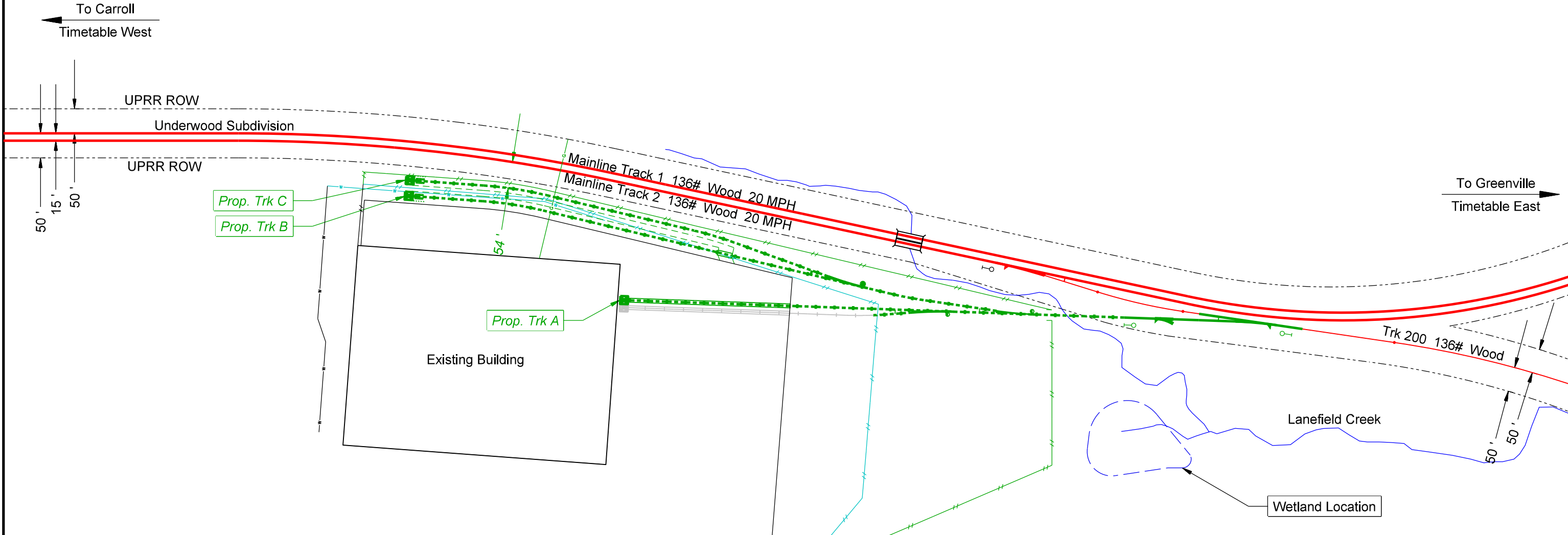


PROJECT NAME STATION, COUNTY, STATE UNDERWOOD SUB MP 8.09



Operating Plan - Manifest:
 UPRR Will Setout Inbound Cars on Track B
 UPRR Will Pick Up Outbound Cars From Track C
 Track A Will Be For Intraplant Switching

Track Lengths:
 Trk A = 1311'
 Trk B = 1287'
 Trk C = 943'



C:\or_tsb\es\k\Bentley\workspace\81\projects\UPRR_Track\UPRR_Track_V8\col\UPRR.tbl
 F:\2020\2501-3000\020-2954\40-Design\microstation\020-2954_RLTK\pemt\020-2954_RLTK.tbl
 F:\2020\2501-3000\020-2954\10-Exchange\ou\ro\UPRR\Design\Files\30%_Sample_Plan_2D_PRINT_FILE.dgn
 Default
 4/10/2023

REV. #	BY	DATE	DESCRIPTION

Ex. UPRR Track	Shift Ind. Track	Hand Throw Turnout
Prop. UPRR Track	Future Ind. Track	Power Turnout
Remove UPRR Track	Prop. Leased Ind. Trk	Power Derail
Shift UPRR Track	Ex. Leased Ind. Trk	Hand Throw Derail
Ex. Ind. Track	No RR Operations	Point of Curve
Prop. Ind. Track	Right of Way	Bridge
Remove Ind. Track	Acquire Property	Signal



FES #:	12345	DOCUMENT TYPE:	30% Design
DRAWN BY:		UNION PACIFIC RAILROAD For use in Agreement with: Industry Name	
CHECKED BY:		LOCATION & DESCRIPTION: Station, County, State - Underwood Sub MP 8.09	
DATE:	4/10/2023	SHEET TITLE: Overview	
SHEET NUMBER:	001 of 009		

INDUSTRY NAME - FES# 12345

EXEMPTION TABLE

#	Drawing Type	Category	Standard Drawing #	Description of Exemption	Reason for Exemption	Sheet #	Track	STA
1	30%	Other	None	None	None	None	None	None
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								

Notes:

a)

b)

c)

d)

C:\or... \Bentley\WorkSpace\81\projects\Clients\UPRR_Track\UPRR_Track_V8\Color\UPRR.tbl
 F:\2020\2501-3000\020-2954\40-Design\Microstation\020-2954-RLTK\perm\table\020-2954-RLTK.tbl
 F:\2020\2501-3000\020-2954\10-Exchange\out\to UPRR\Design Files\30% Sample Plan 2D PRINT FILE.dgn
 Default
 4/10/2023

REV. #	BY	DATE	DESCRIPTION

Ex. UPRR Track	Shift Ind. Track	Hand Throw Turnout
Prop. UPRR Track	Future Ind. Track	Power Turnout
Remove UPRR Track	Prop. Leased Ind. Trk	Power Derail
Shift UPRR Track	Ex. Leased Ind. Trk	Hand Throw Derail
Ex. Ind. Track	No RR Operations	Point of Curve
Prop. Ind. Track	Other Ind. Track	Bridge
Remove Ind. Track	Right of Way	Signal



FES #:	12345	DOCUMENT TYPE:	30% Design
DRAWN BY:		UNION PACIFIC RAILROAD	For use in Agreement with: Industry Name
CHECKED BY:		LOCATION & DESCRIPTION:	
DATE:	4/10/2023	Station, County, State - Underwood Sub MP 8.09	
SHEET NUMBER:	002 of 009	SHEET TITLE: Exemption Table	

INDUSTRY NAME - FES# 12345

SCOPE OF WORK MATRIX

#	Item/Task	Detailed Description/Comments	Industry			Union Pacific Railroad			QTY	EST	U/M	MFG	Drawing #	Track	Station(s)
			Supplied	Assemble	Install	Supply	Assemble	Install							
1	Rail and Ties	New, 136# CWR, Wood Ties, & OTM	X				X	X	192		TF		004	A	1+07.25-2+99.01
2	Ballast	New, Class I	X					X	290		CY		004	A	0+00.00-2+99.01
3	Turnout - No. 9 LH POTO	New, 136#, Wood, RBM Frog (Wood Dap Ties)	X				X	X	1		EACH		004	200	19+76.00
4	Construct Buffer Track Panel	New, 136# CWR, 10' Wood Ties, Premium Fastners	X				X	X	65		TF		004	200	19+11.00-19+76.00
5	Construct Buffer Track Panel	New, 136# CWR, 8.5' Wood Ties, Premium Fastners	X				X	X	40		TF		004	200	20+83.80-21+23.80
6	Transition Rails	New, 136# New/136# Worn	X				X	X	2		PAIR		004	200	19+36.00 & 21+23.80
7	Derail - RH PO	New, 136#, Type 2 DSPD Derail (Wood Dap Ties)	X				X	X	1		EACH		004	A	2+37.01
8	Insulated Joints	New	X				X	X	1		PAIR		004	A	2+99.01
9	Insulated Joints	New	X				X	X	2		PAIR		004	200	TBD
10	Walkway Ballast	New	X					X	150		CY		004	200 A	18+51.00-20+83.38 0+00.00-2+32.00
11	Weld Kits	New	X				X	X	As needed		EACH				
12	Track Removal	New						X	188		TF		004	200	19+36.00-21+23.80
13	Rail and Ties	115# JT, Wood Ties, & OTM	X	X	X				2605		TF		004 & 005	A B C	2+99.01-13+27.38 1+07.25-12+87.86 1+07.25-9+43.22
14	Rail and Ties	115# CWR, Wood Ties, & OTM	X	X	X				188		TF		004	A B C	2+99.01-13+27.38 1+07.25-12+87.86 1+07.25-9+43.22
15	Ballast		X		X				1900		CY		004 & 005	A	0+00.00-2+99.01
16	Turnout - No. 9 RH HTTO	136#, Wood, SMSG Frog (36-EH Switch Stand), 17' Wood Straight Headblock Tie	X	X	X				1		EACH		004	A	4+86.92
17	Turnout - No. 9 LH HTTO	136#, Wood, SMSG Frog (36-EH Switch Stand), 17' Wood Straight Headblock Tie	X	X	X				1		EACH		004	A	6+58.76
18	Turnout - No. 9 RH HTTO	136#, Wood, SMSG Frog (36-EH Switch Stand), 17' Wood Straight Headblock Tie	X	X	X				1		EACH		004	B	3+51.26
19	Walkway Ballast		X		X				450		CY		004	A B C D	\$+36.92-8+11.05 0+00.00-1+47.01 3+01.26-4+98.43 0+00.00-1+47.01 0+00.00-1+47.01
20	Transition Rails	136#/115#	X	X	X				1		PAIR		004	A	3+00.00
21	Insulated Joints	End of Signal Circuit	X	X	X				1		PAIR		004	A	4+76.90
22	Rail Crossing	9W Concrete Crossing Panels, Warning Signs/Lights per Diagnostic	X	X	X				32		TF		005	B	6+39.84
23	EOT Device	Earthen Bumper	X	X	X				3		EACH		005	A B C	13+27.38 12+87.86 9+43.22
24	Signs	End of Track Maintenance Sign	X	X	X				1		EACH		004	A	2+99.01
25	End of Track Sign	End of Track Sign Per Standard 0513	X	X	X				1		EACH		004	B C	12+82.86 9+38.22
26	Turnout Pad	65' x 308'	X	X	X				1		EACH		004	200	18+76.00-20+84.00
27	Culvert Installation	36" x 40' CMP Culvert	X	X	X				40		LF		004	A	4+11.53
28	Commercial Power	Industry to Provide Access, UPRR to Assume Consumption Charges	X	X	X				1		EACH				

NOTE	NOTE DESCRIPTION
a	UPRR will retain all wanted material and industry will be responsible for removal and disposal of any remaining
b	All material that will be owned, installed, or maintained by UPRR will be new and invoices supplied to the railroad
c	Industry to provide joint bars and bolts for temporary use during UPRR installation
d	Industry to provide field welds for UPRR installation

C:\or_tables\Bentley\workspace\81\projects\UPRR_Track\UPRR_Track_V8\color\UPRR.tbl
 F:\2020\2501-3000\020-2954\40-Design\Microstation\020-2954-RL\TK\pen.tbl
 F:\2020\2501-3000\020-2954\10-Exchange\out\to UPRR\Design Files\30% Sample Plan 2D PRINT FILE.dgn
 Default
 4/10/2023

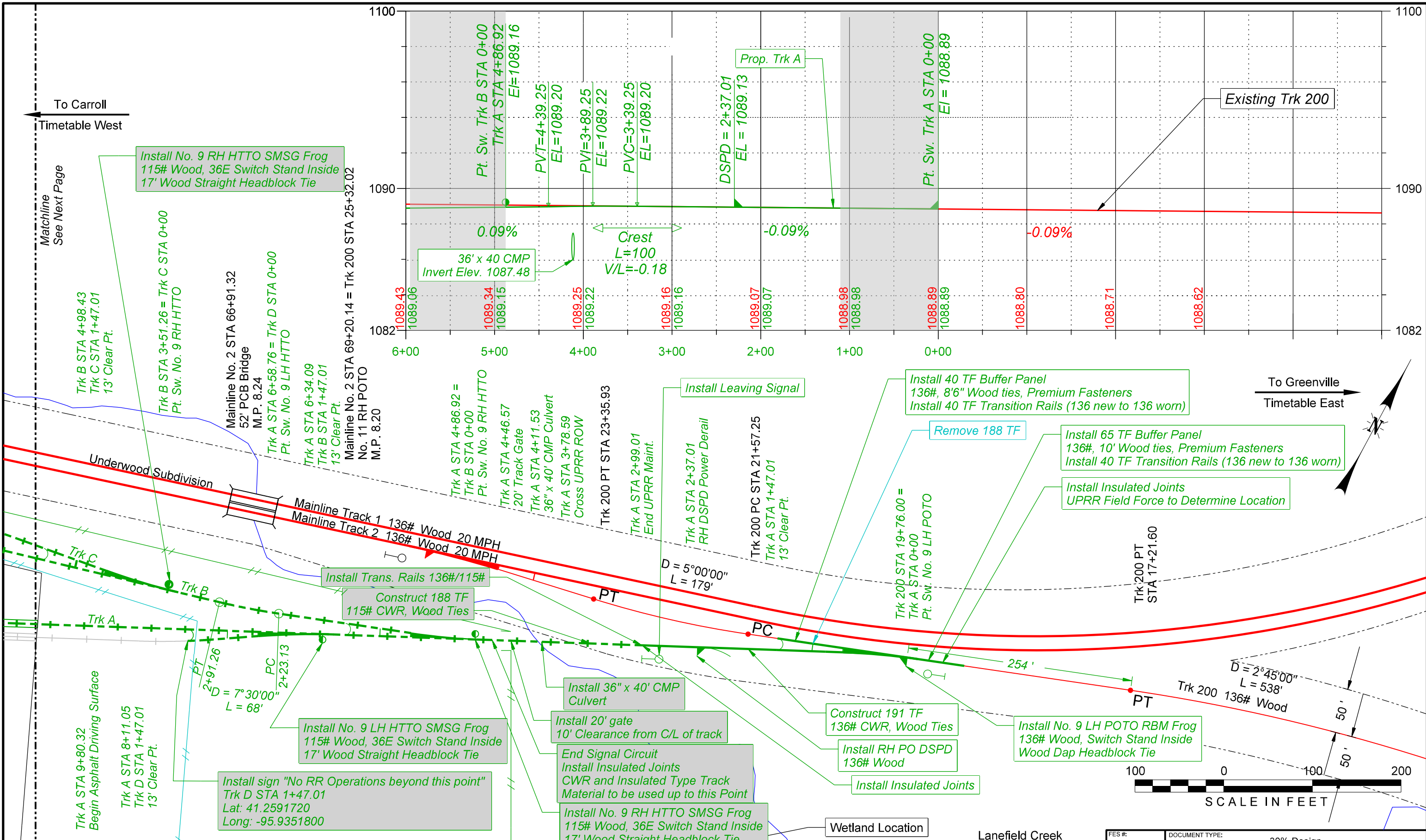
REV. #	BY	DATE	DESCRIPTION

Ex. UPRR Track	Shift Ind. Track	Hand Throw Turnout
Prop. UPRR Track	Future Ind. Track	Power Turnout
Remove UPRR Track	Prop. Leased Ind. Trk	Power Derail
Shift UPRR Track	Ex. Leased Ind. Trk	Hand Throw Derail
Ex. Ind. Track	No RR Operations	Point of Curve
Prop. Ind. Track	Other Ind. Track	Bridge
Remove Ind. Track	Right of Way	Signal



FES #:	12345	DOCUMENT TYPE:	30% Design
DRAWN BY:		UNION PACIFIC RAILROAD For use in Agreement with: Industry Name	
CHECKED BY:		LOCATION & DESCRIPTION: Station, County, State - Underwood Sub MP 8.09	
DATE:	4/10/2023	SHEET TITLE: Scope of Work Matrix	
SHEET NUMBER:	003 of 009		

C:\p\... \Bentley\WorkSpace\81\Projects\UPRR_Track\UPRR_Track_V8\Color\UPRR.tbl
 C:\2020\2501-3000\020-2954\40-Design\Microstation\020-2954-RLTK\pen.tbl
 C:\2020\2501-3000\020-2954\10-Exchange\OU\10-UPRR\Design\Files\307_Sample_Plan_2D_PRINT_FILE.dgn
 Defaulc
 4/10/2023



REV. #	BY	DATE	DESCRIPTION

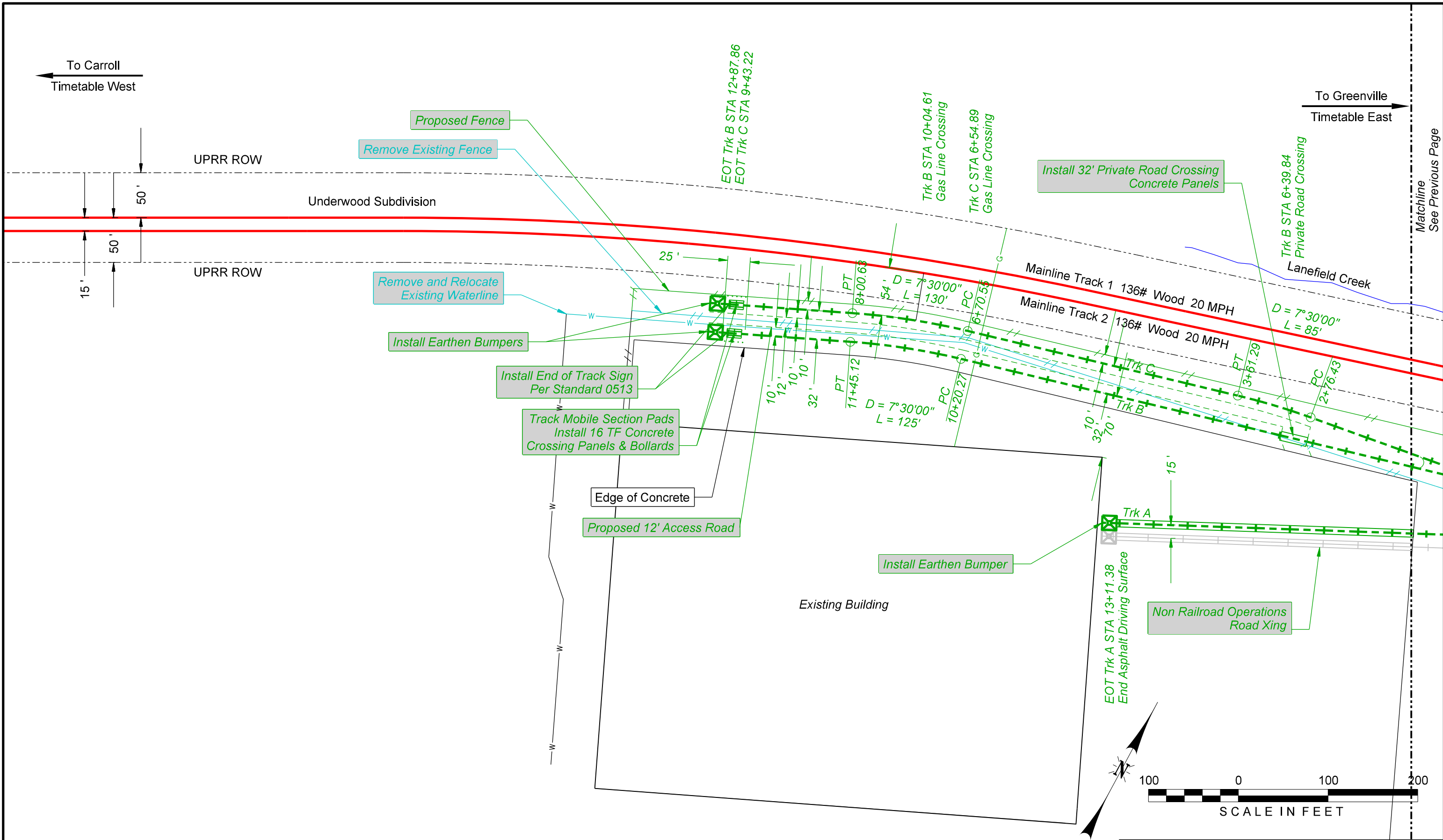
Ex. UPRR Track	Shift Ind. Track	Hand Throw Turnout
Prop. UPRR Track	Future Ind. Track	Power Turnout
Remove UPRR Track	Prop. Leased Ind. Trk	Power Derail
Shift UPRR Track	Ex. Leased Ind. Trk	Hand Throw Derail
Ex. Ind. Track	No RR Operations	Point of Curve
Prop. Ind. Track	Right of Way	Bridge
Remove Ind. Track	Acquire Property	Signal

RE RAILROAD ENGINEERS, INC.
OMAHA, NEBRASKA

FES #:	12345	DOCUMENT TYPE:	30% Design
DRAWN BY:		UNION PACIFIC RAILROAD For use in Agreement with: Industry Name	
CHECKED BY:		LOCATION & DESCRIPTION: Station, County, State - Underwood Sub MP 8.09	
DATE:	4/10/2023	SHEET TITLE: Plan and Profile View Trk A	
SHEET NUMBER:	004 of 009		



C:\p\tbl\K:\Bentley\workspace\81\projects\UPRR_Track\UPRR_Track_V8\col\UPRR.tbl
 F:\2020\2501-3000\020-2954\40-Design\Microstation\020-2954_RLTK\p\table\020-2954_RLTK.tbl
 F:\2020\2501-3000\020-2954\10-Exchange\0u\1\ro\UPRR\Design\Files\30%_Sample_Plan_2D_PRINT_FILE.dgn
 Default
 4/10/2023



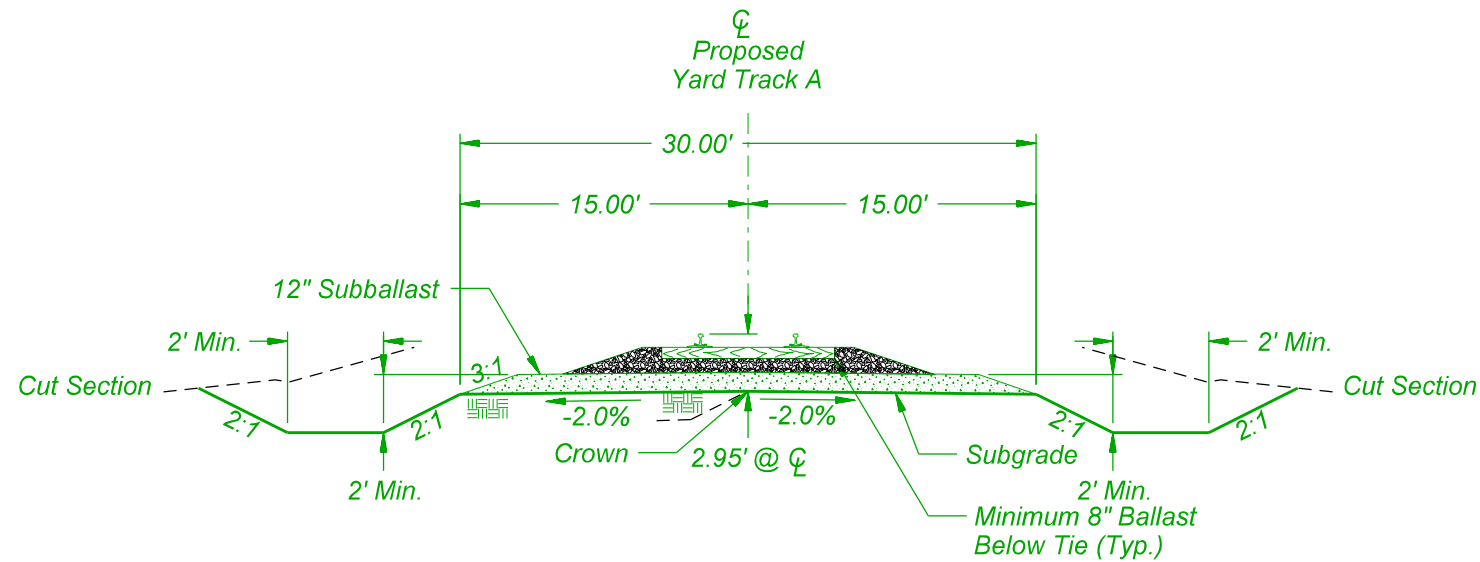
REV. #	BY	DATE	DESCRIPTION

	Ex. UPRR Track		Shift Ind. Track		Hand Throw Turnout
	Prop. UPRR Track		Future Ind. Track		Power Turnout
	Remove UPRR Track		Prop. Leased Ind. Trk		Power Derail
	Shift UPRR Track		Ex. Leased Ind. Trk		Hand Throw Derail
	Ex. Ind. Track		No RR Operations		Point of Curve
	Prop. Ind. Track		Right of Way		Bridge
	Remove Ind. Track		Acquire Property		Signal

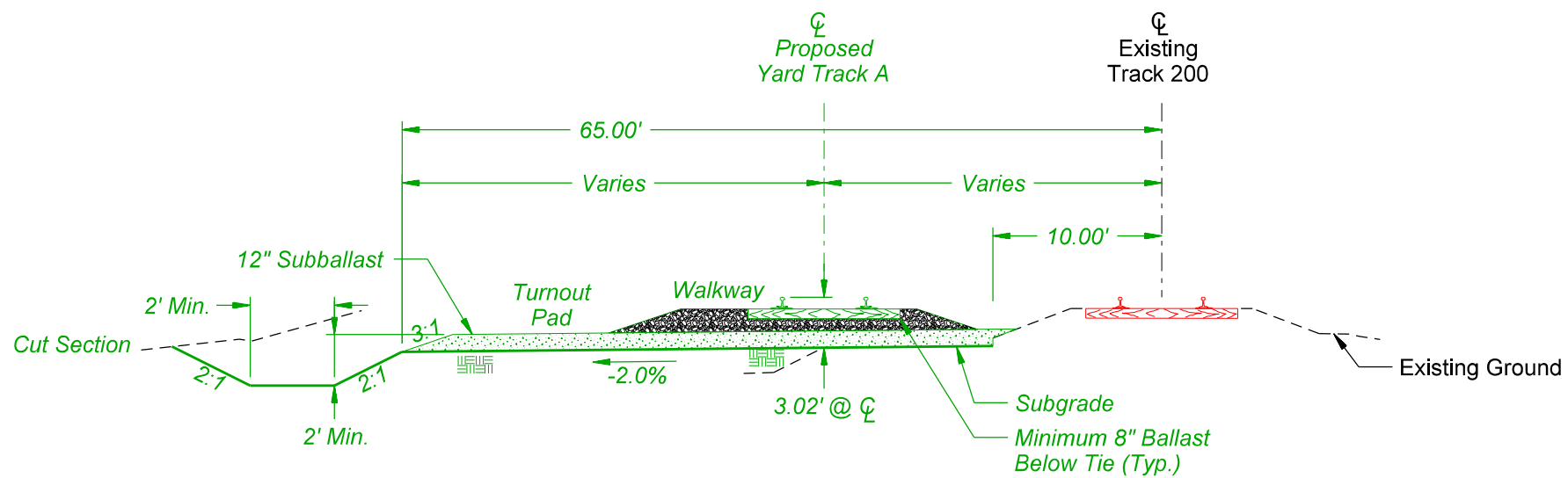


FES #:	12345	DOCUMENT TYPE:	30% Design
DRAWN BY:		UNION PACIFIC RAILROAD For use in Agreement with: Industry Name	
CHECKED BY:		LOCATION & DESCRIPTION: Station, County, State - Underwood Sub MP 8.09	
DATE:	4/10/2023	SHEET TITLE: Plan View	
SHEET NUMBER:	005 of 009		

Matchline
 See Previous Page



TYPICAL SECTION
Sta. 3+00.00 to Sta. 6+00.00 (Trk. A)



TYPICAL SECTION
Sta. 0+00.00 to Sta. 3+00.00 (Trk. A)

C:\or... \Bentley\WorkSpace\81\projects\UPRR_Track\UPRR_Track_V8\col\UPRR.tbl
 F:\2020\2501-3000\020-2954\40-Design\Microstation\020-2954-RLTK\pmtable\020-2954-RLTK.tbl
 F:\2020\2501-3000\020-2954\10-Exchange\out\to UPRR\Design Files\30%_Sample Plan 2D PRINT FILE.dgn
 Default
 4/10/2023

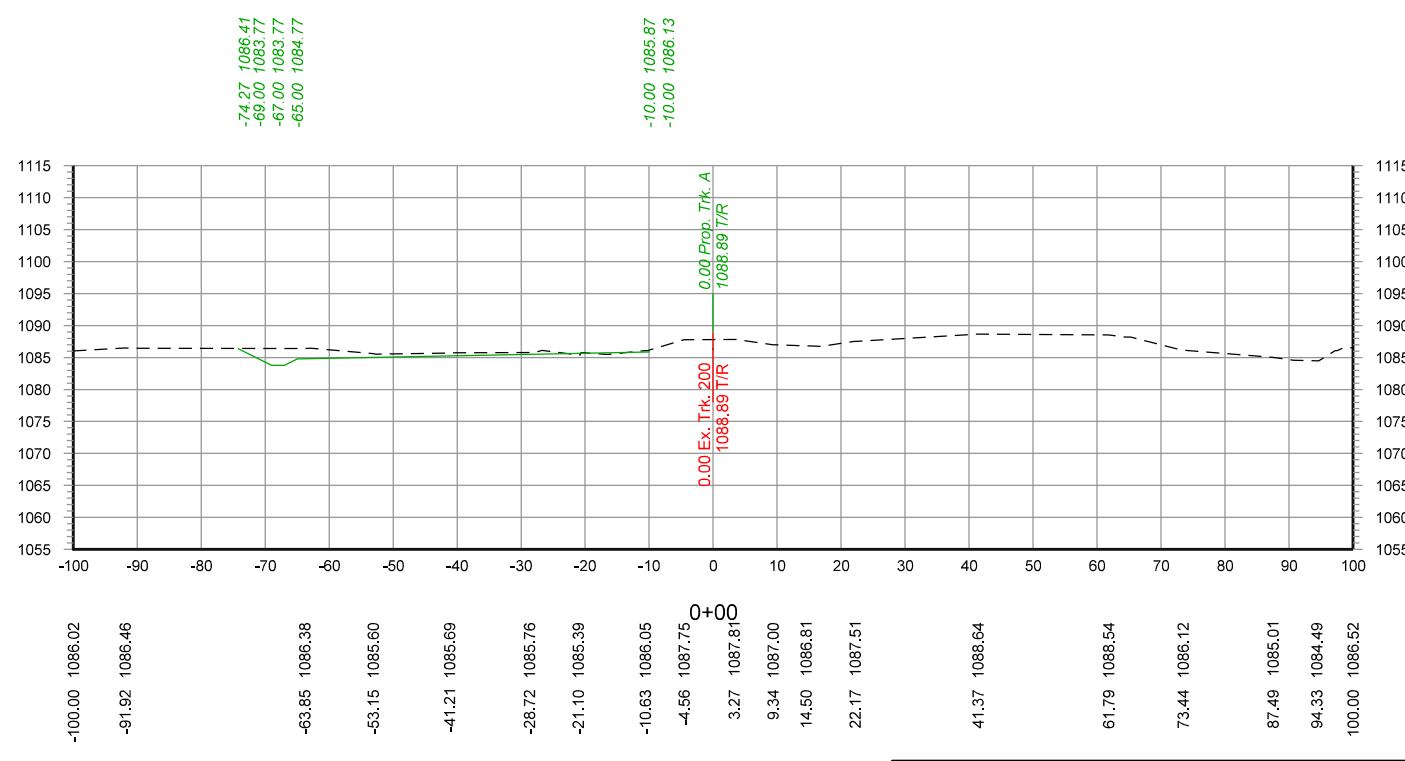
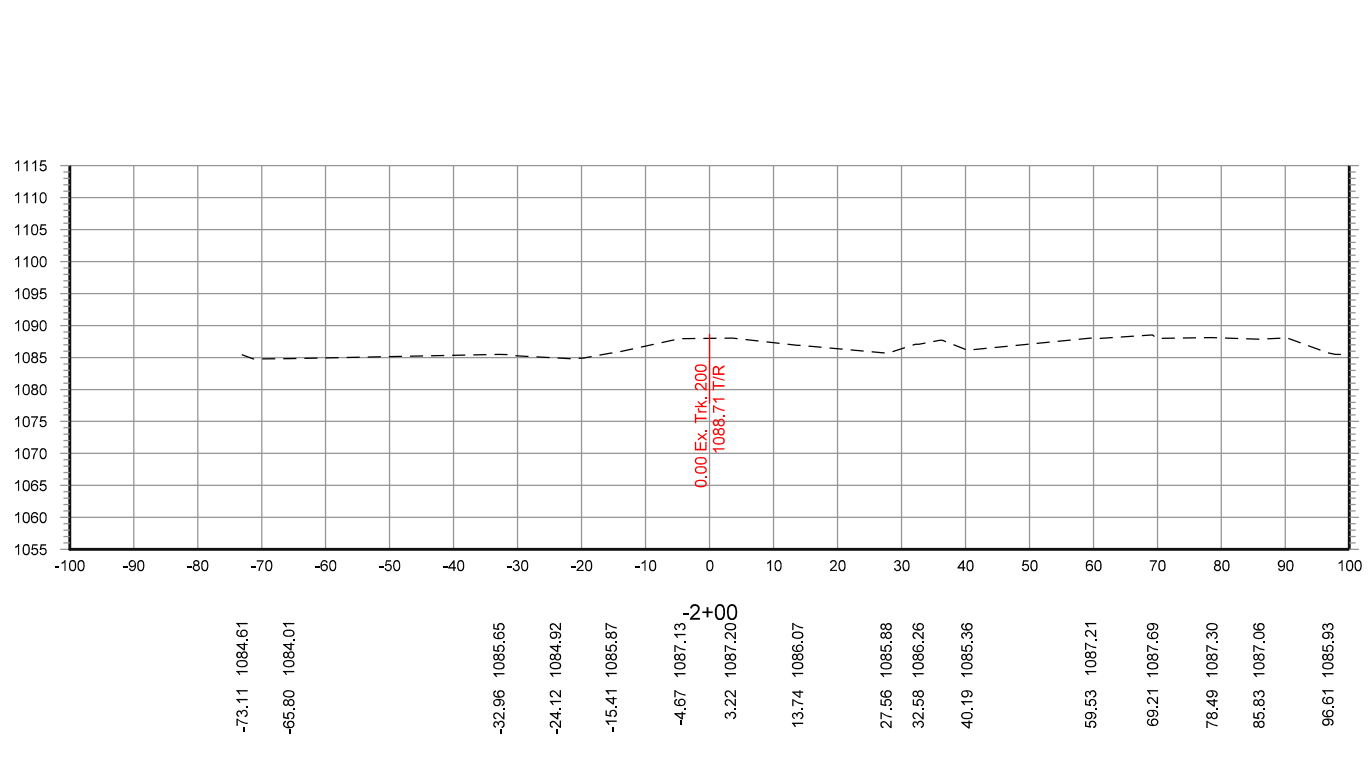
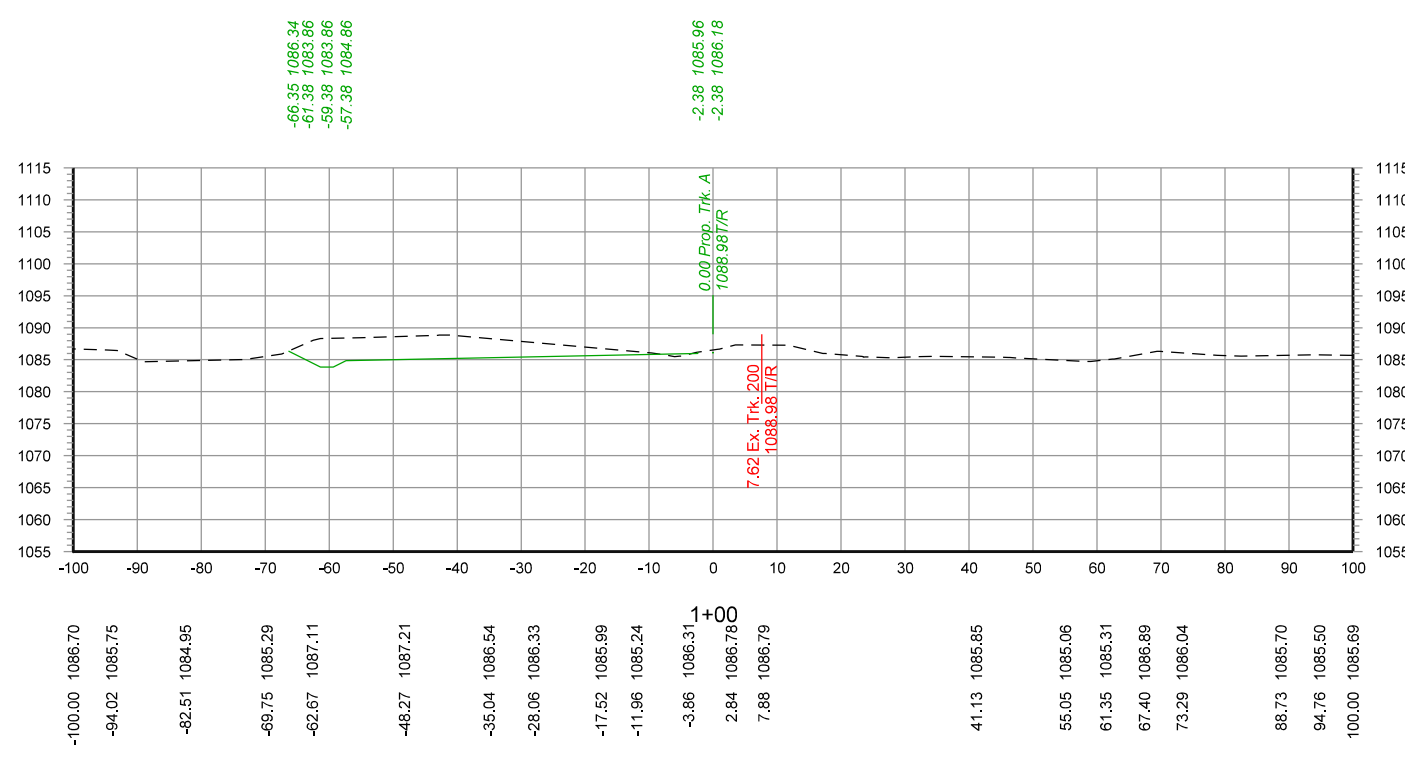
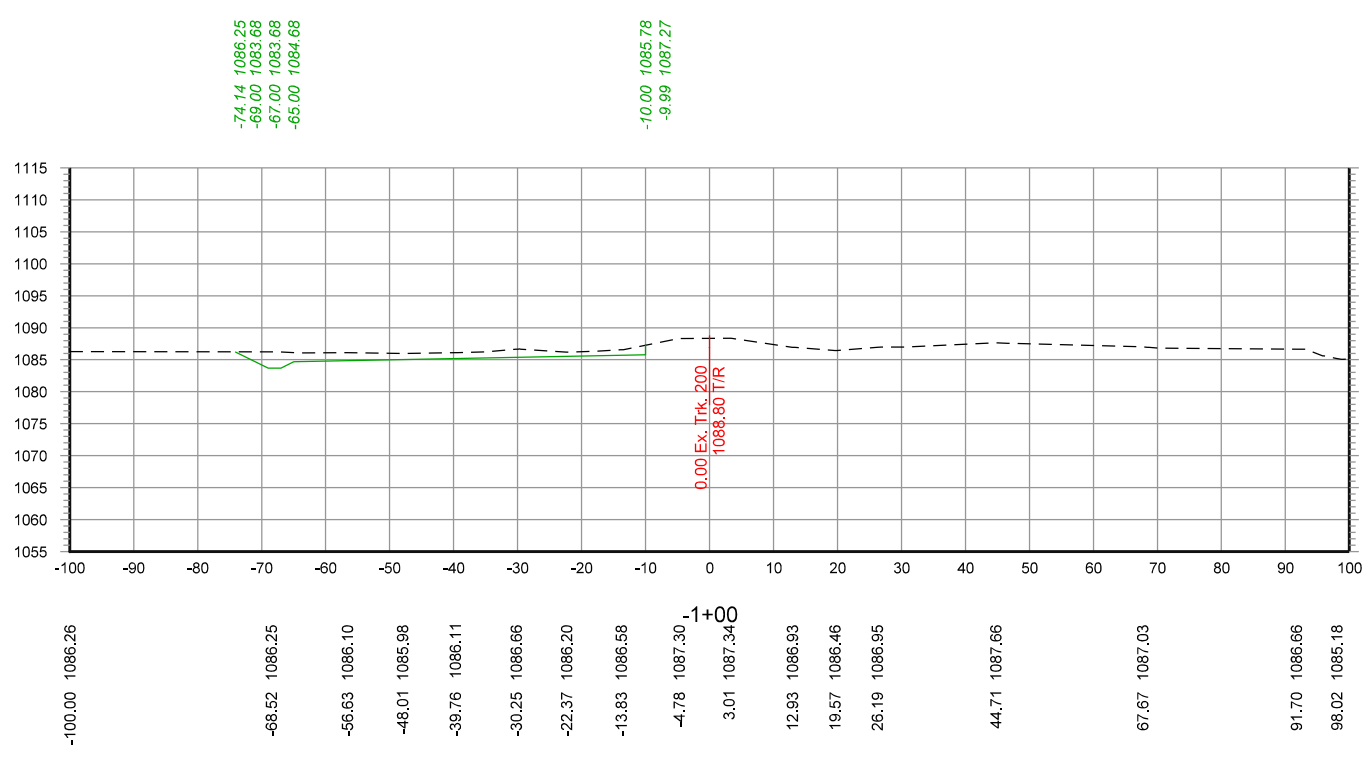
REV. #	BY	DATE	DESCRIPTION

Ex. UPRR Track	Shift Ind. Track	Hand Throw Turnout
Prop. UPRR Track	Future Ind. Track	Power Turnout
Remove UPRR Track	Prop. Leased Ind. Trk	Power Derail
Shift UPRR Track	Ex. Leased Ind. Trk	Hand Throw Derail
Ex. Ind. Track	No RR Operations	Point of Curve
Prop. Ind. Track	Other Ind. Track	Bridge
Remove Ind. Track	Right of Way	Signal



FES #:	12345	DOCUMENT TYPE:	30% Design
DRAWN BY:		UNION PACIFIC RAILROAD For use in Agreement with: Industry Name	
CHECKED BY:		LOCATION & DESCRIPTION: Station, County, State - Underwood Sub MP 8.09	
DATE:	4/10/2023	SHEET TITLE: Typical Sections	
SHEET NUMBER:	006 of 009		

C:\p...tbl...Bentley\WorkSpace\81\Projects\UPRR_Track\UPRR_Track_V8\Color\UPRR.tbl
 F:\2020\2501-3000\020-2954\4-Design\Microstation\020-2954_RLTK\pemt\020-2954_RLTK.tbl
 F:\2020\2501-3000\020-2954\10-Exchange\01\10-UPRR\Design\Files\30%_Sample_Plan_2D_PRINT_FILE.dgn
 Default
 4/10/2023



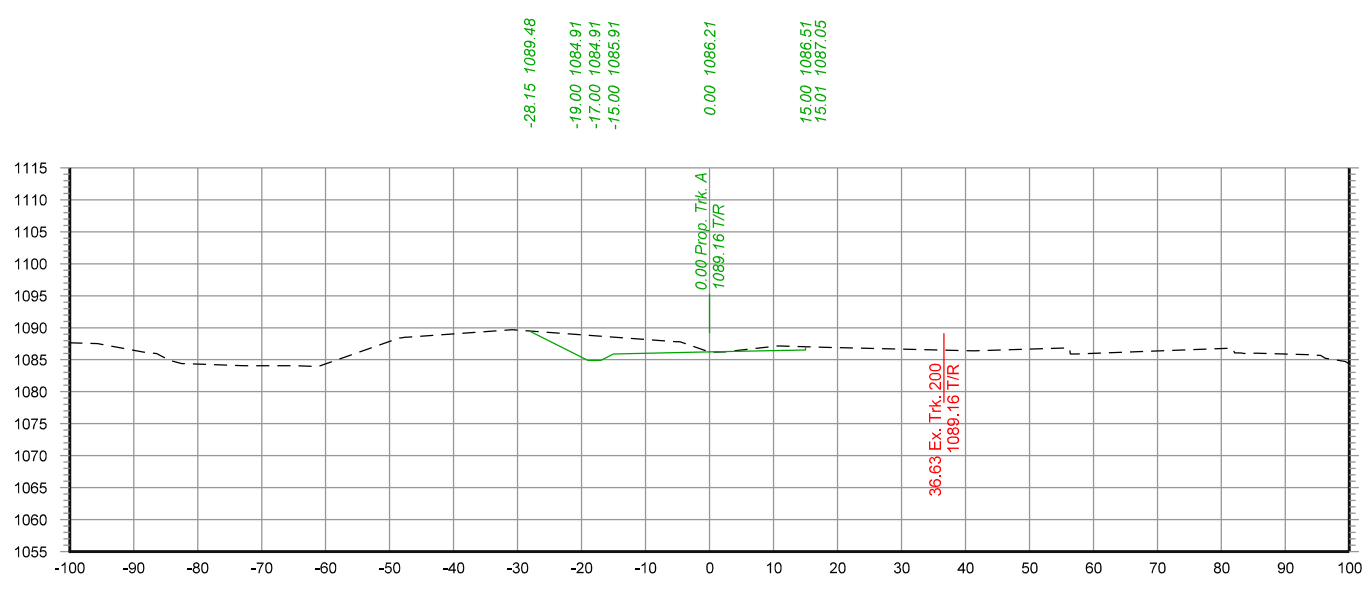
REV. #	BY	DATE	DESCRIPTION

	Ex. UPRR Track		Shift Ind. Track		Hand Throw Turnout
	Prop. UPRR Track		Future Ind. Track		Power Turnout
	Remove UPRR Track		Prop. Leased Ind. Trk		Power Derail
	Shift UPRR Track		Ex. Leased Ind. Trk		Hand Throw Derail
	Ex. Ind. Track		No RR Operations		Point of Curve
	Prop. Ind. Track		Other Ind. Track		Bridge
	Remove Ind. Track		Right of Way		Signal

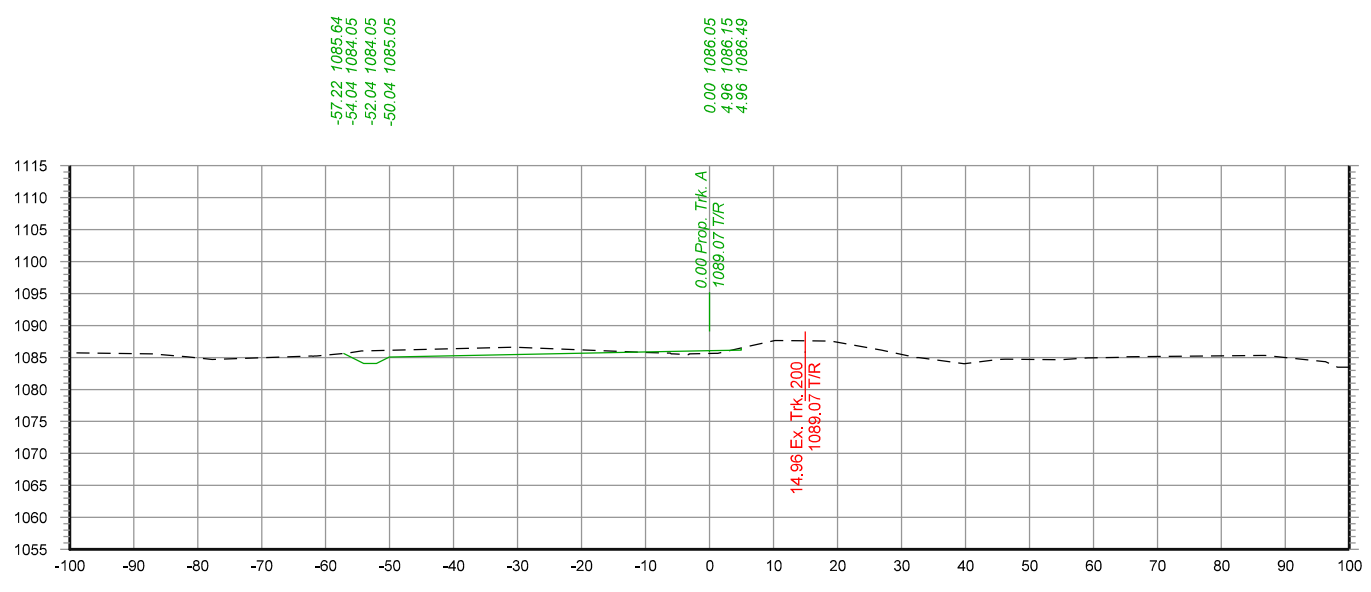


FES #:	12345	DOCUMENT TYPE:	30% Design
DRAWN BY:		UNION PACIFIC RAILROAD	For use in Agreement with: Industry Name
CHECKED BY:		LOCATION & DESCRIPTION:	Station, County, State - Underwood Sub MP 8.09
DATE:	4/10/2023	SHEET TITLE:	CROSS SECTIONS STA.-2+00 TO STA.1+00
SHEET NUMBER:	007 of 009		

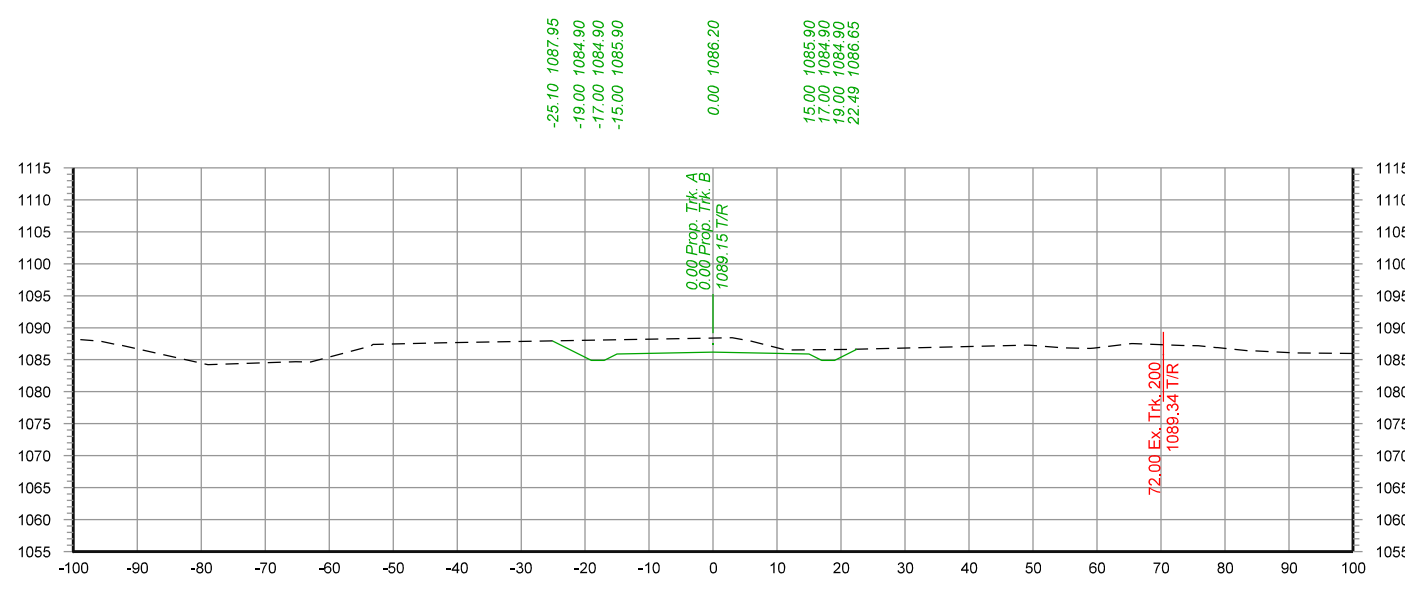
C:\p... \Bentley\WorkSpace\81\Projects\Clients\UPRR_Track\UPRR_Track_V8\Color\UPRR.tbl
 F:\2020\2501-3000\020-2954\4-Design\Microstation\020-2954-RL\TK\pen\table\020-2954-RL TK.tbl
 F:\2020\2501-3000\020-2954\10-Exchange\01\to UPRR\Design Files\Design Files\30% Sample Plan 2D PRINT FILE.dgn
 Default
 4/10/2023



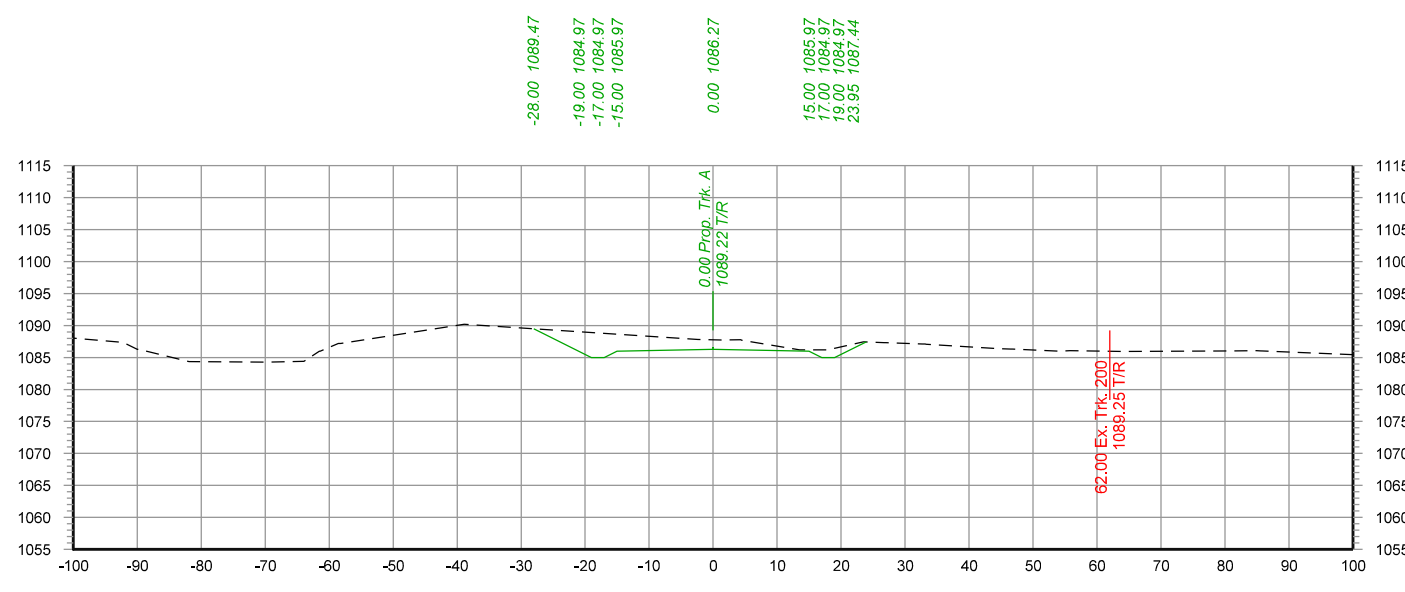
3+00
 -100.00 1086.35
 -94.69 1085.71
 -85.47 1084.03
 -57.30 1084.91
 -41.48 1088.41
 -31.92 1089.31
 -19.90 1088.91
 -11.00 1087.17
 -2.36 1086.23
 4.64 1086.80
 30.86 1087.68
 47.21 1086.50
 61.20 1085.96
 72.77 1086.08
 82.10 1085.38
 88.44 1085.17
 95.67 1085.53



2+00
 -100.00 1085.96
 -86.85 1085.81
 -64.75 1085.59
 -59.61 1085.44
 -46.62 1086.25
 -39.80 1086.53
 -32.72 1086.49
 -26.89 1086.54
 -18.95 1085.06
 -10.58 1085.16
 -1.28 1085.17
 5.67 1086.06
 30.57 1085.11
 54.08 1084.53
 61.45 1085.04
 77.73 1085.18
 86.14 1085.00
 100.00 1083.24



5+00
 -100.00 1087.96
 -90.98 1086.05
 -84.44 1084.38
 -78.84 1084.89
 -73.21 1085.22
 -65.67 1085.51
 -59.51 1085.82
 -49.44 1086.29
 -20.75 1087.40
 -11.36 1087.50
 -5.99 1087.91
 42.19 1086.65
 52.79 1086.40
 62.90 1087.66
 78.95 1087.21
 92.91 1085.37
 100.00 1086.25



4+00
 -100.00 1088.46
 -85.74 1084.04
 -64.10 1084.94
 -55.78 1086.07
 -46.80 1086.33
 -33.30 1089.07
 -27.01 1089.32
 -17.91 1089.17
 -4.48 1088.70
 2.39 1087.80
 36.92 1086.18
 56.22 1085.18
 63.97 1085.41
 69.66 1085.26
 81.93 1085.36
 89.77 1085.29
 100.00 1085.04

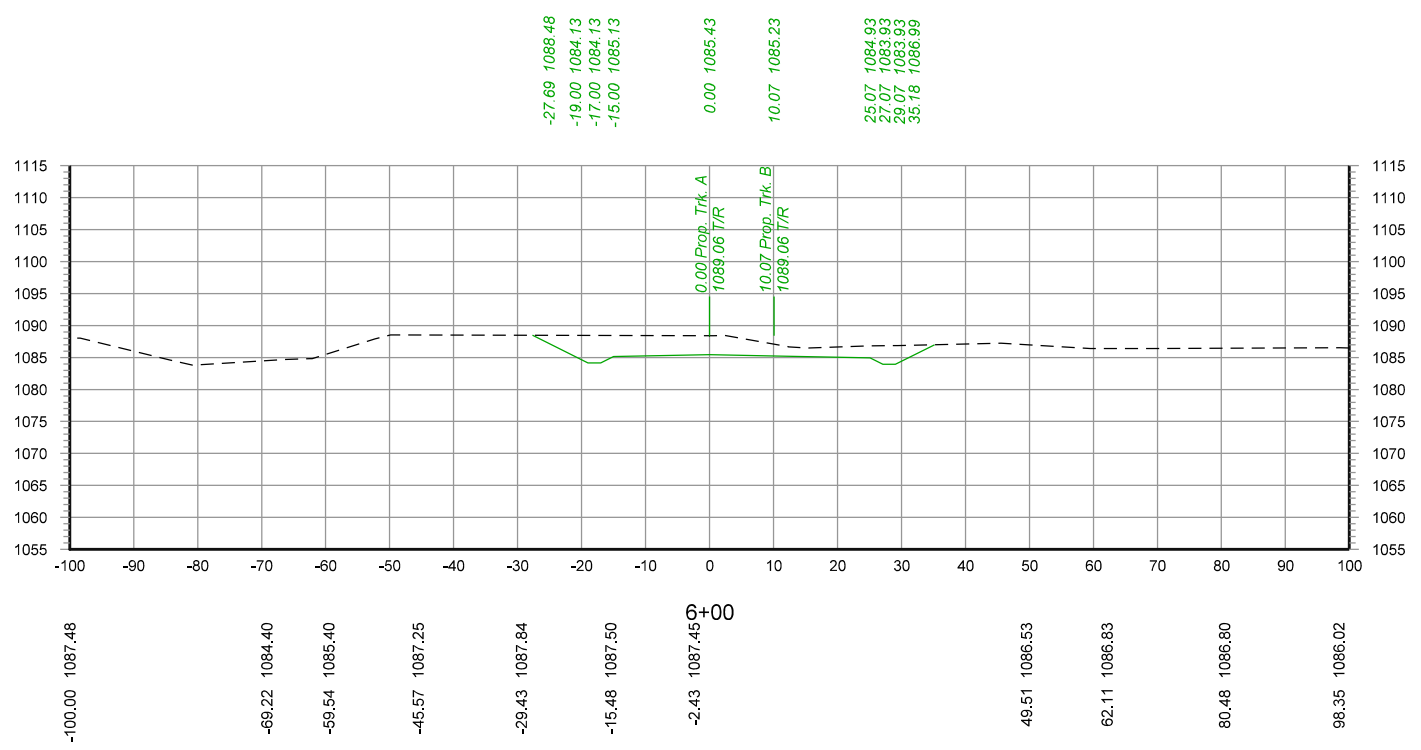
REV. #	BY	DATE	DESCRIPTION

- Ex. UPRR Track
- Prop. UPRR Track
- Remove UPRR Track
- Shift UPRR Track
- Ex. Ind. Track
- Prop. Ind. Track
- Remove Ind. Track
- Shift Ind. Track
- Future Ind. Track
- Prop. Leased Ind. Trk
- Ex. Leased Ind. Trk
- No RR Operations
- Other Ind. Track
- Right of Way
- Hand Throw Turnout
- Power Turnout
- Hand Throw Derail
- Point of Curve
- Bridge
- Signal



FES #:	12345	DOCUMENT TYPE:	30% Design
DRAWN BY:		UNION PACIFIC RAILROAD For use in Agreement with: Industry Name	
CHECKED BY:		LOCATION & DESCRIPTION: Station, County, State - Underwood Sub MP 8.09	
DATE:	4/10/2023	SHEET TITLE: CROSS SECTIONS STA.2+00 TO STA.5+00	
SHEET NUMBER:	008 of 009		

C:\p\tbl\es\k\Bentley\workspace\81\p\projects\Clients\UPRR_Track_V8\color\UPRR.tbl
 F:\2020\2501-3000\020-2954\4-D\Design\Microstation\020-2954-RLTK\p\table\020-2954-RLTK.tbl
 F:\2020\2501-3000\020-2954\10-Exchange\00\1\to UPRR\Design Files\30% Sample Plan 2D PRINT FILE.dgn
 Default
 4/10/2023



REV. #	BY	DATE	DESCRIPTION

Ex. UPRR Track	Shift Ind. Track	Hand Throw Turnout
Prop. UPRR Track	Future Ind. Track	Power Turnout
Remove UPRR Track	Prop. Leased Ind. Trk	Power Derail
Shift UPRR Track	Ex. Leased Ind. Trk	Hand Throw Derail
Ex. Ind. Track	No RR Operations	Point of Curve
Prop. Ind. Track	Other Ind. Track	Bridge
Remove Ind. Track	Right of Way	Signal



FES #:	12345	DOCUMENT TYPE:	30% Design
DRAWN BY:		UNION PACIFIC RAILROAD	For use in Agreement with: Industry Name
CHECKED BY:		LOCATION & DESCRIPTION:	
DATE:	4/10/2023	Station, County, State - Underwood Sub MP 8.09	
SHEET NUMBER:	009 of 009	SHEET TITLE: CROSS SECTIONS STA.6+00 TO STA.6+00	