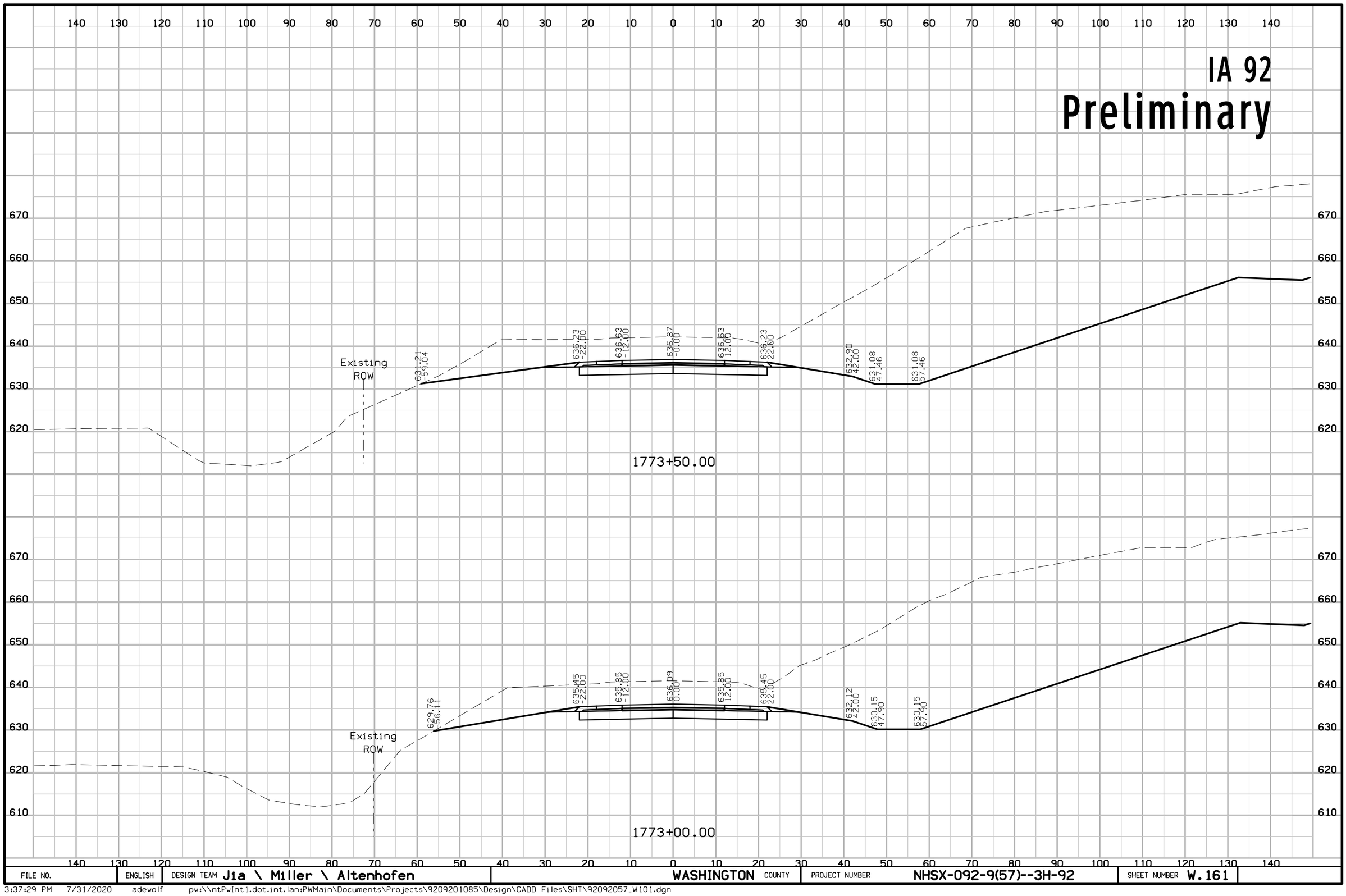
IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM J1a \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.161

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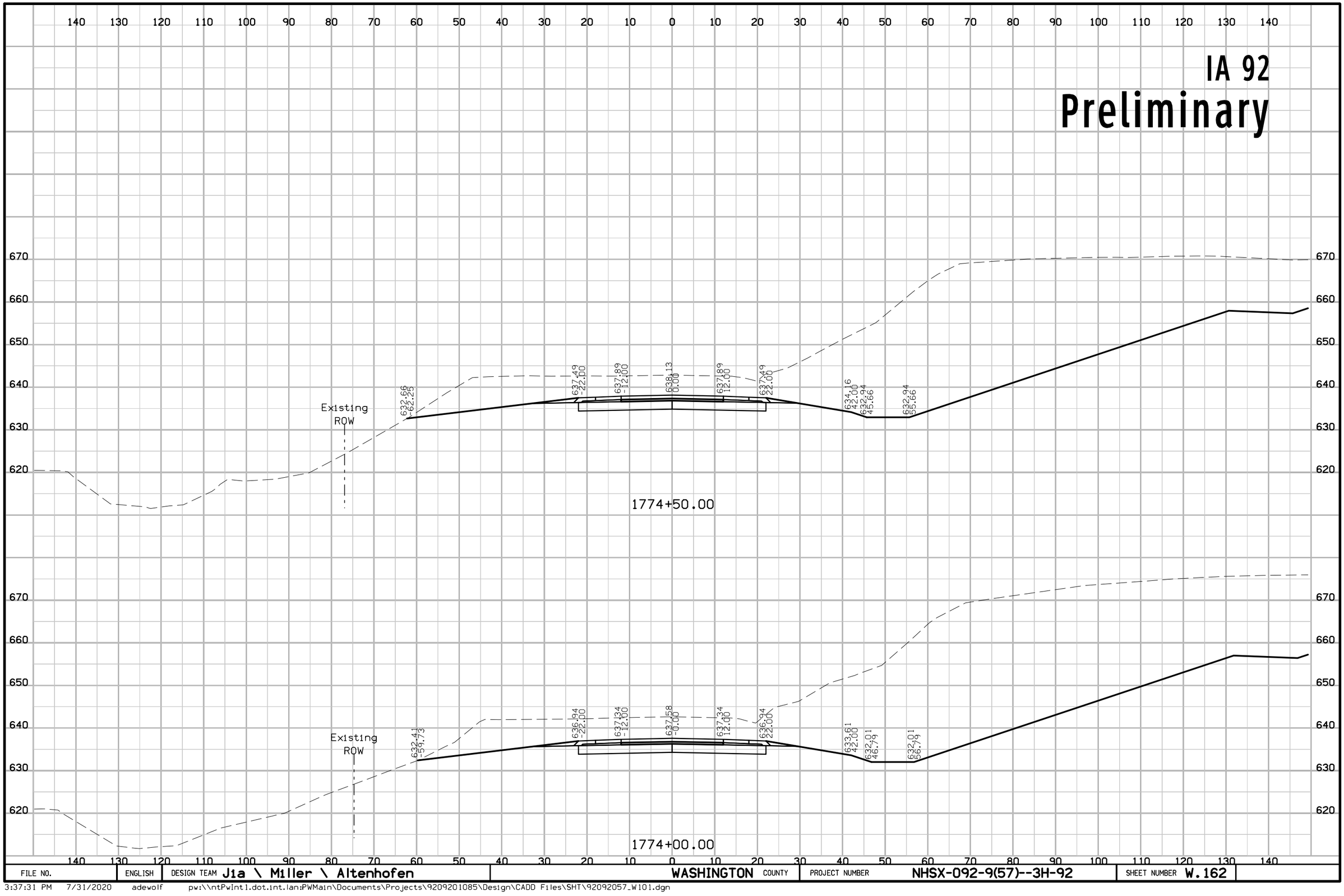
IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.162

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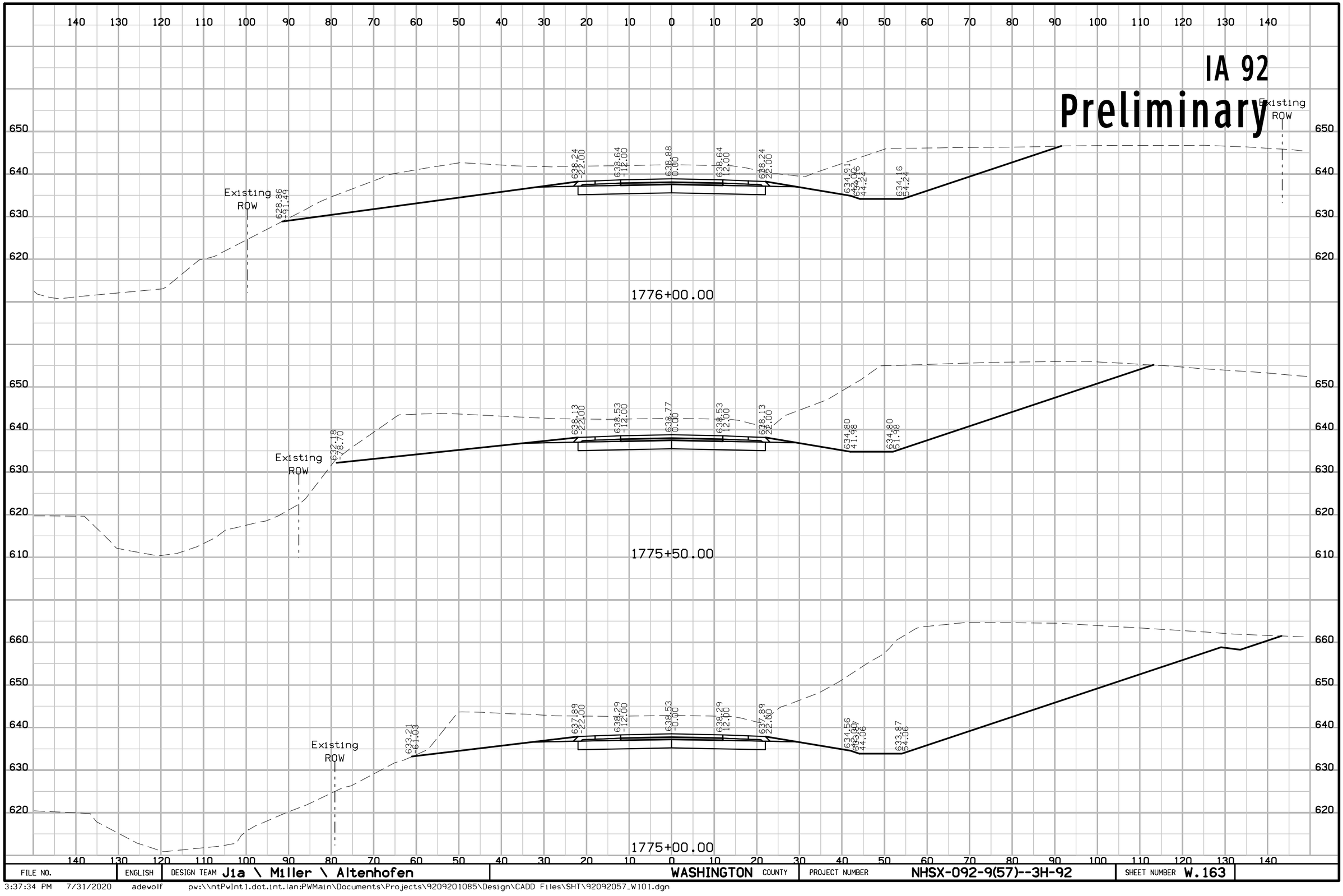
IA 92

Preliminary



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.163

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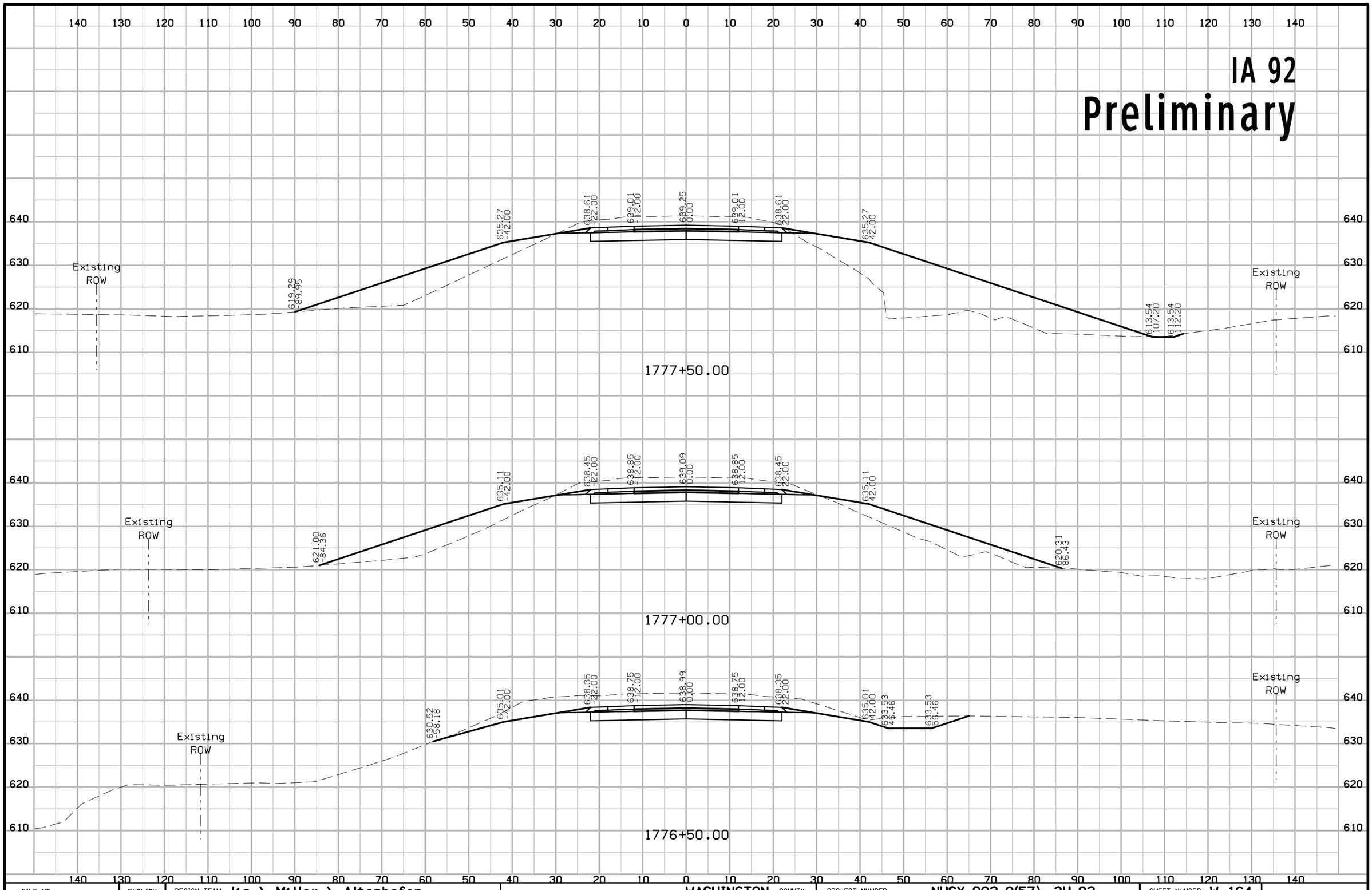
IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.164

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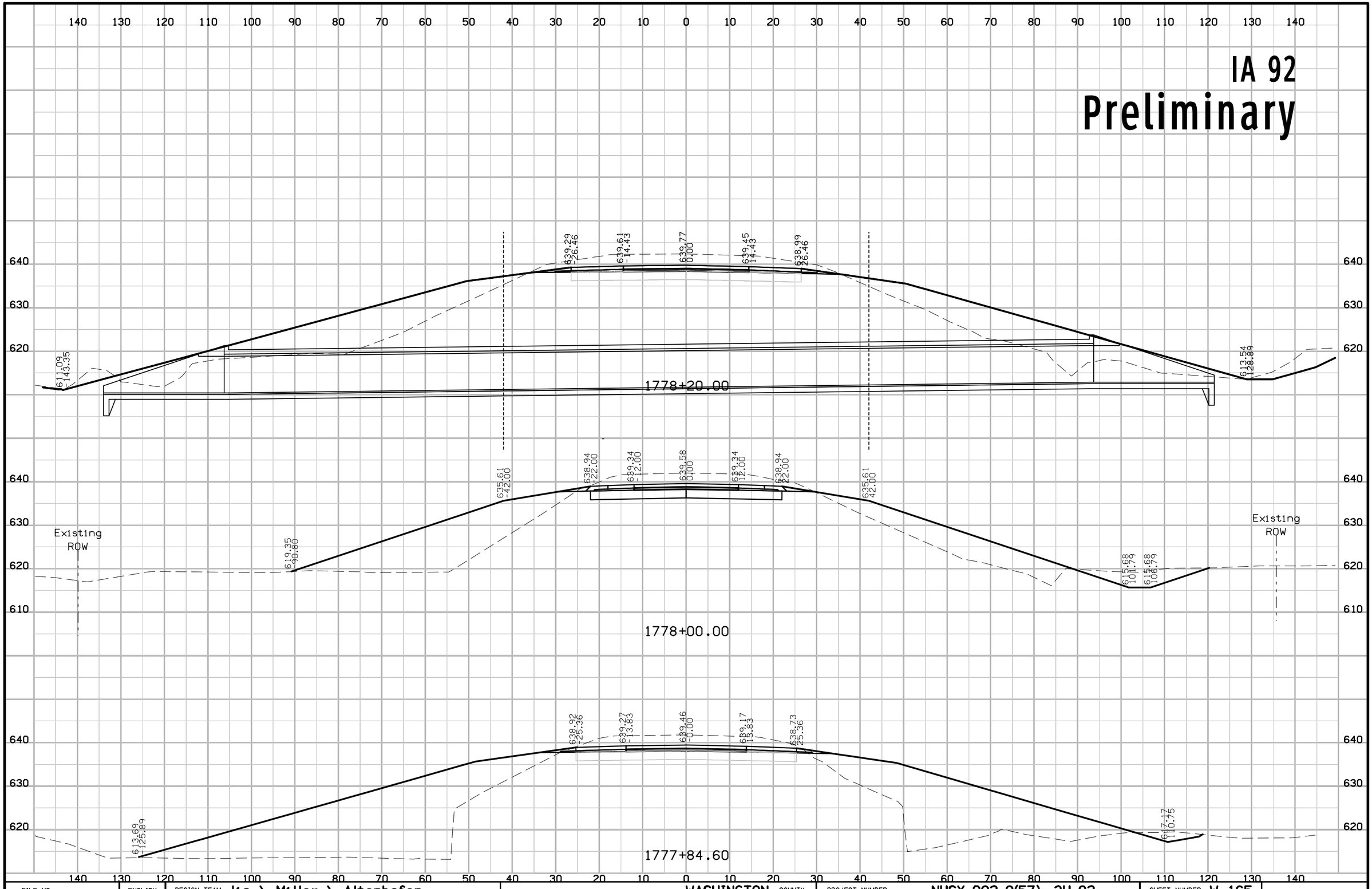
IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.165

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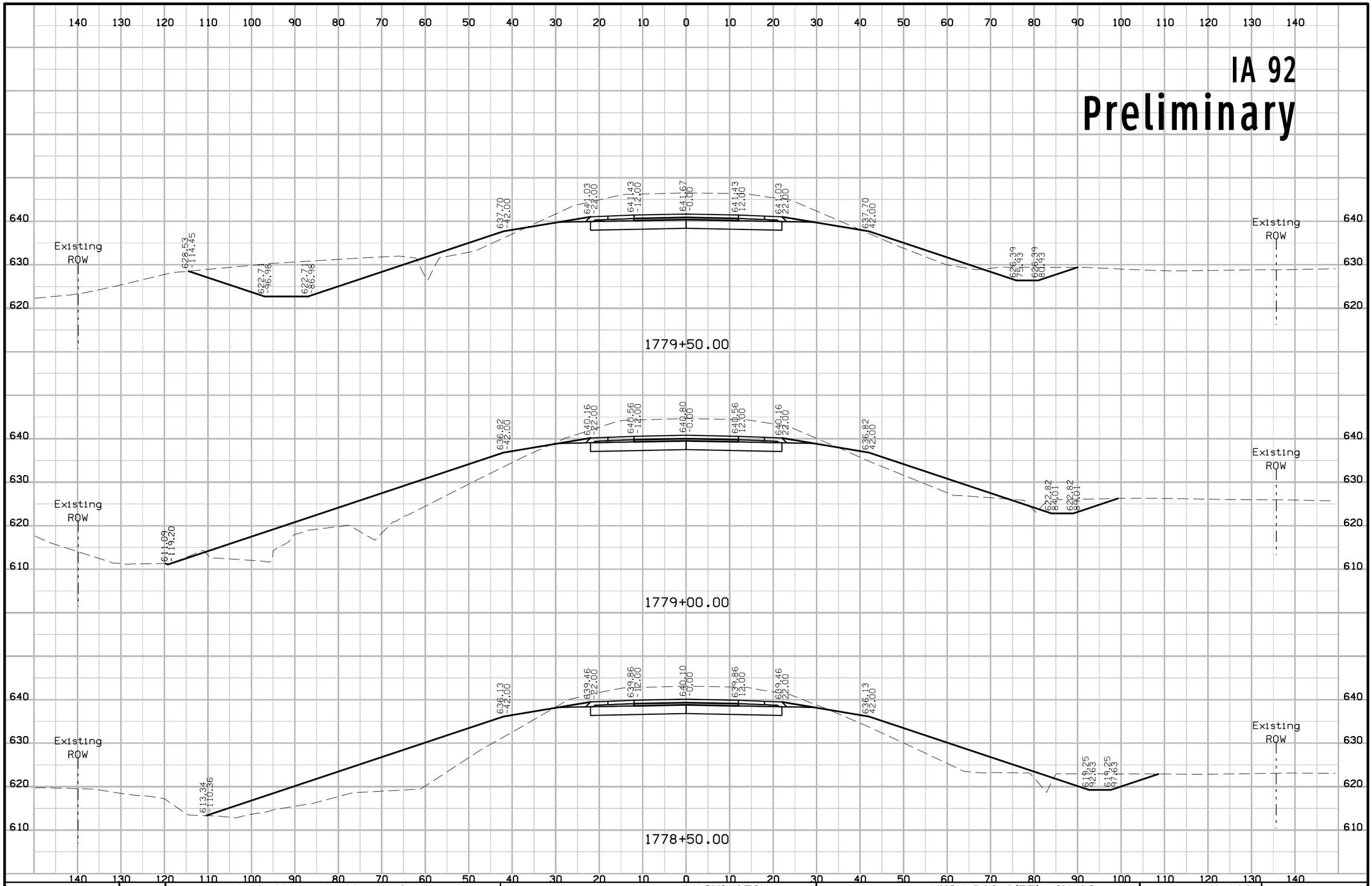
IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.166

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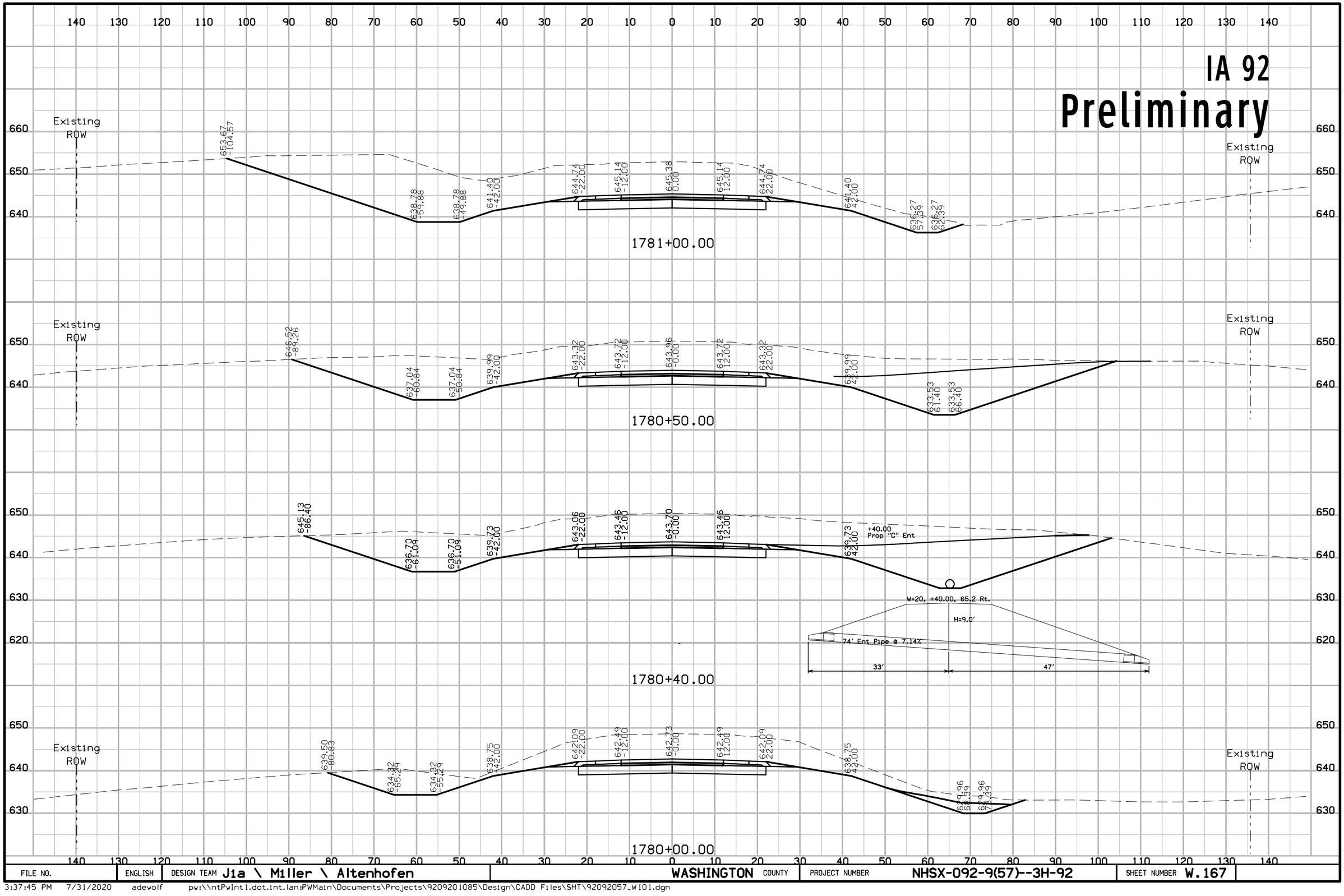
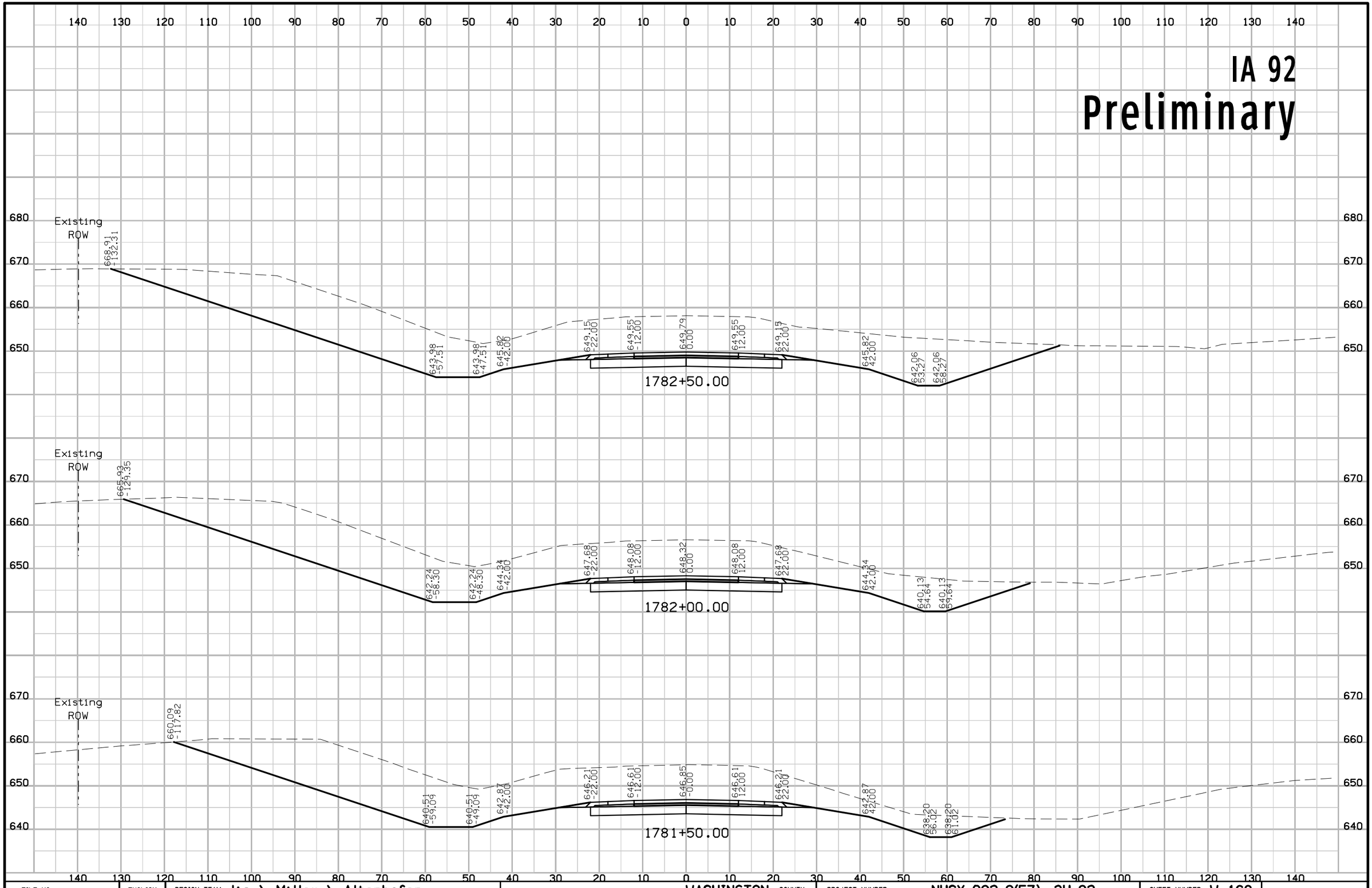
IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.167

3:37:45 PM 7/31/2020 adewolf pw:\\ntPwInt1.dot.int.lan:PWMain\Documents\Projects\9209201085\Design\CADD Files\SHT\92092057_W101.dgn

IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM J1a \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.168

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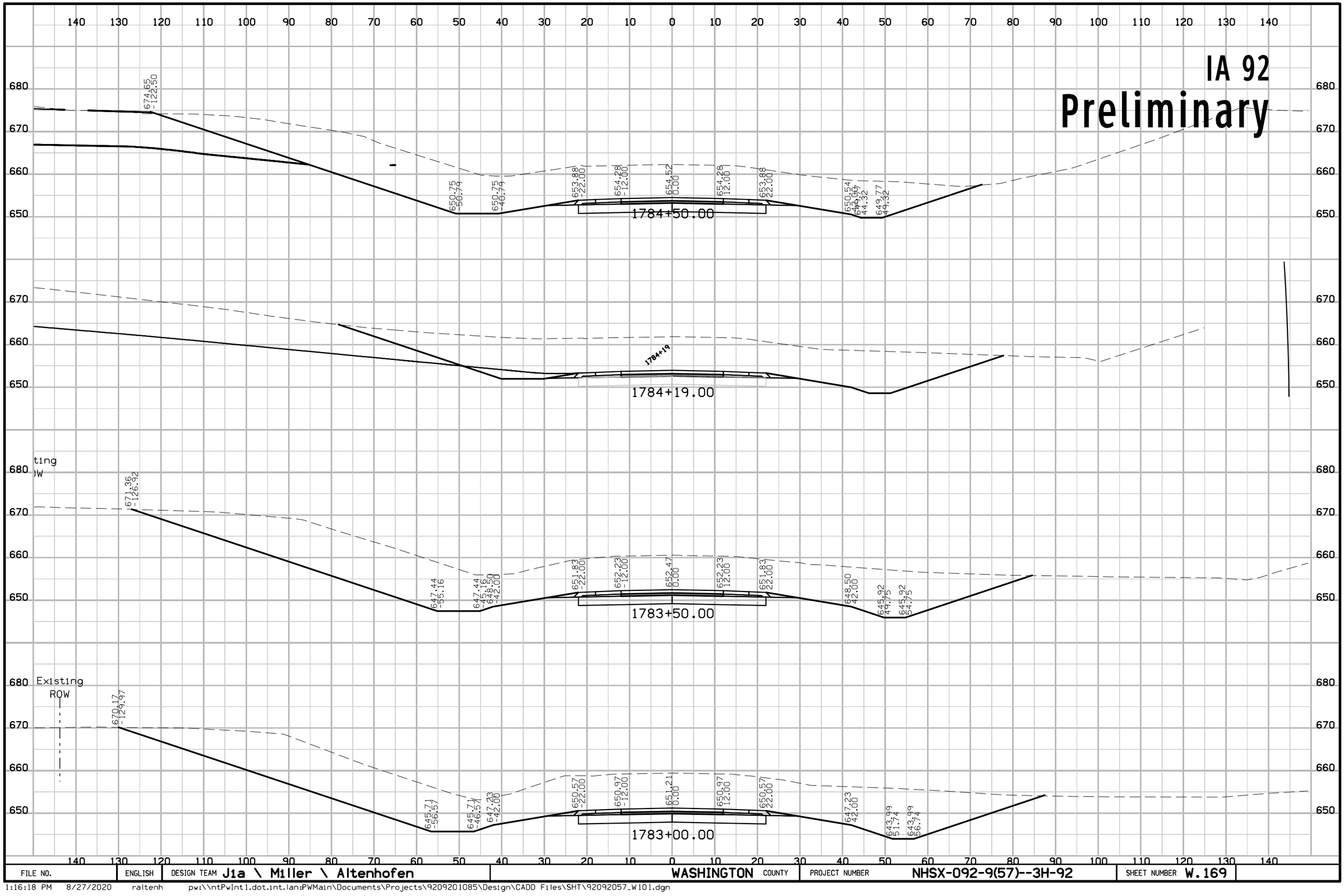
IA 92

Preliminary



FILE NO.	ENGLISH	DESIGN TEAM J1a \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.169

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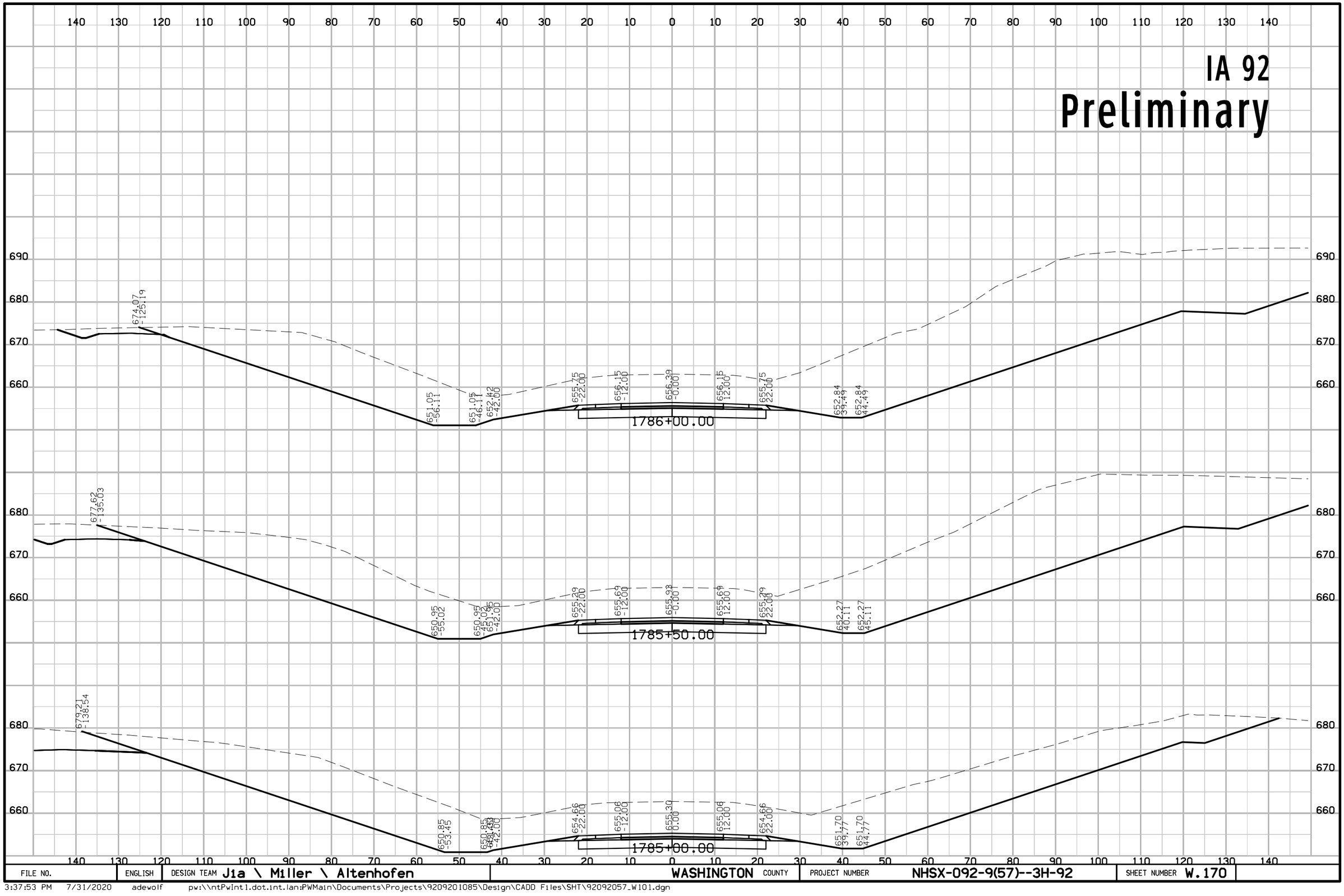
IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.170

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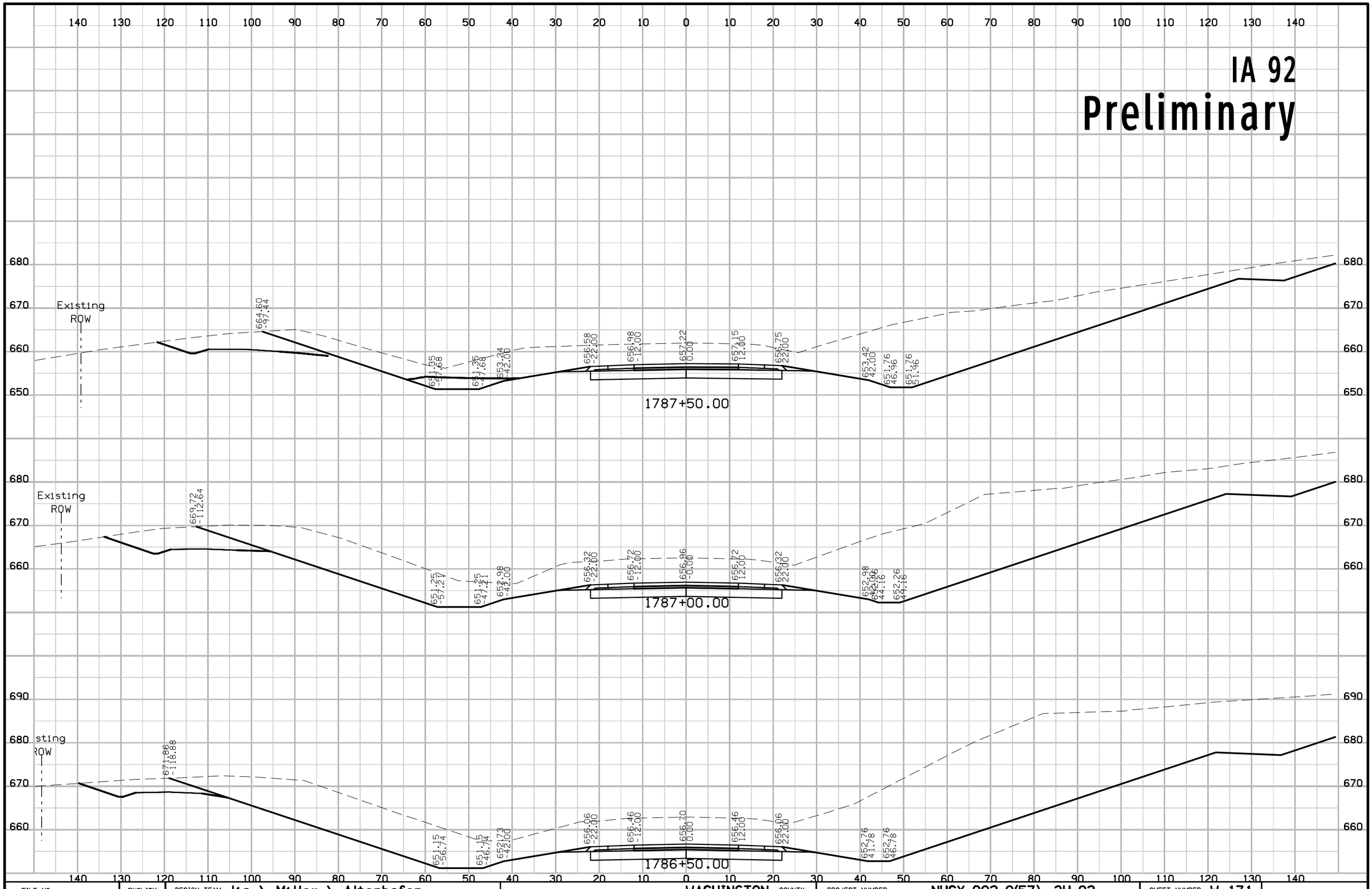
IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.171

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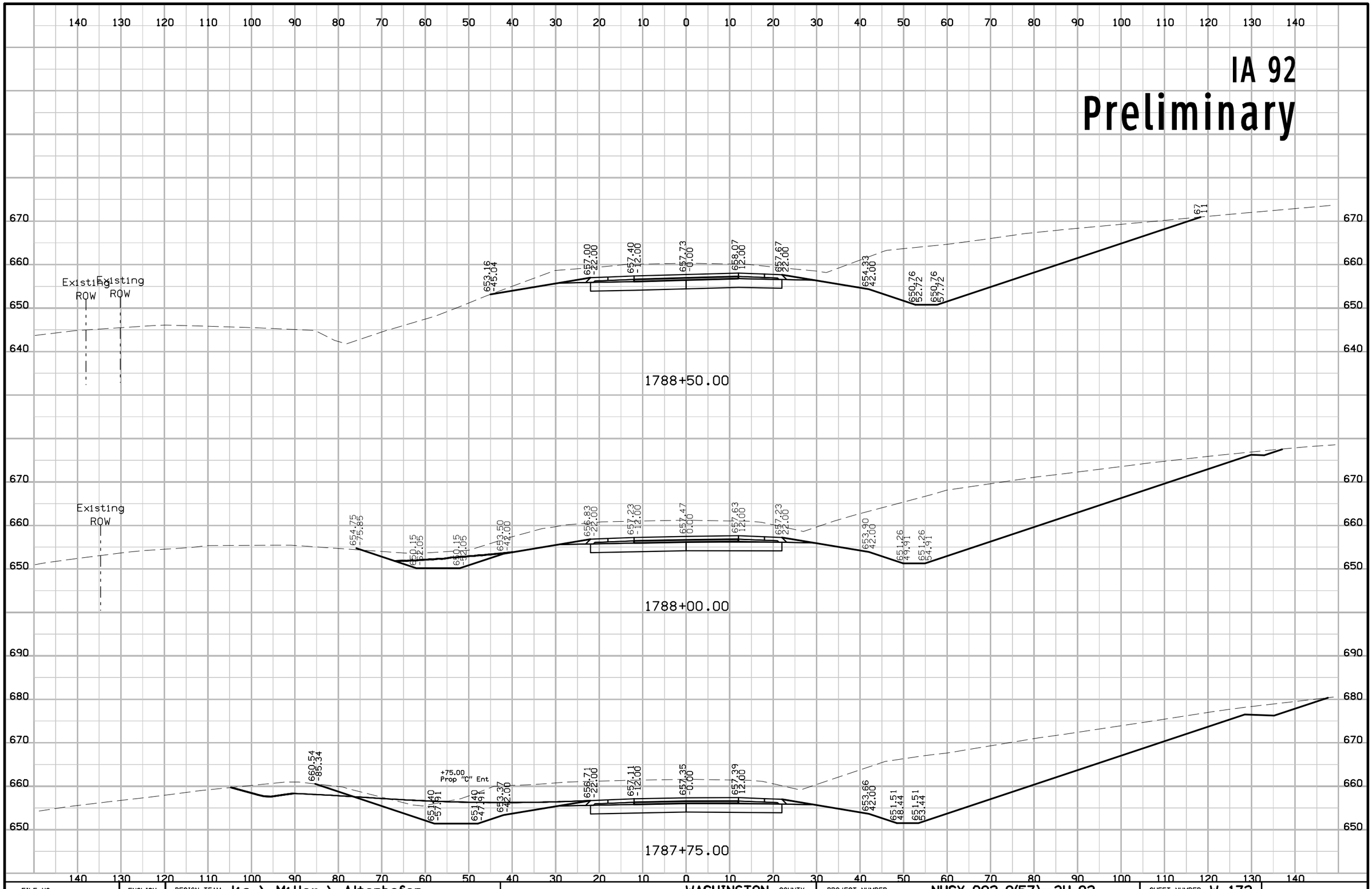
IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.172

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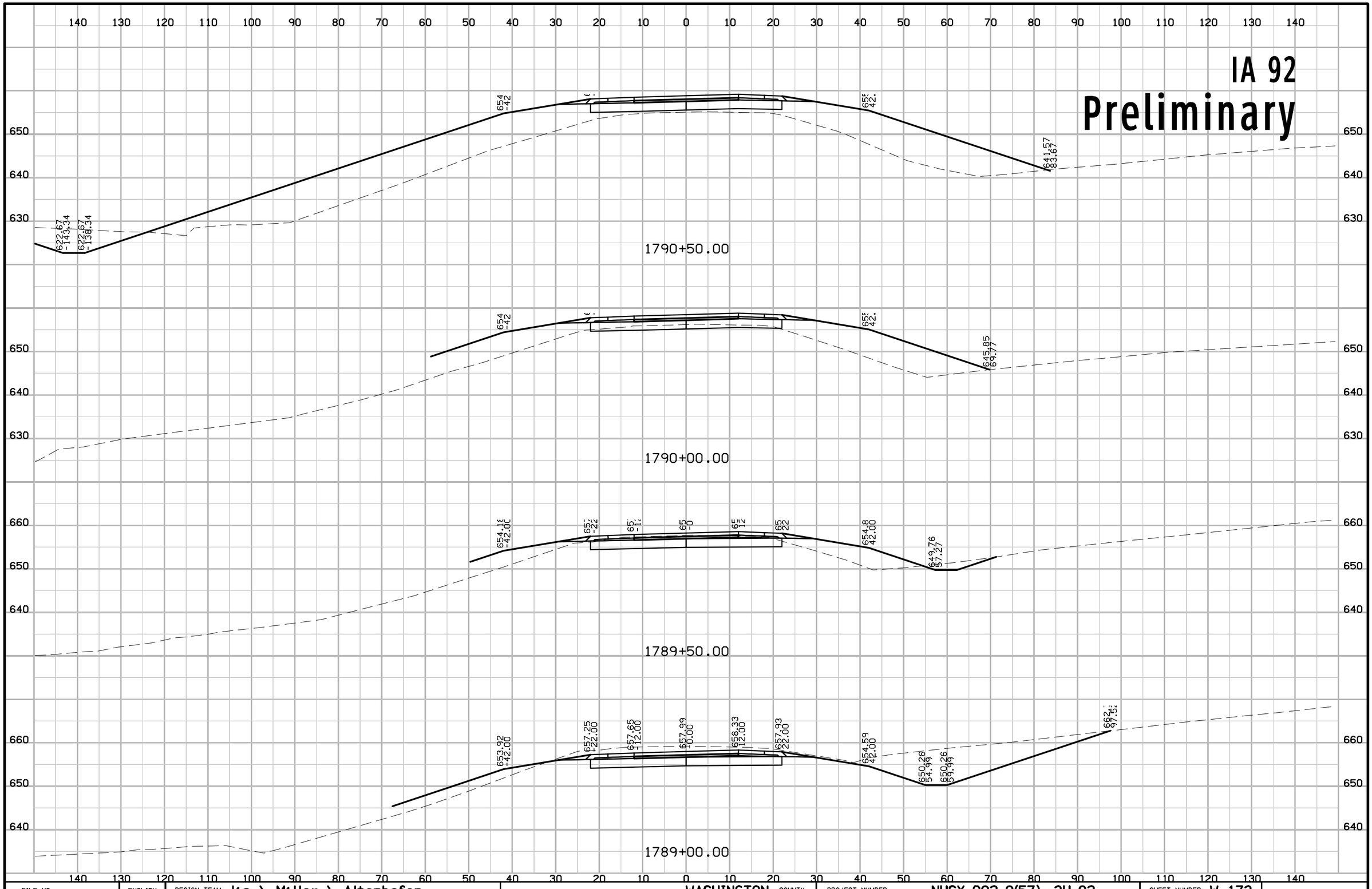
IA 92

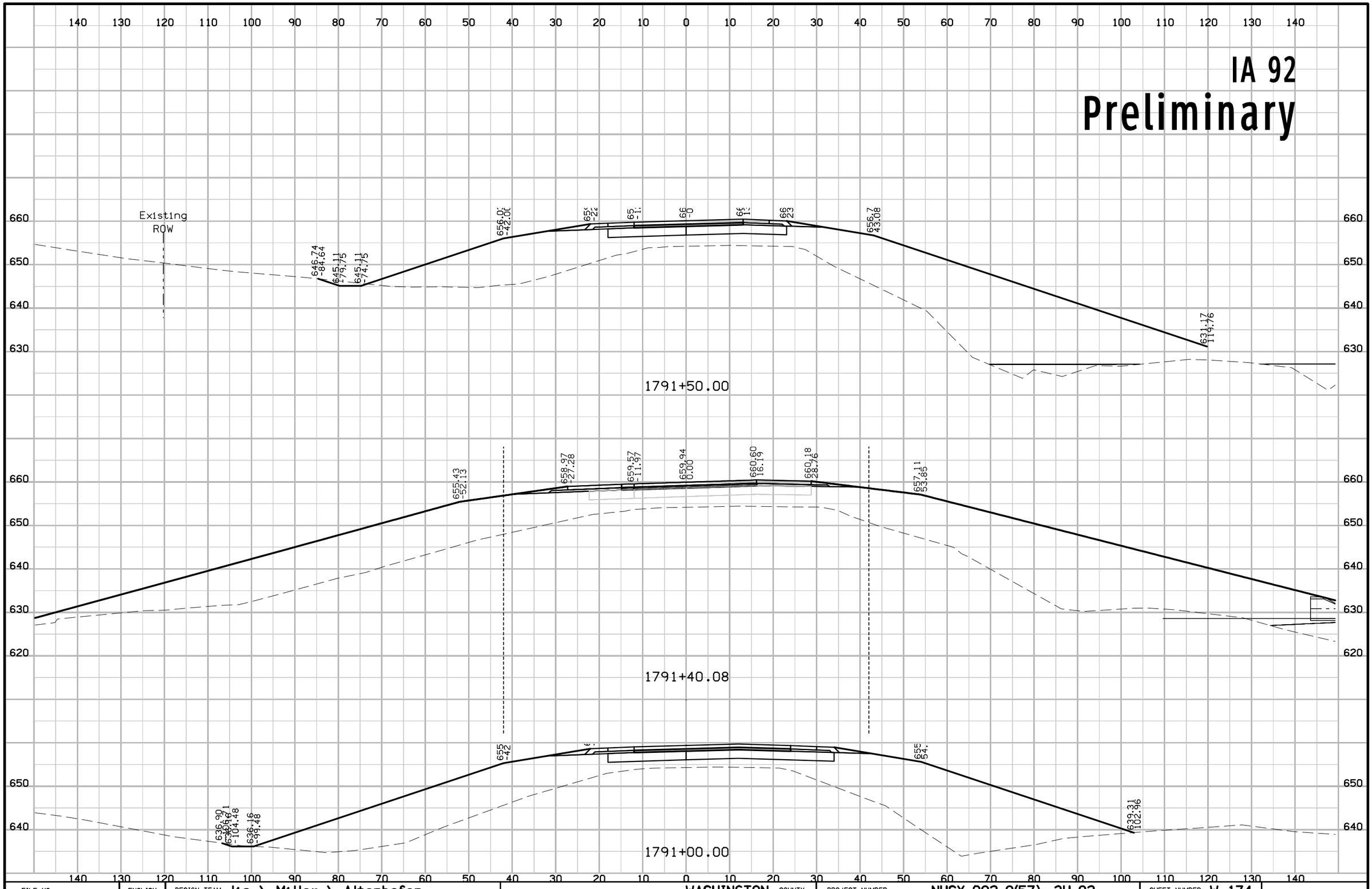
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.173

3:38:00 PM 7/31/2020 adewolf pw:\\ntPwInt1.dot.int.lan:PWMain\Documents\Projects\9209201085\Design\CADD Files\SHT\92092057_W101.dgn

IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.174

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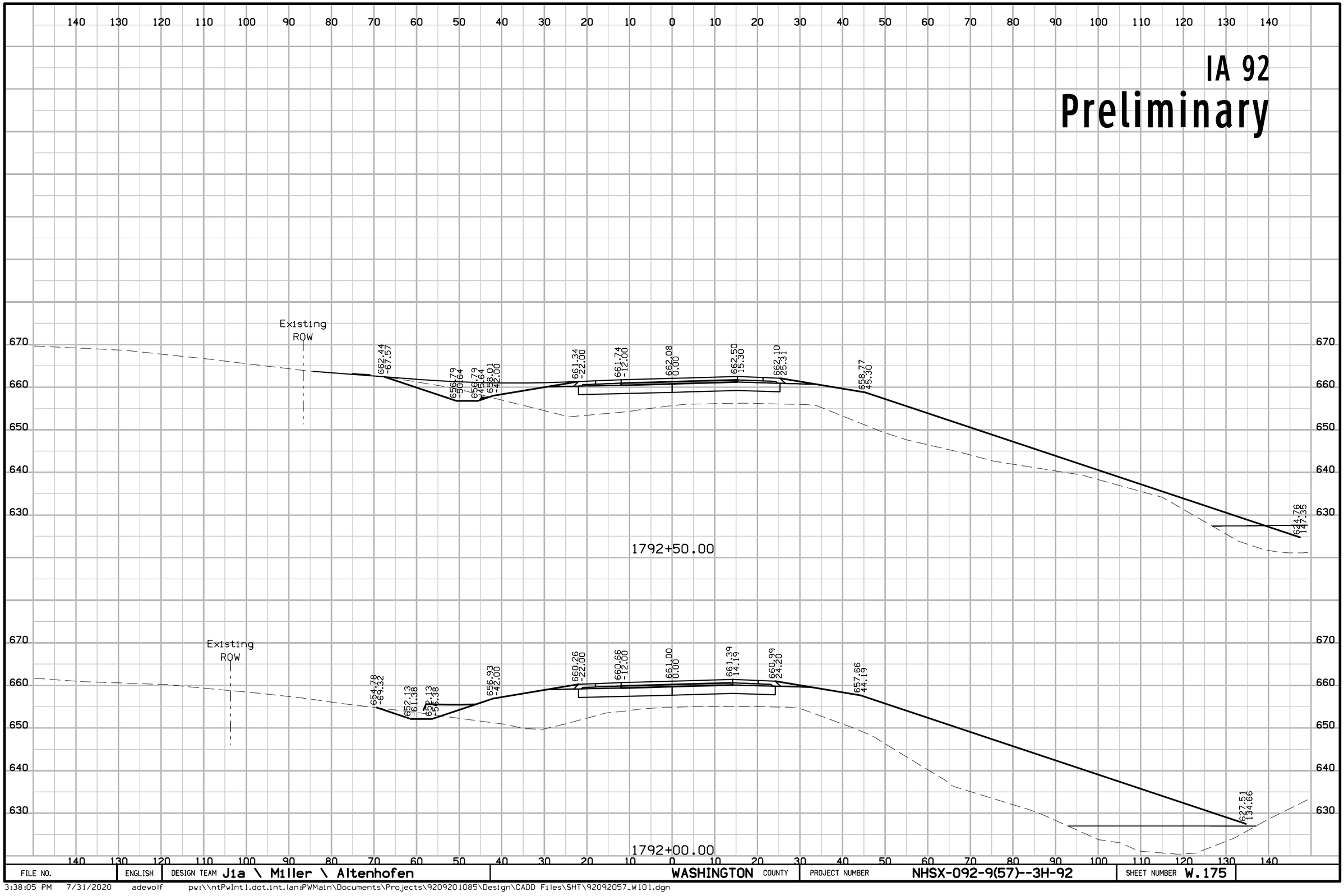
IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM J1a \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.175

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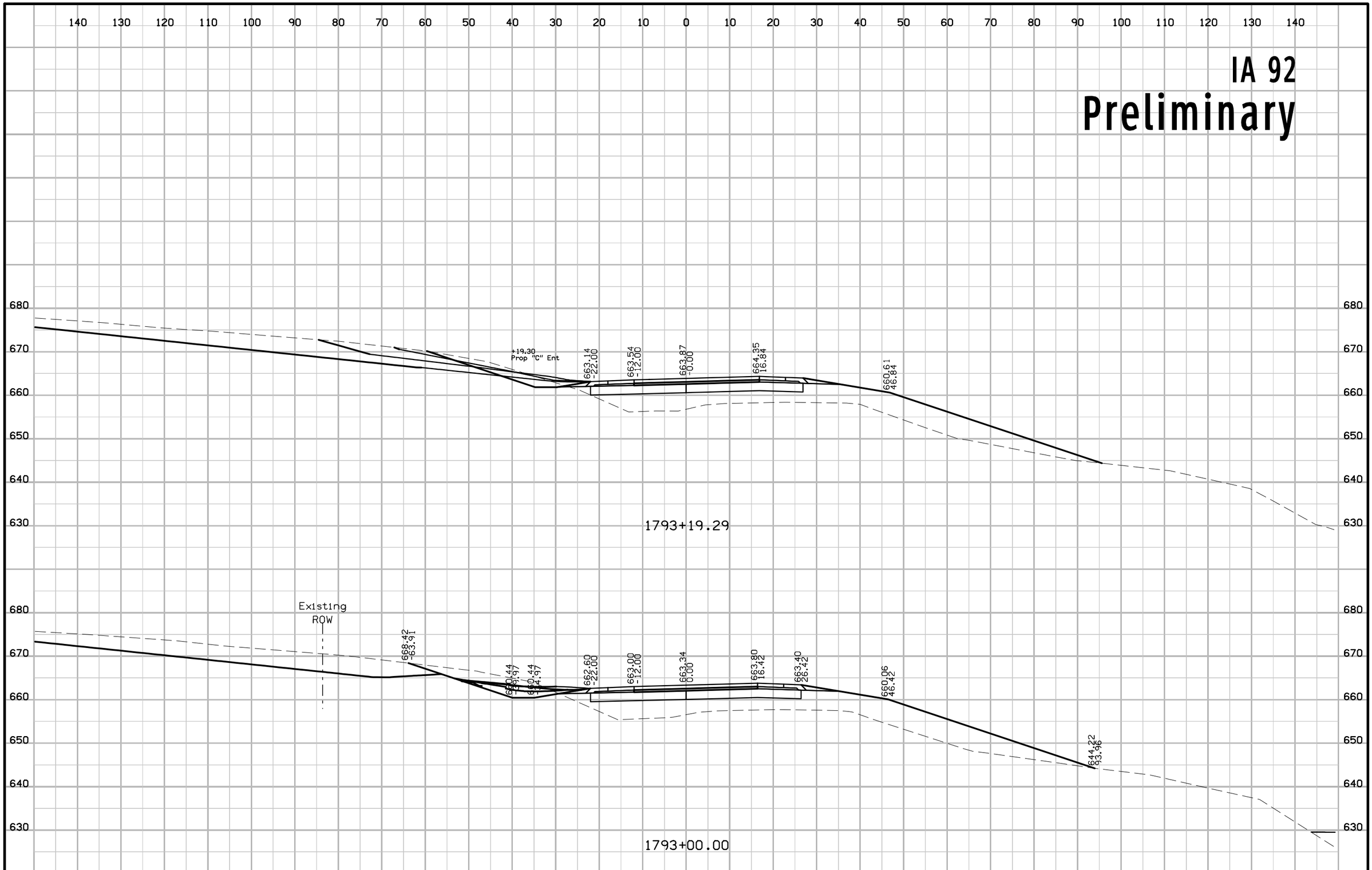
IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.176

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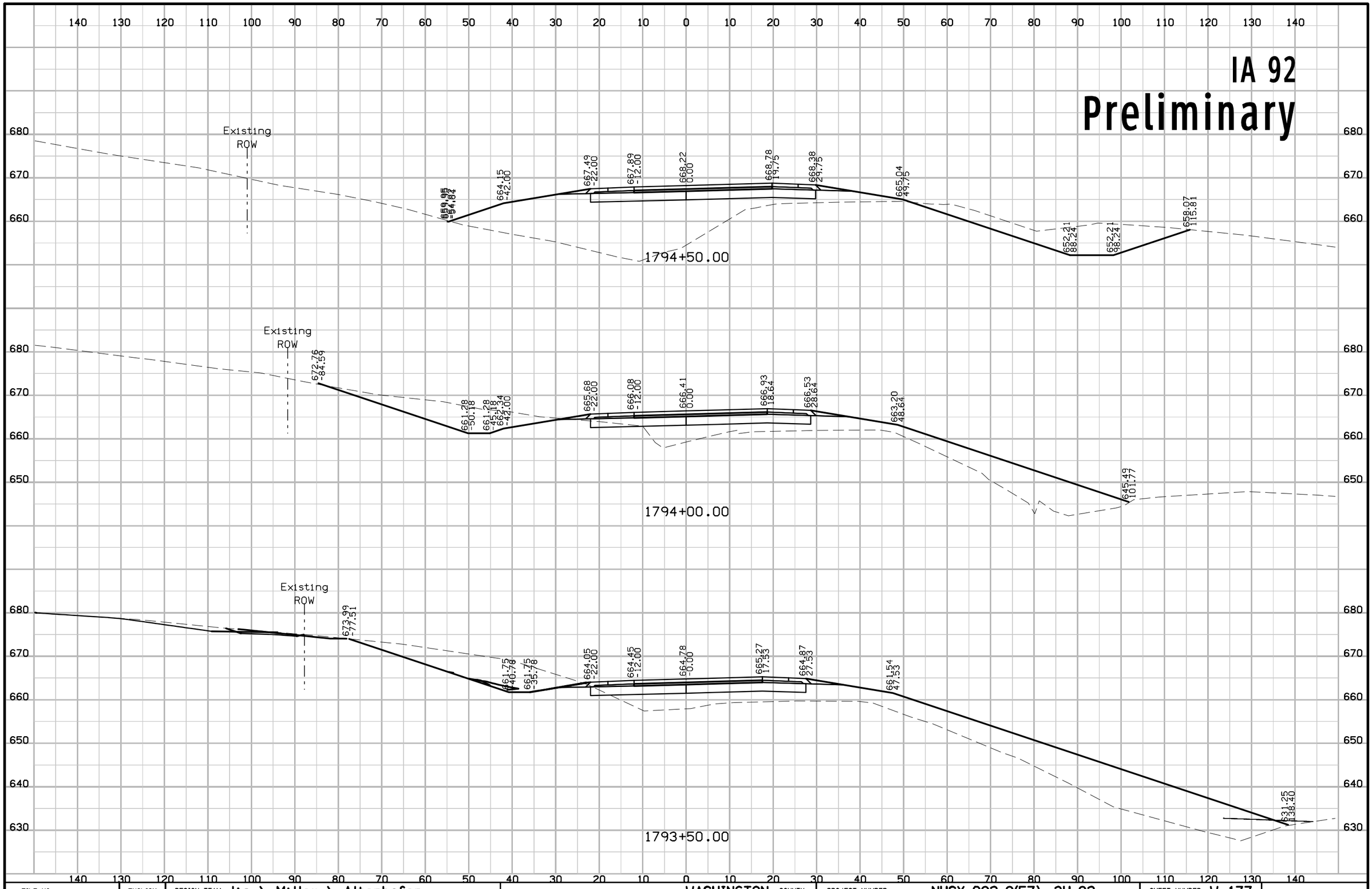
IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.177

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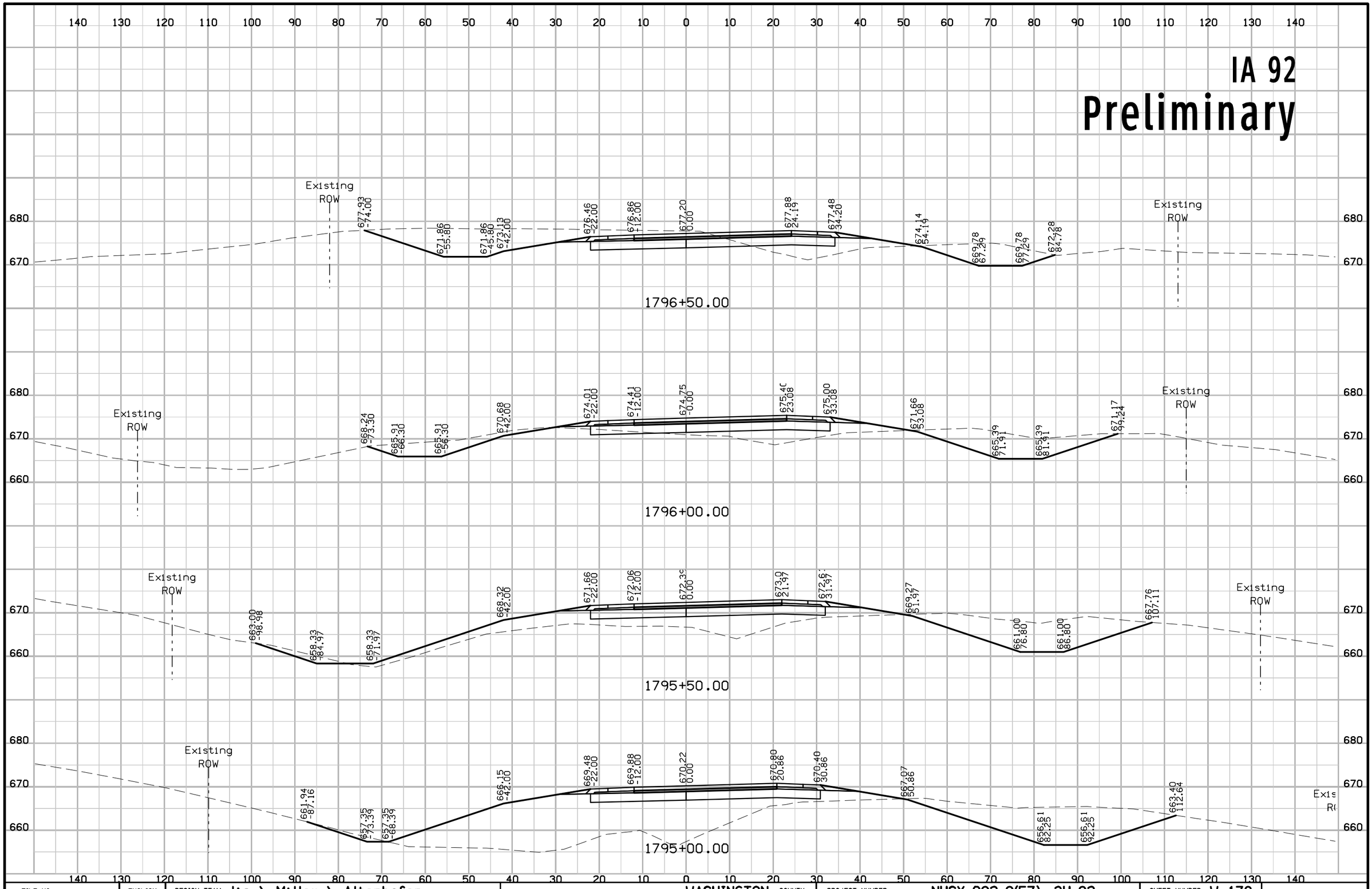
IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM J1a \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.178

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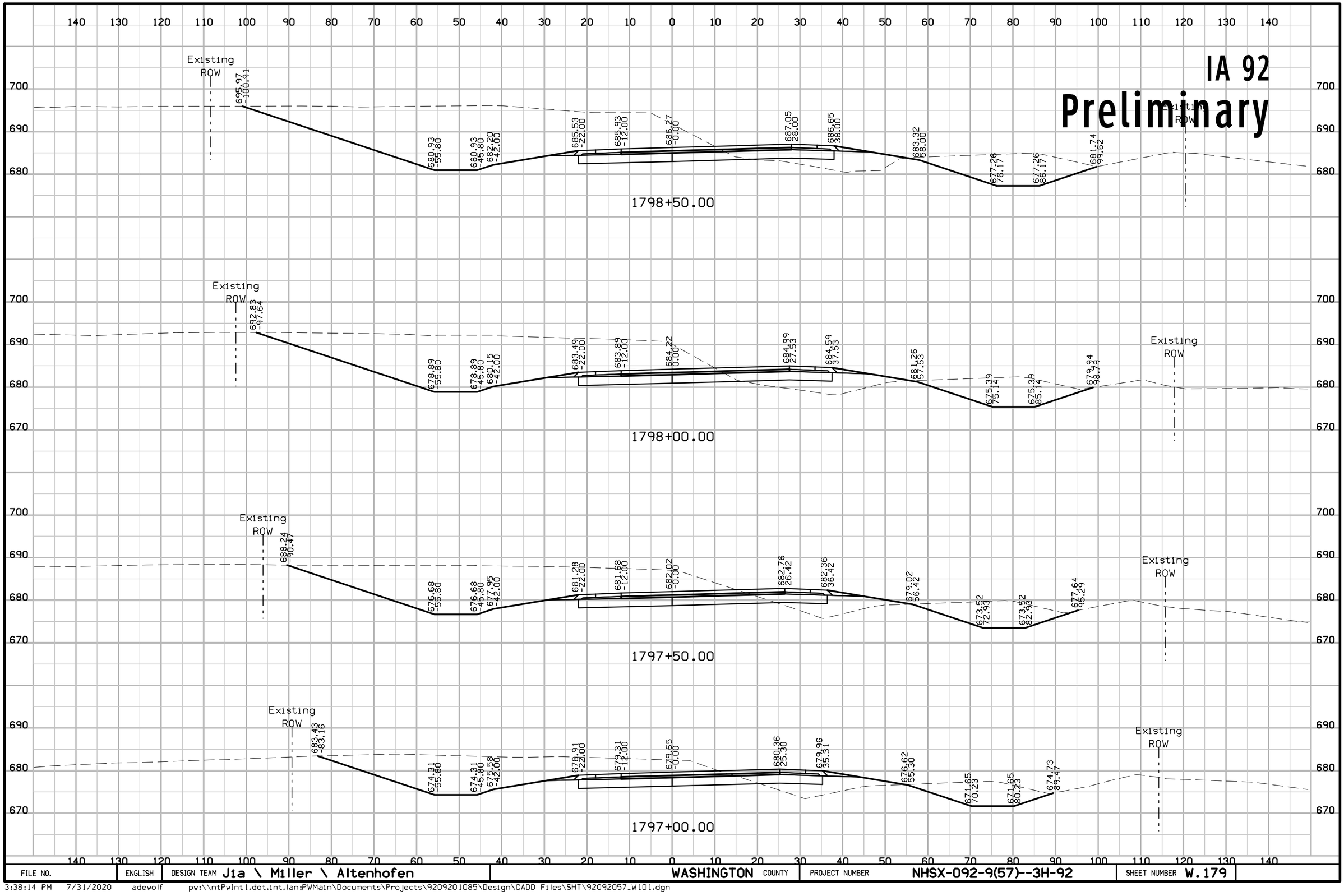
IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.179

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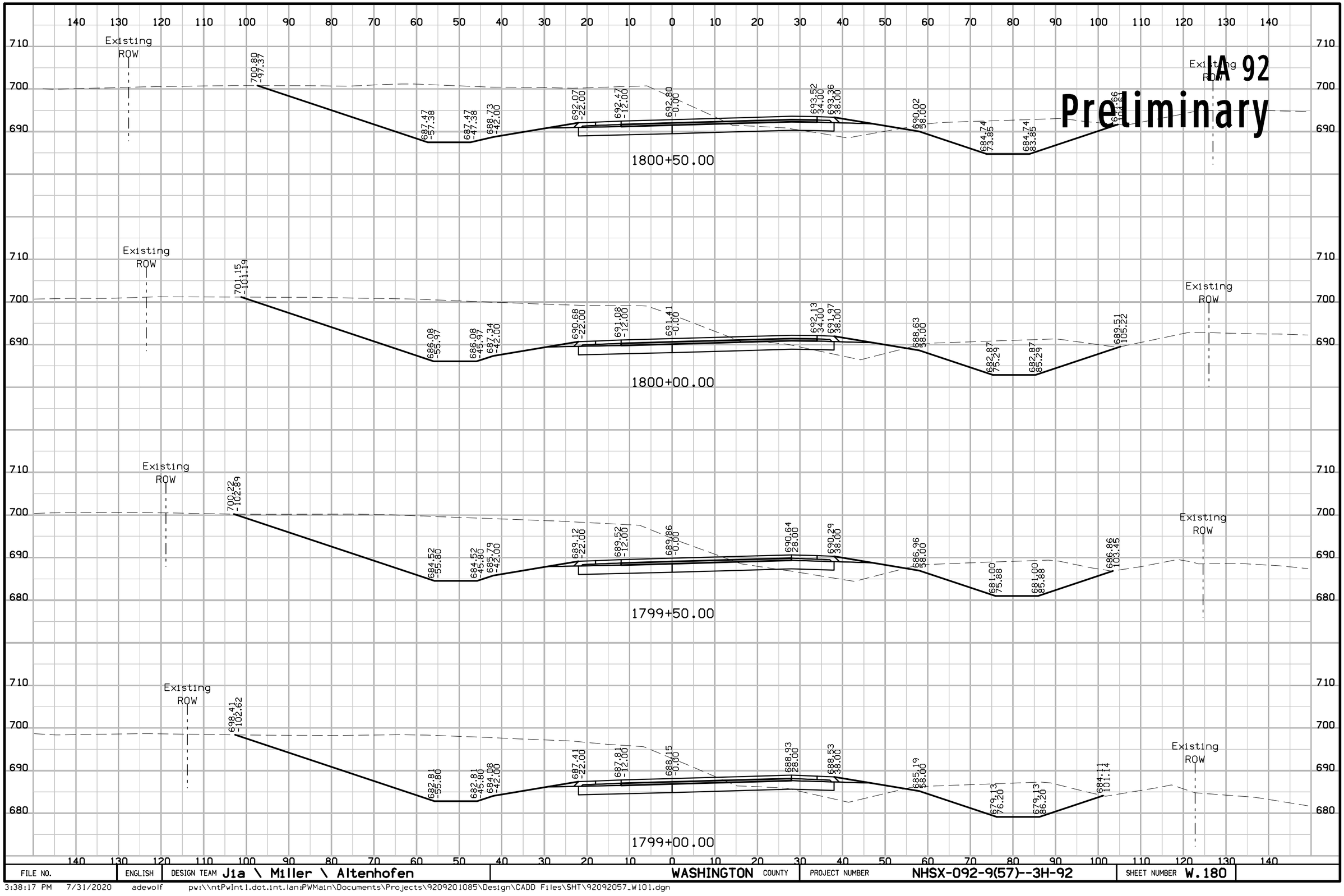
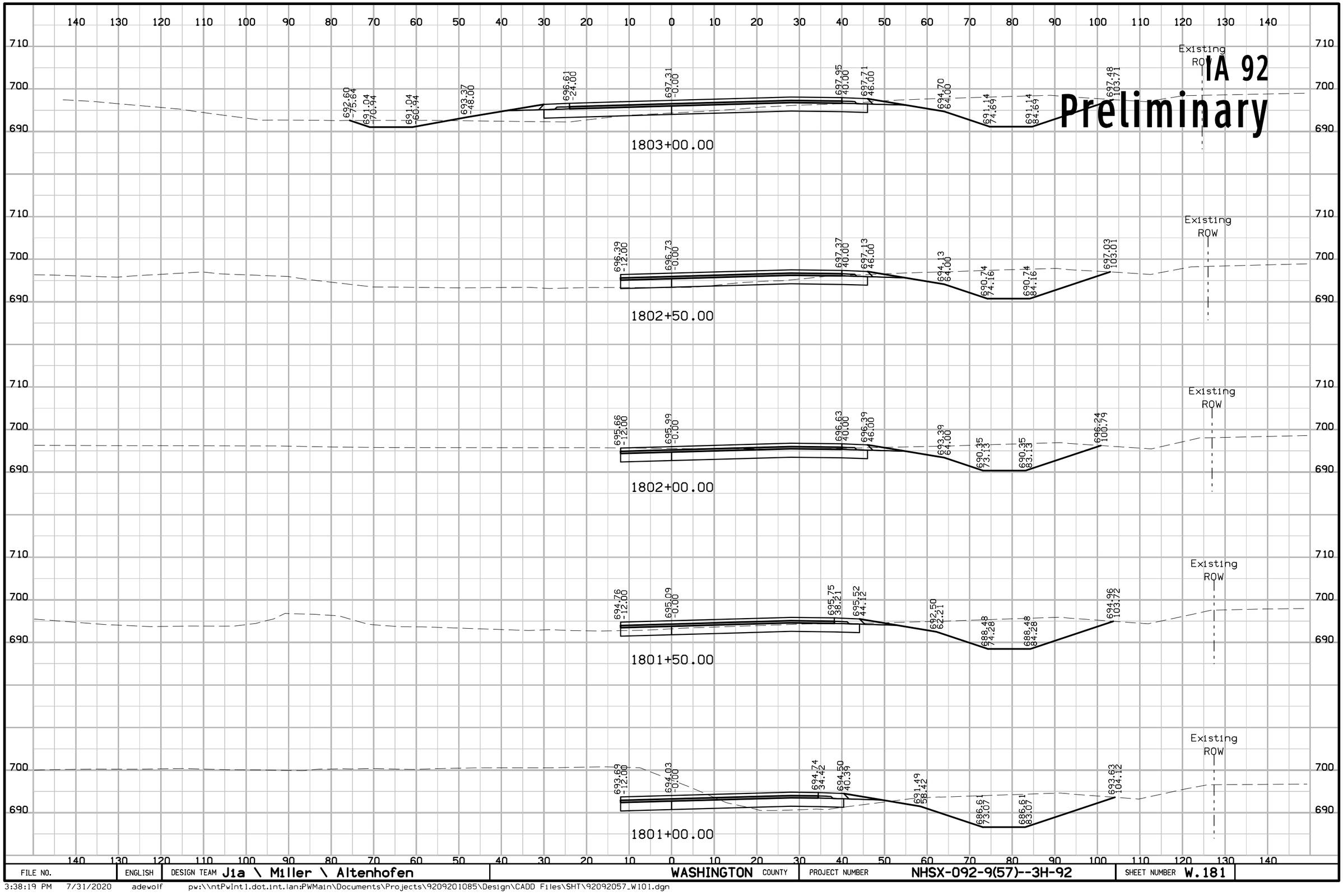
IA 92

Preliminary



FILE NO.	ENGLISH	DESIGN TEAM J1a \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.180



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.181

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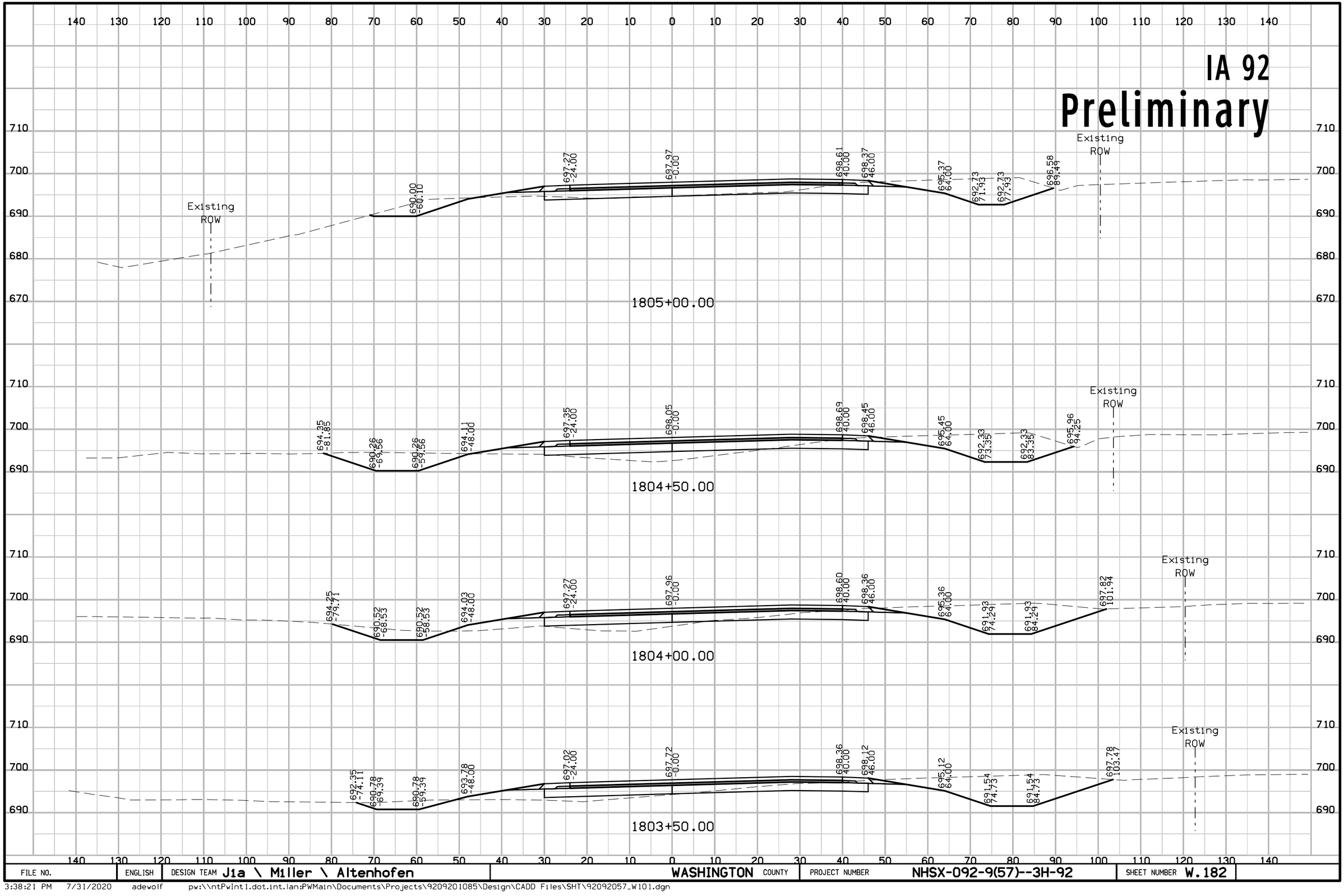
IA 92

Preliminary



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.182

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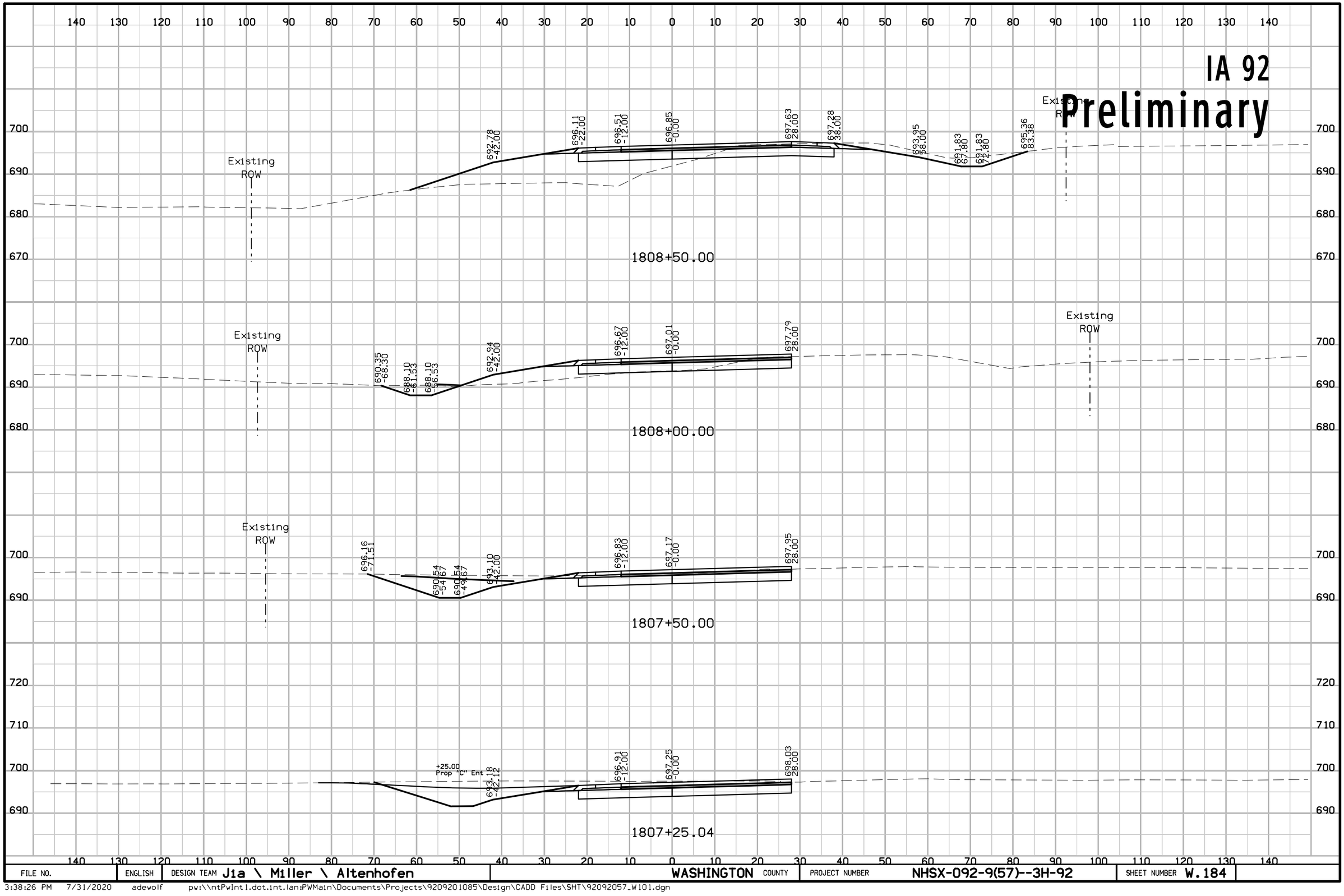
IA 92
Preliminary

FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.183

3:38:24 PM 7/31/2020 adewolf pw:\\ntPwInt1.dot.int.lan:PWMain\Documents\Projects\9209201085\Design\CADD Files\SHT\92092057_W101.dgn

IA 92

Preliminary



FILE NO.	ENGLISH	DESIGN TEAM J1a \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.184

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IA 92

Preliminary

140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140

700 690 680 670 660 650

692.46 -42.00
695.79 -22.00
696.19 -12.00
696.53 -0.00
697.28 26.64
696.92 36.64
693.59 56.64
691.69 62.32
691.69 67.32
693.74 73.46
Existing ROW
Existing ROW

1809+50.00

695.86 -22.16
696.26 -12.09
696.60 -0.00
697.38 27.57
697.03 37.68
691.42 64.83
17° ELBOW
17° ELBOW
7.5°/D' SEC
661.85 -134.87

1809+28.00

692.62 -42.00
695.95 -22.00
696.35 -12.00
696.69 -0.00
697.47 28.00
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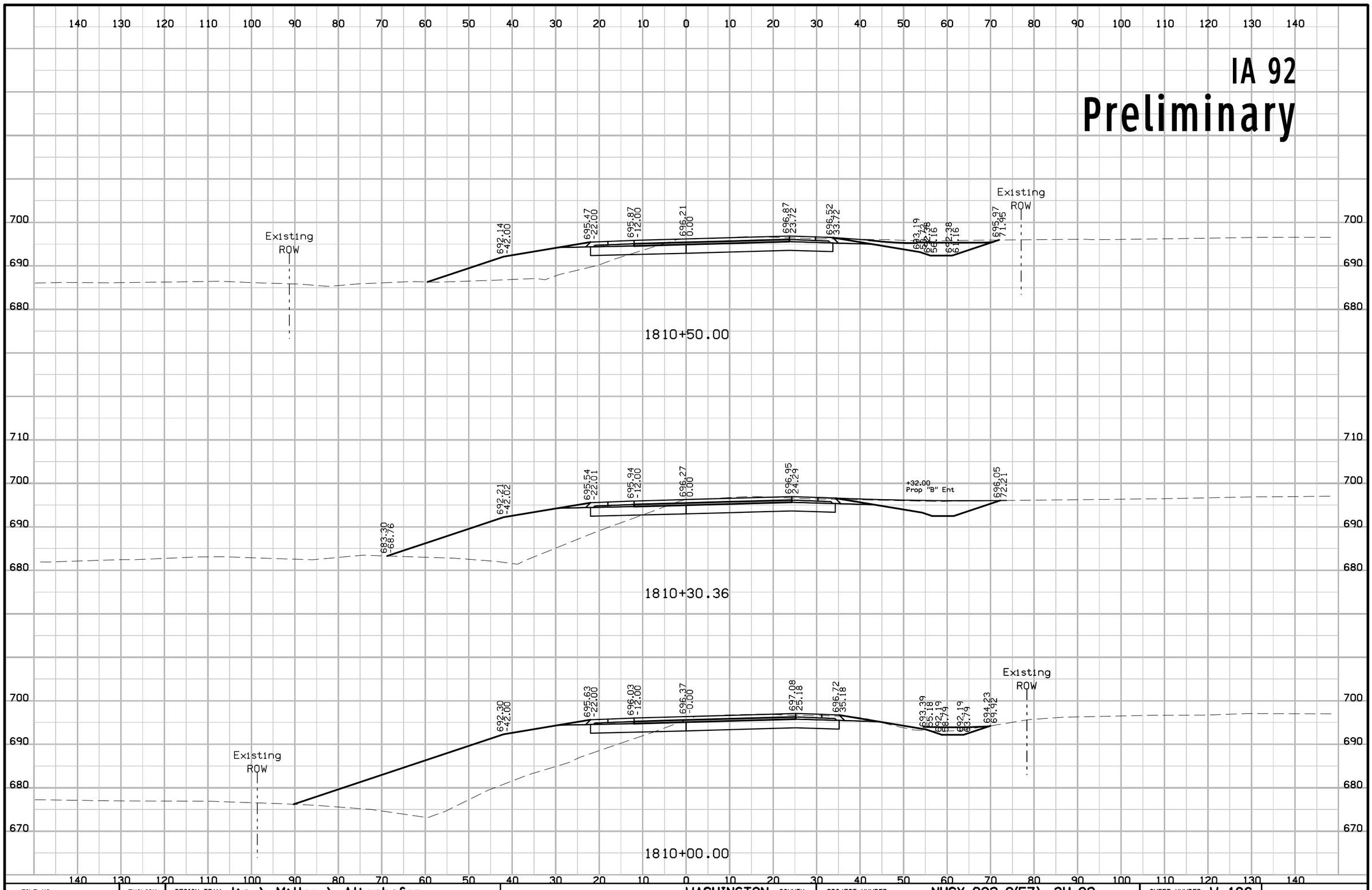
691.53 70.54
695.18 81.49
Existing ROW
Existing ROW

1809+00.00

FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.185

3:38:28 PM 7/31/2020 adewolf pw:\\ntPwInt1.dot.int.lan:PWMain\Documents\Projects\9209201085\Design\CADD Files\SHT\92092057_W101.dgn

IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.186

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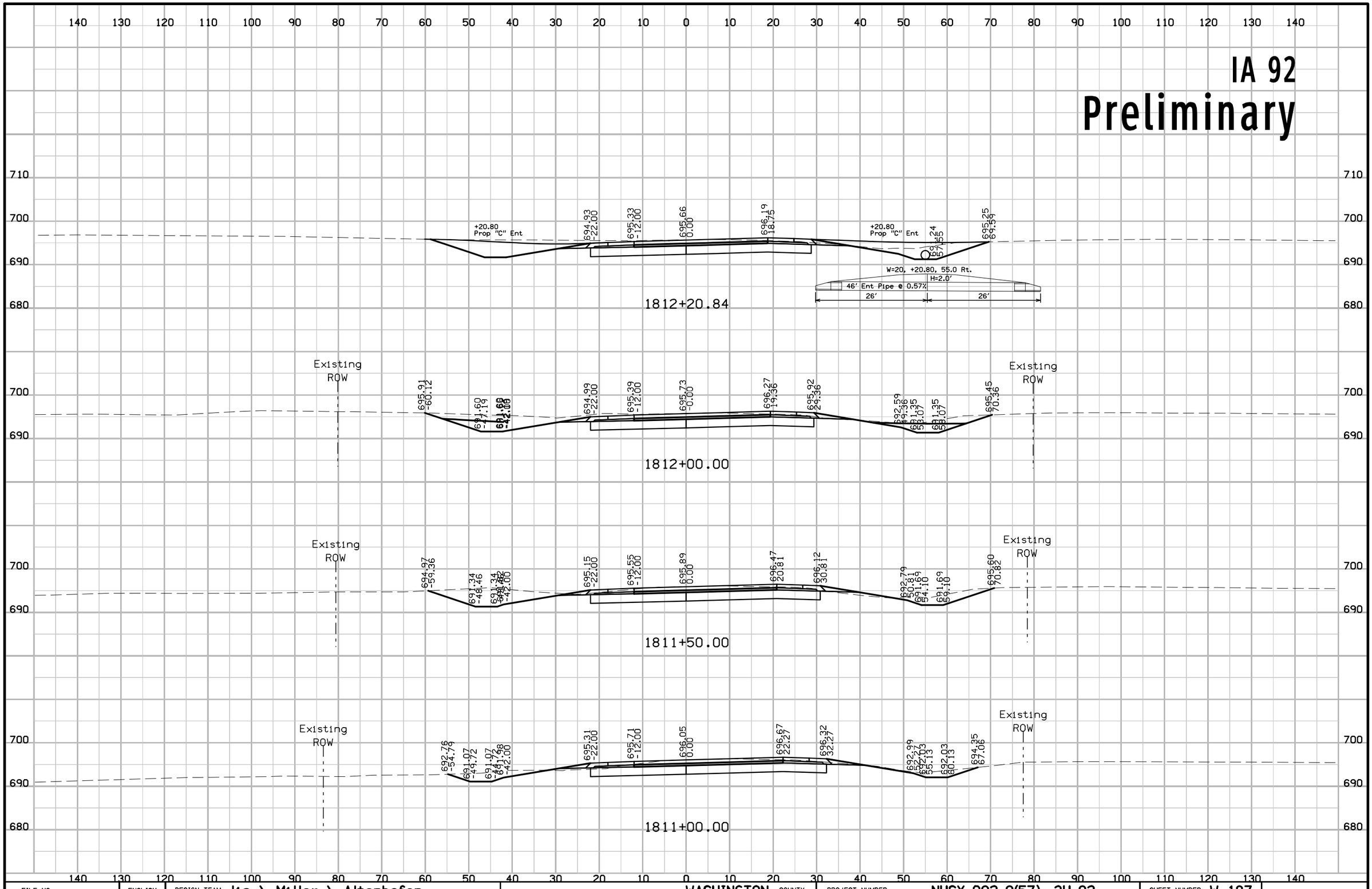
IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.187

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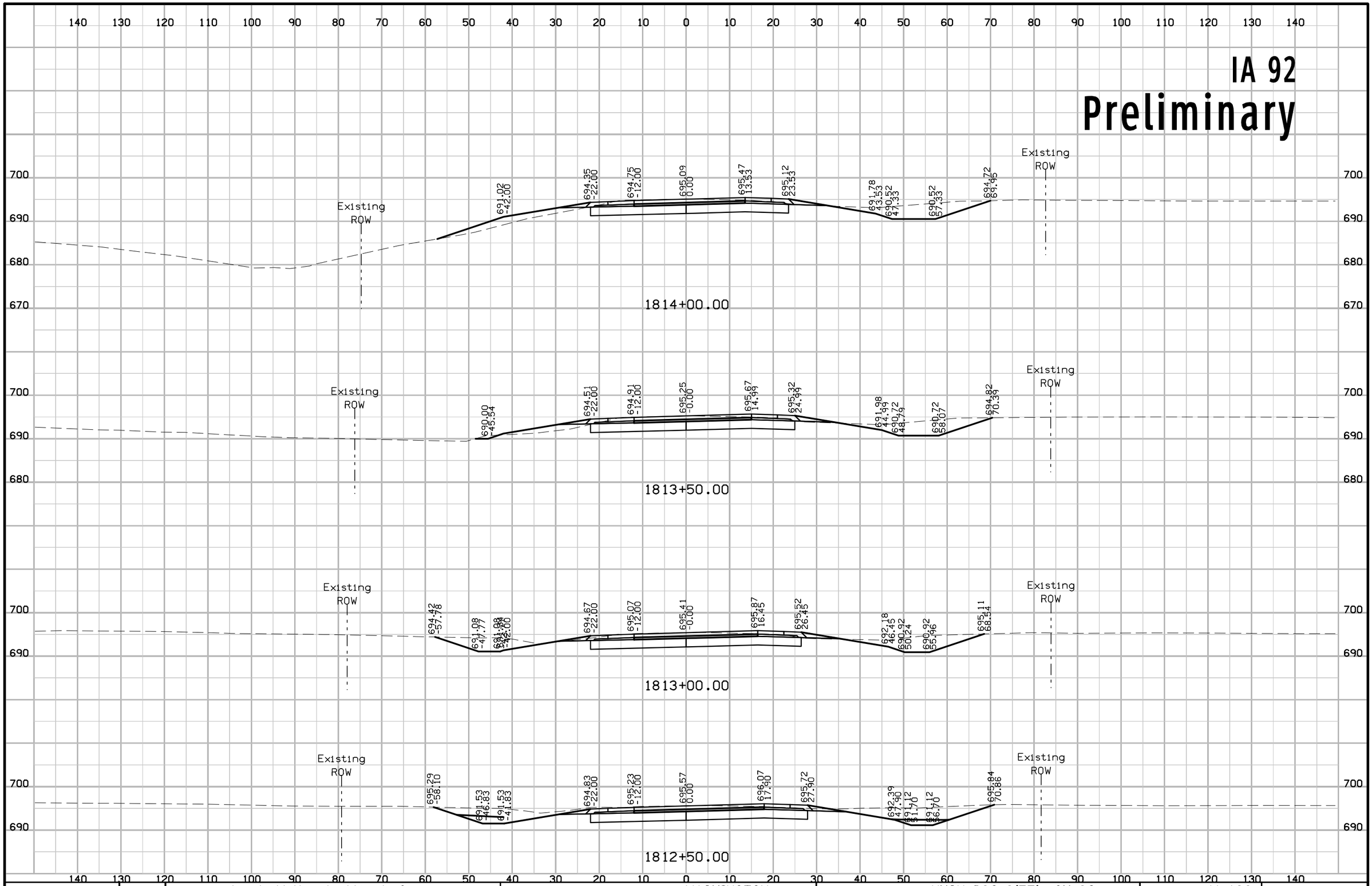
IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM J1a \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.188

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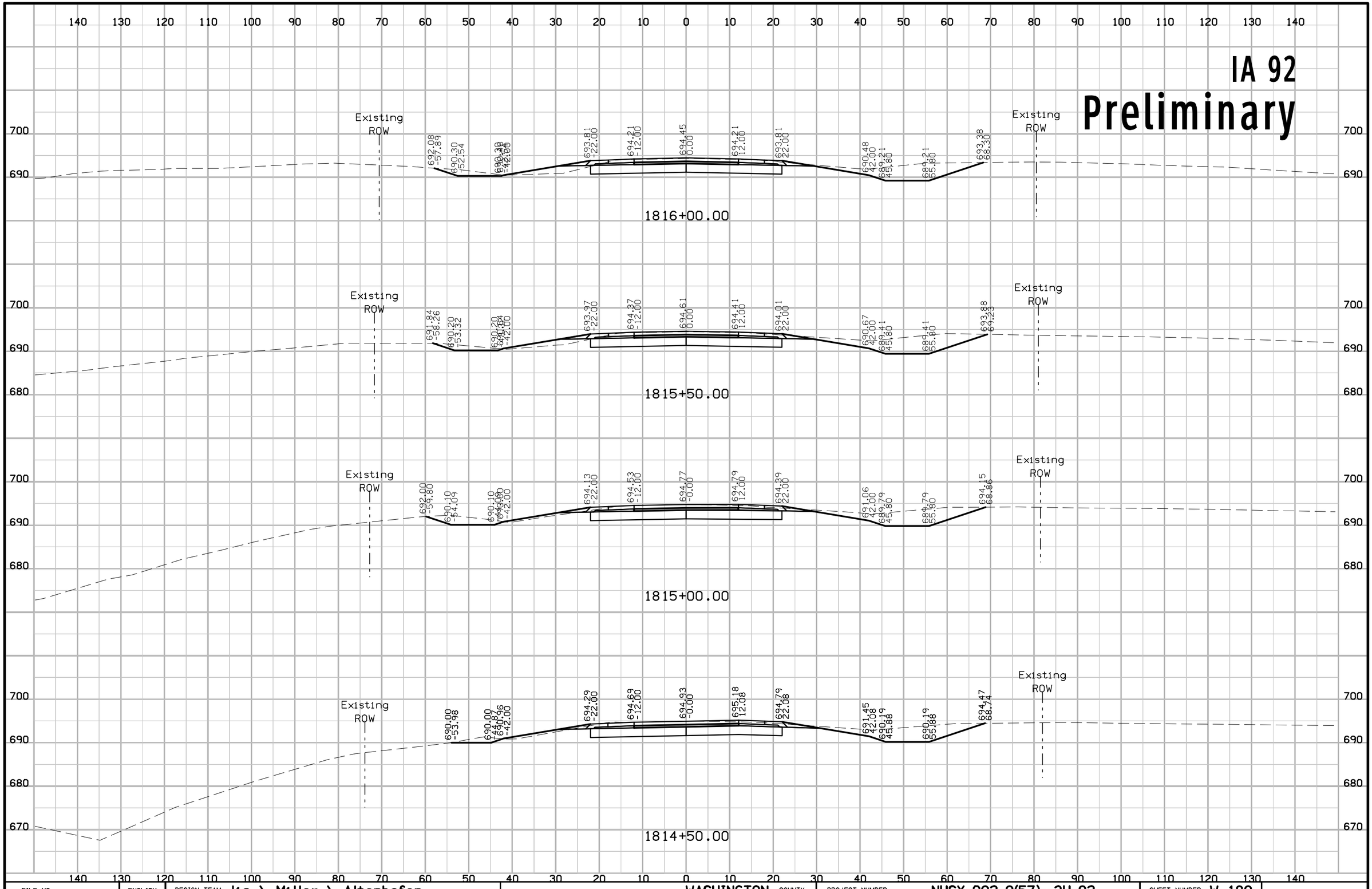
IA 92

Preliminary



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.189

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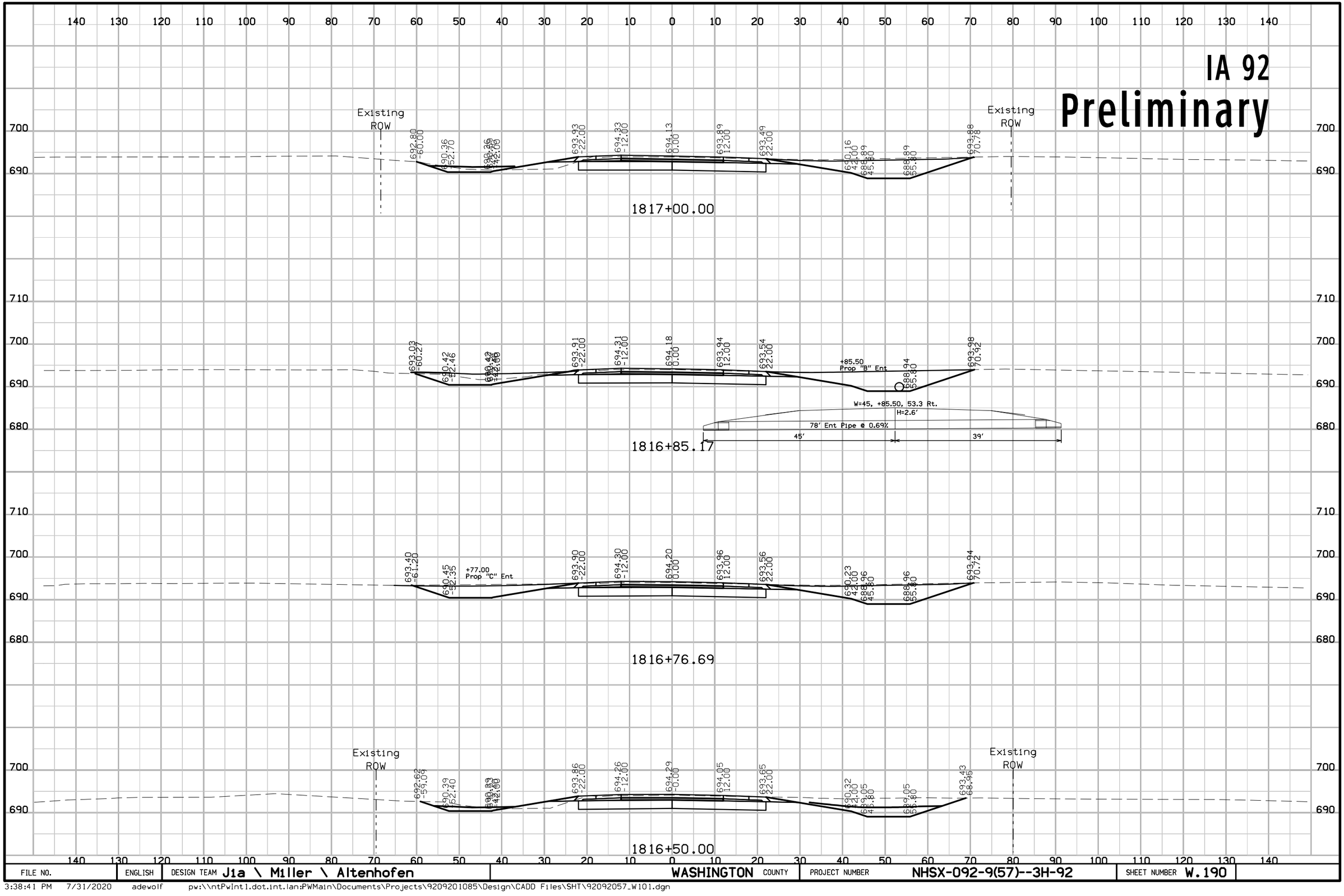
IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM J1a \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.190

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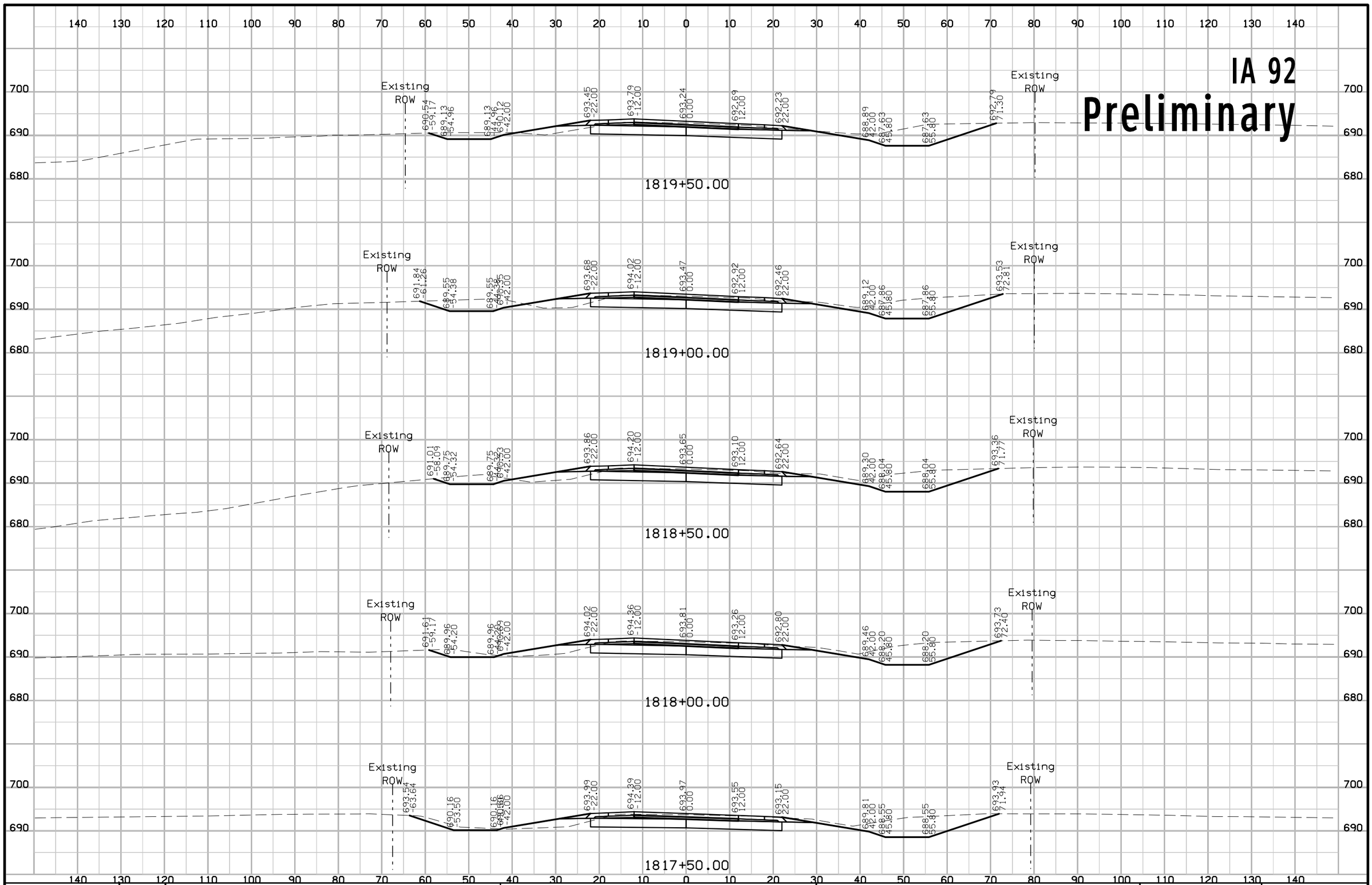
IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.191

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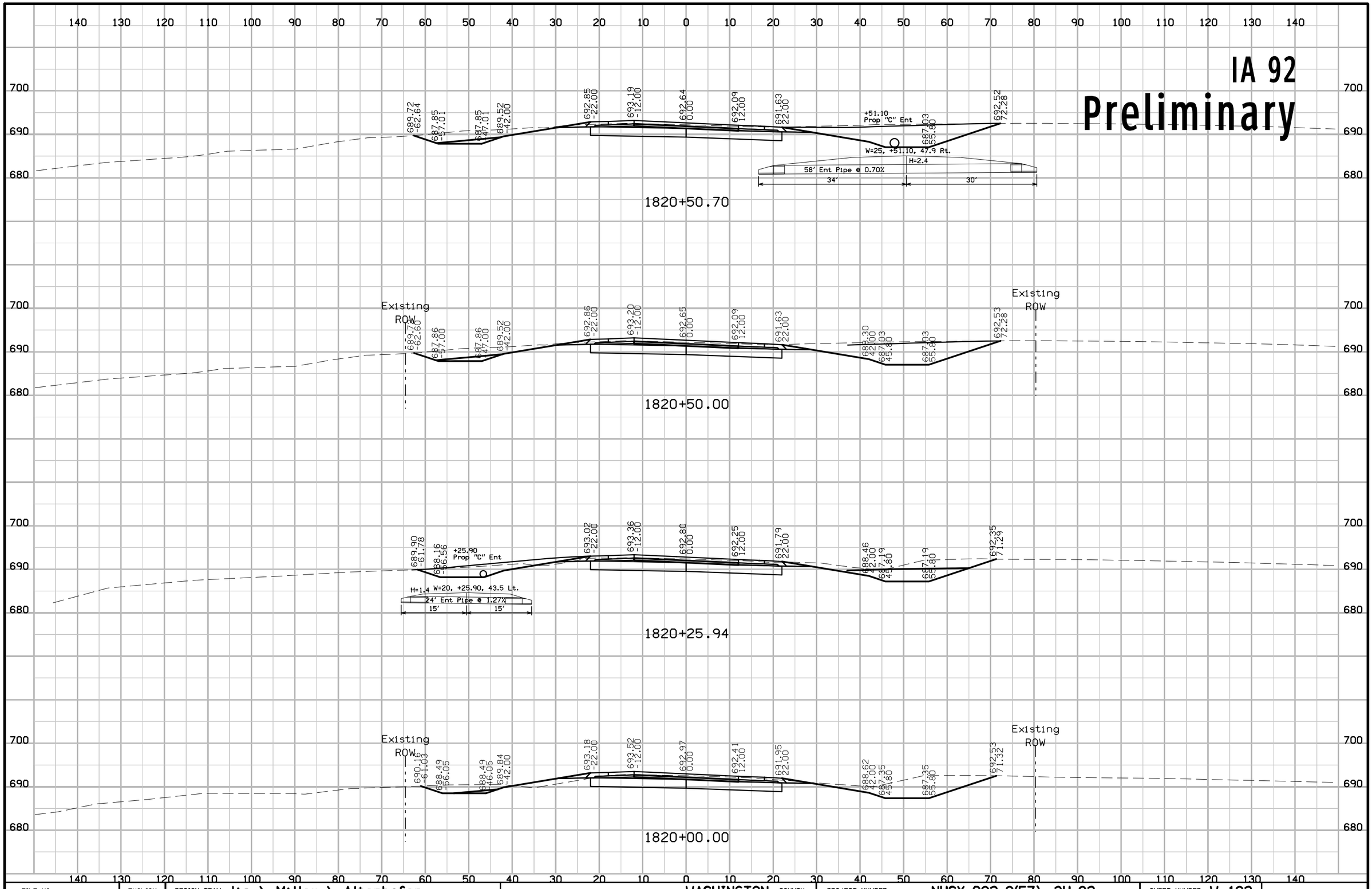
IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.192

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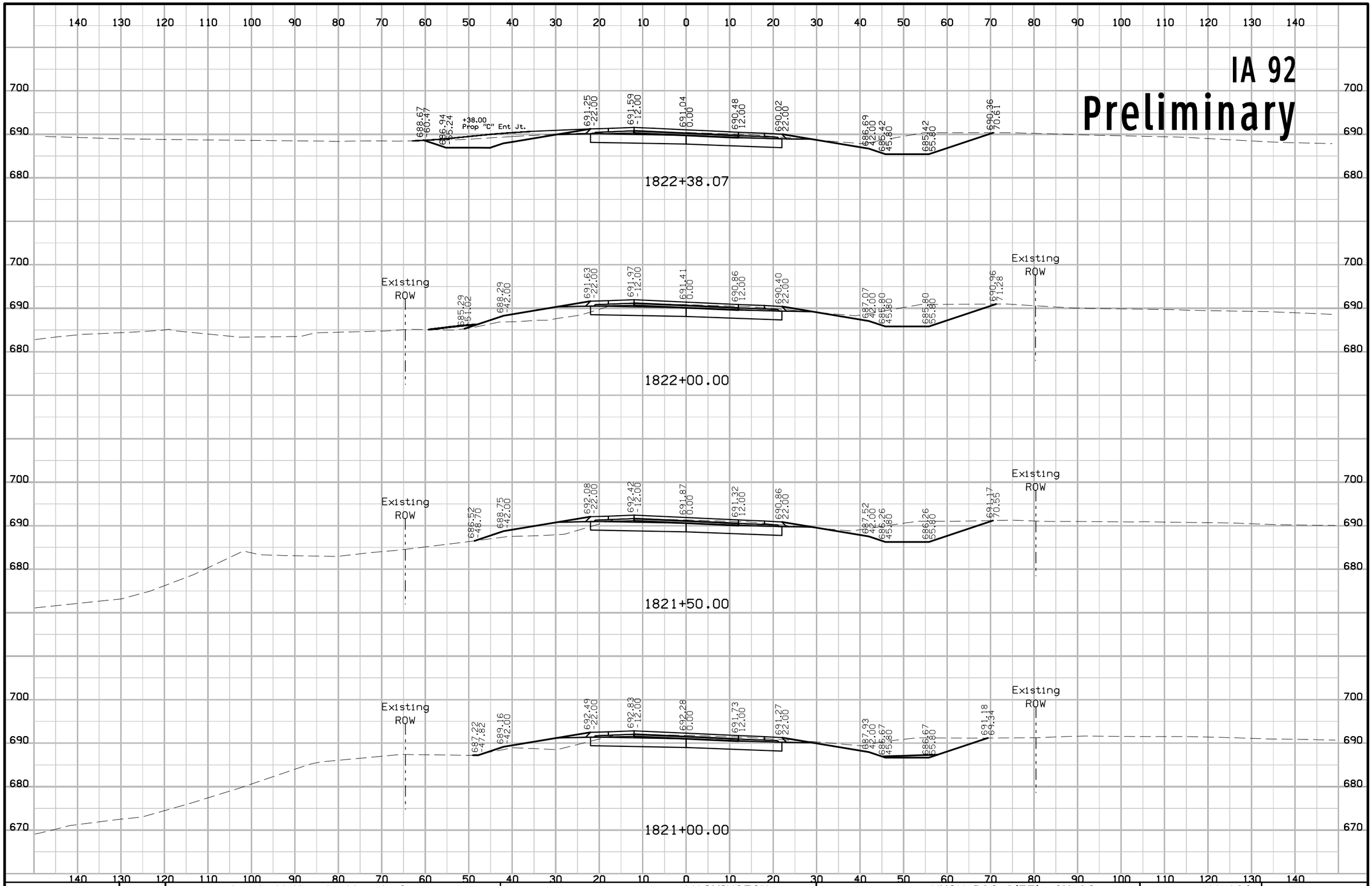
IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.193

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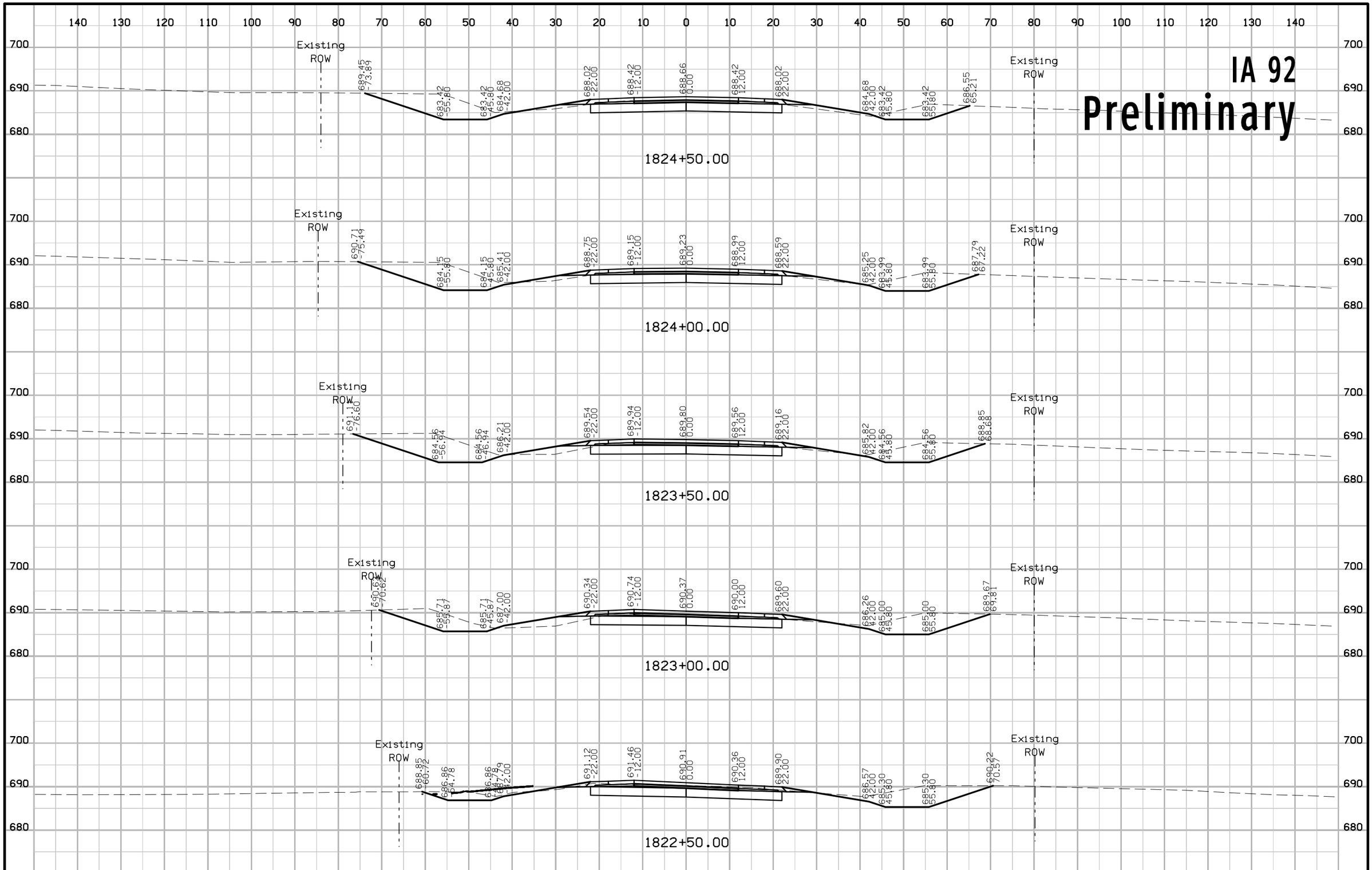
IA 92

Preliminary



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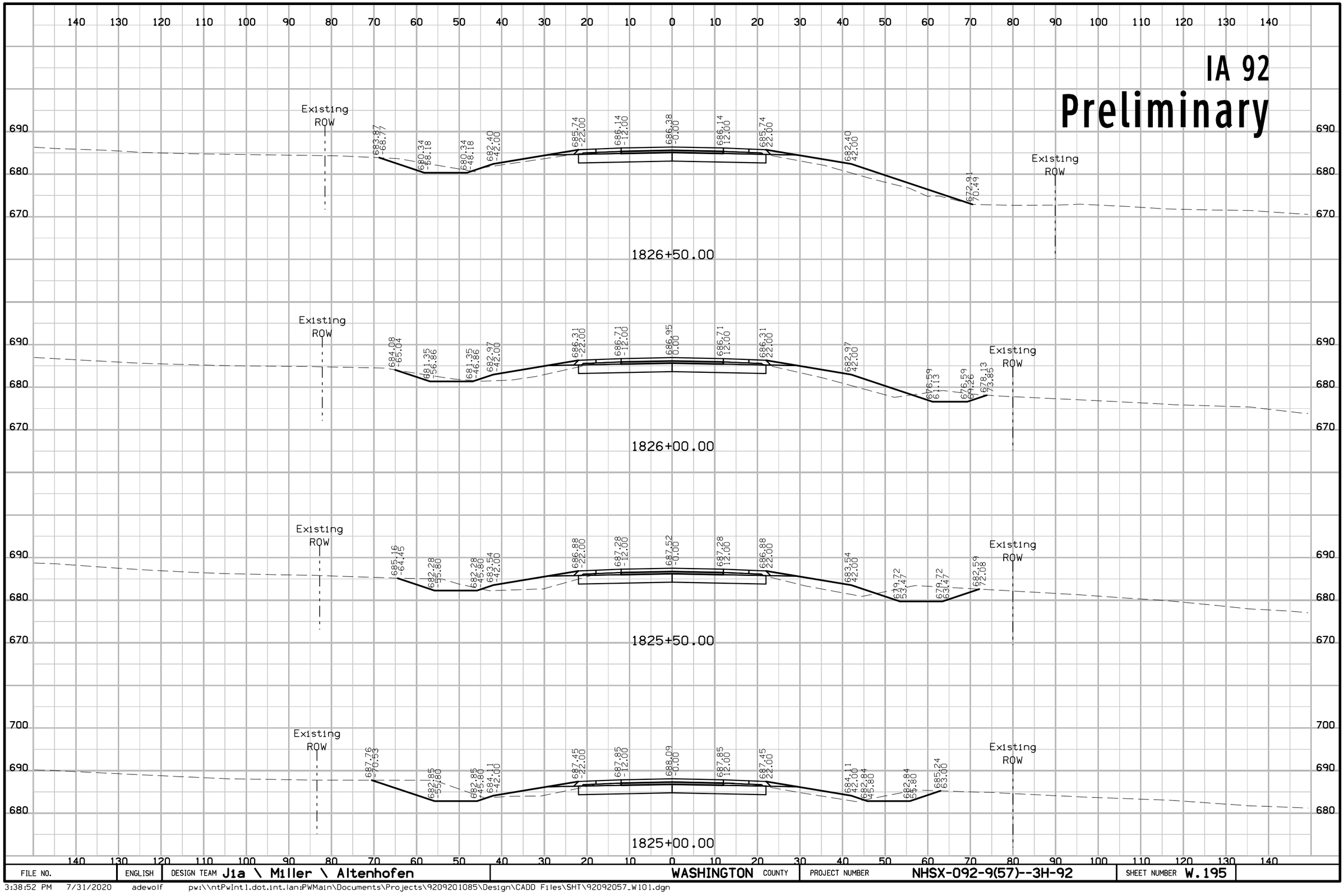
IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM J1a \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.195

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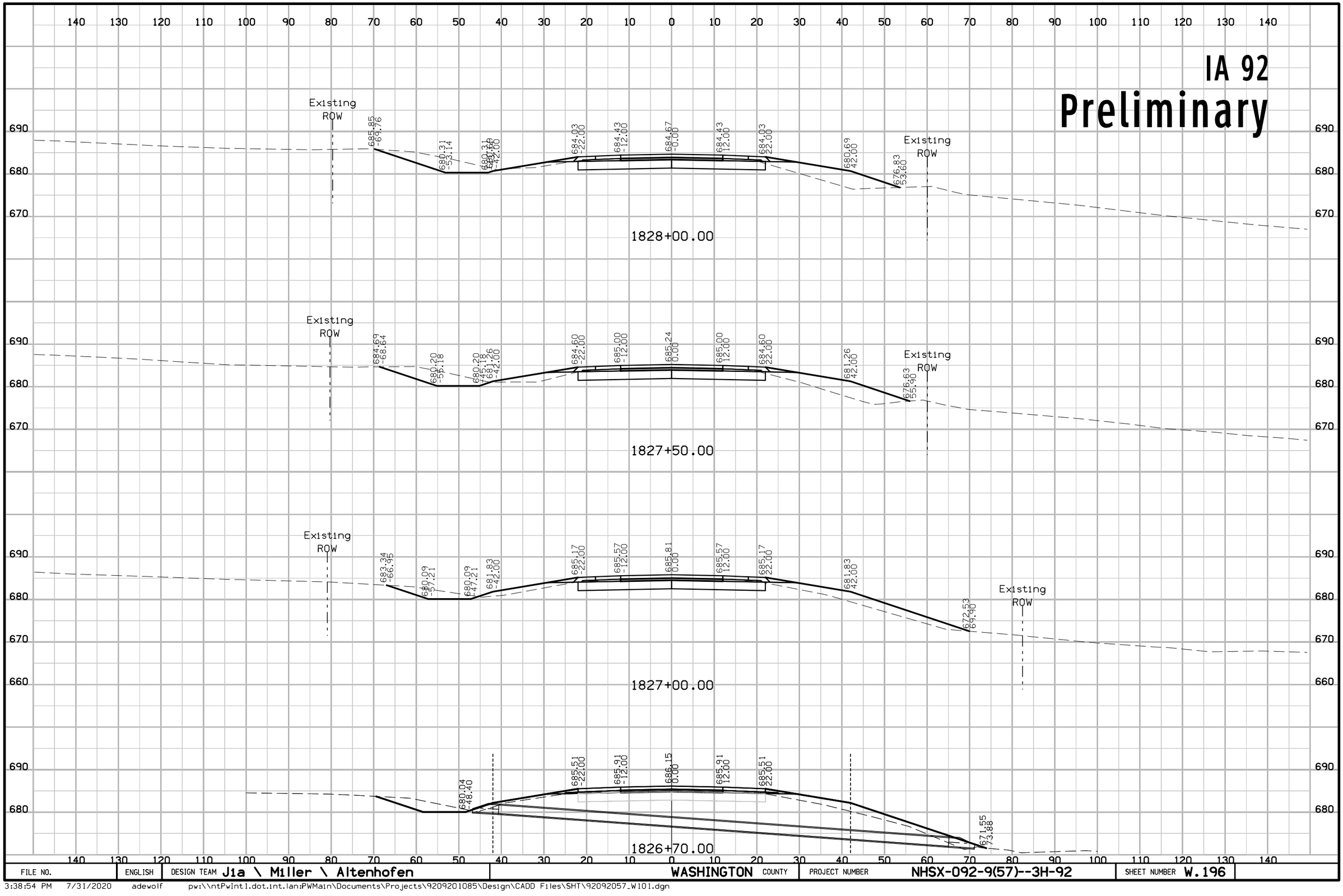
IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.196

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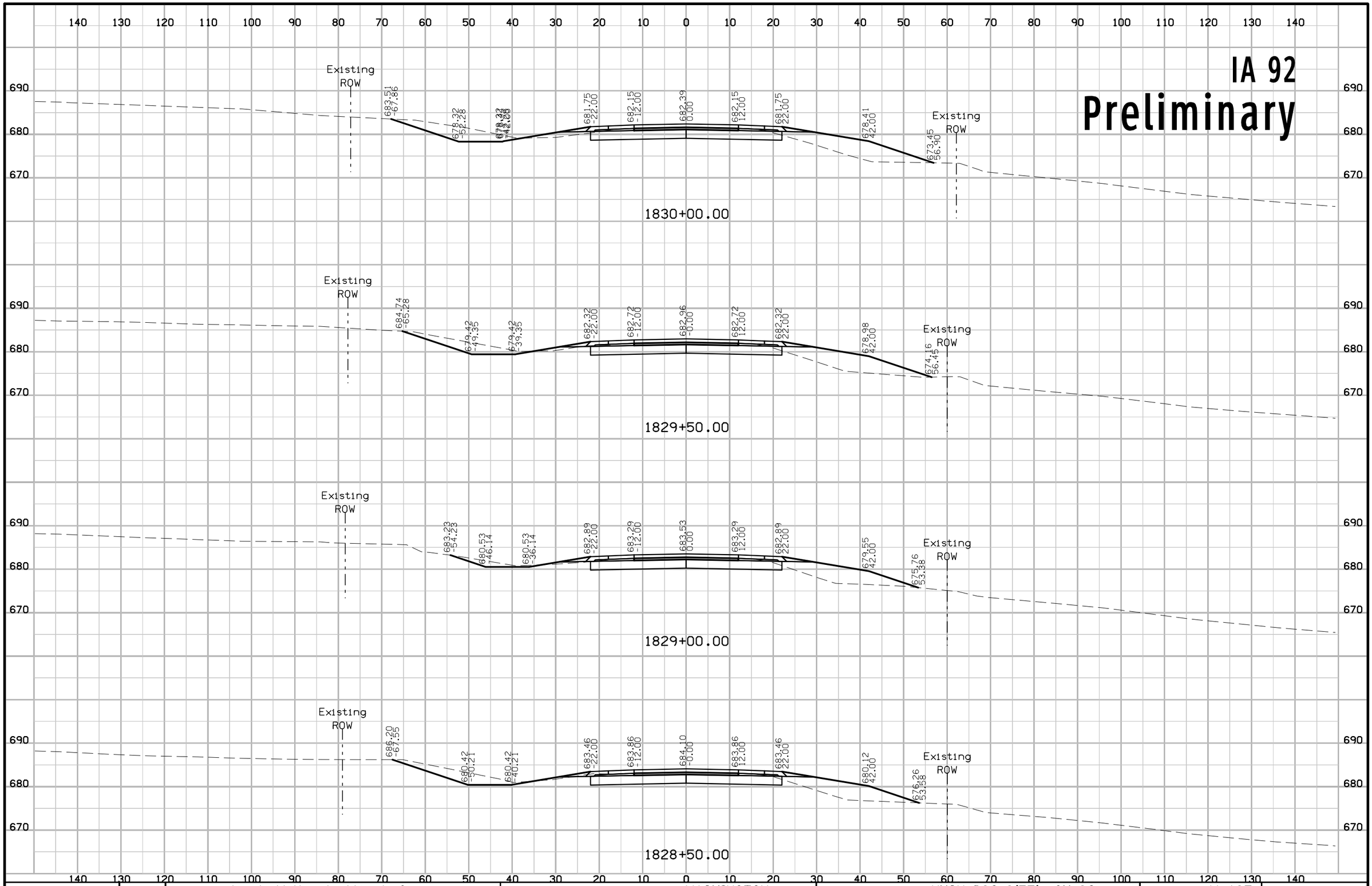
IA 92
Preliminary



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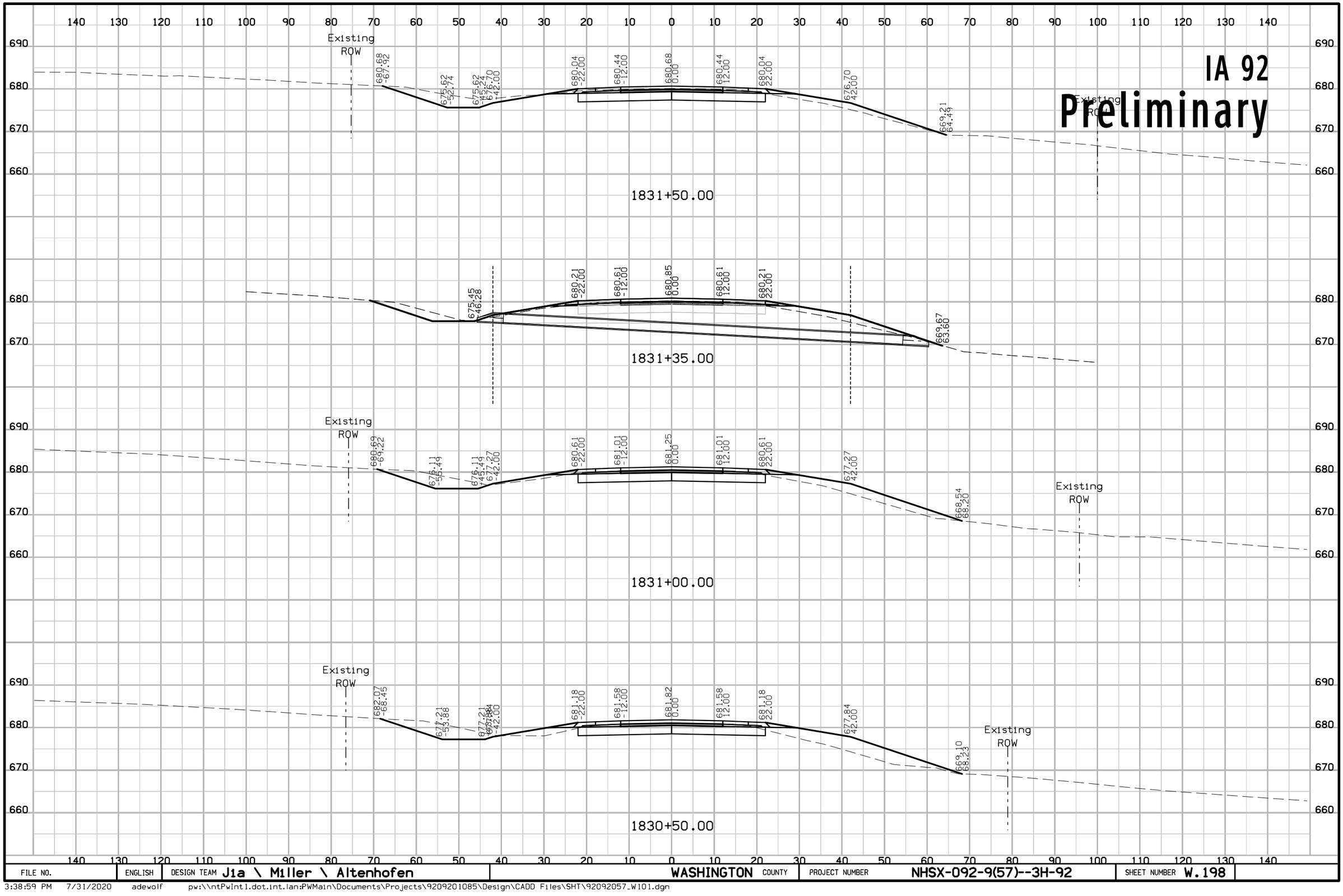
IA 92

Preliminary



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.198

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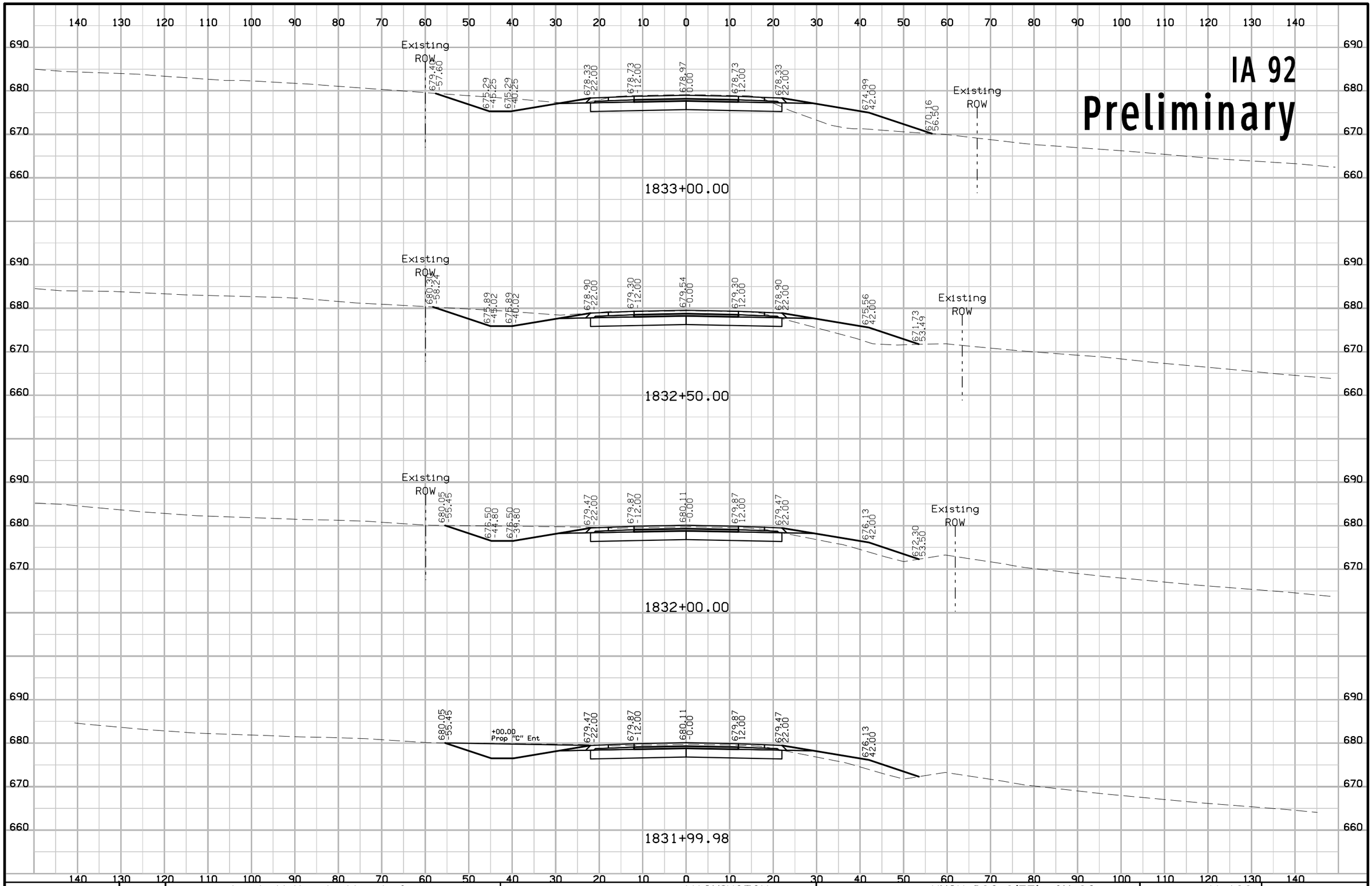
IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM J1a \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.199

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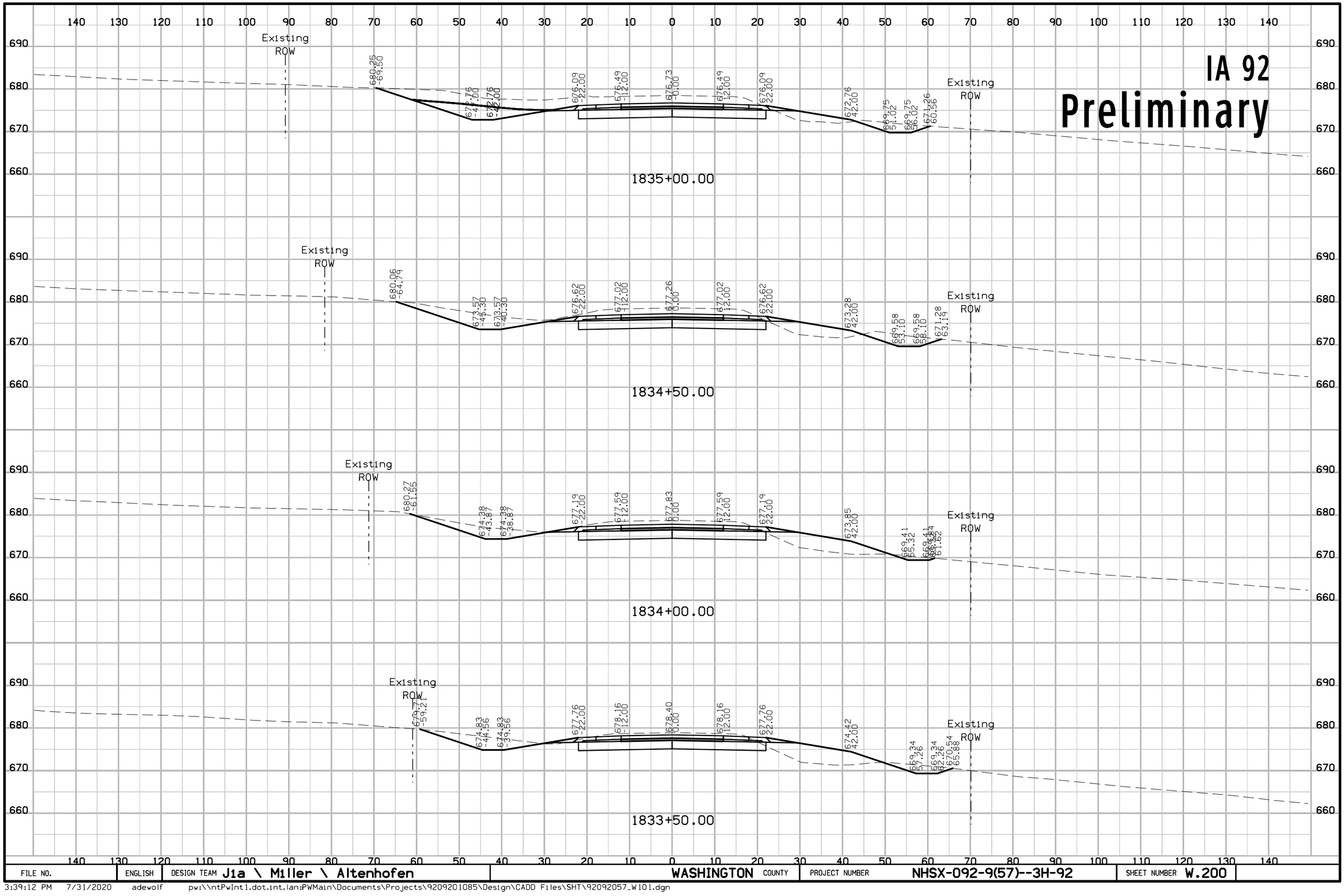
IA 92

Preliminary



FILE NO.	ENGLISH	DESIGN TEAM J1a \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.200

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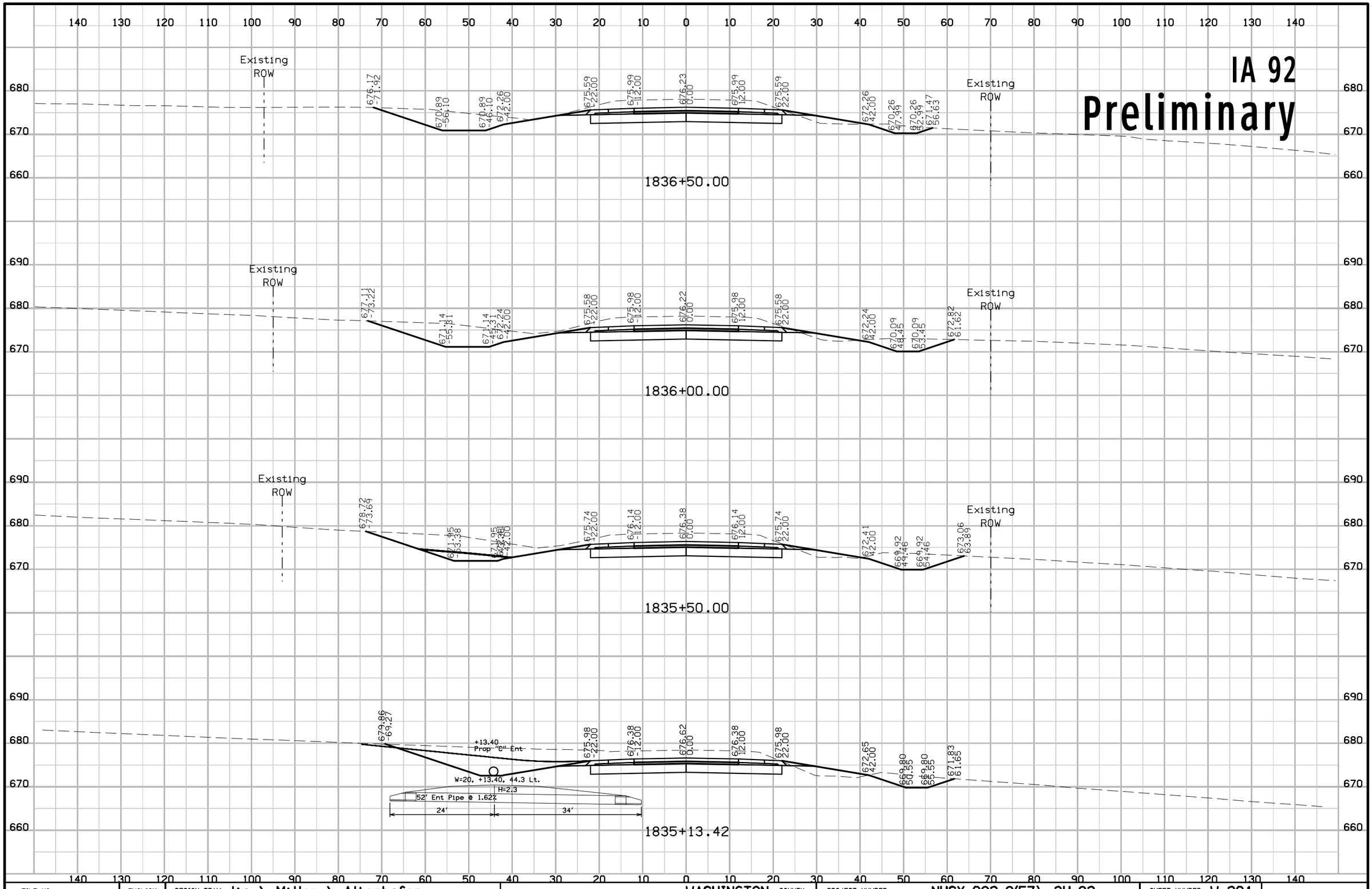
IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.201

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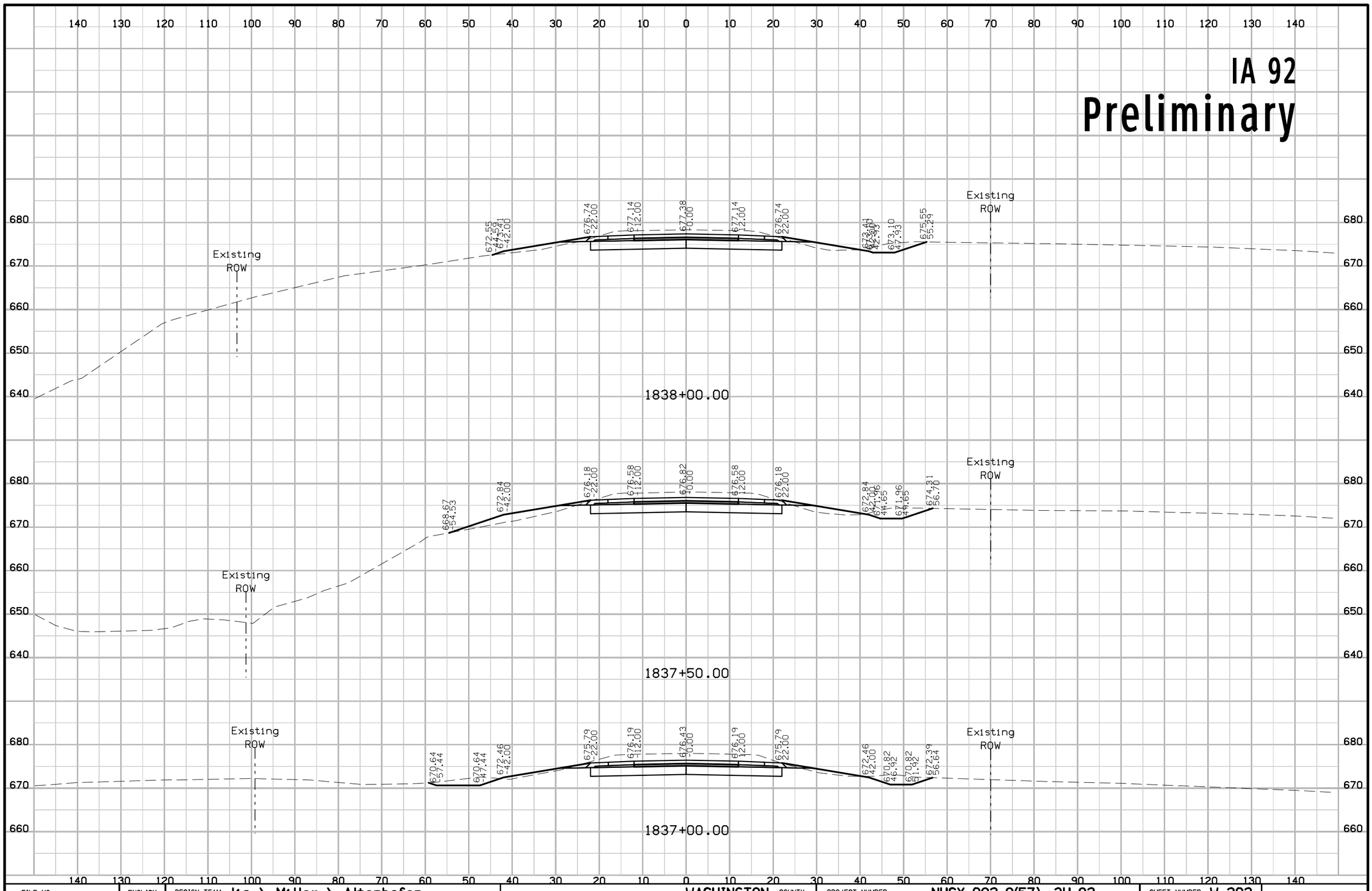
IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.202

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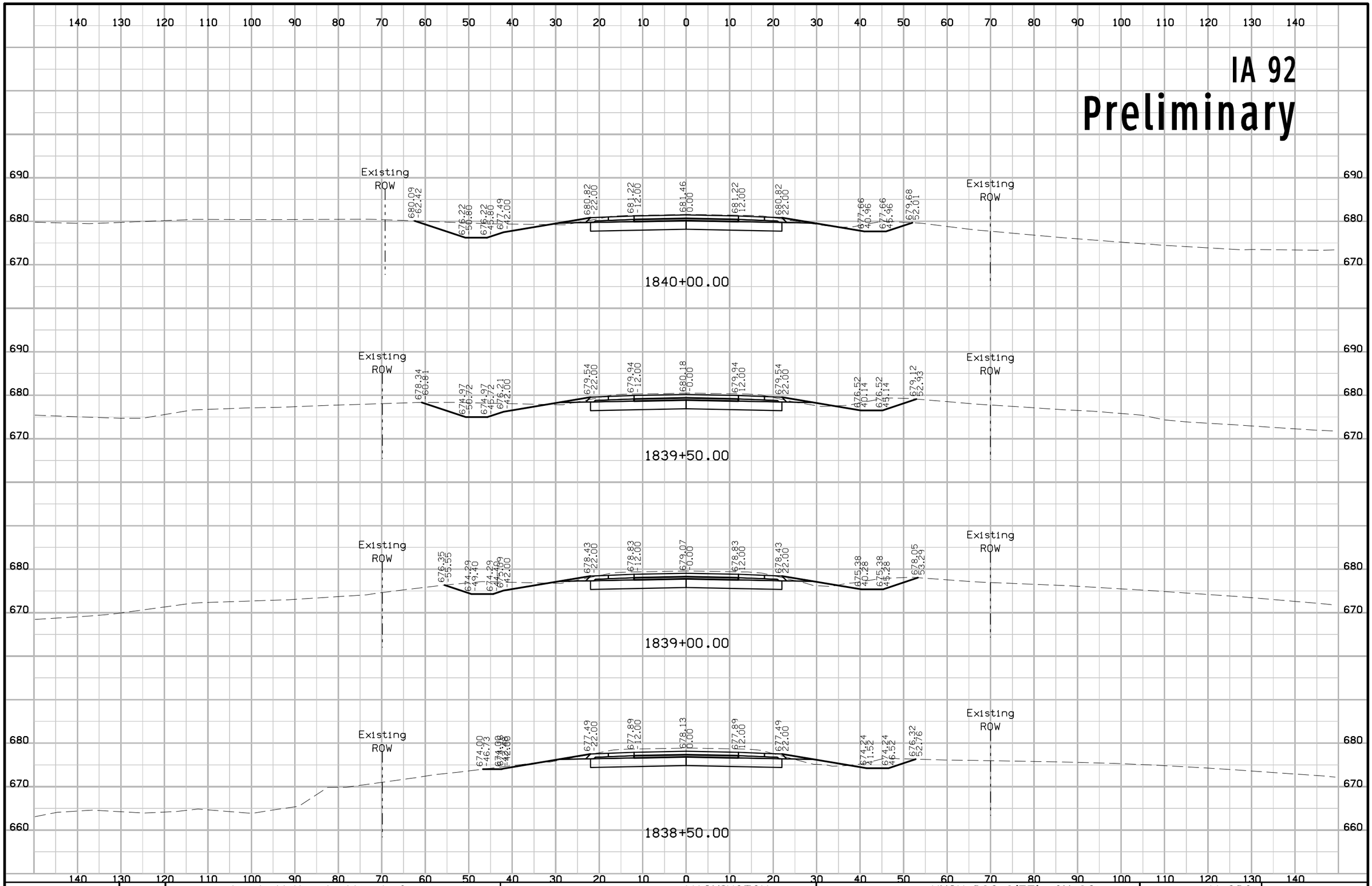
IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM J1a \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.203

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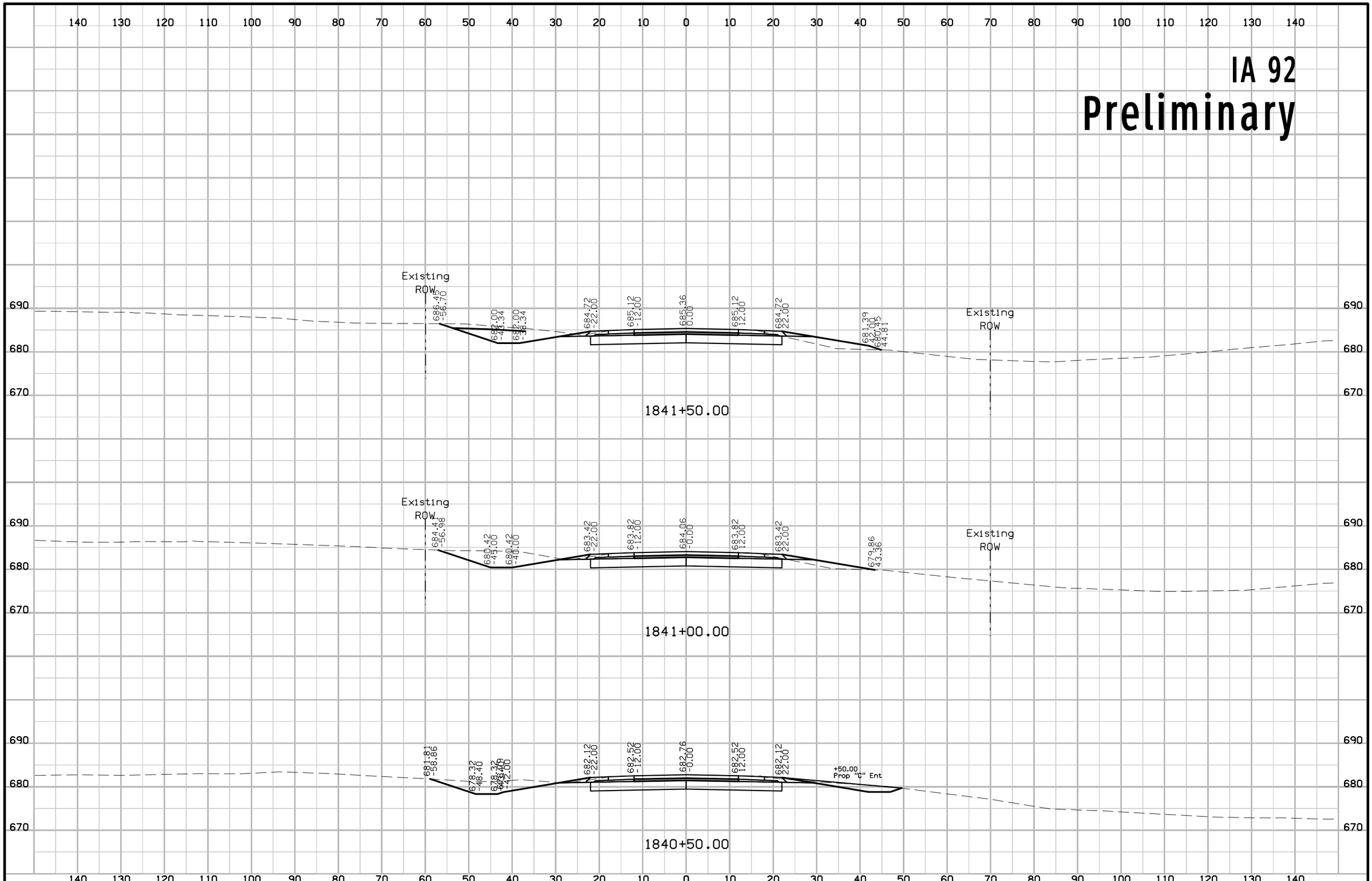
IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.204

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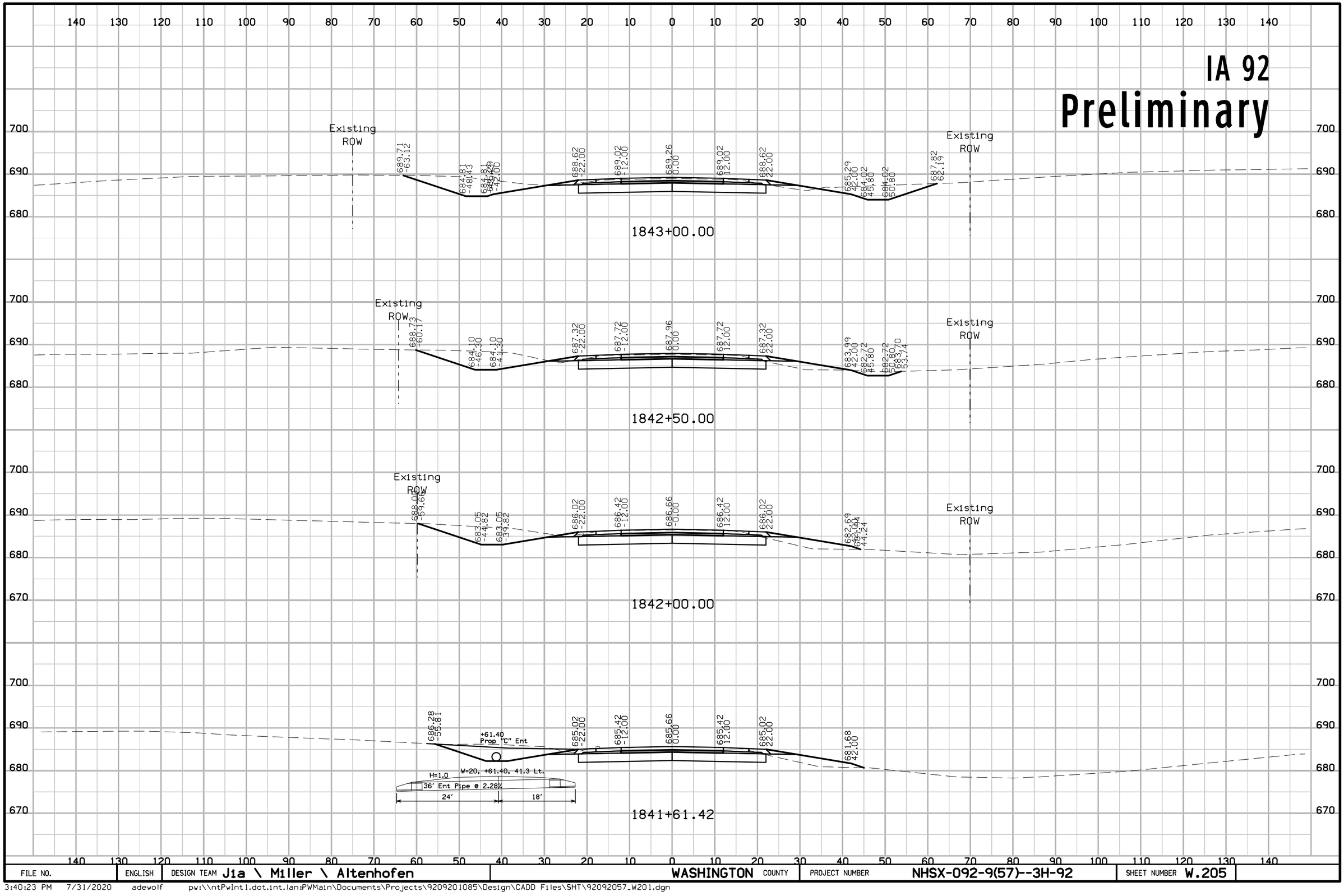
IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM J1a \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.205

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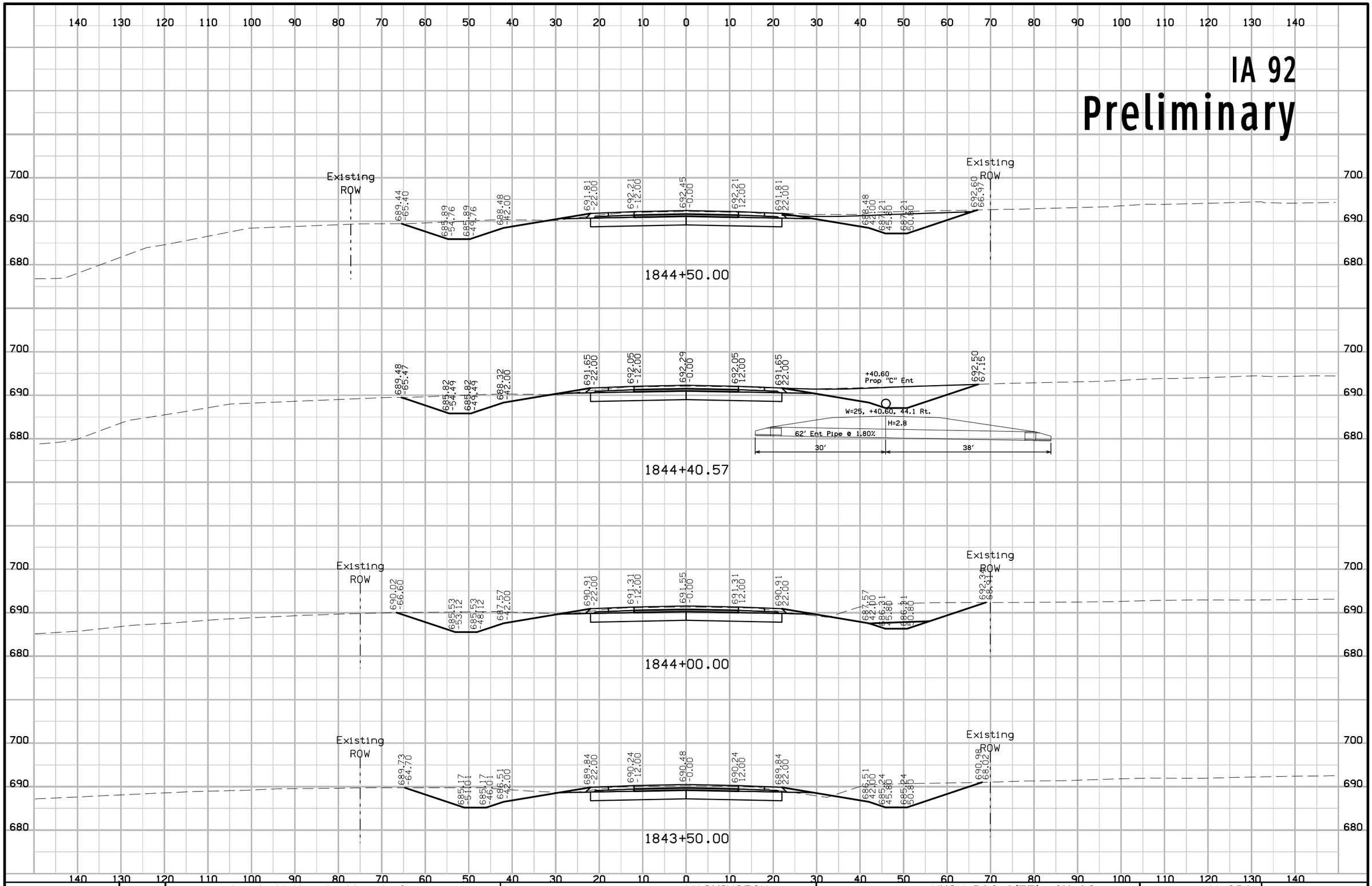
IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM J1a \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.206

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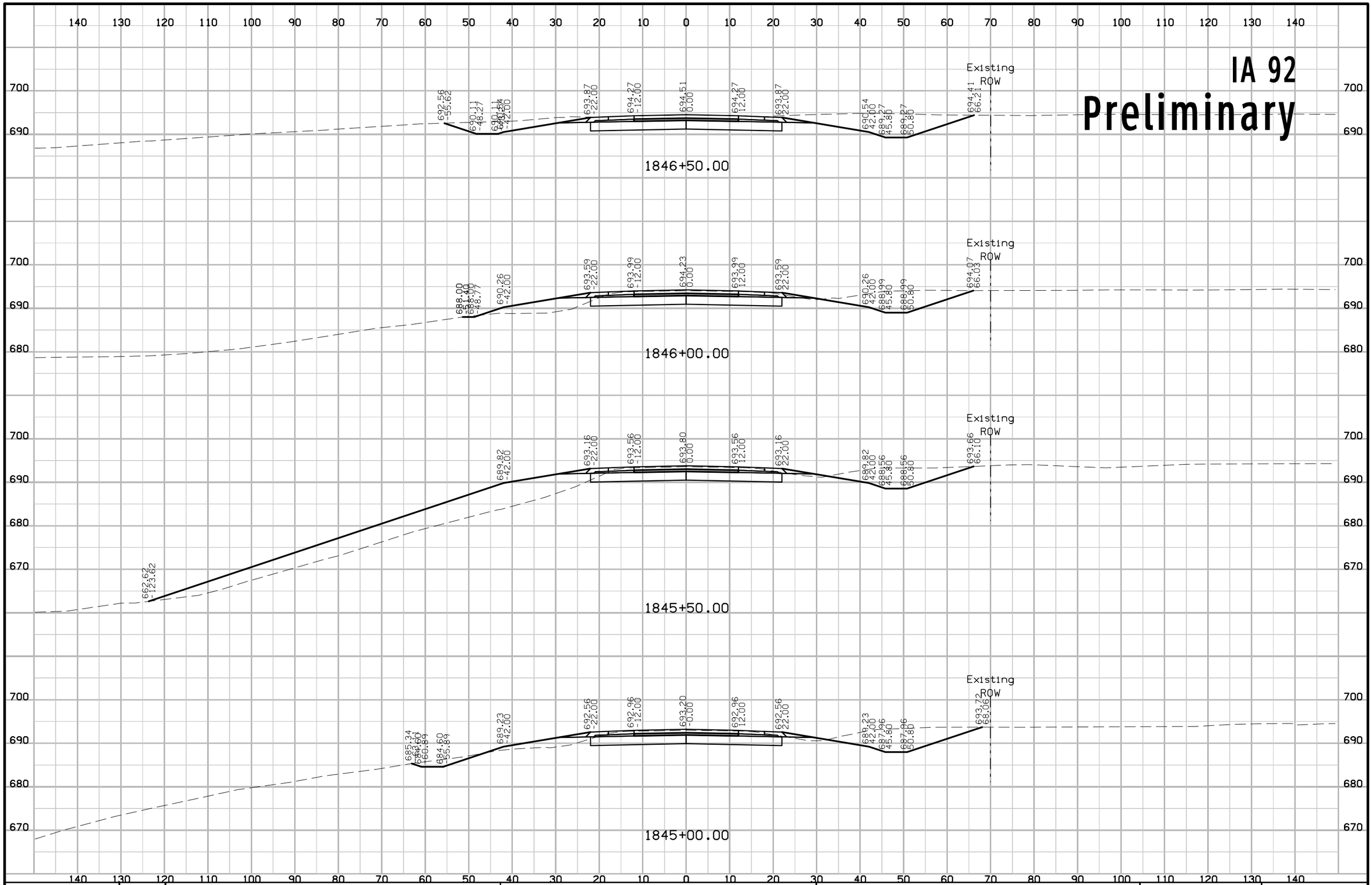
IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.207

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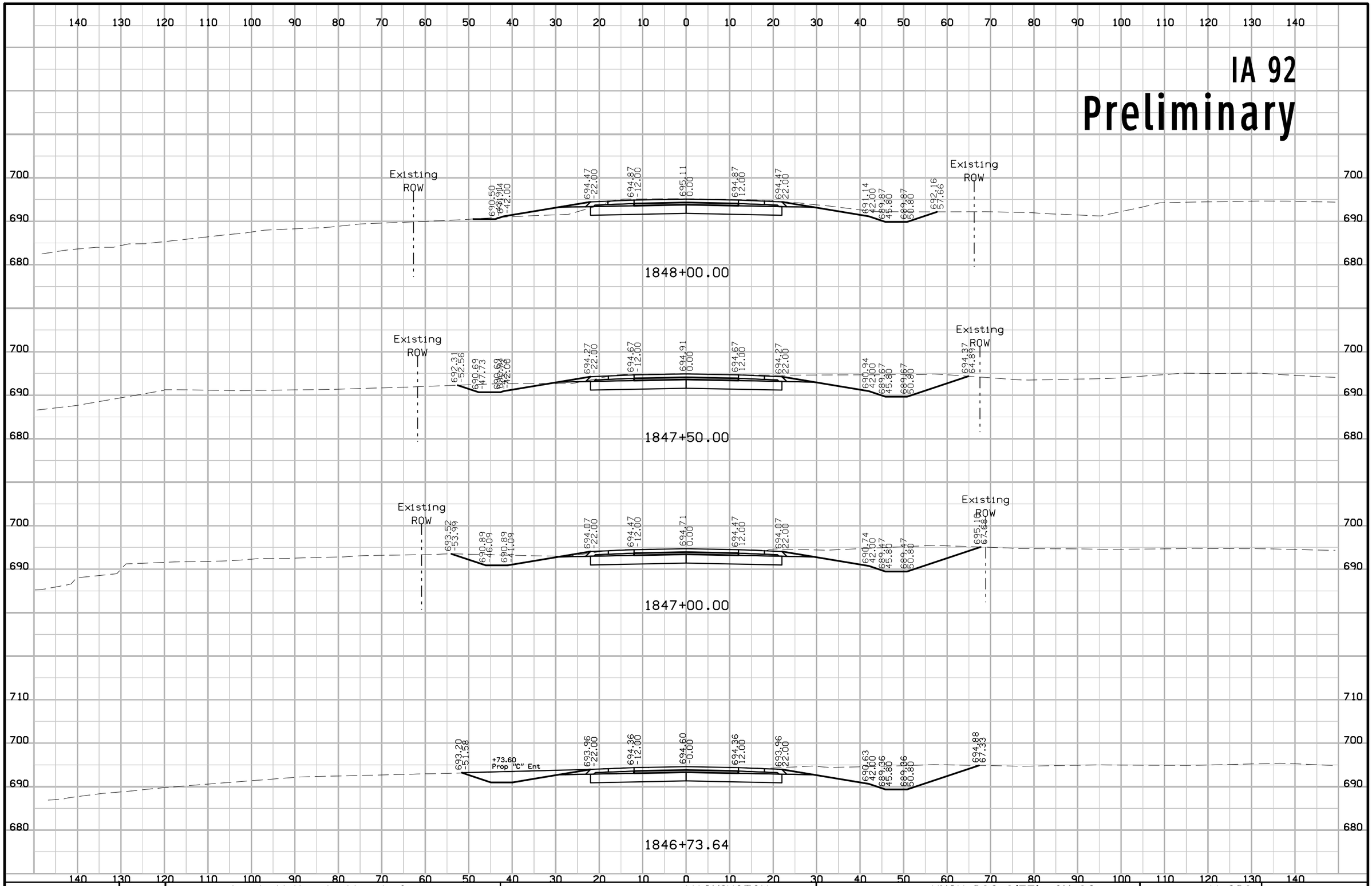
IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM J1a \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.208

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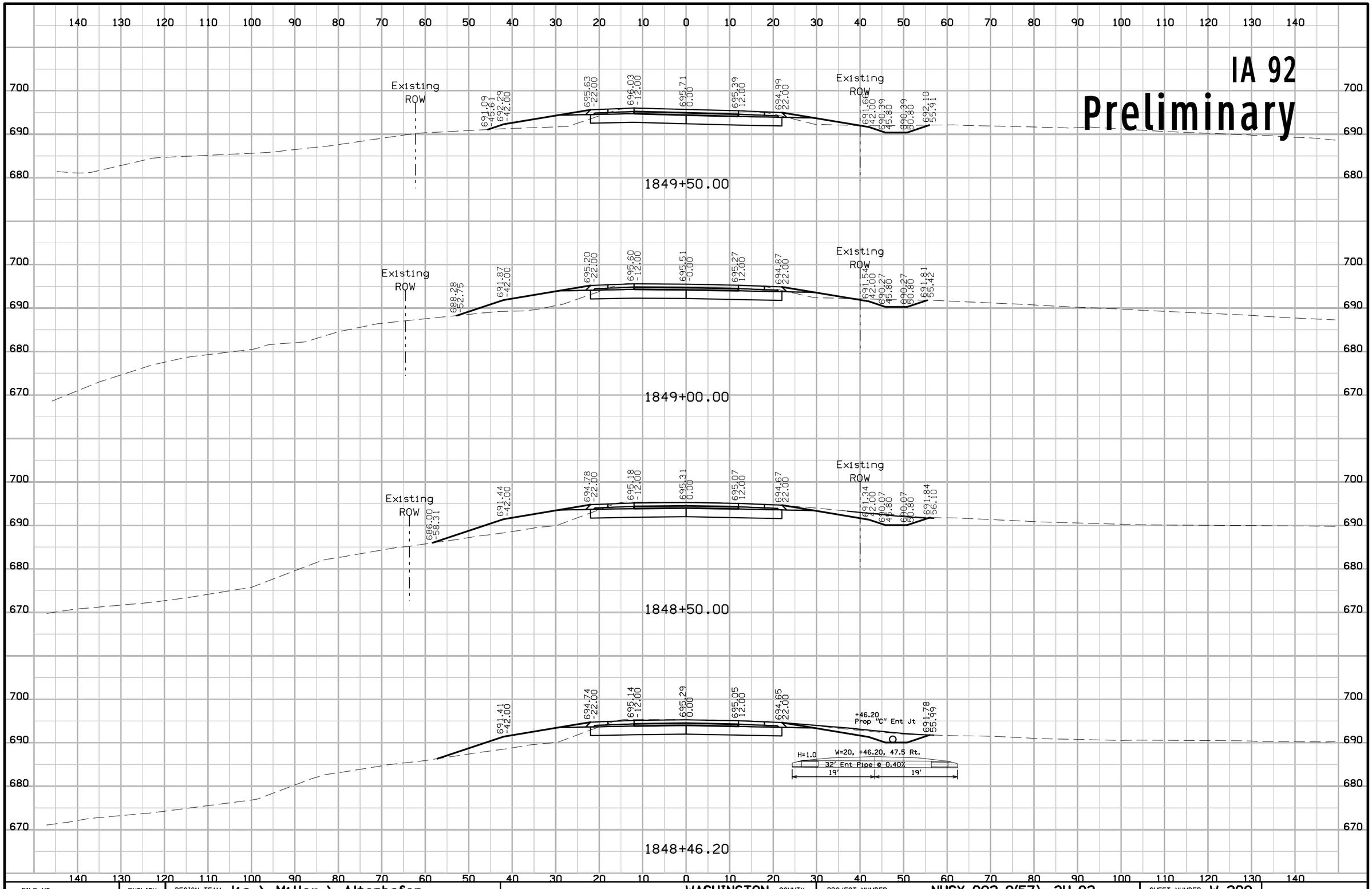
IA 92
Preliminary



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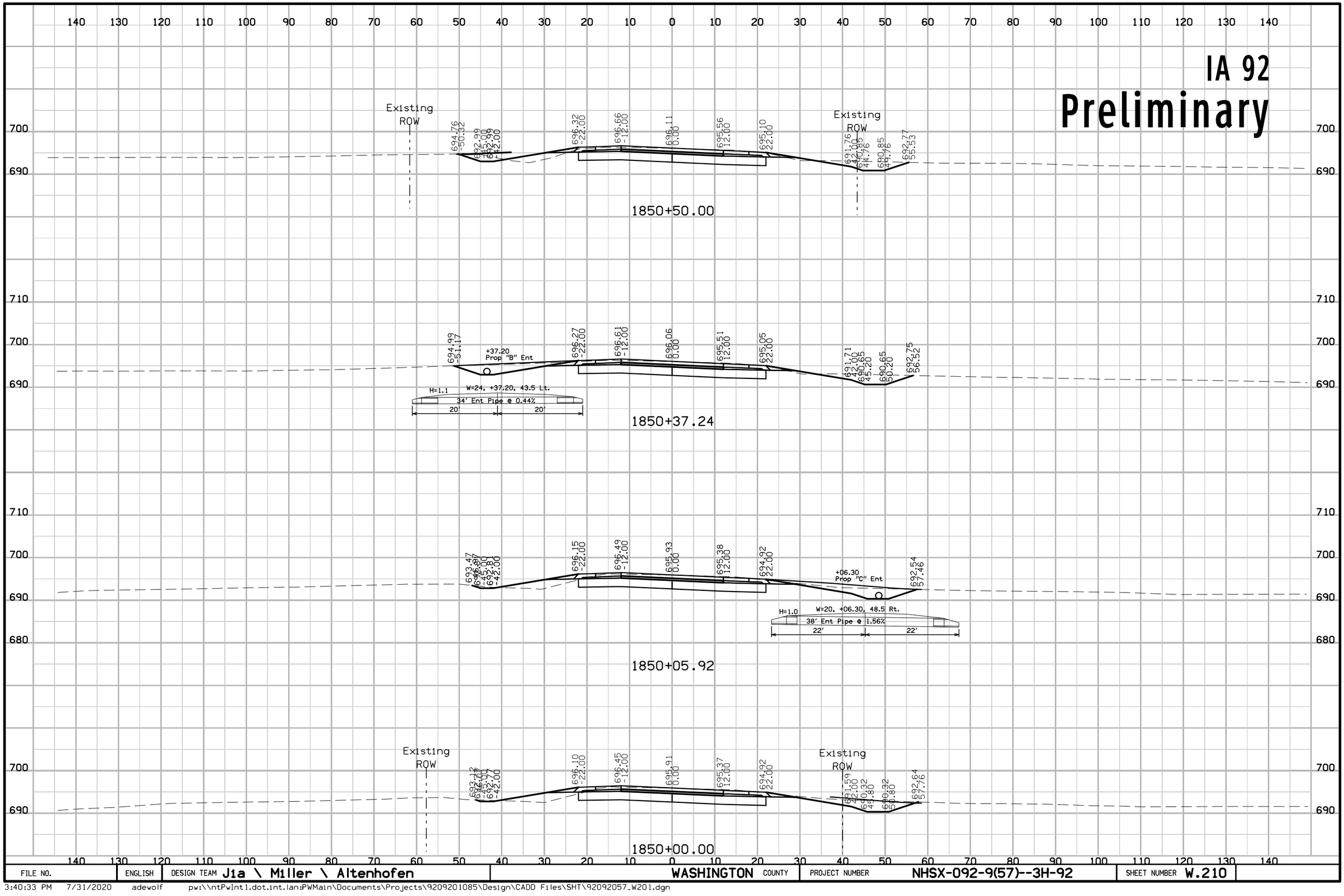
IA 92

Preliminary



FILE NO.	ENGLISH	DESIGN TEAM J1a \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.210

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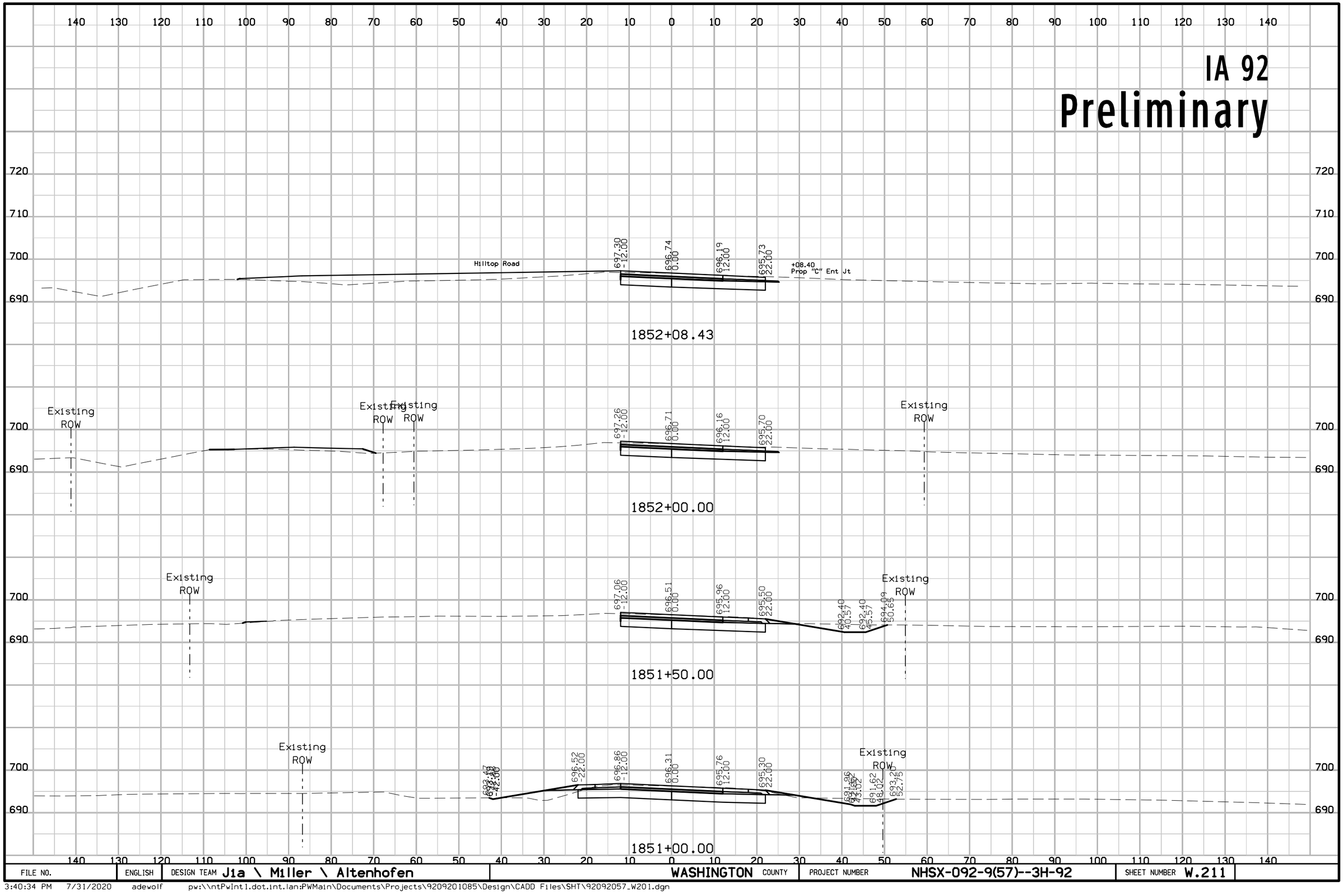
IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.211

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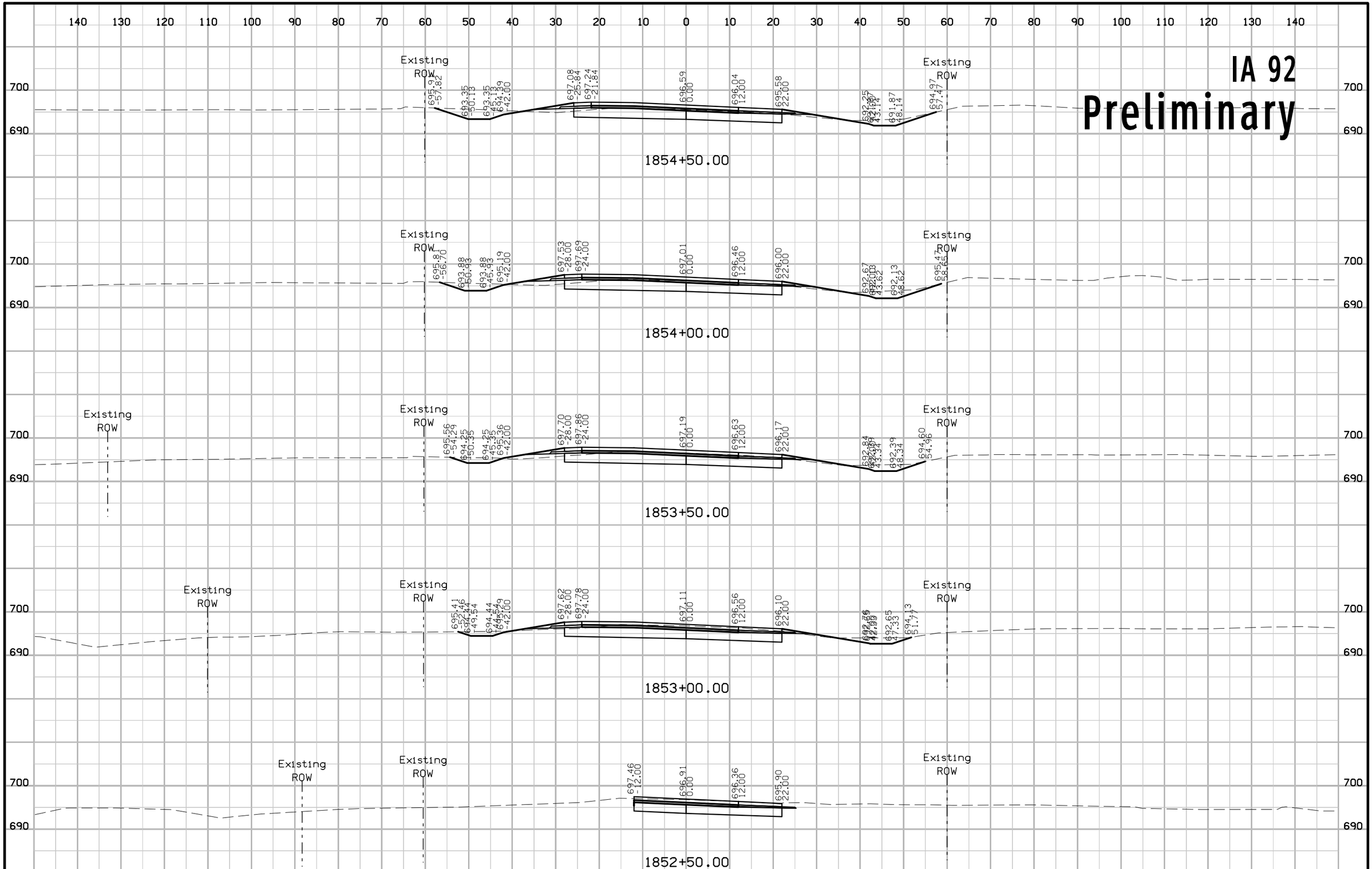
IA 92
Preliminary



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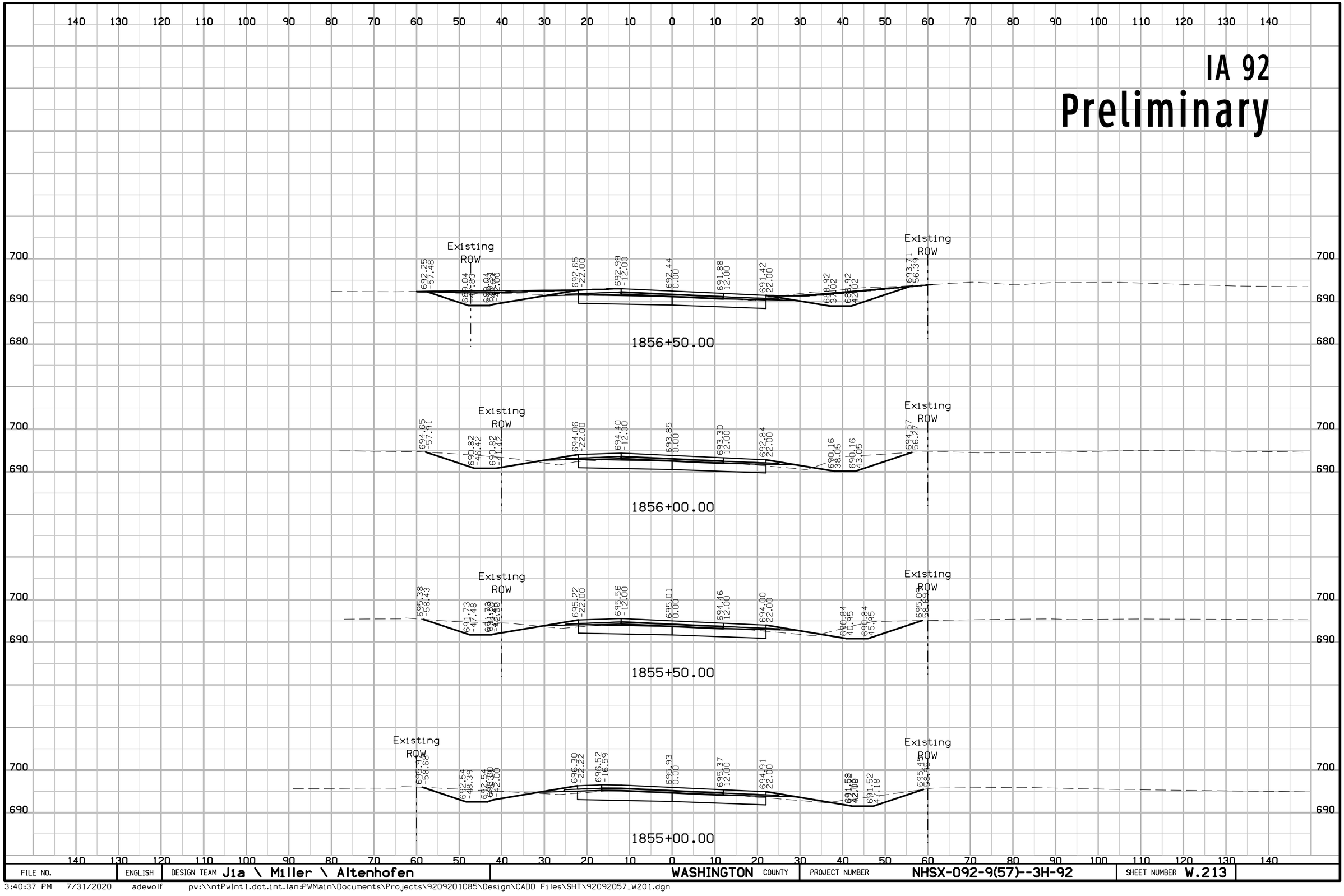
IA 92
Preliminary



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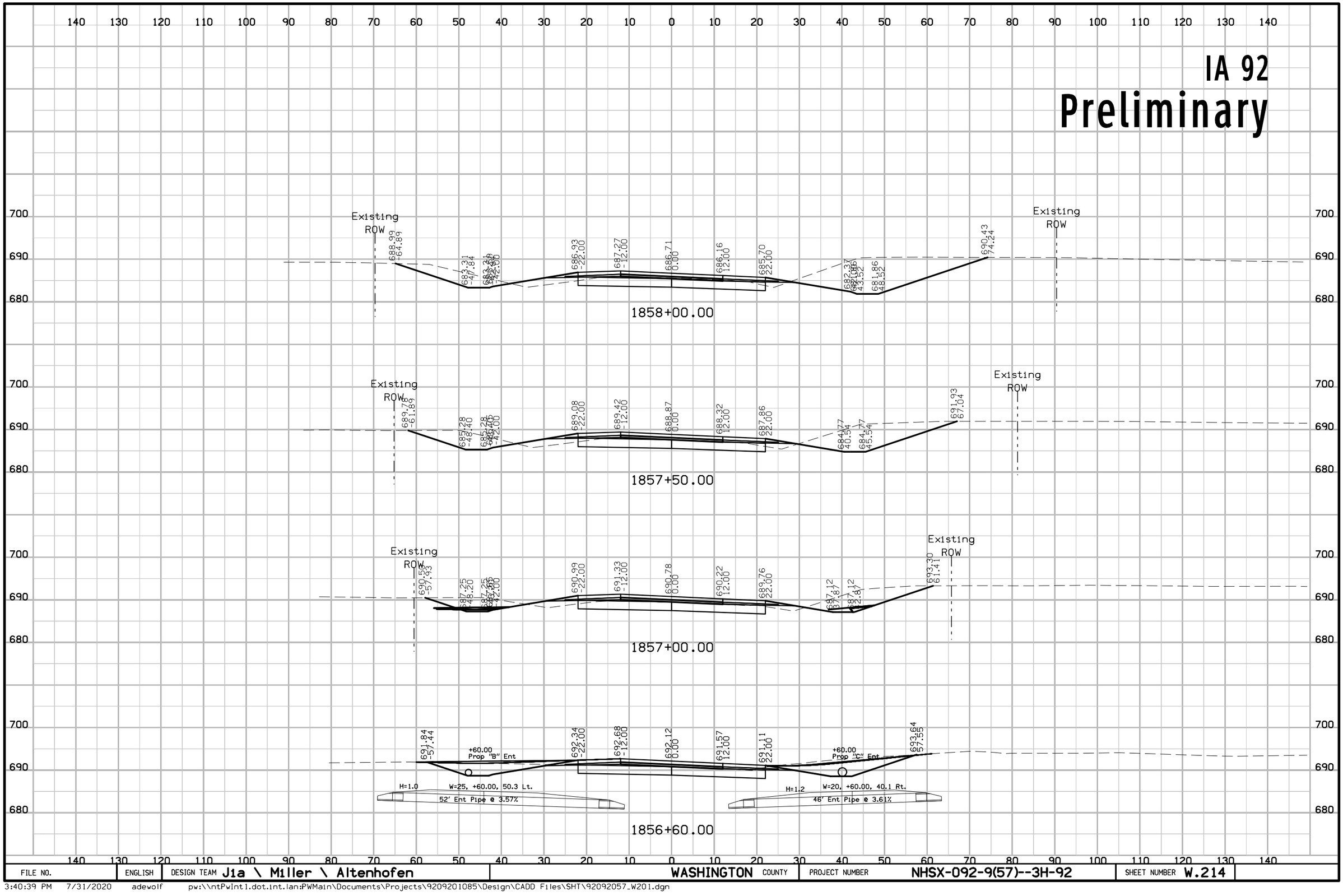
IA 92
Preliminary



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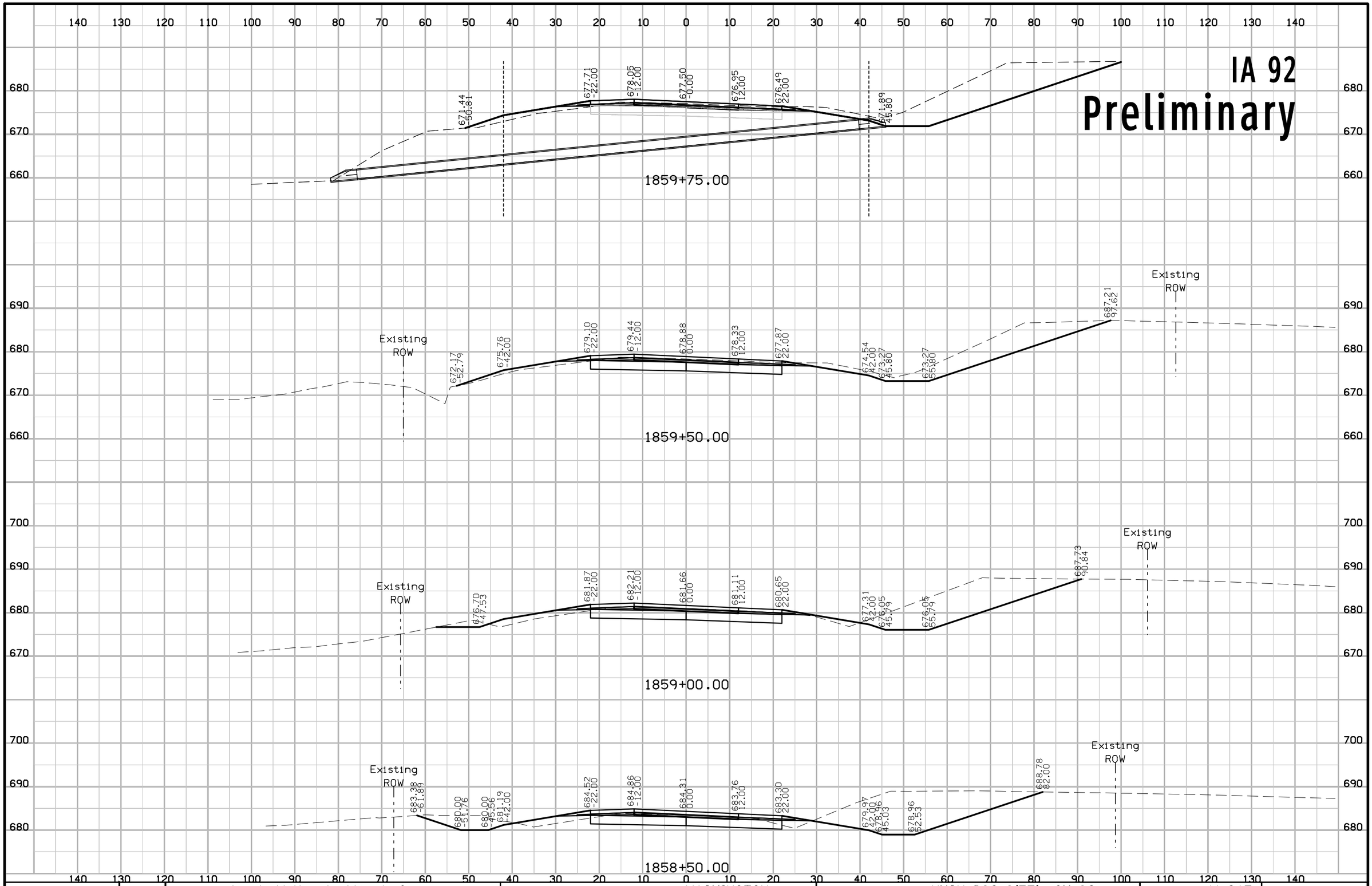
IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.215

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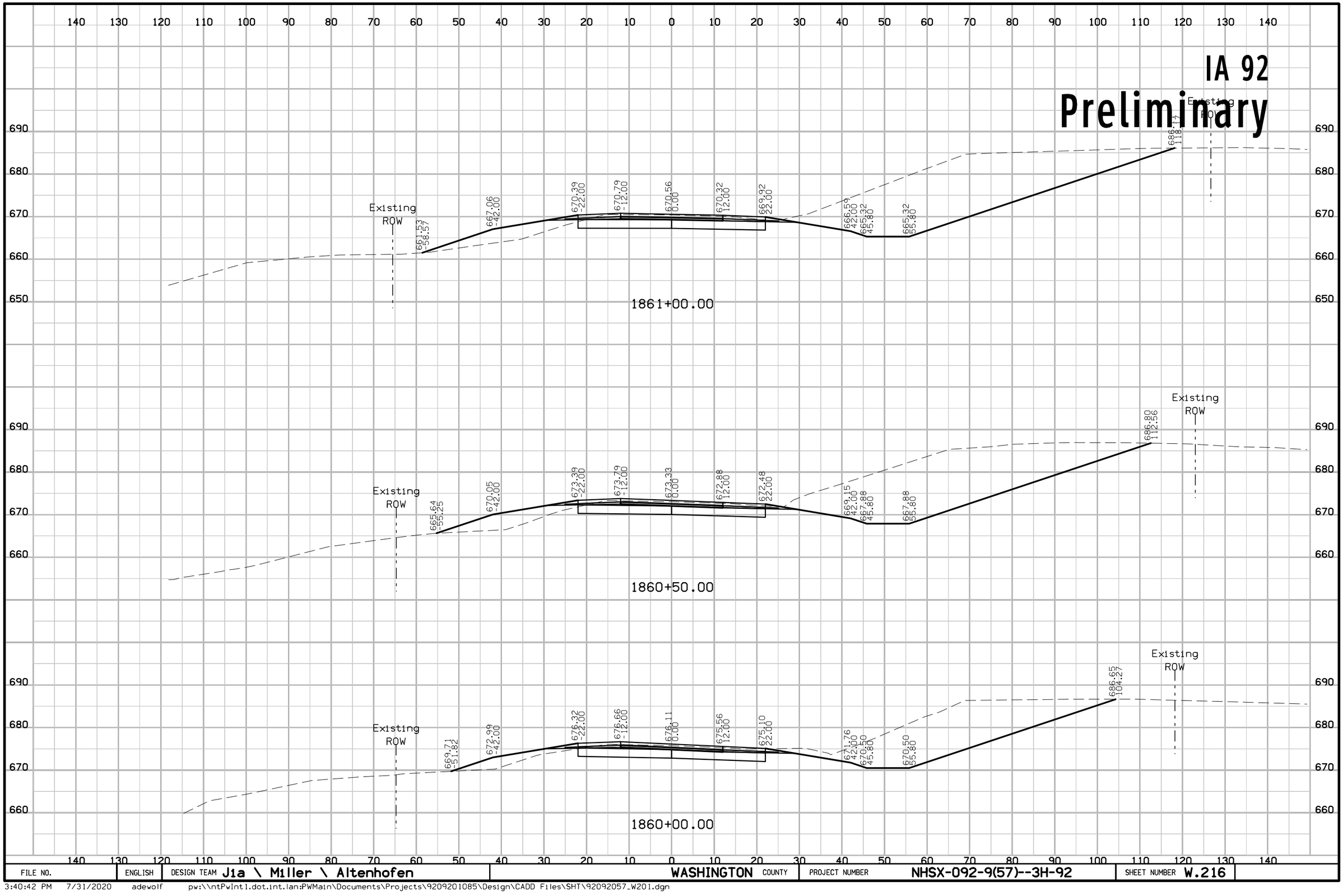
IA 92

Preliminary



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.216

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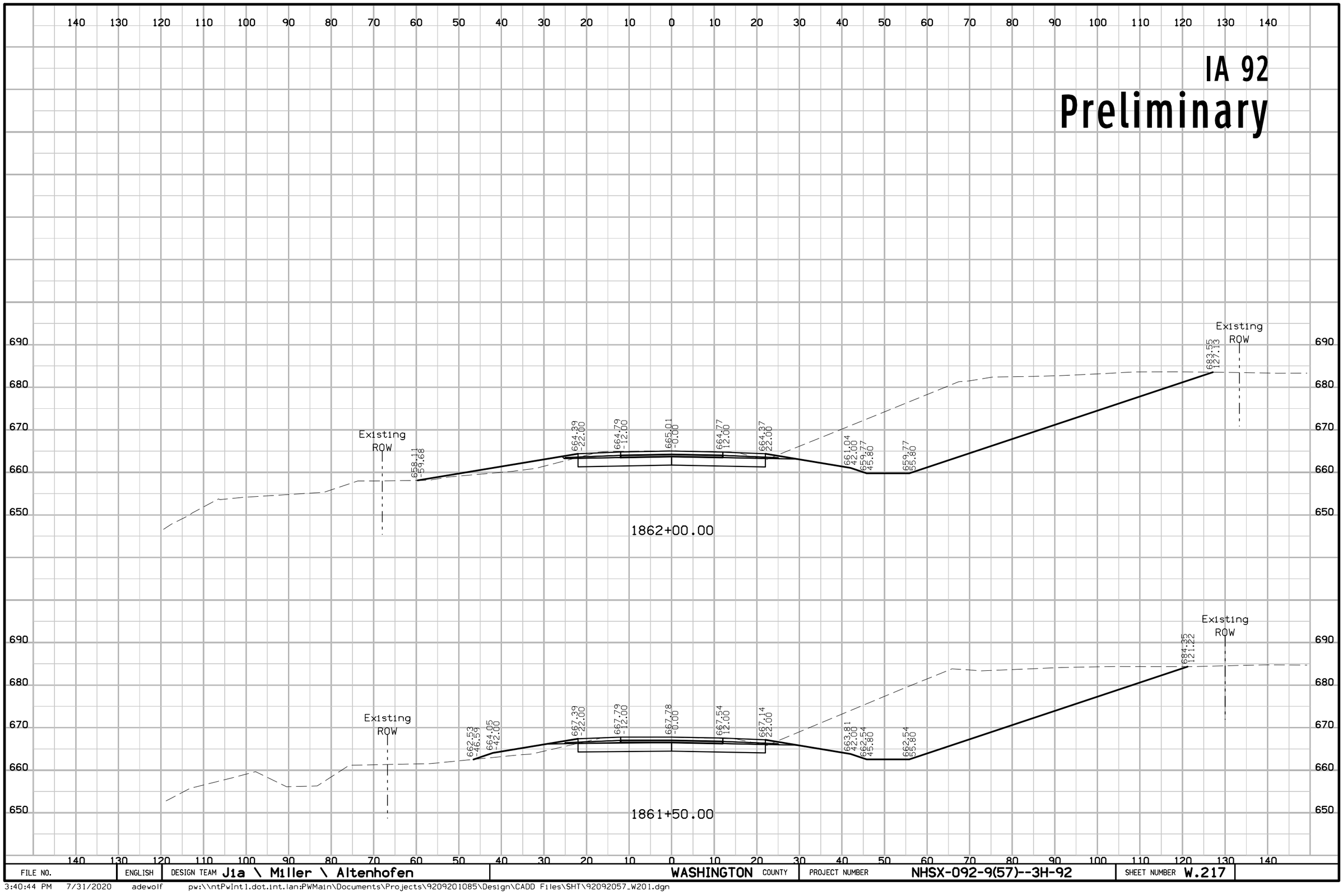
IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.217

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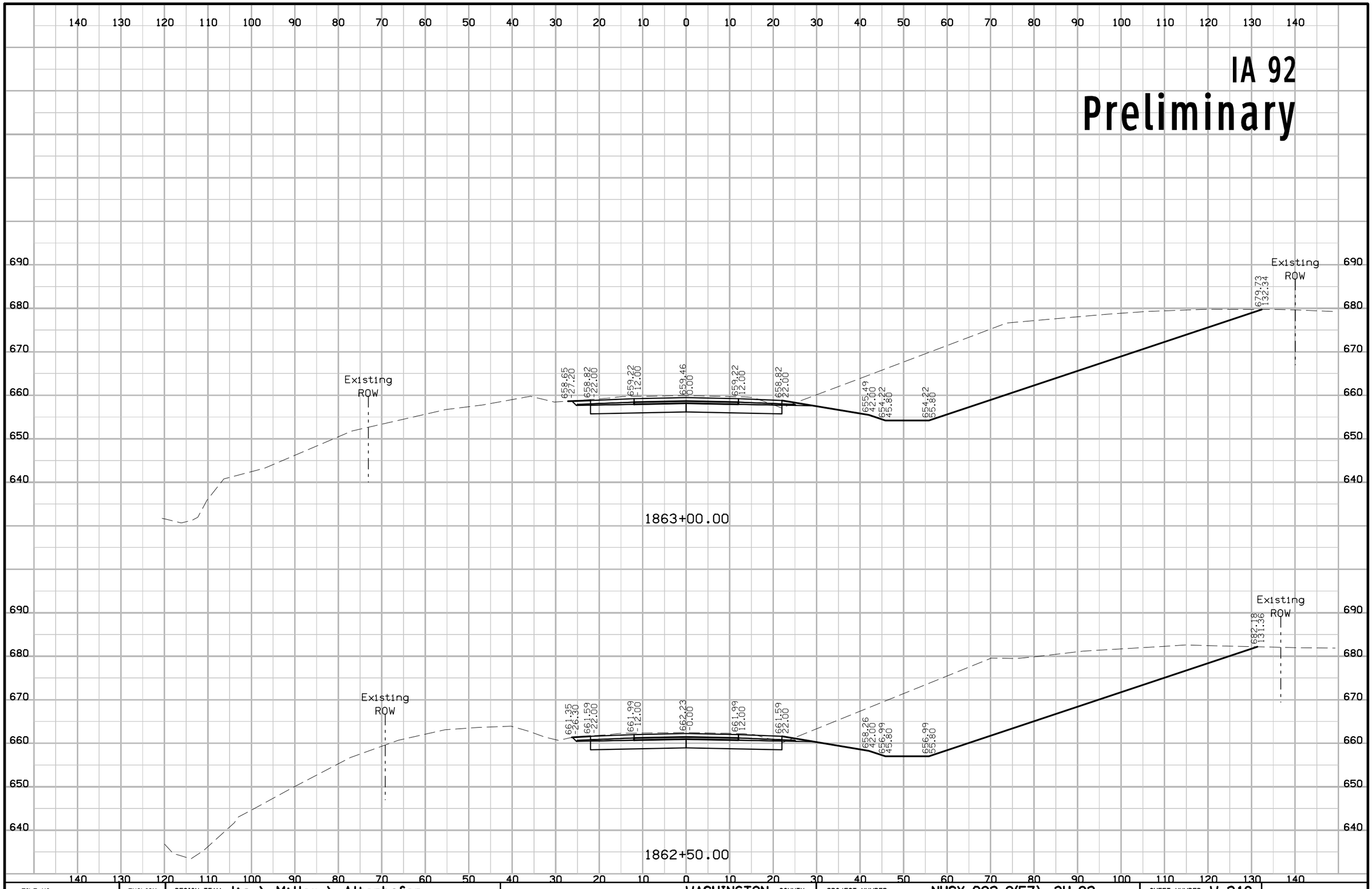
IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.218

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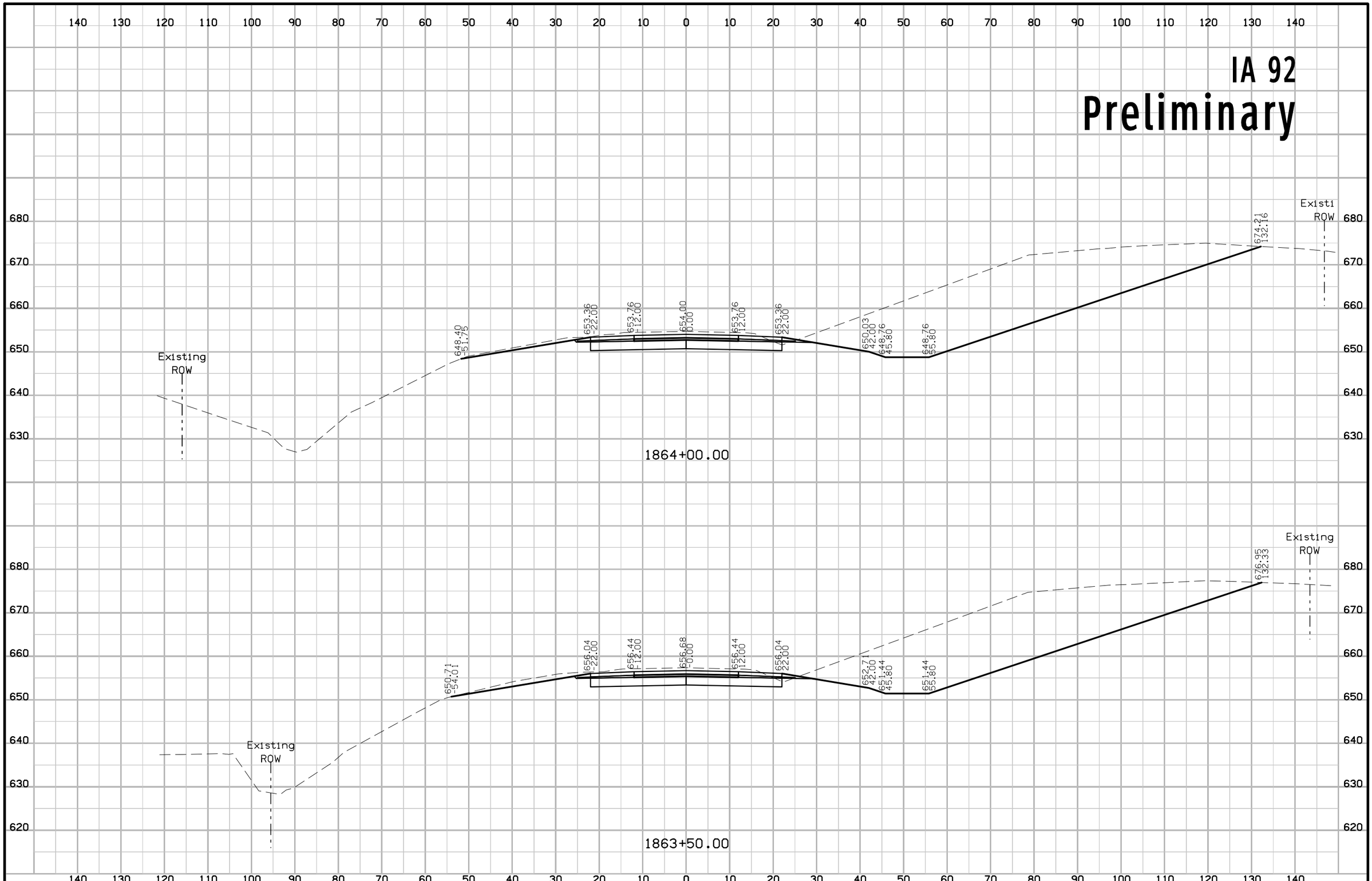
IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM J1a \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.219

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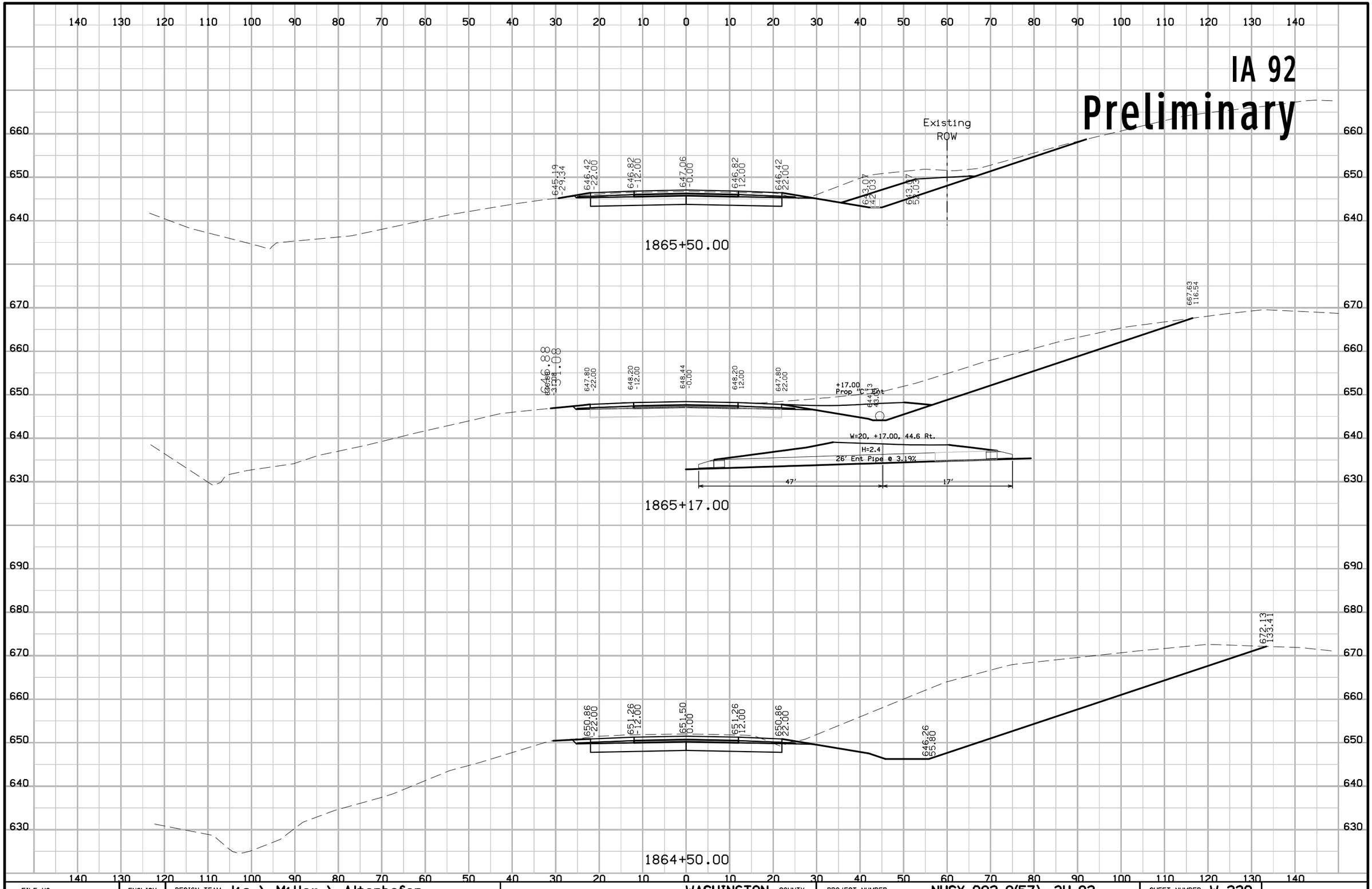
IA 92

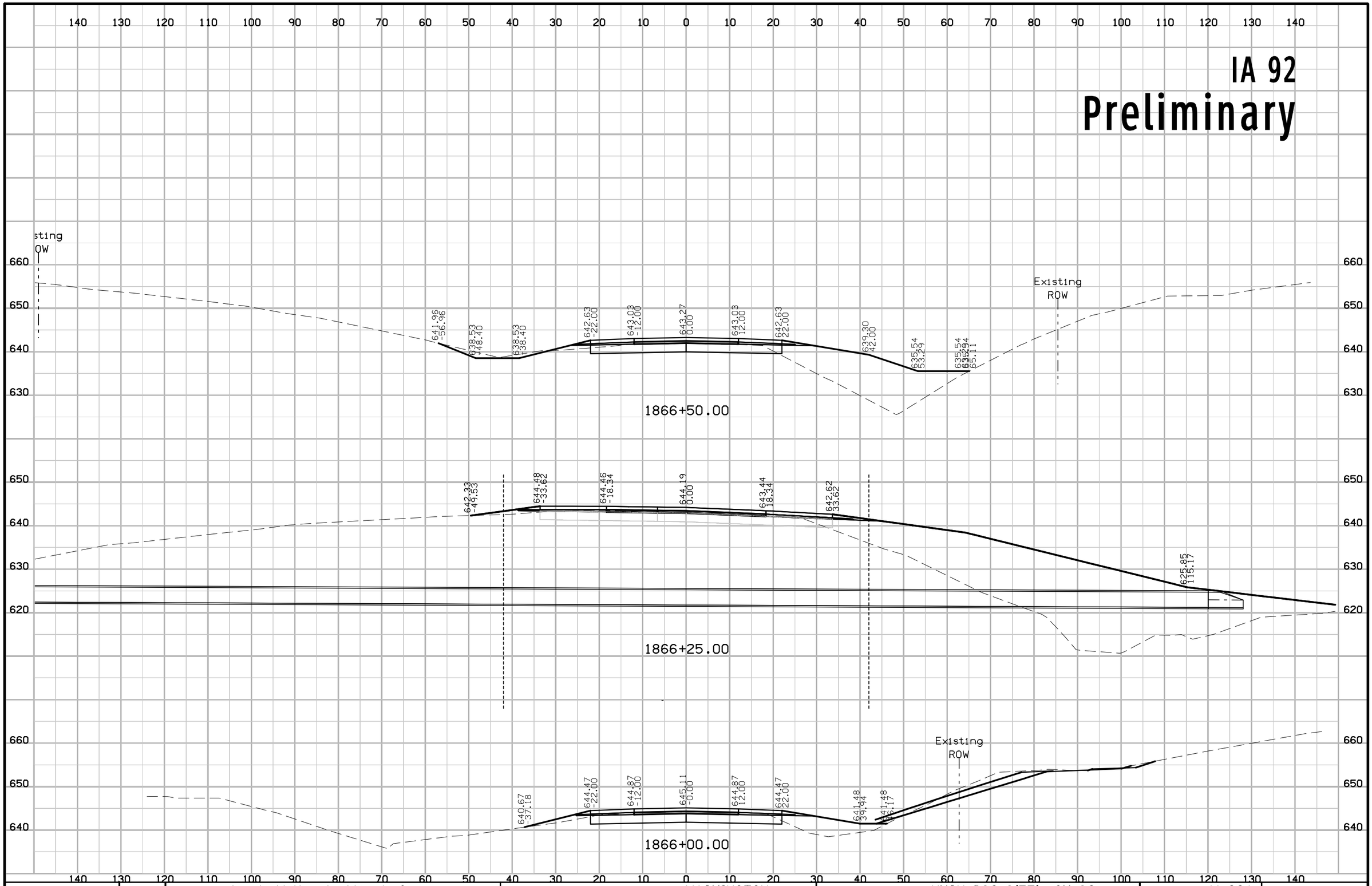
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.220

10:03:53 AM 8/28/2020 adewolf pw:\\ntPwInt1.dot.int.lan:PWMain\Documents\Projects\9209201085\Design\CADD Files\SHT\92092057_W201.dgn

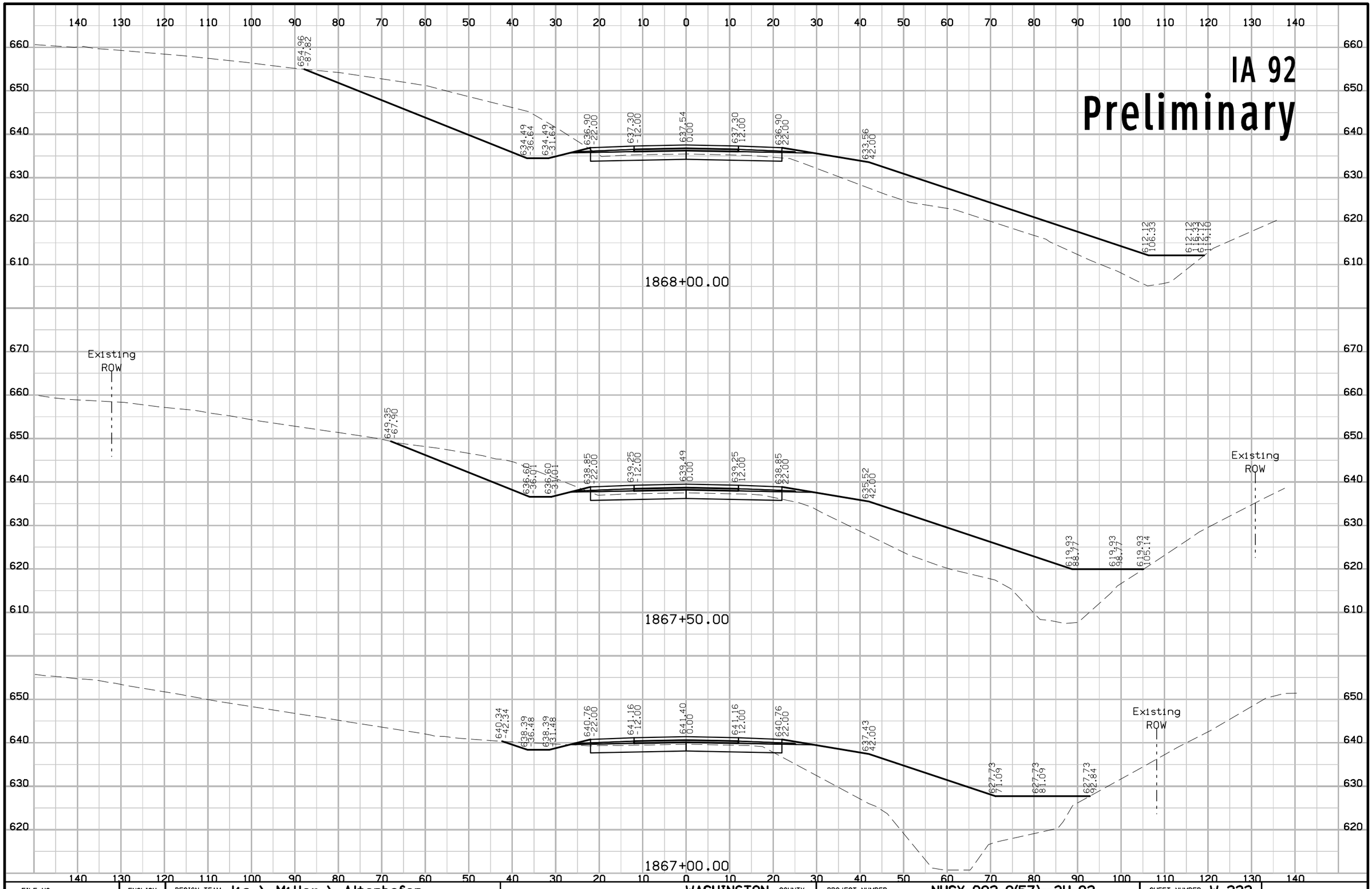
IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM J1a \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.221

3:40:49 PM 7/31/2020 adewolf pw:\\ntPwInt1.dot.int.lan:PWMain\Documents\Projects\9209201085\Design\CADD Files\SHT\92092057_W201.dgn

IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.222

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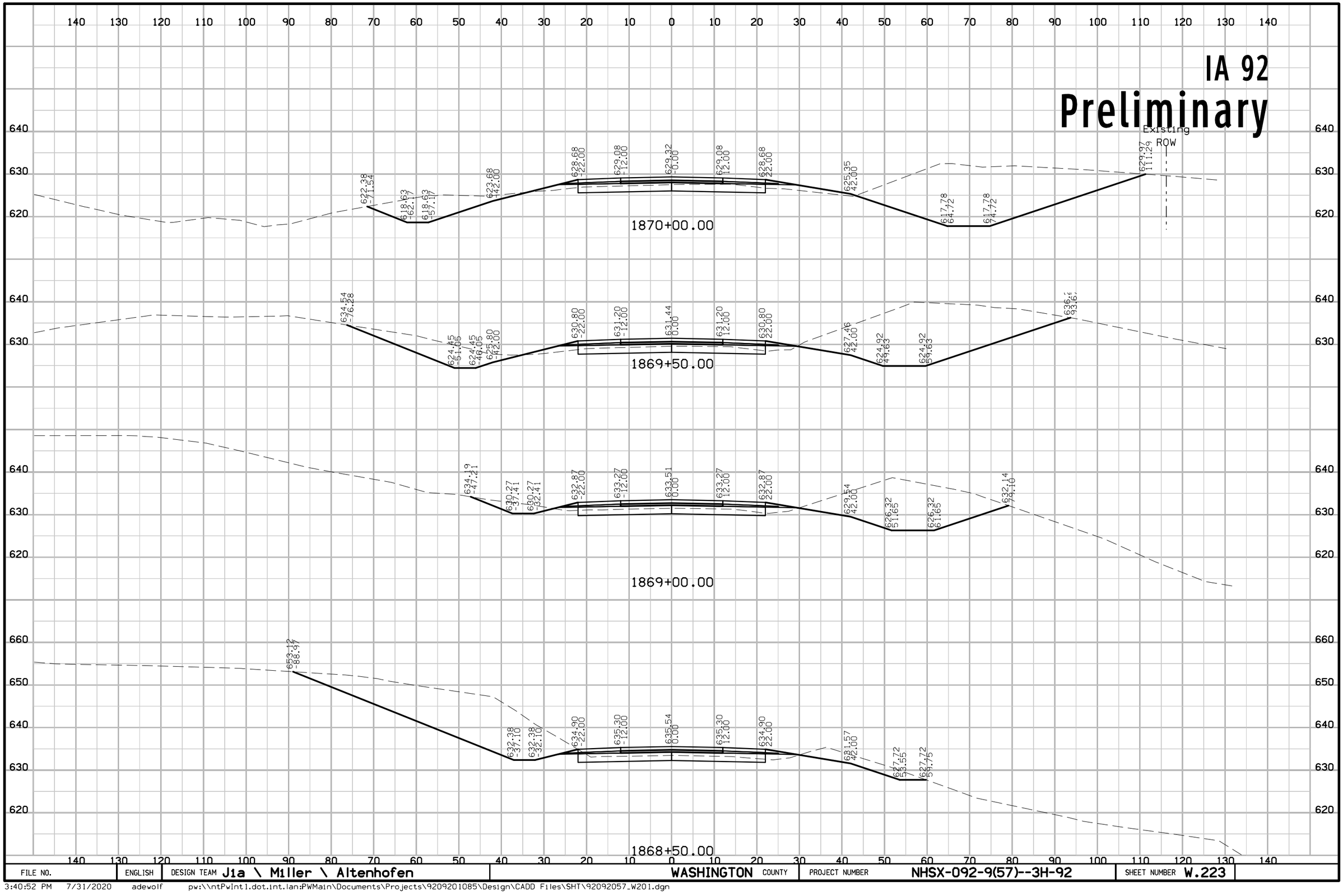
IA 92

Preliminary



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.223

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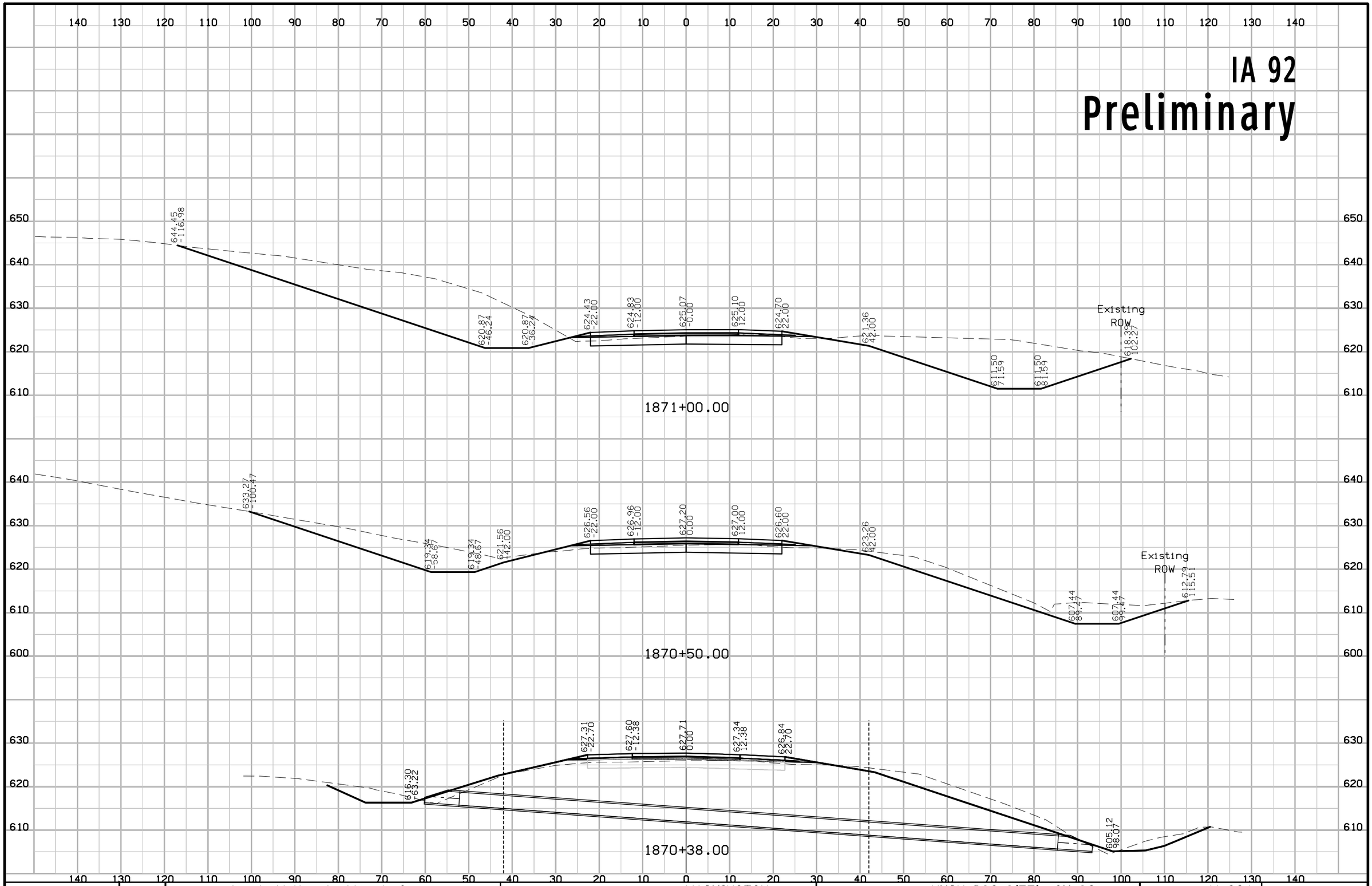
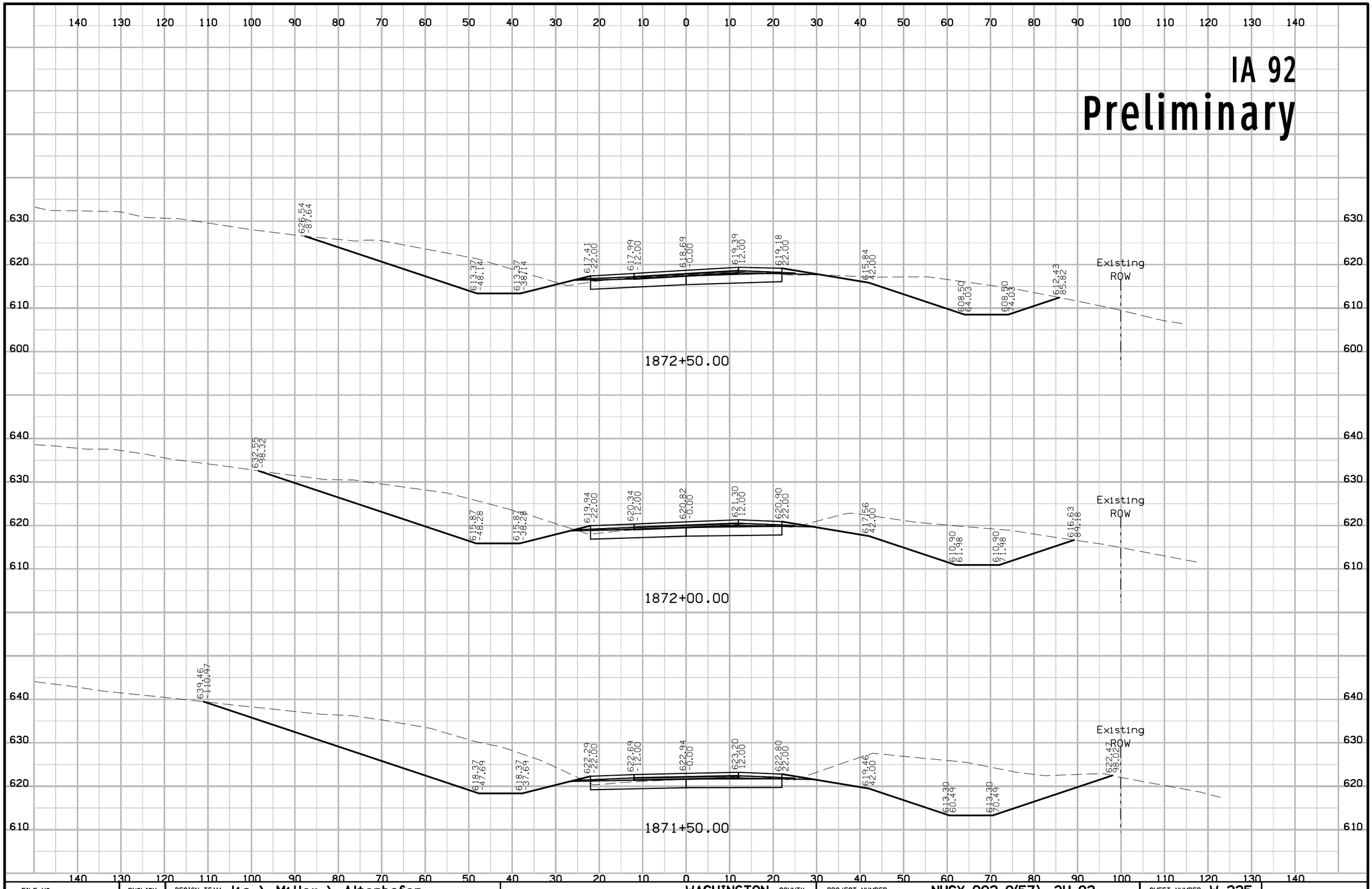
IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM J1a \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.224

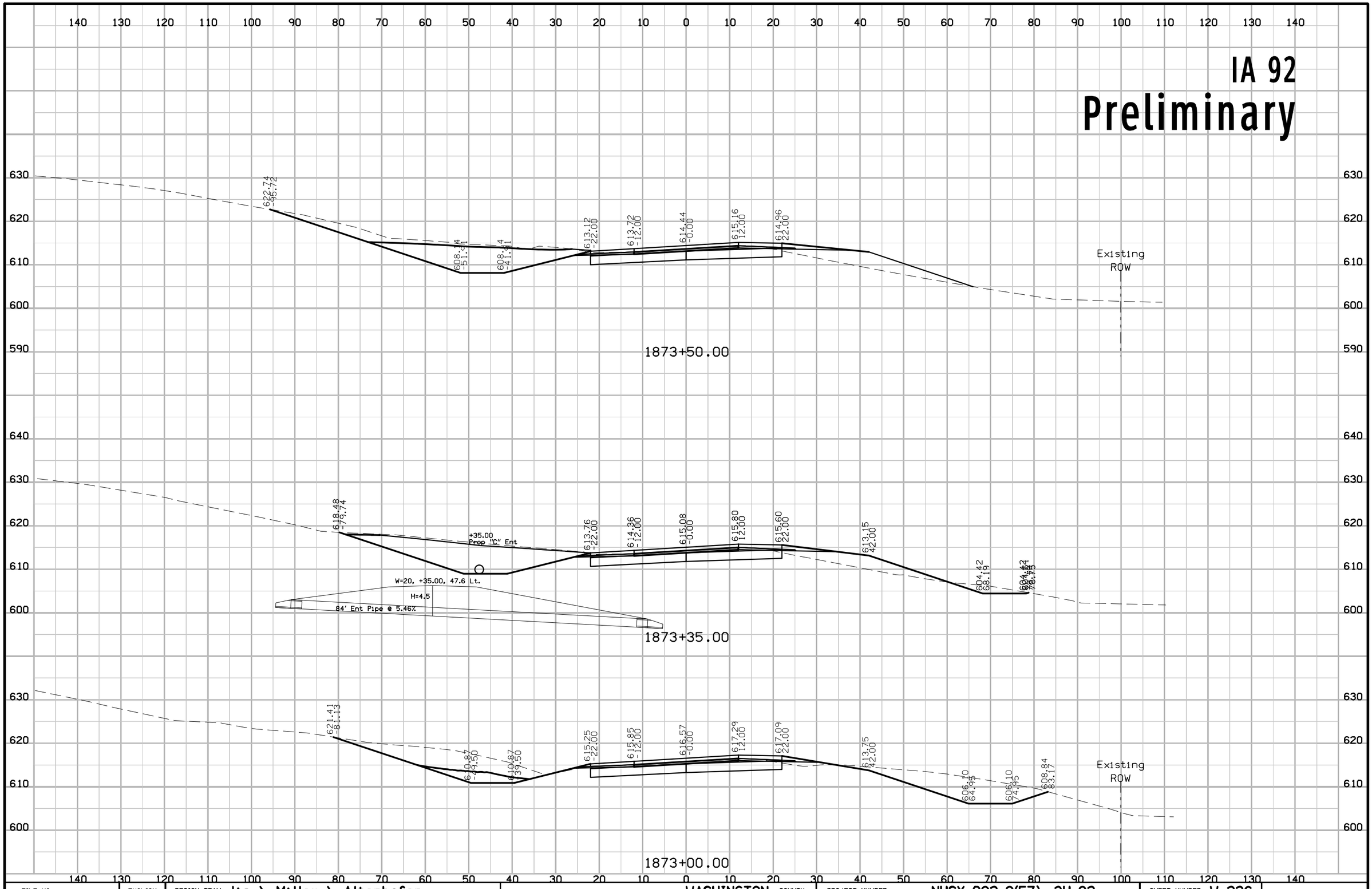
IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.225

3:40:55 PM 7/31/2020 adewolf pw:\\ntPwInt1.dot.int.lan:PWMain\Documents\Projects\9209201085\Design\CADD Files\SHT\92092057_W201.dgn

IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM J1a \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.226

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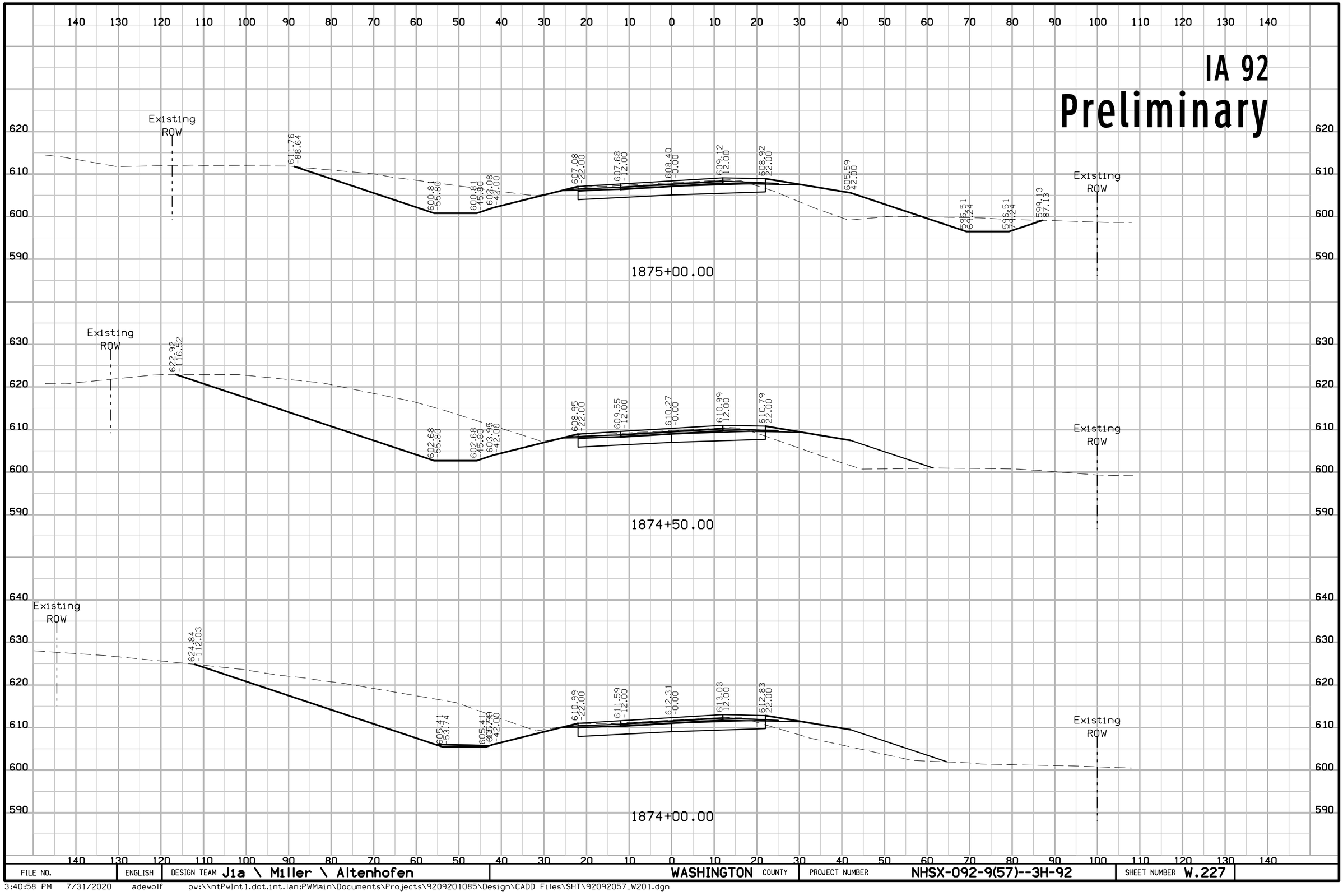
IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.227

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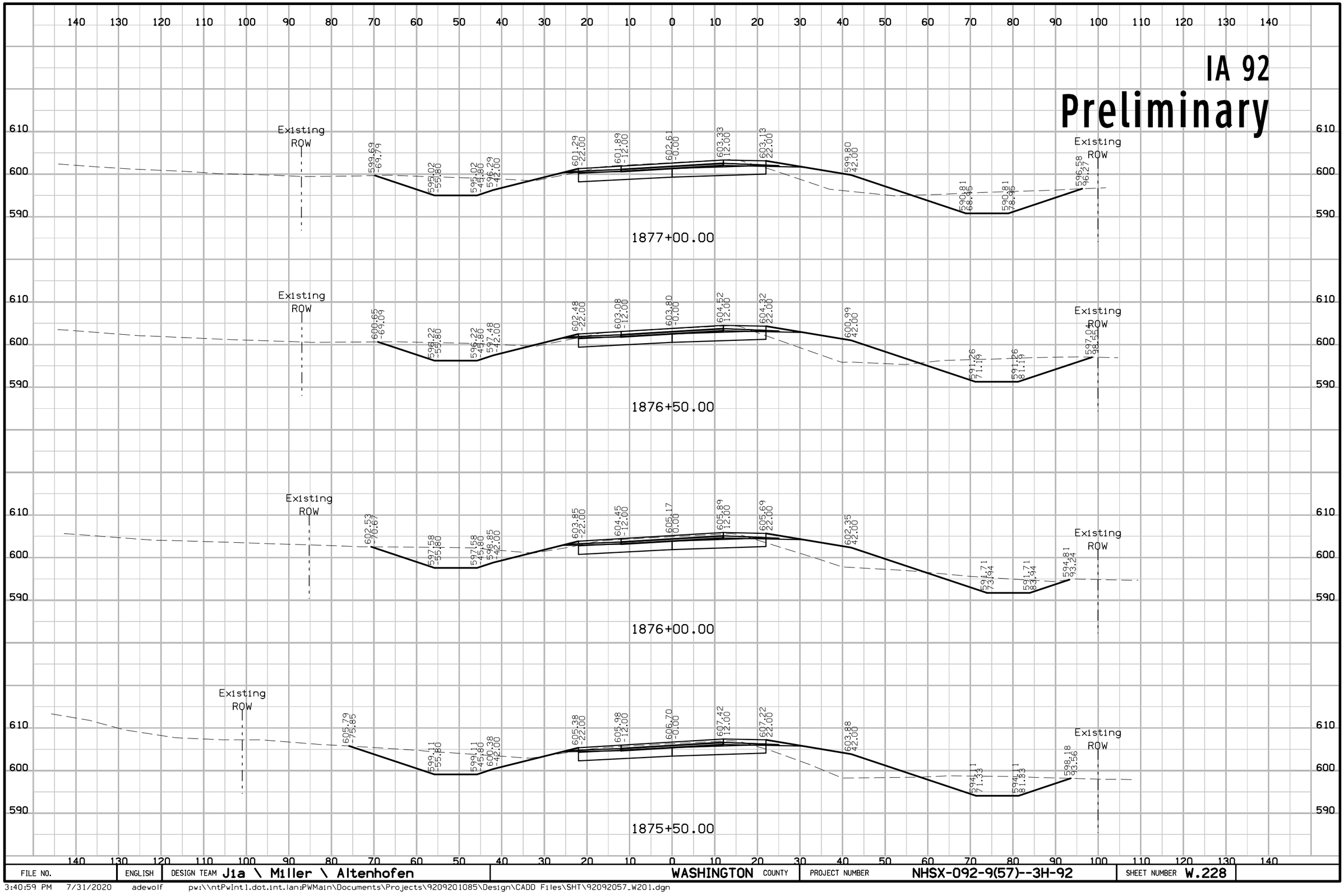
IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.228

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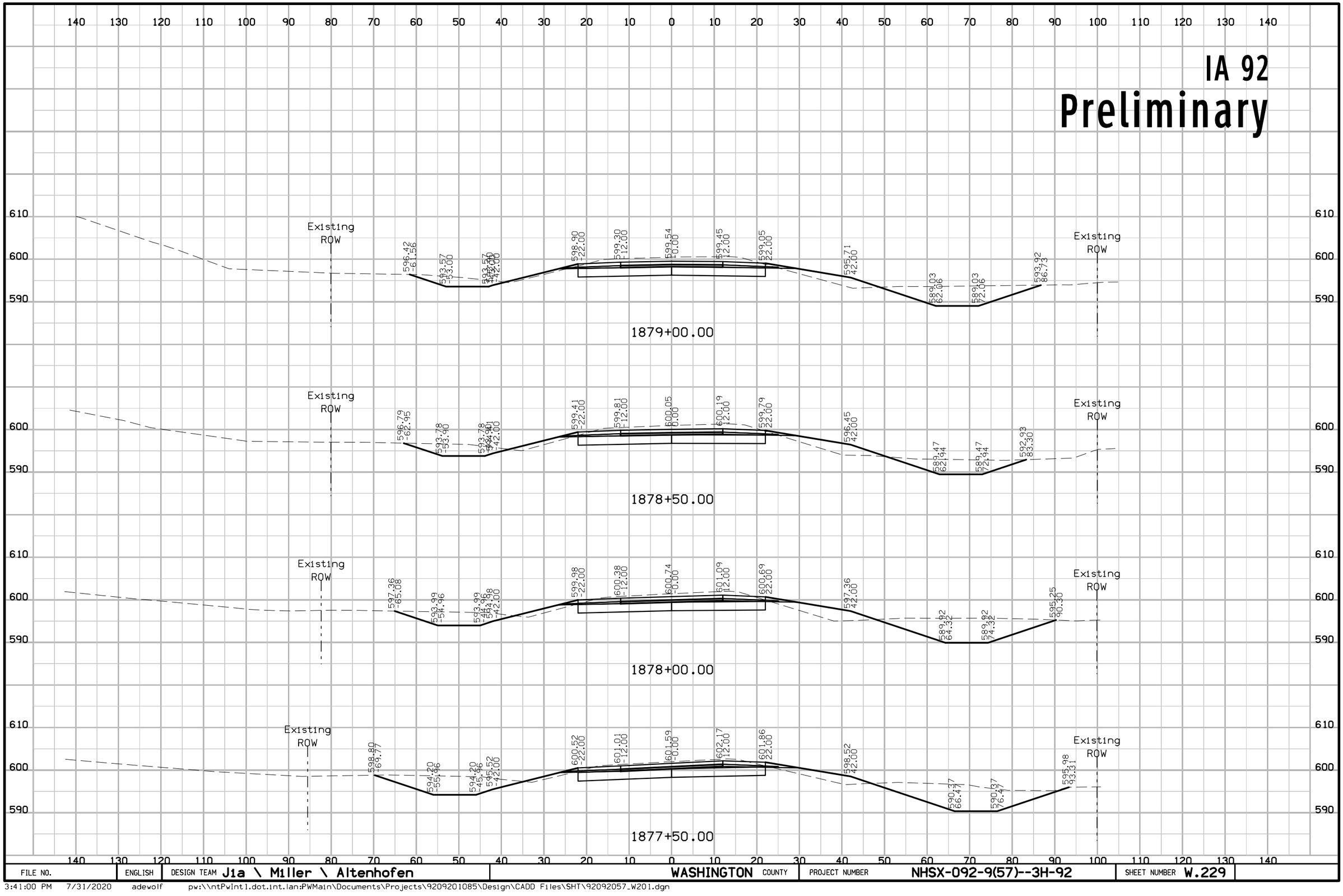
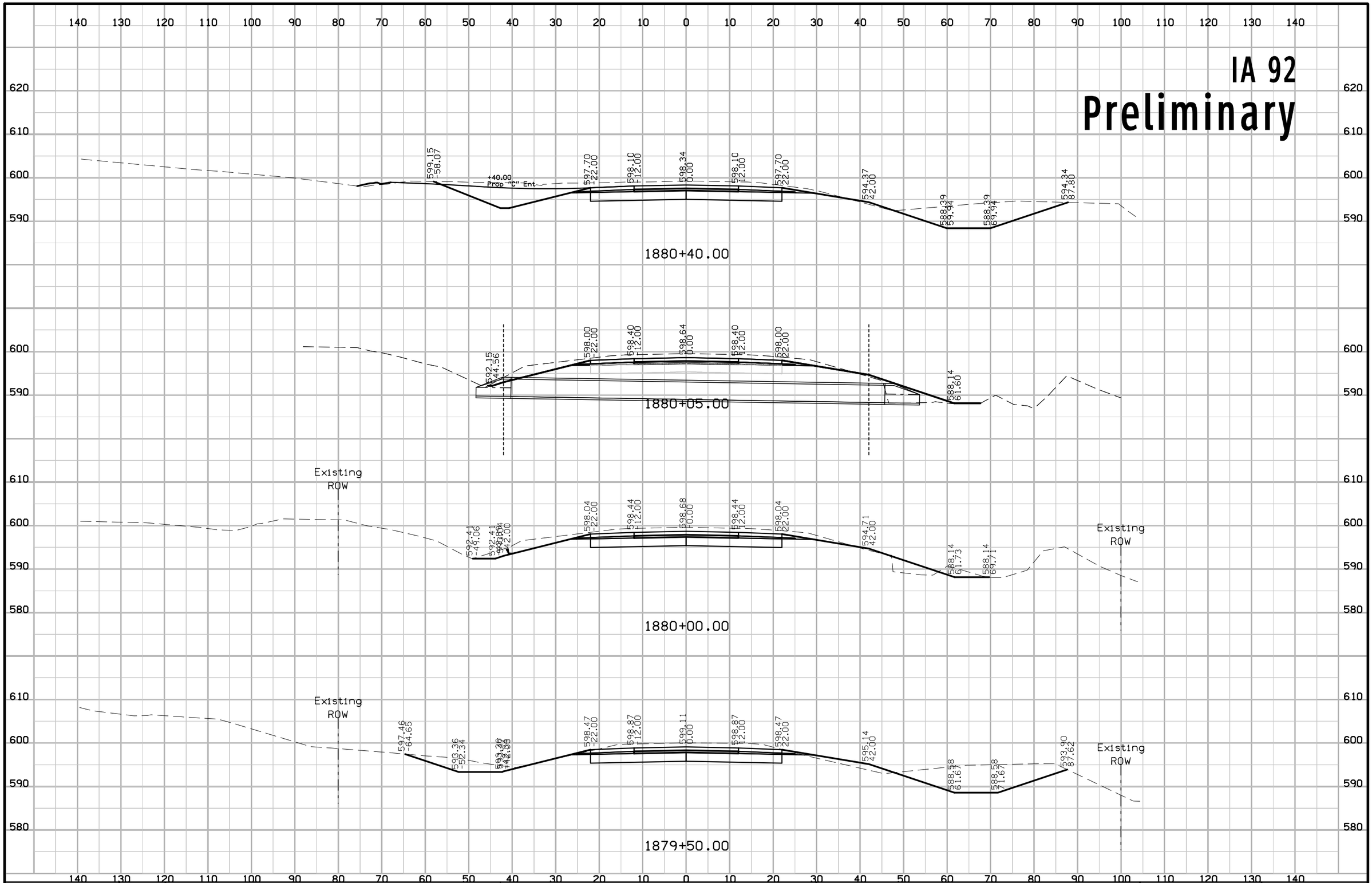
IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.229

3:41:00 PM 7/31/2020 adewolf pw:\\\ntPwInt1.dot.int.lan:PWMain\Documents\Projects\9209201085\Design\CADD Files\SHT\92092057_W201.dgn

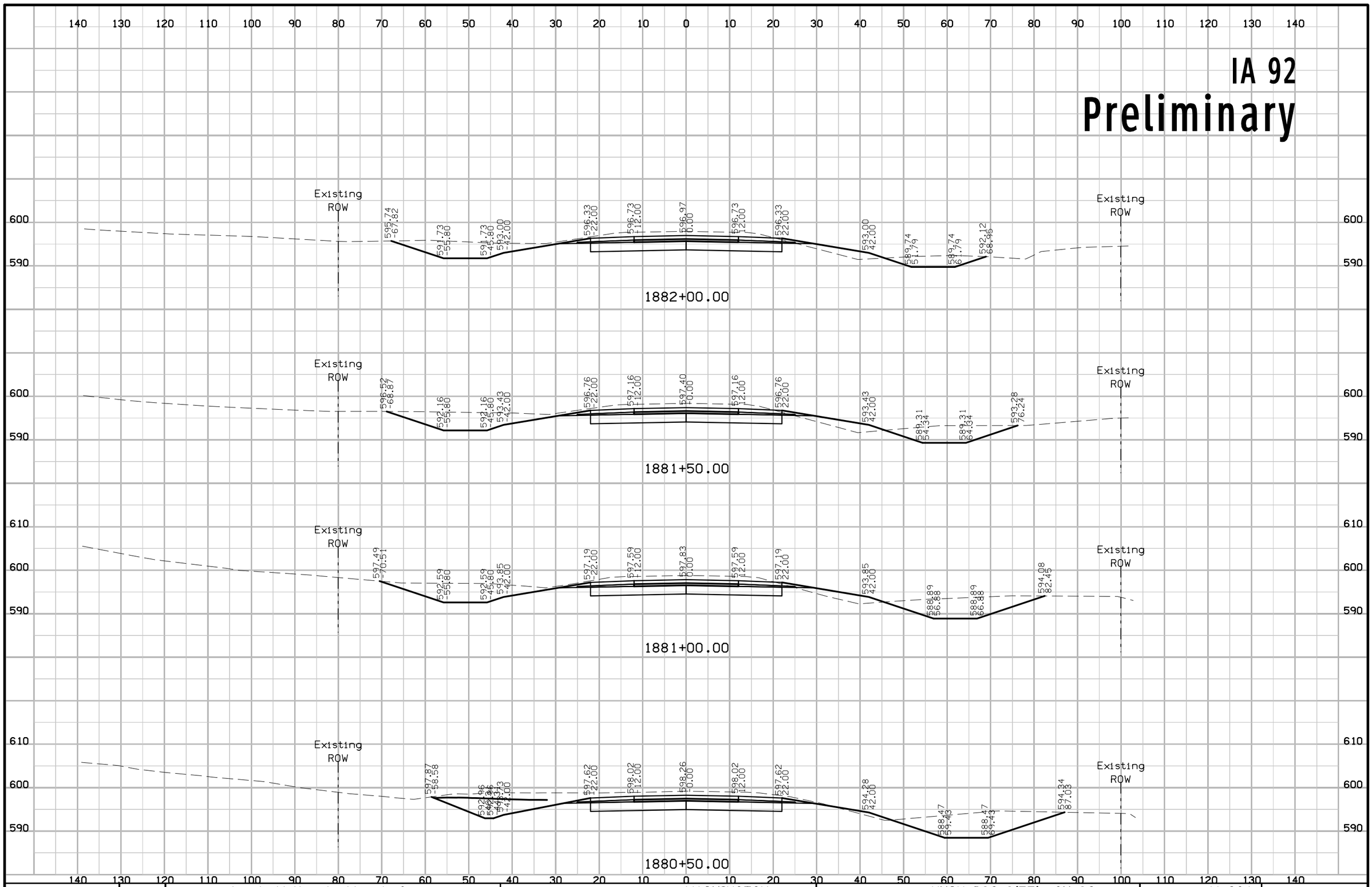
IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM J1a \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.230

3:41:02 PM 7/31/2020 adewolf pw:\\ntPwInt1.dot.int.lan:PWMain\Documents\Projects\9209201085\Design\CADD Files\SHT\92092057_W201.dgn

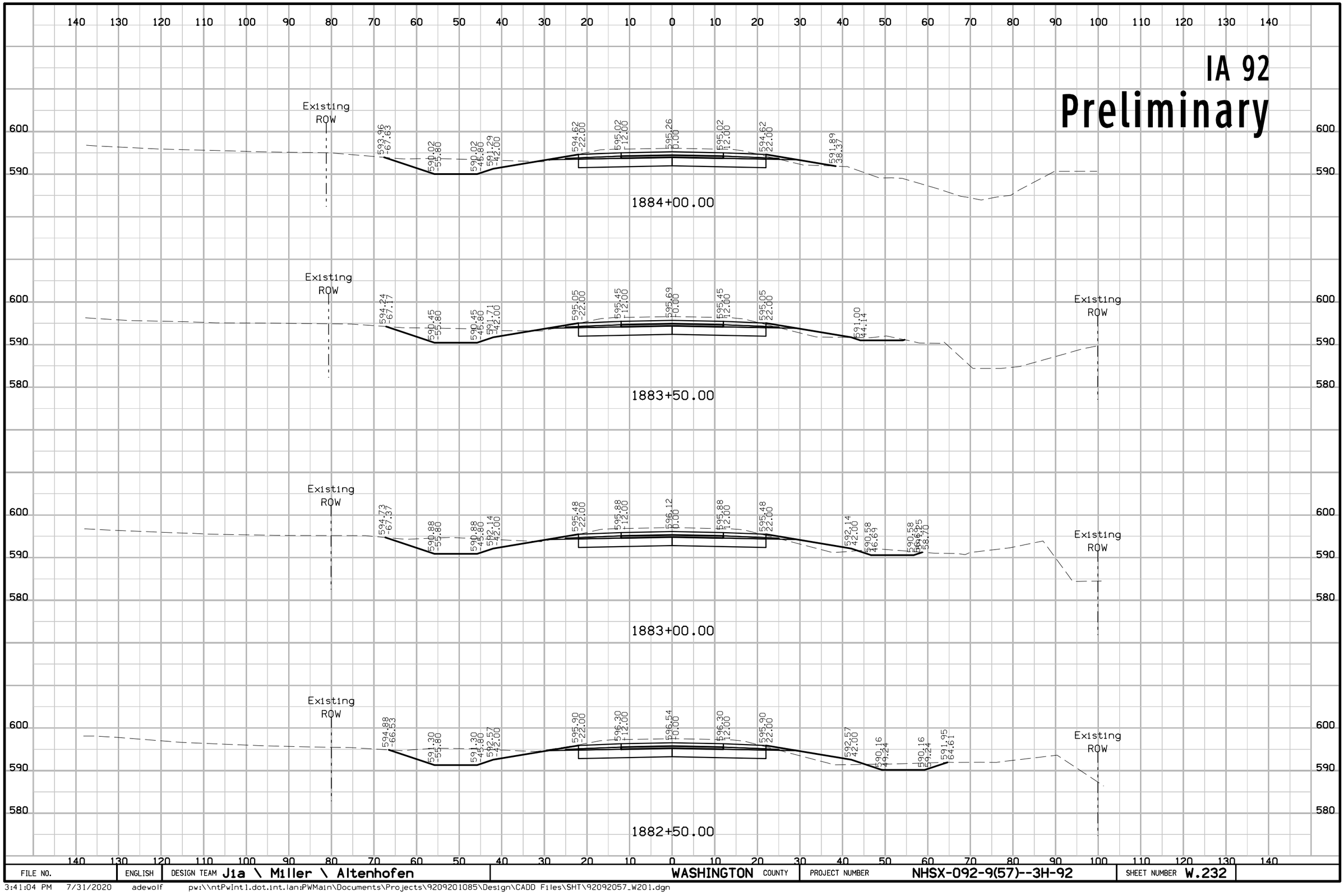
IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM J1a \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.231

3:41:03 PM 7/31/2020 adewolf pw:\\ntPwInt1.dot.int.lan:PWMain\Documents\Projects\9209201085\Design\CADD Files\SHT\92092057_W201.dgn

IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM J1a \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.232

3:41:04 PM 7/31/2020 adewolf pw:\\ntPwInt1.dot.int.lan:PWMain\Documents\Projects\9209201085\Design\CADD Files\SHT\92092057_W201.dgn

IA 92
Preliminary

140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140

600
590

Existing ROW

592.04 -40.50 | 593.64 -29.50 | 593.31 -12.00 | 593.55 0.00 | 593.31 12.00 | 592.91 22.00 | 589.58 42.00 | 588.49 45.27 | 588.49 55.27 | 591.57 64.52

1886+00.00

Existing ROW

595.85 -72.14 | 589.57 -53.30 | 589.57 -51.30 | 589.57 -47.00 | 593.34 -22.00 | 593.74 -12.00 | 593.98 0.00 | 593.74 12.00 | 593.34 22.00 | 590.00 42.00 | 588.90 45.30 | 588.90 55.30 | 591.08 61.84

1885+50.00

Existing ROW

589.42 -44.01 | 593.42 -22.00 | 593.82 -12.00 | 594.06 0.00 | 593.82 12.00 | 593.42 22.00 | 588.97 46.36

1885+40.00

Existing ROW

596.13 -74.72 | 589.49 -54.81 | 589.49 -44.43 | 589.49 -42.00 | 593.76 -22.00 | 594.16 -12.00 | 594.40 0.00 | 594.16 12.00 | 593.76 22.00 | 590.76 40.00

1885+00.00

Existing ROW

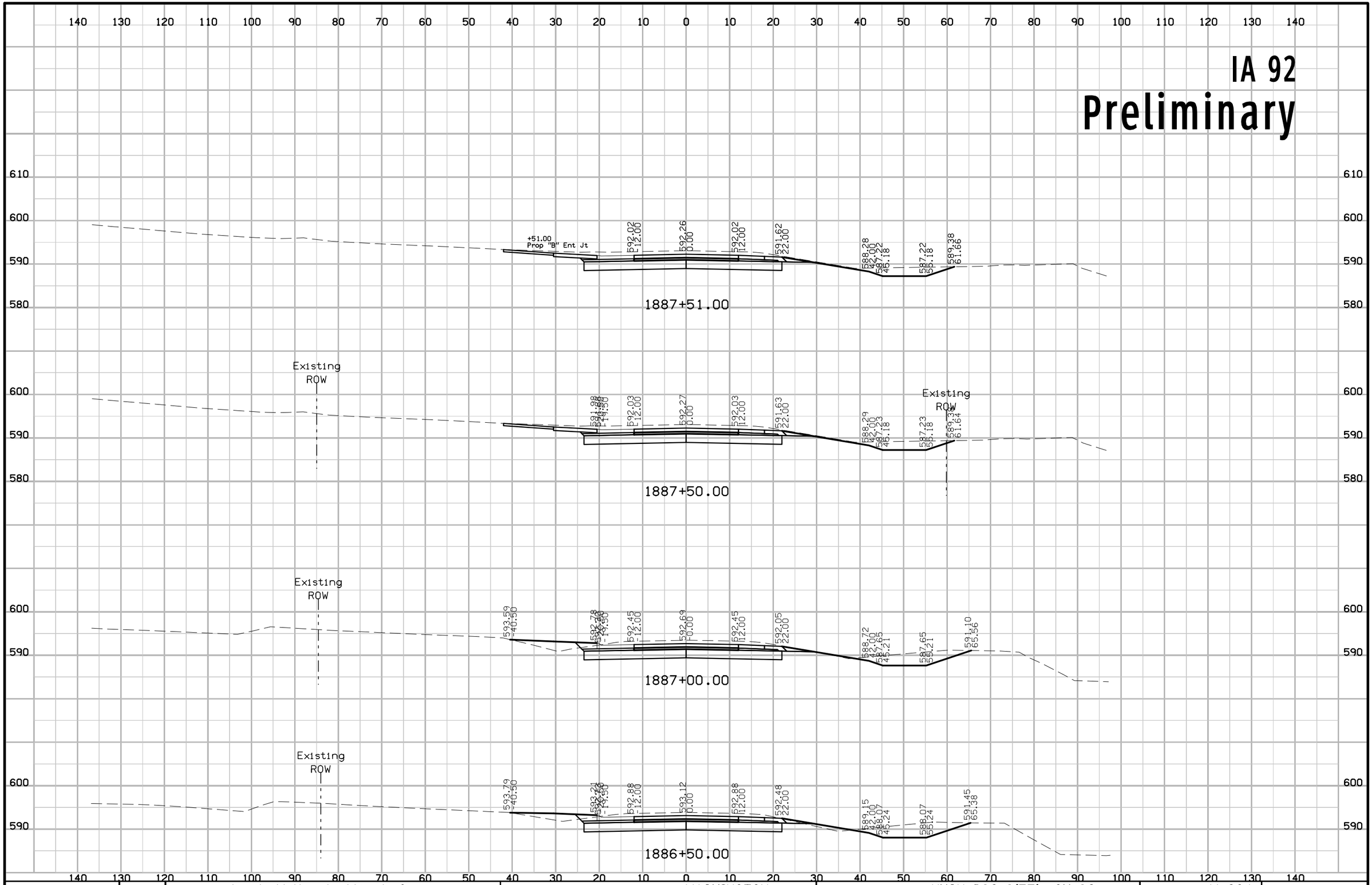
595.65 -73.96 | 589.59 -55.79 | 589.59 -45.79 | 590.86 -42.00 | 594.19 -22.00 | 594.59 -12.00 | 594.83 0.00 | 594.59 12.00 | 594.19 22.00 | 591.46 38.40

1884+50.00

FILE NO.	ENGLISH	DESIGN TEAM J1a \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.233

3:41:06 PM 7/31/2020 adewolf pw:\\ntPwInt1.dot.int.lan:PWMain\Documents\Projects\9209201085\Design\CADD Files\SHT\92092057_W201.dgn

IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM **J1a \ Miller \ Altenhofen**	WASHINGTON COUNTY	PROJECT NUMBER **NHSX-092-9(57)--3H-92**	SHEET NUMBER **W.234**

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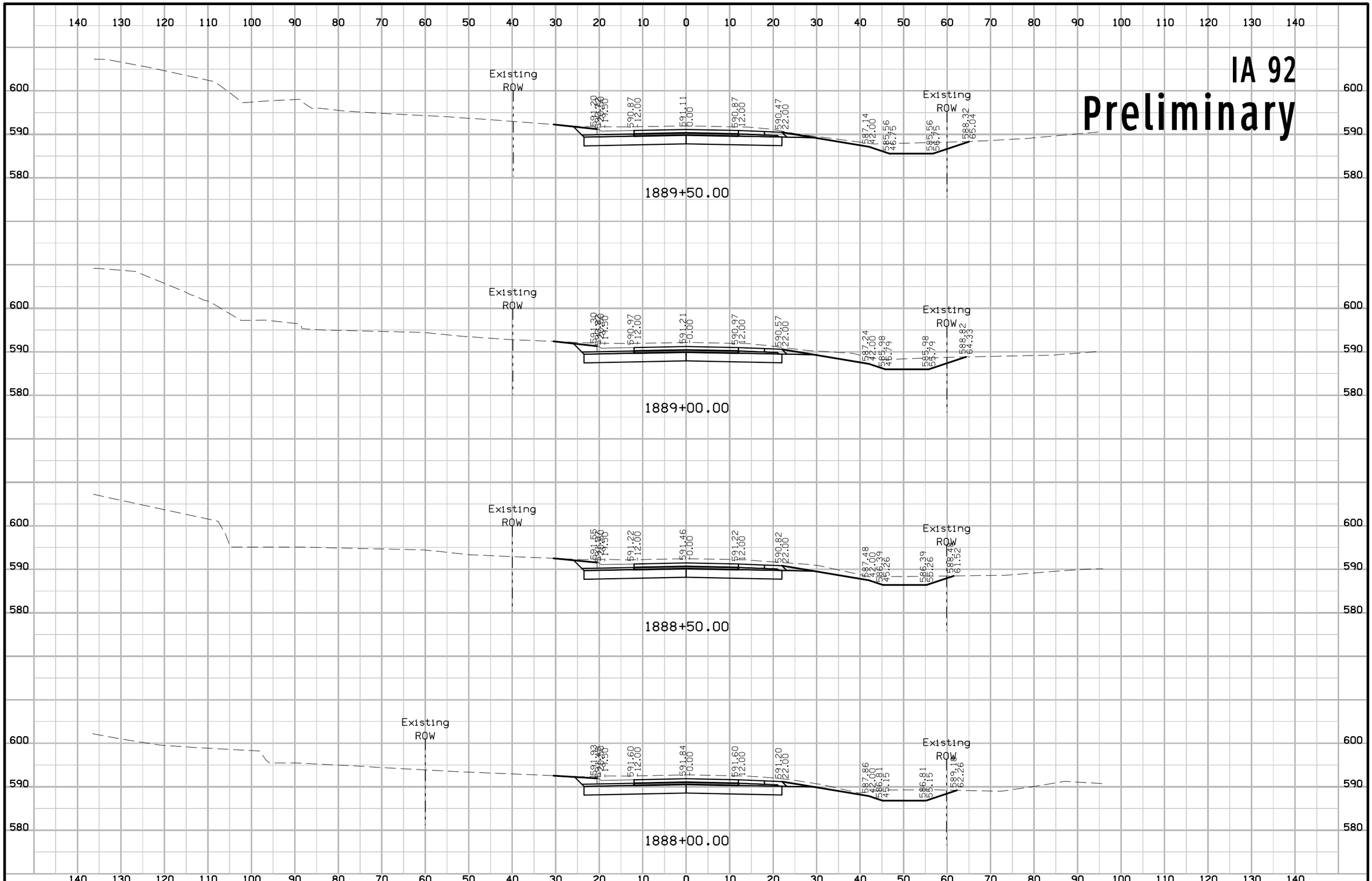
IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.235

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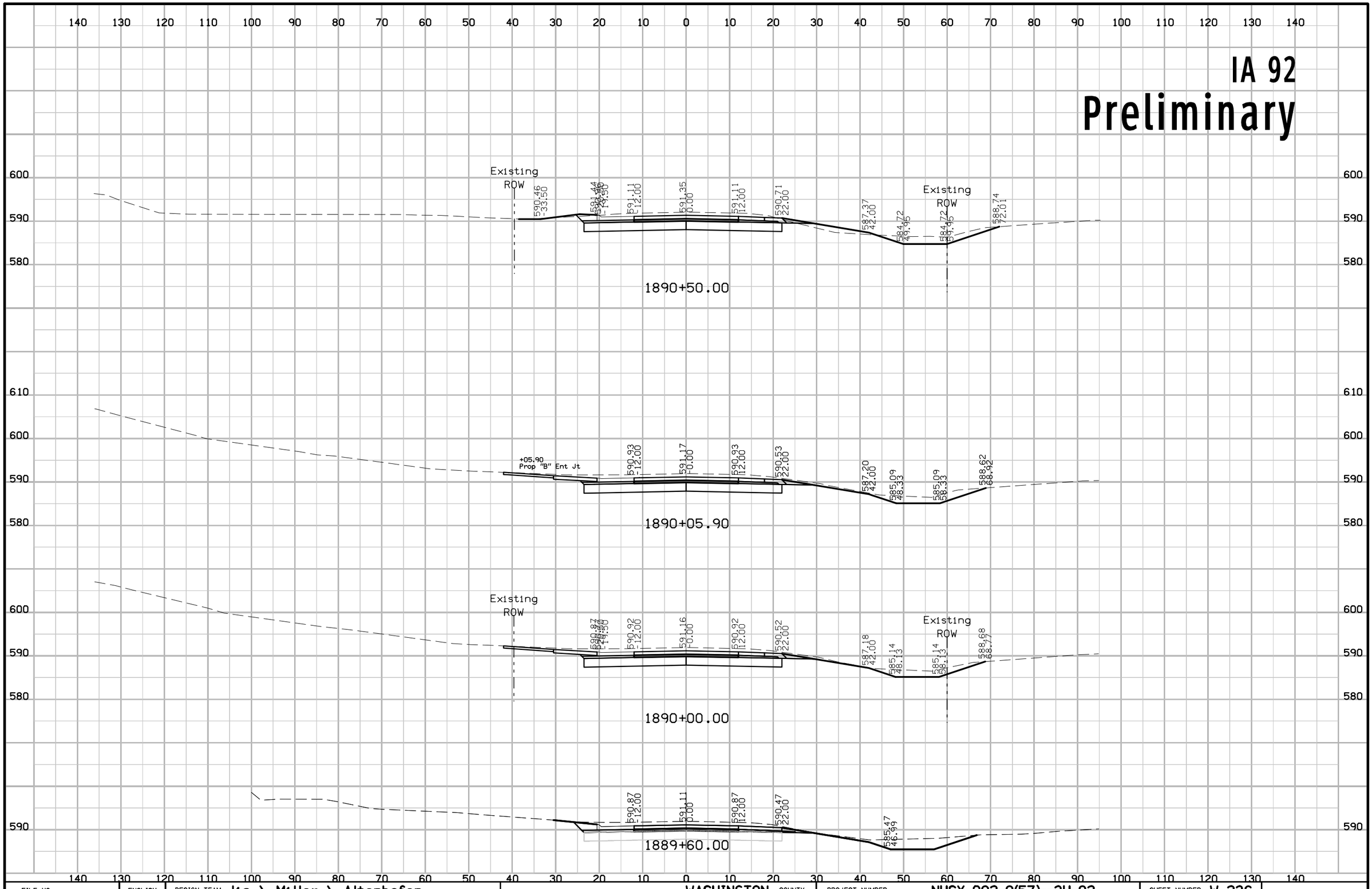
IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.236

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IA 92
Preliminary

140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140

590
600
590

1893+00.00

593.12 -18.00
593.24 12.00
593.48 0.00
593.24 12.00
592.84 22.00
583.05 67.37

1892+50.00

600
590
580

Existing ROW

592.36 -20.50
592.53 12.00
592.77 0.00
592.53 12.00
592.13 22.00
588.79 42.00
583.47 57.98
583.47 67.98
588.97 84.50

1892+00.00

600
590
580

Existing ROW

589.02 42.24
592.24 -19.50
591.91 12.00
592.15 0.00
591.91 12.00
591.51 22.00
588.18 42.00
583.89 54.87
583.89 64.87
589.26 81.00

1891+50.00

600
590
580

Existing ROW

588.93 36.97
591.77 -19.50
591.44 12.00
591.68 0.00
591.44 12.00
591.04 22.00
587.70 42.00
584.30 52.20
584.30 62.20
588.41 74.51

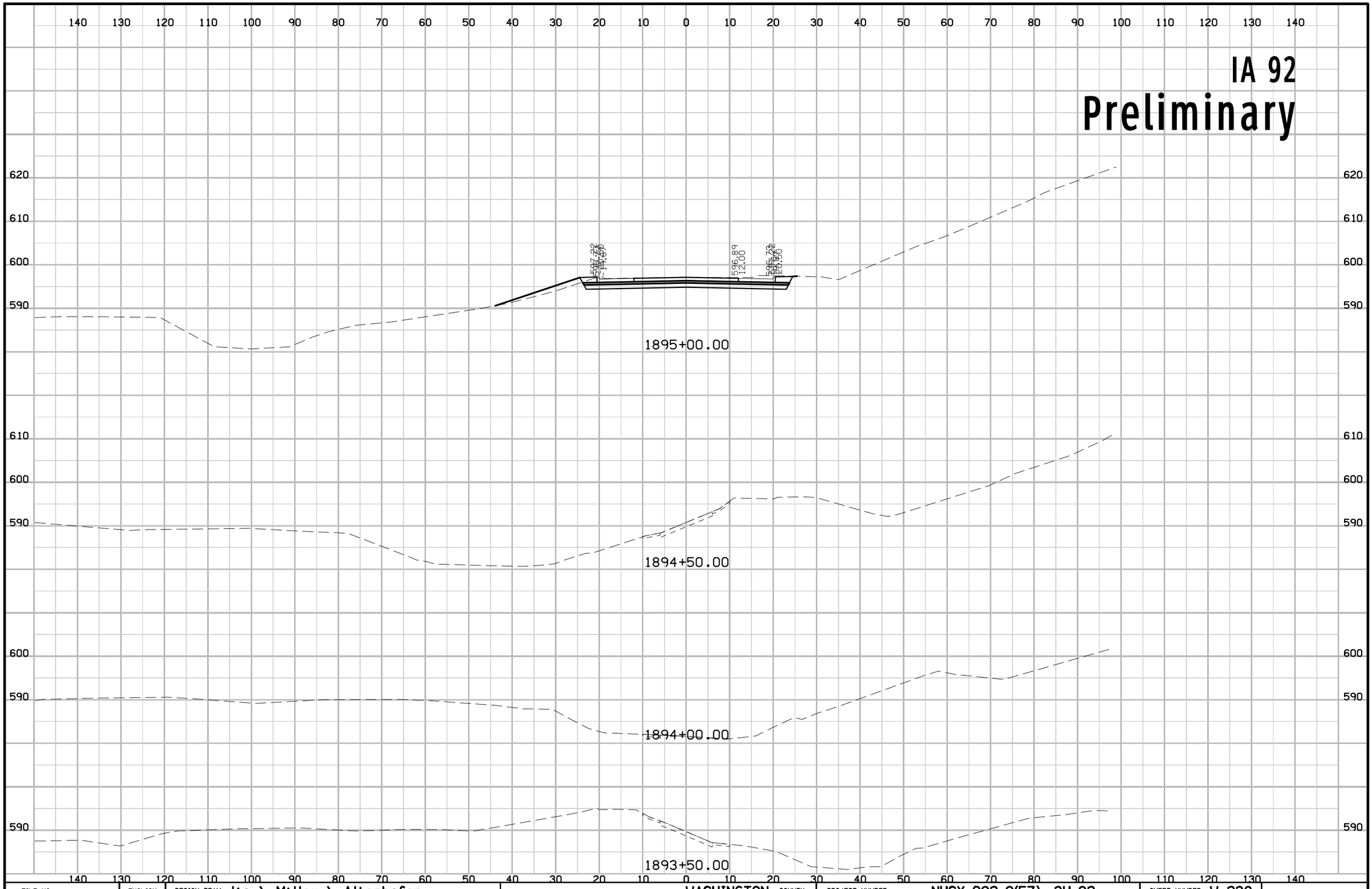
1891+00.00

140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140

FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.237

3:41:11 PM 7/31/2020 adewolf pw:\\ntPwInt1.dot.int.lan:PWMain\Documents\Projects\9209201085\Design\CADD Files\SHT\92092057_W201.dgn

IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM J1a \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.238

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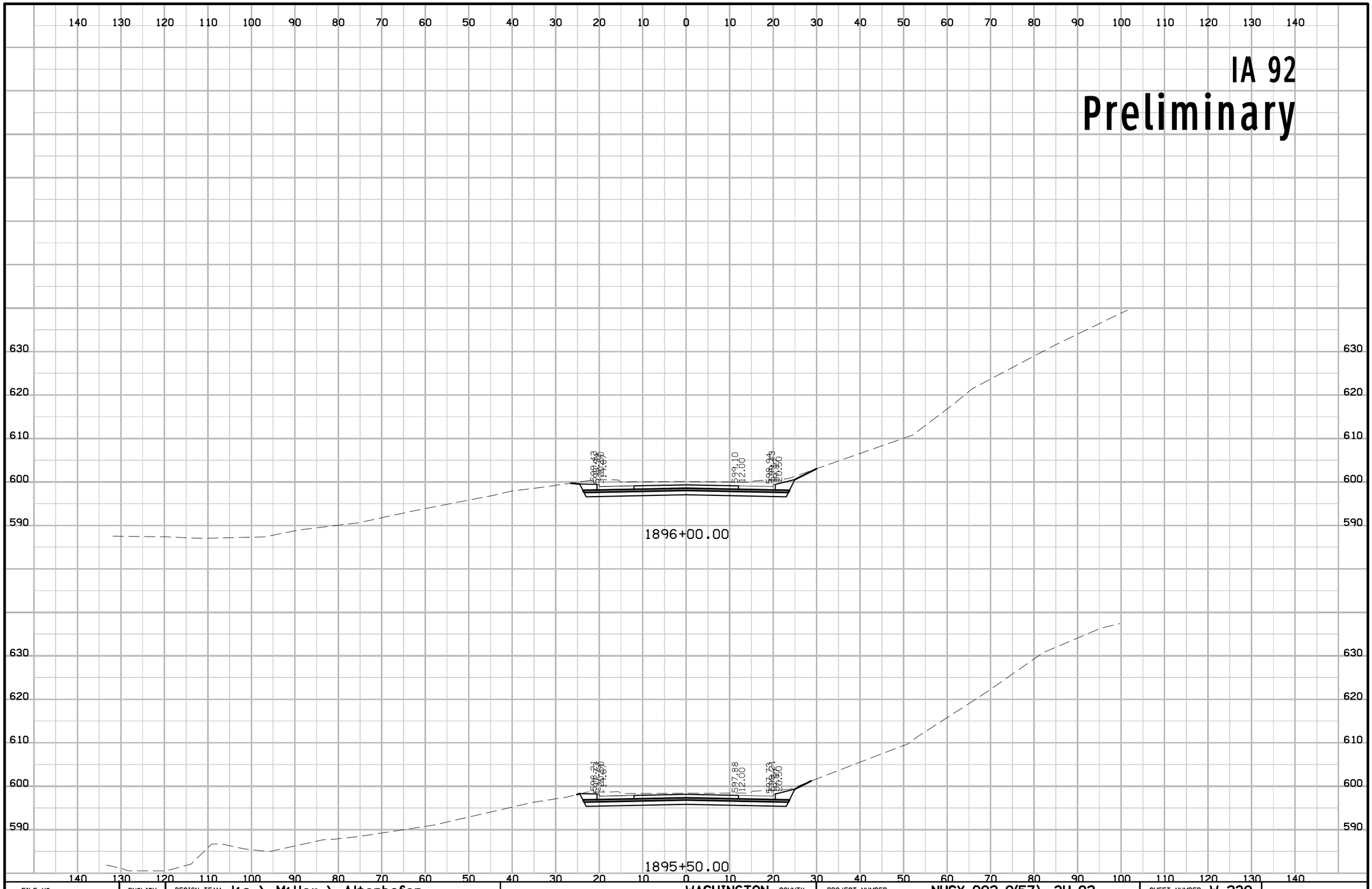
IA 92

Preliminary



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.239

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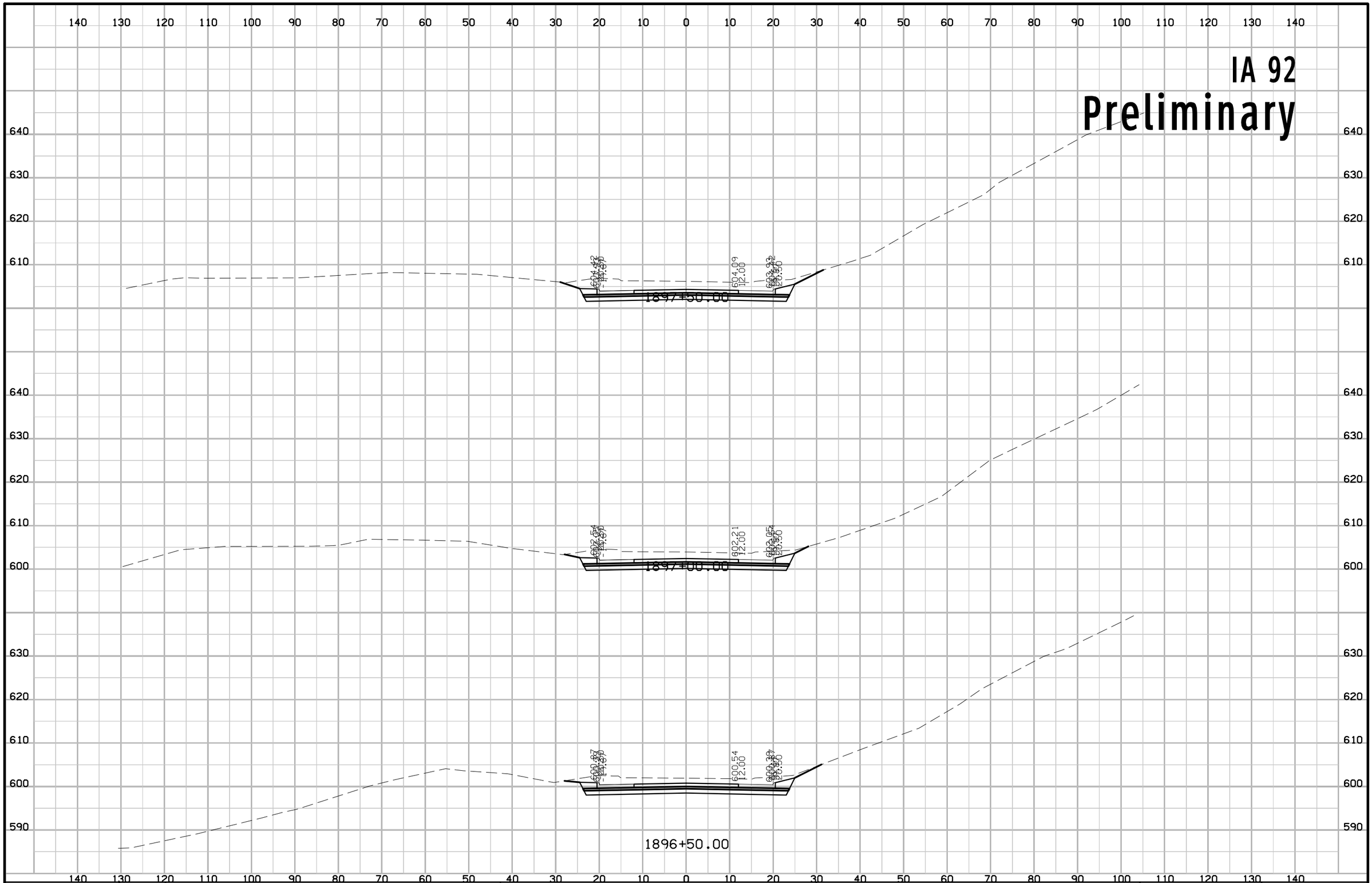
IA 92

Preliminary



FILE NO.	ENGLISH	DESIGN TEAM J1a \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.240

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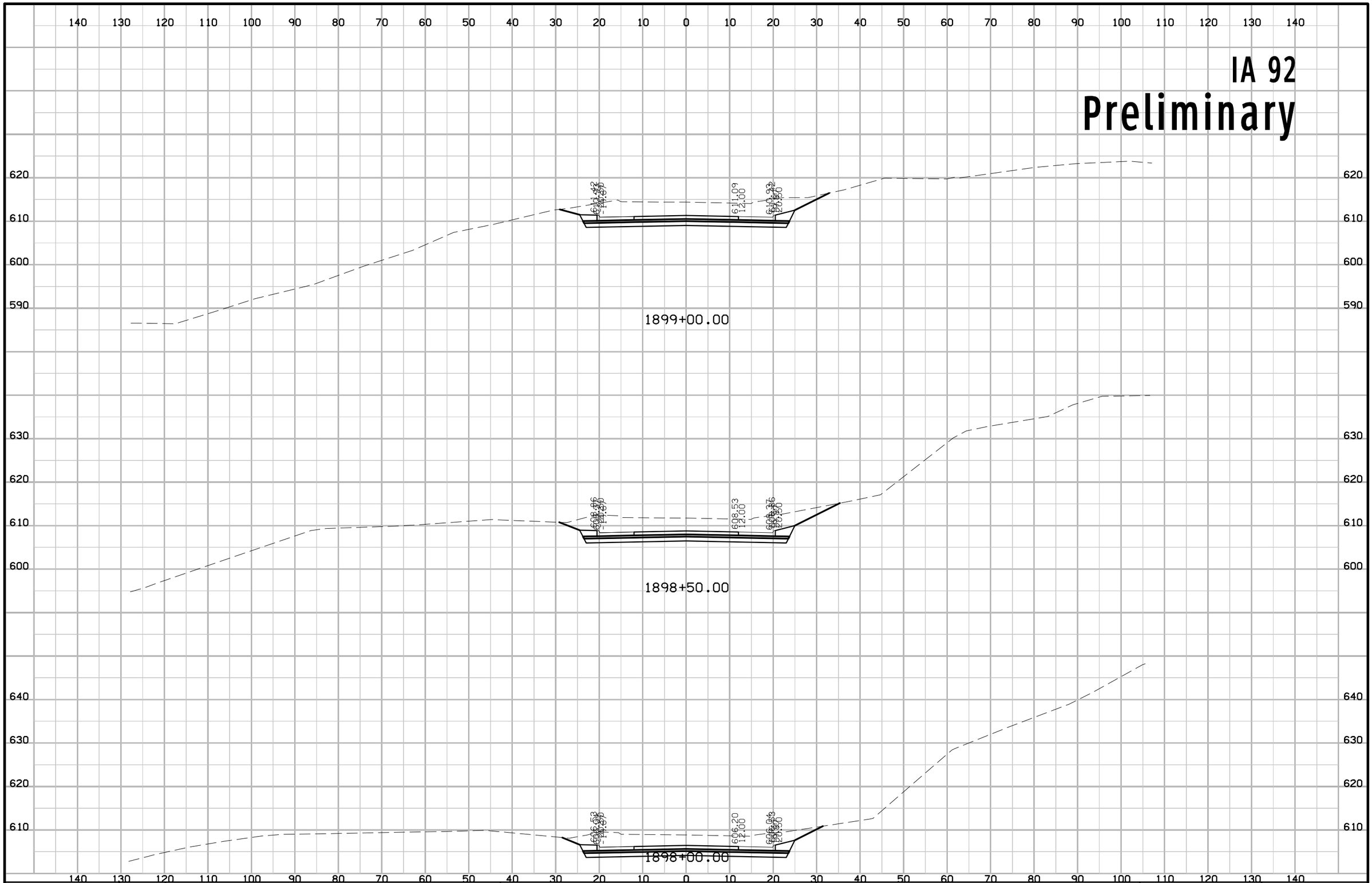
IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM J1a \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.241

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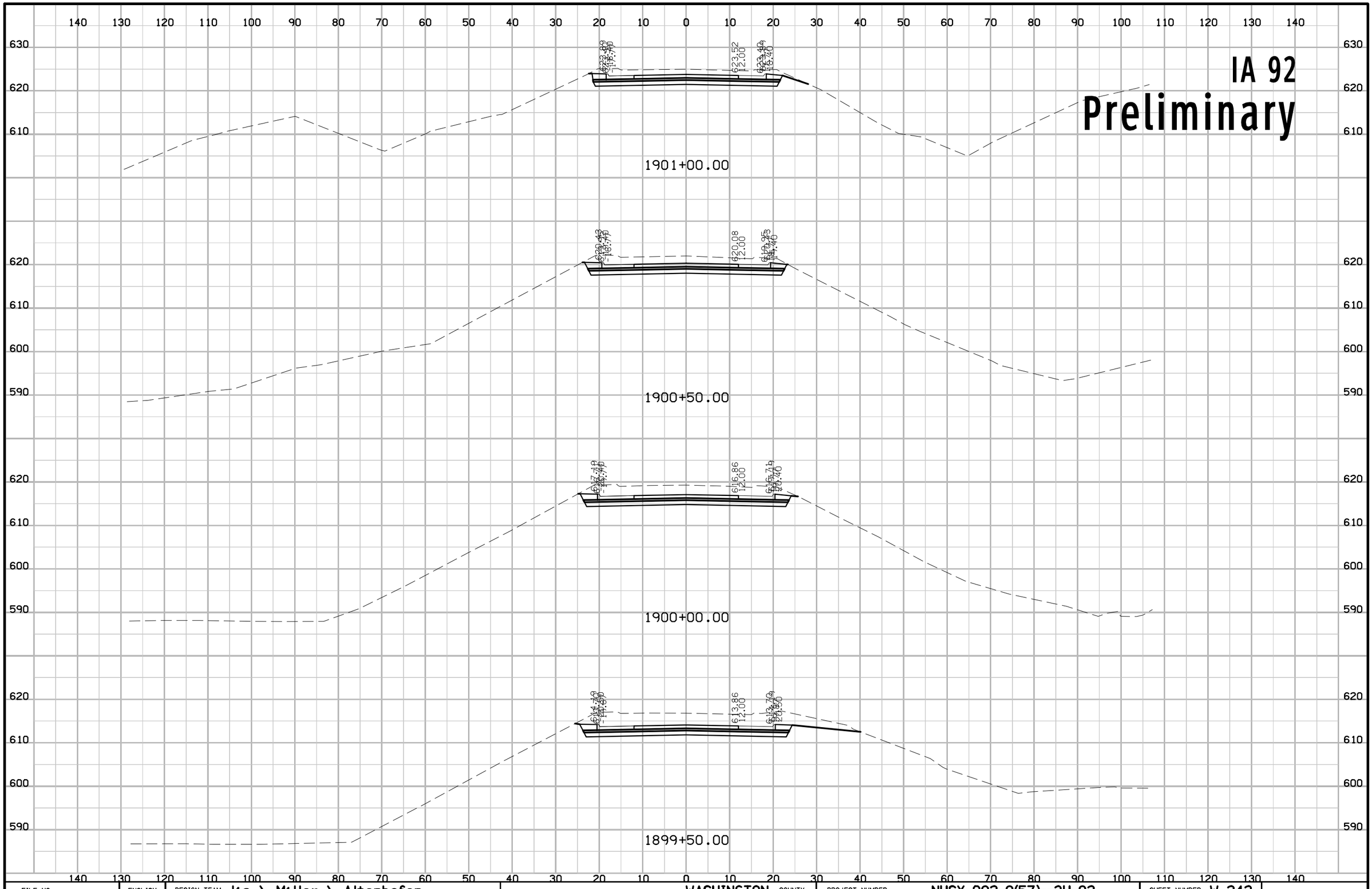
IA 92

Preliminary



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.242

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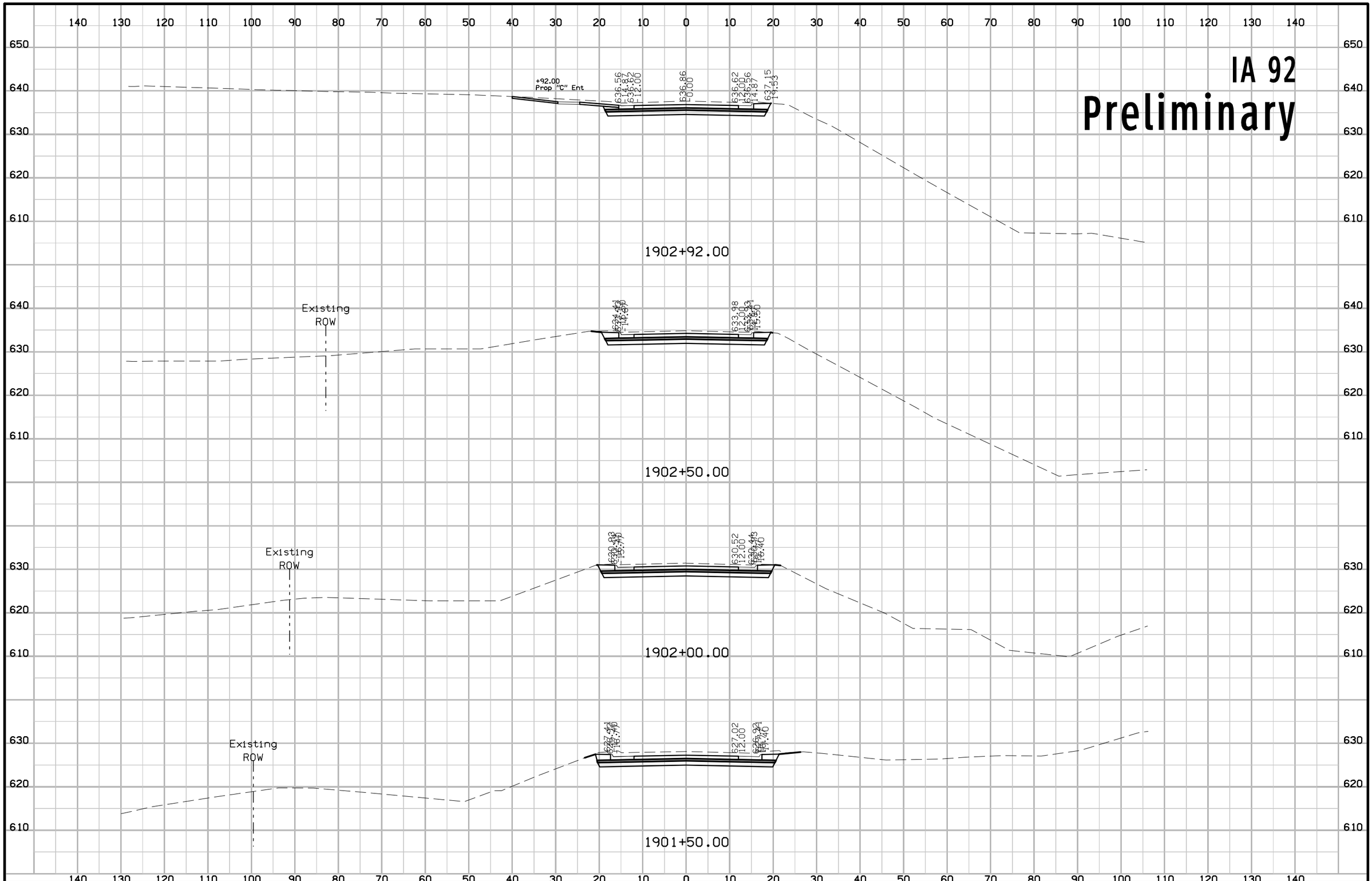
IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM J1a \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.243

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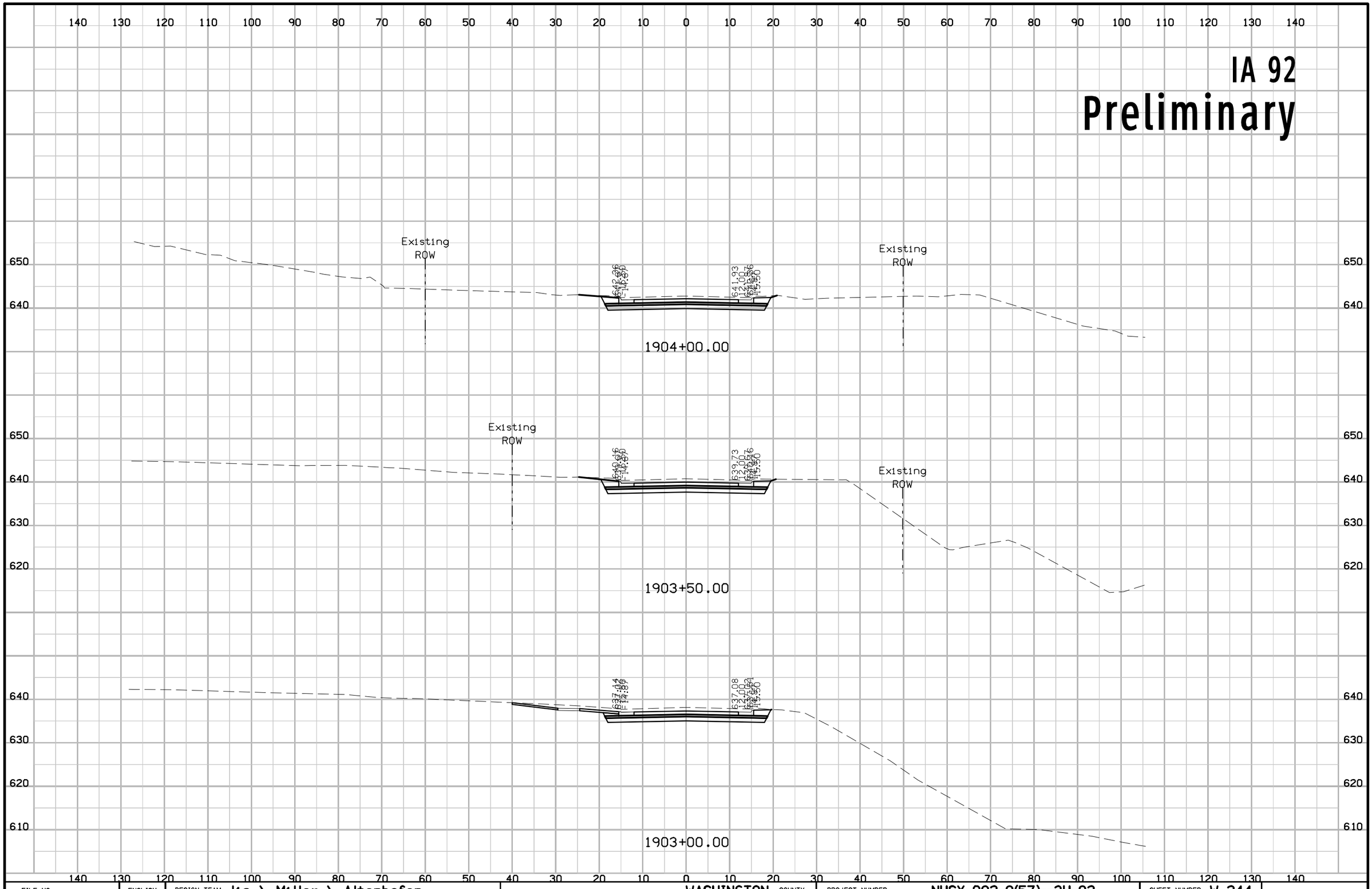
IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.244

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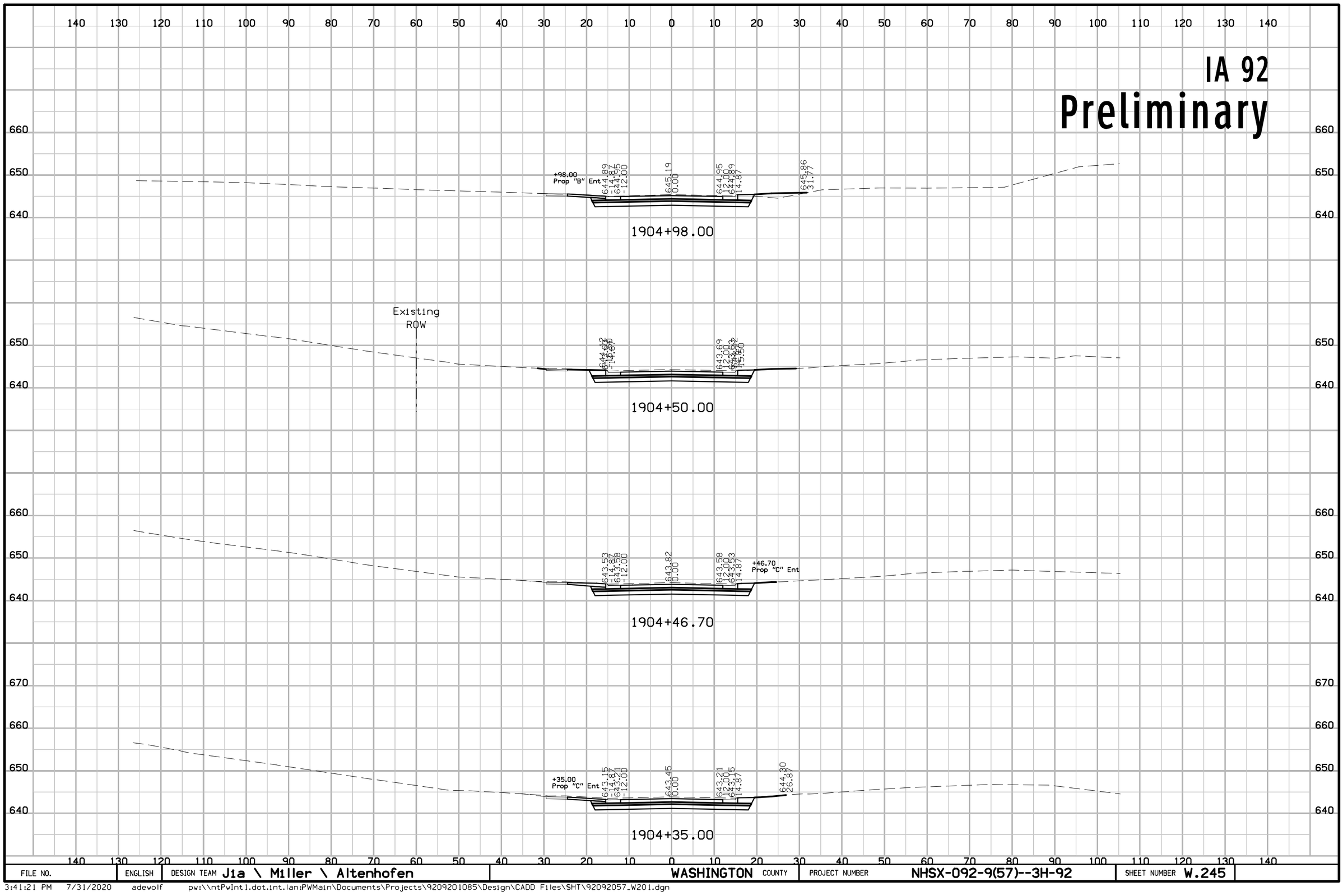
IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM J1a \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.245

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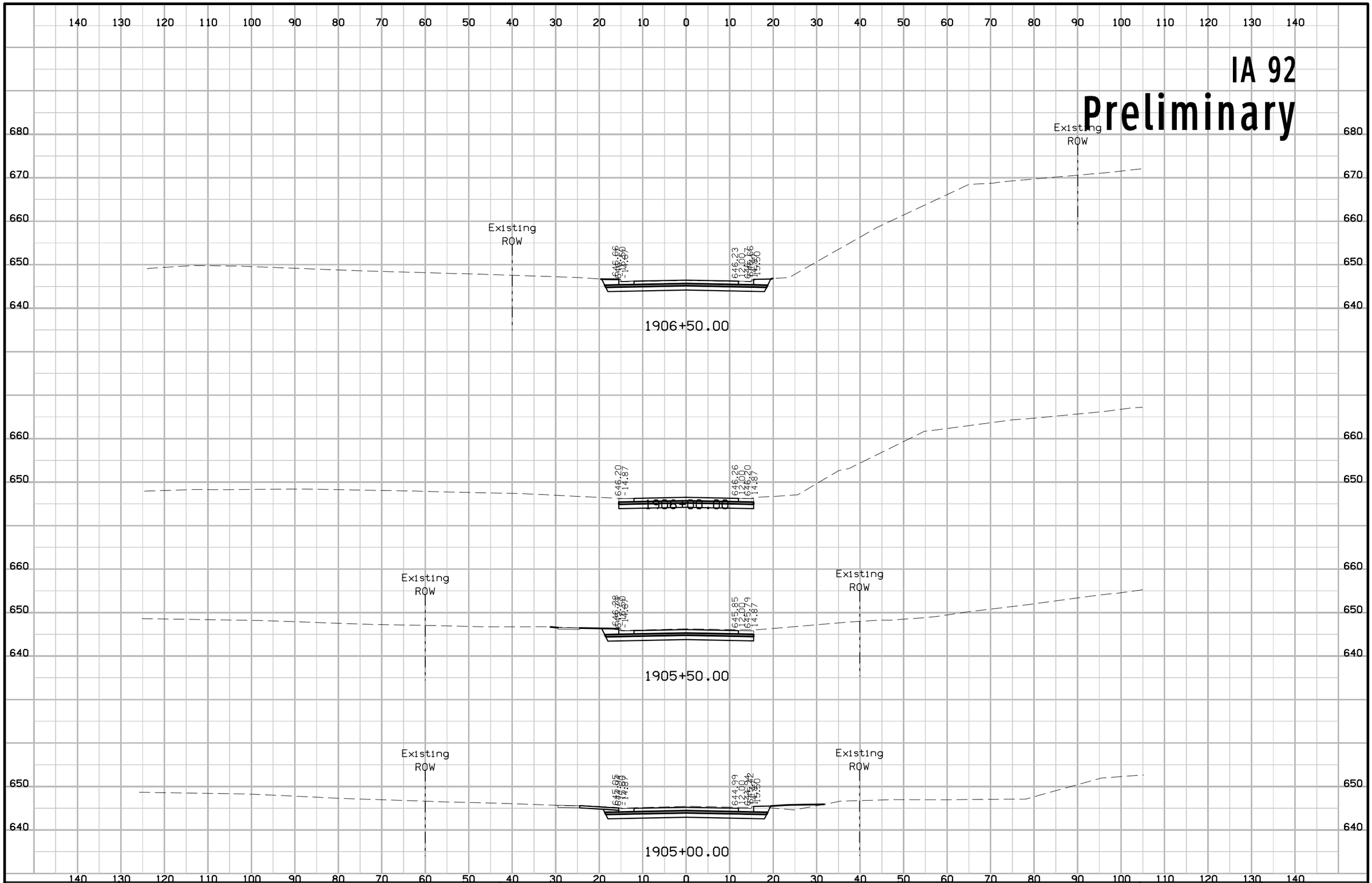
IA 92

Preliminary



FILE NO.	ENGLISH	DESIGN TEAM J1a \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.246

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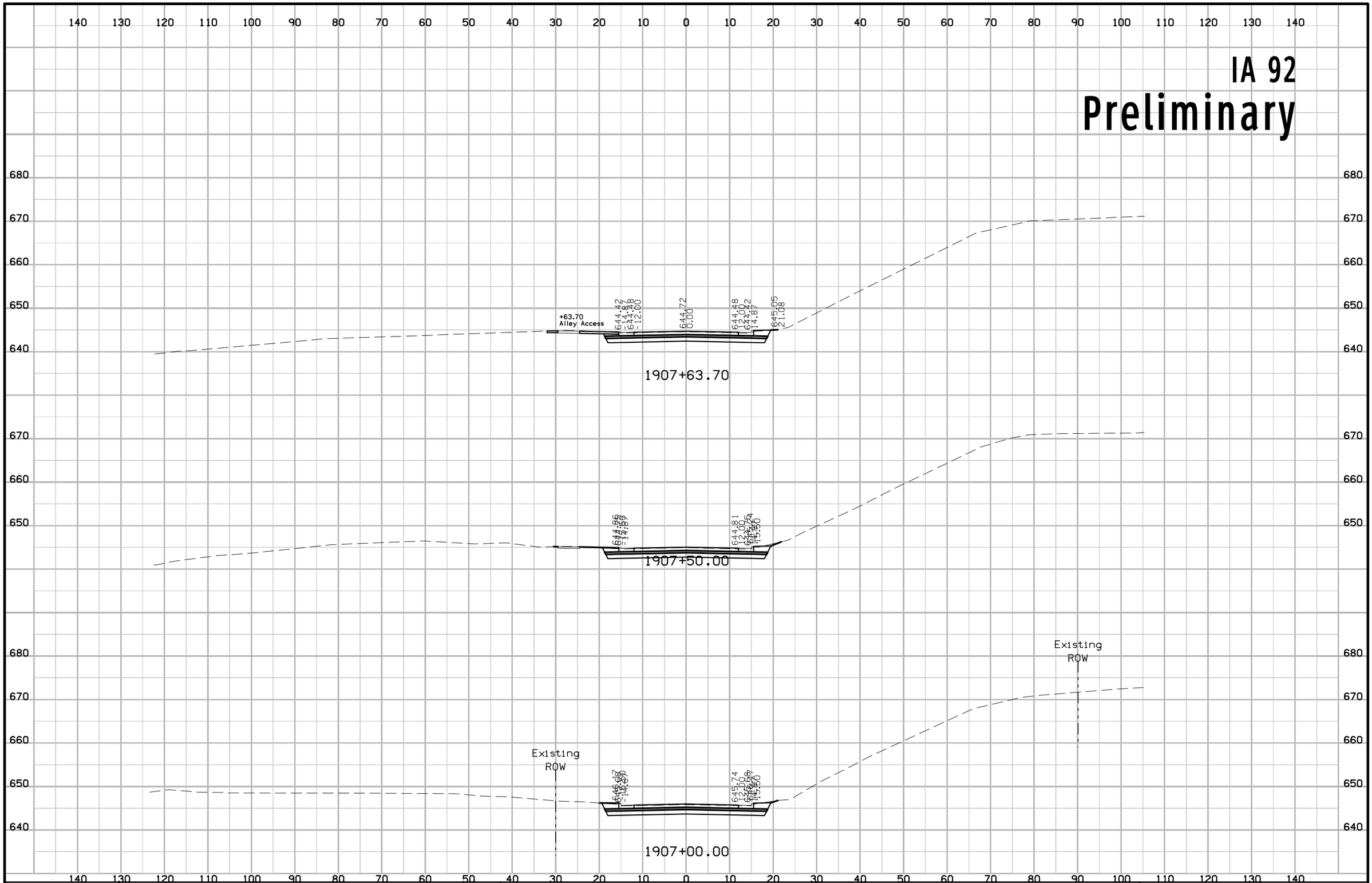
IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM J1a \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.247

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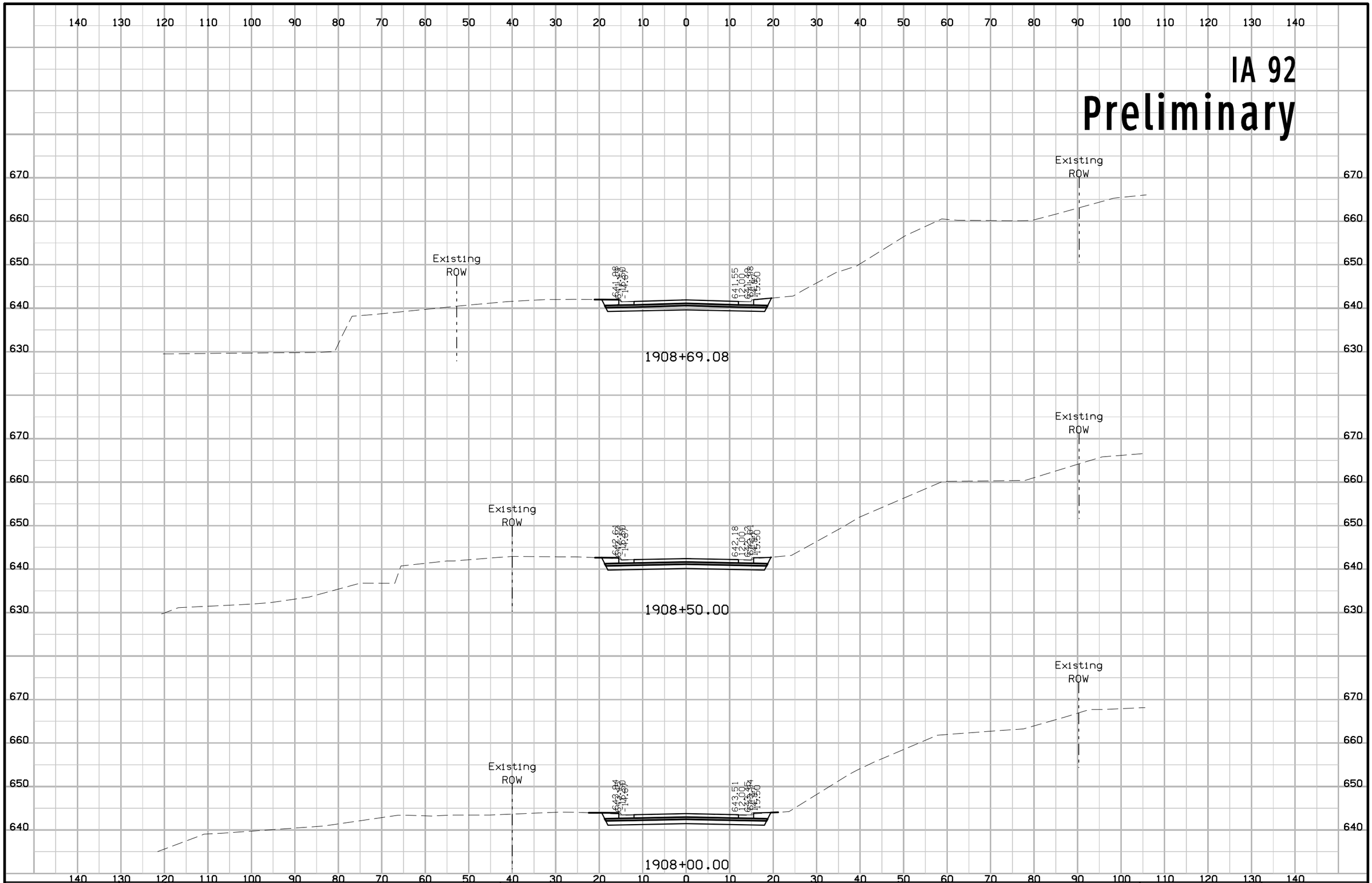
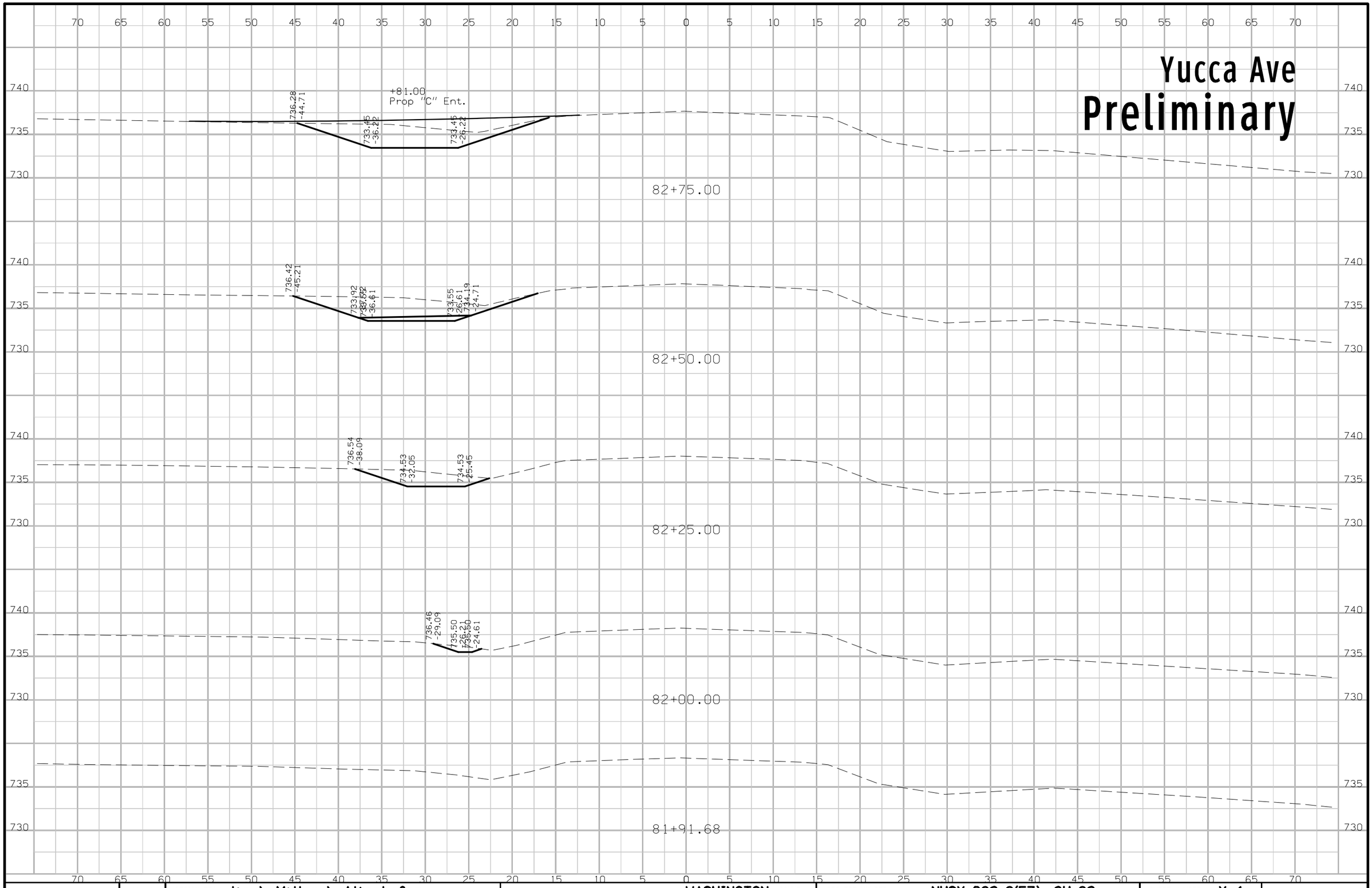
IA 92
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM J1a \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER W.248

3:41:25 PM 7/31/2020 adewolf pw:\\ntPwInt1.dot.int.lan:PWMain\Documents\Projects\9209201085\Design\CADD Files\SHT\92092057_W201.dgn

Yucca Ave
Preliminary

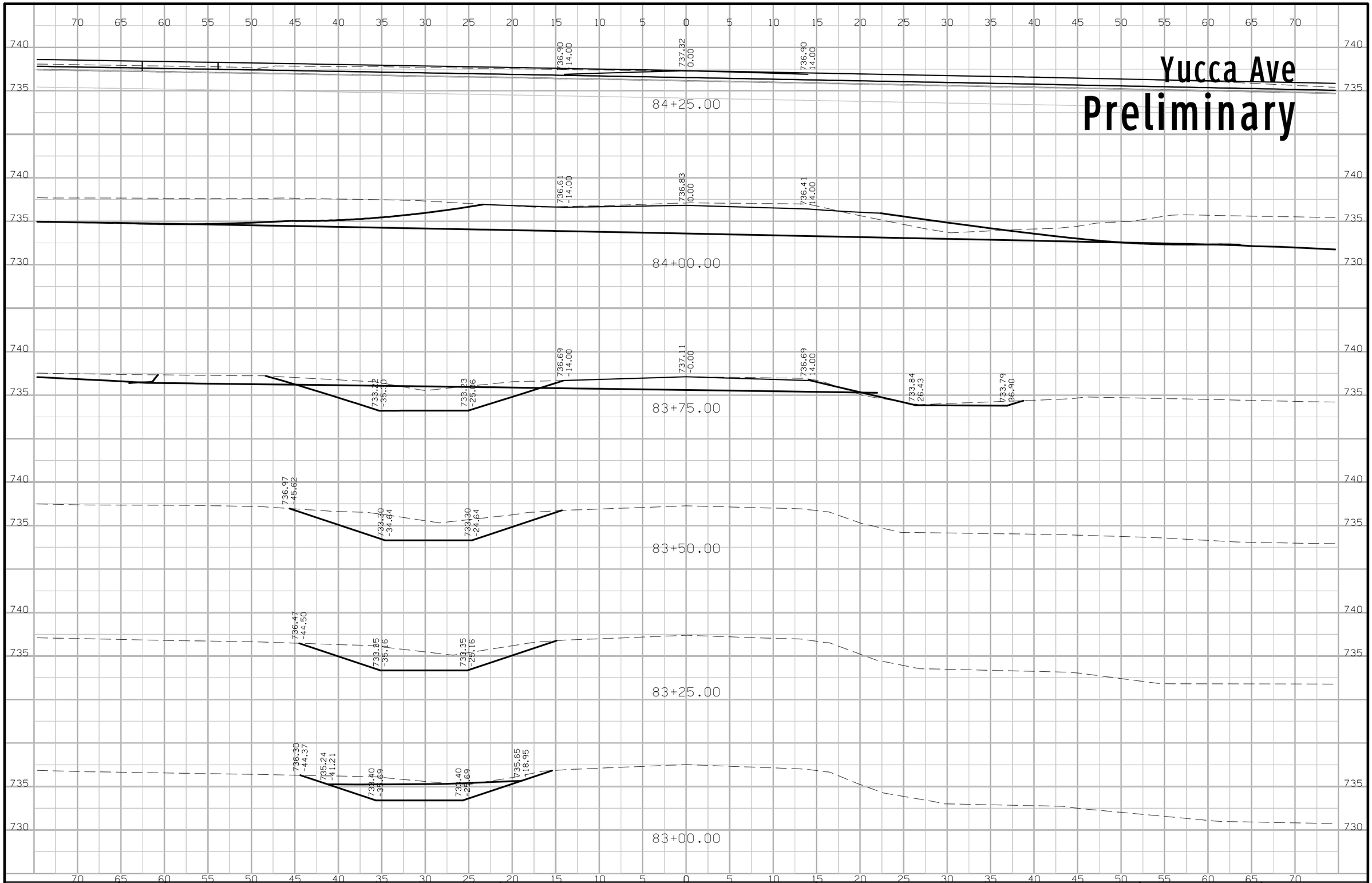


FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER X.1

3:19:59 PM 7/31/2020 adewolf pw:\\ntPwInt1.dot.int.lan:PWMain\Documents\Projects\9209201085\Design\CADD Files\SHT\92092057_X01_SRYucca.dgn

Yucca Ave

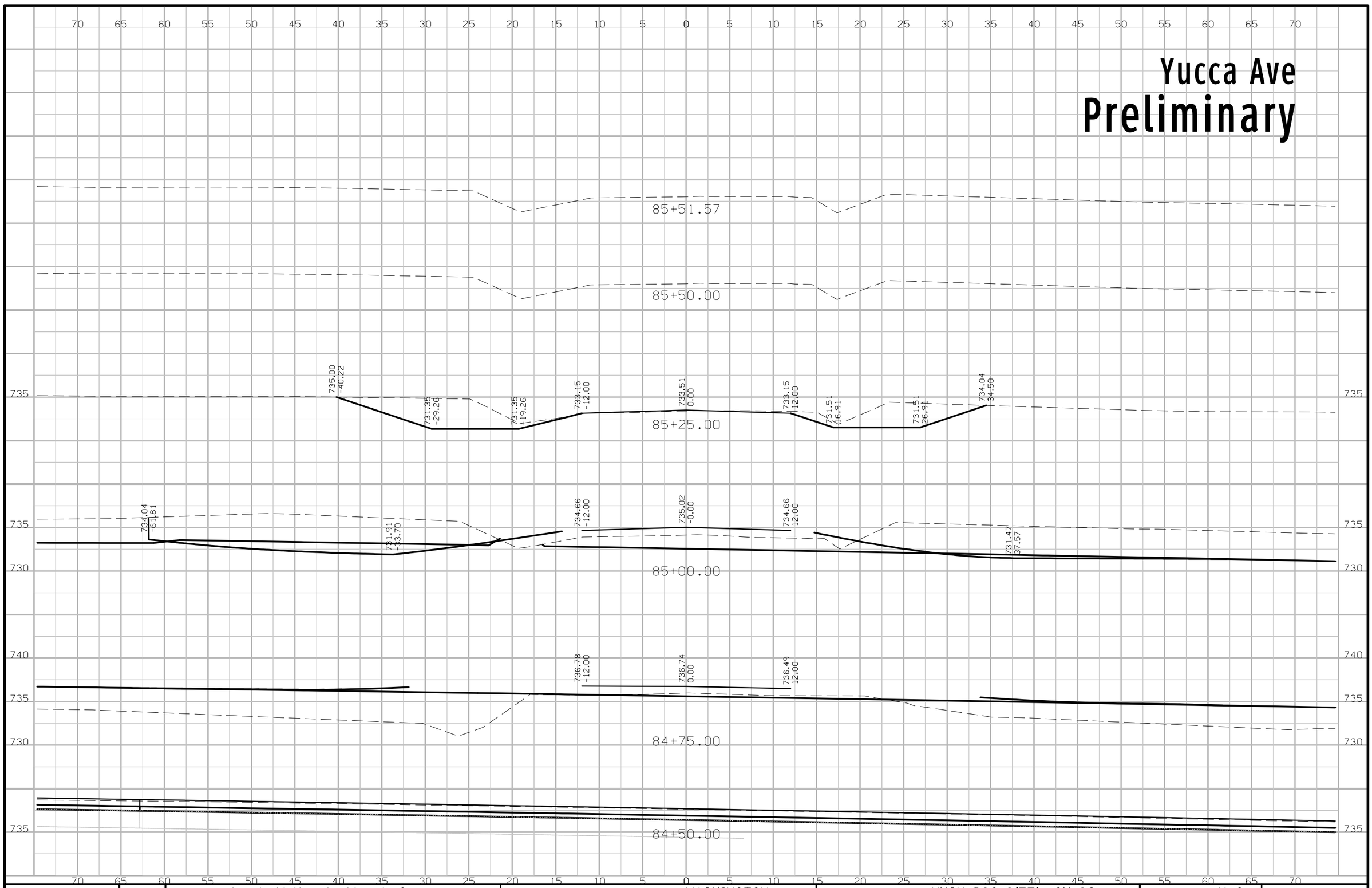
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER X.2

3:20:00 PM 7/31/2020 adewolf pw:\\ntPwInt1.dot.int.lan:PWMain\Documents\Projects\9209201085\Design\CADD Files\SHT\92092057_X01_SRYucca.dgn

Yucca Ave
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER X.3

3:20:01 PM 7/31/2020 adewolf pw:\\ntPwInt1.dot.int.lan:PWMain\Documents\Projects\9209201085\Design\CADD Files\SHT\92092057_X01_SRYucca.dgn

County Line Rd

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

735
730

734.94
-14.00
734.56
0.00
734.37
14.00
733.91
62.88
733.02

63+75.00

735

63+50.00

735

63+25.00

735

734.94
-12.00
734.77
0.00
734.41
12.00
733.52
41.20

63+00.00

735
730

731.66
-54.20
731.65
-52.28
731.60
-32.66
734.74
-12.00
734.80
-0.00
734.55
12.00
733.95
16.42

62+75.00

735
730

735

62+50.00

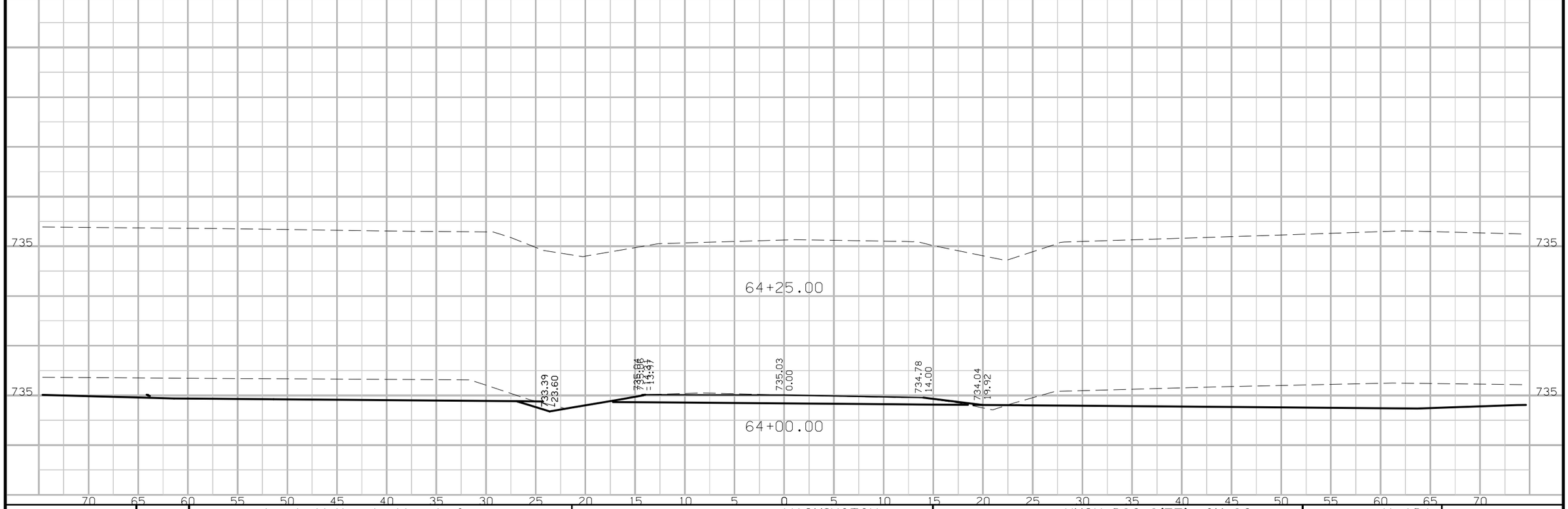
735
730

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 J1a \ M1ller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER X.100

3:20:09 PM 7/31/2020 adewolf pw:\\ntPwInt1.dot.int.lan:PWMain\Documents\Projects\9209201085\Design\CADD Files\SHT\92092057_X100_SRCountyLine.dgn

County Line Rd
Preliminary

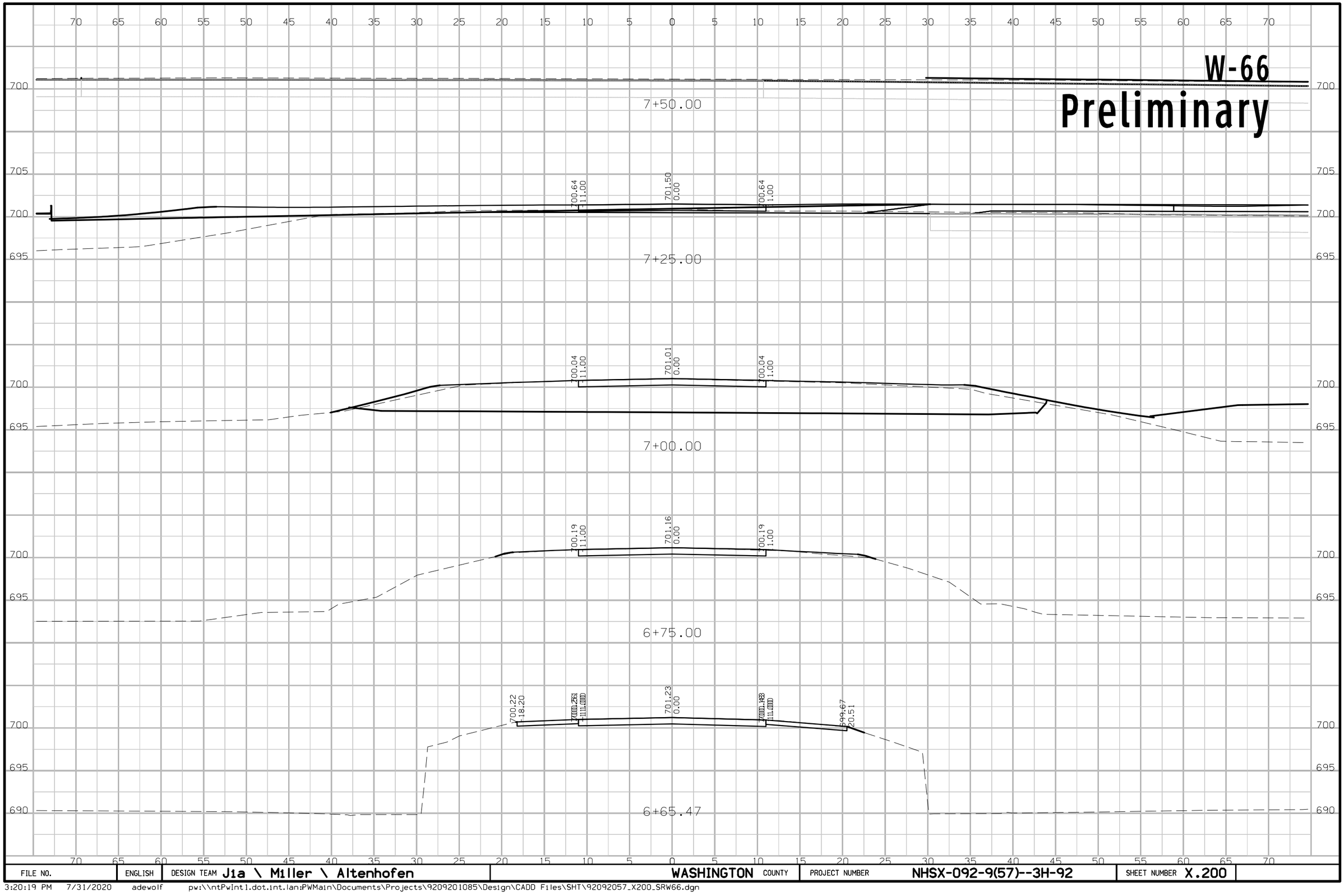


FILE NO.	ENGLISH	DESIGN TEAM J1a \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER X.101

3:20:10 PM 7/31/2020 adewolf pw:\\ntPwInt1.dot.int.lan:PWMain\Documents\Projects\9209201085\Design\CADD Files\SHT\92092057_X100_SRCountyLine.dgn

W-66

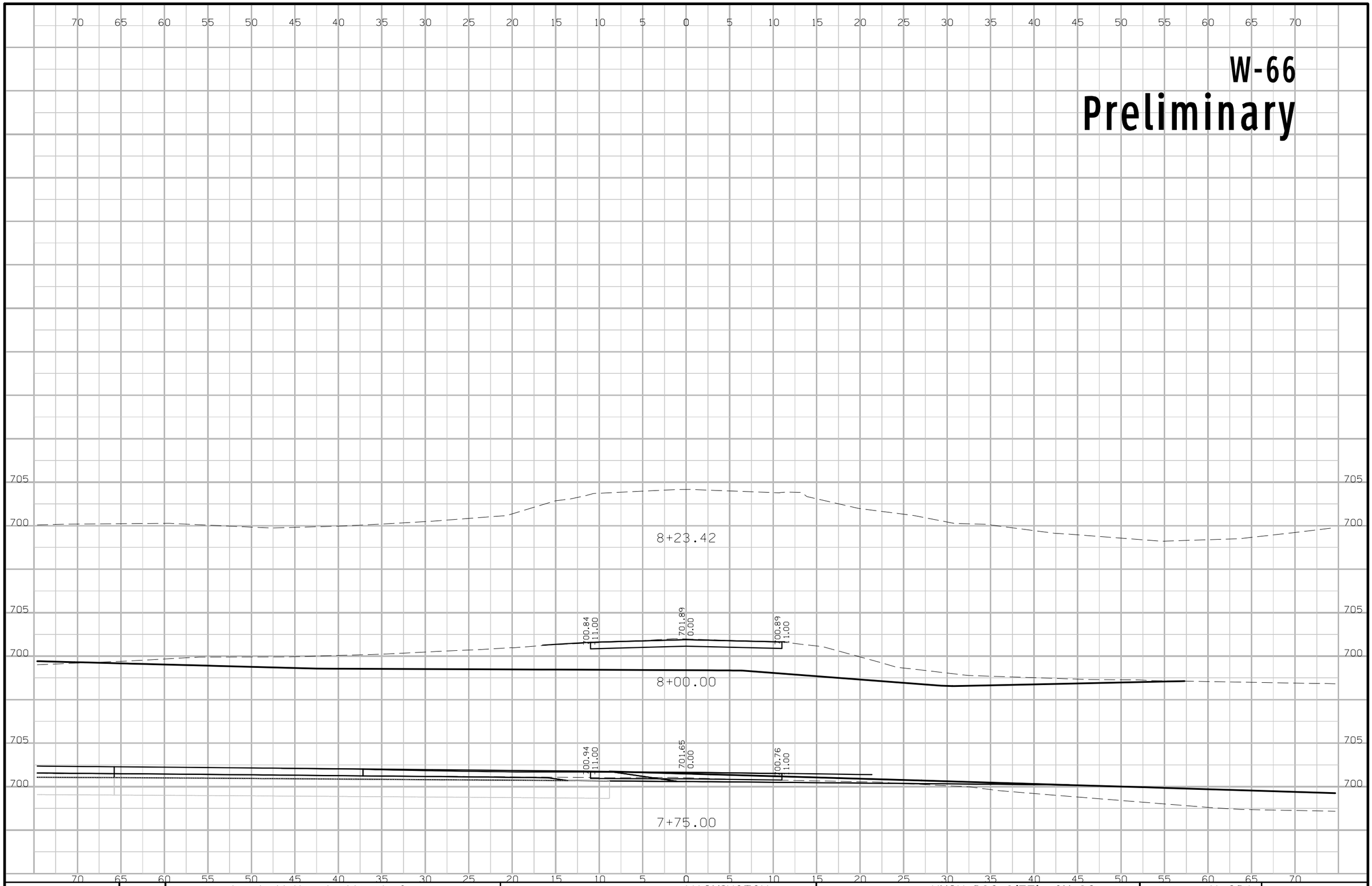
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER X.200

3:20:19 PM 7/31/2020 adewolf pw:\\ntPwInt1.dot.int.lan:PWMain\Documents\Projects\9209201085\Design\CADD Files\SHT\92092057_X200_SRW66.dgn

W-66
Preliminary

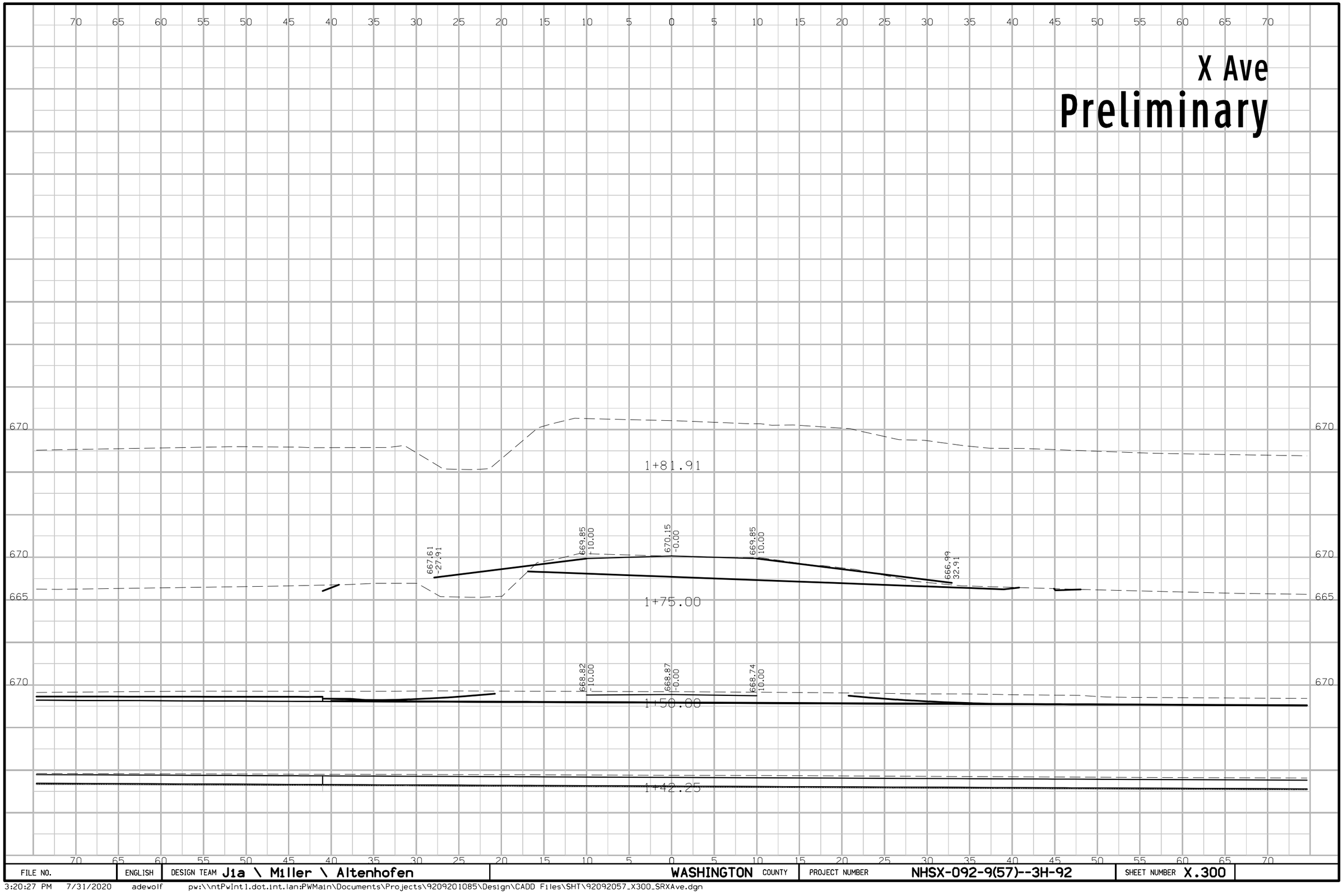


FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER X.201

3:20:19 PM 7/31/2020 adewolf pw:\\ntPwInt1.dot.int.lan:PWMain\Documents\Projects\9209201085\Design\CADD Files\SHT\92092057_X200_SRW66.dgn

X Ave

Preliminary



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER X.300

3:20:27 PM 7/31/2020 adewolf pw:\\ntPwInt1.dot.int.lan:PWMain\Documents\Projects\9209201085\Design\CADD Files\SHT\92092057_X300_SRXAve.dgn

W Ave

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

655
650
645
640
635

653.95
-12.00

654.31
-0.00

653.95
12.00

11+25.00

651.79
-15.42

652.93
-12.00

653.29
0.00

652.93
12.00

11+00.00

+69.00
Prop "C" Ent.

652.09
-10.68

652.51
-0.00

652.19
651.24
12.02

10+75.00

646.50
-47.39

647.43
-30.44

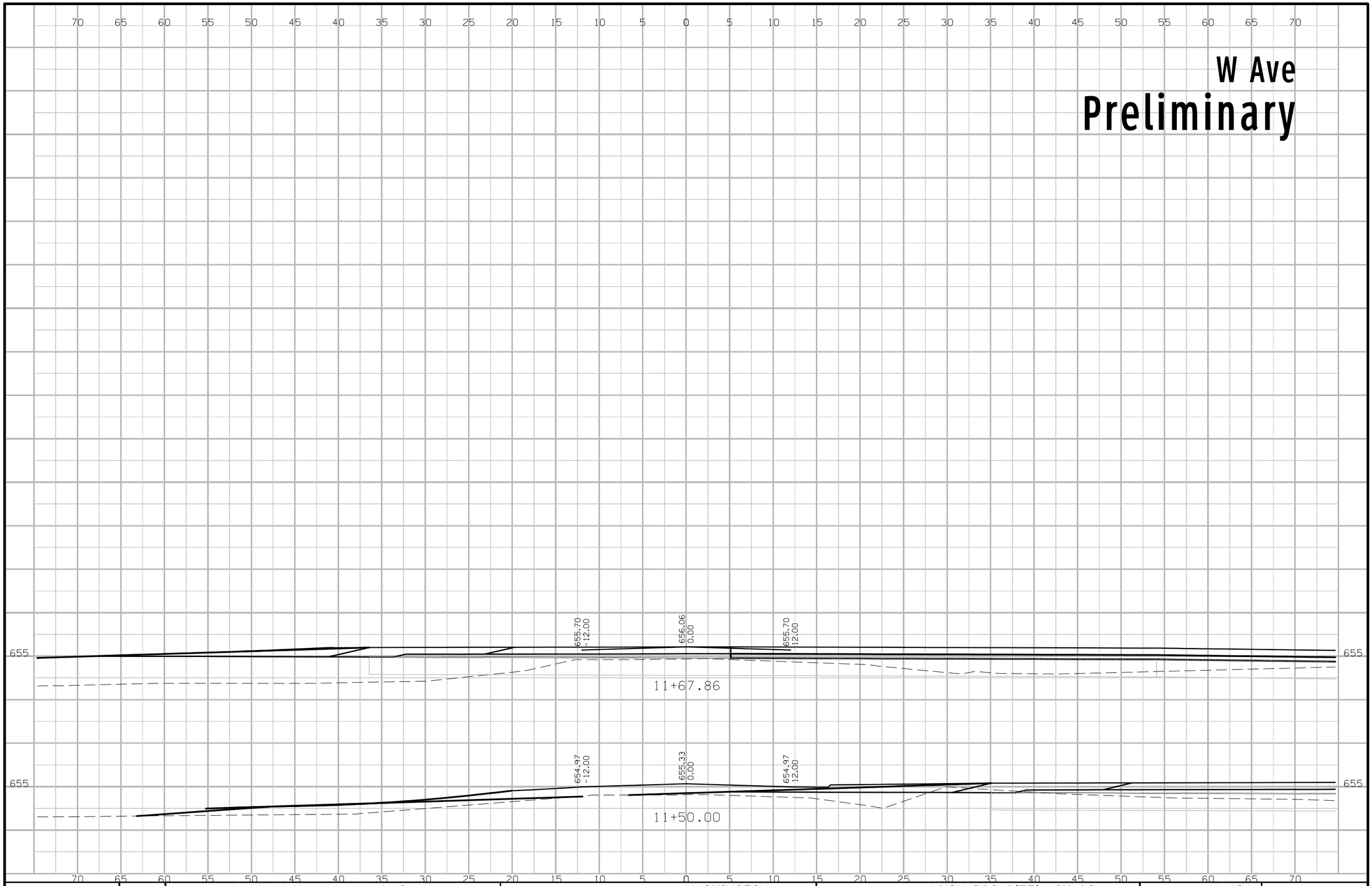
10+50.00

10+26.09

FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER X.400

3:20:35 PM 7/31/2020 adewolf pw:\\ntPwInt1.dot.int.lan:PWMain\Documents\Projects\9209201085\Design\CADD Files\SHT\92092057_X400_SRWAve.dgn

W Ave
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM J1a \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER X.401

3:20:36 PM 7/31/2020 adewolf pw:\\ntPwInt1.dot.int.lan:PWMain\Documents\Projects\9209201085\Design\CADD Files\SHT\92092057_X400_SRWAve.dgn

V Ave

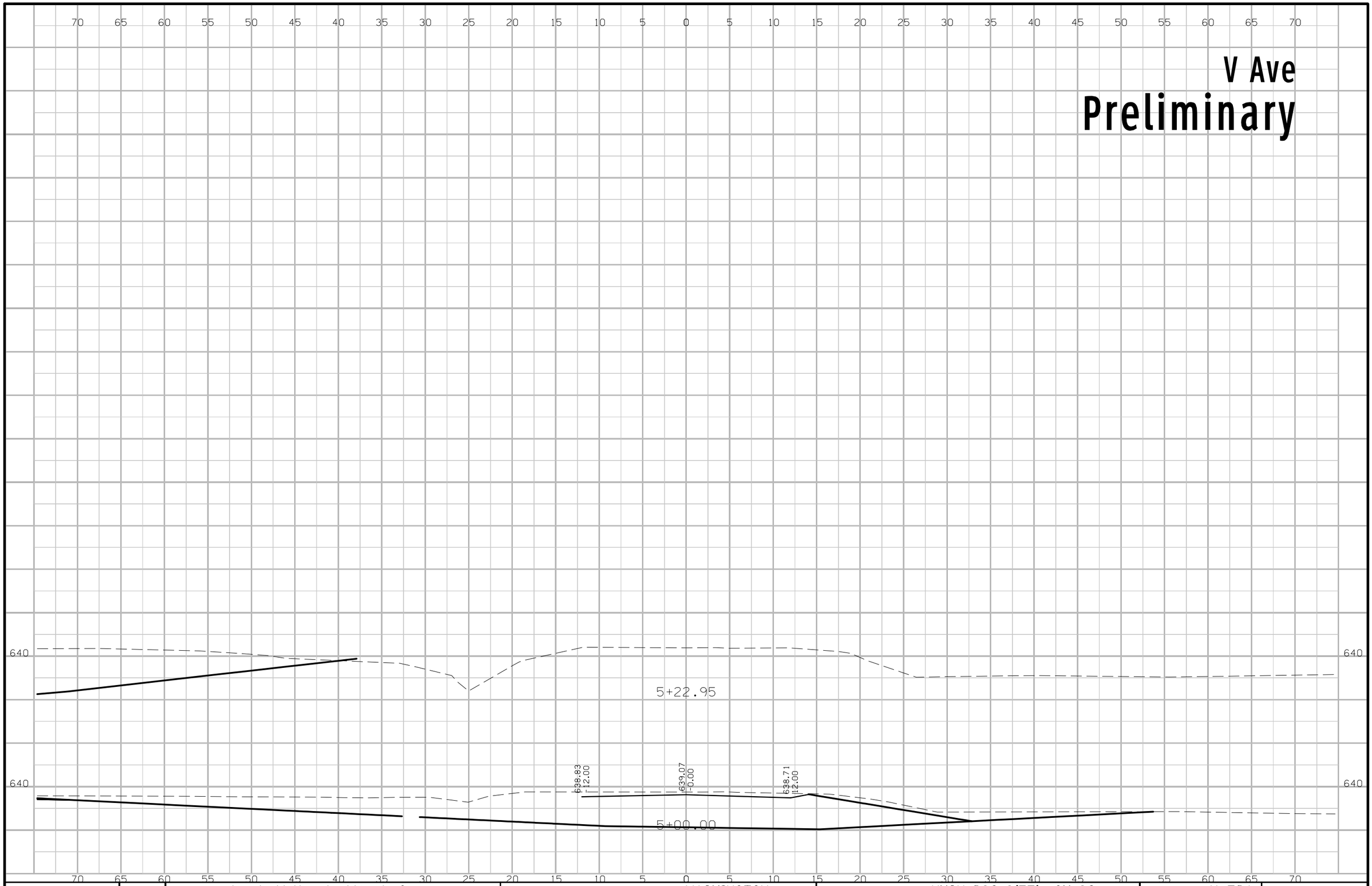
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER X.500

3:20:45 PM 7/31/2020 adewolf pw:\\ntPwInt1.dot.int.lan:PWMain\Documents\Projects\9209201085\Design\CADD Files\SHT\92092057_X500_SRVAve.dgn

V Ave
Preliminary

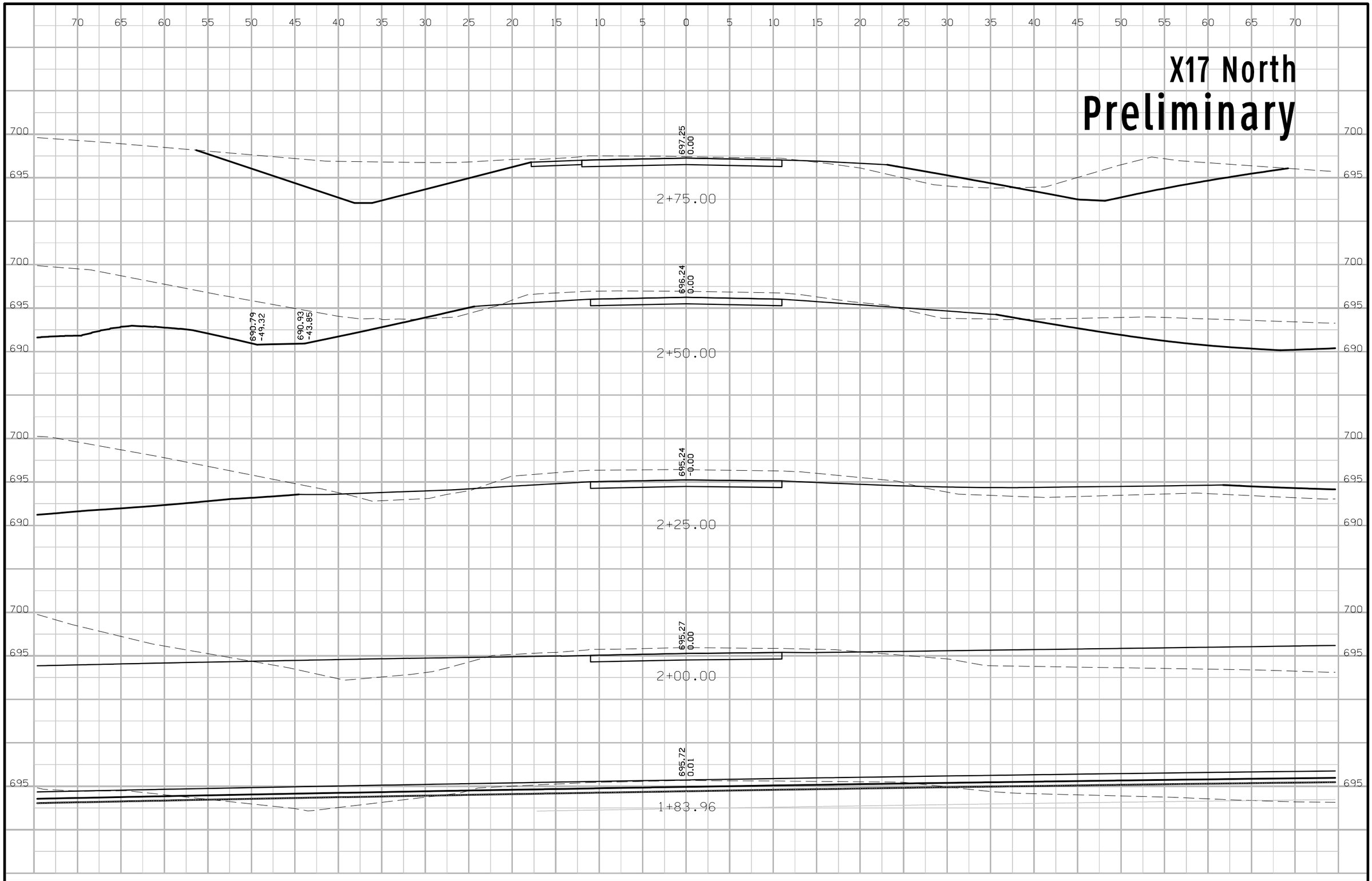


FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER X.501

3:20:46 PM 7/31/2020 adewolf pw:\\ntPwInt1.dot.int.lan:PWMain\Documents\Projects\9209201085\Design\CADD Files\SHT\92092057_X500_SRVAve.dgn

X17 North

Preliminary

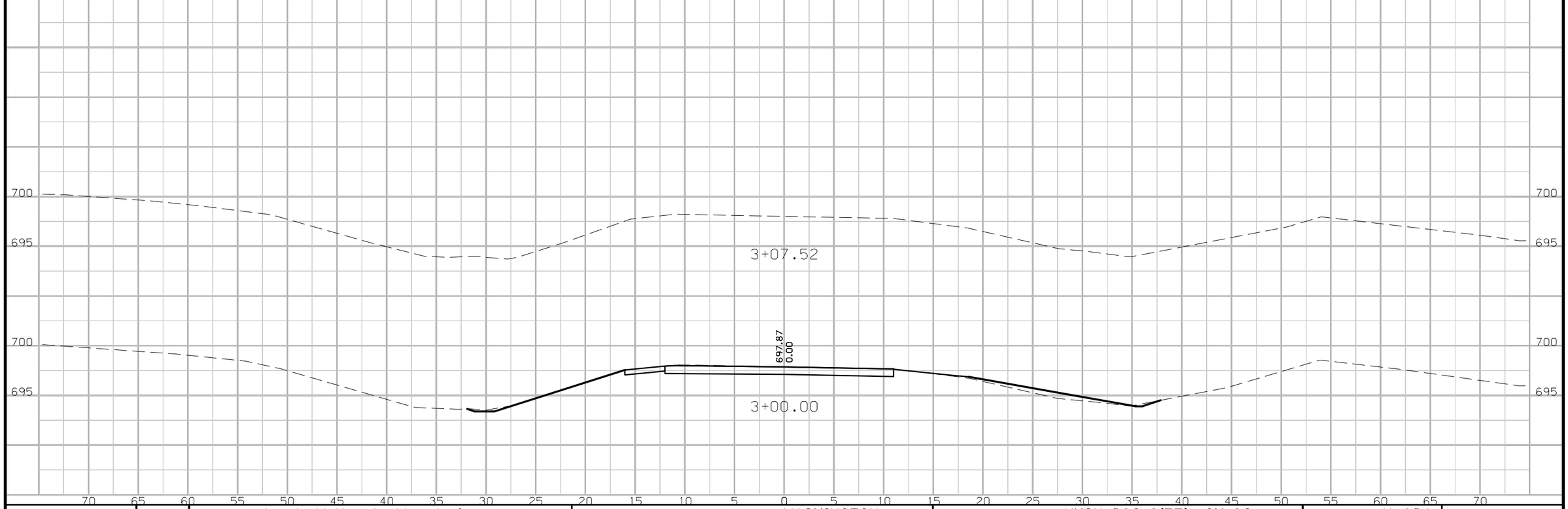


FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER X.600

3:20:56 PM 7/31/2020 adewolf pw:\\ntPwInt1.dot.int.lan:PWMain\Documents\Projects\9209201085\Design\CADD Files\SHT\92092057_X600_SRX17.dgn

X17 North

Preliminary



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER X.601

3:20:56 PM 7/31/2020 adewolf pw:\\ntPwInt1.dot.int.lan:PWMain\Documents\Projects\9209201085\Design\CADD Files\SHT\92092057_X600_SRX17.dgn

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

X17 South
Preliminary

7+14.74

7+00.00

695

695

6+75.00

6+50.00

6+25.00

6+05.99

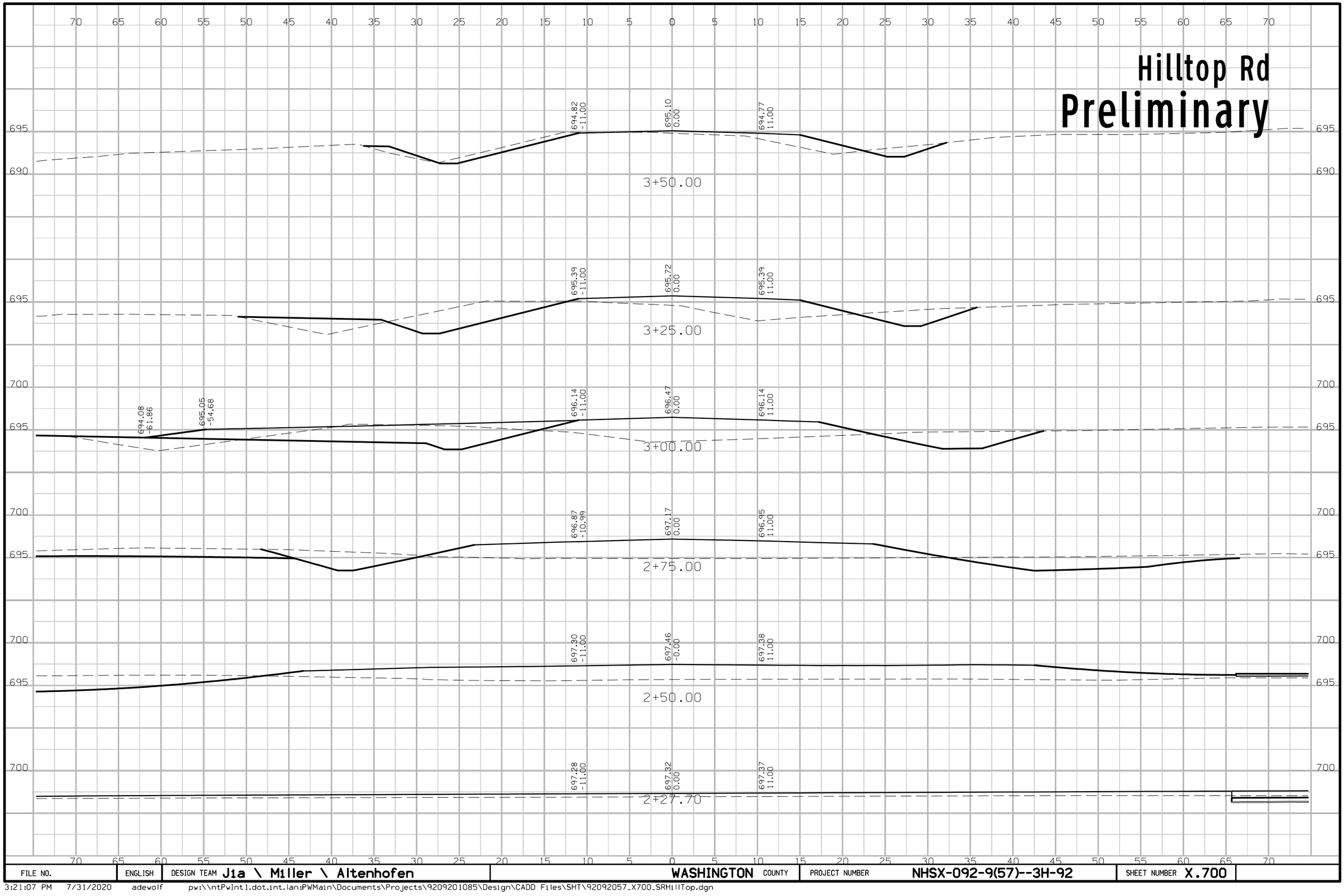
70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

FILE NO.	ENGLISH	DESIGN TEAM J1a \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER X.602

3:20:57 PM 7/31/2020 adewolf pw:\\ntPwInt1.dot.int.lan:PWMain\Documents\Projects\9209201085\Design\CADD Files\SHT\92092057_X600_SRX17.dgn

Hilltop Rd

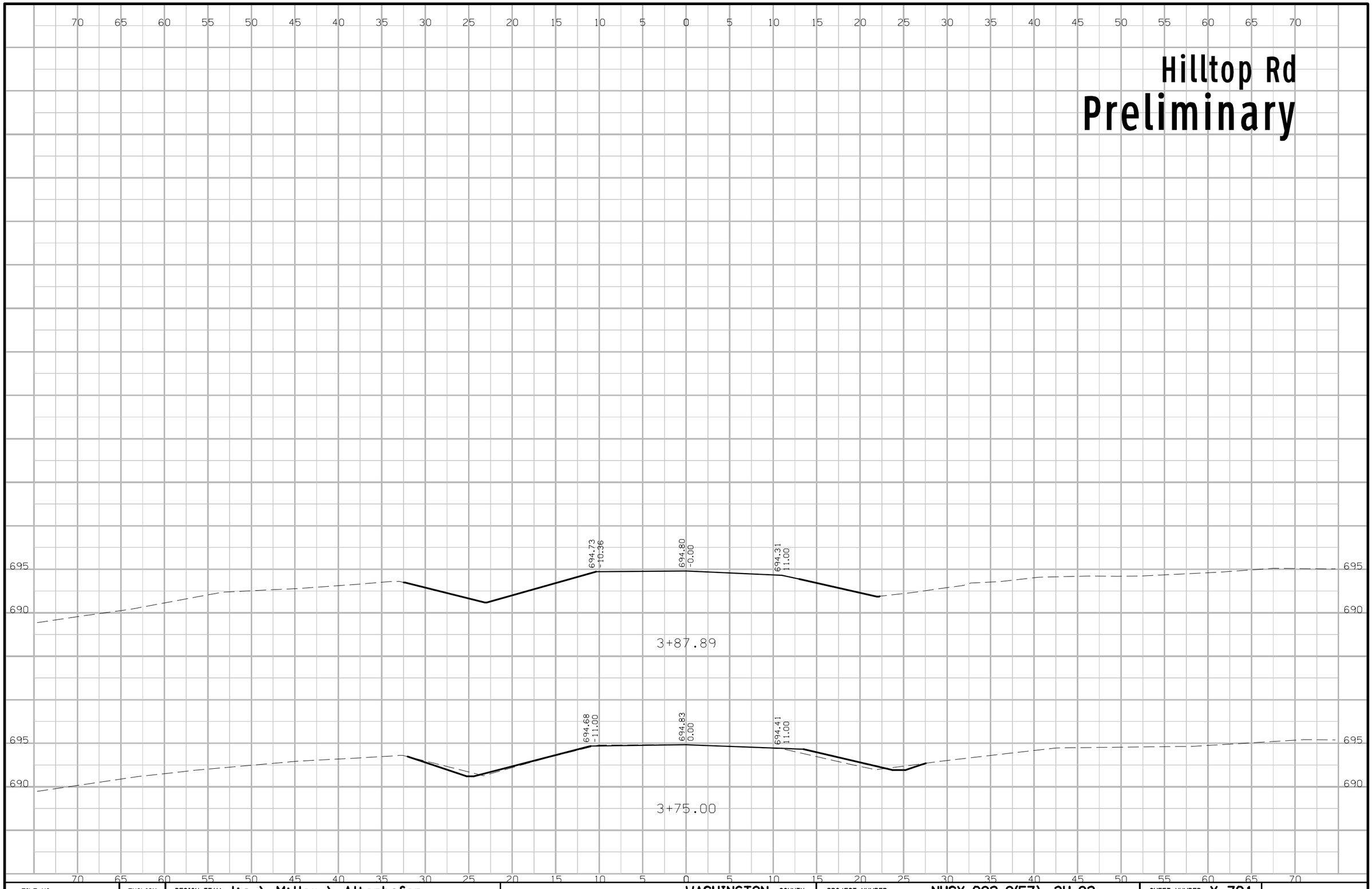
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER X.700

3:21:07 PM 7/31/2020 adewolf pw:\\ntPwInt1.dot.int.lan:PWMain\Documents\Projects\9209201085\Design\CADD Files\SHT\92092057_X700_SRHillTop.dgn

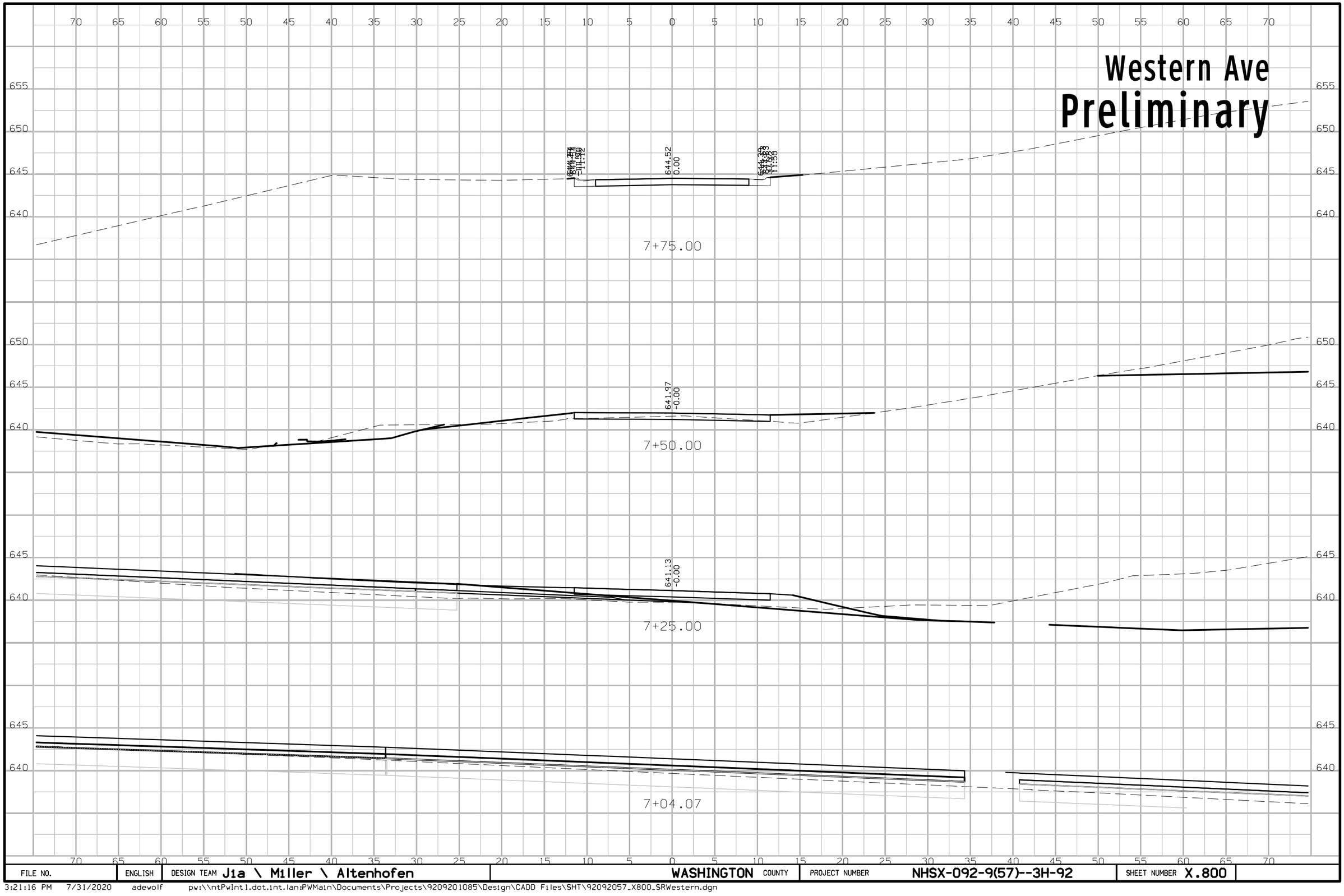
Hilltop Rd
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM J1a \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER X.701

3:21:08 PM 7/31/2020 adewolf pw:\\ntPwInt1.dot.int.lan:PWMain\Documents\Projects\9209201085\Design\CADD Files\SHT\92092057_X700_SRHillTop.dgn

Western Ave
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM J1a \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER X.800

3:21:16 PM 7/31/2020 adewolf pw:\\ntPwInt1.dot.int.lan:PWMain\Documents\Projects\9209201085\Design\CADD Files\SHT\92092057_X800_SRWestern.dgn

Western Access

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

590

588.96
-28.66

588.16
-23.46

588.16
-13.46

590.52
-14.00

590.60
-12.00

590.84
0.00

590.60
12.00

590.52
14.00

589.16
19.44

587.62
34.91

590.77
69.98

1+00.00

590

591.03
-11.99

591.27
0.01

591.13
12.01

0+75.00

590

Prop "C" Ent

0+67.62

595

590

591.53
-11.99

591.77
0.01

591.78
12.01

0+50.00

595

590

592.04
-11.99

592.27
0.01

592.43
12.01

0+25.00

595

590

592.18
-11.97

592.39
0.03

592.60
12.03

0+17.77

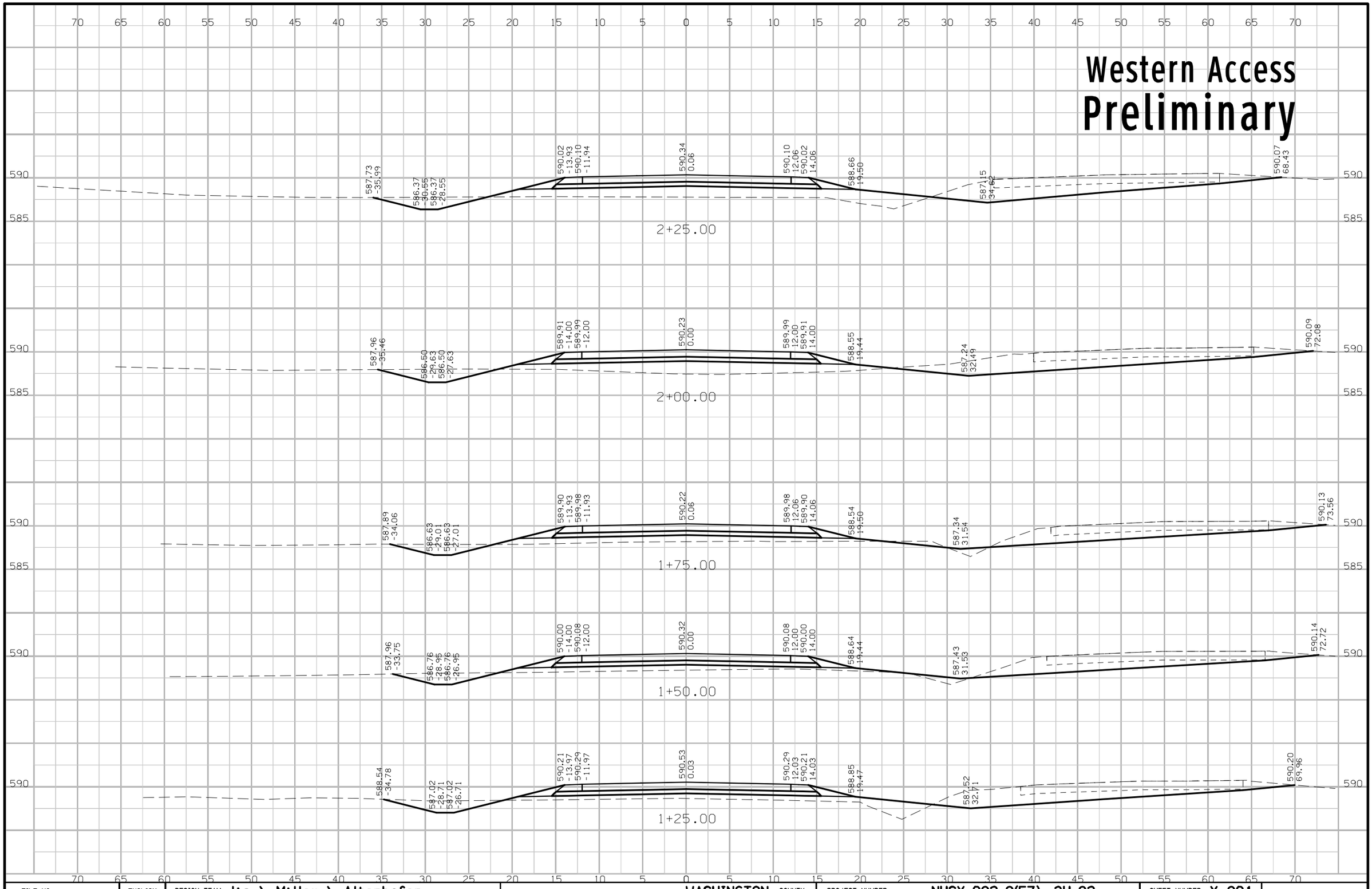
585

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 Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER X.900

3:21:30 PM 7/31/2020 adewolf pw:\\ntPwInt1.dot.int.lan:PWMain\Documents\Projects\9209201085\Design\CADD Files\SHT\92092057_X900_SRWesternAccess.dgn

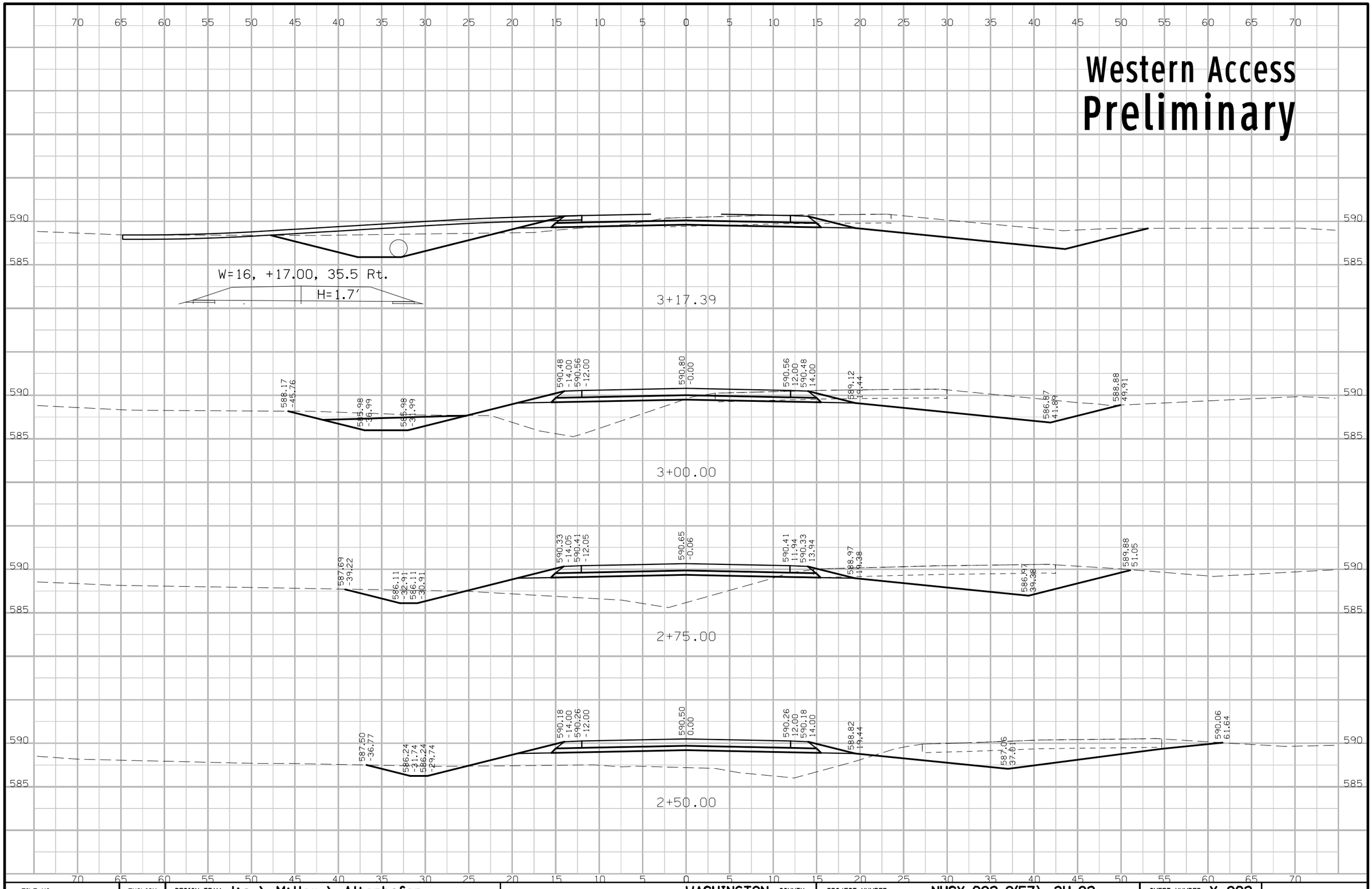
Western Access
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM J1a \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER X.901

3:21:31 PM 7/31/2020 adewolf pw:\\ntPwInt1.dot.int.lan:PWMain\Documents\Projects\9209201085\Design\CADD Files\SHT\92092057_X900_SRWesternAccess.dgn

Western Access
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER X.902

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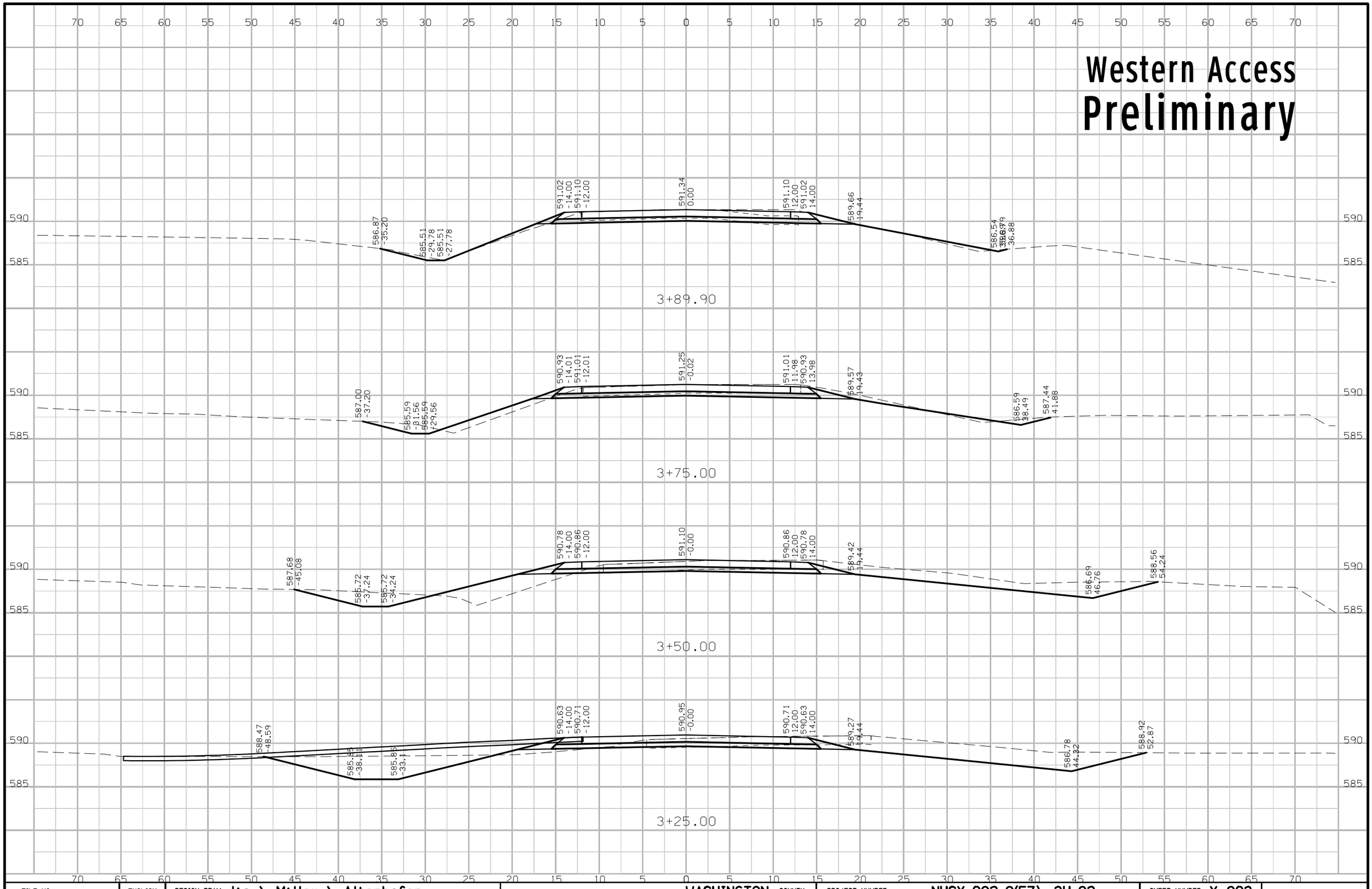
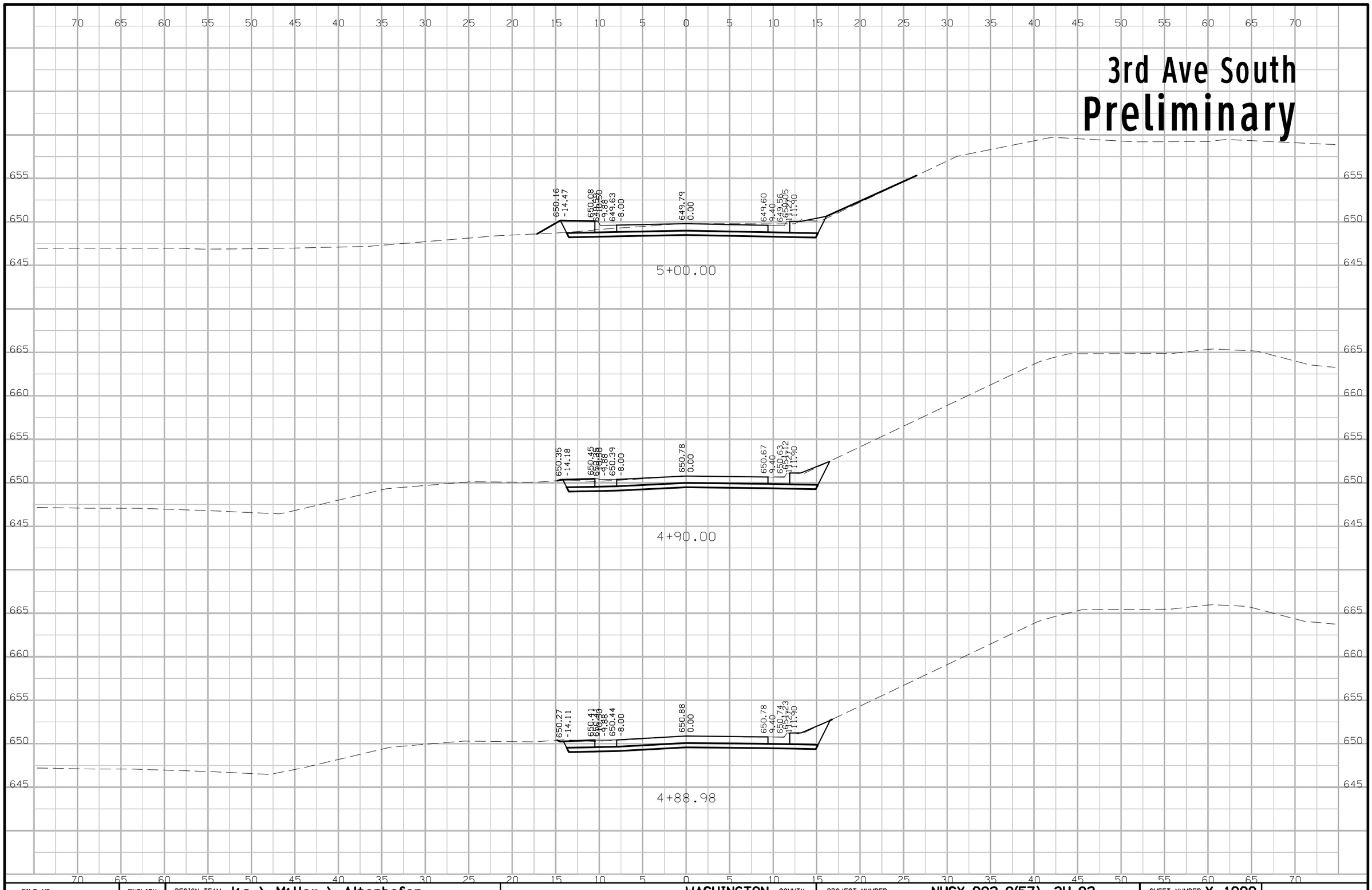
Western Access
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM J1a \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER X.903

3:21:32 PM 7/31/2020 adewolf pw:\\ntPwInt1.dot.int.lan:PWMain\Documents\Projects\9209201085\Design\CADD Files\SHT\92092057_X900_SRWesternAccess.dgn

3rd Ave South
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER X.1000

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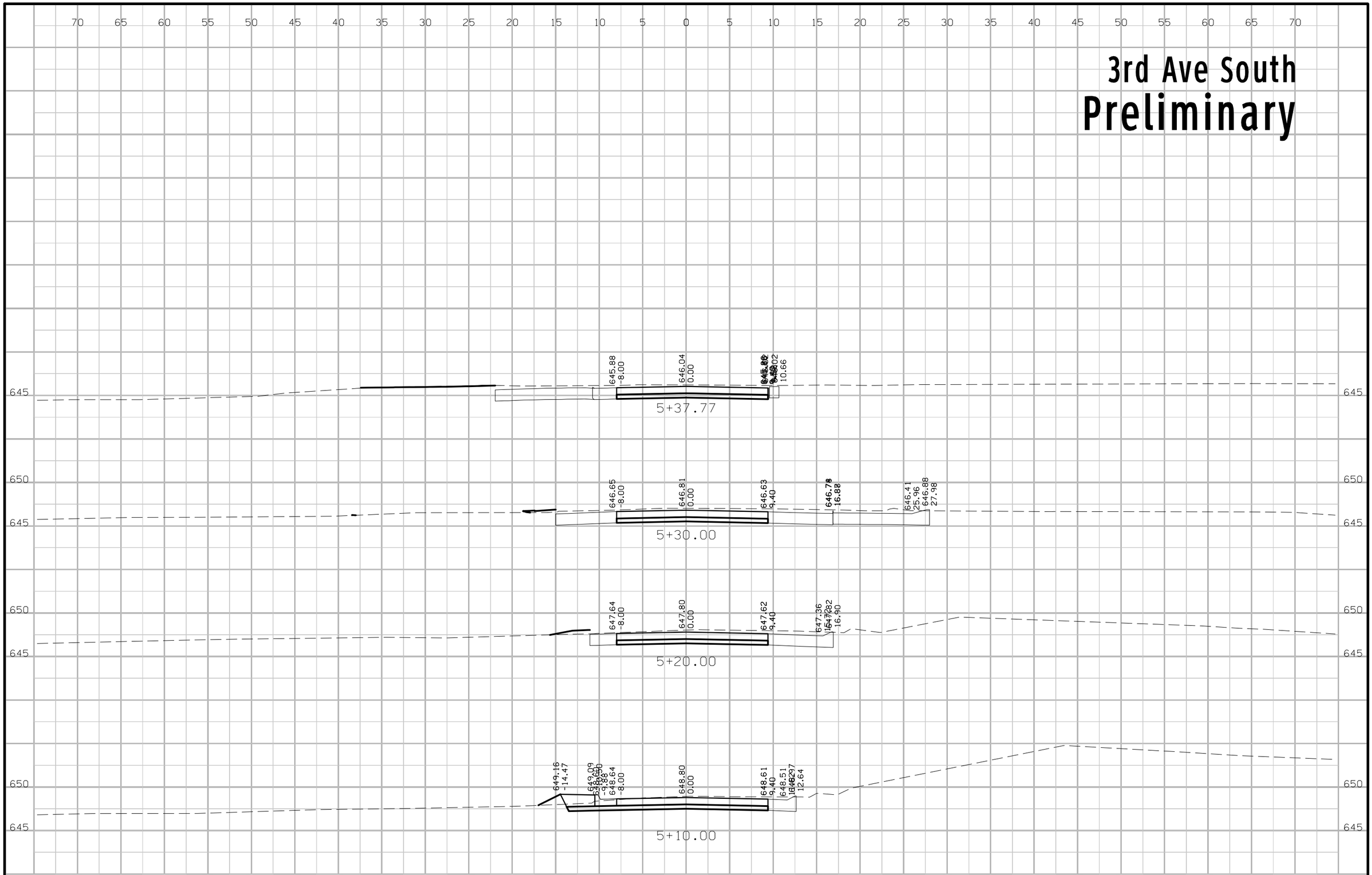
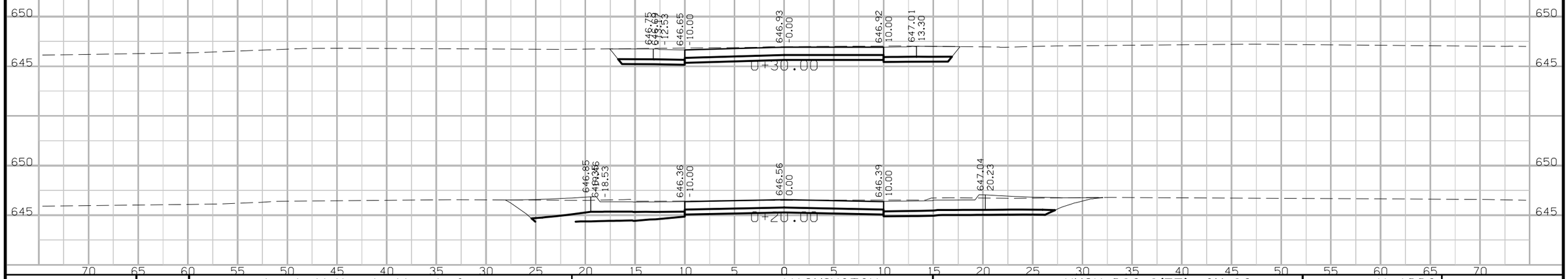


FILE NO.	ENGLISH	DESIGN TEAM Jia \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER X.1001

3:21:45 PM 7/31/2020 adewolf pw:\\ntPwInt1.dot.int.lan:PWMain\Documents\Projects\9209201085\Design\CADD Files\SHT\92092057_X1000_SR3RD.dgn

3rd Ave North
Preliminary



FILE NO.	ENGLISH	DESIGN TEAM J1a \ Miller \ Altenhofen	WASHINGTON COUNTY	PROJECT NUMBER NHSX-092-9(57)--3H-92	SHEET NUMBER X.1002

3:21:46 PM 7/31/2020 adewolf pw:\\ntPwInt1.dot.int.lan:PWMain\Documents\Projects\9209201085\Design\CADD Files\SHT\92092057_X1000_SR3RD.dgn