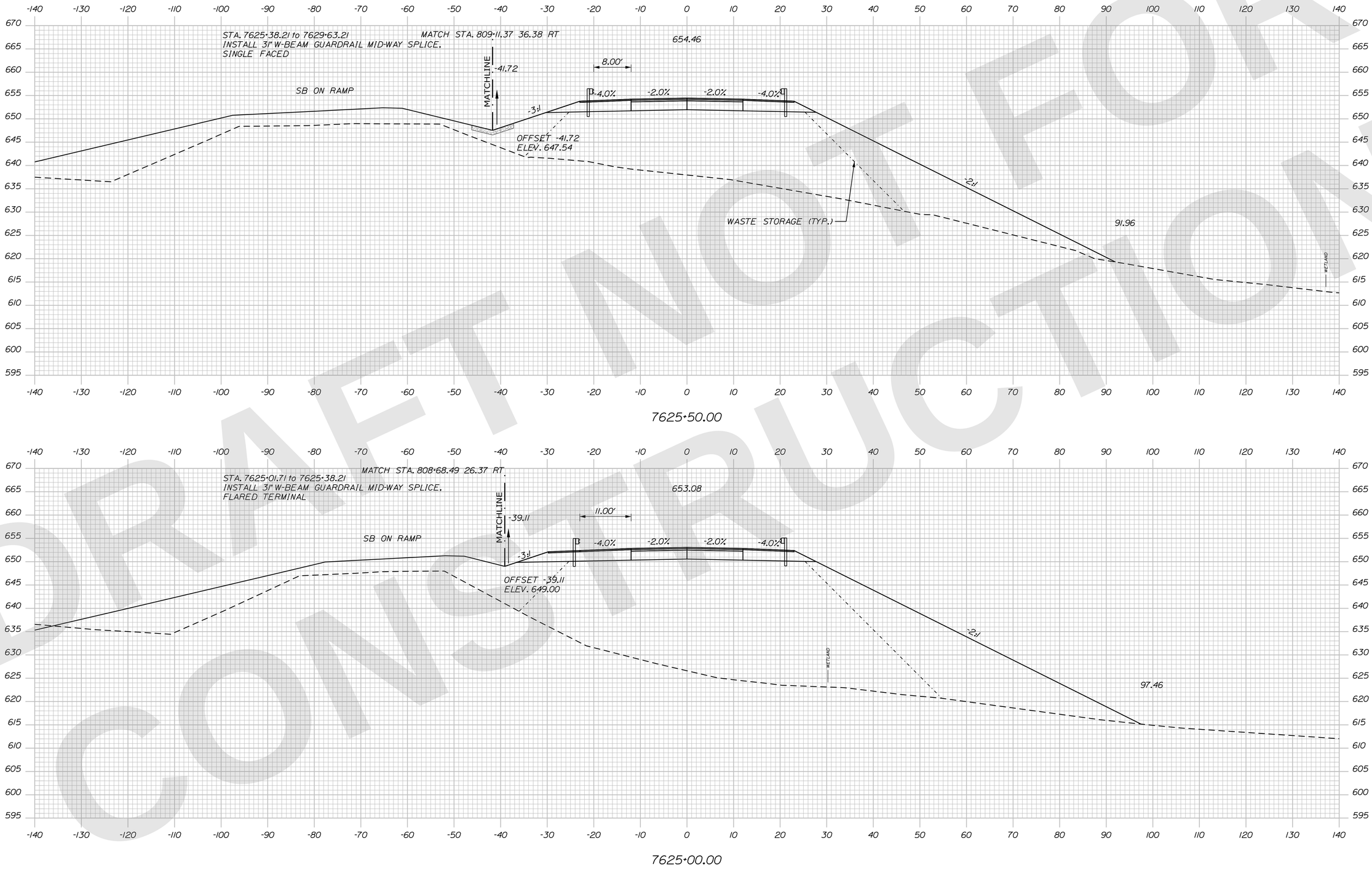
Filename: ...\H5_01_Xsects_PL_BYPASS.dgn Username: jamesdavis
Division: HIGHWAY Date:9/2/2025



DRAFT NOT FOR CONSTRUCTION

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 6462.92

HIGHWAY PLANS

vhb

	R.M.	BY	DATE
PROJ. MANAGER			
DESIGN-DETAILED	ZBW	JBD	9/2/2025
CHECKED-REVIEWED	ECF	AG	9/2/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

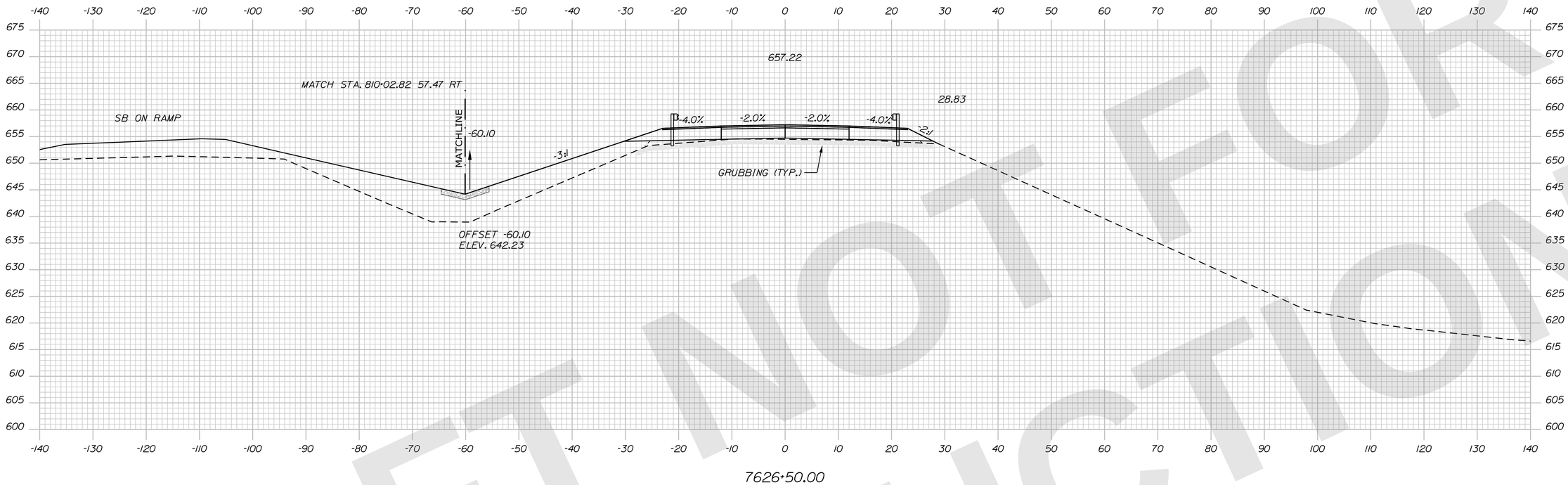
PRESQUE ISLE
PRESQUE ISLE BYPASS

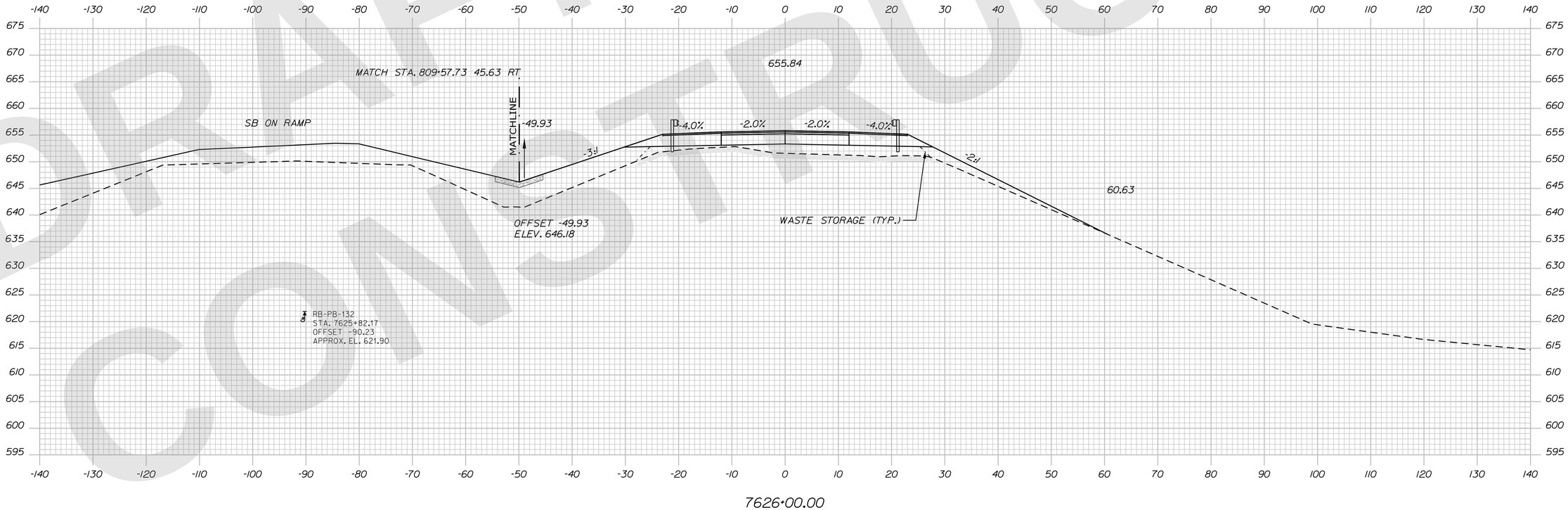
CROSS SECTIONS

SHEET NUMBER
H-319
423
OF 747

Sta. 7625+00.00 to Sta. 7625+50.00

Username: jamesdavis Date:9/2/2025
Division: HIGHWAY
Filename: ...\H5_01_Xsects_PL_BYPASS.dgn





PRELIMINARY NOT FOR CONSTRUCTION

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 6462.92

HIGHWAY PLANS

vhb

	R.M.	BY	DATE
PROJ. MANAGER			
DESIGN-DETAILED	ZBW	JBD	9/2/2025
CHECKED-REVIEWED	ECF	AG	9/2/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

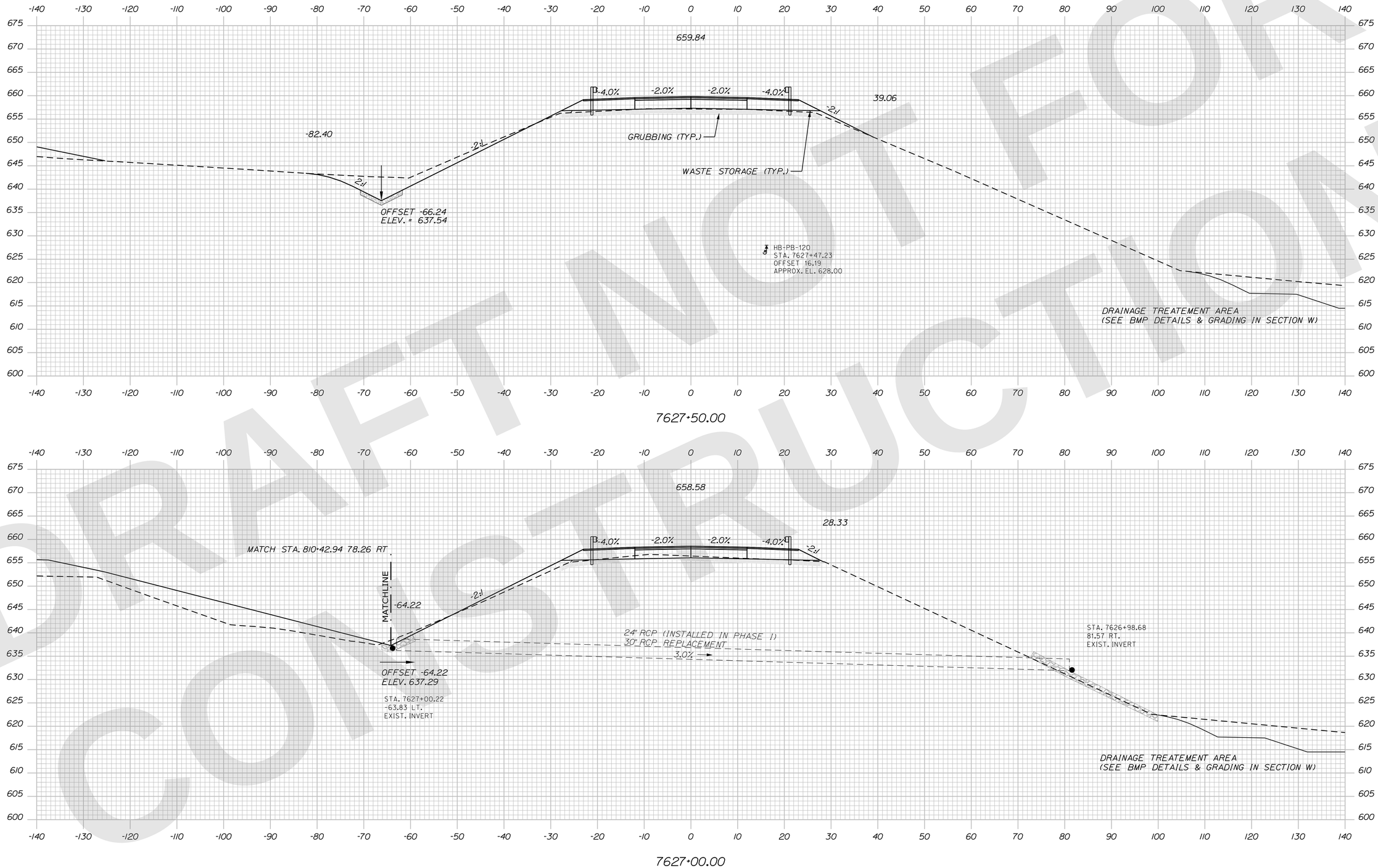
PRESQUE ISLE
PRESQUE ISLE BYPASS

CROSS SECTIONS

SHEET NUMBER
H-320
424
OF 747

Sta. 7626+00.00 to Sta. 7626+50.00

Filename: ...\H5_01_Xsects_PL_BYPASS.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025



DRAFT NOT FOR CONSTRUCTION

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN
6462.92

HIGHWAY PLANS

vhb

	R.M.	BY	DATE
PROJ. MANAGER			
DESIGN-DETAILED	ZBW	JBD	9/2/2025
CHECKED-REVIEWED	ECF	AG	9/2/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

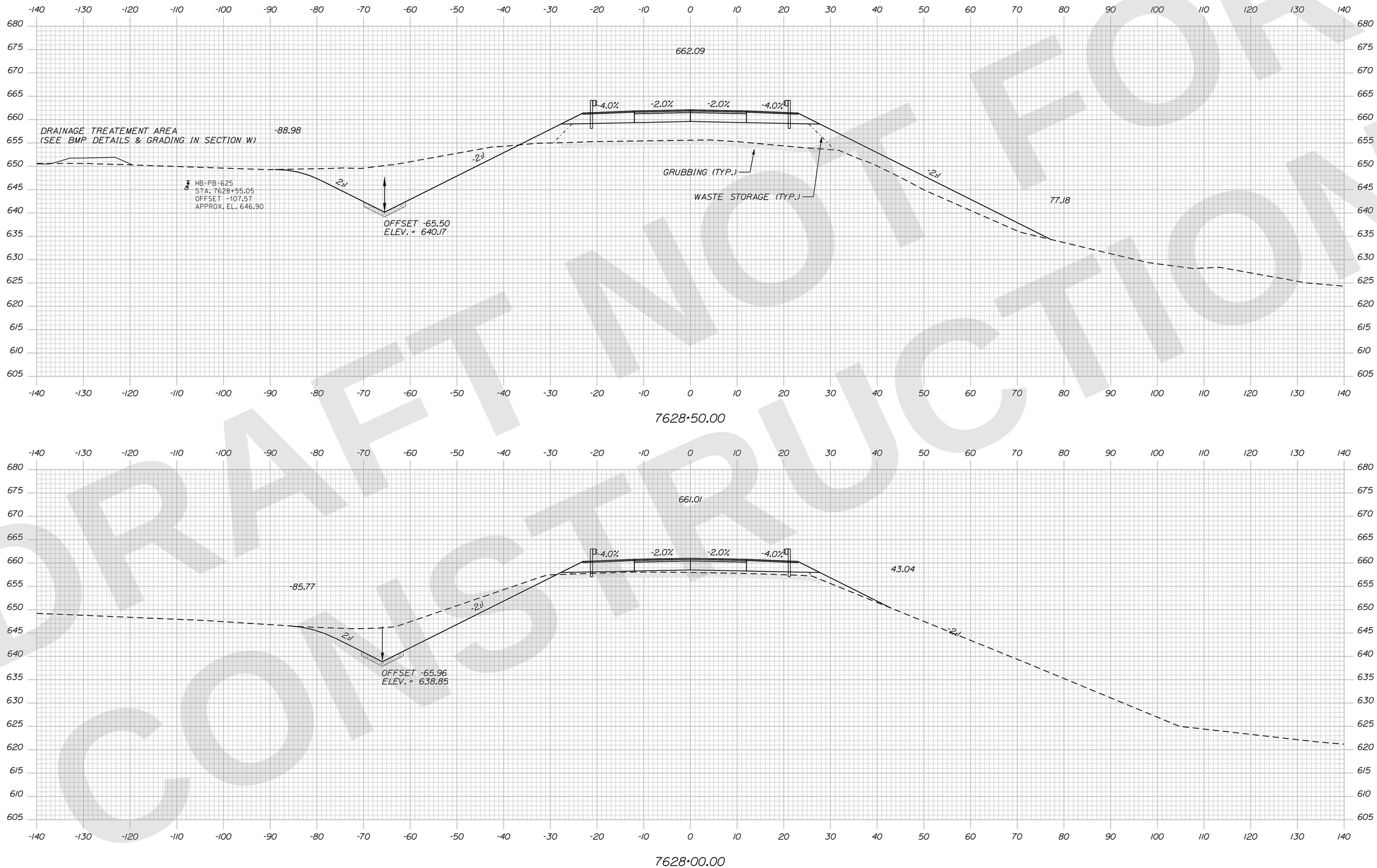
PRESQUE ISLE
PRESQUE ISLE BYPASS

CROSS SECTIONS

SHEET NUMBER
H-321
425
OF 747

Sta. 7627+00.00 to Sta. 7627+50.00

Filename: ...\H5_01_Xsects_PL_BYPASS.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN
6462.92

HIGHWAY PLANS

vhb

	R.M.	DATE
PROJ. MANAGER		
DESIGN-DETAILED	ZBW	9/2/2025
CHECKED-REVIEWED	ECF	9/2/2025
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

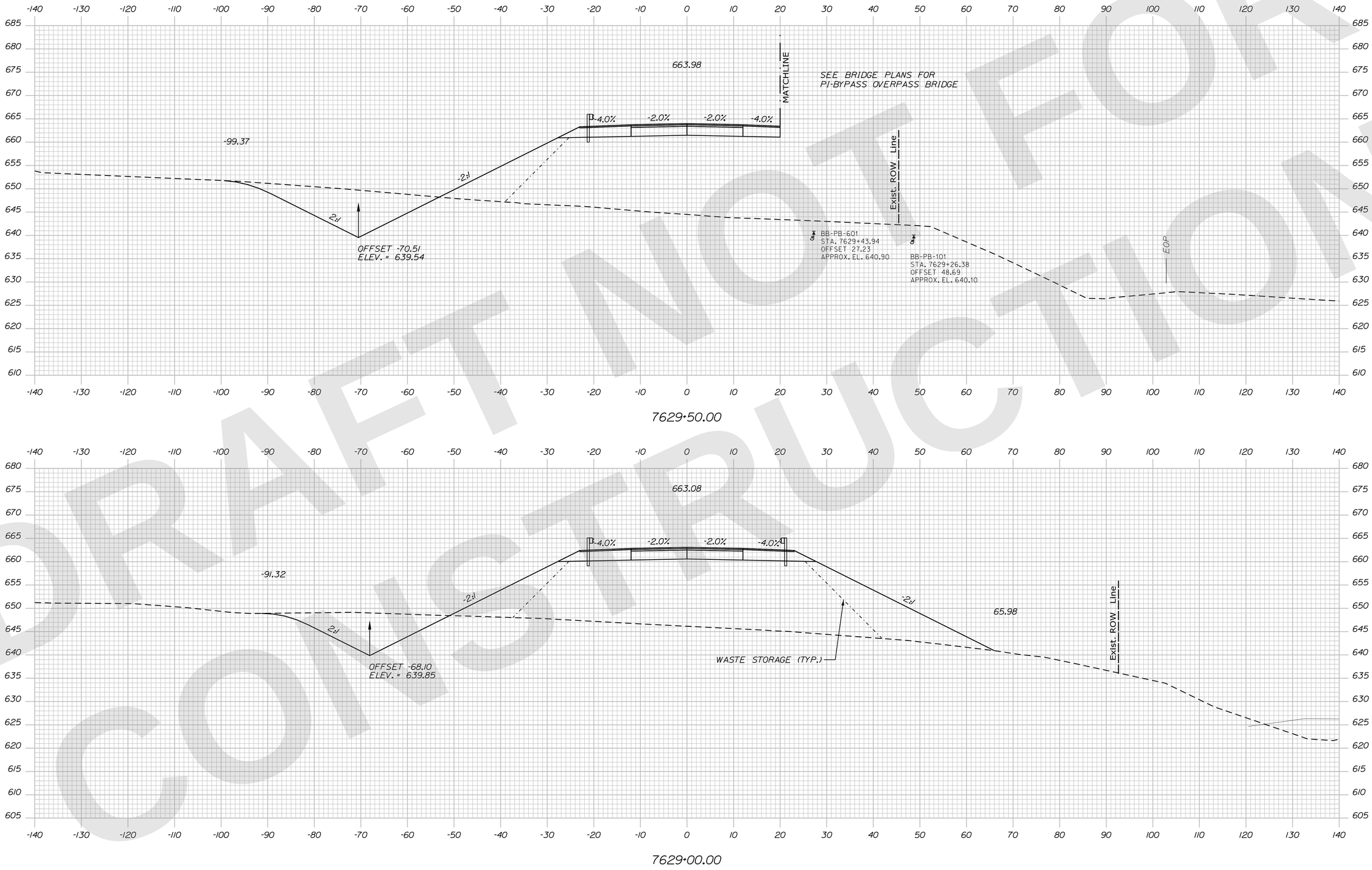
PRESQUE ISLE
PRESQUE ISLE BYPASS

CROSS SECTIONS

SHEET NUMBER
H-322
426
OF 747

Sta. 7628+00.00 to Sta. 7628+50.00

DRAFT NOT FOR CONSTRUCTION



Sta. 7629+00.00 to Sta. 7629+50.00

DRAFT NOT FOR CONSTRUCTION

Filename: ...\H5_01_Xsects_PI_BYPASS.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 6462.92

HIGHWAY PLANS

vhb

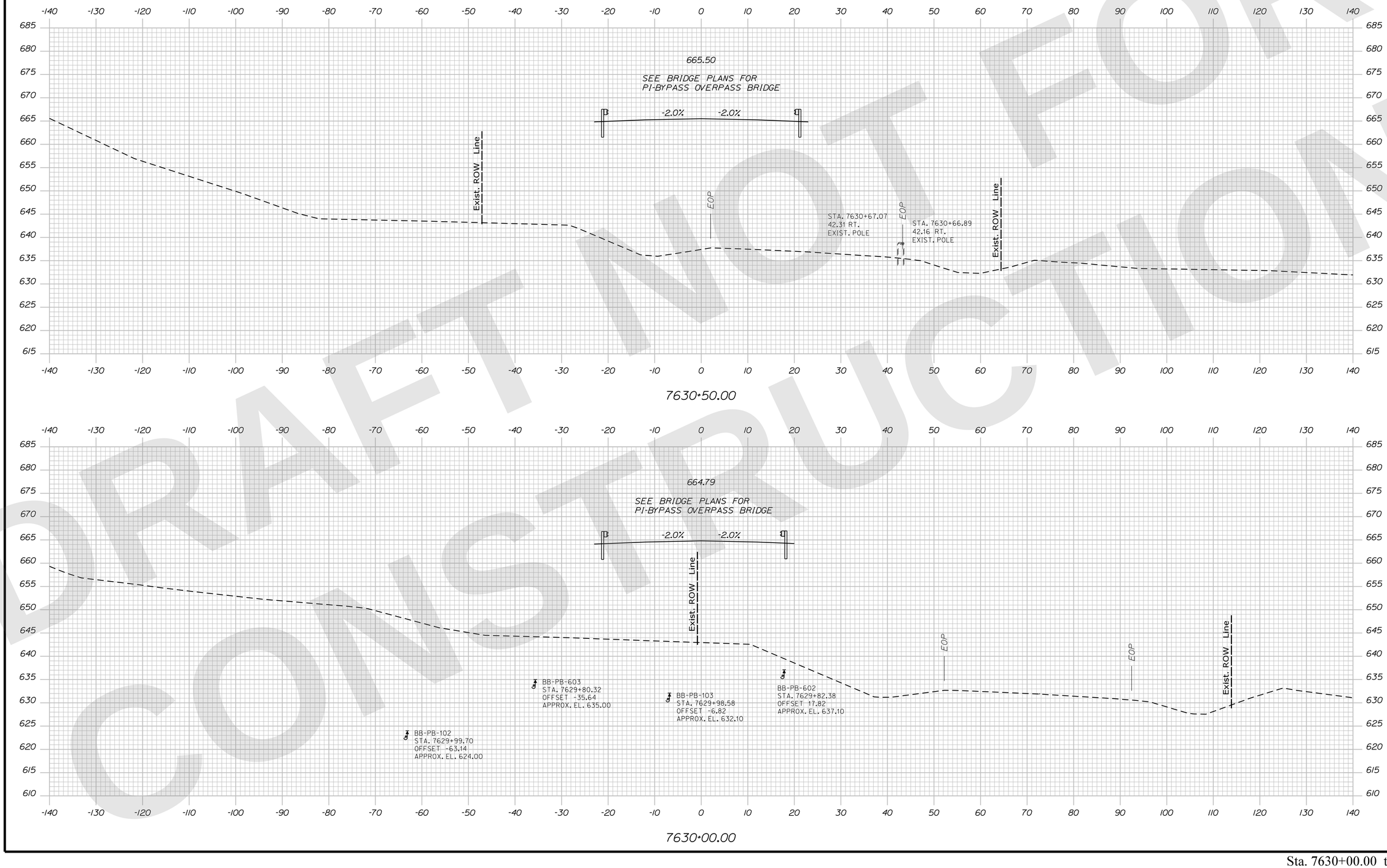
	R.M.	BY	DATE
PROJ. MANAGER			
DESIGN-DETAILED	ZBW	JBD	9/2/2025
CHECKED-REVIEWED	ECF	AG	9/2/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

PRESQUE ISLE
PRESQUE ISLE BYPASS

CROSS SECTIONS

SHEET NUMBER
H-323
427
OF 747

DRAFT NOT FOR CONSTRUCTION



Sta. 7630+00.00 to Sta. 7630+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 6462.92

HIGHWAY PLANS

vhb

PROJ. MANAGER	R.M.	DATE
DESIGN-DETAILED	ZBW	JBD	9/2/2025
CHECKED-REVIEWED	ECF	AG	9/2/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

PRESQUE ISLE
PRESQUE ISLE BYPASS

CROSS SECTIONS

SHEET NUMBER
H-324
428
OF 747

Filename: ...\H5_01_Xsects_PI_BYPASS.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025

Filename: ...\H5_01_Xsects_PI_BYPASS.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025

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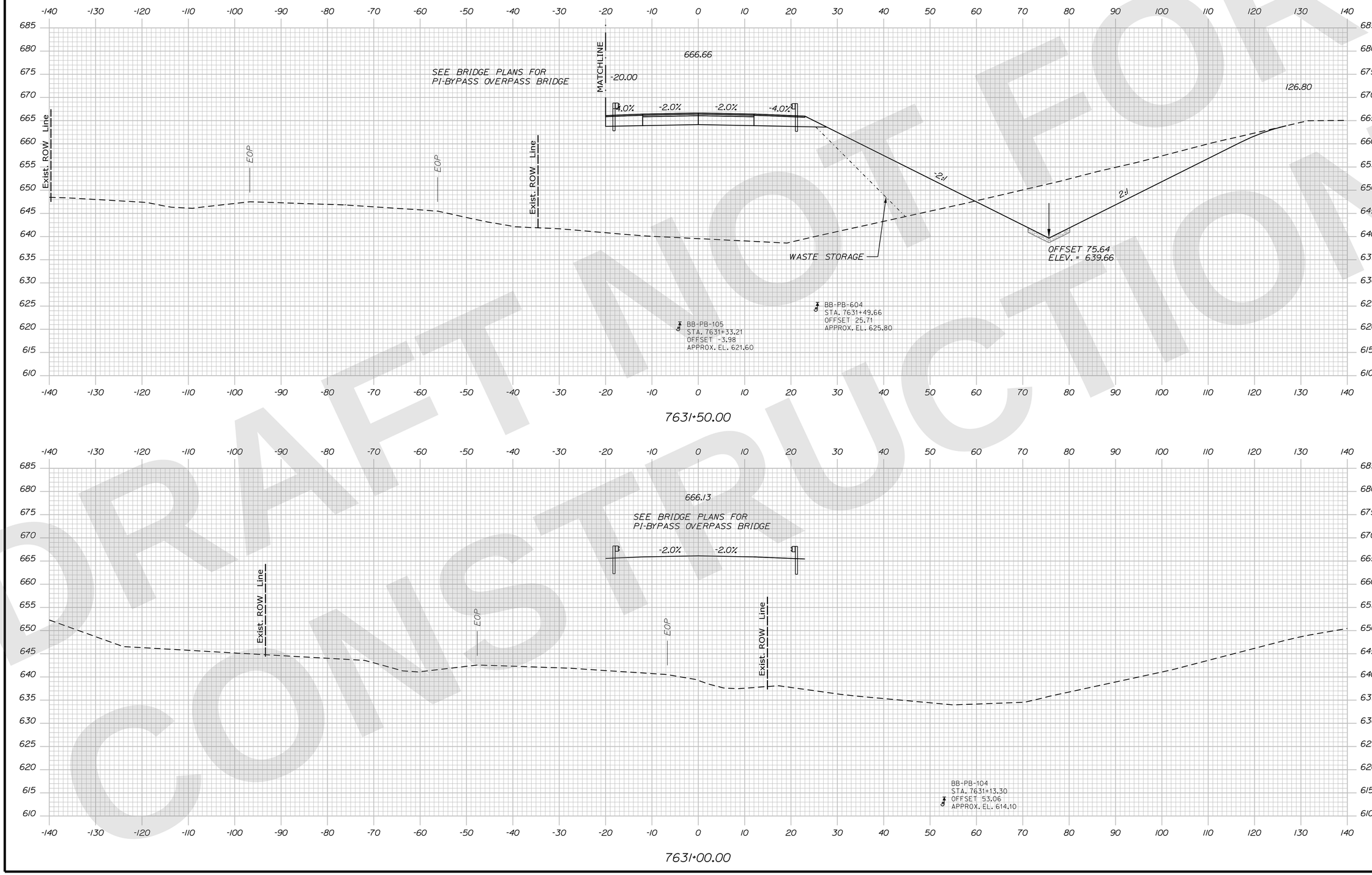


STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 6462.92

HIGHWAY PLANS

vhb

PROJ. MANAGER	R.M.	
DESIGN-DETAILED	ZBW	JBD
CHECKED-REVIEWED	ECF	AG
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

DATE
9/2/2025
9/2/2025

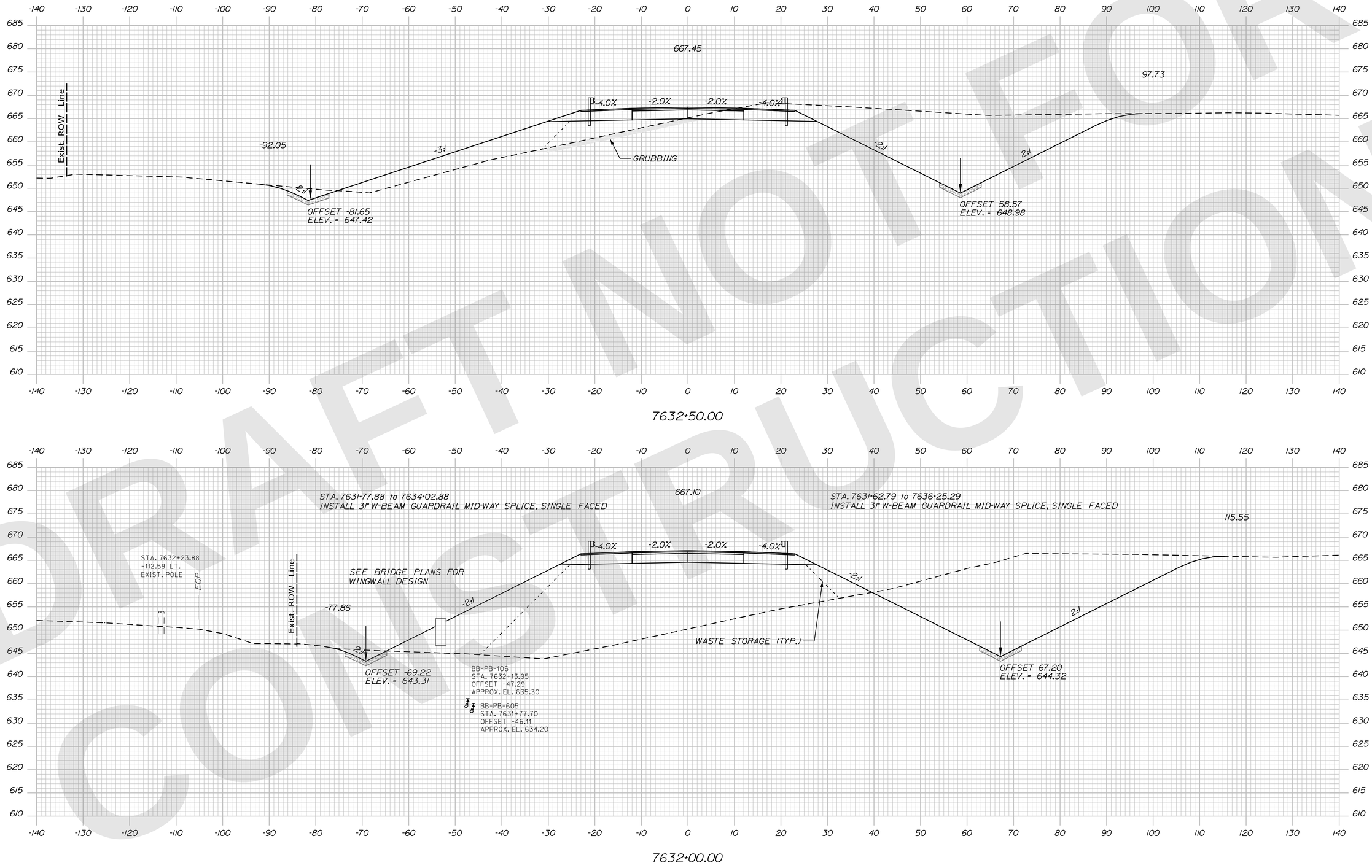
PRESQUE ISLE
PRESQUE ISLE BYPASS

CROSS SECTIONS

SHEET NUMBER
H-325
429
OF 747

Sta. 7631+00.00 to Sta. 7631+50.00

DRAFT NOT FOR CONSTRUCTION



Sta. 7632+00.00 to Sta. 7632+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 6462.92

HIGHWAY PLANS

vhb

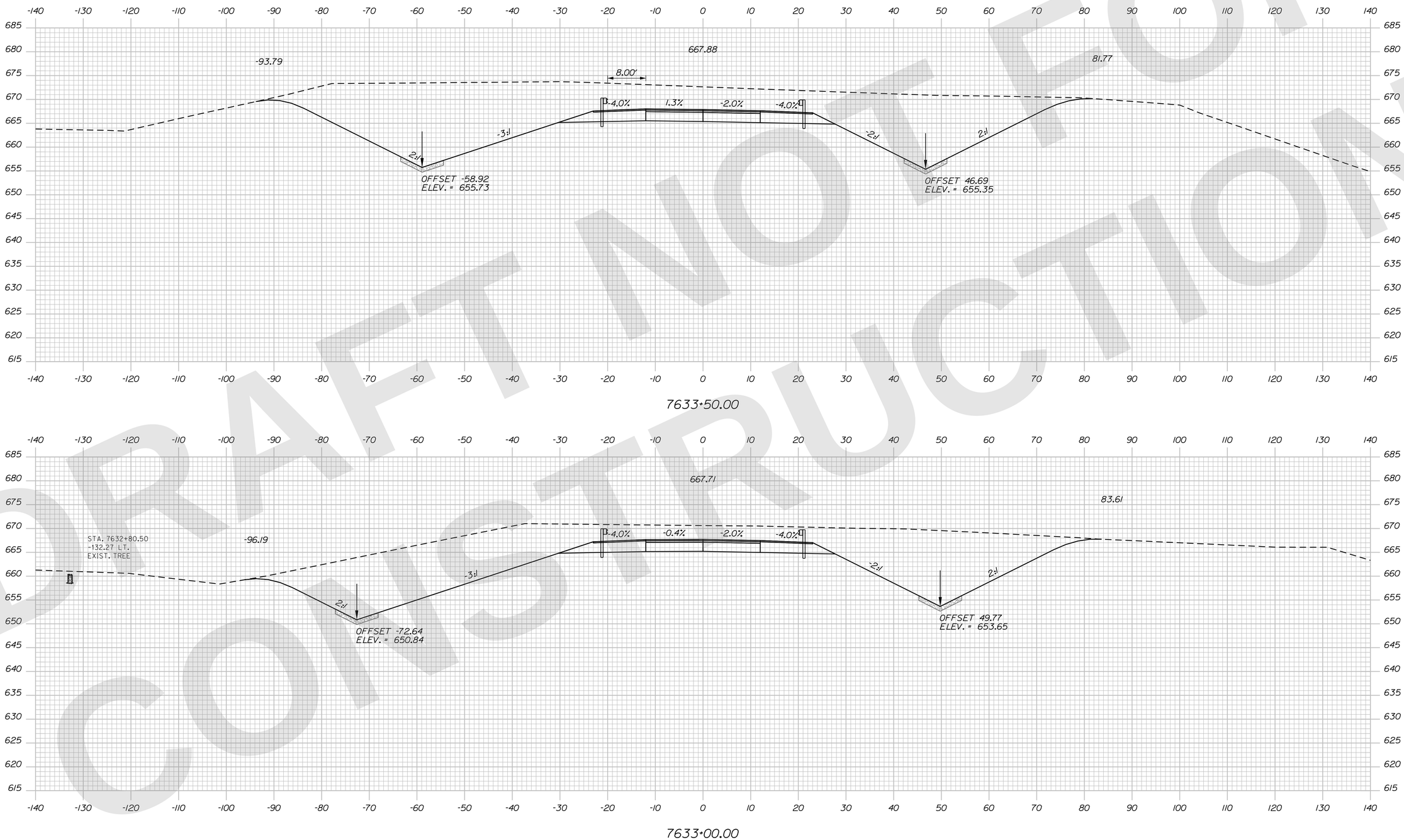
	R.M.	BY	DATE
PROJ. MANAGER			
DESIGN-DETAILED	ZBW	JBD	9/2/2025
CHECKED-REVIEWED	ECF	AG	9/2/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

PRESQUE ISLE
PRESQUE ISLE BYPASS

CROSS SECTIONS

SHEET NUMBER
H-326
430
OF 747

Filename: ...\H5_01_Xsects_PL_BYPASS.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 6462.92

HIGHWAY PLANS

vhb

	R.M.	BY	DATE
PROJ. MANAGER			
DESIGN-DETAILED	ZBW	JBD	9/2/2025
CHECKED-REVIEWED	ECF	AG	9/2/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

PRESQUE ISLE
PRESQUE ISLE BYPASS

CROSS SECTIONS

SHEET NUMBER
H-327
431
OF 747

Sta. 7633+00.00 to Sta. 7633+50.00

Filename: ...\H5_01_Xsects_PI_BYPASS.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025

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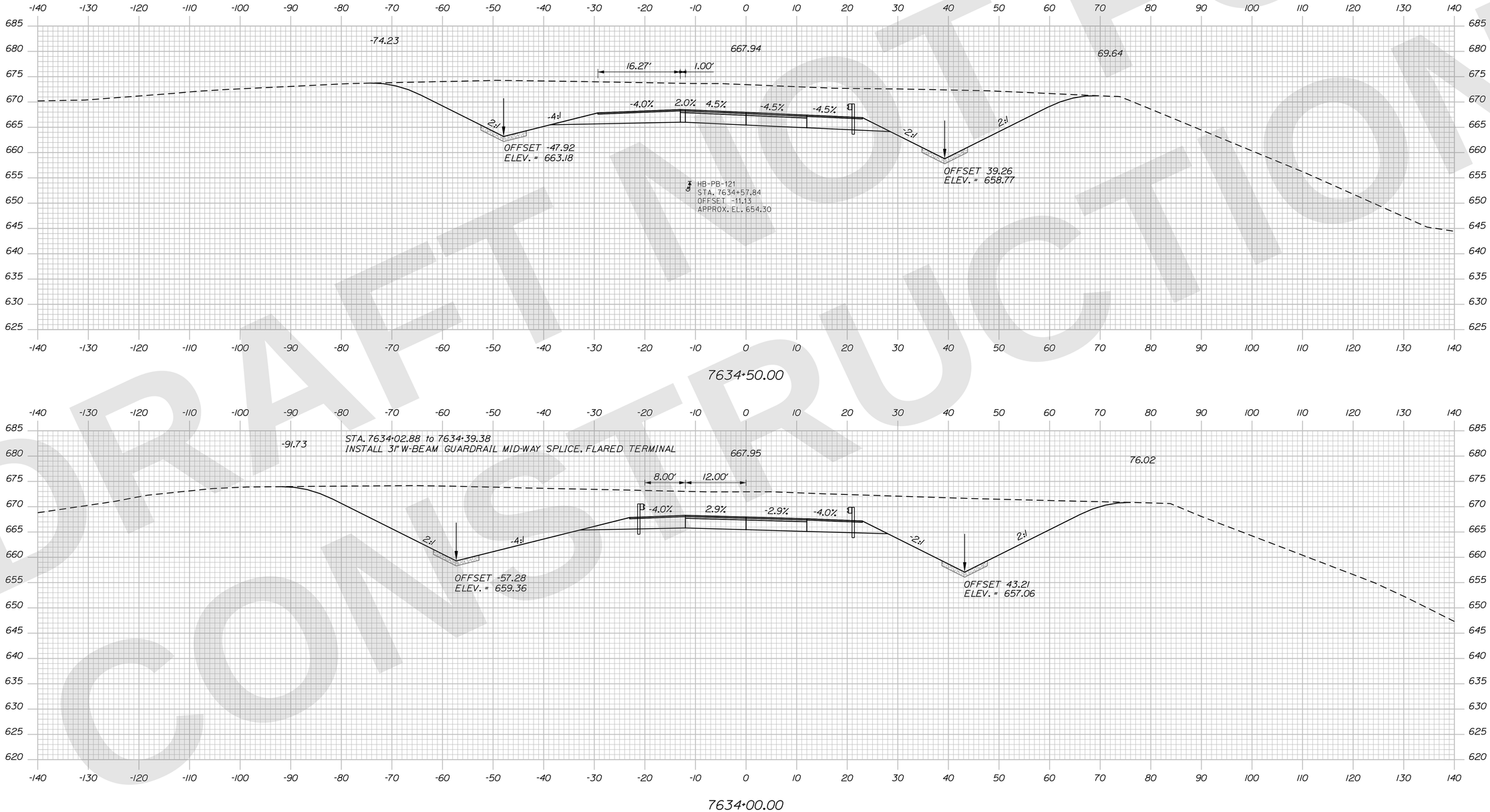


Sta. 7634+00.00 to Sta. 7634+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 6462.92

HIGHWAY PLANS

vhb

	R.M.	BY	DATE
PROJ. MANAGER	R.M.		
DESIGN-DETAILED	ZBW	JBD	9/2/2025
CHECKED-REVIEWED	ECF	AG	9/2/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

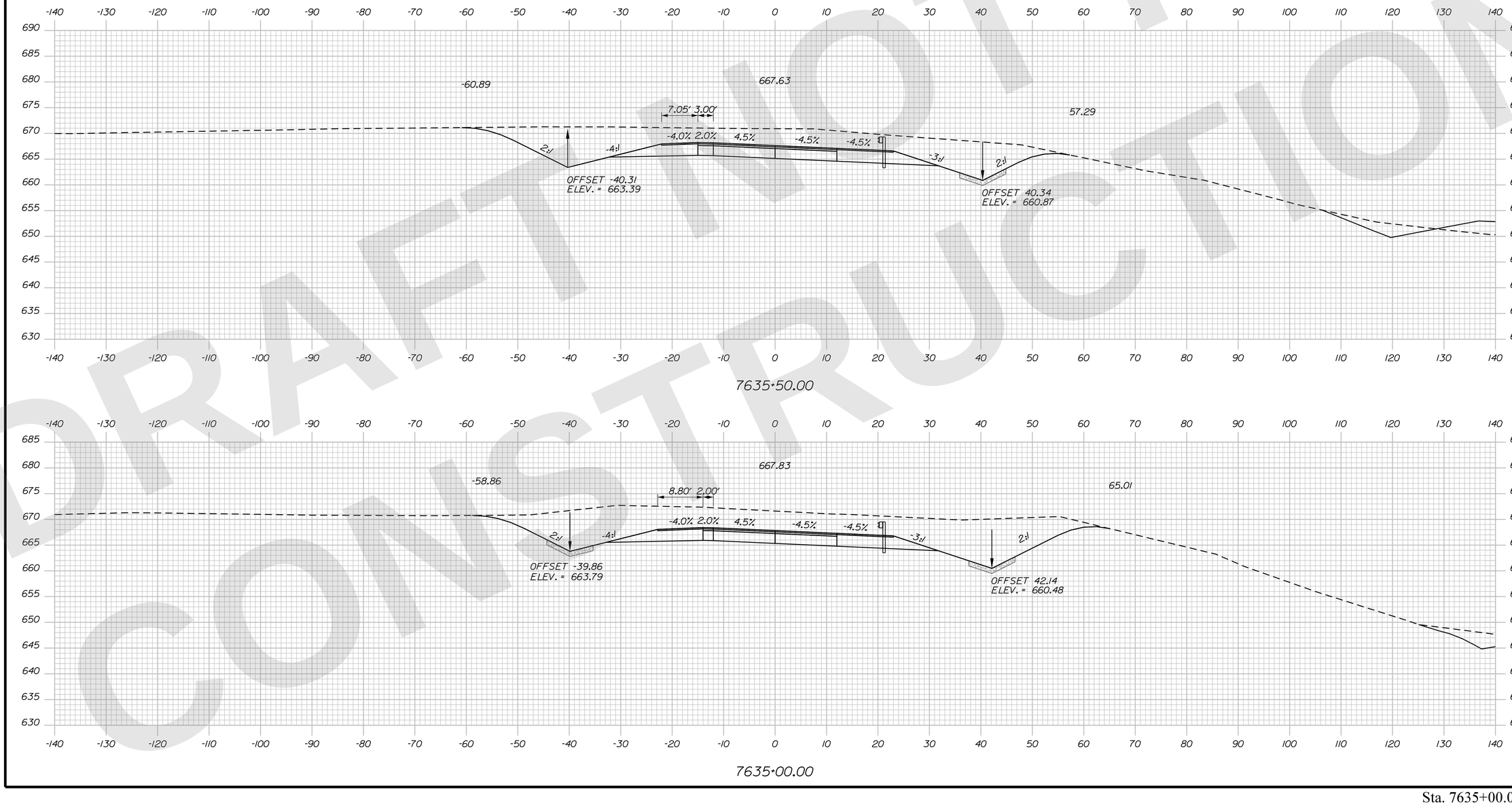
PRESQUE ISLE
PRESQUE ISLE BYPASS

CROSS SECTIONS

SHEET NUMBER
H-328
432
OF 747

Filename: ...\H5_01_Xsects_PI_BYPASS.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025

Filename: ...\H5_01_Xsects_PI_BYPASS.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025



Sta. 7635+00.00 to Sta. 7635+50.00

PRELIMINARY NOT FOR CONSTRUCTION

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 6462.92

HIGHWAY PLANS

vhb

	R.M.	BY	DATE
PROJ. MANAGER			
DESIGN-DETAILED	ZBW	JBD	9/2/2025
CHECKED-REVIEWED	ECF	AG	9/2/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

PRESQUE ISLE
PRESQUE ISLE BYPASS

CROSS SECTIONS

SHEET NUMBER
H-329
433
OF 747

Username: jamesdavis Date:9/2/2025
Division: HIGHWAY
Filename: ...\H5_01_Xsects_PL_BYPASS.dgn

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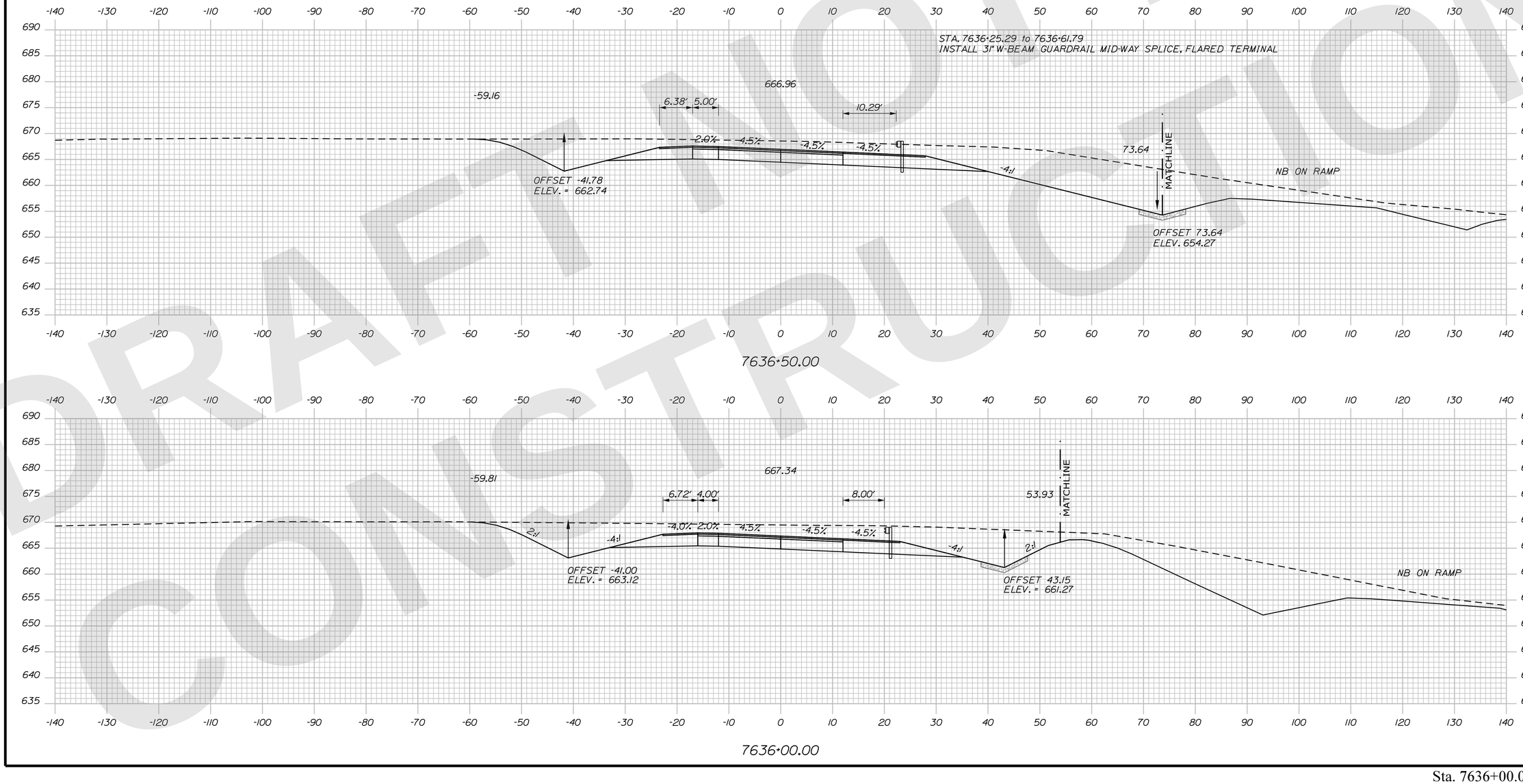


STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN
6462.92

HIGHWAY PLANS

vhb

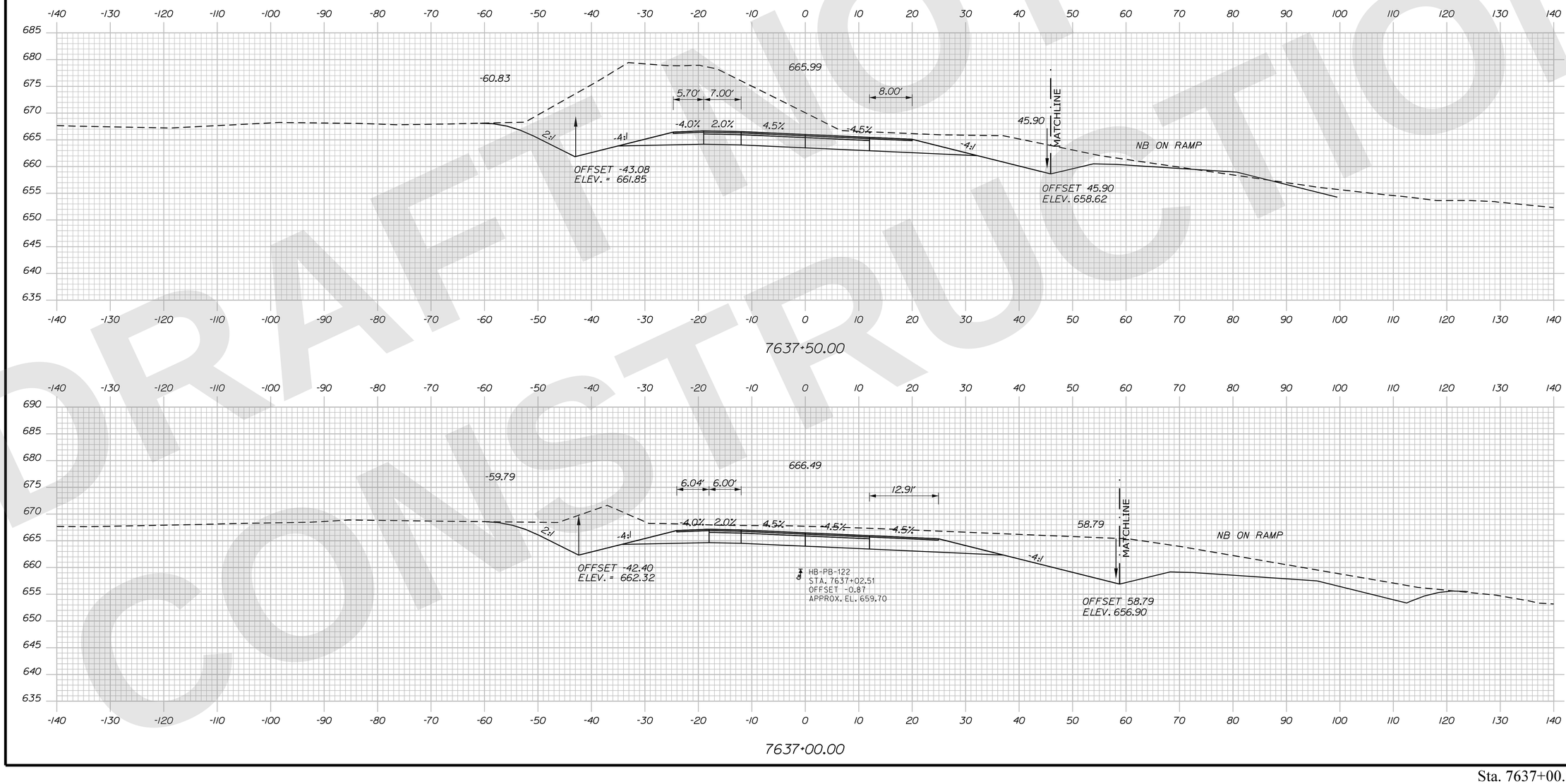
	R.M.	BY	DATE
PROJ. MANAGER			
DESIGN-DETAILED	ZBW	JBD	9/2/2025
CHECKED-REVIEWED	ECF	AG	9/2/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

PRESQUE ISLE
PRESQUE ISLE BYPASS

CROSS SECTIONS

SHEET NUMBER
H-330
434
OF 747

Sta. 7636+00.00 to Sta. 7636+50.00



DRAFT NOT FOR CONSTRUCTION

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 6462.92

HIGHWAY PLANS

vhb

	R.M.	BY	DATE
PROJ. MANAGER			
DESIGN-DETAILED	ZBW	JBD	9/2/2025
CHECKED-REVIEWED	ECF	AG	9/2/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

PRESQUE ISLE
PRESQUE ISLE BYPASS

CROSS SECTIONS

SHEET NUMBER
H-331
435
OF 747

Sta. 7637+00.00 to Sta. 7637+50.00

Filename: ...\H5_01_Xsects_PI_BYPASS.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025

Filename: ...\H5_01_Xsects_PI_BYPASS.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025

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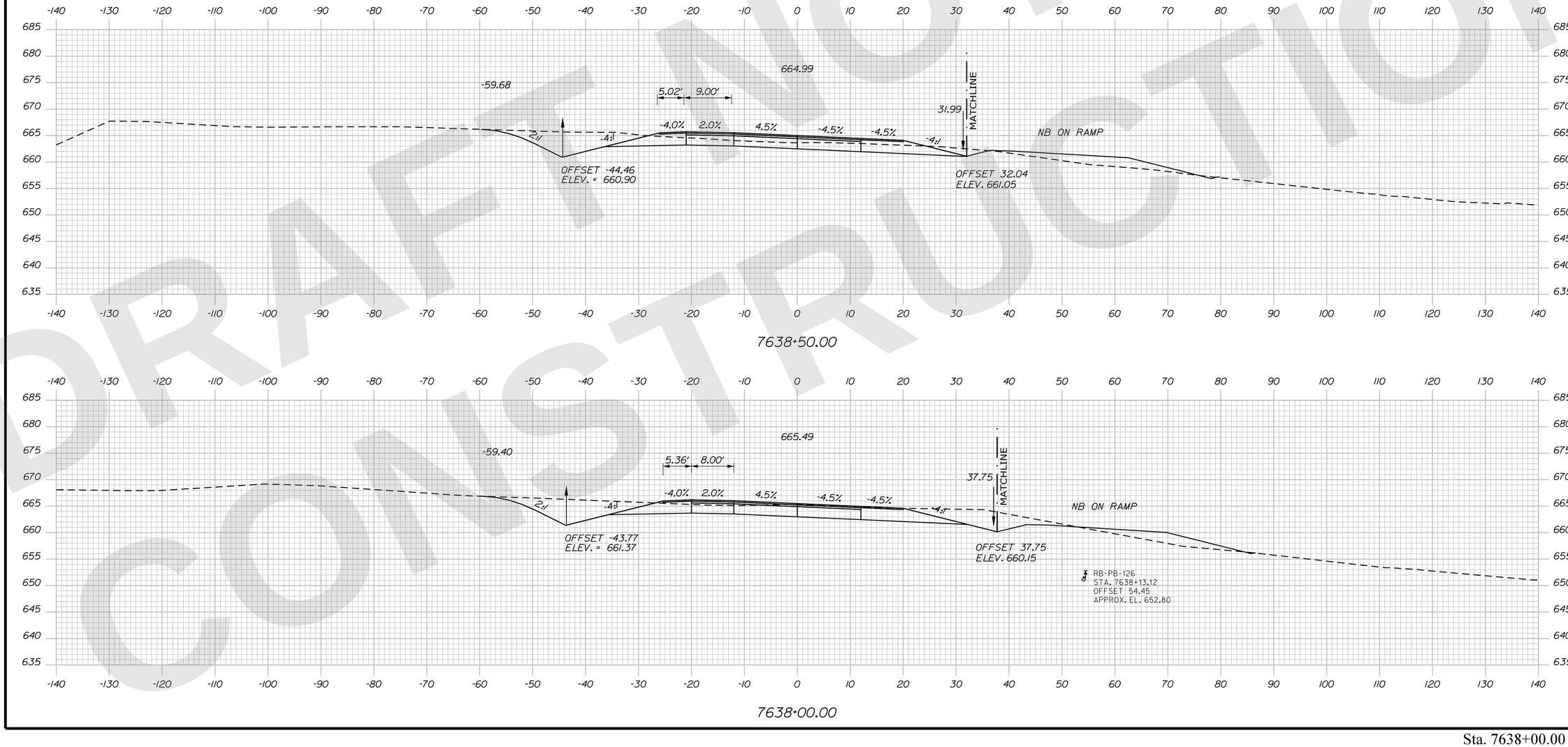


STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 6462.92

HIGHWAY PLANS

vhb

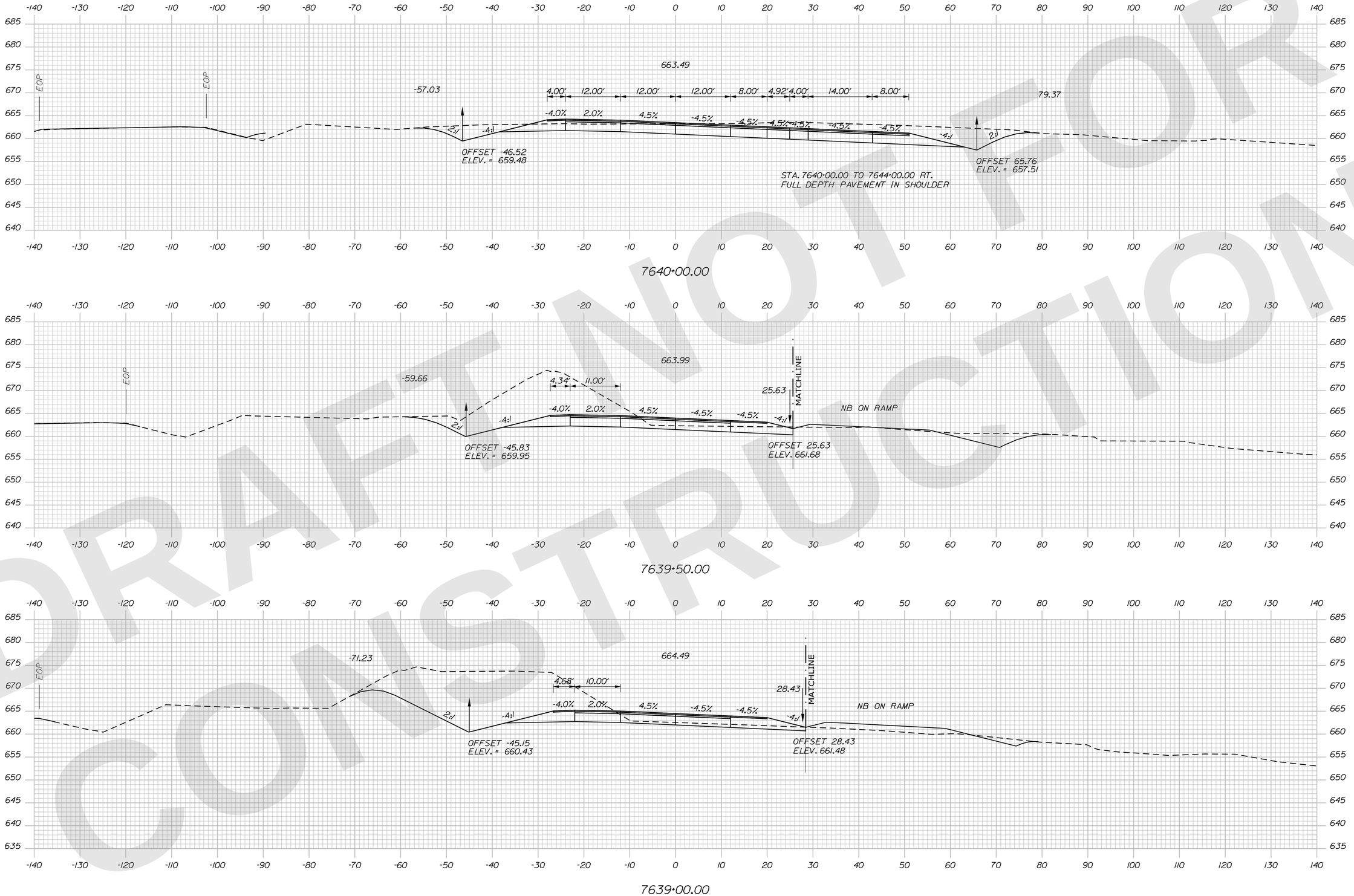
	BY	DATE
PROJ. MANAGER	R.M.	
DESIGN-DETAILED	ZBW	9/2/2025
CHECKED-REVIEWED	JBD	9/2/2025
DESIGN2-DETAILED2	EOF	
DESIGN3-DETAILED3	AG	
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

PRESQUE ISLE
PRESQUE ISLE BYPASS

CROSS SECTIONS

SHEET NUMBER
H-332
436
OF 747

Sta. 7638+00.00 to Sta. 7638+50.00



Sta. 7639+00.00 to Sta. 7640+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN
6462.92

HIGHWAY PLANS

vhb

	R.M.	BY	DATE
PROJ. MANAGER			
DESIGN-DETAILED	ZBW	JBD	9/2/2025
CHECKED-REVIEWED		EOF	9/2/2025
DESIGN2-DETAILED2		AG	
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

PRESQUE ISLE
PRESQUE ISLE BYPASS

CROSS SECTIONS

SHEET NUMBER
H-333
437
OF 747

Filename: ...\H5_01_Xsects_PI_BYPASS.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025

DRAFT NOT FOR CONSTRUCTION

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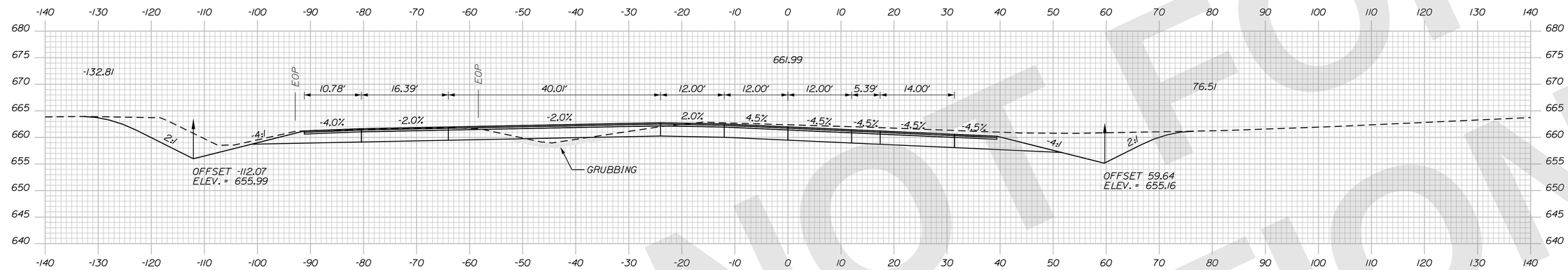
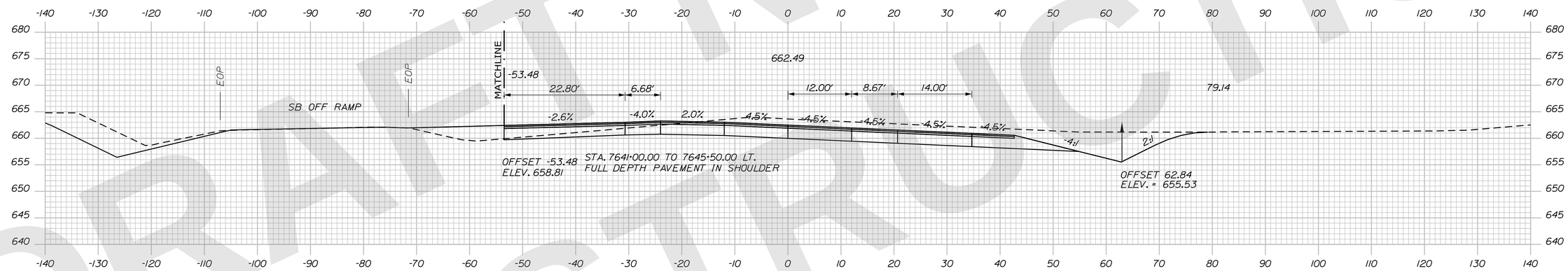
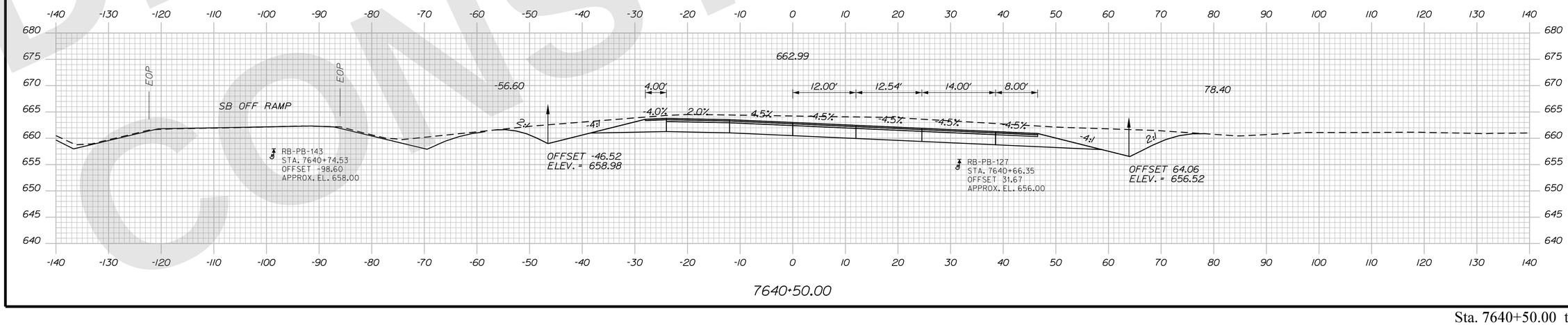






Sta. 7640+50.00 to Sta. 7641+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 6462.92

HIGHWAY PLANS

vhb

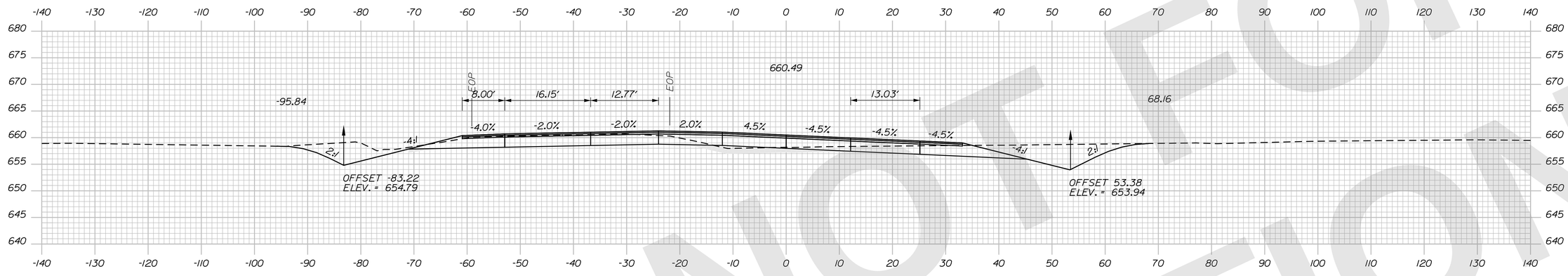
	R.M.	BY	DATE
PROJ. MANAGER			
DESIGN-DETAILED	ZBW	JBD	9/2/2025
CHECKED-REVIEWED	ECF	AG	9/2/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

PRESQUE ISLE
PRESQUE ISLE BYPASS

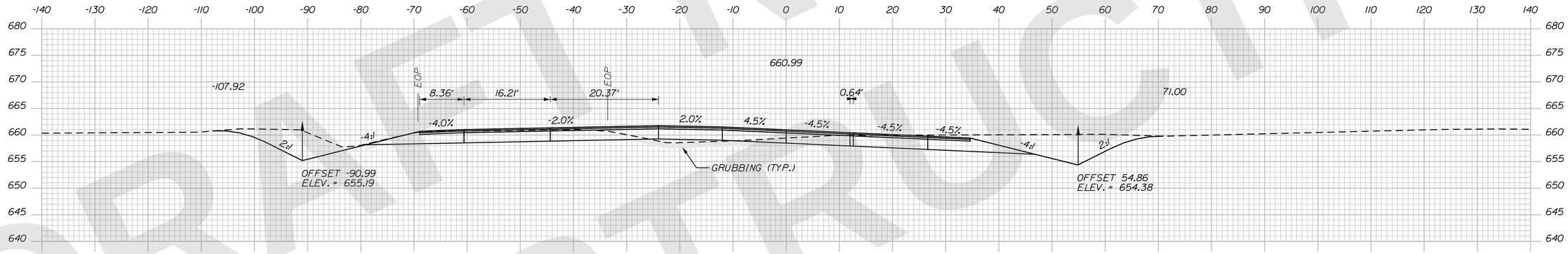
CROSS SECTIONS

SHEET NUMBER
H-334
438
OF 747

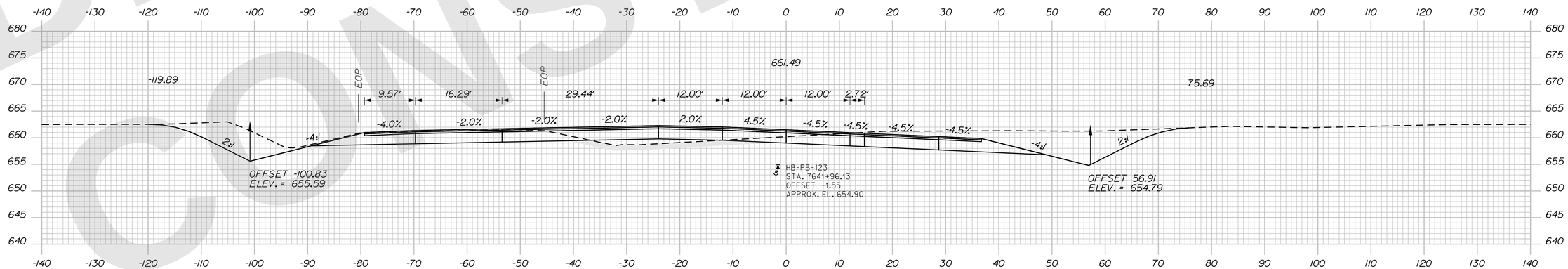
Filename: ...\H5_01_Xsects_PI_BYPASS.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025



7643+00.00



7642+50.00



7642+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN
6462.92

HIGHWAY PLANS

vhb

	R.M.	BY	DATE
PROJ. MANAGER	R.M.		
DESIGN-DETAILED	ZBW	JBD	9/2/2025
CHECKED-REVIEWED	ECF	AG	9/2/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

PRESQUE ISLE
PRESQUE ISLE BYPASS

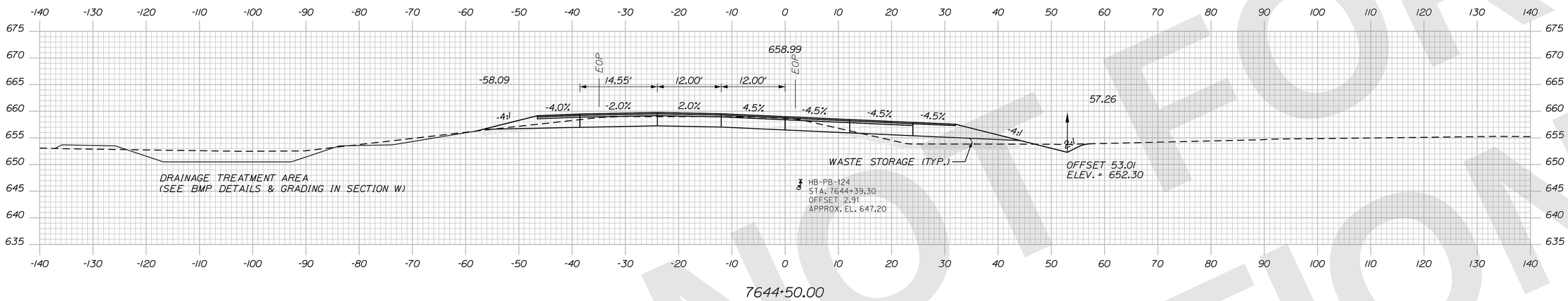
CROSS SECTIONS

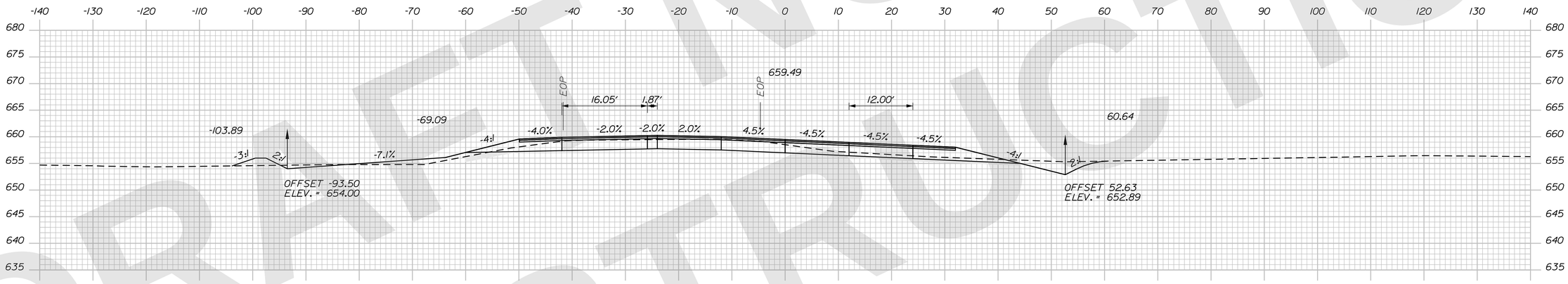
SHEET NUMBER
H-335
439
OF 747

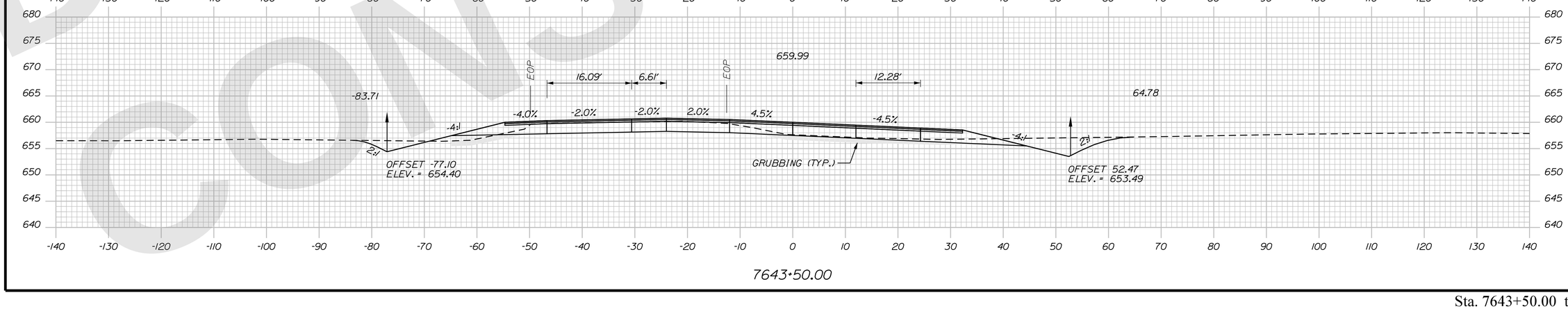
Sta. 7642+00.00 to Sta. 7643+00.00

DRAFT NOT FOR CONSTRUCTION

Filename: ...\H5_01_Xsects_PL_BYPASS.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025







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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN
6462.92

HIGHWAY PLANS

vhb

PROJ. MANAGER	R.M.	BY	DATE
DESIGN-DETAILED	ZBW	JBD	9/2/2025
CHECKED-REVIEWED	ECF	AG	9/2/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

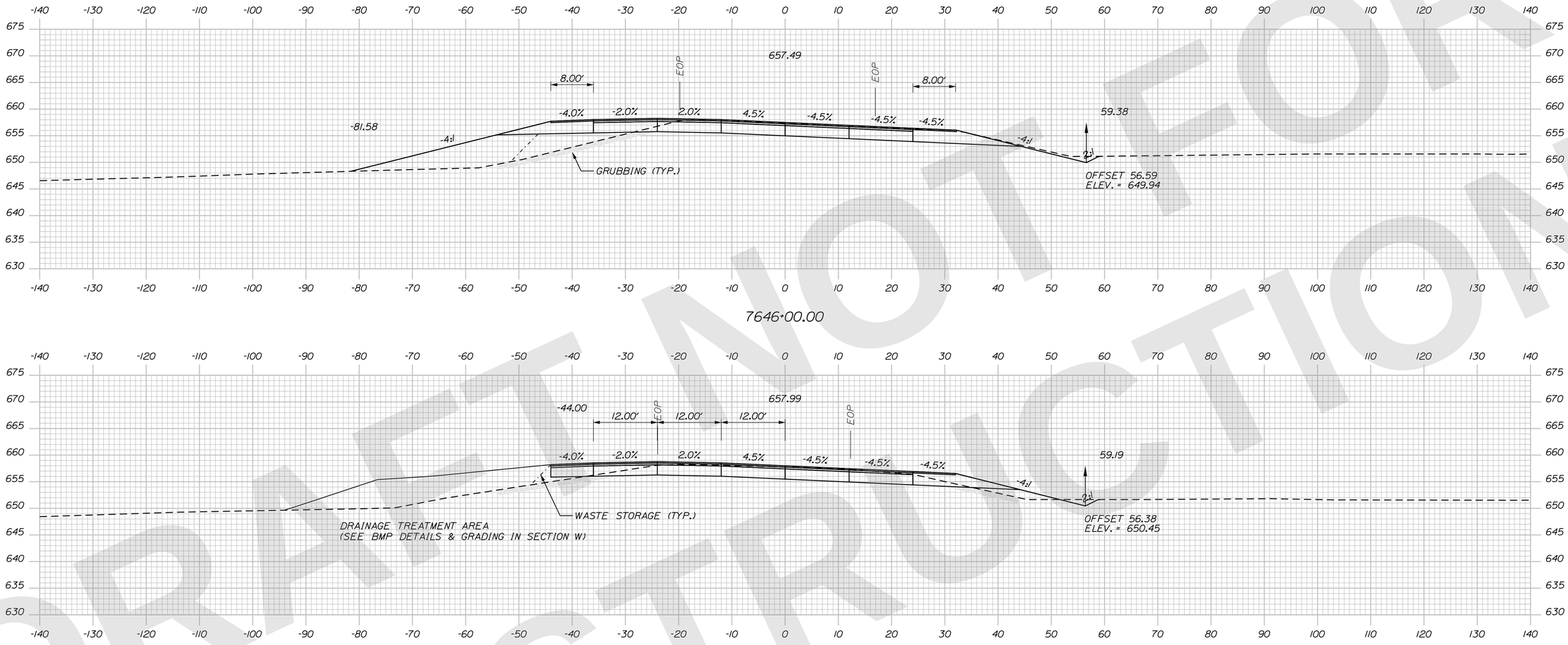
PRESQUE ISLE
PRESQUE ISLE BYPASS

CROSS SECTIONS

SHEET NUMBER
H-336
440
OF 747

Sta. 7643+50.00 to Sta. 7644+50.00

Filename: ...\H5_01_Xsects_PI_BYPASS.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025



Sta. 7645+00.00 to Sta. 7646+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN
6462.92

HIGHWAY PLANS

vhb

	BY	DATE
R.M.		
PROJ. MANAGER	ZBW	
DESIGN-DETAILED	JBD	9/2/2025
CHECKED-REVIEWED	EOF	9/2/2025
DESIGN2-DETAILED2	AG	
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

PRESQUE ISLE
PRESQUE ISLE BYPASS

CROSS SECTIONS

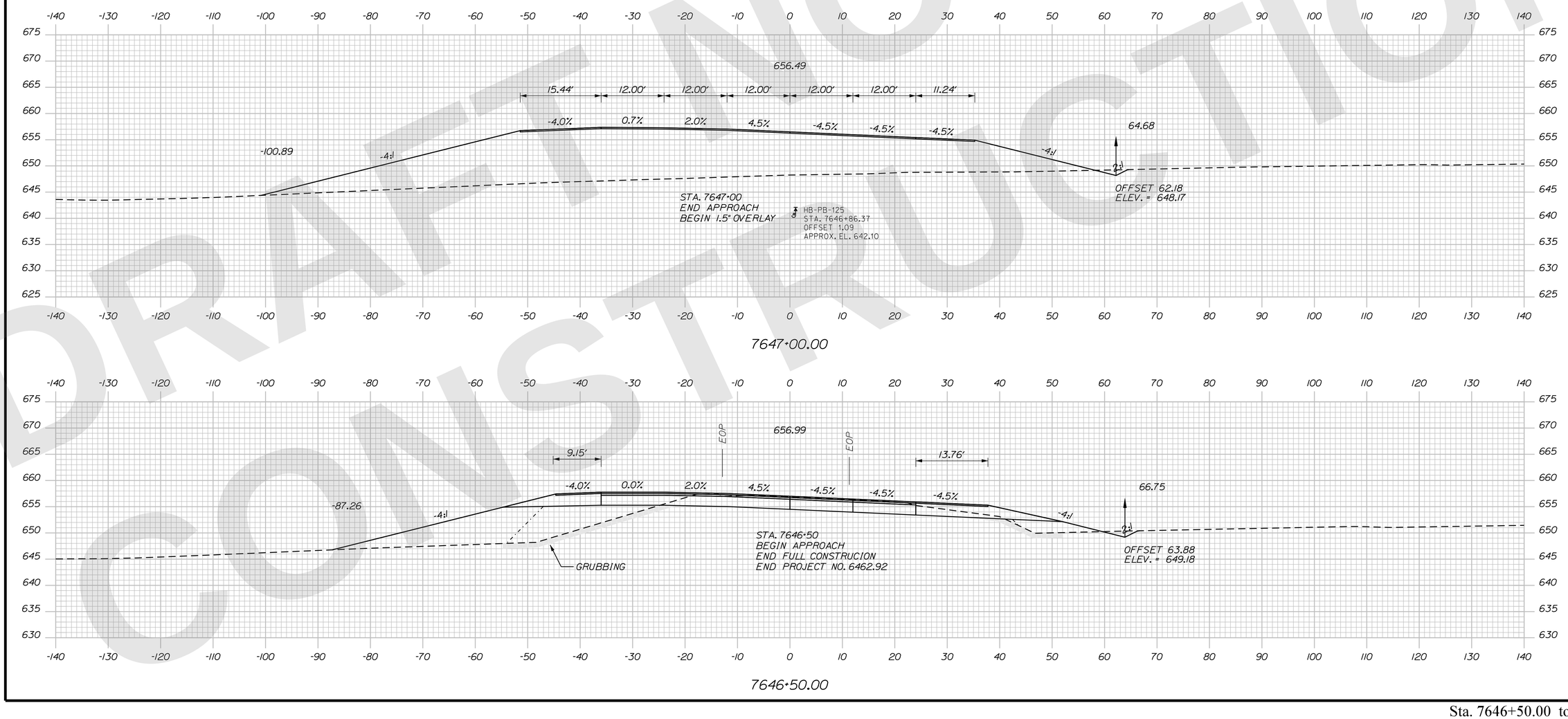
SHEET NUMBER
H-337
441
OF 747

Filename: ...\H5_01_Xsects_PI_BYPASS.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025

DRAFT NOT FOR CONSTRUCTION

Filename: ...\H5_01_Xsects_PI_BYPASS.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025

DRAFT NOT FOR CONSTRUCTION



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 6462.92

HIGHWAY PLANS

PROJ. MANAGER	R.M.	BY	DATE
DESIGN-DETAILED	ZBW	JBD	9/2/2025
CHECKED-REVIEWED	ECF	AG	9/2/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

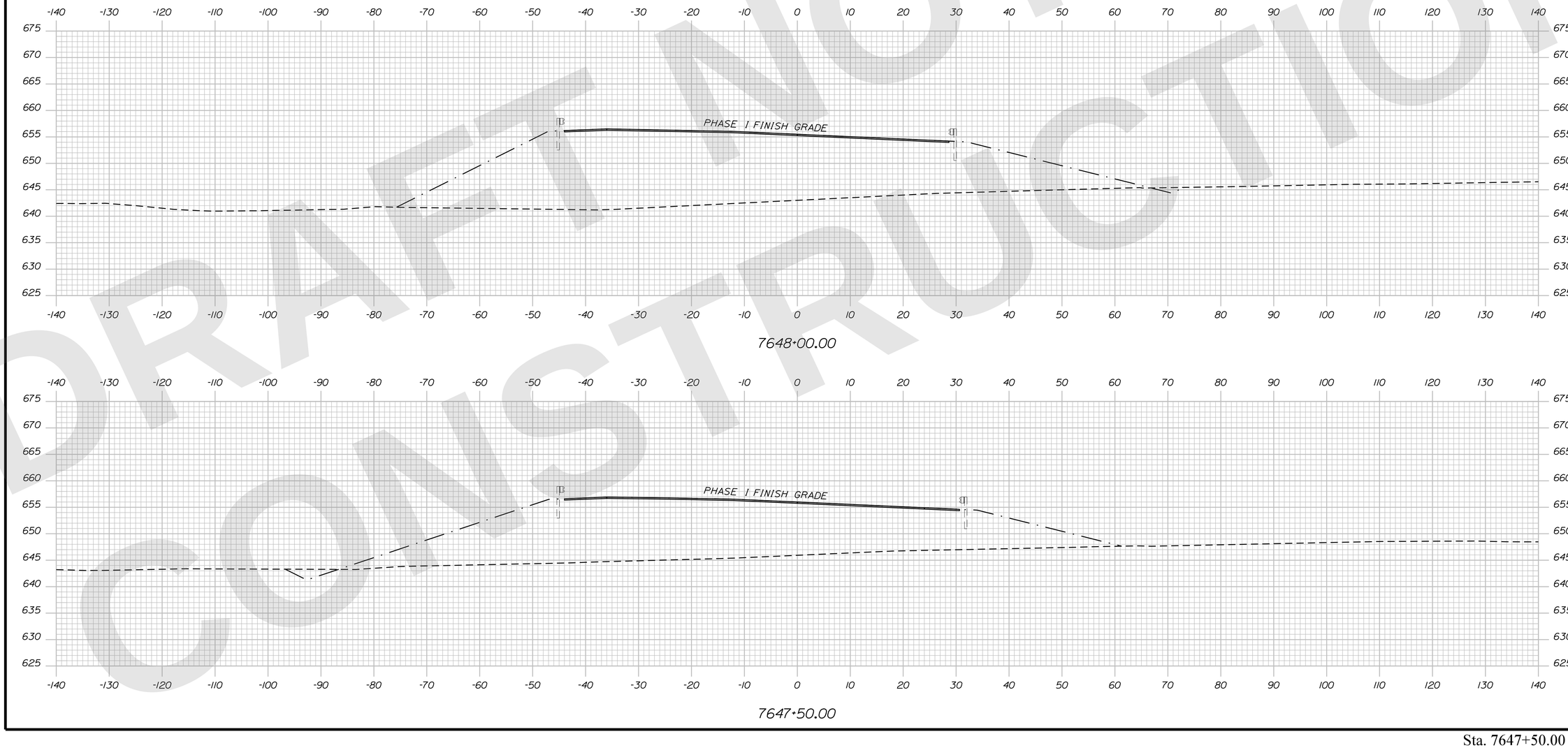
PRESQUE ISLE
PRESQUE ISLE BYPASS

CROSS SECTIONS

SHEET NUMBER
H-338
442
OF 747

Sta. 7646+50.00 to Sta. 7647+00.00

Filename: ...\H5_01_Xsects_PI_BYPASS.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025



DRAFT NOT FOR CONSTRUCTION

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 6462.92

HIGHWAY PLANS

vhb

	R.M.	BY	DATE
PROJ. MANAGER			
DESIGN-DETAILED	ZBW	JBD	9/2/2025
CHECKED-REVIEWED	ECF	AG	9/2/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

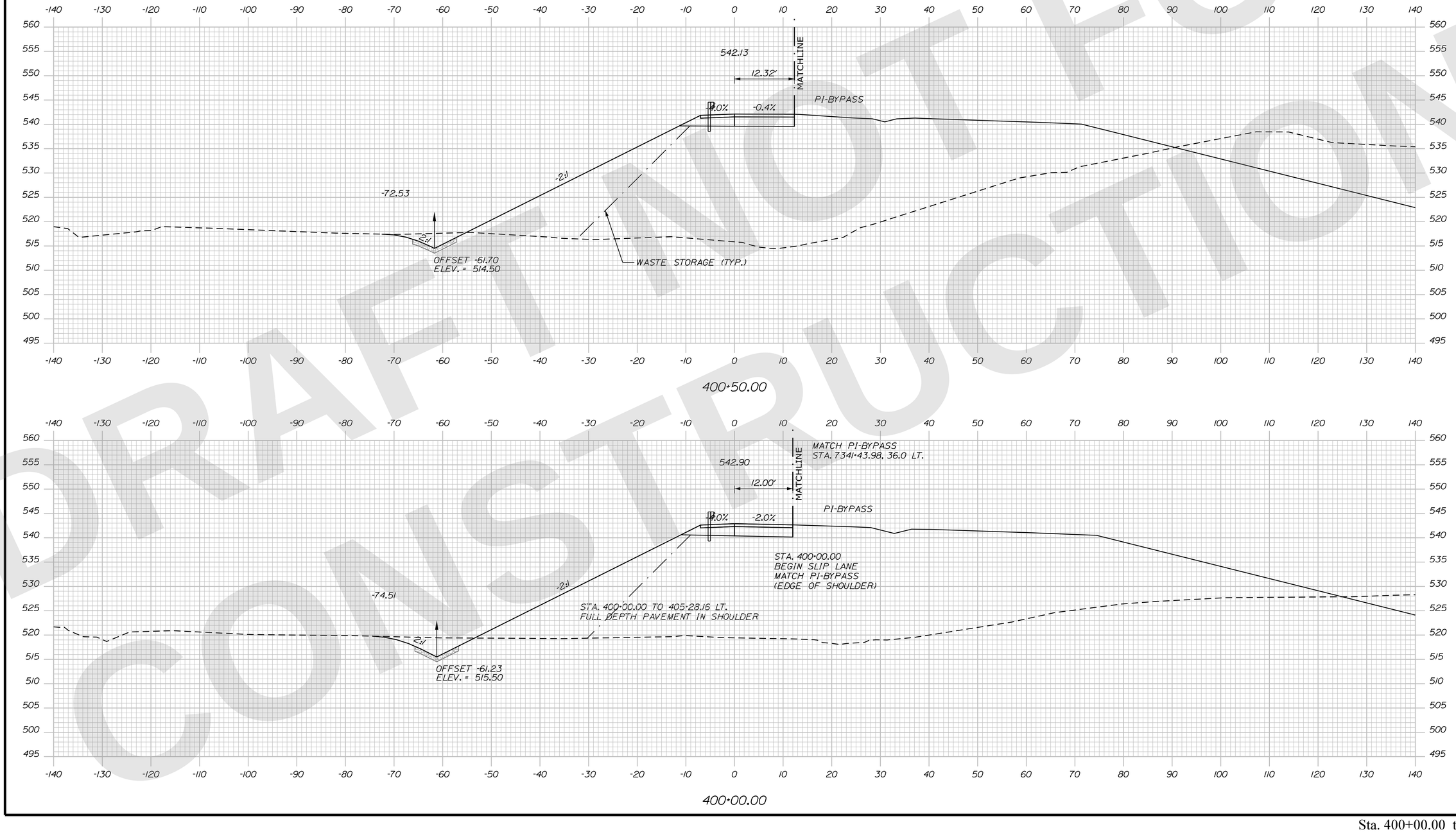
PRESQUE ISLE
PRESQUE ISLE BYPASS

CROSS SECTIONS

SHEET NUMBER
H-339
443
OF 747

Sta. 7647+50.00 to Sta. 7648+00.00

DRAFT NOT FOR CONSTRUCTION



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 6462.92

HIGHWAY PLANS

vhb

PROJ. MANAGER	R.M.		
DESIGN-DETAILED	ZBW	JBD	9/2/2025
CHECKED-REVIEWED	ECF	AG	9/2/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

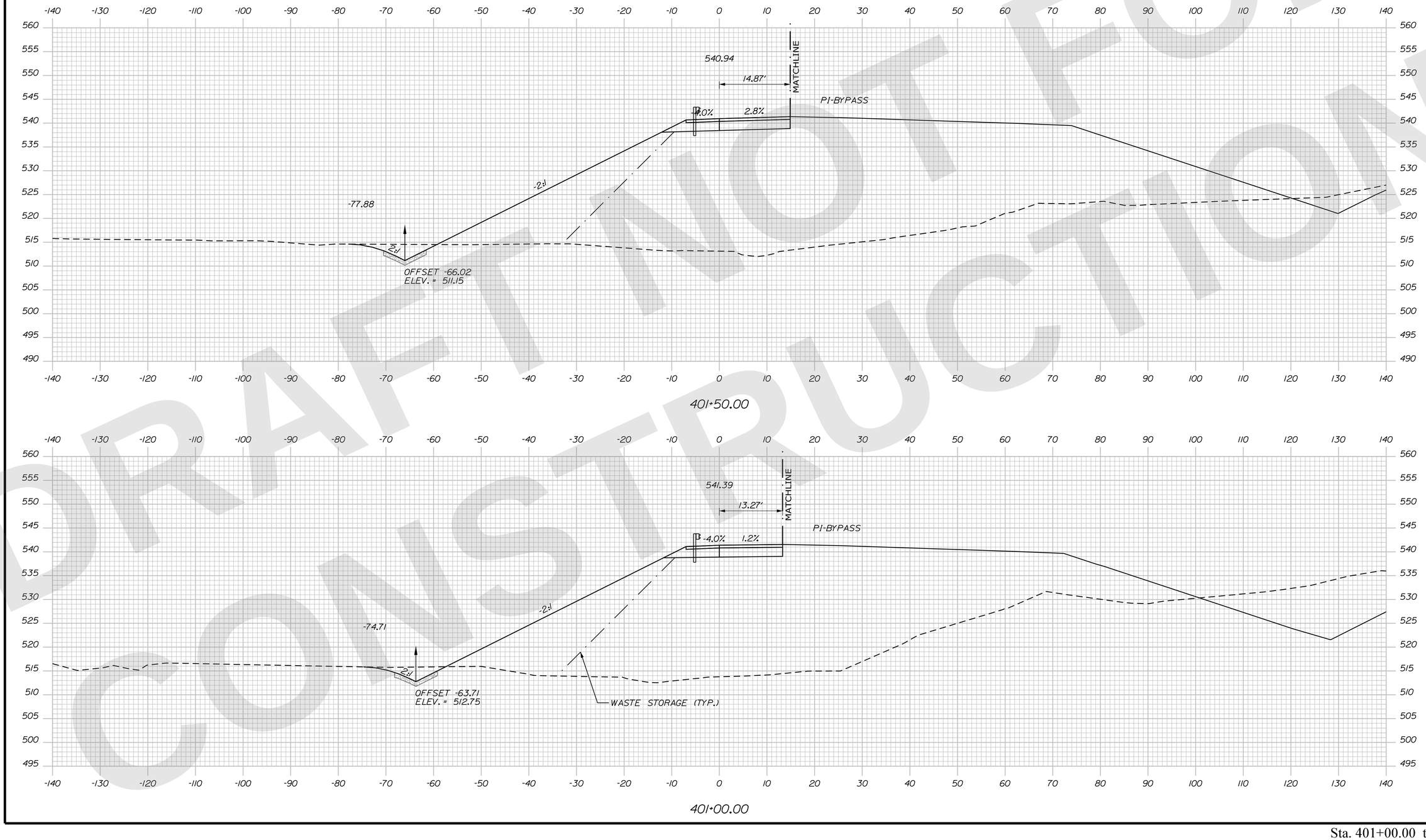
PRESQUE ISLE
SLIP LANE

CROSS SECTIONS

SHEET NUMBER
H-340
444
OF 747

Filename: ...\H5_05_Xsects_SlipLane.dgn Username: jamesdavis Division: HIGHWAY Date:9/2/2025

Sta. 400+00.00 to Sta. 400+50.00



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 6462.92

HIGHWAY PLANS

vhb

	R.M.	BY	DATE
PROJ. MANAGER			
DESIGN-DETAILED	ZBW	JBD	9/2/2025
CHECKED-REVIEWED	ECF	AG	9/2/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

PRESQUE ISLE
SLIP LANE

CROSS SECTIONS

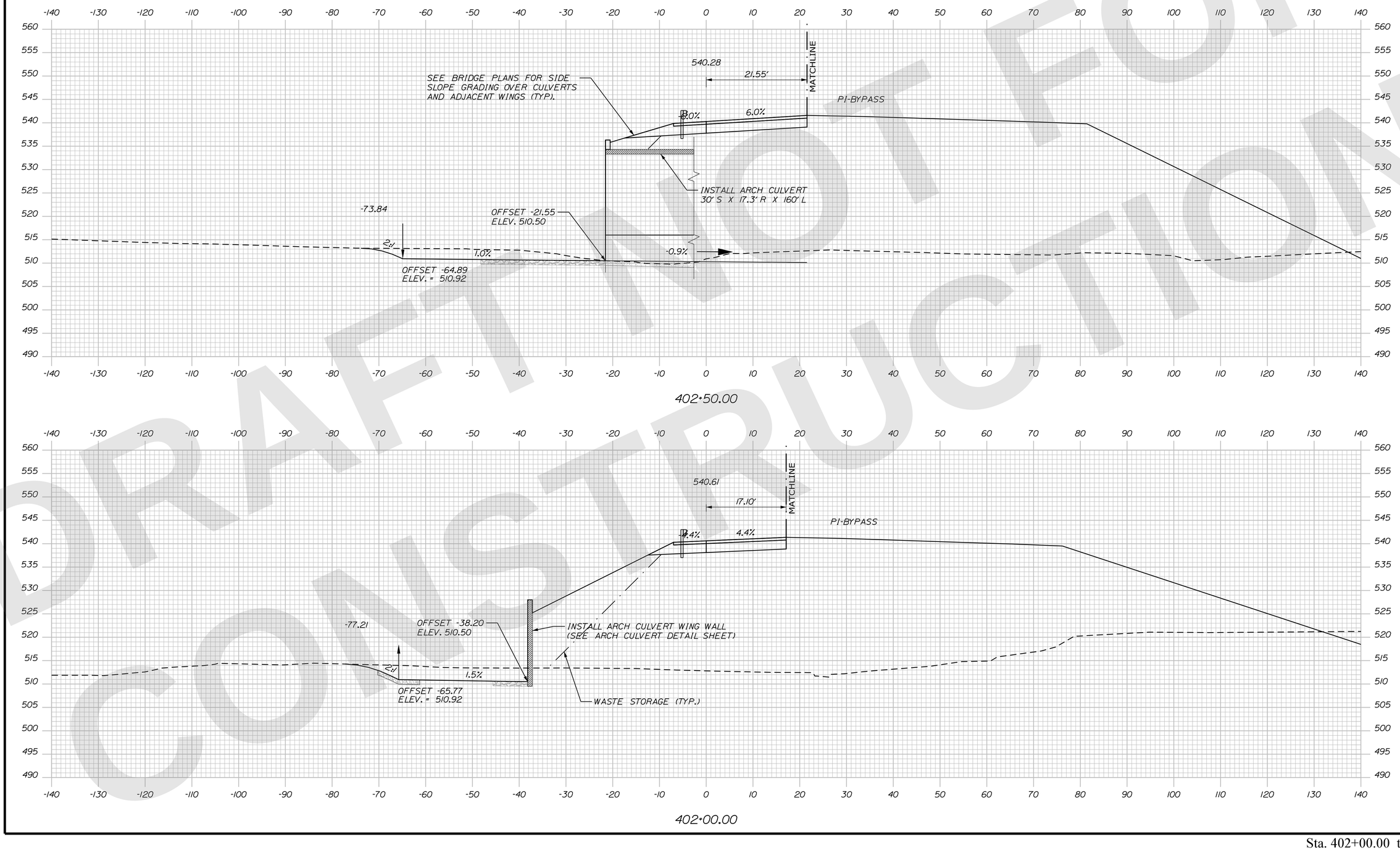
SHEET NUMBER
H-341
445
OF 747

Sta. 401+00.00 to Sta. 401+50.00

Filename: ...\H5_05_Xsects_SlipLane.dgn Username: jamesdavis Division: HIGHWAY Date:9/2/2025

DRAFT NOT FOR CONSTRUCTION

Filename: ...\H5_05_Xsects_SlipLane.dgn Username: jamesdavis Division: HIGHWAY Date:9/2/2025



DRAFT NOT FOR CONSTRUCTION

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 6462.92

HIGHWAY PLANS

vhb

	R.M.	BY	DATE
PROJ. MANAGER			
DESIGN-DETAILED	ZBW	JBD	9/2/2025
CHECKED-REVIEWED	ECF	AG	9/2/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

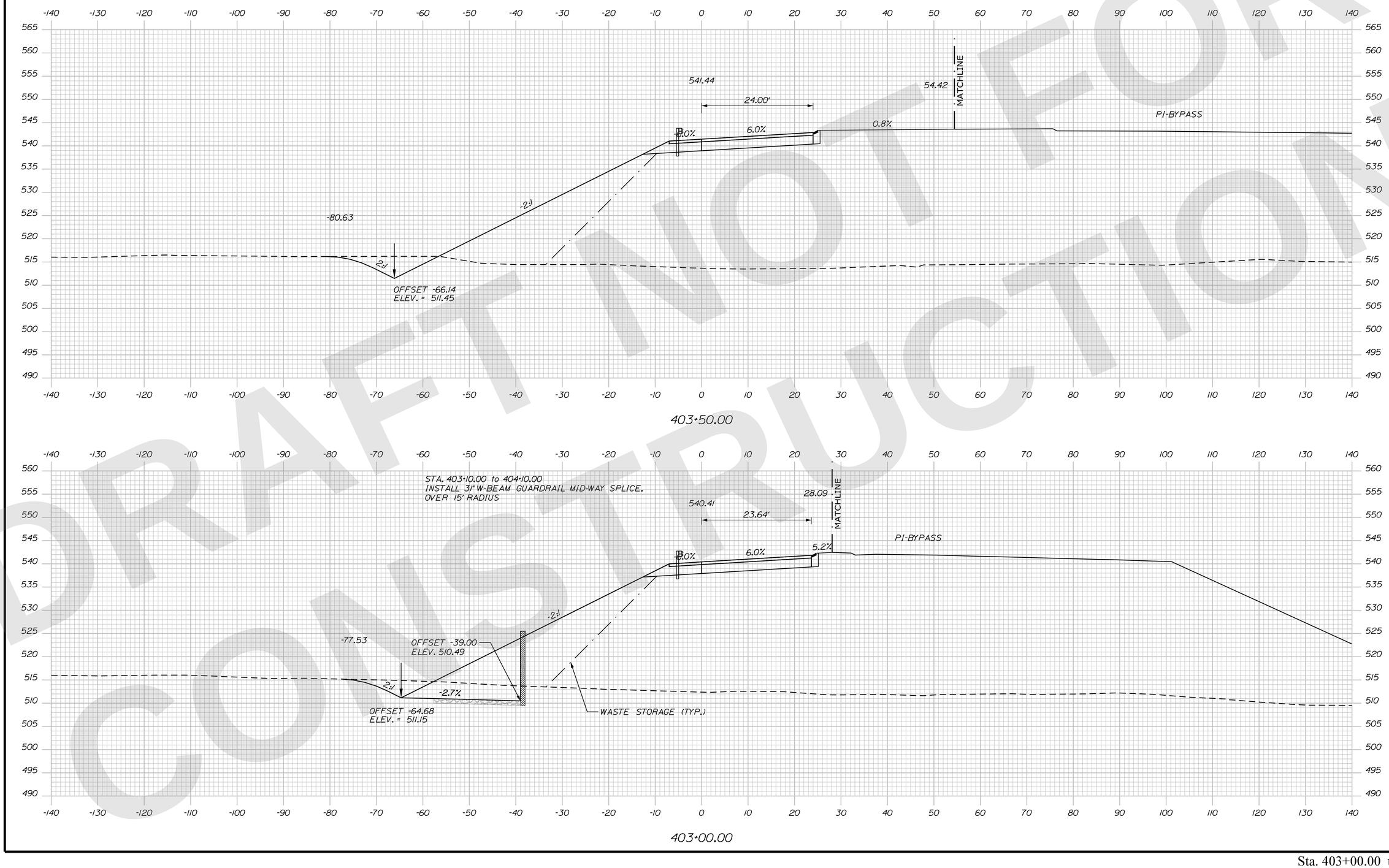
PRESQUE ISLE
SLIP LANE

CROSS SECTIONS

SHEET NUMBER
H-342
446
OF 747

Sta. 402+00.00 to Sta. 402+50.00

DRAFT NOT FOR CONSTRUCTION



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 6462.92

HIGHWAY PLANS

vhb

	R.M.	BY	DATE
PROJ. MANAGER			
DESIGN-DETAILED	ZBW	JBD	9/2/2025
CHECKED-REVIEWED	ECF	AG	9/2/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

PRESQUE ISLE
SLIP LANE

CROSS SECTIONS

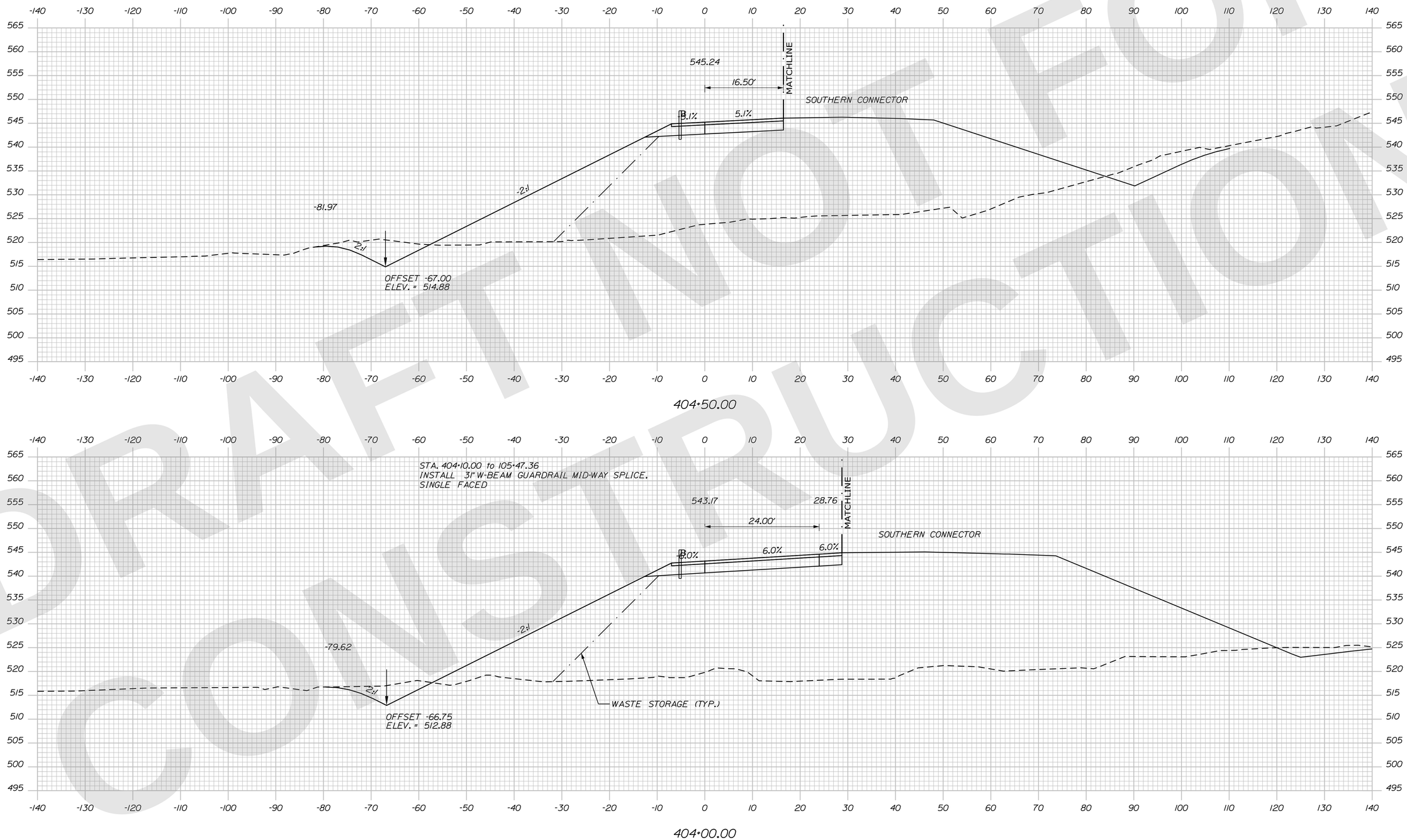
SHEET NUMBER
H-343
447
OF 747

Sta. 403+00.00 to Sta. 403+50.00

Filename: ...\H5_05_Xsects_SlipLane.dgn Username: jamesdavis Division: HIGHWAY Date:9/2/2025

Filename: ...\H5_05_Xsects_SlipLane.dgn Username: jamesdavis Division: HIGHWAY Date:9/2/2025

DRAFT NOT FOR CONSTRUCTION



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 6462.92

HIGHWAY PLANS

vhb

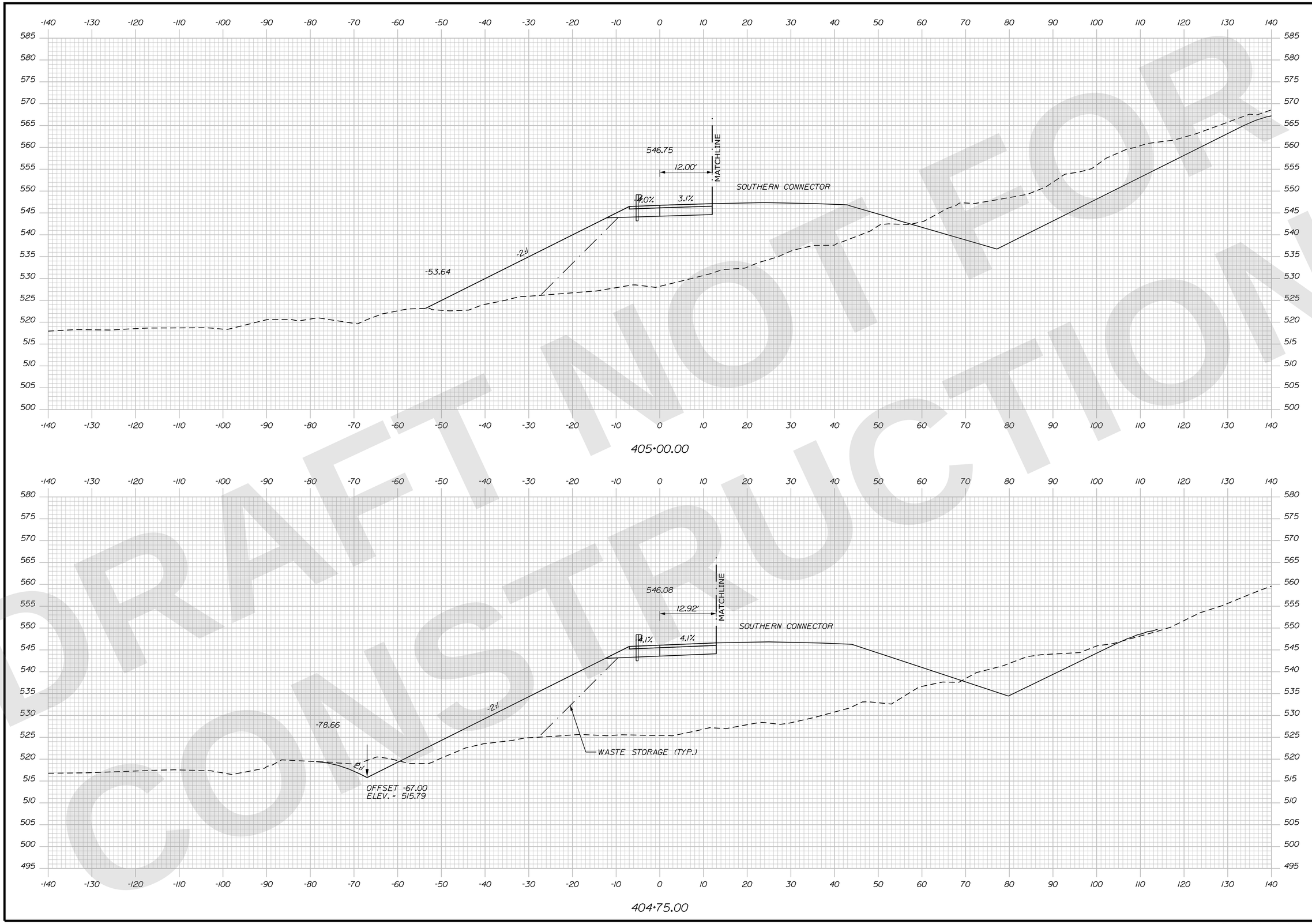
	R.M.	BY	DATE
PROJ. MANAGER			
DESIGN-DETAILED	ZBW	JBD	9/2/2025
CHECKED-REVIEWED	ECF	AG	9/2/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

PRESQUE ISLE
SLIP LANE

CROSS SECTIONS

SHEET NUMBER
H-344
448
OF 747

Sta. 404+00.00 to Sta. 404+50.00



PREFINAL NOT FOR CONSTRUCTION

Username: jamesdavis Date:9/2/2025

Division: HIGHWAY

Filename: ...\H5_05_Xsects_SlipLane.dgn

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 6462.92

HIGHWAY PLANS

vhb

	BY	DATE
PROJ. MANAGER	R.M.	
DESIGN-DETAILED	JBD	9/2/2025
CHECKED-REVIEWED	ZBW	
DESIGN2-DETAILED2	EOF	9/2/2025
DESIGN3-DETAILED3	AG	
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

PRESQUE ISLE
SLIP LANE

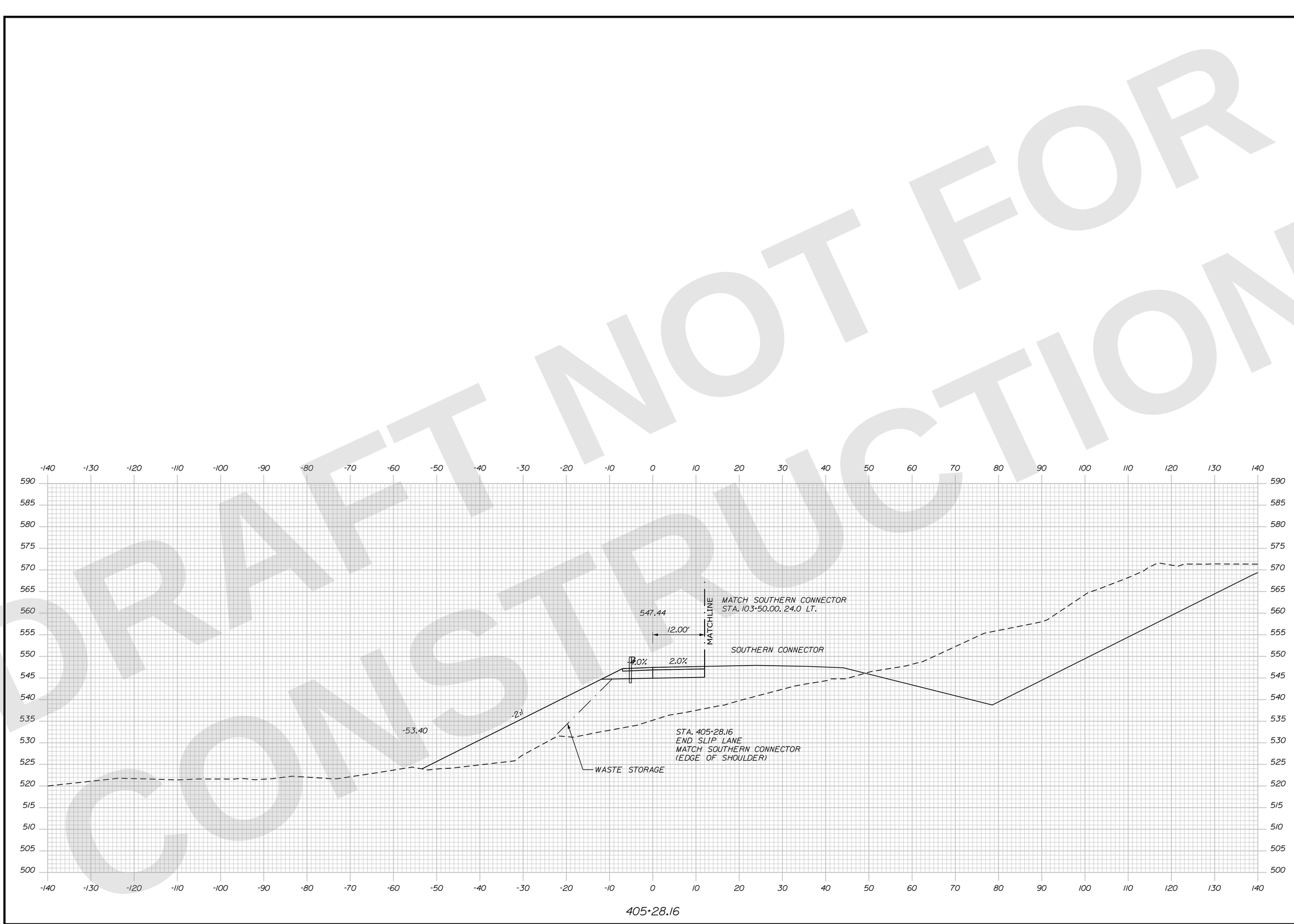
CROSS SECTIONS

SHEET NUMBER
H-345
449
OF 747

Sta. 404+75.00 to Sta. 405+00.00

Filename: ...\H5_05_Xsects_SlipLane.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025

DRAFT NOT FOR CONSTRUCTION



R.M.	BY	DATE
	JBD	9/2/2025
	AG	9/2/2025

PROJ. MANAGER	
DESIGN-DETAILED	ZBW
CHECKED-REVIEWED	ECF
DESIGN2-DETAILED2	
DESIGN3-DETAILED3	
REVISIONS 1	
REVISIONS 2	
REVISIONS 3	
REVISIONS 4	
FIELD CHANGES	

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN
6462.92

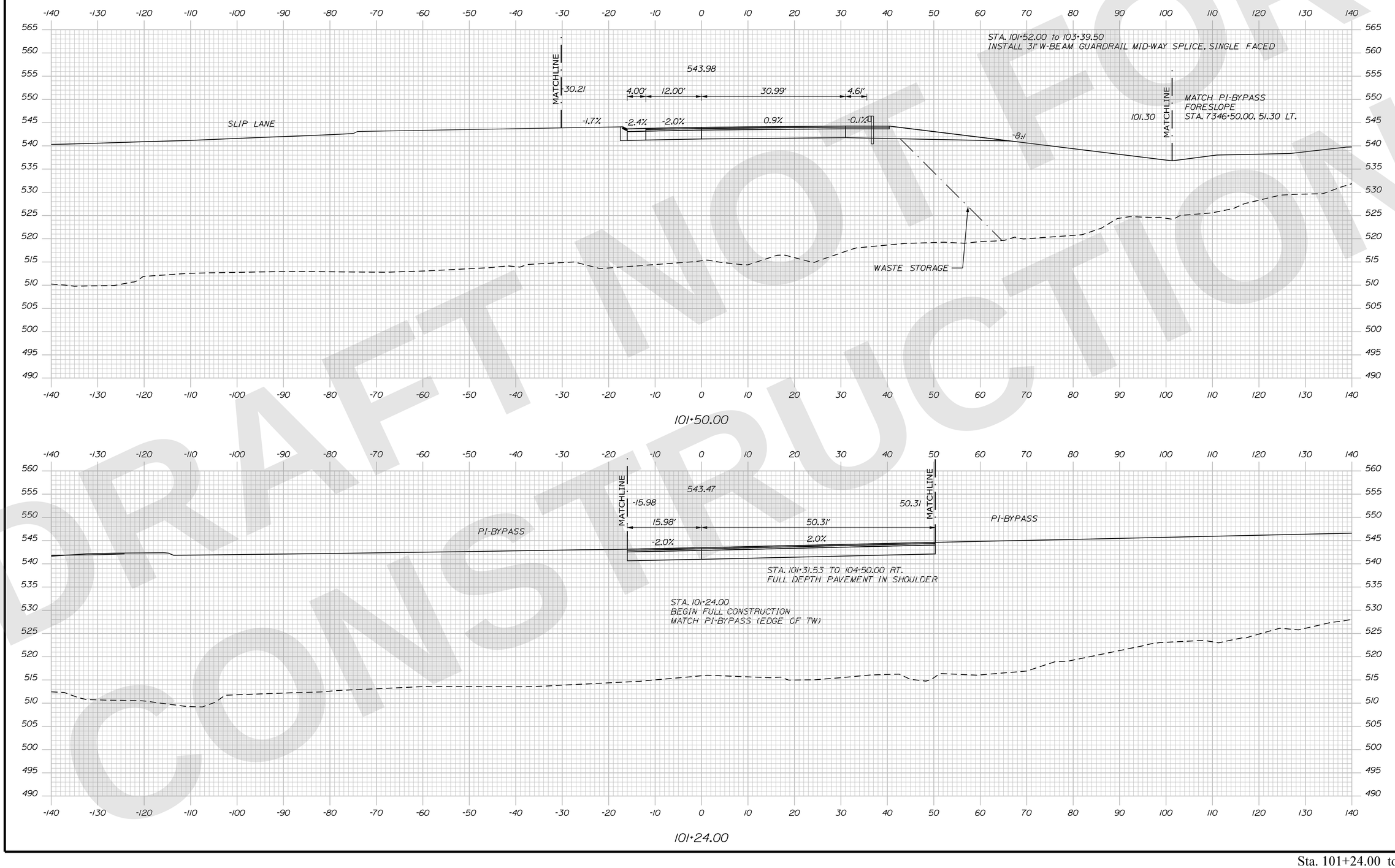
HIGHWAY PLANS

PRESQUE ISLE
SLIP LANE

CROSS SECTIONS

SHEET NUMBER
H-346
450
OF 747

Sta. 405+28.16 to Sta. 405+28.16



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Filename: ...\H5_03_SouthernConnector.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN
6462.92

HIGHWAY PLANS

vhb

	R.M.	BY	DATE
PROJ. MANAGER			
DESIGN-DETAILED	ZBW	JBD	9/2/2025
CHECKED-REVIEWED	ECF	AG	9/2/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

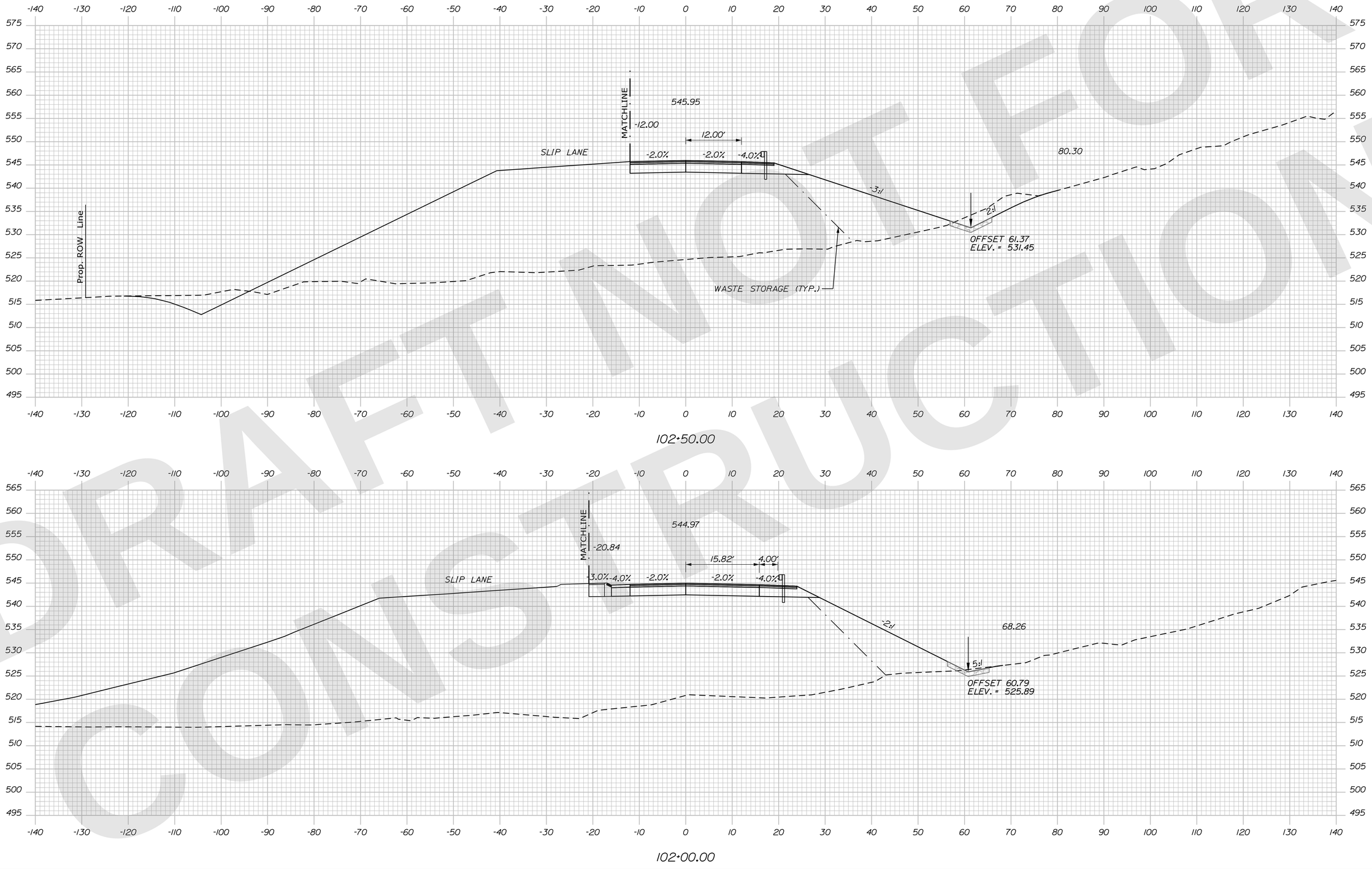
PRESQUE ISLE
SOUTHERN CONNECTOR

CROSS SECTIONS

SHEET NUMBER
H-347
451
OF 747

Sta. 101+24.00 to Sta. 101+50.00

DRAFT NOT FOR CONSTRUCTION



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 6462.92

HIGHWAY PLANS

vhb

PROJ. MANAGER	R.M.		
DESIGN-DETAILED	ZBW	JBD	9/2/2025
CHECKED-REVIEWED	ECF	AG	9/2/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

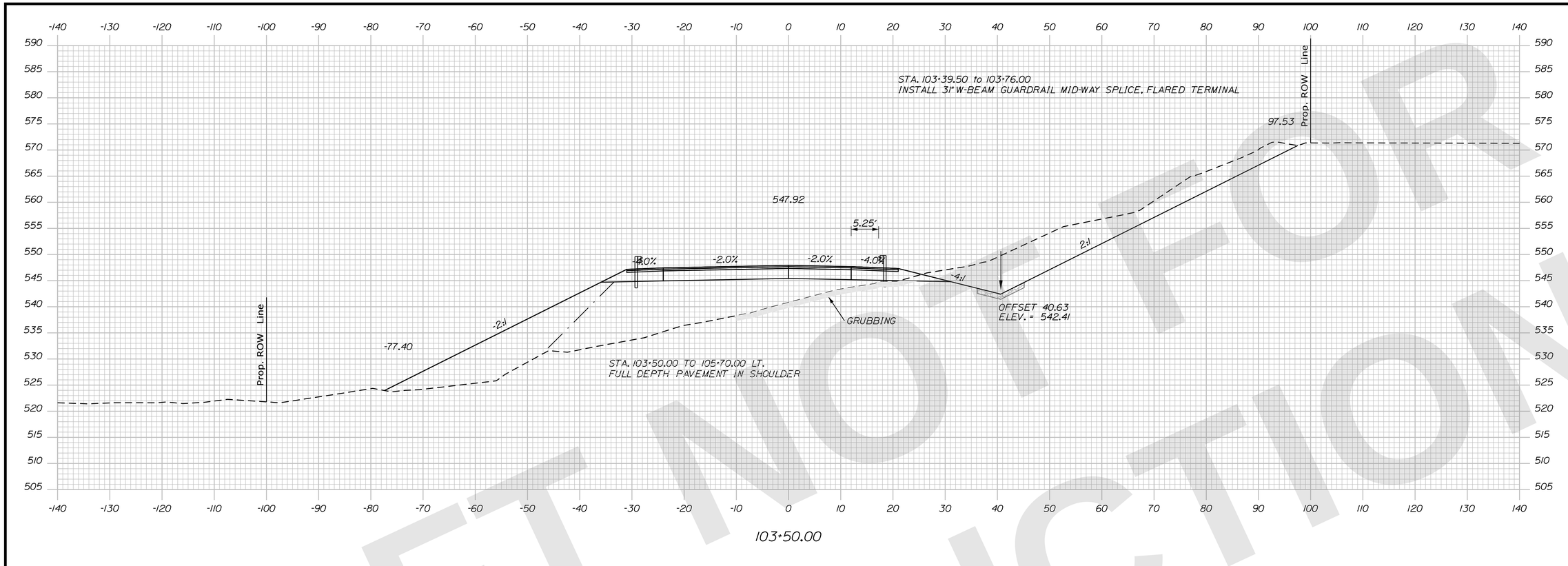
PRESQUE ISLE
SOUTHERN CONNECTOR

CROSS SECTIONS

SHEET NUMBER
H-348
452
OF 747

Sta. 102+00.00 to Sta. 102+50.00

Filename: ...\H5_03_SouthernConnector.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 6462.92

HIGHWAY PLANS

vhb

PROJ. MANAGER	R.M.	DATE
DESIGN-DETAILED	ZBW	JBD 9/2/2025
CHECKED-REVIEWED	ECF	AG 9/2/2025
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

PRESQUE ISLE
SOUTHERN CONNECTOR

CROSS SECTIONS

SHEET NUMBER
H-349
453
OF 747

Sta. 103+00.00 to Sta. 103+50.00

PREFIX NOT FOR CONSTRUCTION

Username: jamesdavis Date:9/2/2025
Division: HIGHWAY
Filename: ...\H5_03_SouthernConnector.dgn

Filename: ...\H5_03_SouthernConnector.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025

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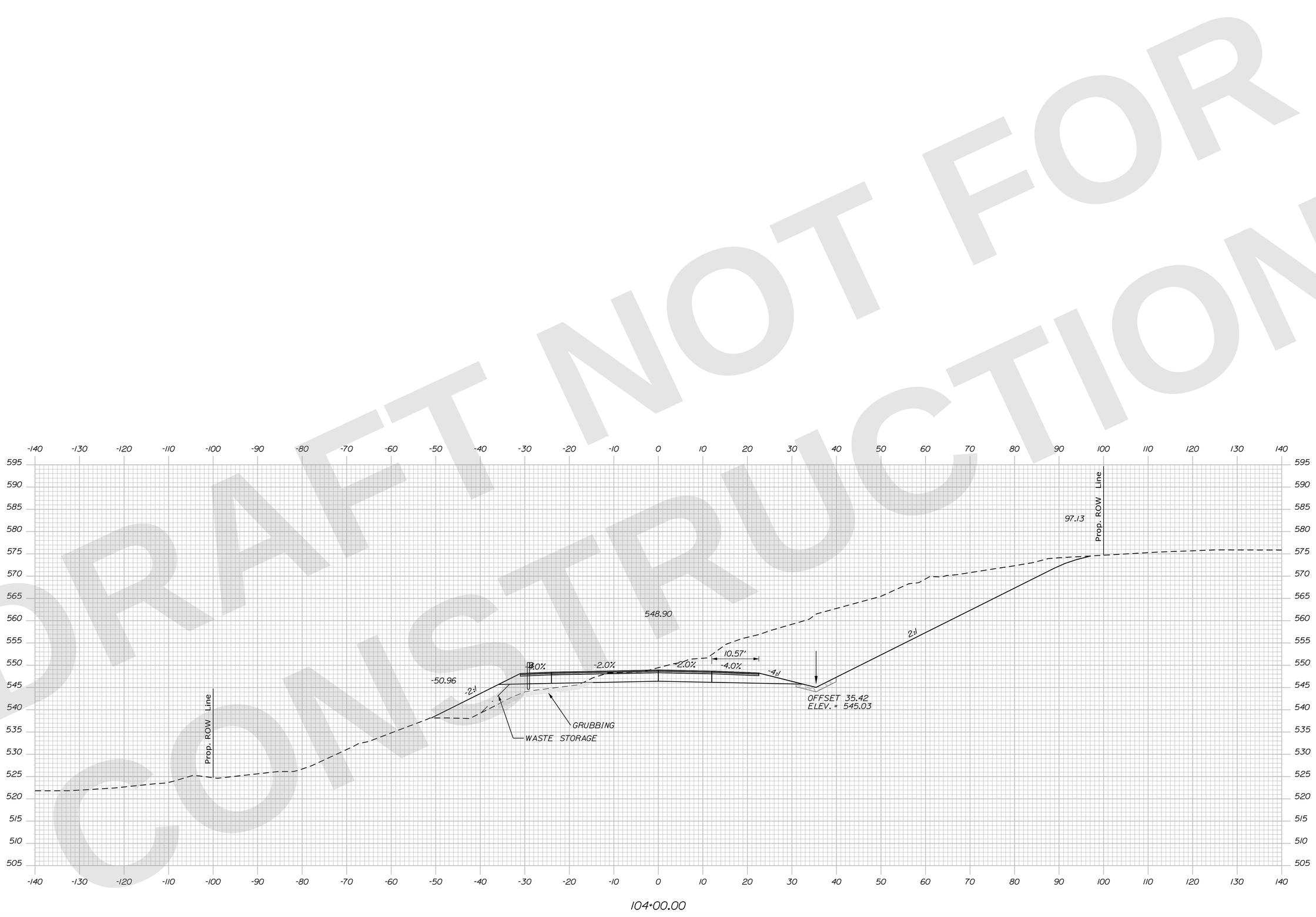


PROJ. MANAGER		R.M.	BY	DATE
DESIGN-DETAILED	ZBW		JBD	9/2/2025
CHECKED-REVIEWED	ECF		AG	9/2/2025
DESIGN2-DETAILED2				
DESIGN3-DETAILED3				
REVISIONS 1				
REVISIONS 2				
REVISIONS 3				
REVISIONS 4				
FIELD CHANGES				

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN
6462.92

HIGHWAY PLANS

PRESQUE ISLE
SOUTHERN CONNECTOR

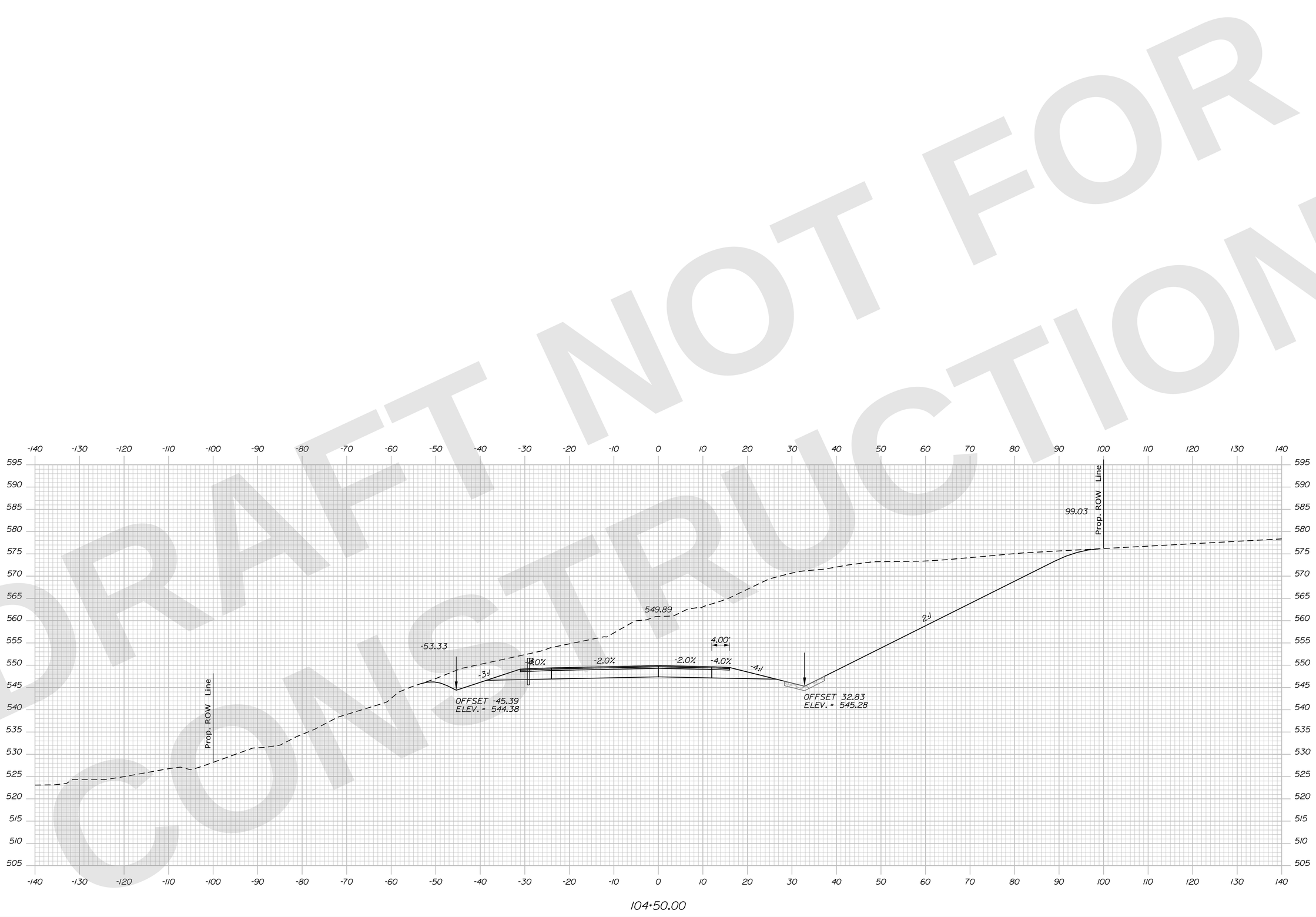
CROSS SECTIONS

SHEET NUMBER
H-350
454
OF 747

Sta. 104+00.00 to Sta. 104+00.00

Filename: ...\H5_03_SouthernConnector.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025

DRAFT NOT FOR CONSTRUCTION



PROJ. MANAGER	R.M.	BY	DATE
DESIGN-DETAILED	ZBW	JBD	9/2/2025
CHECKED-REVIEWED	ECF	AG	9/2/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN
6462.92

HIGHWAY PLANS

PRESQUE ISLE
SOUTHERN CONNECTOR

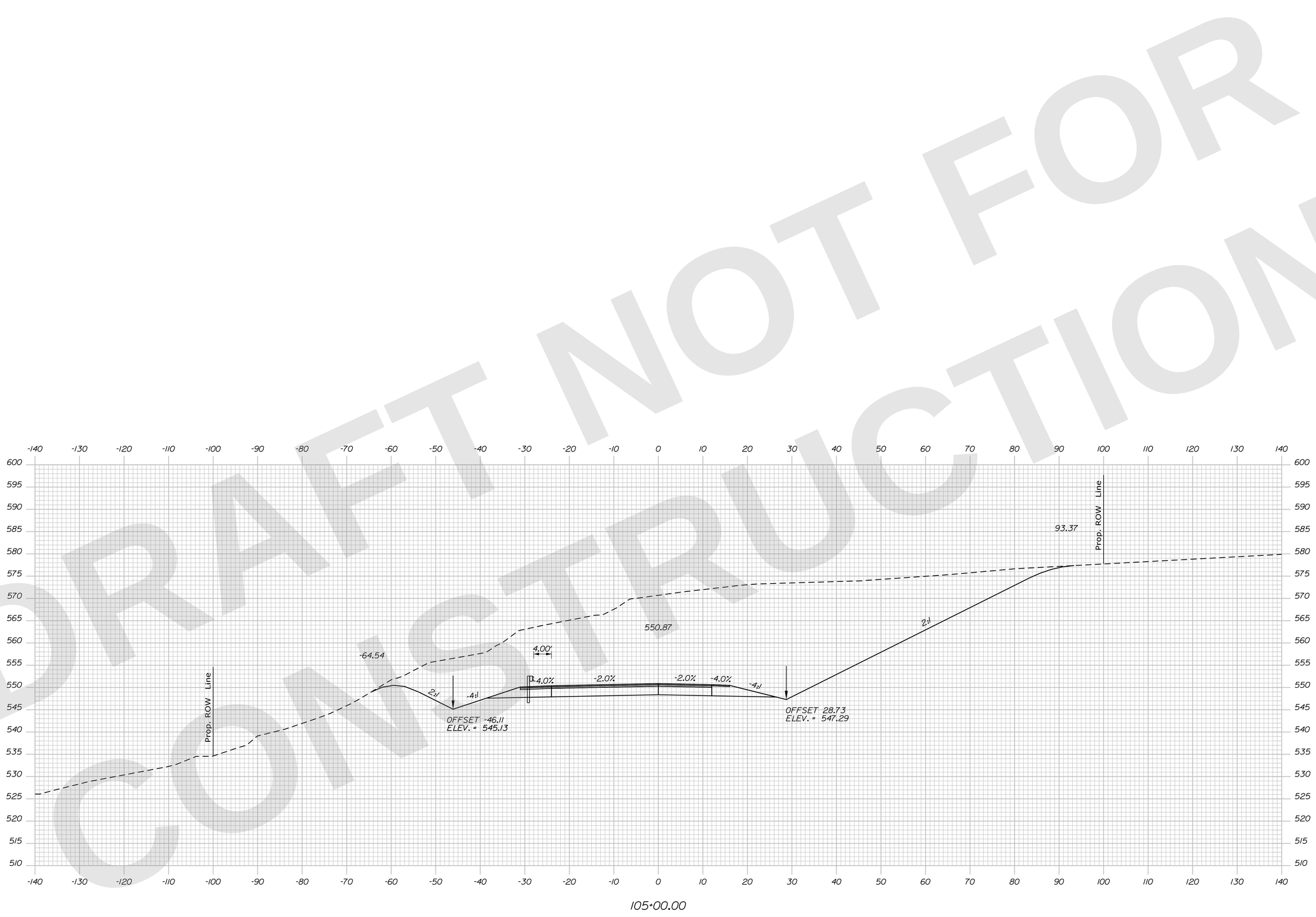
CROSS SECTIONS

SHEET NUMBER
H-351
455
OF 747

Sta. 104+50.00 to Sta. 104+50.00

Filename: ...\H5_03_SouthernConnector.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025

DRAFT NOT FOR CONSTRUCTION



PROJ. MANAGER			
DESIGN-DETAILED	ZBW	R.M.	JBD
CHECKED-REVIEWED	ECF		AG
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

BY	DATE
JBD	9/2/2025
AG	9/2/2025

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN
6462.92

HIGHWAY PLANS

PRESQUE ISLE
SOUTHERN CONNECTOR

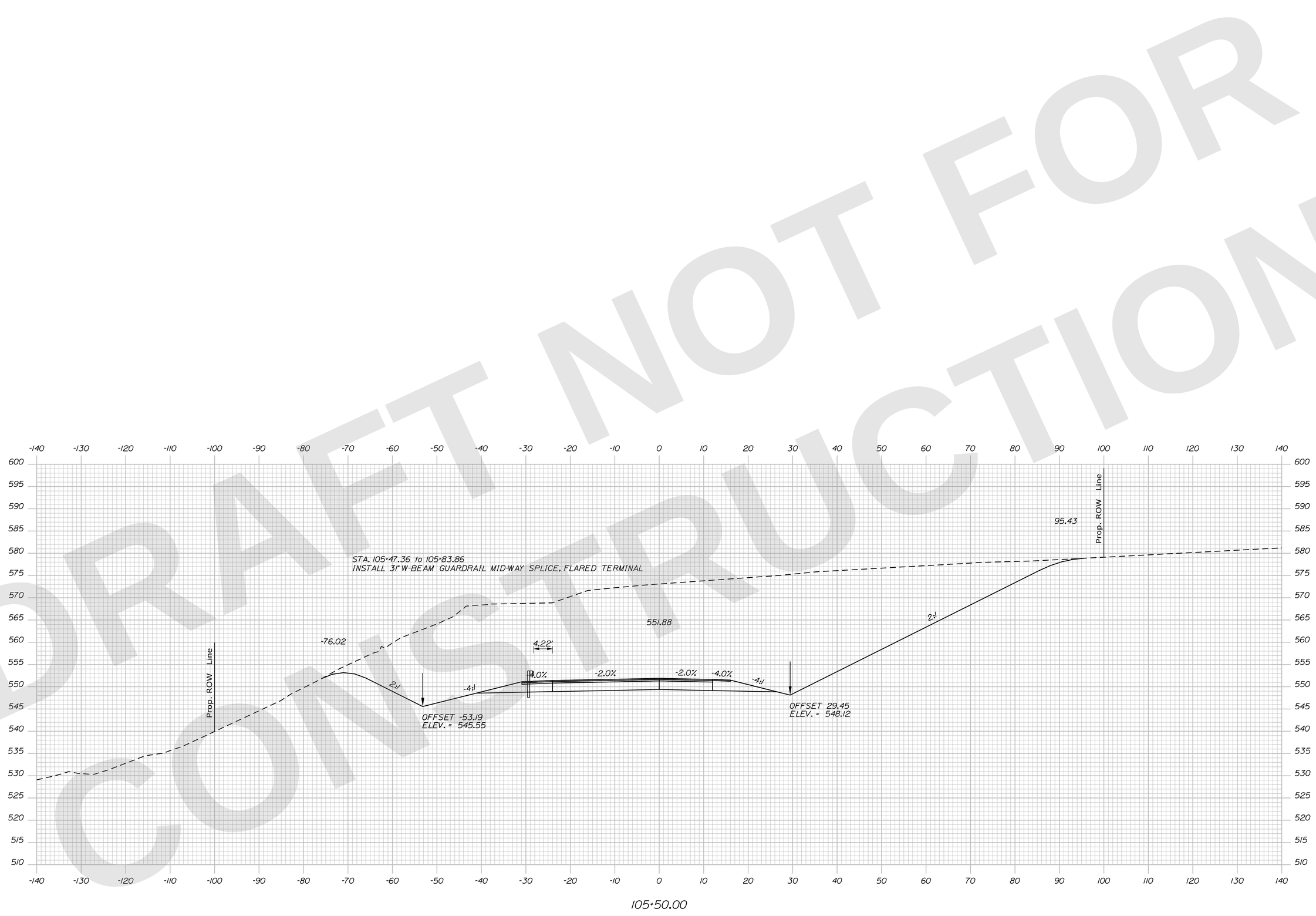
CROSS SECTIONS

SHEET NUMBER
H-352
456
OF 747

Sta. 105+00.00 to Sta. 105+00.00

Filename: ...\H5_03_SouthernConnector.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025

DRAFT NOT FOR CONSTRUCTION



PROJ. MANAGER	R.M.	BY	DATE
DESIGN-DETAILED	ZBW	JBD	9/2/2025
CHECKED-REVIEWED	ECF	AG	9/2/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN
6462.92

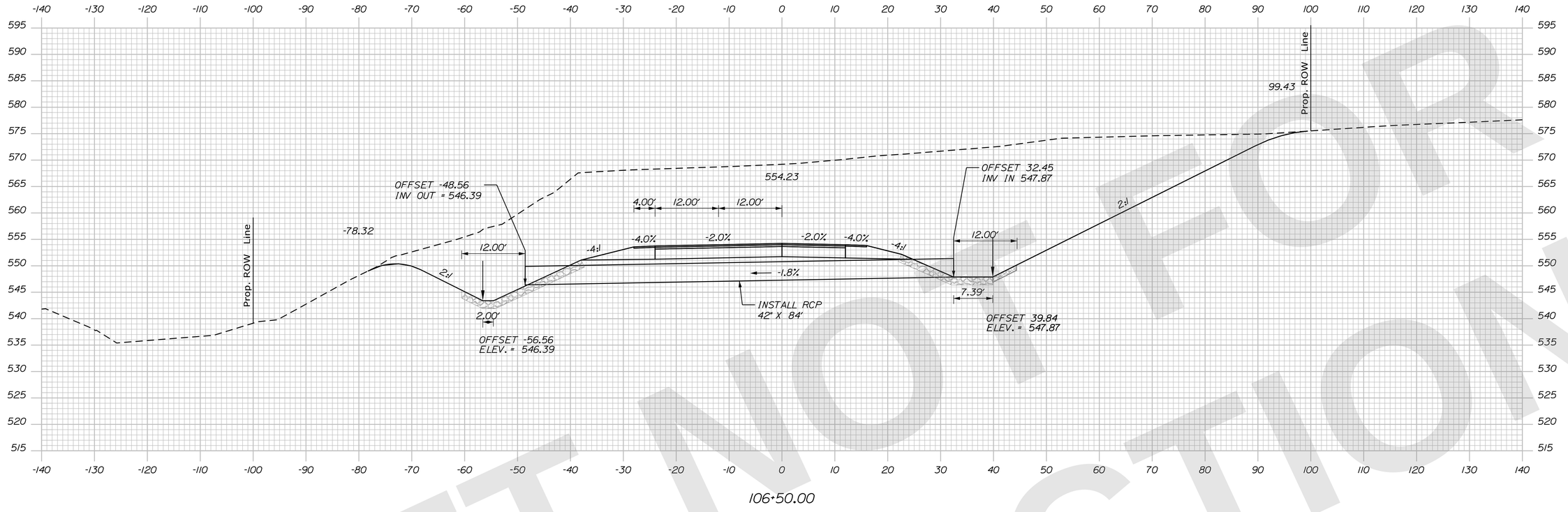
HIGHWAY PLANS

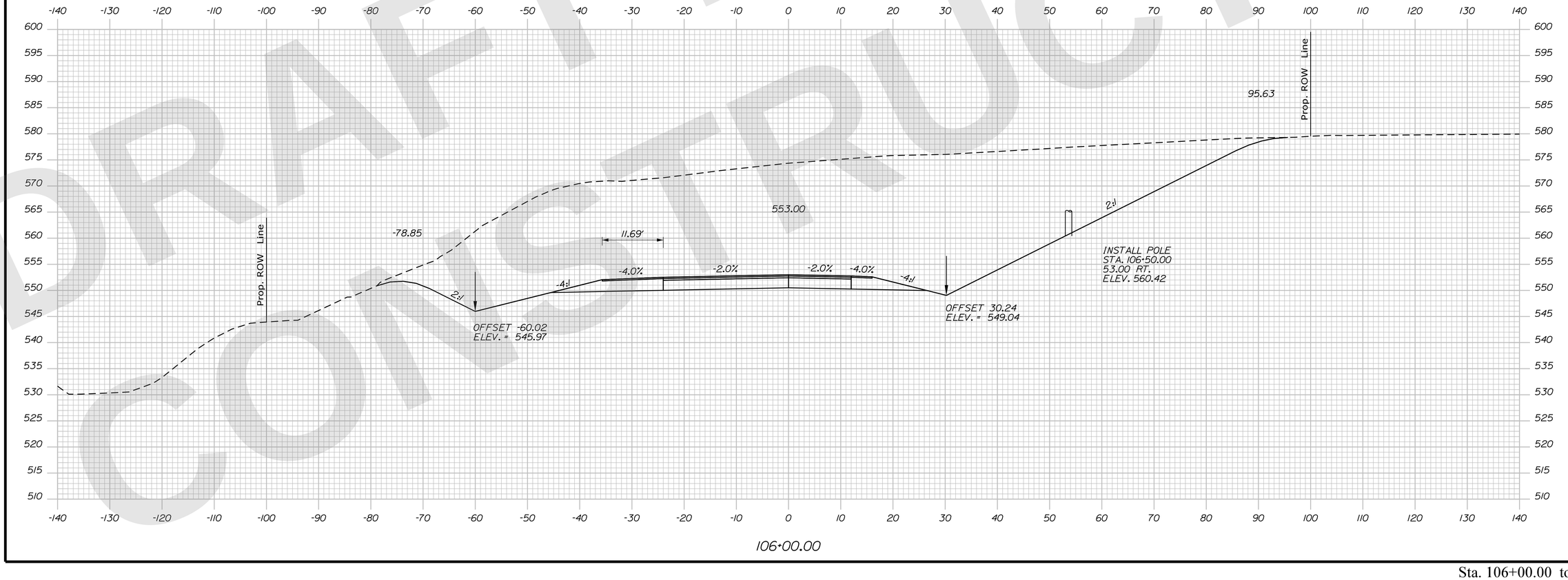
PRESQUE ISLE
SOUTHERN CONNECTOR

CROSS SECTIONS

SHEET NUMBER
H-353
457
OF 747

Sta. 105+50.00 to Sta. 105+50.00





STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN
6462.92

HIGHWAY PLANS

vhb

	BY	DATE
R.M.		
PROJ. MANAGER		
DESIGN-DETAILED	JBD	9/2/2025
CHECKED-REVIEWED	AG	9/2/2025
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

PRESQUE ISLE
SOUTHERN CONNECTOR

CROSS SECTIONS

SHEET NUMBER
H-354
458
OF 747

Sta. 106+00.00 to Sta. 106+50.00

Filename: ...\H5_03_SouthernConnector.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025

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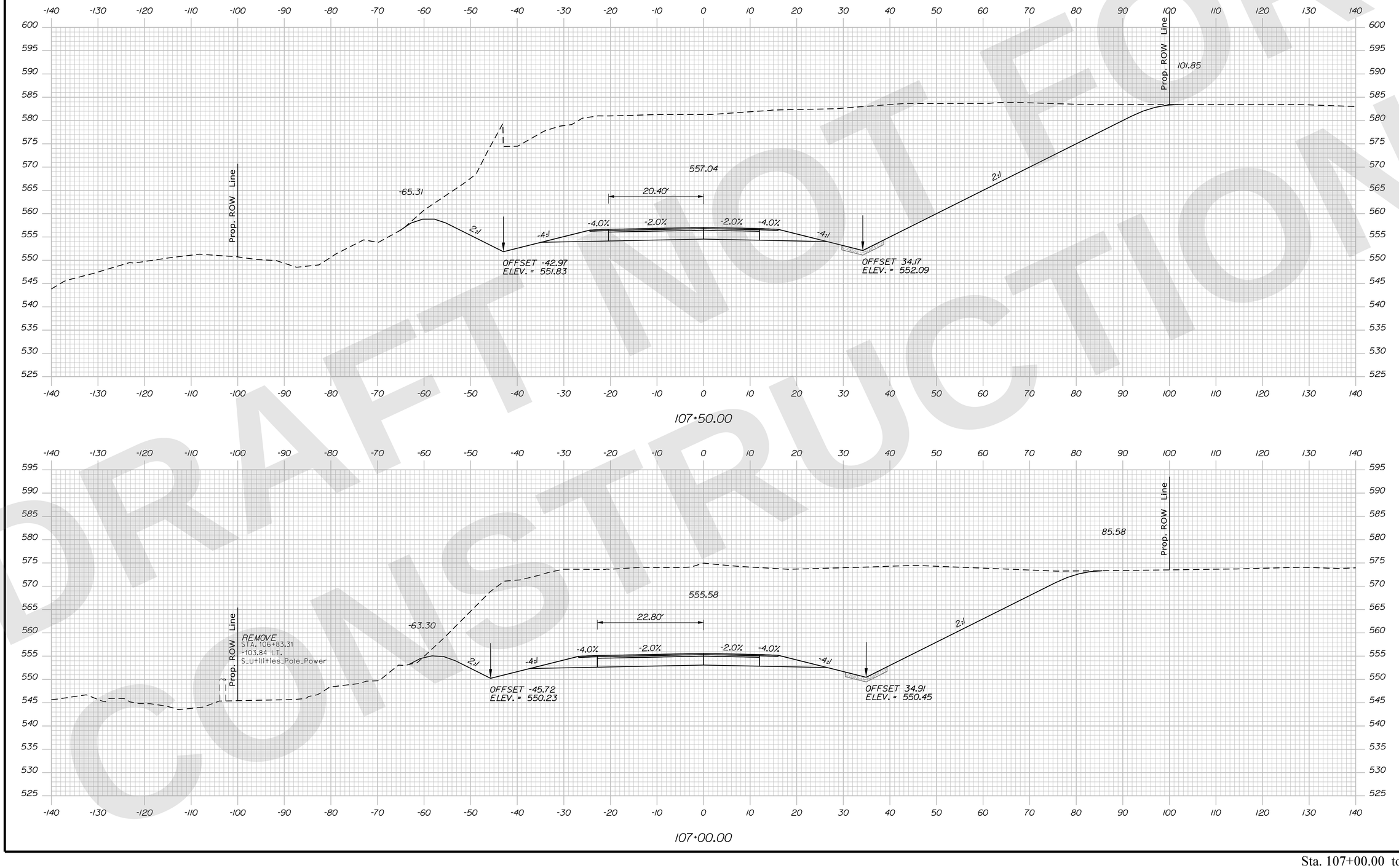
Filename: ...\H5_03_SouthernConnector.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025



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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 6462.92

HIGHWAY PLANS

vhb

	R.M.	BY	DATE
PROJ. MANAGER			
DESIGN-DETAILED	ZBW	JBD	9/2/2025
CHECKED-REVIEWED	ECF	AG	9/2/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

PRESQUE ISLE
SOUTHERN CONNECTOR

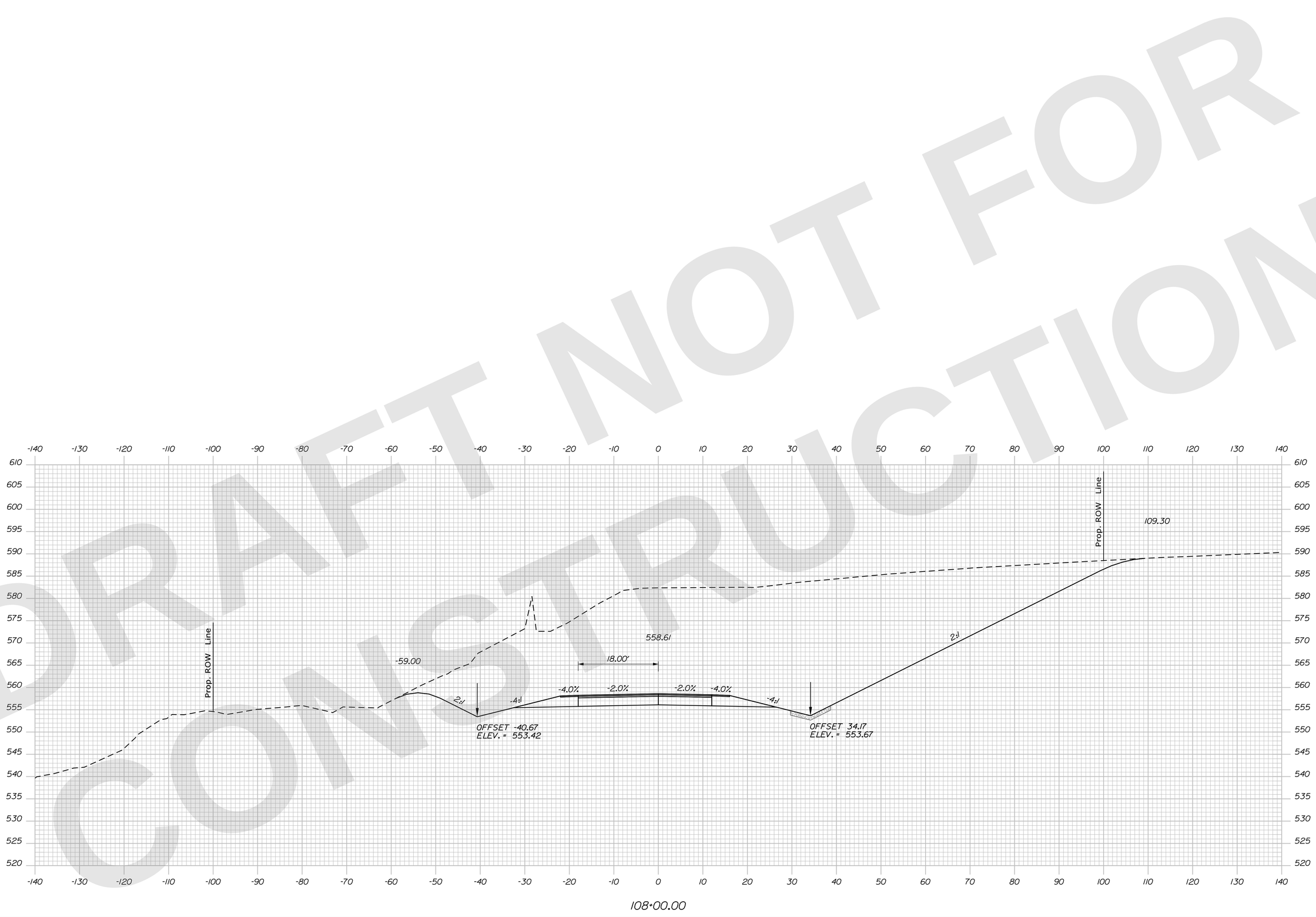
CROSS SECTIONS

SHEET NUMBER
H-355
459
OF 747

Sta. 107+00.00 to Sta. 107+50.00

Filename: ...\H5_03_SouthernConnector.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025

DRAFT NOT FOR CONSTRUCTION



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 6462.92 HIGHWAY PLANS

vhb

	BY	DATE
R.M.	JBD	9/2/2025
	AG	9/2/2025

PROJ. MANAGER	
DESIGN-DETAILED	ZBW
CHECKED-REVIEWED	ECF
DESIGN2-DETAILED2	
DESIGN3-DETAILED3	
REVISIONS 1	
REVISIONS 2	
REVISIONS 3	
REVISIONS 4	
FIELD CHANGES	

PRESQUE ISLE
SOUTHERN CONNECTOR

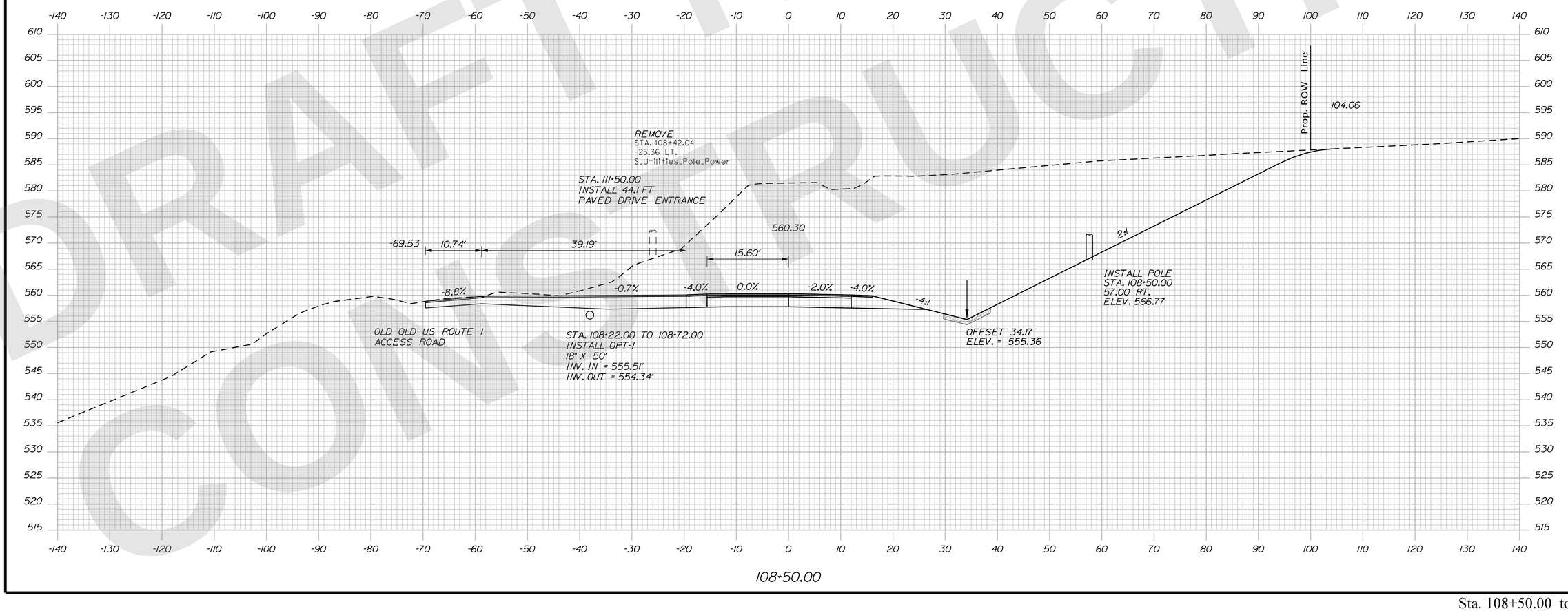
CROSS SECTIONS

SHEET NUMBER
H-356
460
OF 747

Sta. 108+00.00 to Sta. 108+00.00

PREFINAL NOT FOR CONSTRUCTION

Filename: ...\H5_03_SouthernConnector.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025



Sta. 108+50.00 to Sta. 108+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN
6462.92

HIGHWAY PLANS

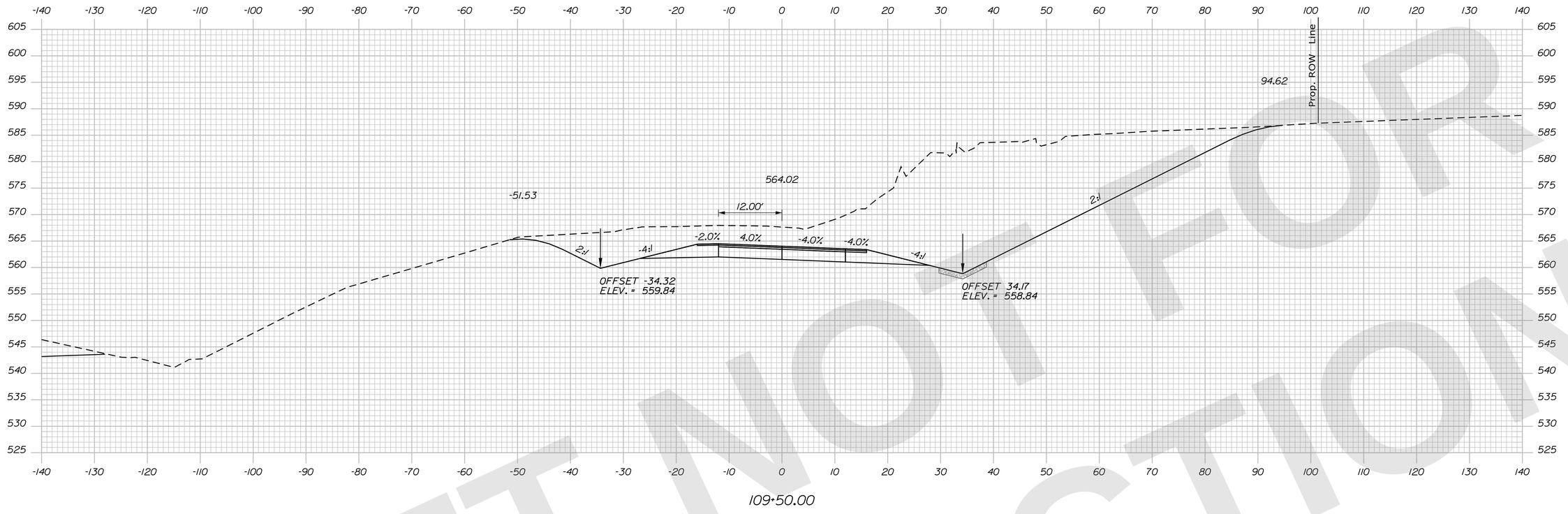
vhb

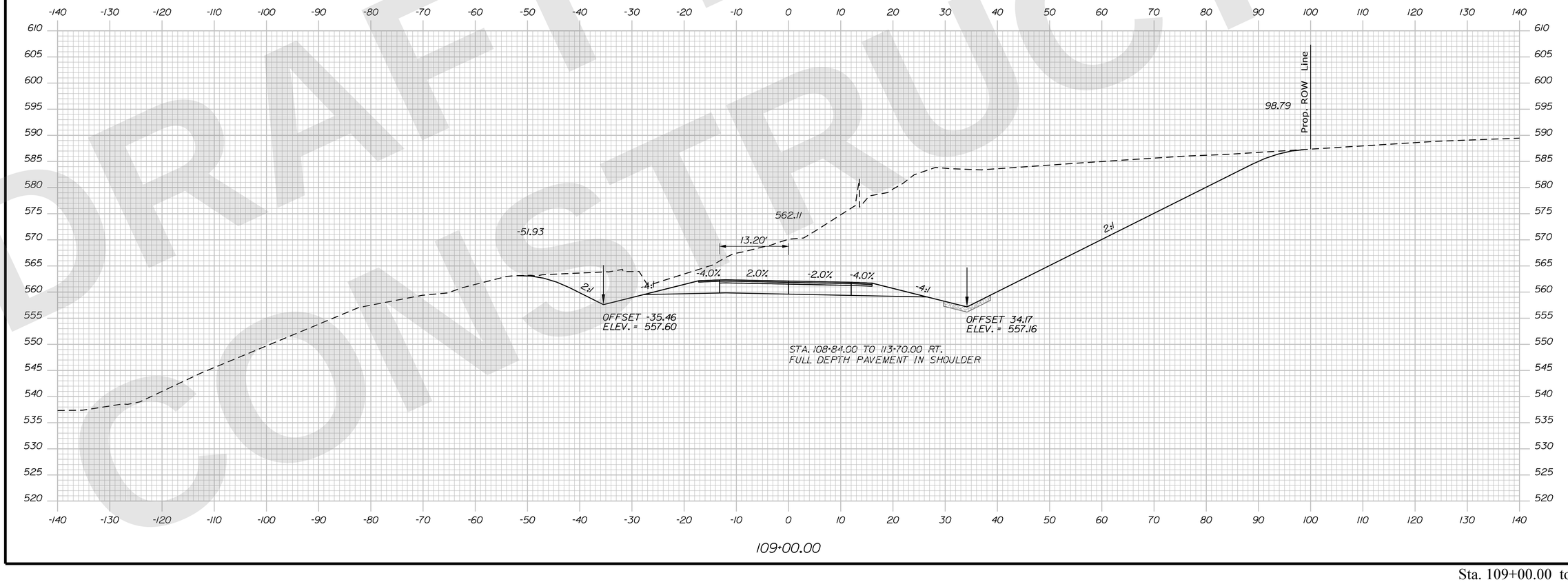
	BY	DATE
R.M.	JBD	9/2/2025
PROJ. MANAGER		
DESIGN-DETAILED	ZBW	
CHECKED-REVIEWED	ECF	
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1	AG	9/2/2025
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

PRESQUE ISLE
SOUTHERN CONNECTOR

CROSS SECTIONS

SHEET NUMBER
H-357
461
OF 747





STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 6462.92

HIGHWAY PLANS

vhb

	BY	DATE
R.M.	JBD	9/2/2025
PROJ. MANAGER	AG	9/2/2025
DESIGN-DETAILED	ZBW	
CHECKED-REVIEWED	ECF	
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

PRESQUE ISLE
SOUTHERN CONNECTOR

CROSS SECTIONS

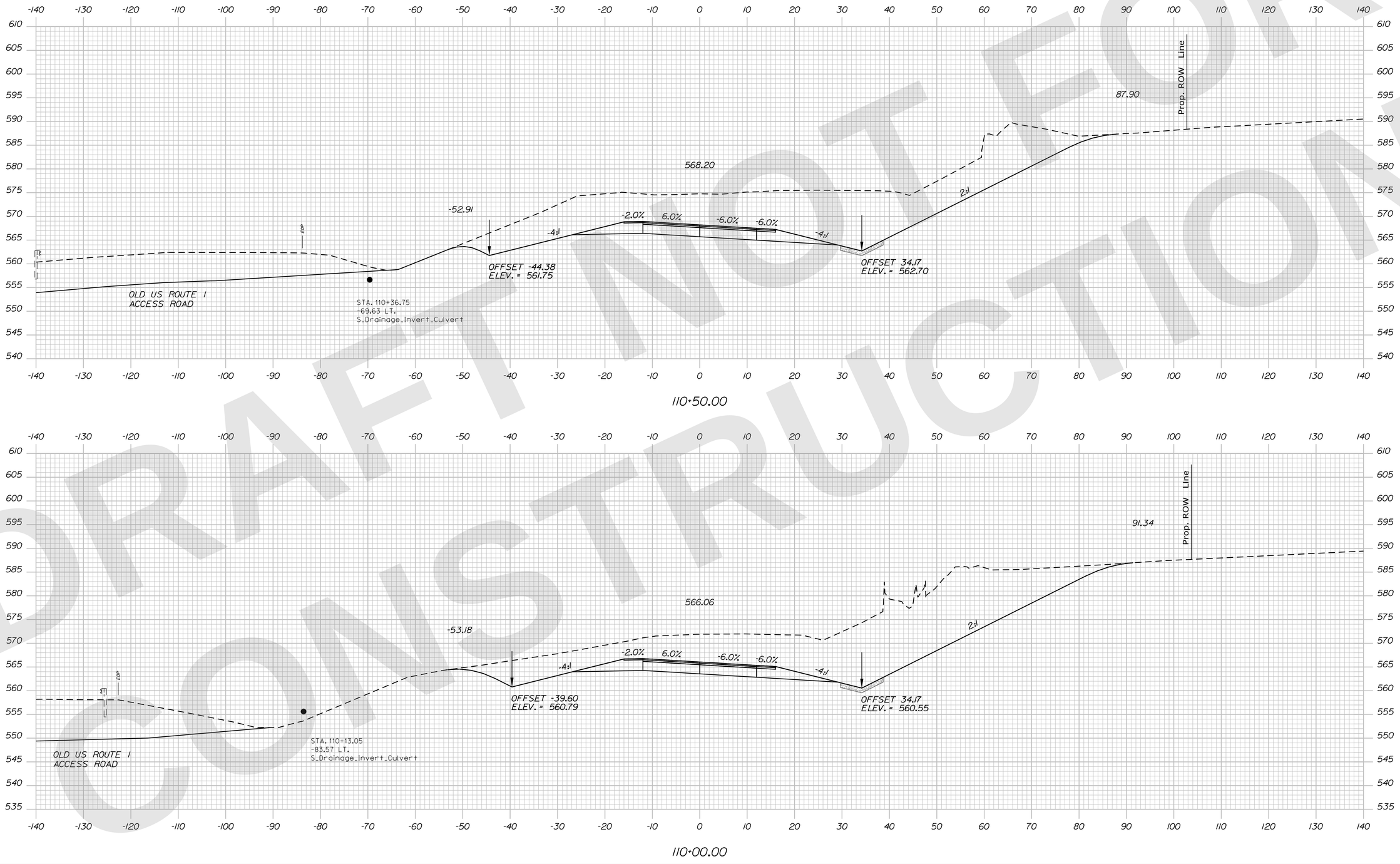
SHEET NUMBER
H-358
462
OF 747

Filename: ...\H5_03_SouthernConnector.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025

DRAFT NOT FOR CONSTRUCTION

Sta. 109+00.00 to Sta. 109+50.00

Filename: ...\H5_03_SouthernConnector.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 6462.92

HIGHWAY PLANS

vhb

	R.M.	BY	DATE
PROJ. MANAGER			
DESIGN-DETAILED	ZBW	JBD	9/2/2025
CHECKED-REVIEWED	ECF	AG	9/2/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

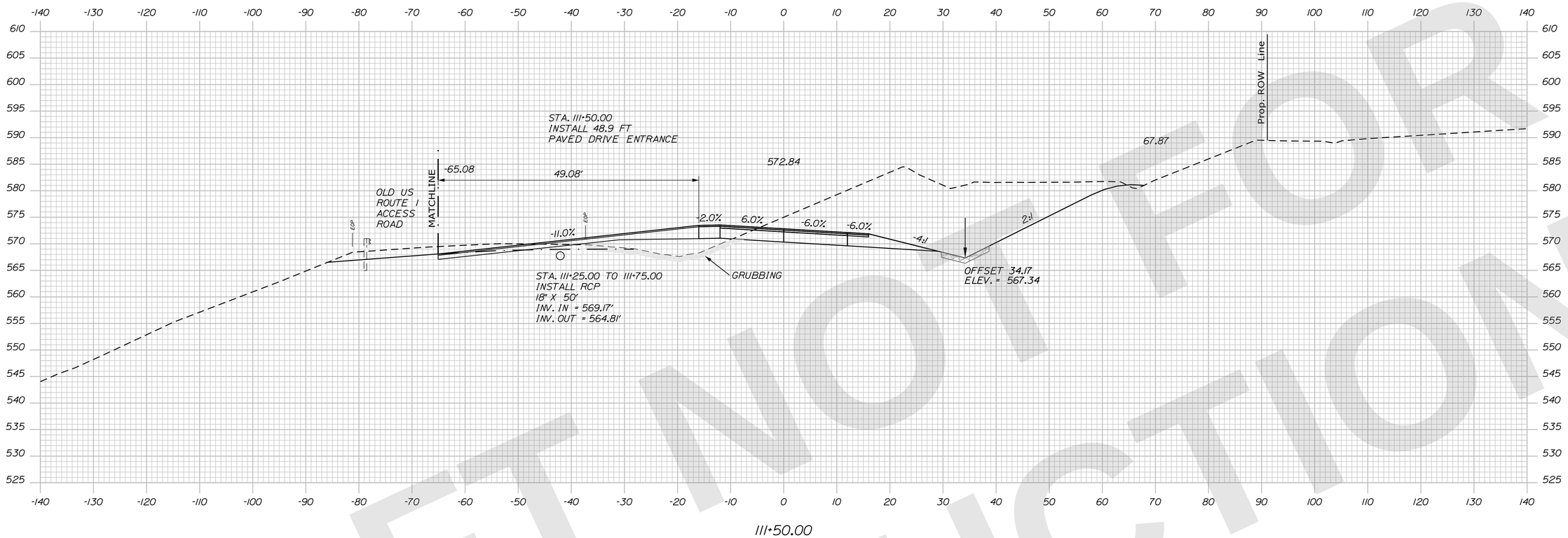
PRESQUE ISLE
SOUTHERN CONNECTOR

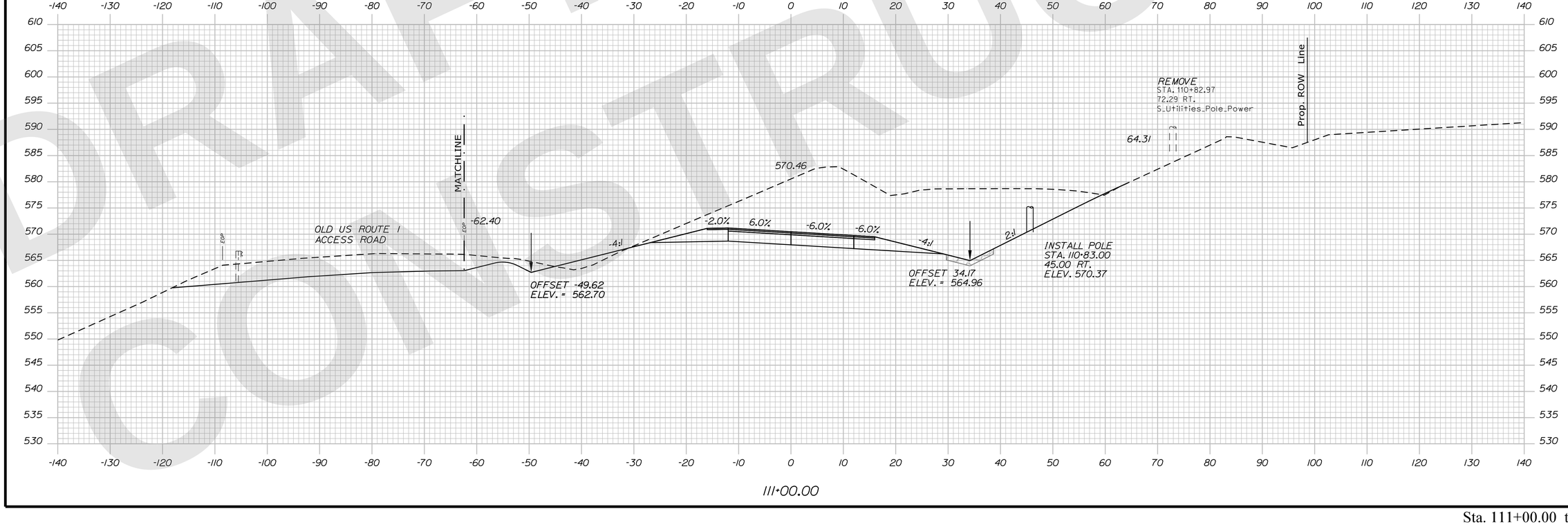
CROSS SECTIONS

SHEET NUMBER
H-359
463
OF 747

Sta. 110+00.00 to Sta. 110+50.00

DRAFT NOT FOR CONSTRUCTION





STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 6462.92

HIGHWAY PLANS

vhb

	R.M.	BY	DATE
PROJ. MANAGER			
DESIGN-DETAILED	ZBW	JBD	9/2/2025
CHECKED-REVIEWED	ECF	AG	9/2/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

PRESQUE ISLE
SOUTHERN CONNECTOR

CROSS SECTIONS

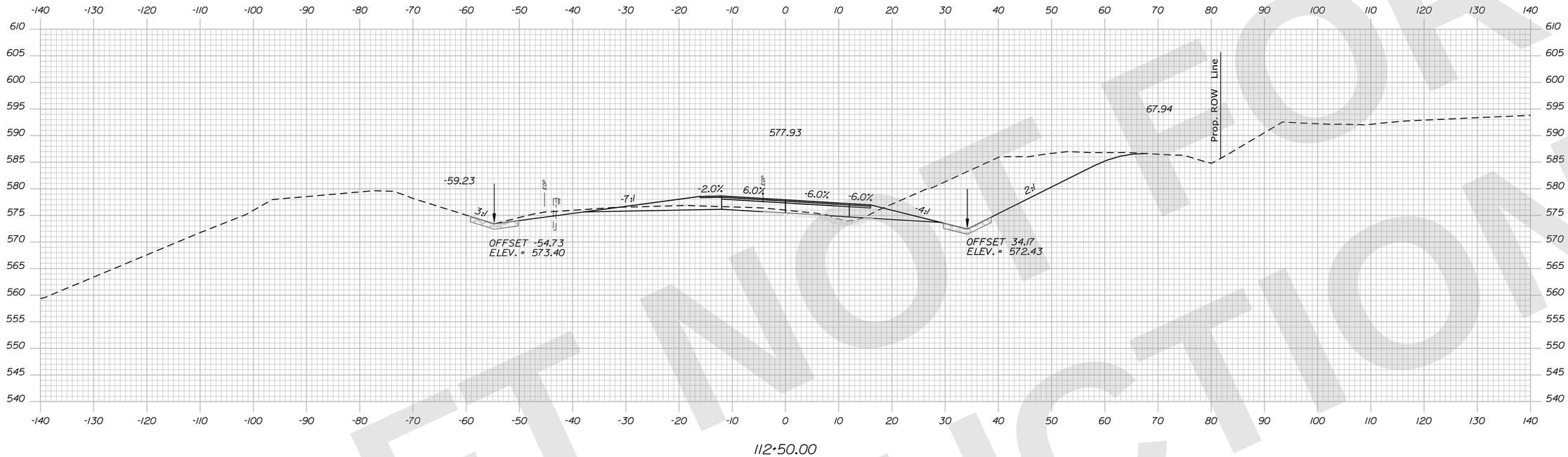
SHEET NUMBER
H-360
464
OF 747

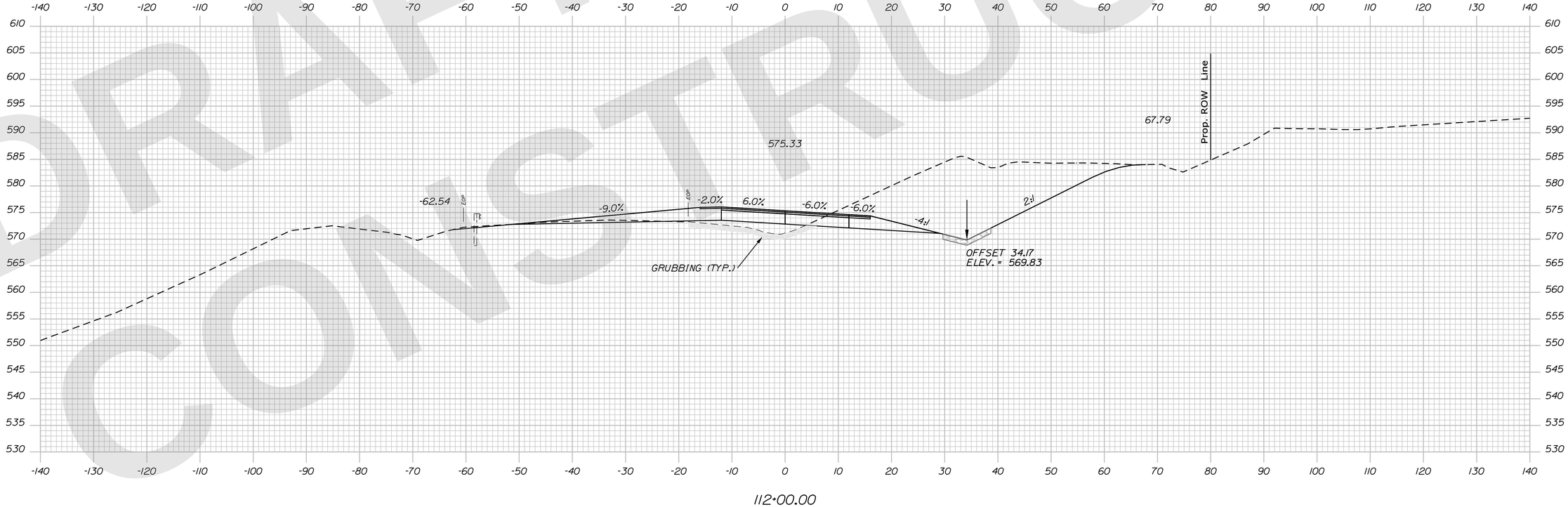
Sta. 111+00.00 to Sta. 111+50.00

Filename: ...\H5_03_SouthernConnector.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025

PRELIMINARY NOT FOR CONSTRUCTION

Username: jamesdavis Date:9/2/2025
Division: HIGHWAY
Filename: ...\H5_03_SouthernConnector.dgn





PRELIMINARY NOT FOR CONSTRUCTION

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 6462.92

HIGHWAY PLANS

vhb

	R.M.	BY	DATE
PROJ. MANAGER			
DESIGN-DETAILED	ZBW	JBD	9/2/2025
CHECKED-REVIEWED	ECF	ECF	9/2/2025
DESIGN2-DETAILED2		AG	
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

PRESQUE ISLE
SOUTHERN CONNECTOR

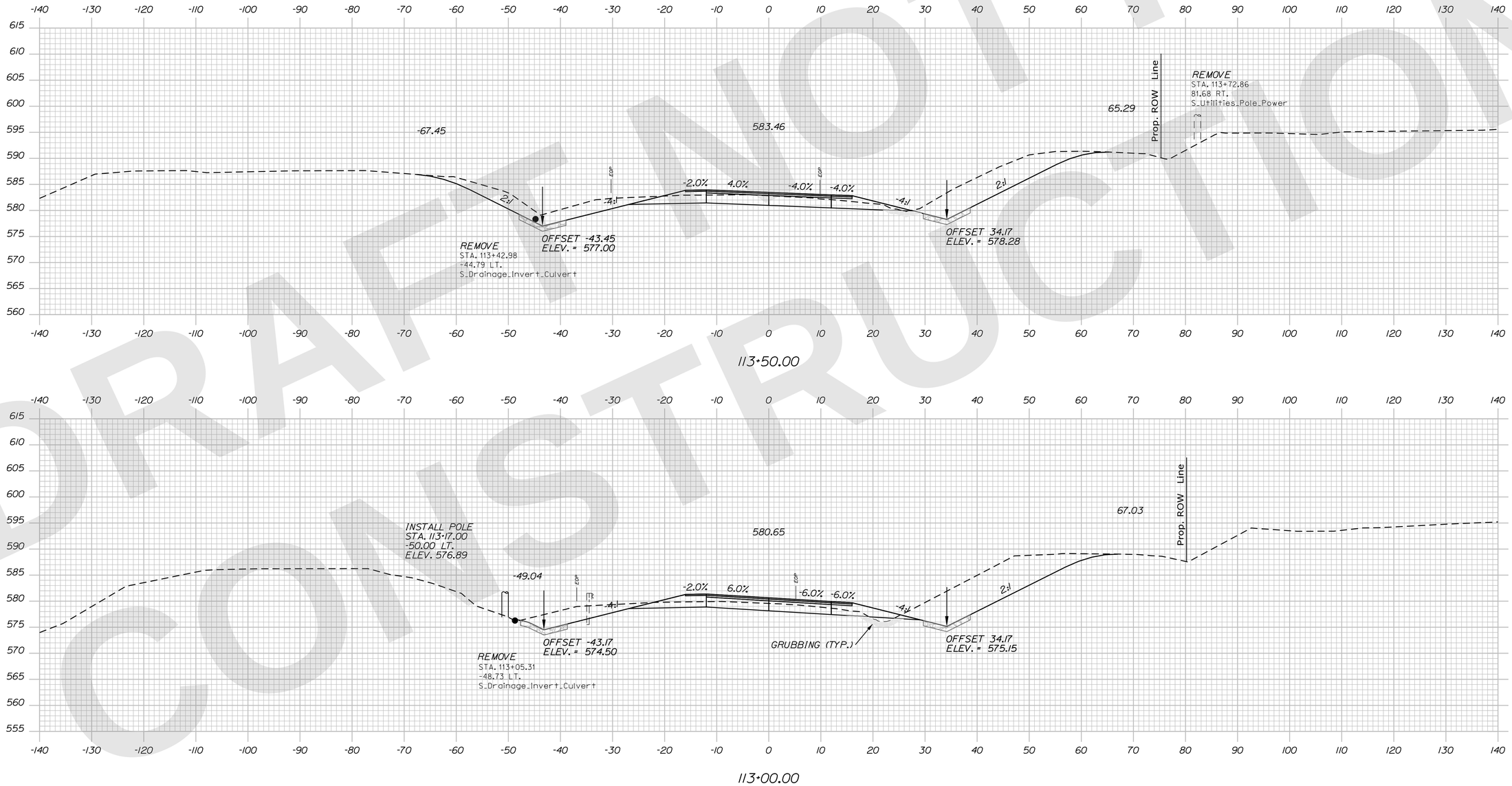
CROSS SECTIONS

SHEET NUMBER
H-361
465
OF 747

Sta. 112+00.00 to Sta. 112+50.00

Username: jamesdavis
Date:9/2/2025
Division: HIGHWAY
Filename: ...\H5_03_SouthernConnector.dgn

DRAFT NOT FOR CONSTRUCTION



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 6462.92

HIGHWAY PLANS

vhb

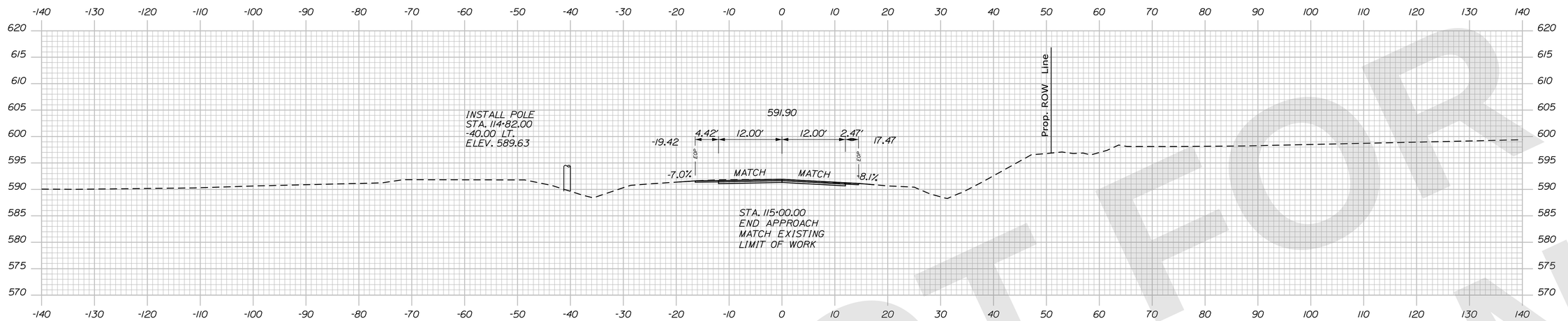
	R.M.	DATE
PROJ. MANAGER		
DESIGN-DETAILED	ZBW	JBD 9/2/2025
CHECKED-REVIEWED	ECF	AG 9/2/2025
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

PRESQUE ISLE
SOUTHERN CONNECTOR

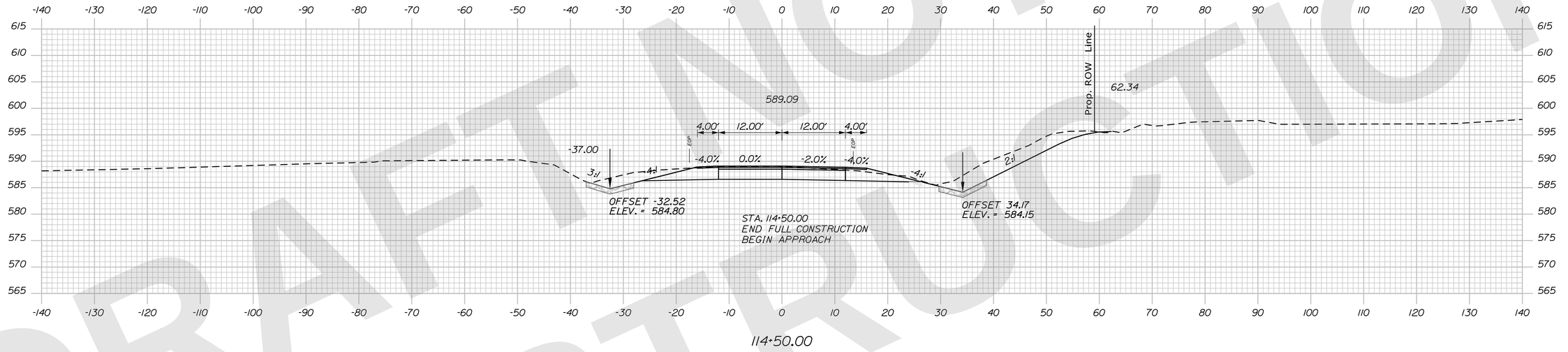
CROSS SECTIONS

SHEET NUMBER
H-362
466
OF 747

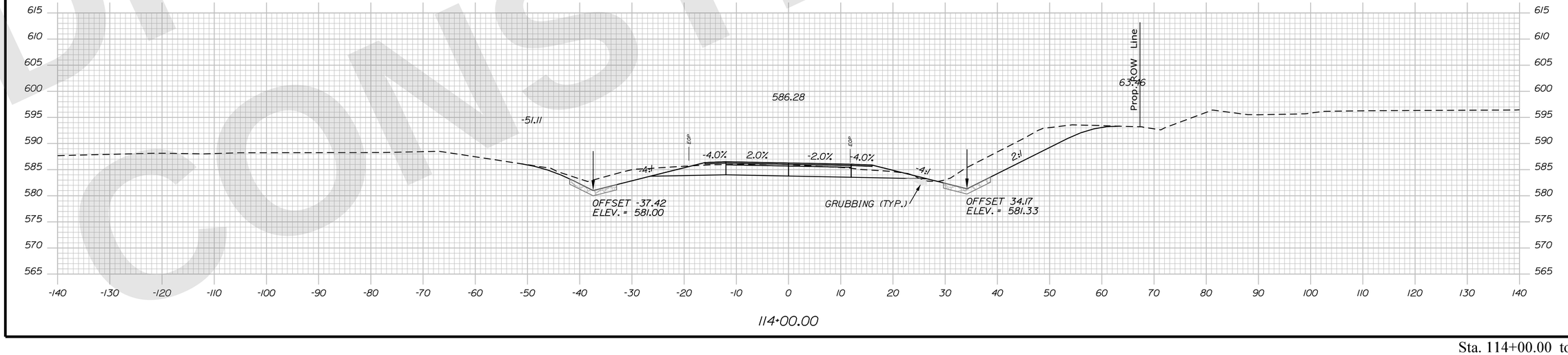
Sta. 113+00.00 to Sta. 113+50.00



115+00.00



114+50.00



114+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 6462.92

HIGHWAY PLANS

vhb

PROJ. MANAGER	R.M.	DATE
DESIGN-DETAILED	JBD	9/2/2025
CHECKED-REVIEWED	AG	9/2/2025
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

PRESQUE ISLE
SOUTHERN CONNECTOR

CROSS SECTIONS

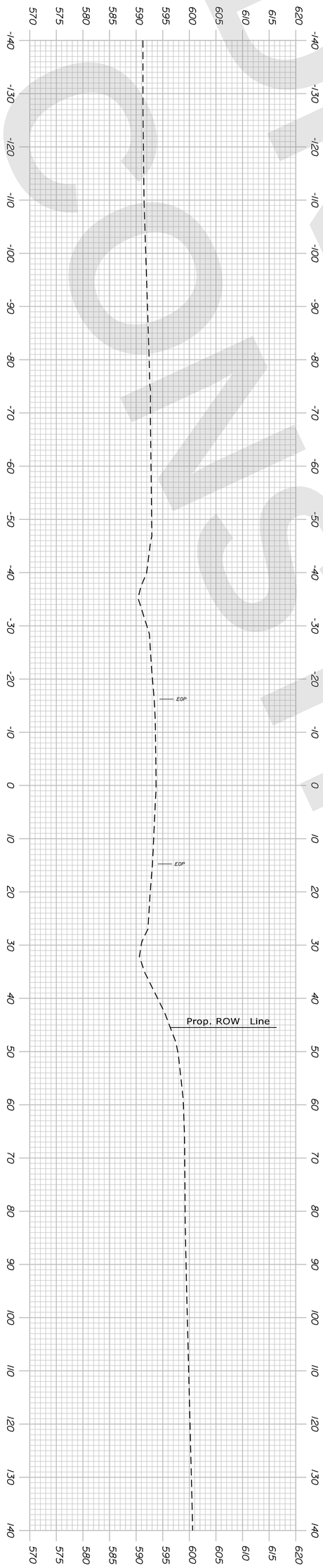
SHEET NUMBER
H-363
467
OF 747

Sta. 114+00.00 to Sta. 115+00.00

Filename: ...\H5_03_SouthernConnector.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025

DRAFT NOT FOR CONSTRUCTION

DRAFT NOT FOR CONSTRUCTION



115+32.93

Sta. 115+32.93 to Sta. 115+32.93

SHEET NUMBER H-364
468 OF 747

PRESQUE ISLE SOUTHERN CONNECTOR

CROSS SECTIONS

PROJ. MANAGER	R.M.	BY	DATE
DESIGN-DETAILED	ZBW	JBD	9/2/2025
CHECKED-REVIEWED	ECF	AG	9/2/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

vhb

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
CAPITAL PROJECTS
WIN 6462.92
HIGHWAY PLANS

DRAFT NOT FOR CONSTRUCTION

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN
6462.92

HIGHWAY PLANS

vhb

	BY	DATE
PROJ. MANAGER	R.M.	
DESIGN-DETAILED	ZBW	9/2/2025
CHECKED-REVIEWED	ECF	9/2/2025
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

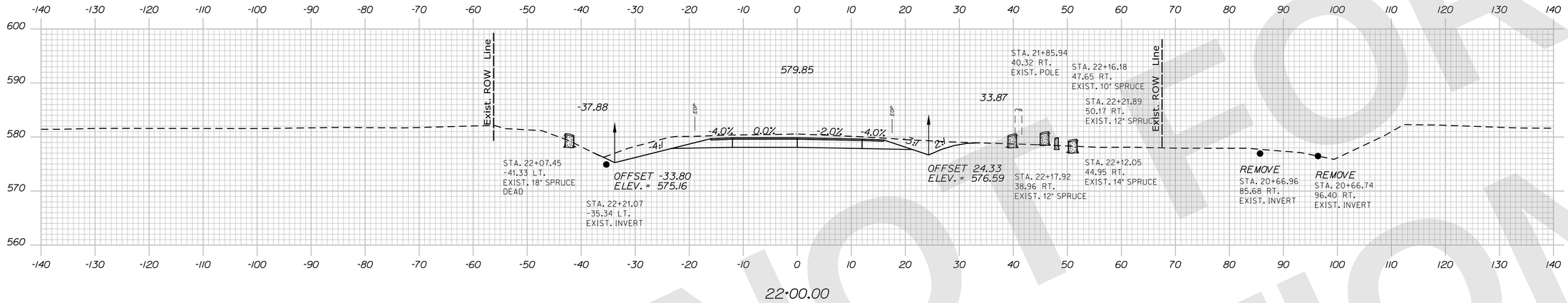
PRESQUE ISLE
ROUTE 1 DRIVE SOUTH

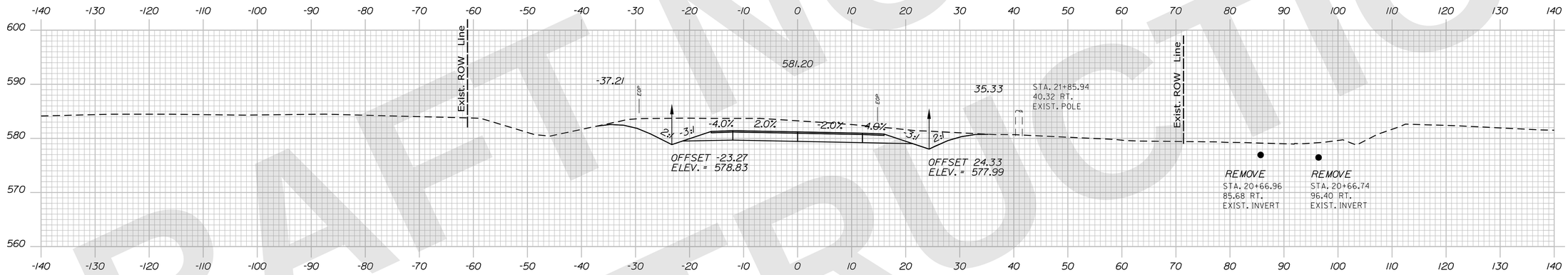
CROSS SECTIONS

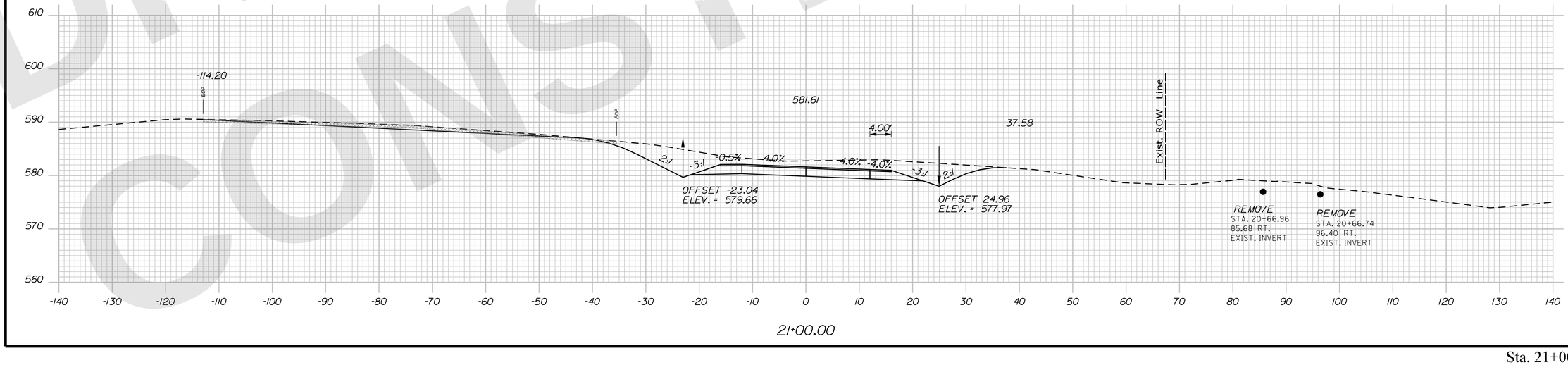
SHEET NUMBER
H-365
469
OF 747

Sta. 20+00.00 to Sta. 20+50.00

Filename: ...\H5_06_Xsects_R11_Drive_South.dgn Division: HIGHWAY Username: jomesdavis Date:9/2/2025







STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN
6462.92

HIGHWAY PLANS

vhb

	R.M.	BY	DATE
PROJ. MANAGER			
DESIGN-DETAILED	ZBW	JBD	9/2/2025
CHECKED-REVIEWED	ECF	AG	9/2/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

PRESQUE ISLE
ROUTE 1 DRIVE SOUTH

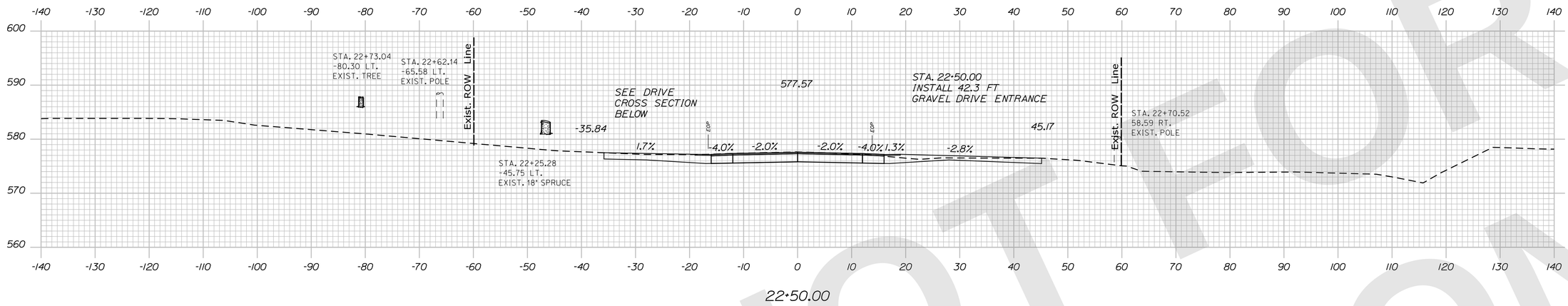
CROSS SECTIONS

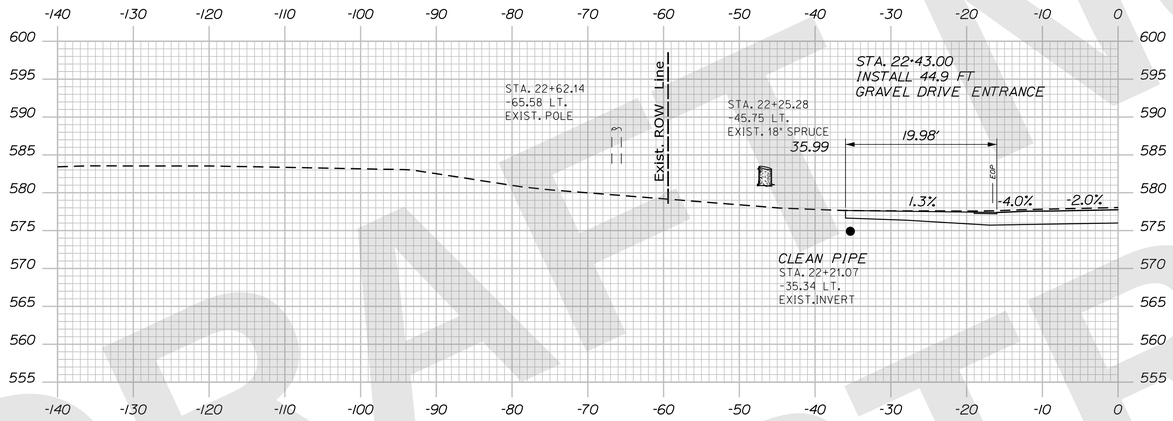
SHEET NUMBER
H-366
470
OF 747

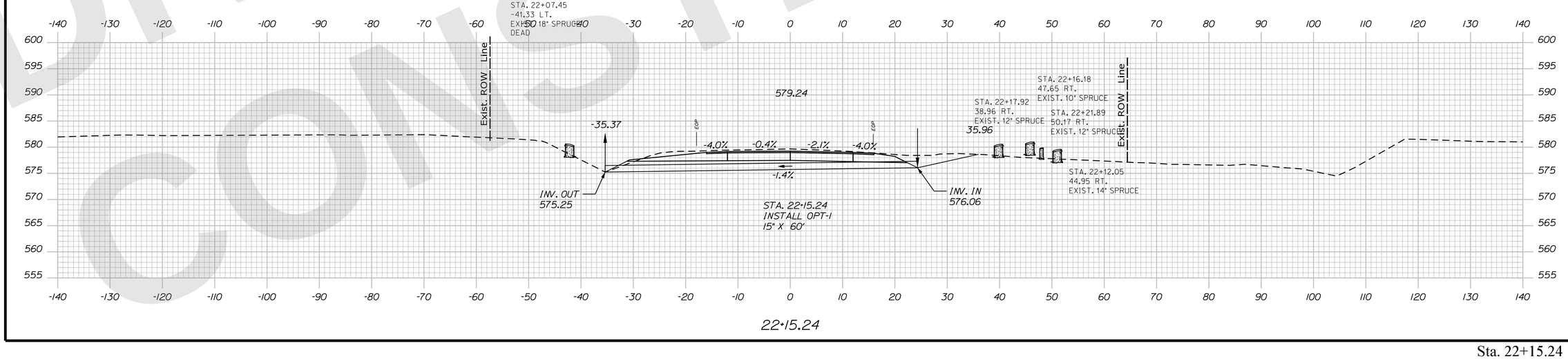
Sta. 21+00.00 to Sta. 22+00.00

DRAFT NOT FOR CONSTRUCTION

Filename: ...\H5_06_Xsects_Rt1_Drive_South.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025







STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN
6462.92

HIGHWAY PLANS

vhb

	R.M.	BY	DATE
PROJ. MANAGER			
DESIGN-DETAILED	ZBW	JBD	9/2/2025
CHECKED-REVIEWED	ECF	AG	9/2/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

PRESQUE ISLE
ROUTE 1 DRIVE SOUTH

CROSS SECTIONS

SHEET NUMBER
H-367
471
OF 747

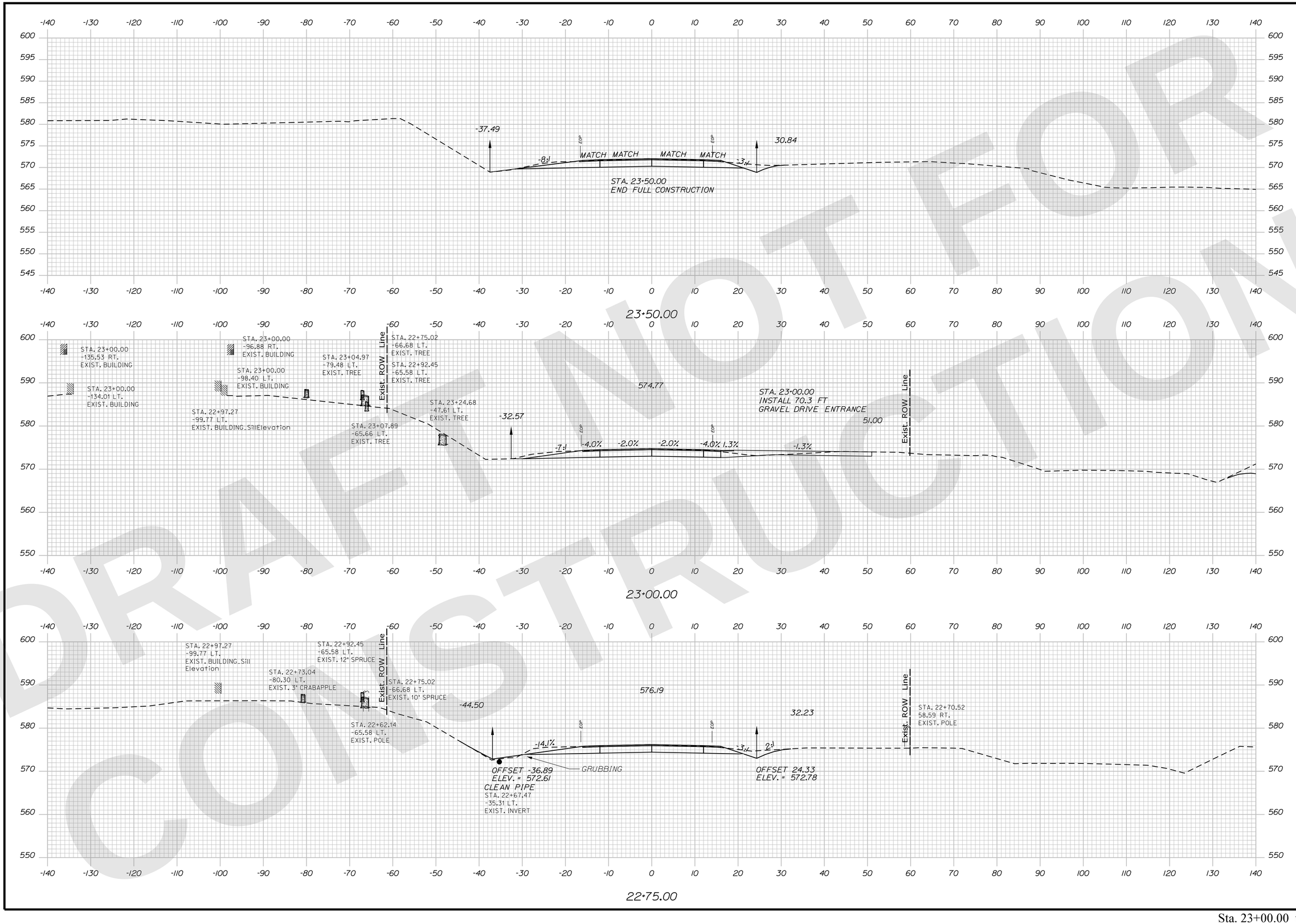
Sta. 22+15.24 to Sta. 22+50.00

DRAFT NOT FOR CONSTRUCTION

Filename: ...\H5_06_Xsects_Rt1_Drive_South.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025

Filename: ...\H5_06_Xsects_R1_Drive_South.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025

DRAFT NOT FOR CONSTRUCTION



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 6462.92

HIGHWAY PLANS

vhb

	R.M.	BY	DATE
PROJ. MANAGER			
DESIGN-DETAILED	ZBW	JBD	9/2/2025
CHECKED-REVIEWED	ECF	AG	9/2/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

PRESQUE ISLE
ROUTE 1 DRIVE SOUTH

CROSS SECTIONS

SHEET NUMBER
H-368
472
OF 747

Sta. 23+00.00 to Sta. 23+50.00

Filename: ...\H5_02_Xsects_Conant_Rd.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 6462.92

HIGHWAY PLANS

vhb

	BY	DATE
R.M.		
PROJ. MANAGER		
DESIGN-DETAILED	ZBW	9/2/2025
CHECKED-REVIEWED	ECF	9/2/2025
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

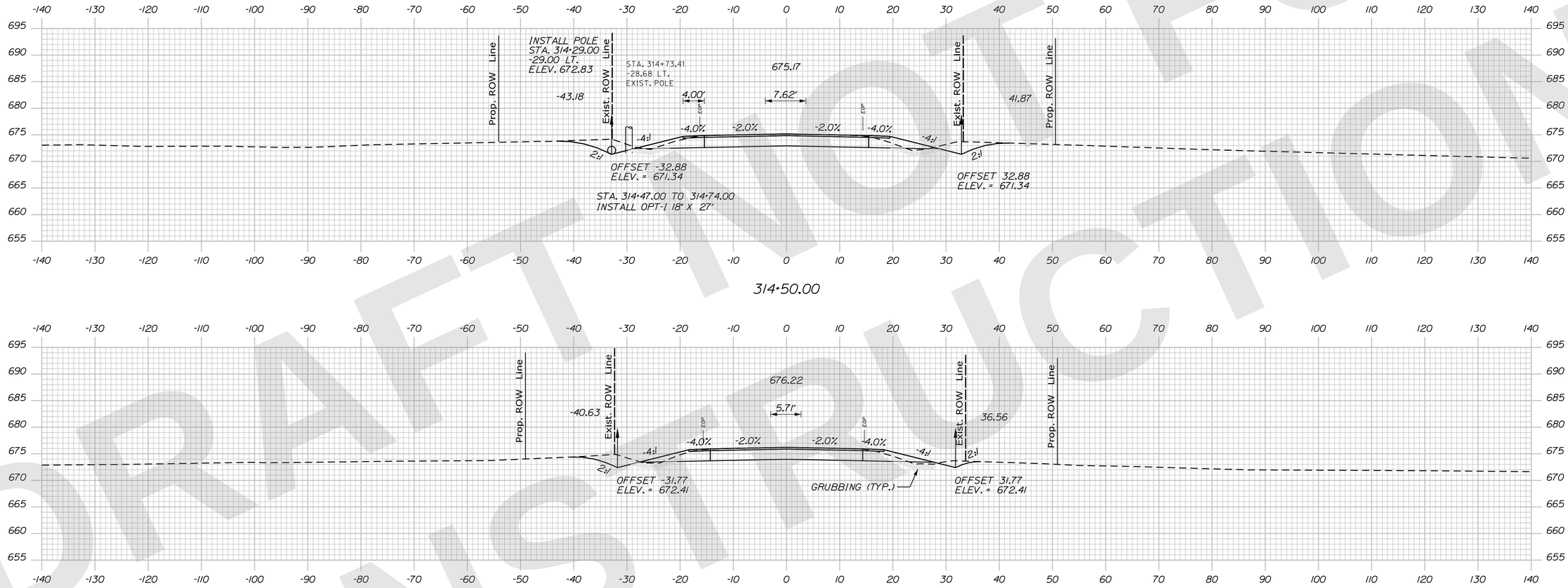
PRESQUE ISLE
CONANT ROAD

CROSS SECTIONS

SHEET NUMBER
H-369
473
OF 747

Sta. 312+50.00 to Sta. 313+50.00

DRAFT NOT FOR CONSTRUCTION



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 6462.92

HIGHWAY PLANS

vhb

PROJ. MANAGER	R.M.		
DESIGN-DETAILED	ZBW	JBD	9/2/2025
CHECKED-REVIEWED	ECF	AG	9/2/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

PRESQUE ISLE
CONANT ROAD

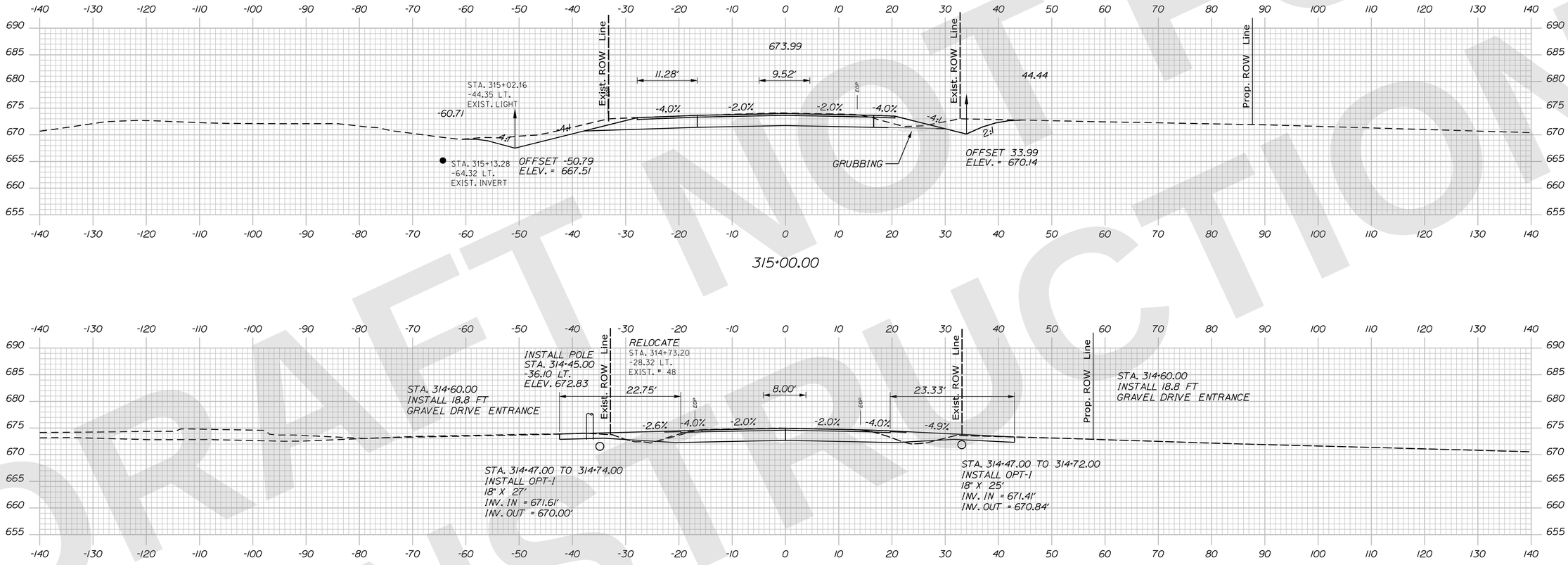
CROSS SECTIONS

SHEET NUMBER
H-370
474
OF 747

Sta. 314+00.00 to Sta. 314+60.00

DRAFT NOT FOR CONSTRUCTION

Filename: ...\H5_02_Xsects_Conant_Rd.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025



DRAFT NOT FOR CONSTRUCTION

Username: jamesdavis Date:9/2/2025
Division: HIGHWAY
Filename: ...\H5_02_Xsects_Conant_Rd.dgn

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 6462.92

HIGHWAY PLANS

vhb

	BY	DATE
R.M.	JBD	9/2/2025
PROJ. MANAGER	AG	9/2/2025
DESIGN-DETAILED	ZBW	
CHECKED-REVIEWED	ECF	
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

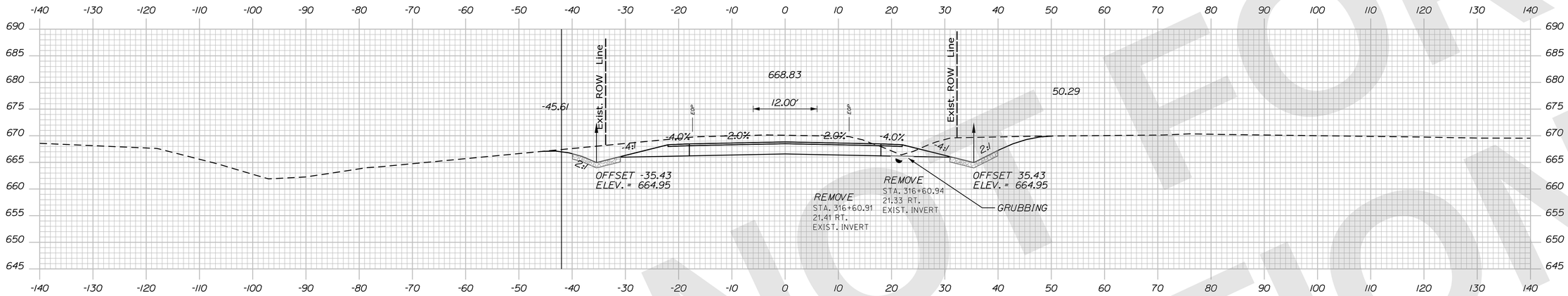
PRESQUE ISLE
CONANT ROAD

CROSS SECTIONS

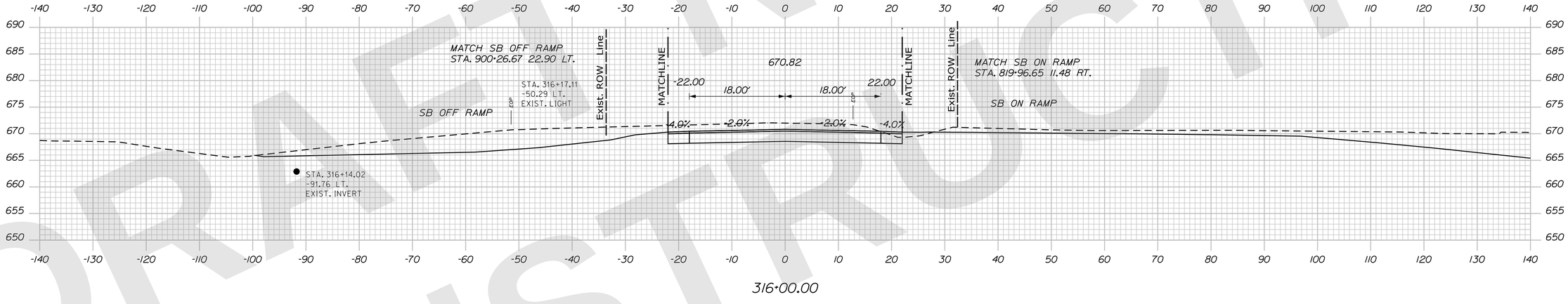
SHEET NUMBER
H-371
475
OF 747

Sta. 314+50.00 to Sta. 315+00.00

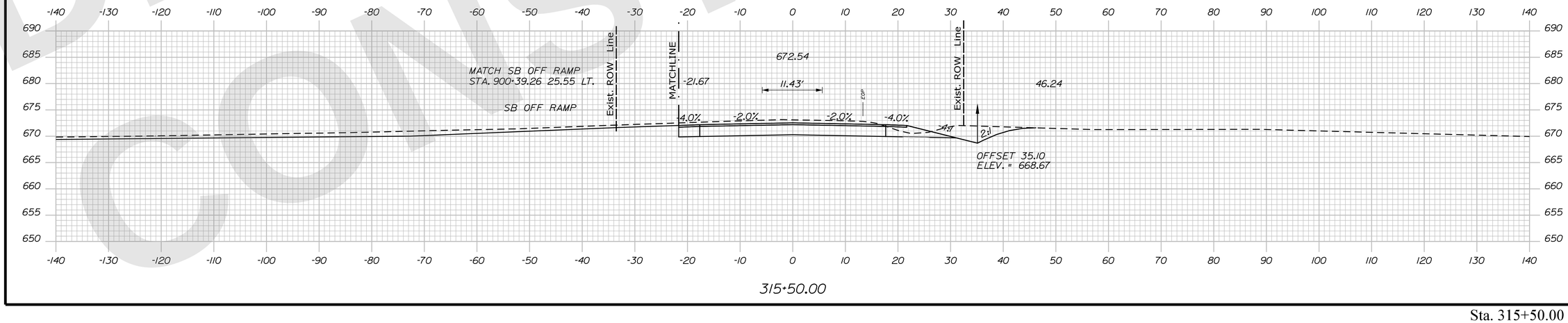
Filename: ...\H5_02_Xsects_ConantL_Rd.dgn Username: jamesdavis Division: HIGHWAY Date:9/2/2025



316+50.00



316+00.00



315+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN
6462.92

HIGHWAY PLANS

vhb

PROJ. MANAGER	R.M.	BY	DATE
DESIGN-DETAILED	ZBW	JBD	9/2/2025
CHECKED-REVIEWED	EOF	AG	9/2/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

PRESQUE ISLE
CONANT ROAD

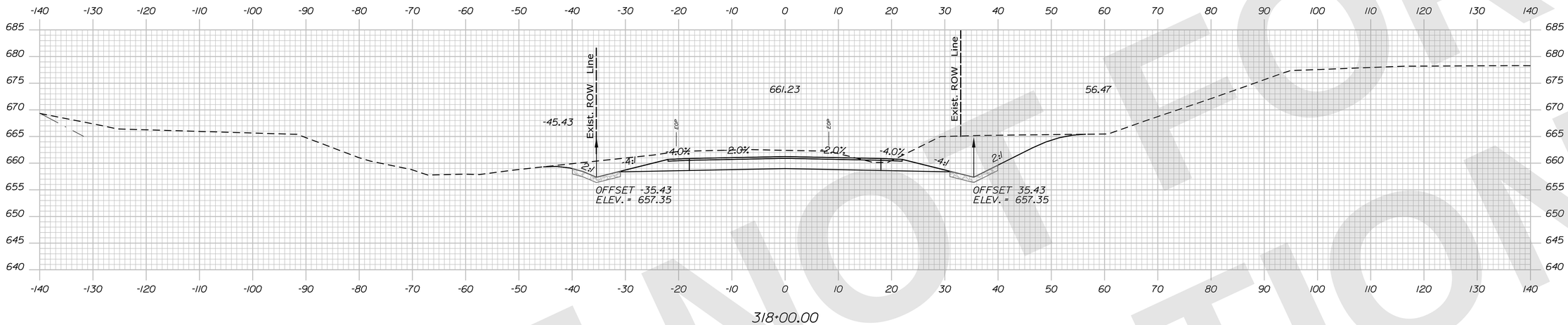
CROSS SECTIONS

SHEET NUMBER
H-372
476
OF 747

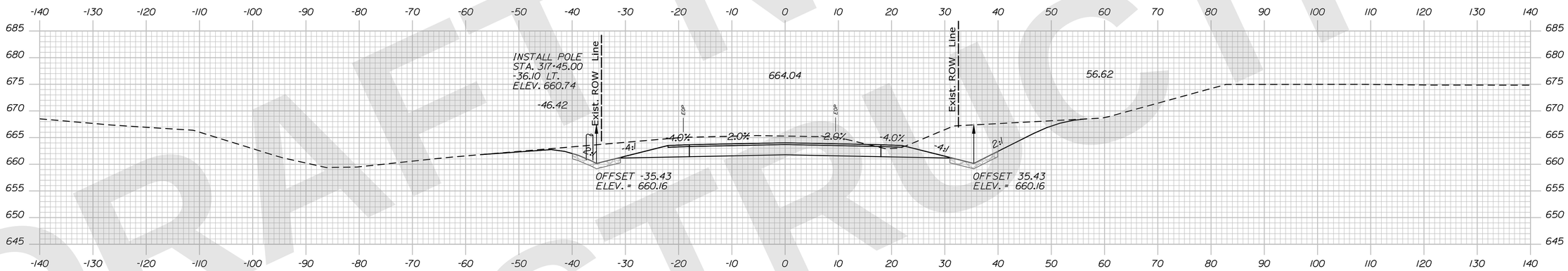
DRAFT NOT FOR CONSTRUCTION

Sta. 315+50.00 to Sta. 316+50.00

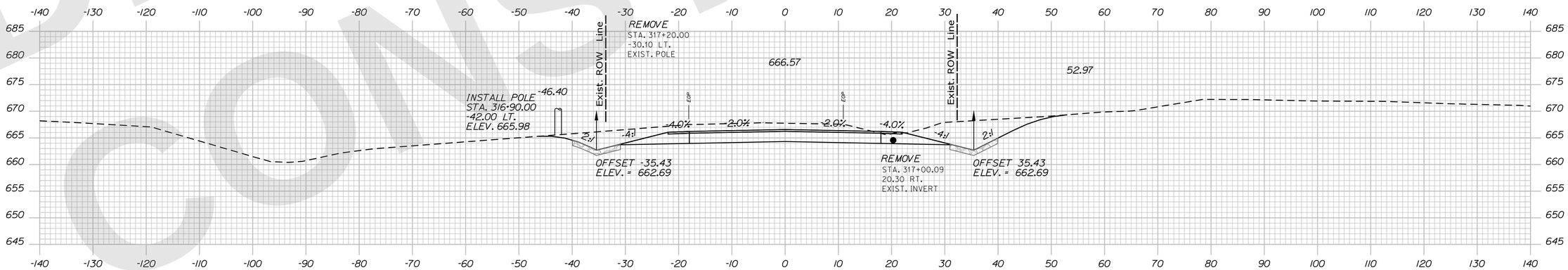
DRAFT NOT FOR CONSTRUCTION



318+00.00



317+50.00



317+00.00

Sta. 317+00.00 to Sta. 318+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 6462.92

HIGHWAY PLANS

vhb

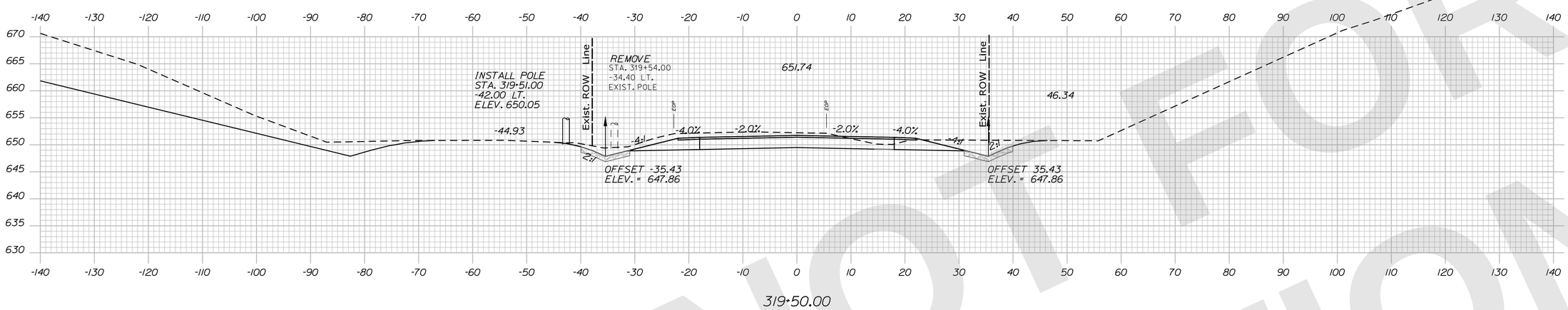
	R.M.	BY	DATE
PROJ. MANAGER			
DESIGN-DETAILED	ZBW	JBD	9/2/2025
CHECKED-REVIEWED	ECF	AG	9/2/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

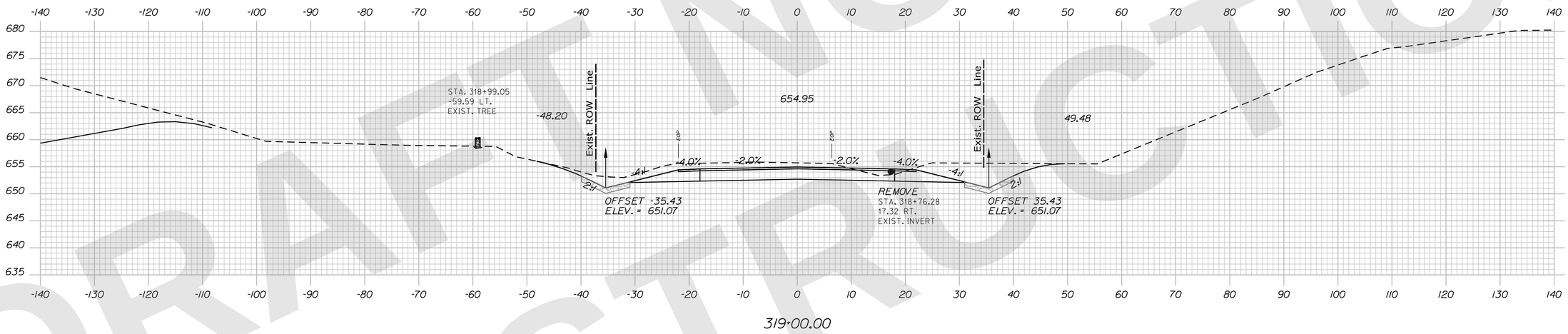
PRESQUE ISLE
CONANT ROAD

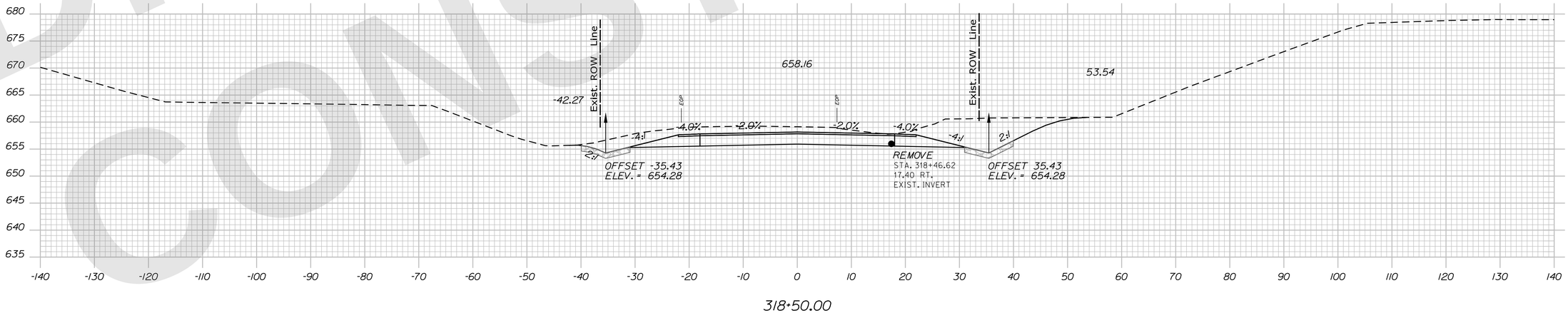
CROSS SECTIONS

SHEET NUMBER
H-373
477
OF 747

Filename: ...\H5_02_Xsects_Conant_Rd.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025







STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN
6462.92

HIGHWAY PLANS

vhb

	R.M.	BY	DATE
PROJ. MANAGER			
DESIGN-DETAILED	ZBW	JBD	9/2/2025
CHECKED-REVIEWED	ECF	AG	9/2/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

PRESQUE ISLE
CONANT ROAD

CROSS SECTIONS

SHEET NUMBER
H-374
478
OF 747

Sta. 318+50.00 to Sta. 319+50.00

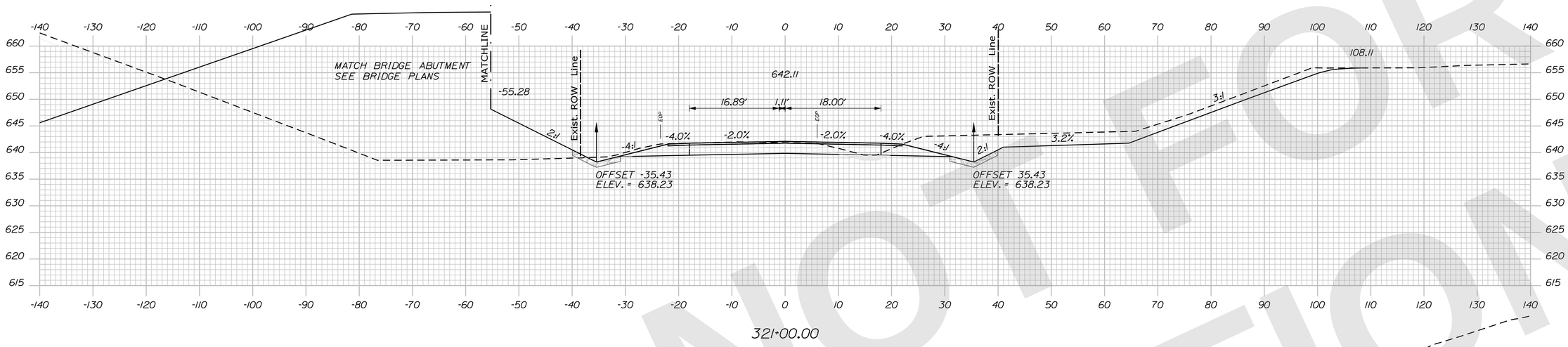
PRELIMINARY NOT FOR CONSTRUCTION

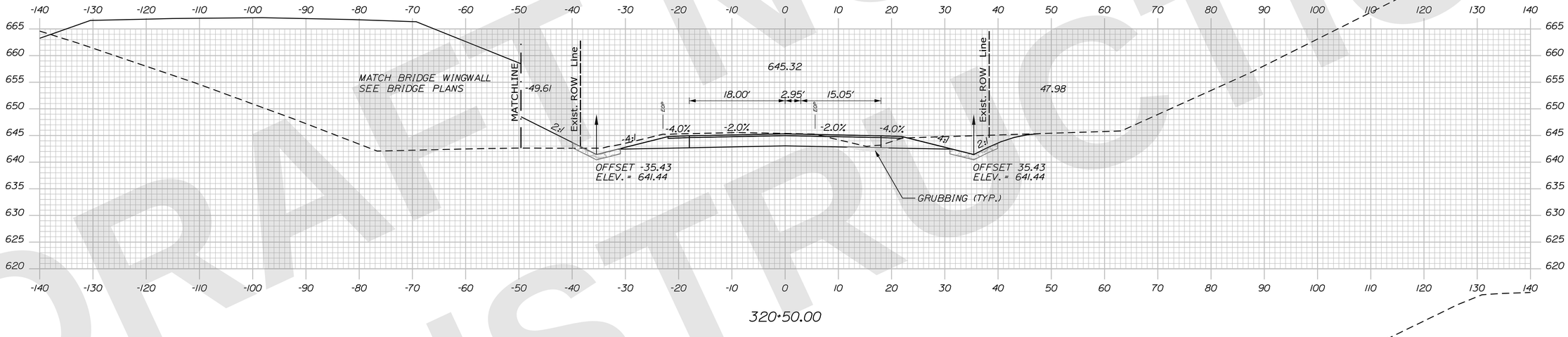
Filename: ...\H5_02_Xsects_Conant_Rd.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025

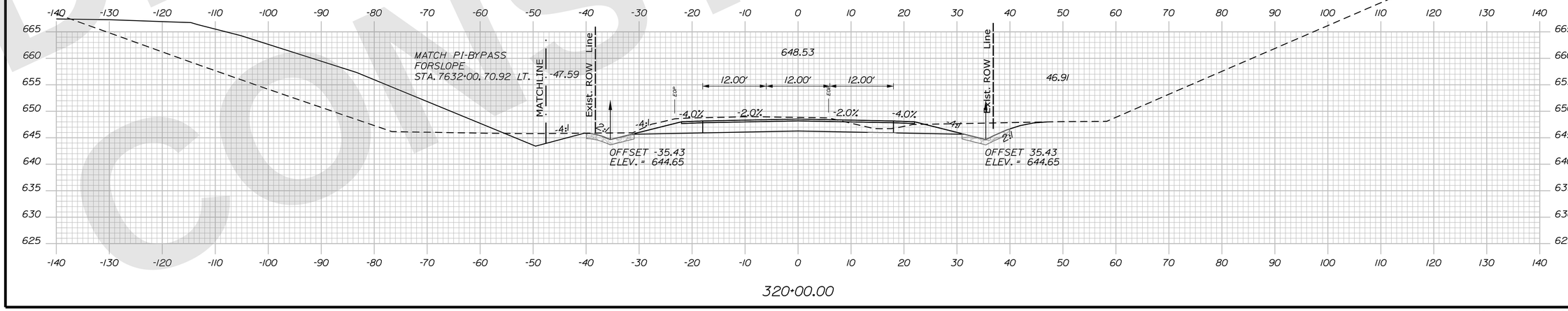
Filename: ...\H5_02_Xsects_ConantL_Rd.dgn Username: jamesdavis Division: HIGHWAY Date:9/2/2025

DRAFT NOT FOR CONSTRUCTION

SEE BRIDGE PLANS
FOR ABUTMENT LOCATIONS







STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 6462.92

HIGHWAY PLANS

vhb

PROJ. MANAGER	R.M.	BY	DATE
DESIGN-DETAILED	ZBW	JBD	9/2/2025
CHECKED-REVIEWED	ECF	AG	9/2/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

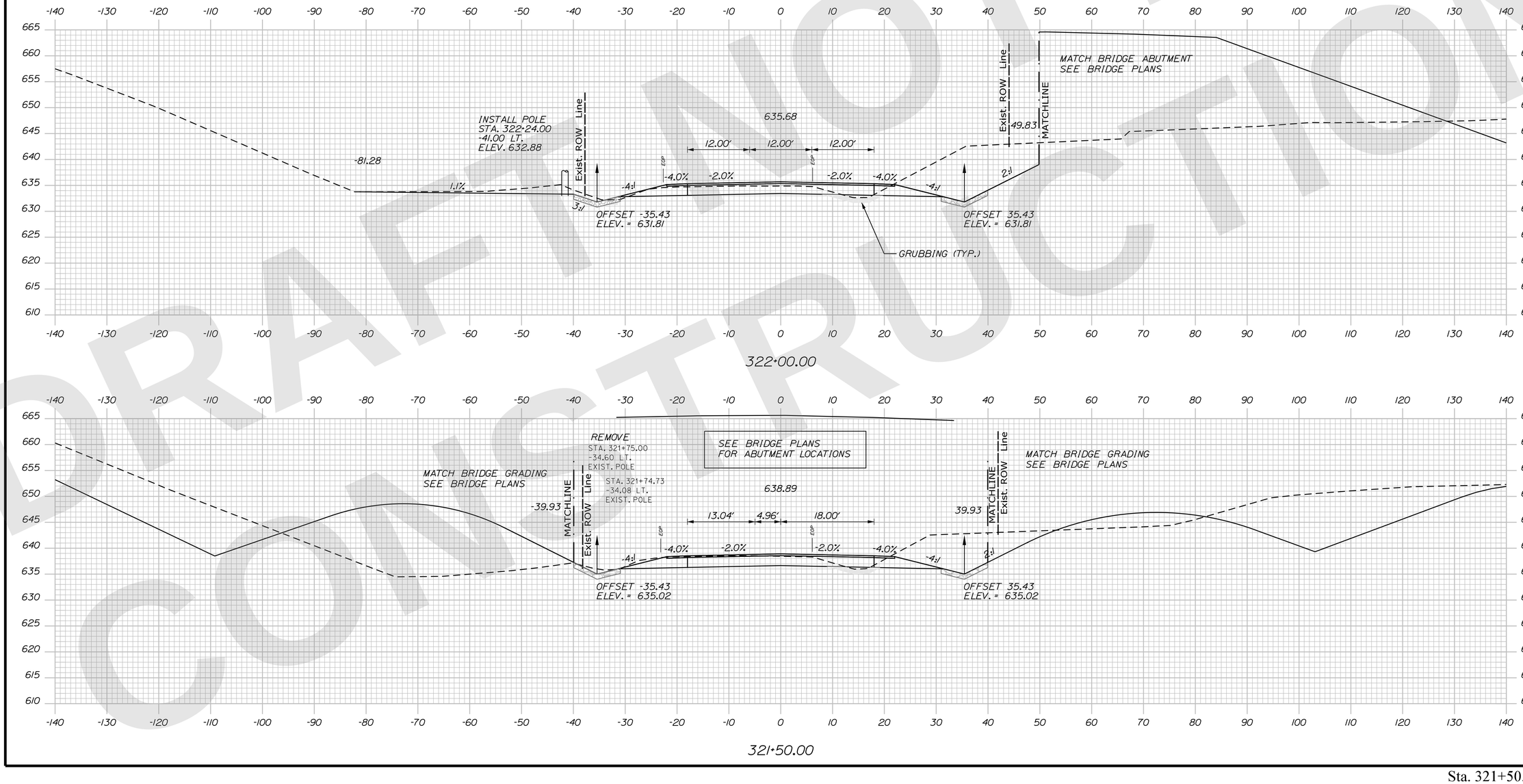
PRESQUE ISLE
CONANT ROAD

CROSS SECTIONS

SHEET NUMBER
H-375
479
OF 747

Sta. 320+00.00 to Sta. 321+00.00

Filename: ...\H5_02_Xsects_Conant_Rd.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025



Sta. 321+50.00 to Sta. 322+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN
6462.92

HIGHWAY PLANS

vhb

	R.M.	BY	DATE
PROJ. MANAGER			
DESIGN-DETAILED	ZBW	JBD	9/2/2025
CHECKED-REVIEWED	ECF	AG	9/2/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

PRESQUE ISLE
CONANT ROAD

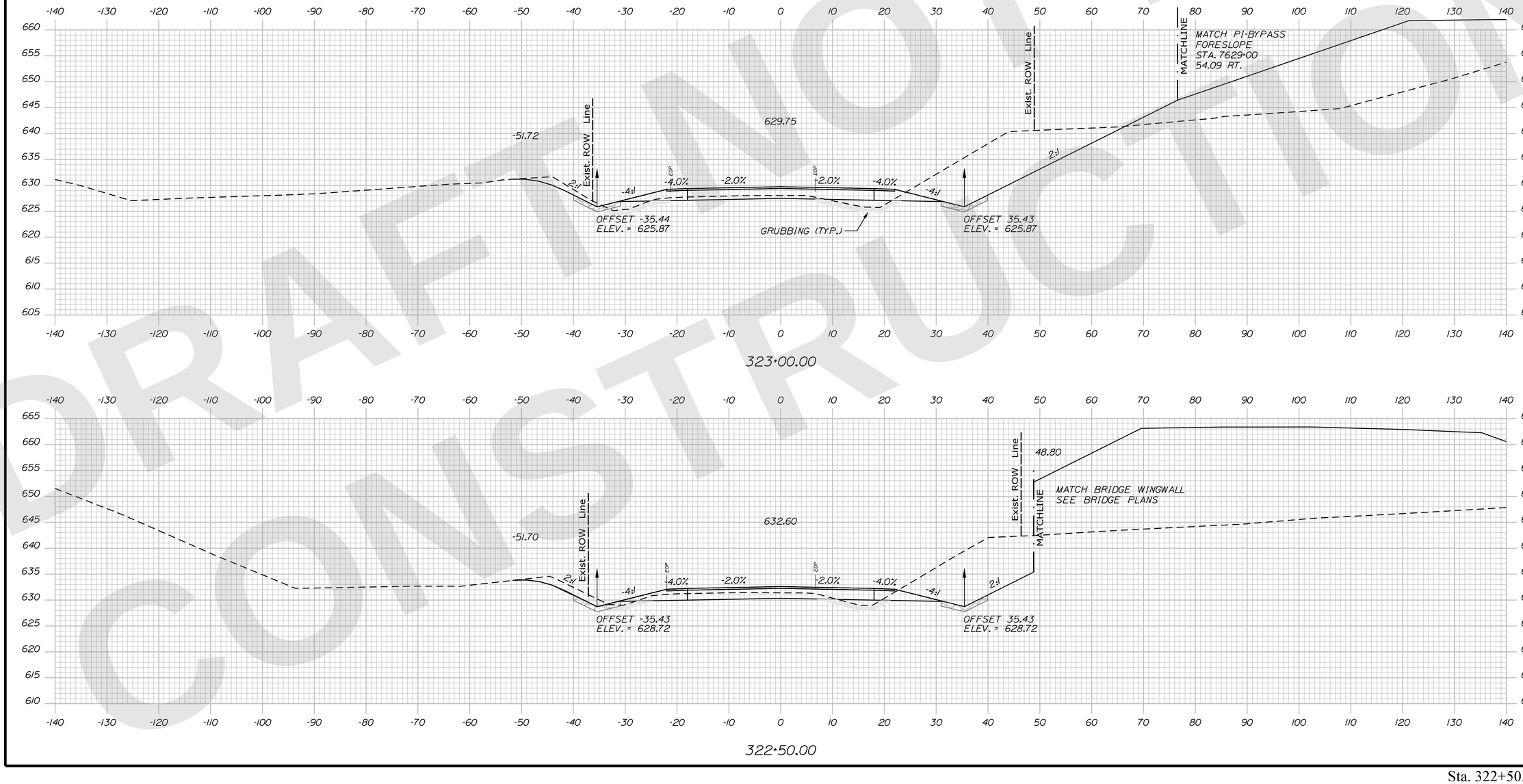
CROSS SECTIONS

SHEET NUMBER
H-376
480
OF 747

DRAFT NOT FOR CONSTRUCTION

Username: jamesdavis Date:9/2/2025
Division: HIGHWAY
Filename: ...\H5_02_Xsects_ConantL_Rd.dgn

DRAFT NOT FOR CONSTRUCTION



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 6462.92

HIGHWAY PLANS

vhb

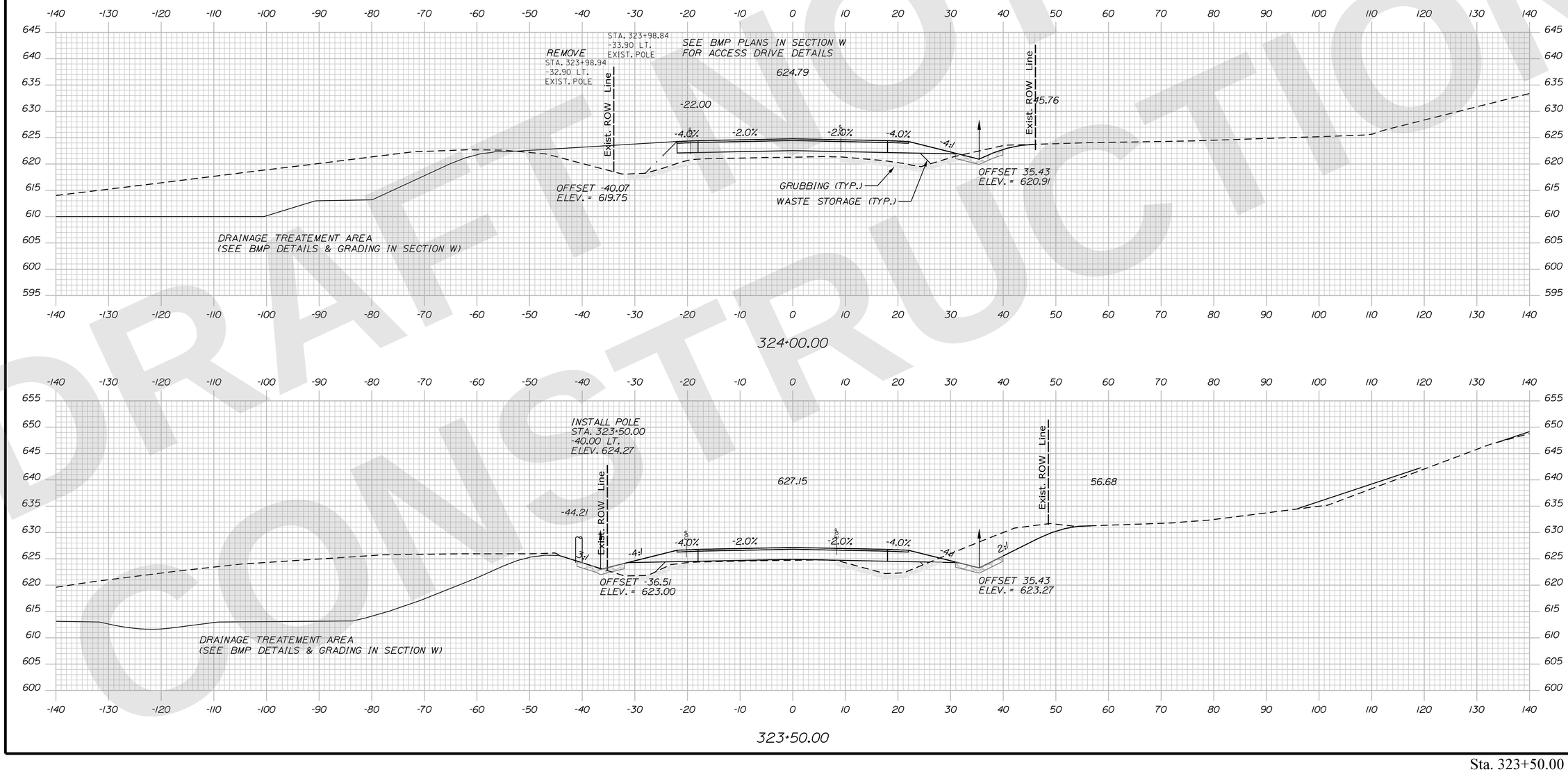
	R.M.	BY	DATE
PROJ. MANAGER			
DESIGN-DETAILED	ZBW	JBD	9/2/2025
CHECKED-REVIEWED	ECF	AG	9/2/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

PRESQUE ISLE
CONANT ROAD

CROSS SECTIONS

SHEET NUMBER
H-377
481
OF 747

Sta. 322+50.00 to Sta. 323+00.00



Sta. 323+50.00 to Sta. 324+00.00

DRAFT NOT FOR CONSTRUCTION

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN
6462.92

HIGHWAY PLANS

vhb

	R.M.	BY	DATE
PROJ. MANAGER			
DESIGN-DETAILED	ZBW	JBD	9/2/2025
CHECKED-REVIEWED	ECF	AG	9/2/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

PRESQUE ISLE
CONANT ROAD

CROSS SECTIONS

SHEET NUMBER
H-378
482
OF 747

Filename: ...\H5_02_Xsects_ConantRd.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025

Filename: ...\H5_02_Xsects_Conant_Rd.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025

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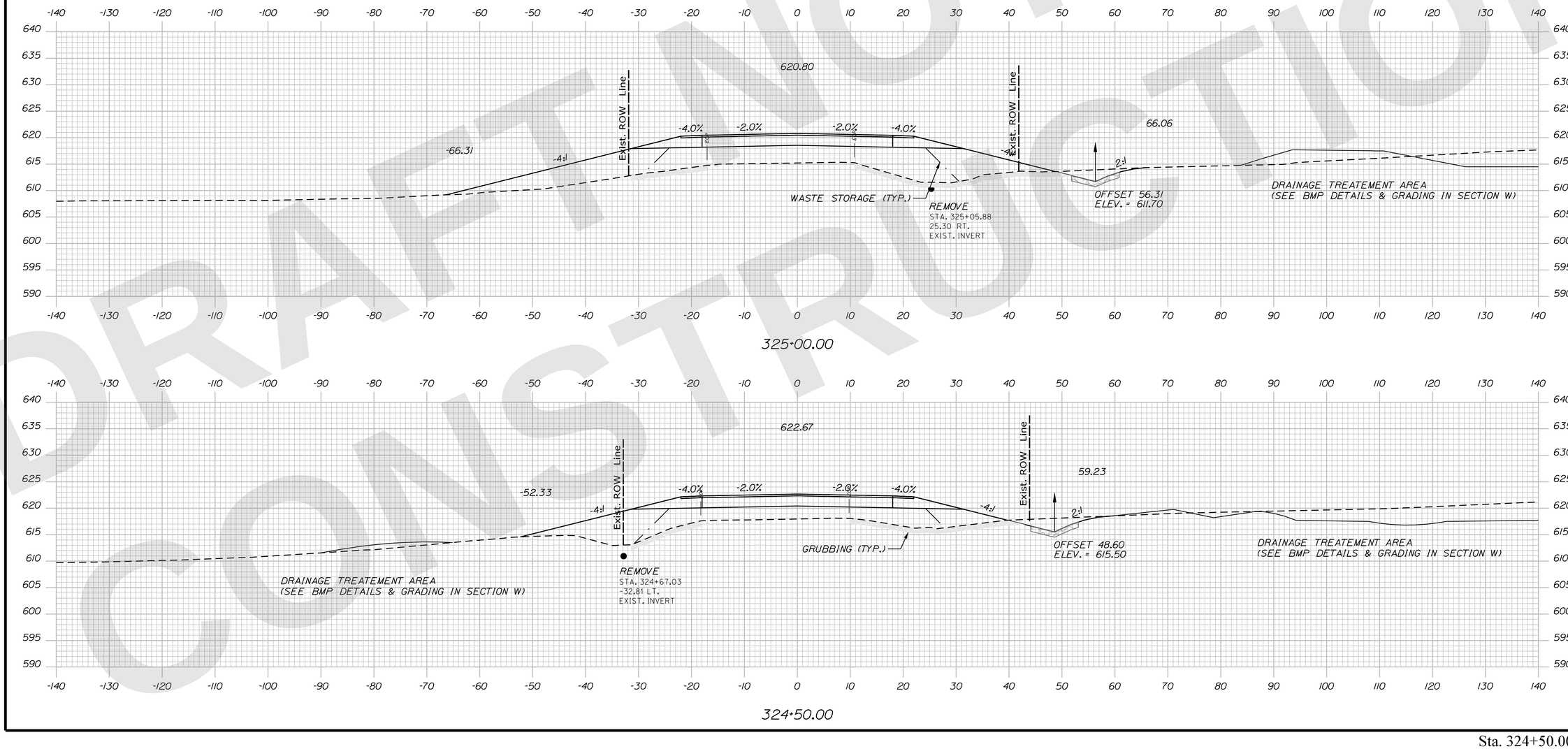


STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 6462.92

HIGHWAY PLANS

vhb

	BY	DATE
PROJ. MANAGER	R.M.	
DESIGN-DETAILED	ZBW	9/2/2025
CHECKED-REVIEWED	JBD	9/2/2025
DESIGN2-DETAILED2	EOF	
DESIGN3-DETAILED3	AG	
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

PRESQUE ISLE
CONANT ROAD

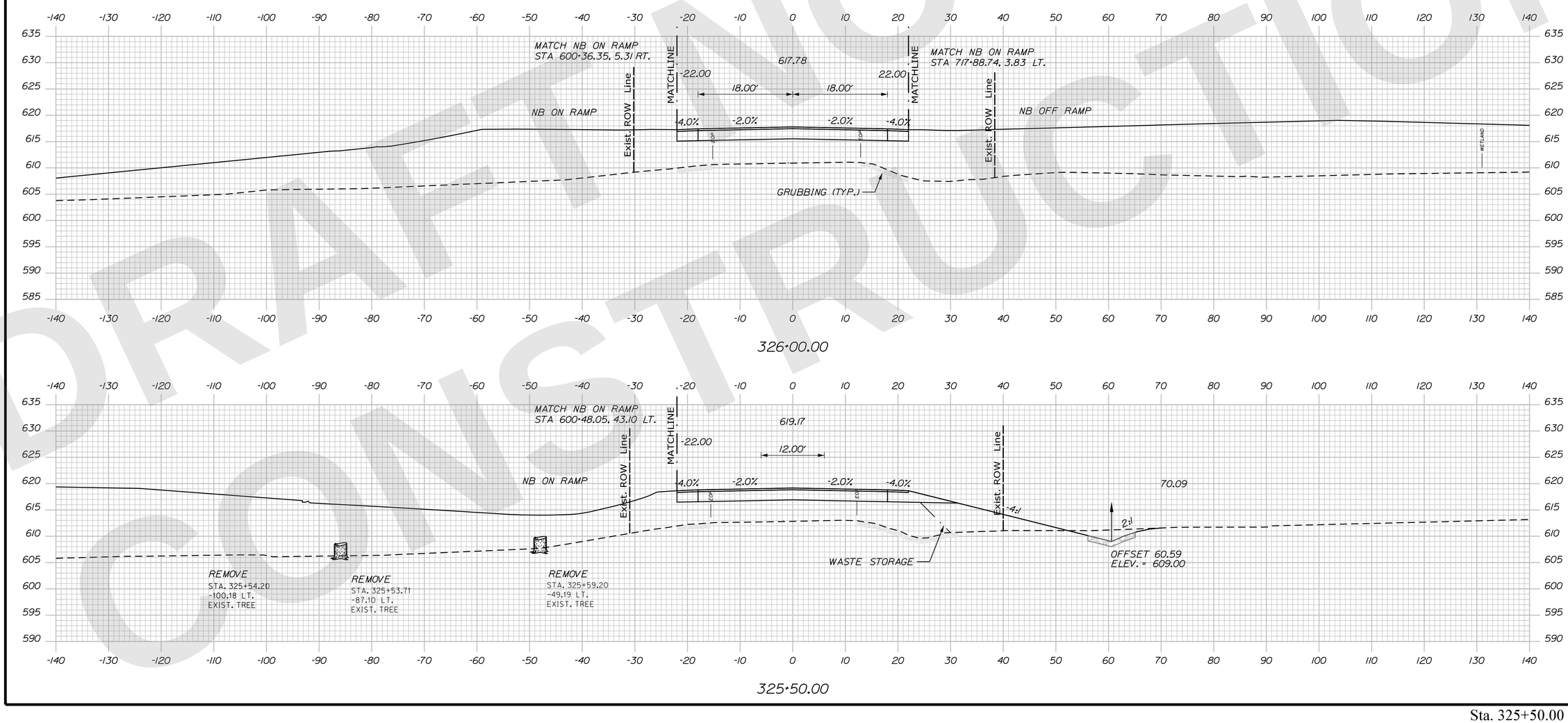
CROSS SECTIONS

SHEET NUMBER
H-379
483
OF 747

Sta. 324+50.00 to Sta. 325+00.00

Filename: ...\H5_02_Xsects_Conant_Rd.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025

DRAFT NOT FOR CONSTRUCTION



Sta. 325+50.00 to Sta. 326+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN
6462.92

HIGHWAY PLANS

vhb

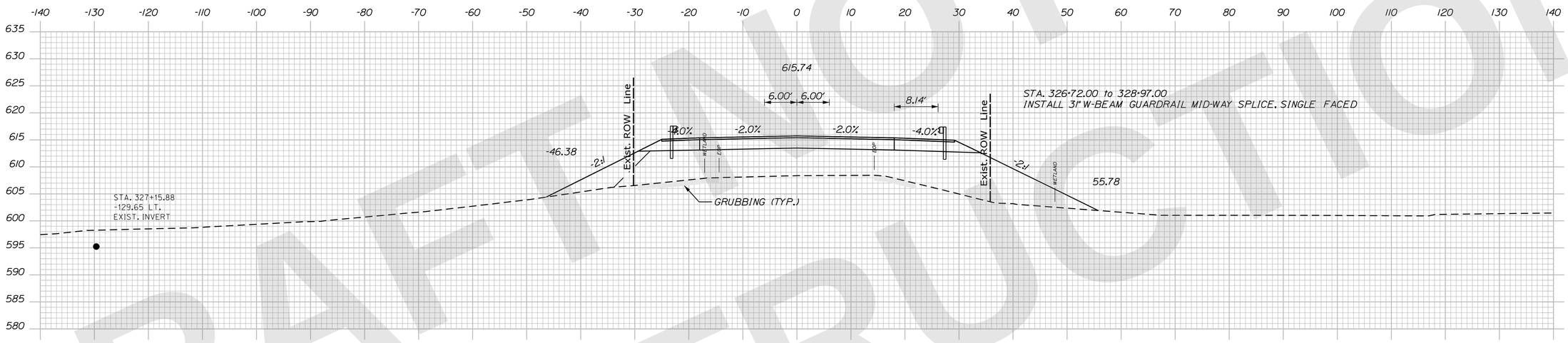
	R.M.	BY	DATE
PROJ. MANAGER			
DESIGN-DETAILED	ZBW	JBD	9/2/2025
CHECKED-REVIEWED	ECF	AG	9/2/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

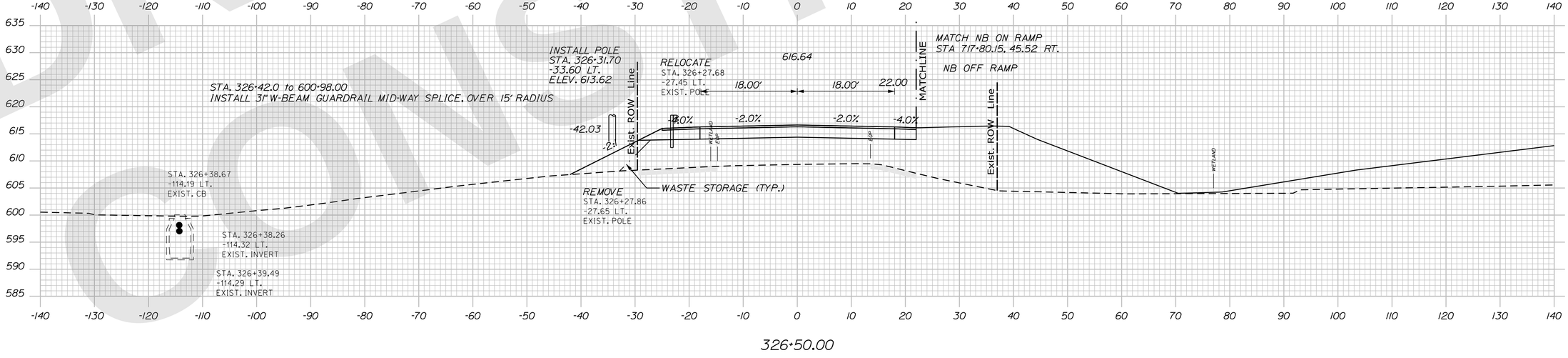
PRESQUE ISLE
CONANT ROAD

CROSS SECTIONS

SHEET NUMBER
H-380
484
OF 747

DRAFT NOT FOR CONSTRUCTION





STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN
6462.92

HIGHWAY PLANS

vhb

	R.M.	BY	DATE
PROJ. MANAGER			
DESIGN-DETAILED	ZBW	JBD	9/2/2025
CHECKED-REVIEWED	ECF	AG	9/2/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

PRESQUE ISLE
CONANT ROAD

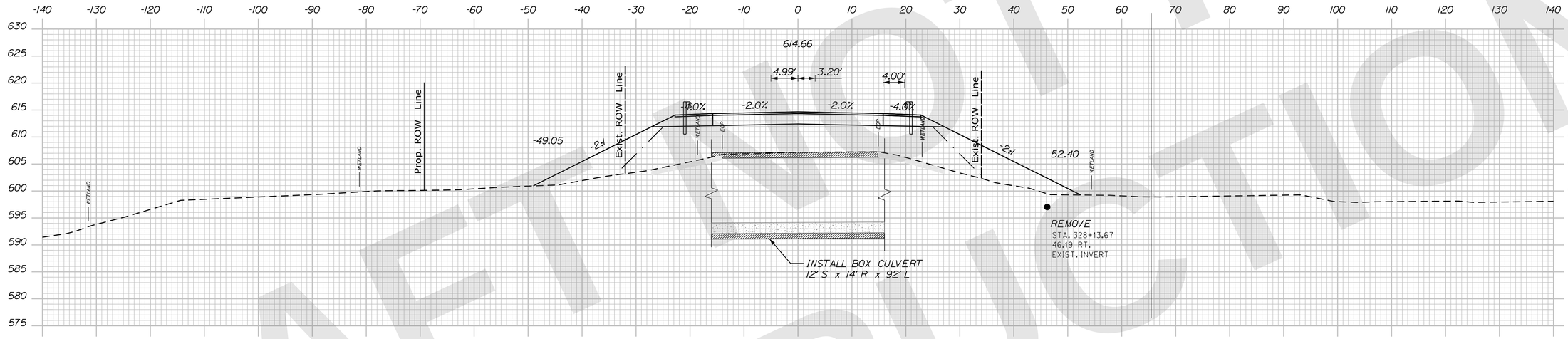
CROSS SECTIONS

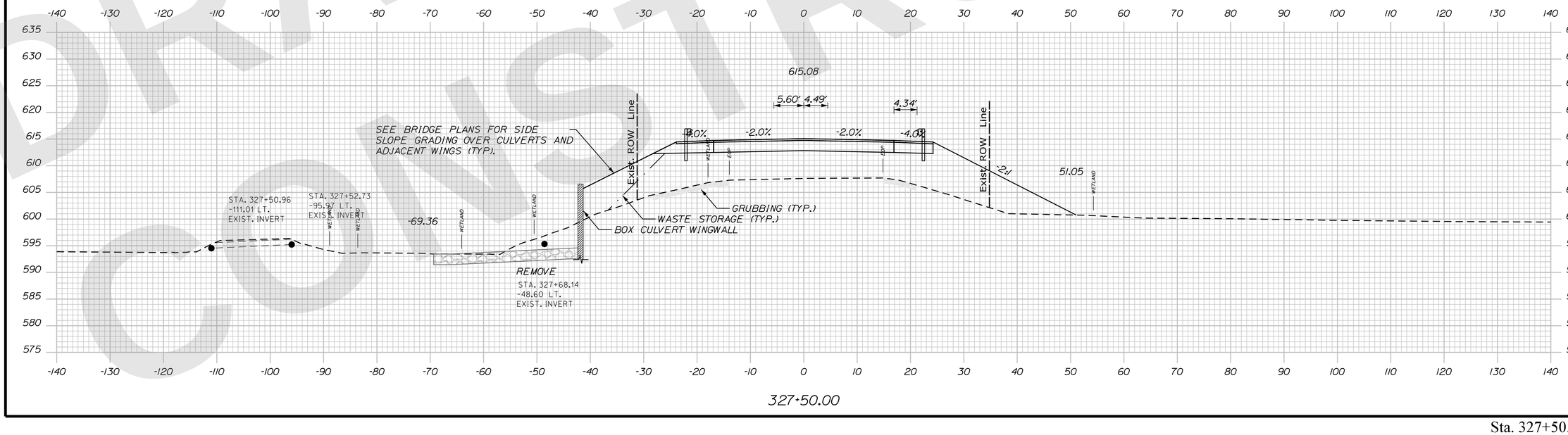
SHEET NUMBER
H-381
485
OF 747

Sta. 326+50.00 to Sta. 327+00.00

Filename: ...\H5_02_Xsects_Conant_Rd.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025

DRAFT FOR CONSTRUCTION





STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 6462.92

HIGHWAY PLANS

vhb

PROJ. MANAGER	R.M.	BY	DATE
DESIGN-DETAILED	ZBW	JBD	9/2/2025
CHECKED-REVIEWED	ECF	AG	9/2/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

PRESQUE ISLE
CONANT ROAD

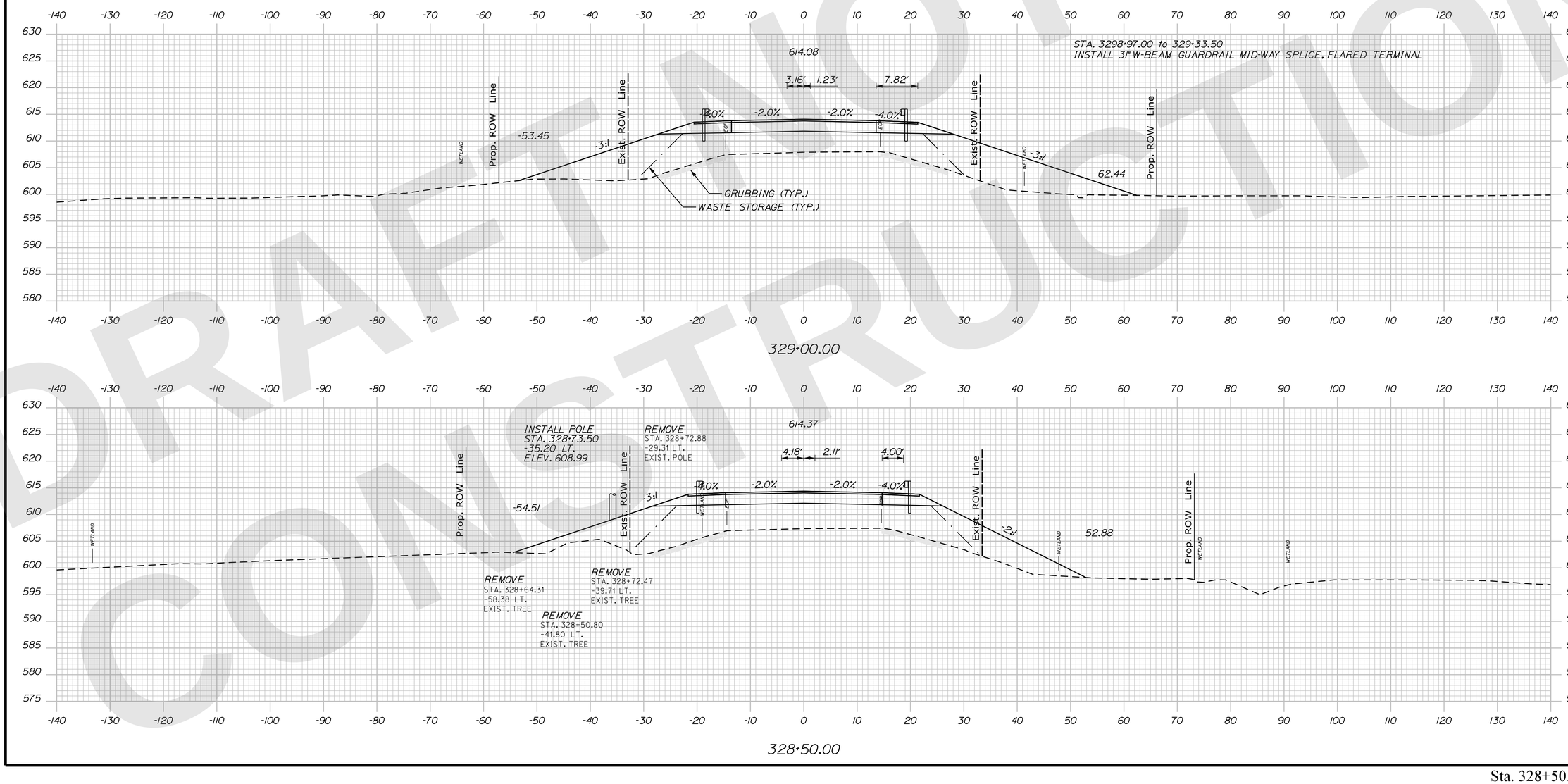
CROSS SECTIONS

SHEET NUMBER
H-382
486
OF 747

Sta. 327+50.00 to Sta. 328+00.00

Filename: ...\H5_02_Xsects_ConantL_Rd.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025

DRAFT NOT FOR CONSTRUCTION



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 6462.92

HIGHWAY PLANS

vhb

	BY	DATE
PROJ. MANAGER	R.M.	
DESIGN-DETAILED	JBD	9/2/2025
CHECKED-REVIEWED	AG	9/2/2025
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

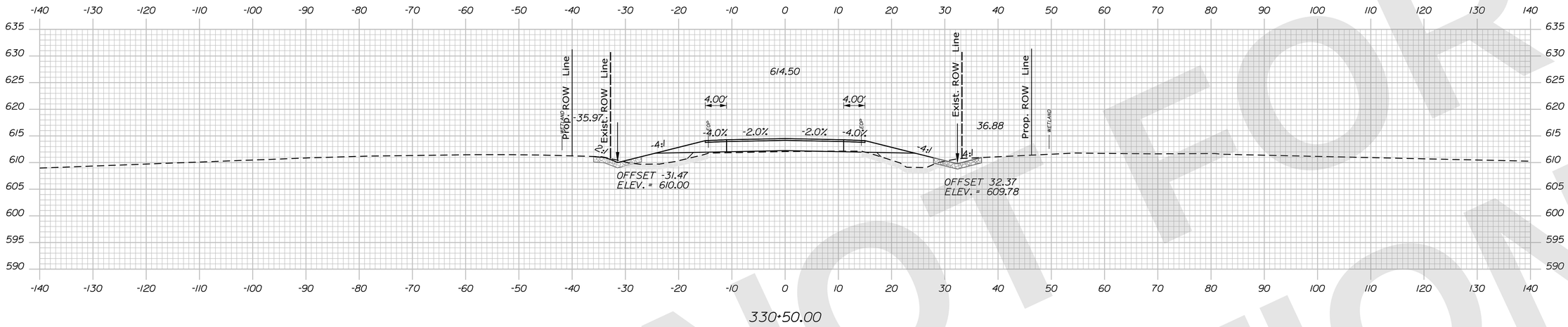
PRESQUE ISLE
CONANT ROAD

CROSS SECTIONS

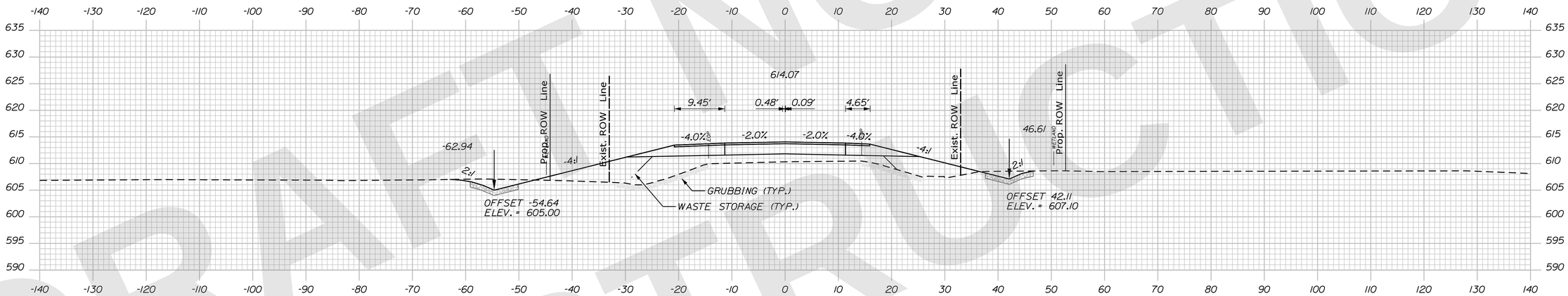
SHEET NUMBER
H-383
487
OF 747

Sta. 328+50.00 to Sta. 329+00.00

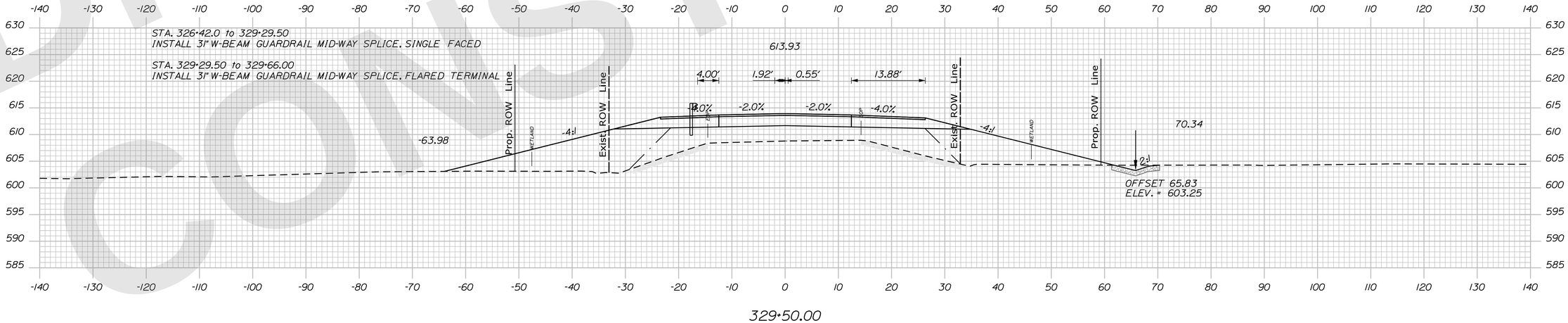
Filename: ...\H5_02_Xsects_ConantRd.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025



330+50.00



330+00.00



329+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 6462.92

HIGHWAY PLANS

vhb

	BY	DATE
R.M.	JBD	9/2/2025
PROJ. MANAGER	AG	9/2/2025
DESIGN-DETAILED	ZBW	
CHECKED-REVIEWED	EOF	
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

PRESQUE ISLE
CONANT ROAD

CROSS SECTIONS

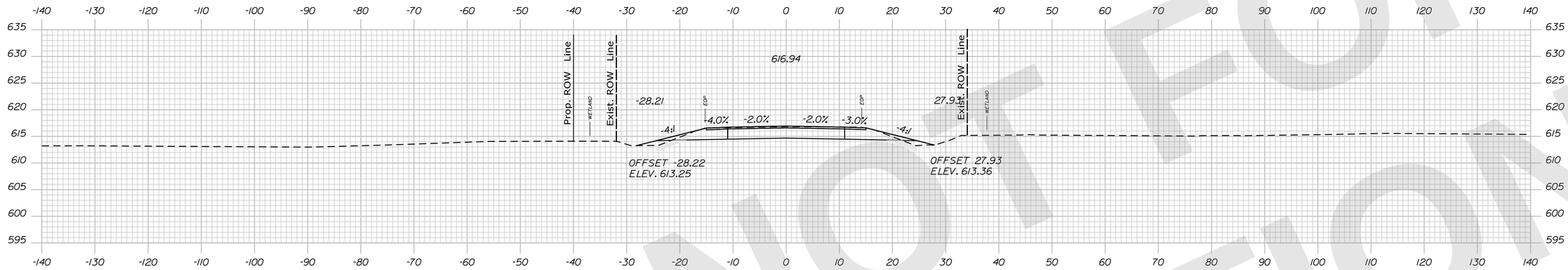
SHEET NUMBER
H-384
488
OF 747

Sta. 329+50.00 to Sta. 330+50.00

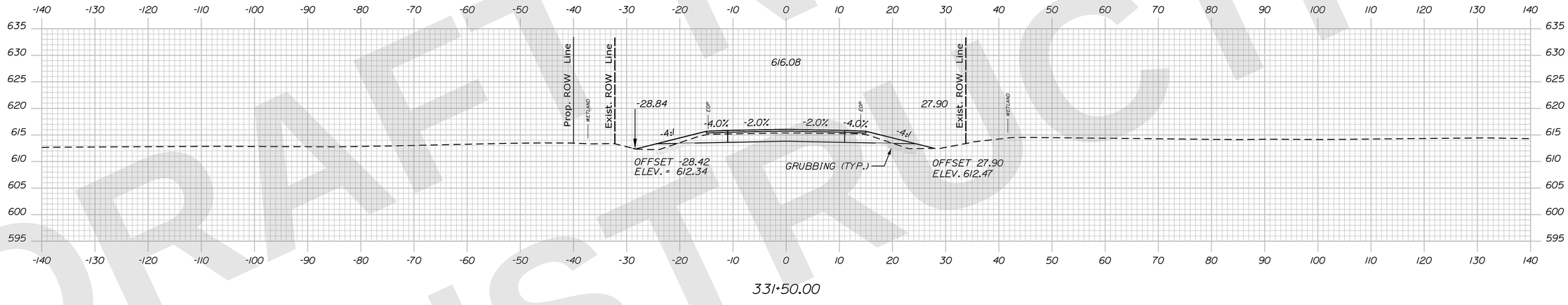
Filename: ...\H5_02_Xsects_Conant_Rd.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025

DRAFT NOT FOR CONSTRUCTION

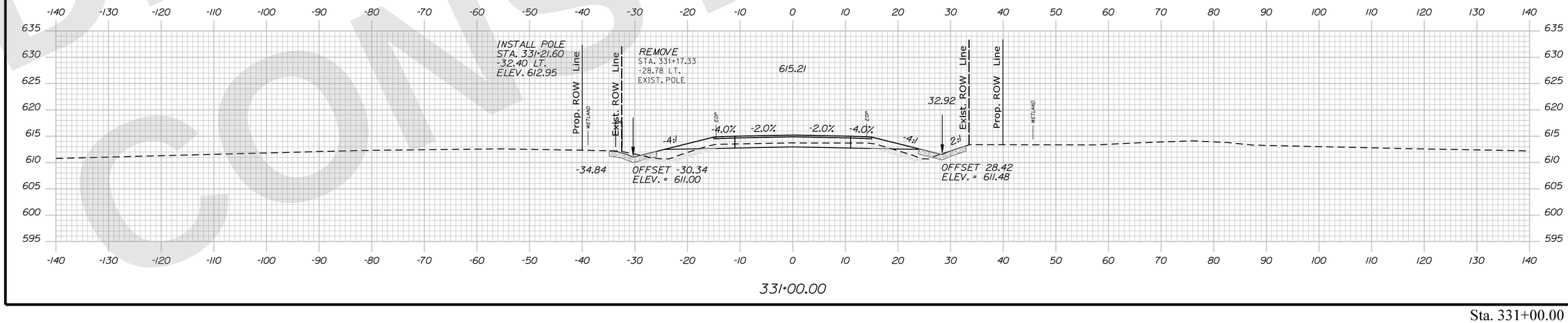
Filename: ...\H5_02_Xsects_ConantL_Rd.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025



332+00.00



331+50.00



331+00.00

Sta. 331+00.00 to Sta. 332+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN
6462.92

HIGHWAY PLANS

vhb

PROJ. MANAGER	R.M.	BY	DATE
DESIGN-DETAILED	ZBW	JBD	9/2/2025
CHECKED-REVIEWED	EOF	AG	9/2/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

PRESQUE ISLE
CONANT ROAD

CROSS SECTIONS

SHEET NUMBER
H-385
489
OF 747

DRAFT NOT FOR CONSTRUCTION

Username: jamesdavis Date:9/2/2025
Division: HIGHWAY
Filename: ...\H5_02_Xsects_Conant_Rd.dgn

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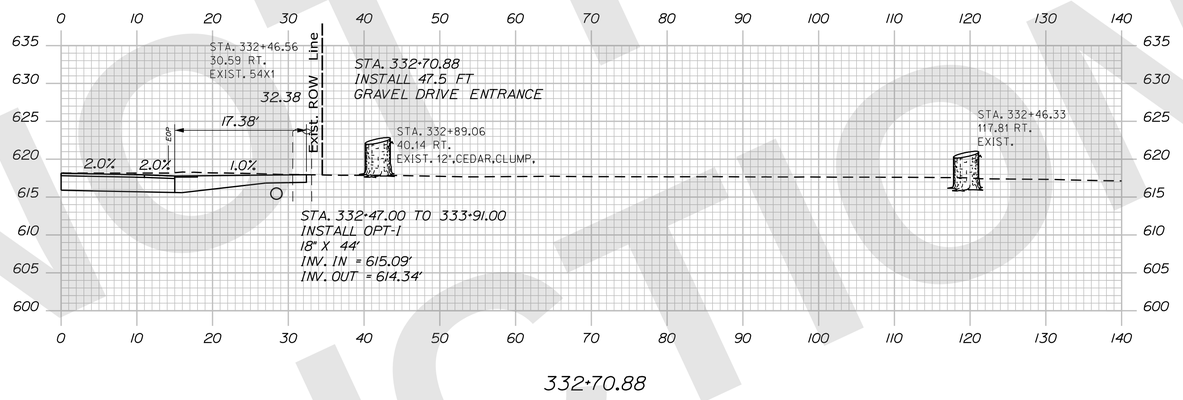
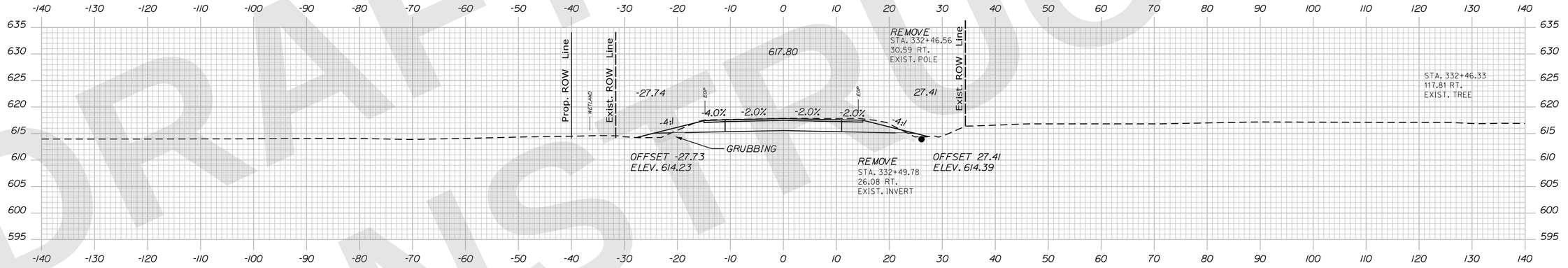


332+70.88



332+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN
6462.92

HIGHWAY PLANS

vhb

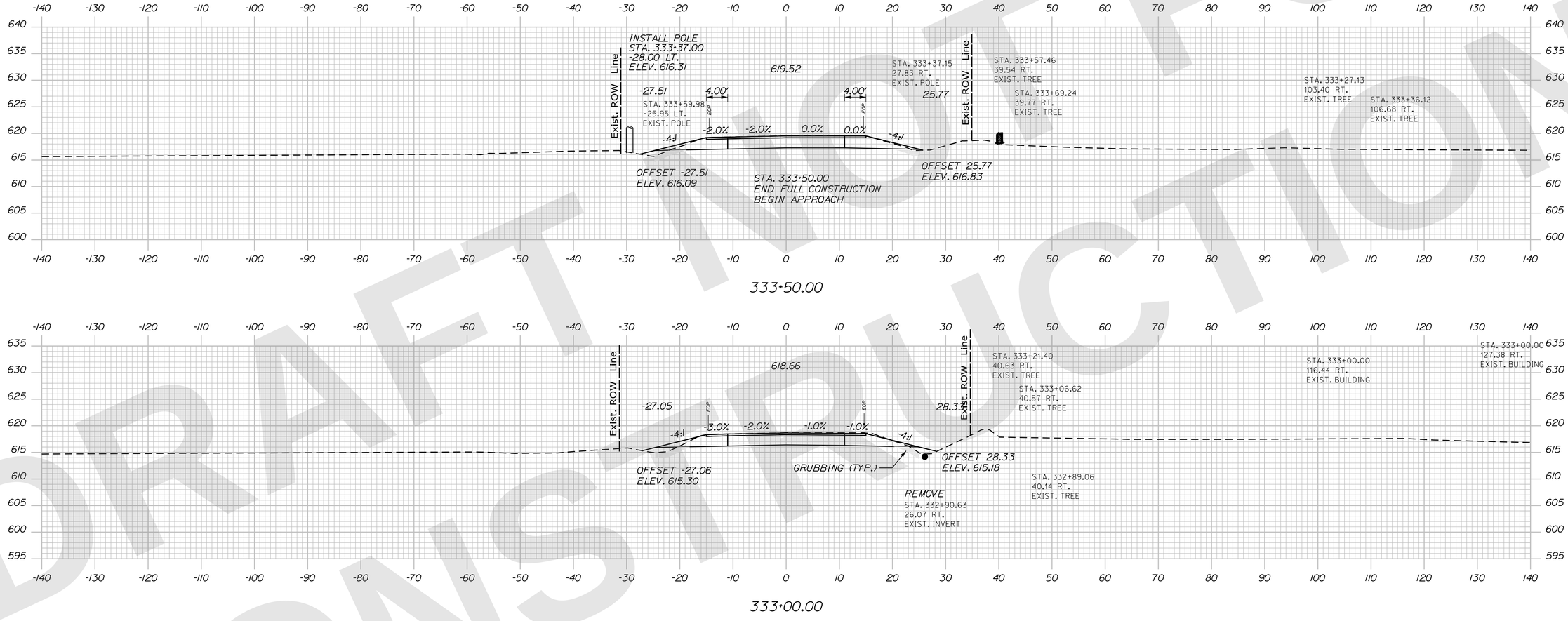
PROJ. MANAGER	R.M.		
DESIGN-DETAILED	ZBW	JBD	9/2/2025
CHECKED-REVIEWED	ECF	AG	9/2/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

PRESQUE ISLE
CONANT ROAD

CROSS SECTIONS

SHEET NUMBER
H-386
490
OF 747

Sta. 332+50.00 to Sta. 332+70.88



DRAFT NOT FOR CONSTRUCTION

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 6462.92

HIGHWAY PLANS

vhb

	BY	DATE
PROJ. MANAGER	R.M.	
DESIGN-DETAILED	ZBW	9/2/2025
CHECKED-REVIEWED	ECF	9/2/2025
DESIGN2-DETAILED2	AG	
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

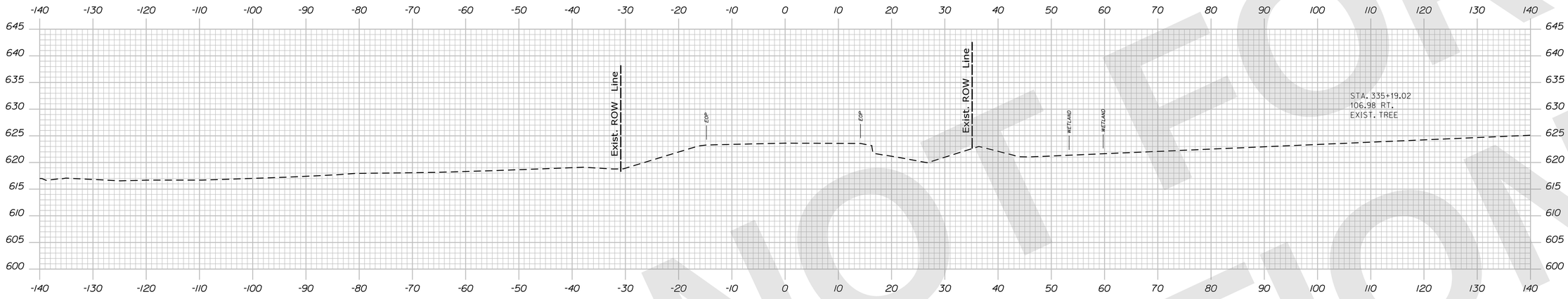
PRESQUE ISLE
CONANT ROAD

CROSS SECTIONS

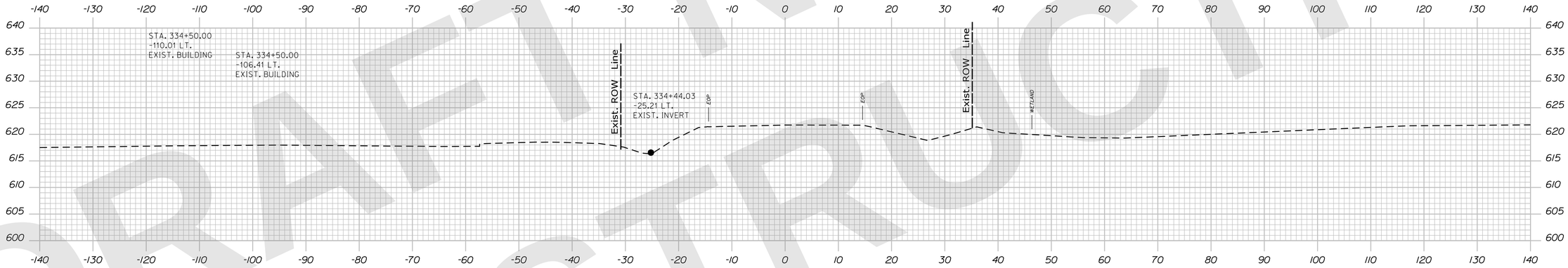
SHEET NUMBER
H-387
491
OF 747

Sta. 333+00.00 to Sta. 333+50.00

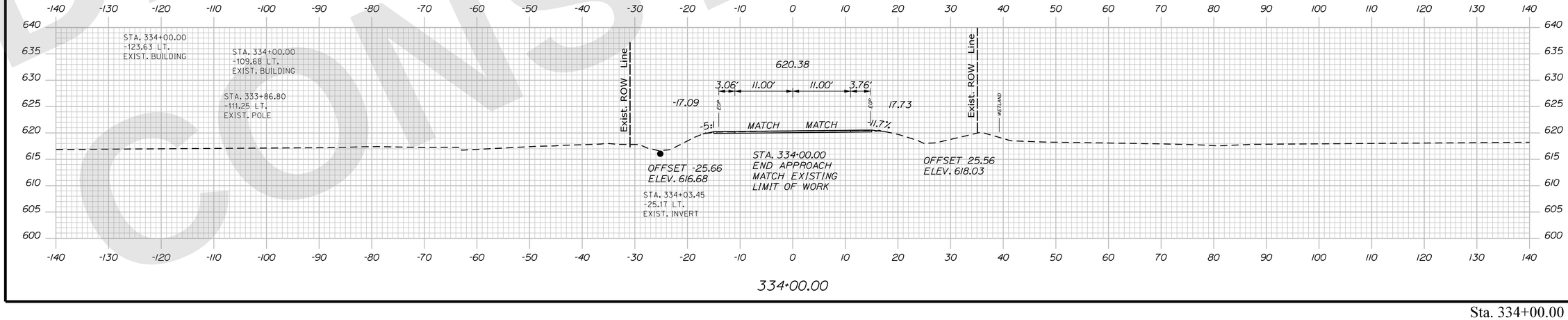
Username: jamesdavis Date:9/2/2025
Division: HIGHWAY
Filename: ...\H5_02_Xsects_Conant_Rd.dgn



335+00.00



334+50.00



334+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 6462.92

HIGHWAY PLANS

vhb

	BY	DATE
R.M.	JBD	9/2/2025
PROJ. MANAGER	AG	9/2/2025
DESIGN-DETAILED		
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

PRESQUE ISLE
CONANT ROAD

CROSS SECTIONS

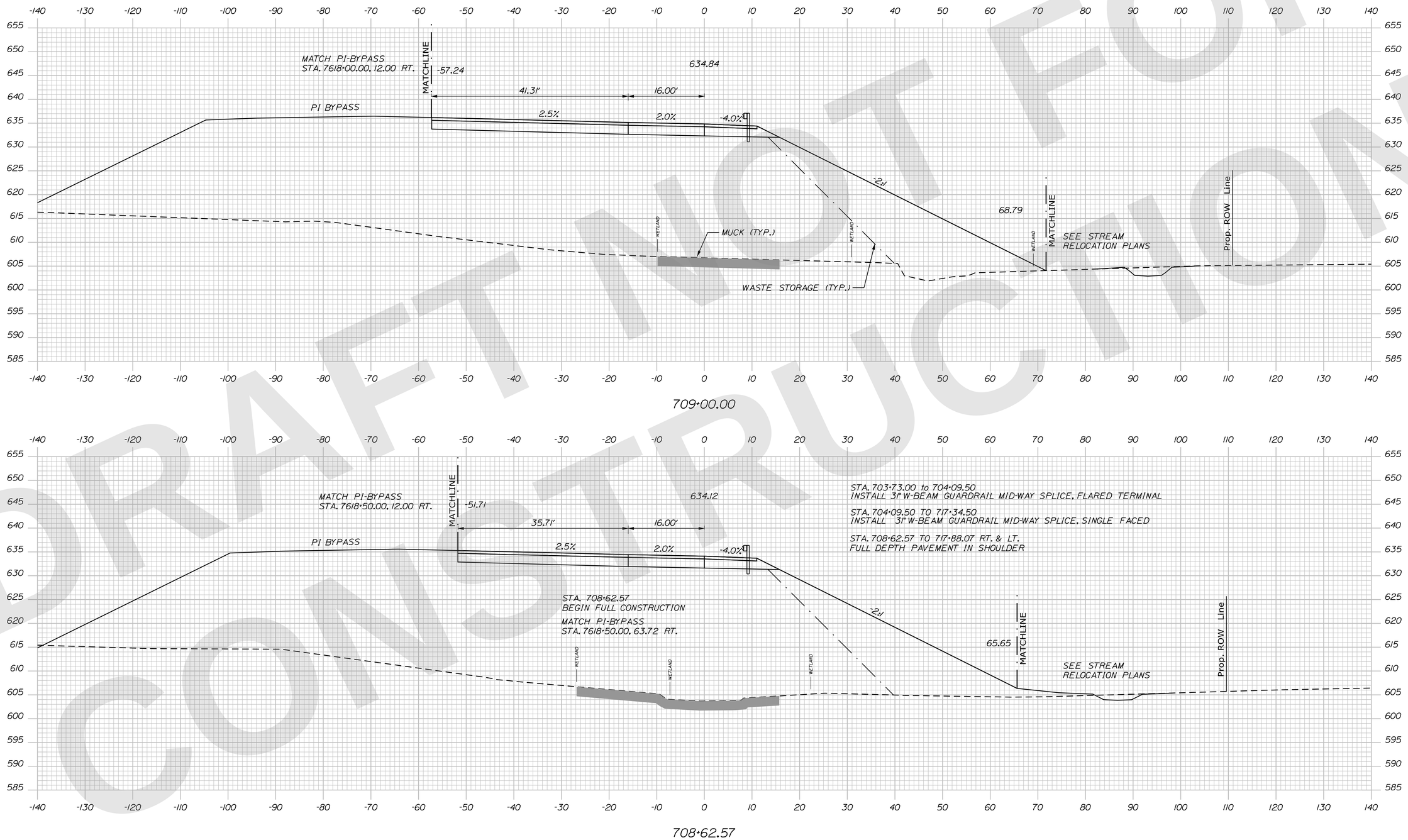
SHEET NUMBER
H-388
492
OF 747

Sta. 334+00.00 to Sta. 335+00.00

DRAFT NOT FOR CONSTRUCTION

Filename: ...\H5_02_Xsects_Conant_Rd.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025

DRAFT NOT FOR CONSTRUCTION



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 6462.92

HIGHWAY PLANS

vhb

	R.M.	BY	DATE
PROJ. MANAGER			
DESIGN-DETAILED	ZBW	JBD	9/2/2025
CHECKED-REVIEWED	ECF	AG	9/2/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

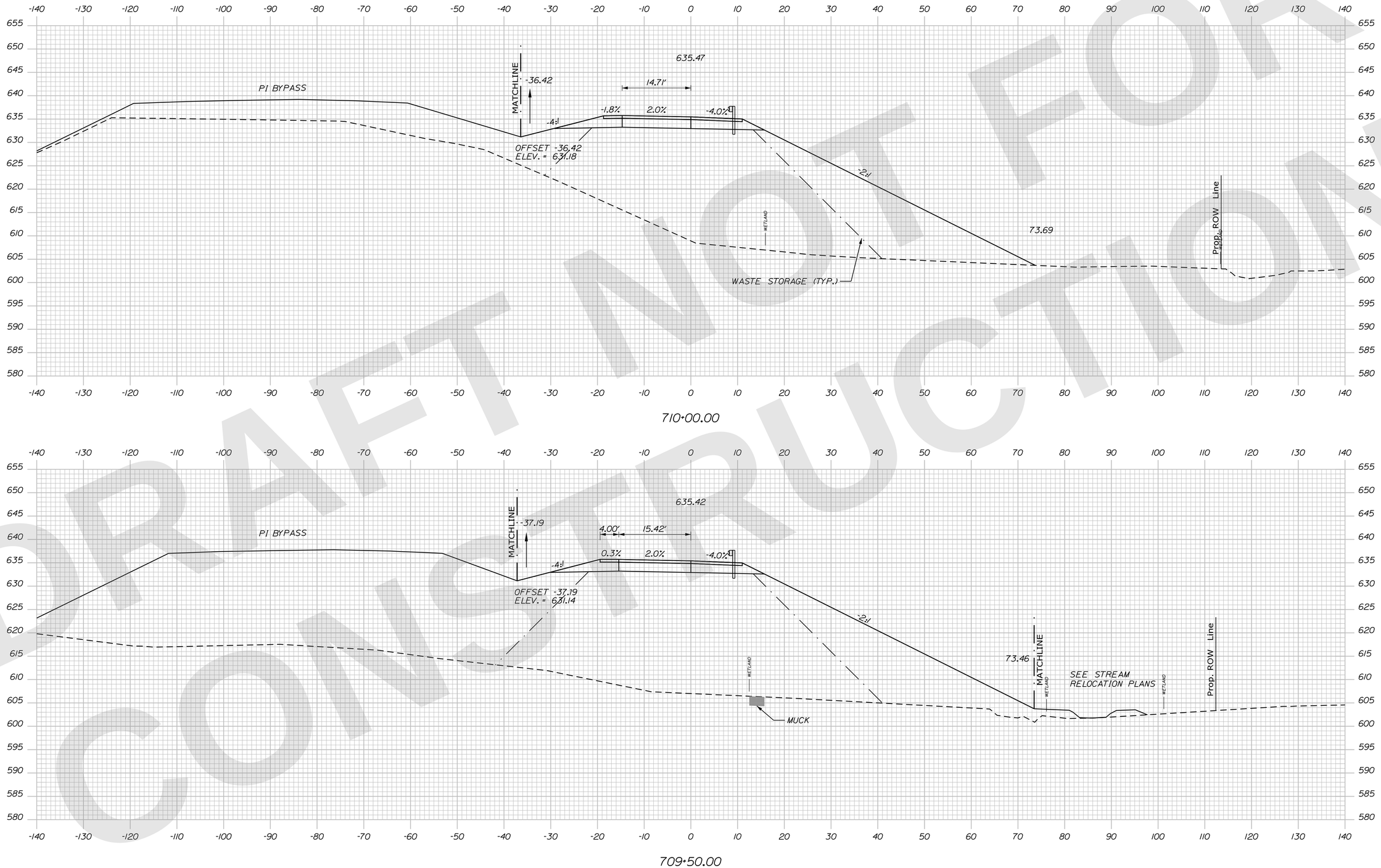
PRESQUE ISLE
NORTHBOUND OFF RAMP

CROSS SECTIONS

SHEET NUMBER
H-389
493
OF 747

Sta. 708+62.57 to Sta. 709+00.00

Filename: ...\Plonset\H5_04_Xsect_Romps.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 6462.92

HIGHWAY PLANS

vhb

		DATE
R.M.	JBD	9/2/2025
BY	AG	9/2/2025

PROJ. MANAGER	
DESIGN-DETAILED	ZBW
CHECKED-REVIEWED	ECF
DESIGN2-DETAILED2	
DESIGN3-DETAILED3	
REVISIONS 1	
REVISIONS 2	
REVISIONS 3	
REVISIONS 4	
FIELD CHANGES	

PRESQUE ISLE
NORTHBOUND OFF RAMP

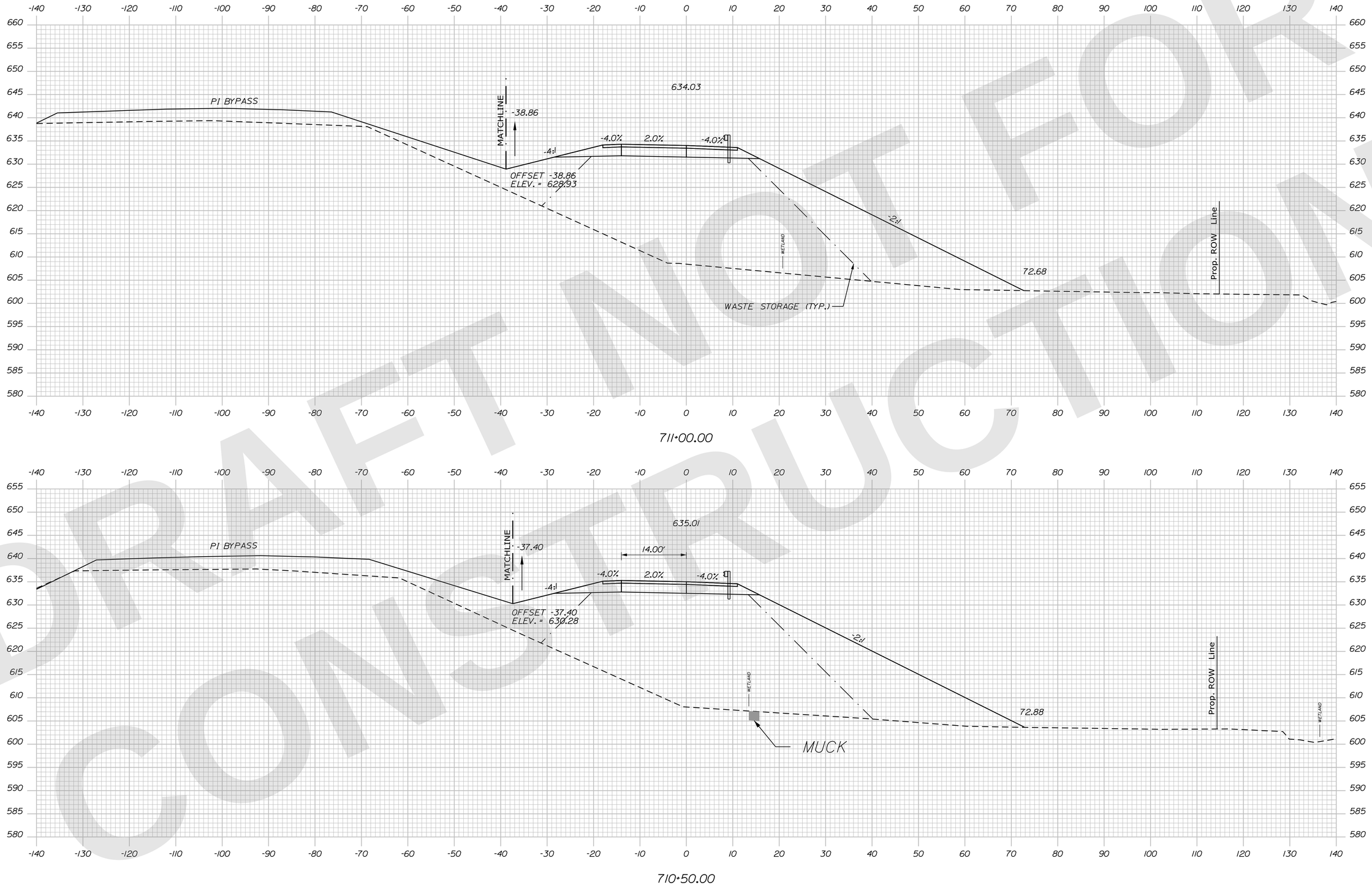
CROSS SECTIONS

SHEET NUMBER
H-390
494
OF 747

Sta. 709+50.00 to Sta. 710+00.00

Filename: ...\Plonset\H5_04_Xsect_Romps.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025

DRAFT NOT FOR CONSTRUCTION



DRAFT NOT FOR CONSTRUCTION

Filename: ...\Planset\H5_04_Xsect_Ramps.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 6462.92

HIGHWAY PLANS

vhb

	R.M.	BY	DATE
PROJ. MANAGER			
DESIGN-DETAILED	ZBW	JBD	9/2/2025
CHECKED-REVIEWED	ECF	AG	9/2/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

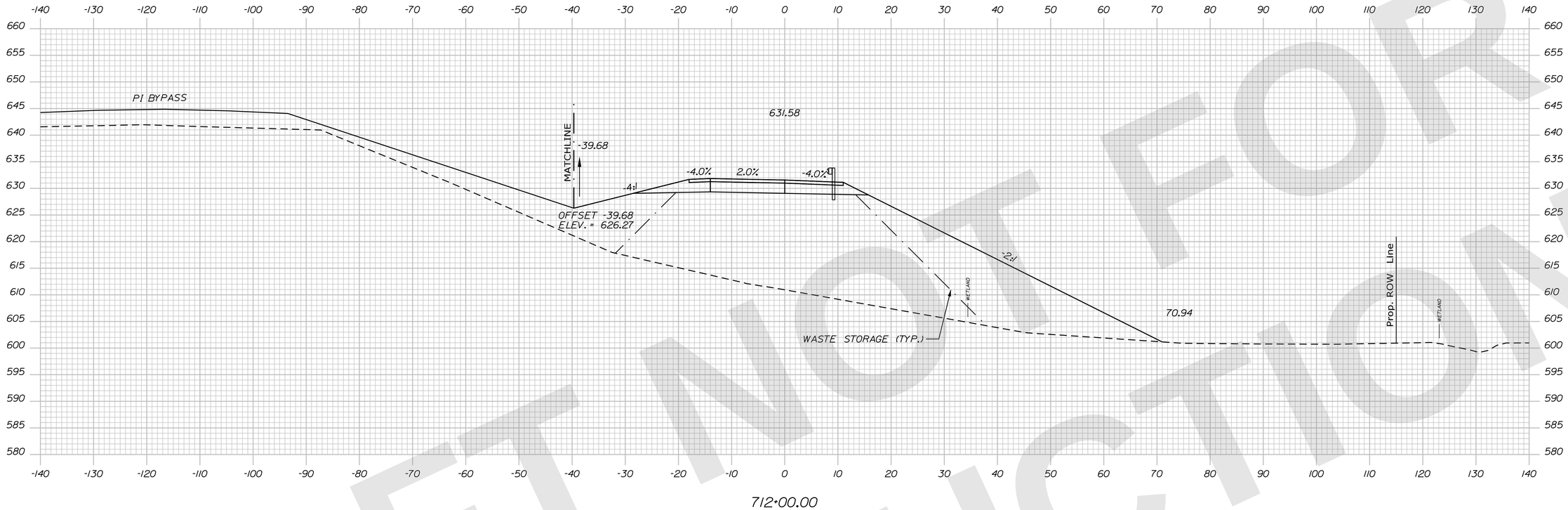
PRESQUE ISLE
NORTHBOUND OFF RAMP

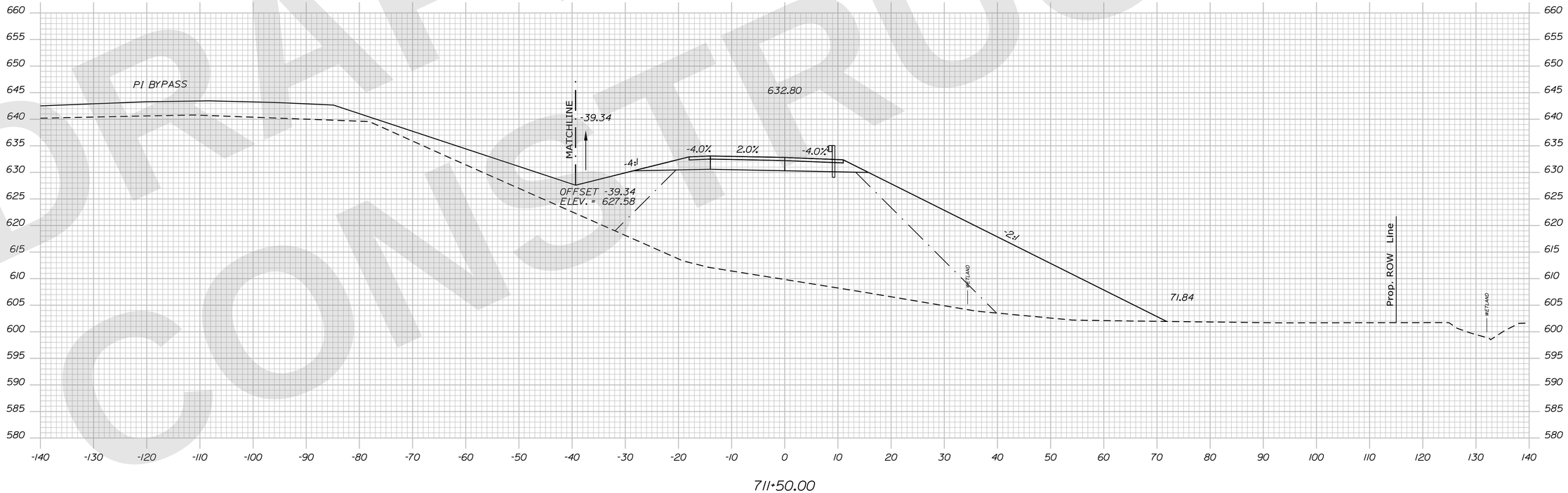
CROSS SECTIONS

SHEET NUMBER
H-391
495
OF 747

Sta. 710+50.00 to Sta. 711+00.00

Username: jamesdavis Date:9/2/2025
Division: HIGHWAY
Filename: ...\Plonset\H5_04_Xsect_Romps.dgn





STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 6462.92

HIGHWAY PLANS

vhb

	R.M.	BY	DATE
PROJ. MANAGER			
DESIGN-DETAILED	ZBW	JBD	9/2/2025
CHECKED-REVIEWED	ECF	AG	9/2/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

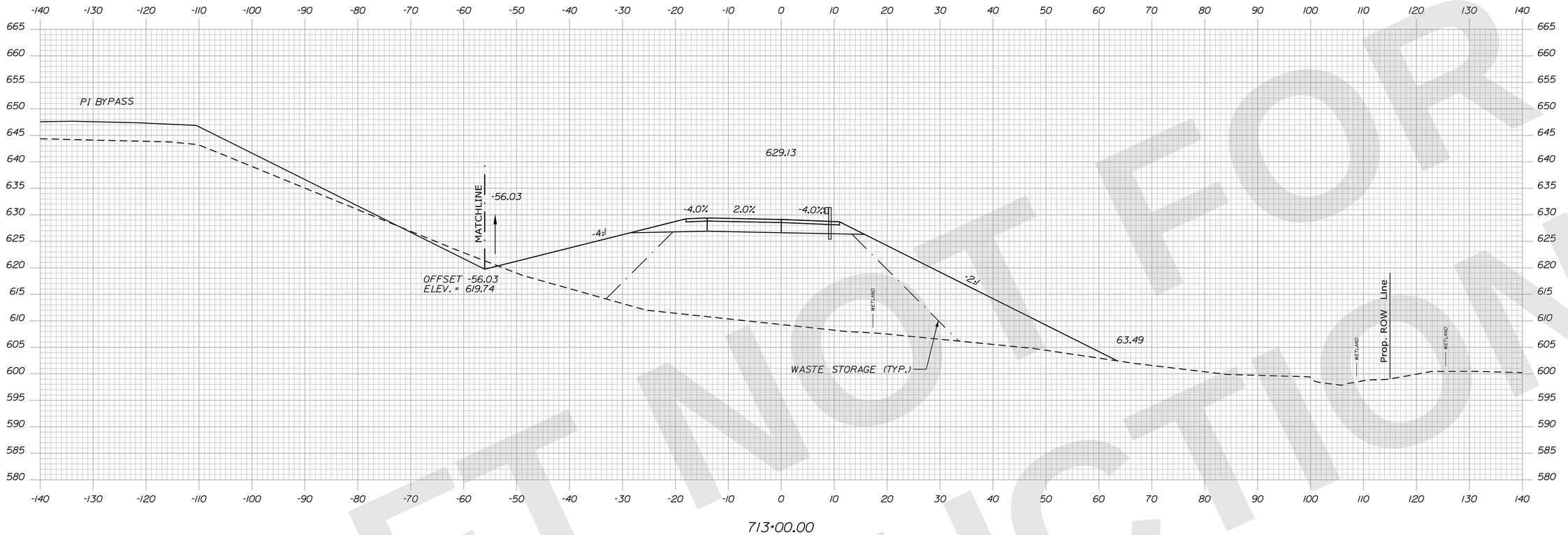
PRESQUE ISLE
NORTHBOUND OFF RAMP

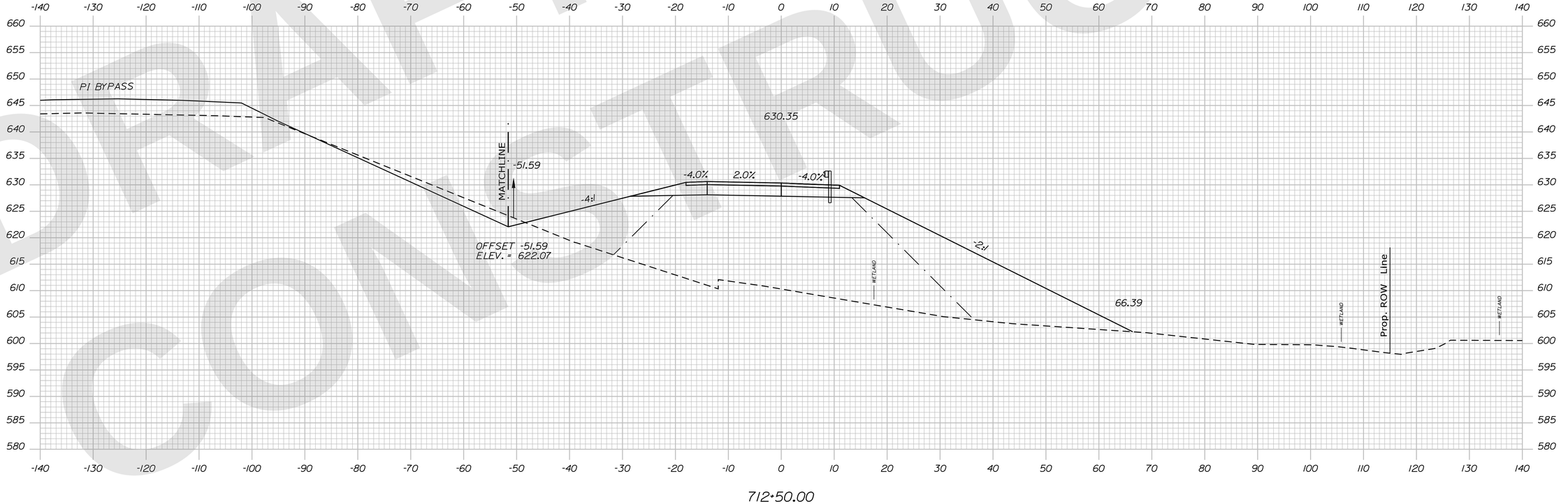
CROSS SECTIONS

SHEET NUMBER
H-392
496
OF 747

Sta. 711+50.00 to Sta. 712+00.00

PRELIMINARY NOT FOR CONSTRUCTION





STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 6462.92

HIGHWAY PLANS

vhb

PROJ. MANAGER	R.M.	
DESIGN-DETAILED	ZBW	9/2/2025
CHECKED-REVIEWED	ECF	9/2/2025
DESIGN2-DETAILED2	AG	
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

PRESQUE ISLE
NORTHBOUND OFF RAMP

CROSS SECTIONS

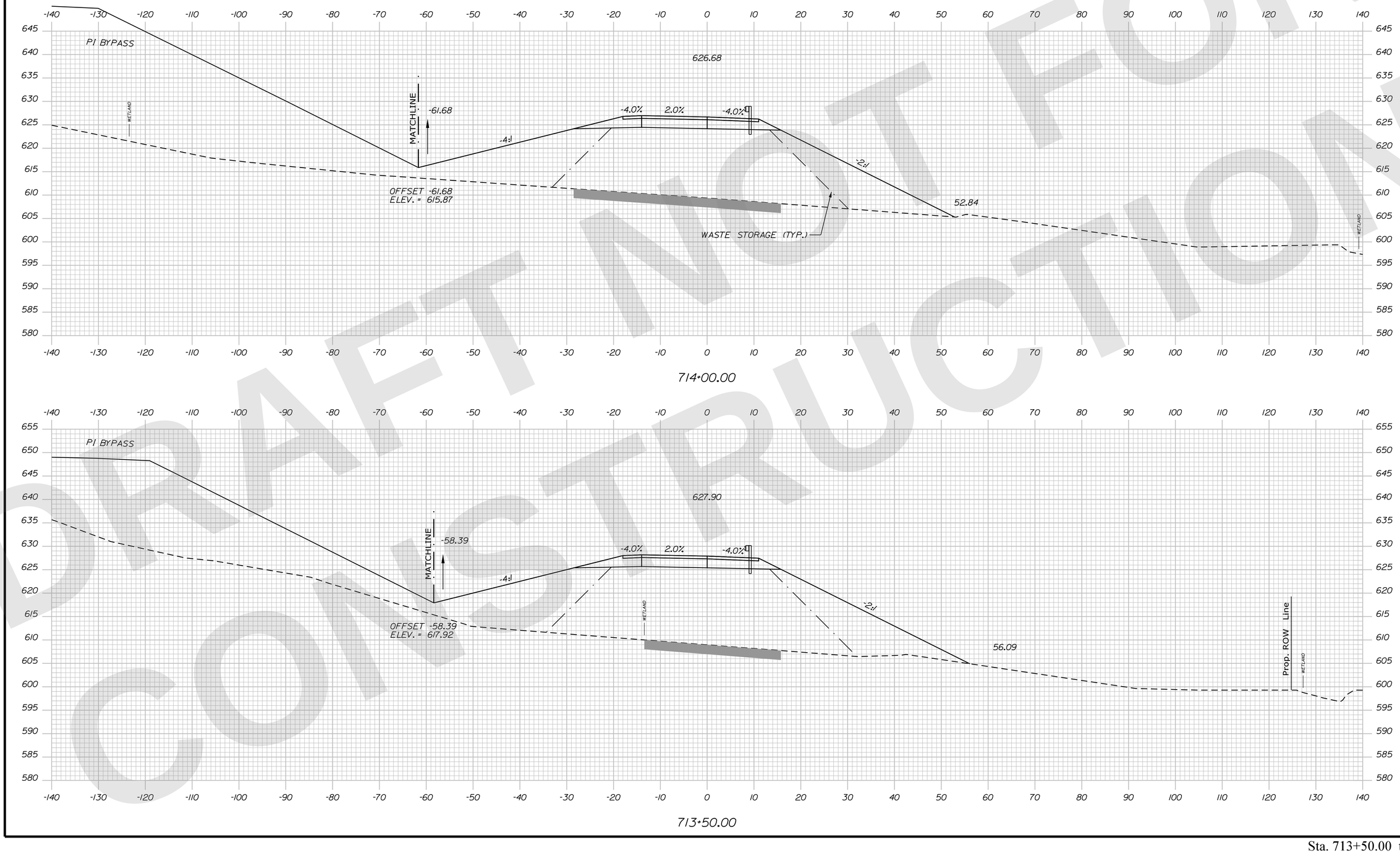
SHEET NUMBER
H-393
497
OF 747

Sta. 712+50.00 to Sta. 713+00.00

Filename: ...\Plonset\H5_04_Xsect_Romps.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025

PRELIMINARY NOT FOR CONSTRUCTION

Filename: ...\Plonset\H5_04_Xsect_Romps.dgn Username: jamesdavis Division: HIGHWAY Date:9/2/2025



DRAFT NOT FOR CONSTRUCTION

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 6462.92

HIGHWAY PLANS

vhb

	R.M.	BY	DATE
PROJ. MANAGER			
DESIGN-DETAILED	ZBW	JBD	9/2/2025
CHECKED-REVIEWED	ECF	AG	9/2/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

PRESQUE ISLE
NORTHBOUND OFF RAMP

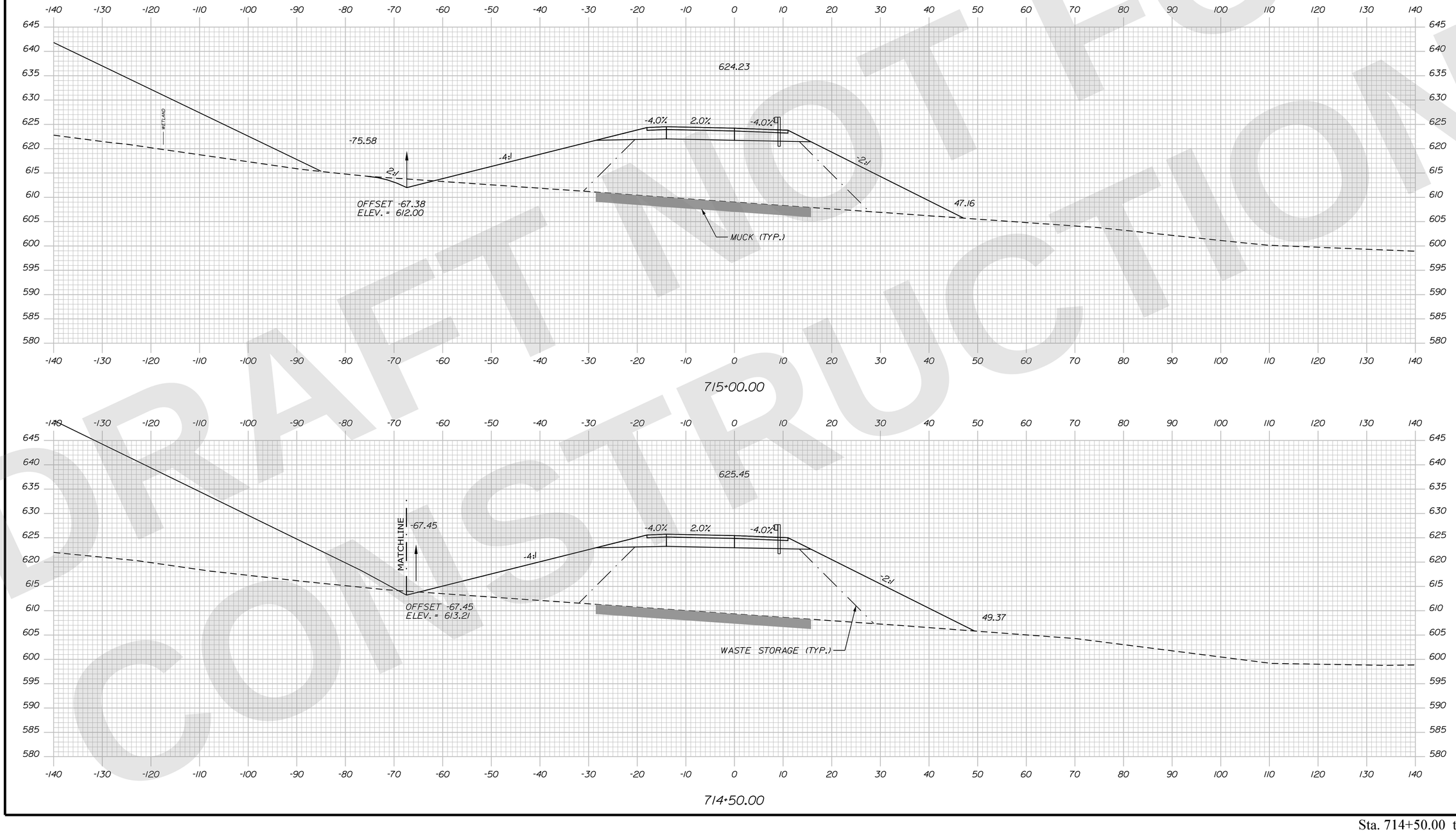
CROSS SECTIONS

SHEET NUMBER
H-394
498
OF 747

Sta. 713+50.00 to Sta. 714+00.00

Filename: ...\Plonset\H5_04_Xsect_Romps.dgn Username: jamesdavis Division: HIGHWAY Date:9/2/2025

DRAFT NOT FOR CONSTRUCTION



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 6462.92

HIGHWAY PLANS

vhb

	R.M.	BY	DATE
PROJ. MANAGER			
DESIGN-DETAILED	ZBW	JBD	9/2/2025
CHECKED-REVIEWED	ECF	AG	9/2/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

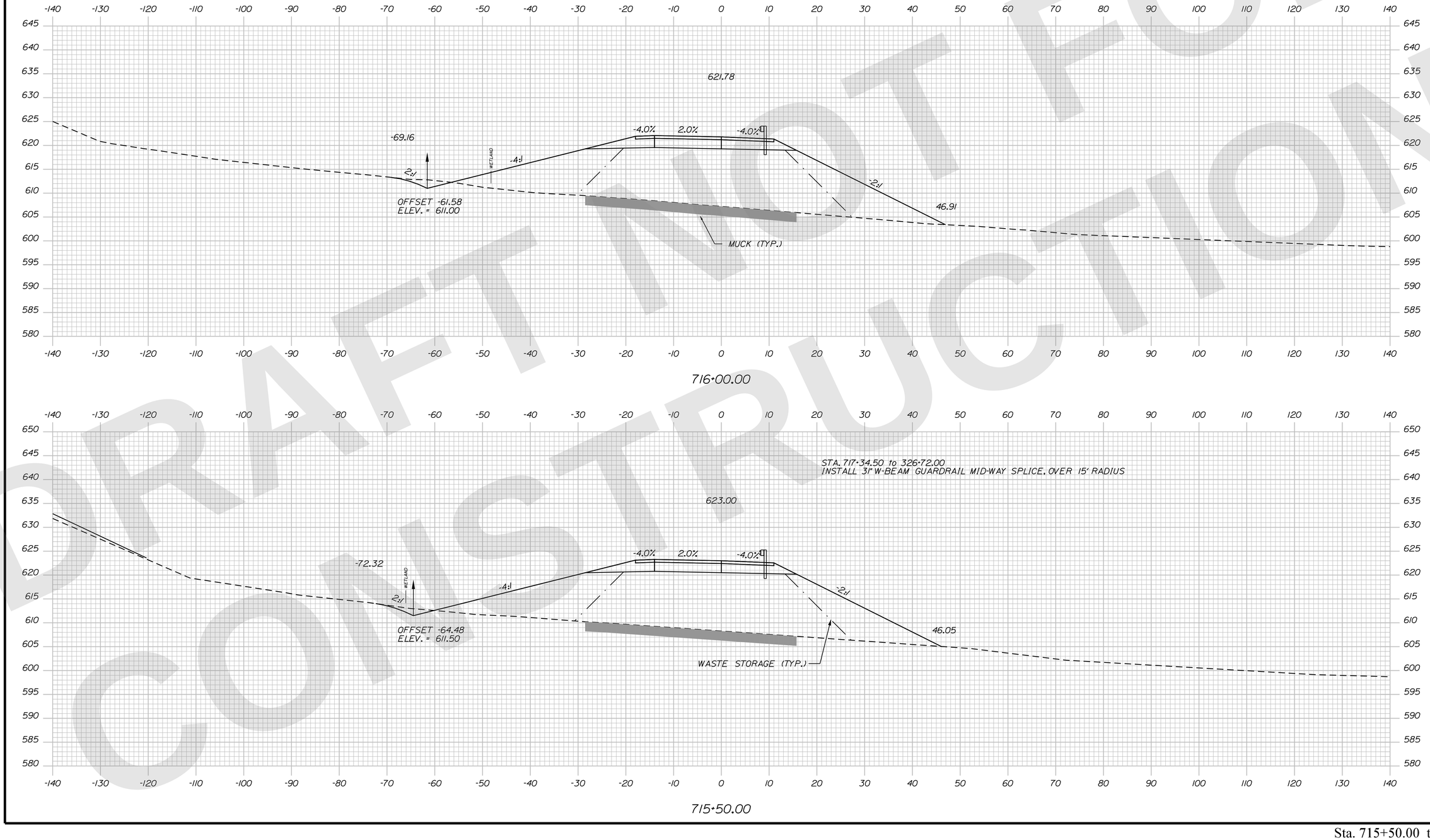
PRESQUE ISLE NORTHBOUND OFF RAMP

CROSS SECTIONS

SHEET NUMBER
H-395
499
OF 747

Sta. 714+50.00 to Sta. 715+00.00

DRAFT NOT FOR CONSTRUCTION



Sta. 715+50.00 to Sta. 716+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 6462.92

HIGHWAY PLANS

vhb

PROJ. MANAGER	R.M.		
DESIGN-DETAILED	ZBW	JBD	9/2/2025
CHECKED-REVIEWED	ECF	AG	9/2/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

PRESQUE ISLE
NORTHBOUND OFF RAMP

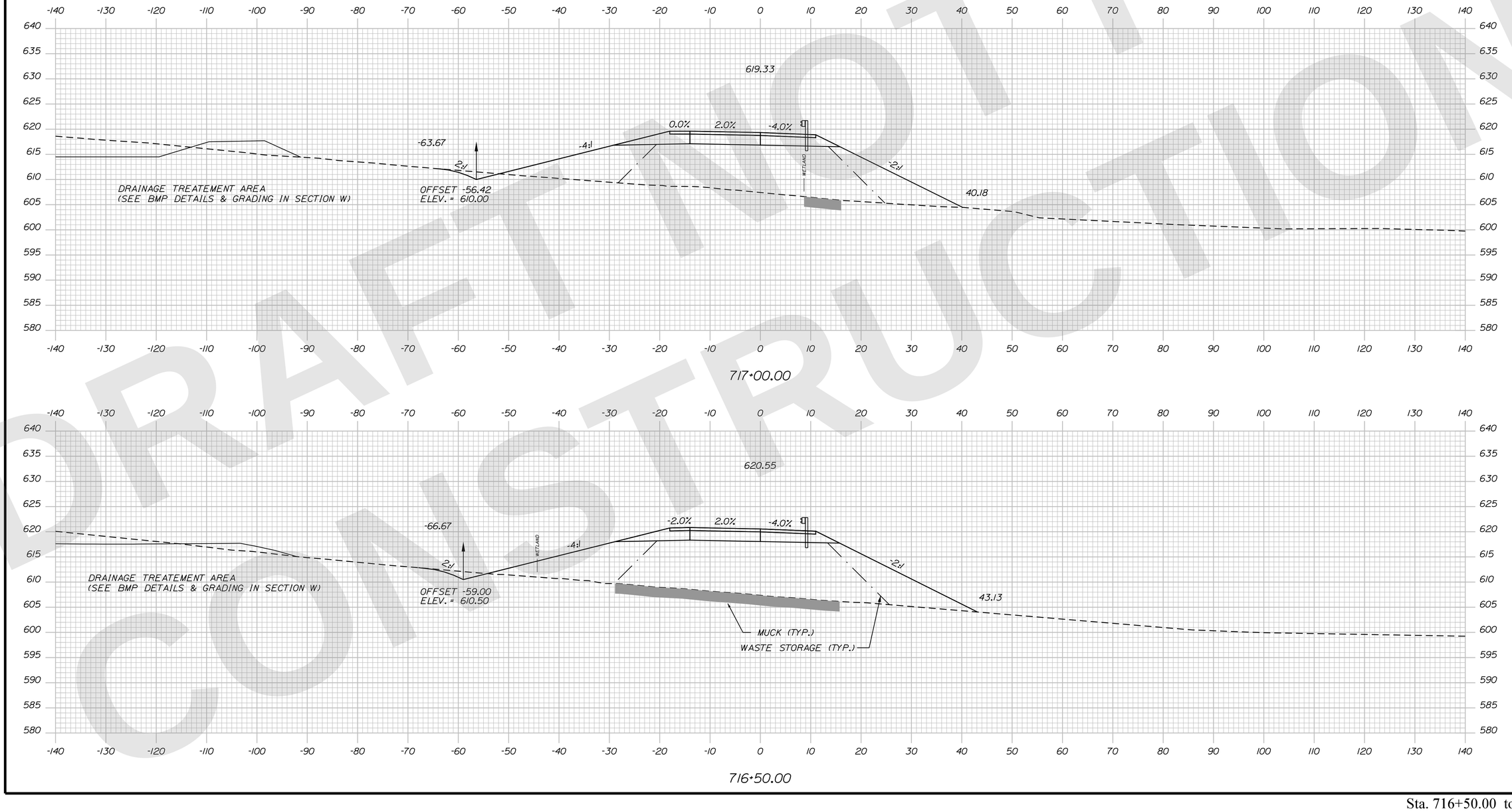
CROSS SECTIONS

SHEET NUMBER
H-396
500
OF 747

Filename: ...\Plansets\H5_04_Xsect_Romps.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025

Filename: ...\Planset\H5_04_Xsect_Ramps.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025

DRAFT NOT FOR CONSTRUCTION



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 6462.92

HIGHWAY PLANS

vhb

	R.M.	BY	DATE
PROJ. MANAGER			
DESIGN-DETAILED	ZBW	JBD	9/2/2025
CHECKED-REVIEWED	ECF	AG	9/2/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

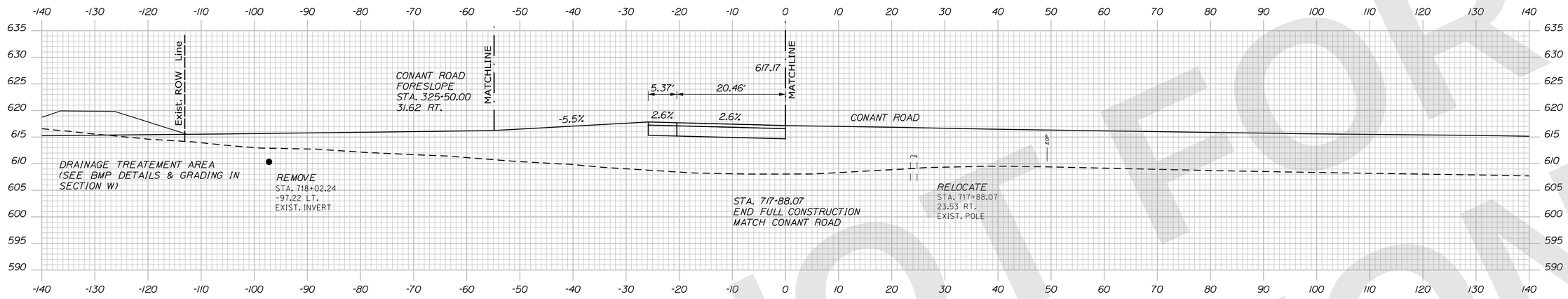
PRESQUE ISLE
NORTHBOUND OFF RAMP

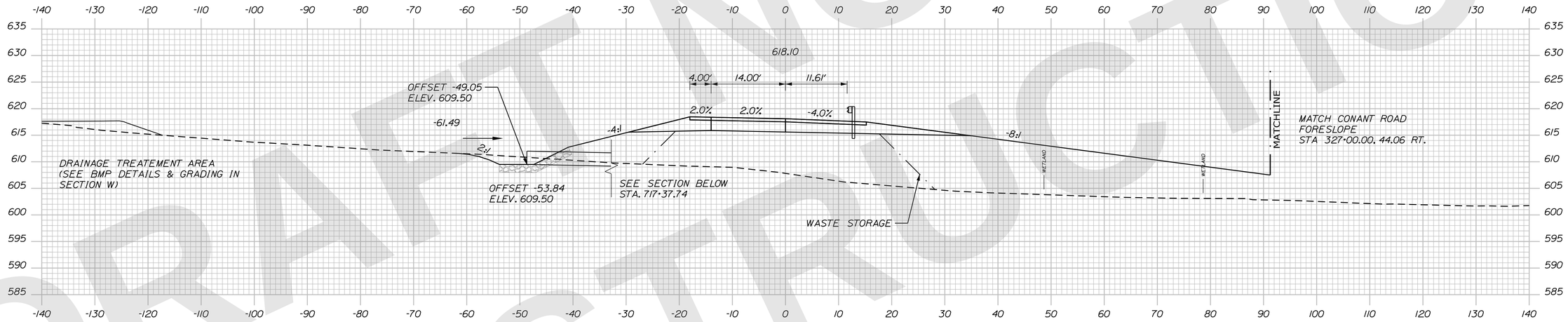
CROSS SECTIONS

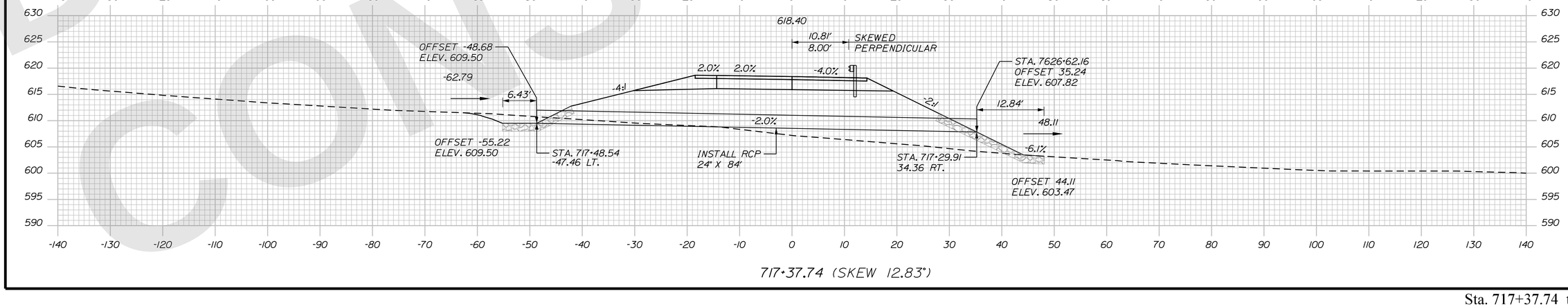
SHEET NUMBER
H-397
501
OF 747

Sta. 716+50.00 to Sta. 717+00.00

Filename: ...\Planset\H5_04_Xsect_Ramps.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025







DRAFT NOT FOR CONSTRUCTION

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN
6462.92

HIGHWAY PLANS

vhb

PROJ. MANAGER	R.M.	BY	DATE
DESIGN-DETAILED	ZBW	JBD	9/2/2025
CHECKED-REVIEWED	ECF	AG	9/2/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

PRESQUE ISLE
NORTHBOUND OFF RAMP

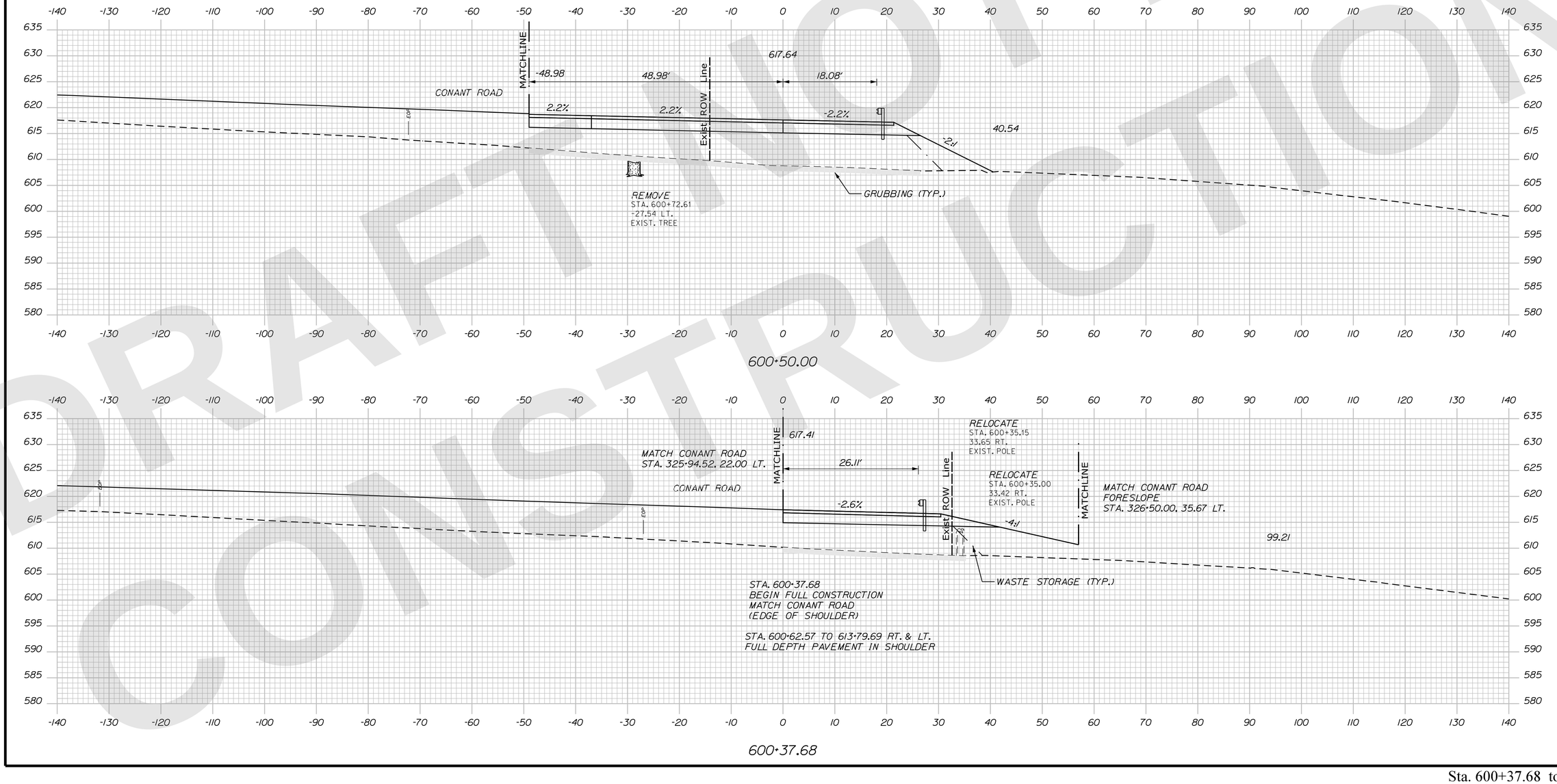
CROSS SECTIONS

SHEET NUMBER
H-398
502
OF 747

Sta. 717+37.74 to Sta. 717+88.07

Filename: ...\Planset\H5_04_Xsect_Ramps.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025

DRAFT NOT FOR CONSTRUCTION



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 6462.92

HIGHWAY PLANS

vhb

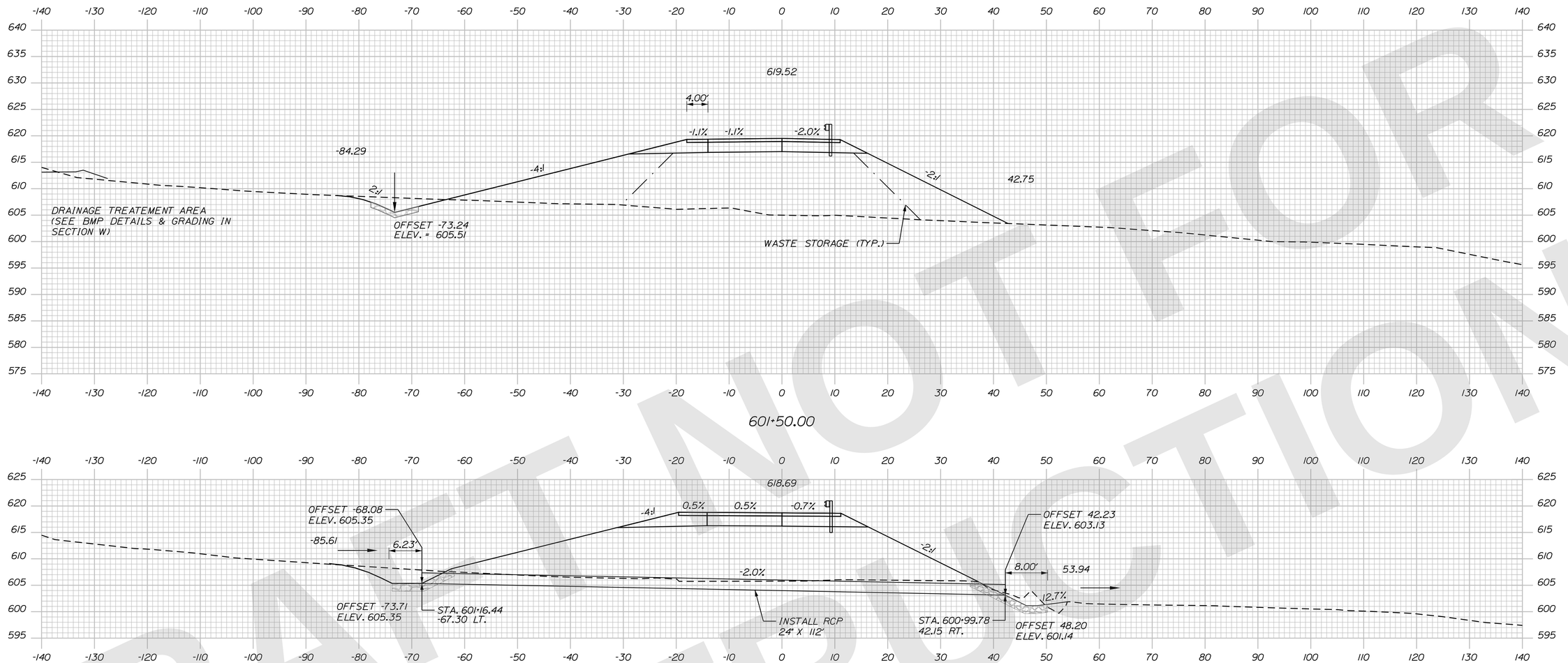
	R.M.	BY	DATE
PROJ. MANAGER			
DESIGN-DETAILED	ZBW	JBD	9/2/2025
CHECKED-REVIEWED	ECF	AG	9/2/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

PRESQUE ISLE
NORTHBOUND ON RAMP

CROSS SECTIONS

SHEET NUMBER
H-399
503
OF 747

Sta. 600+37.68 to Sta. 600+50.00



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN
6462.92

HIGHWAY PLANS

vhb

	BY	DATE
R.M.	JBD	9/2/2025
ZBW	AG	9/2/2025
ECF		

PROJ. MANAGER
DESIGN-DETAILED
CHECKED-REVIEWED
DESIGN2-DETAILED2
DESIGN3-DETAILED3
REVISIONS 1
REVISIONS 2
REVISIONS 3
REVISIONS 4
FIELD CHANGES

PRESQUE ISLE
NORTHBOUND ON RAMP

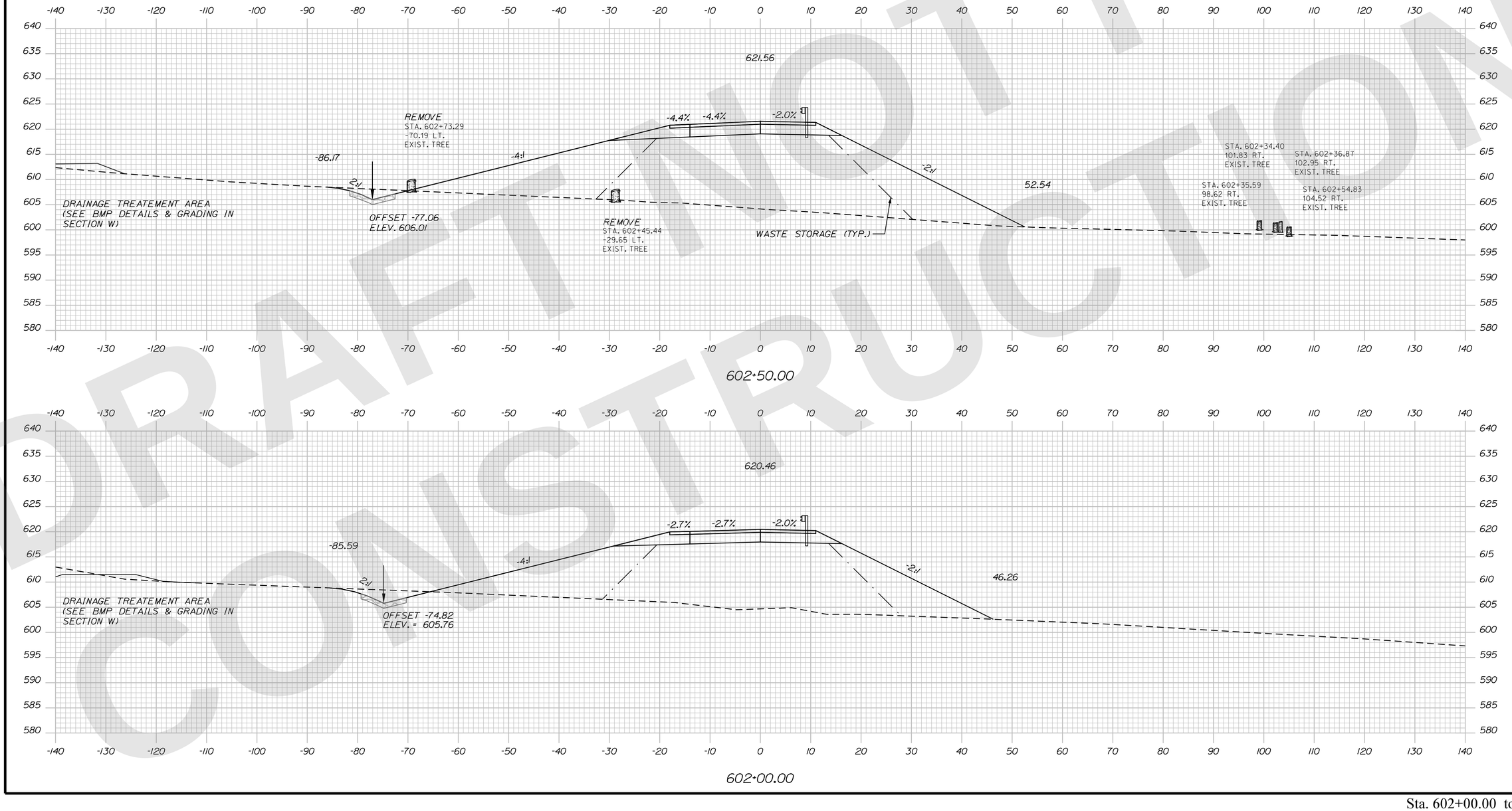
CROSS SECTIONS

SHEET NUMBER
H-400
504
OF 747

Filename: ...\Planset\H5_04_Xsect_Romps.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025

DRAFT NOT FOR CONSTRUCTION

Sta. 601+00.00 to Sta. 601+50.00



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN
6462.92

HIGHWAY PLANS

vhb

PROJ. MANAGER	R.M.	DATE
DESIGN-DETAILED	ZBW	9/2/2025
CHECKED-REVIEWED	ECF	9/2/2025
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

PRESQUE ISLE
NORTHBOUND ON RAMP

CROSS SECTIONS

SHEET NUMBER
H-401
505
OF 747

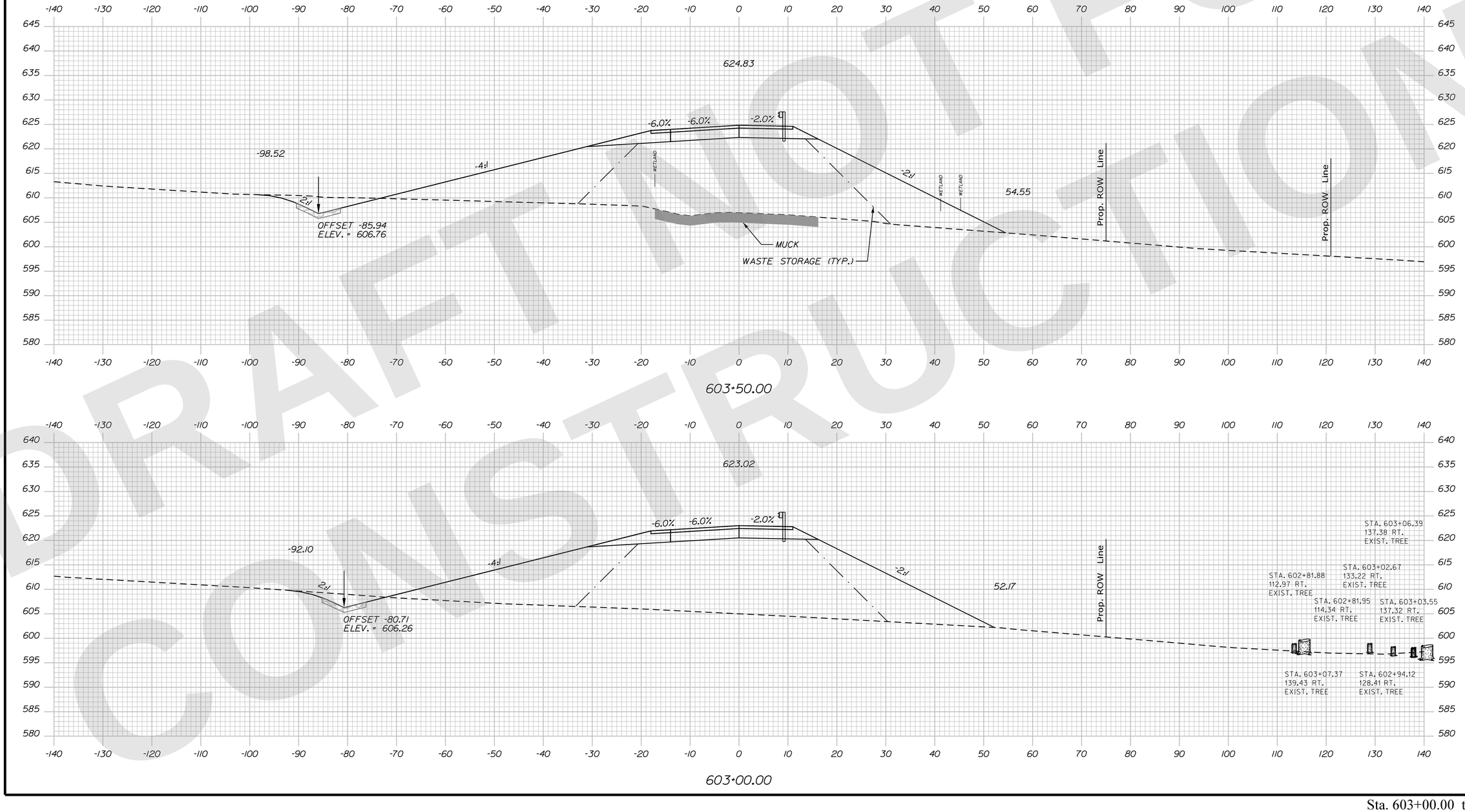
Sta. 602+00.00 to Sta. 602+50.00

DRAFT
NOT FOR CONSTRUCTION

Filename: ...\Plonset\H5_04_Xsect_Romps.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025

PRAFT FOR CONSTRUCTION

Filename: ...\Planset\H5_04_Xsect_Ramps.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 6462.92

HIGHWAY PLANS

vhb

	R.M.	BY	DATE
PROJ. MANAGER			
DESIGN-DETAILED	ZBW	JBD	9/2/2025
CHECKED-REVIEWED	ECF	AG	9/2/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

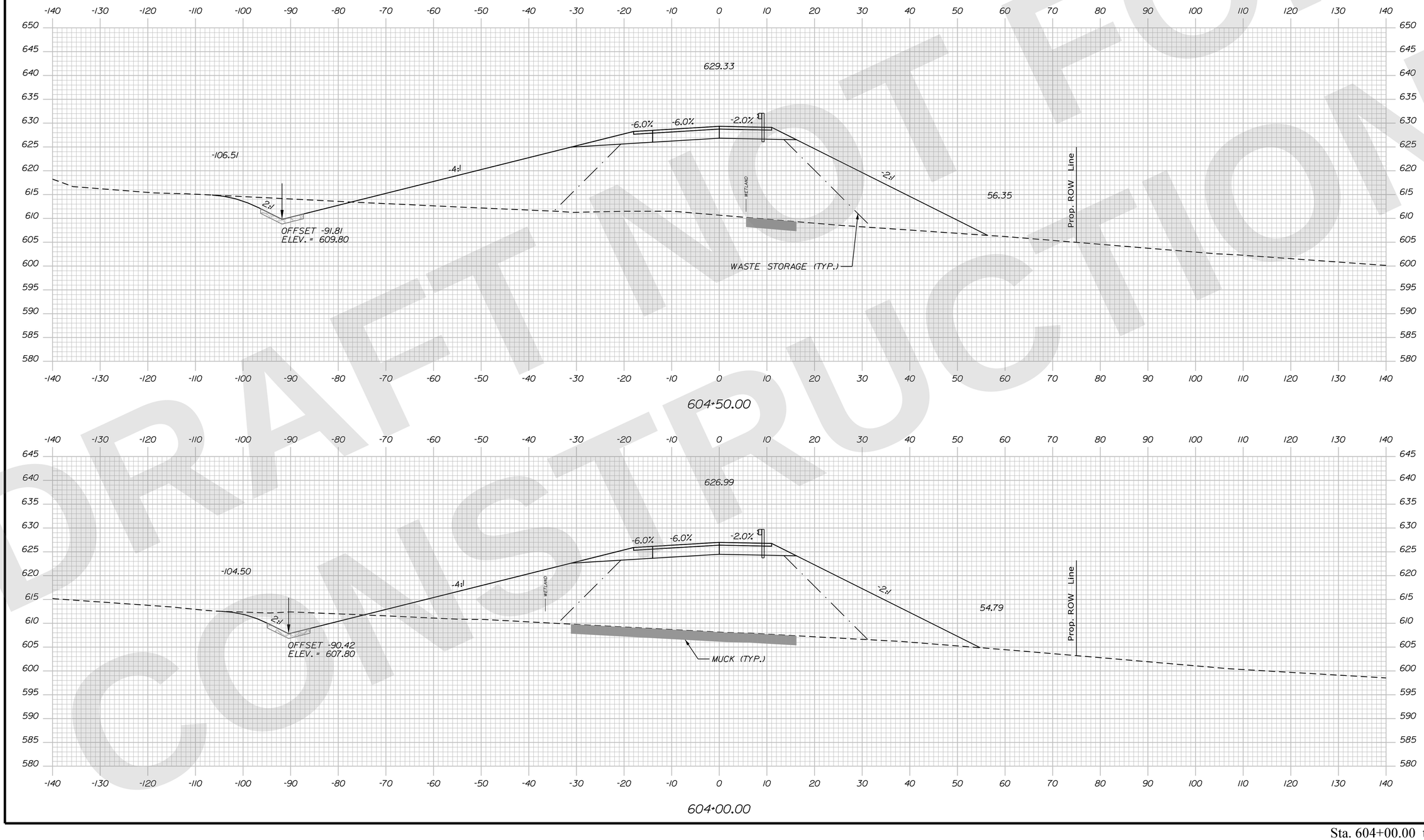
PRESQUE ISLE
NORTHBOUND ON RAMP

CROSS SECTIONS

SHEET NUMBER
H-402
506
OF 747

Sta. 603+00.00 to Sta. 603+50.00

DRAFT NOT FOR CONSTRUCTION



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 6462.92

HIGHWAY PLANS

vhb

	R.M.	DATE
PROJ. MANAGER		
DESIGN-DETAILED	ZBW	9/2/2025
CHECKED-REVIEWED	ECF	9/2/2025
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

	BY
R.M.	JBD
	AG

PRESQUE ISLE
NORTHBOUND ON RAMP

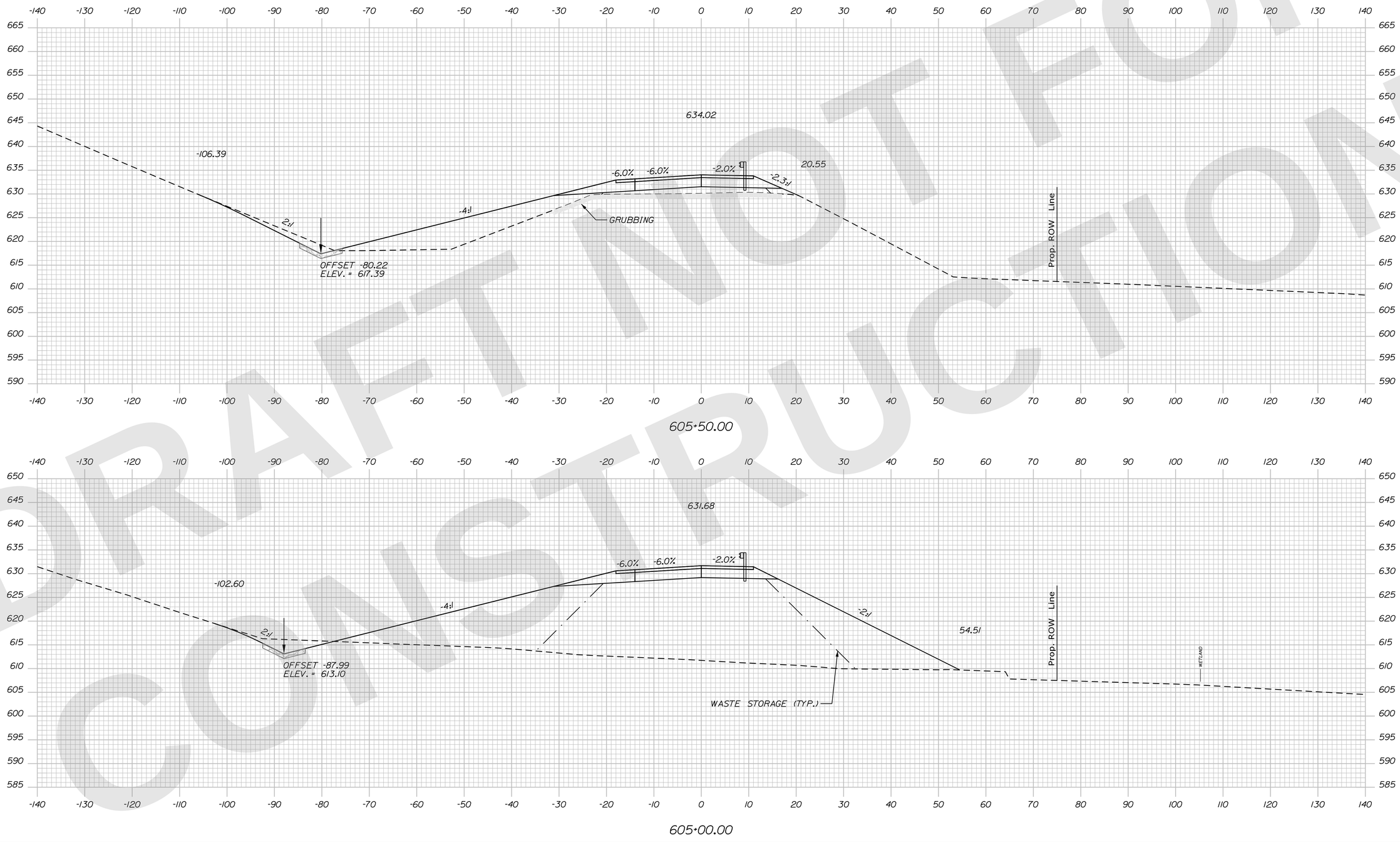
CROSS SECTIONS

SHEET NUMBER
H-403
507
OF 747

Sta. 604+00.00 to Sta. 604+50.00

Filename: ...\Plonset\H5_04_Xsect_Romps.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025

DRAFT NOT FOR CONSTRUCTION



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 6462.92

HIGHWAY PLANS

vhb

	R.M.	DATE
PROJ. MANAGER		
DESIGN-DETAILED	ZBW	9/2/2025
CHECKED-REVIEWED	ECF	9/2/2025
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

PRESQUE ISLE
NORTHBOUND ON RAMP

CROSS SECTIONS

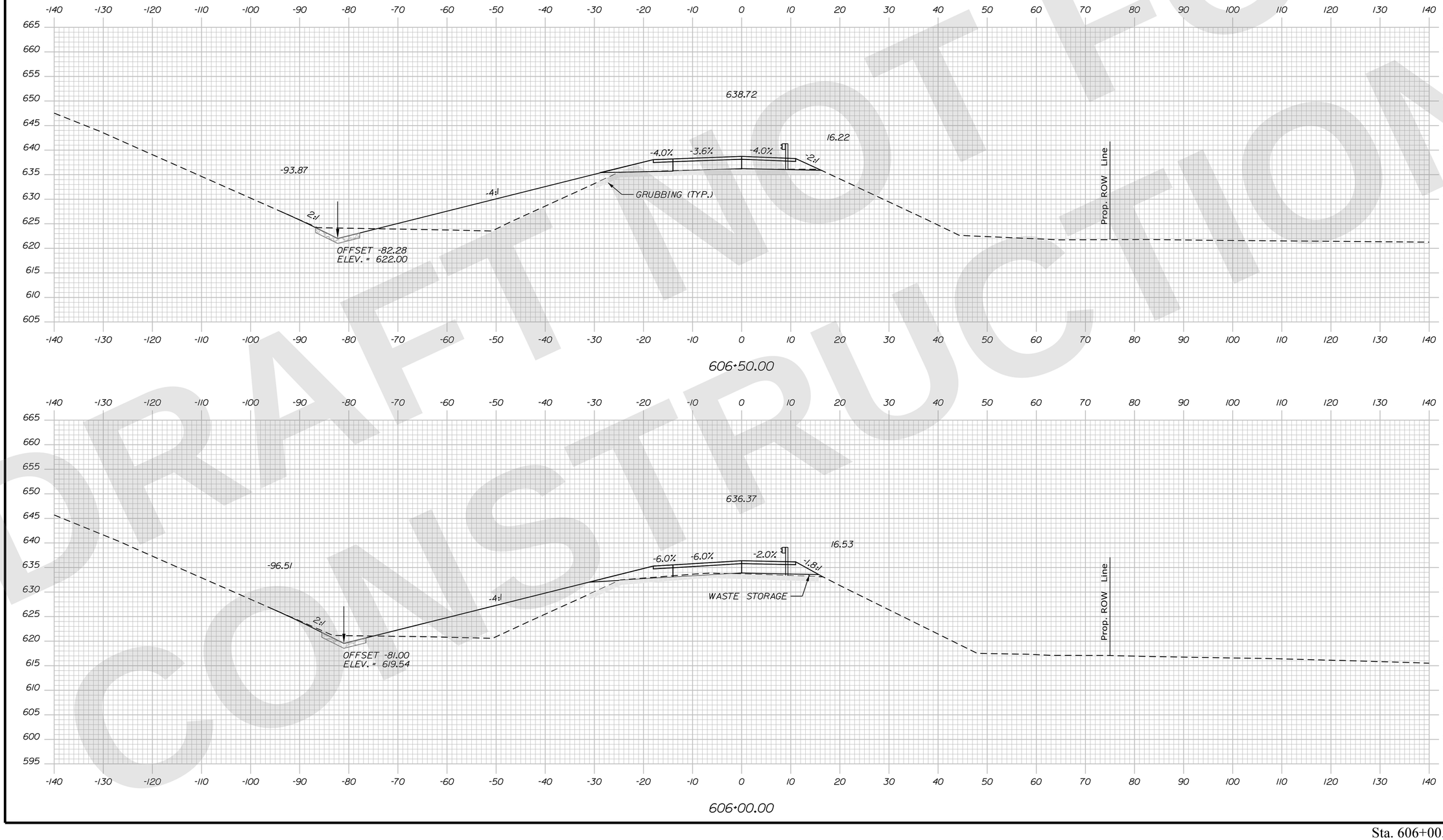
SHEET NUMBER
H-404
508
OF 747

Sta. 605+00.00 to Sta. 605+50.00

Filename: ...\Planset\H5_04_Xsect_Romps.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025

Filename: ...\Planset\H5_04_Xsect_Romps.dgn Username: jamesdavis Division: HIGHWAY Date:9/2/2025

DRAFT NOT FOR CONSTRUCTION



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 6462.92

HIGHWAY PLANS

vhb

PROJ. MANAGER	R.M.	DATE
DESIGN-DETAILED	ZBW	JBD 9/2/2025
CHECKED-REVIEWED	ECF	AG 9/2/2025
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

PRESQUE ISLE
NORTHBOUND ON RAMP

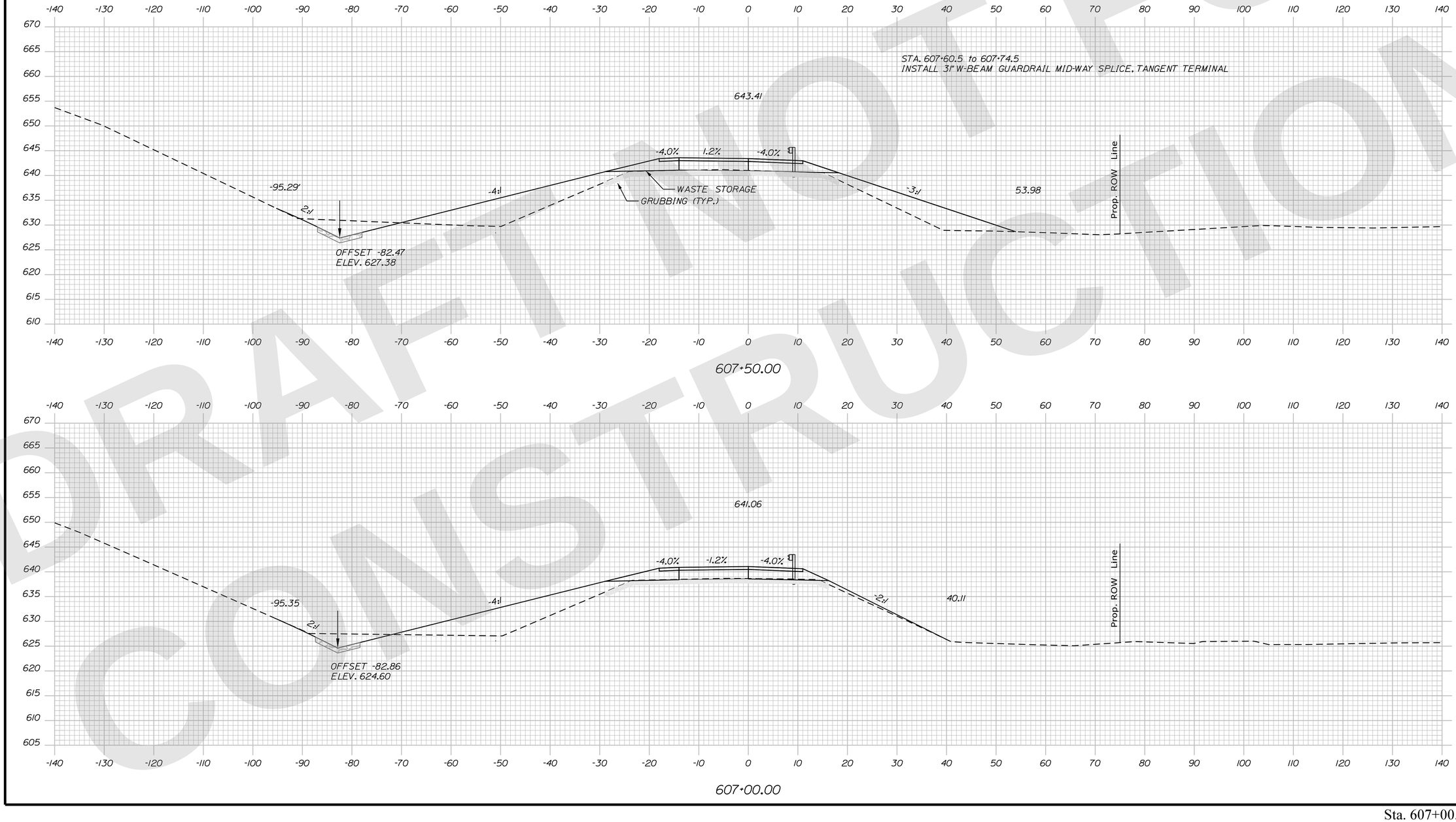
CROSS SECTIONS

SHEET NUMBER
H-405
509
OF 747

Sta. 606+00.00 to Sta. 606+50.00

Filename: ...\Planset\H5_04_Xsect_Ramps.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025

DRAFT NOT FOR CONSTRUCTION



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN
6462.92

HIGHWAY PLANS

vhb

	R.M.	BY	DATE
PROJ. MANAGER			
DESIGN-DETAILED	ZBW	JGD	9/2/2025
CHECKED-REVIEWED	ECF	AG	9/2/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

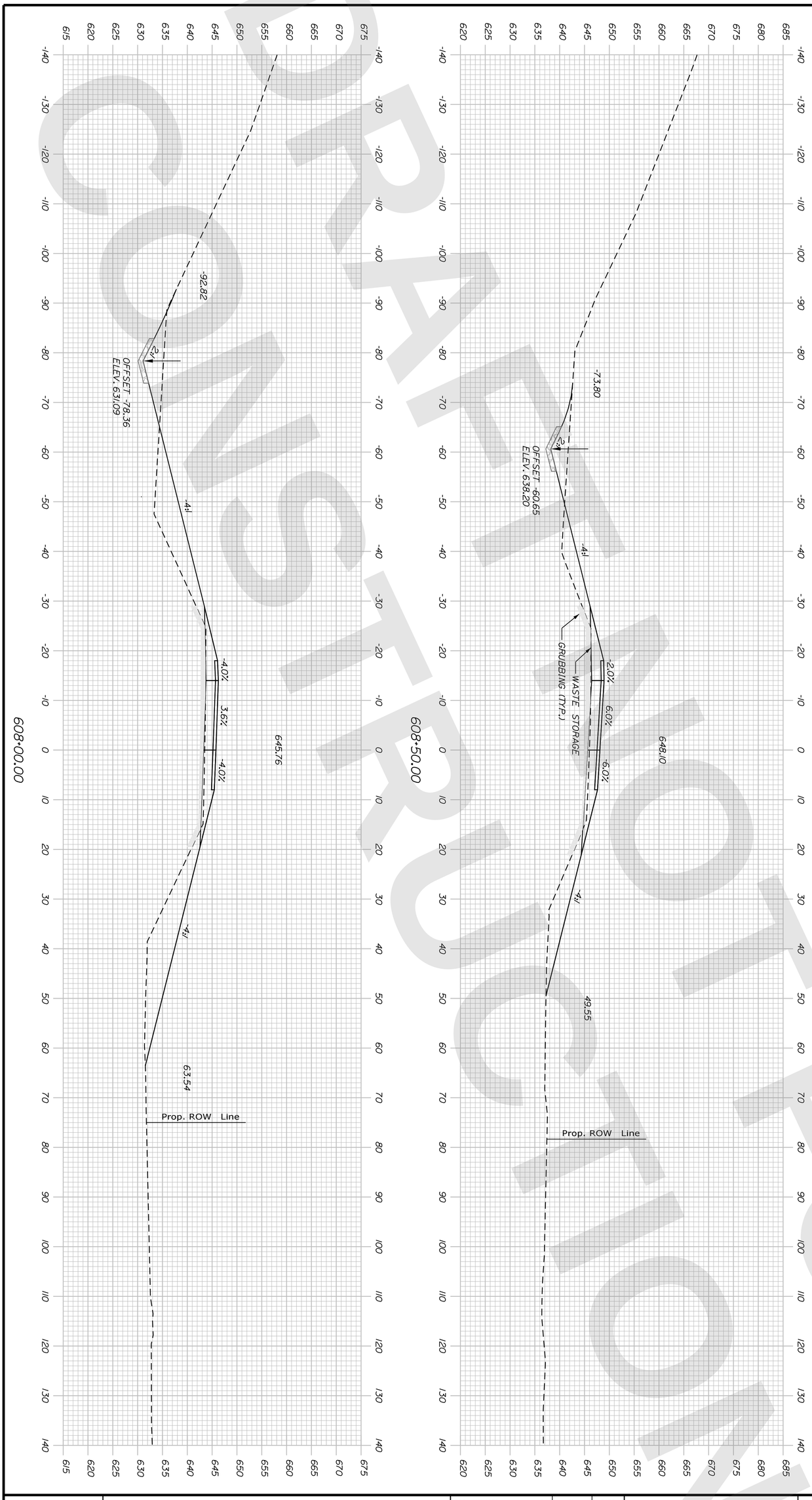
PRESQUE ISLE
NORTHBOUND ON RAMP

CROSS SECTIONS

SHEET NUMBER
H-406
510
OF 747

Sta. 607+00.00 to Sta. 607+50.00

PRELIMINARY NOT FOR CONSTRUCTION



Sta. 608+00.00 to Sta. 608+50.00

PRESQUE ISLE NORTHBOUND ON RAMP

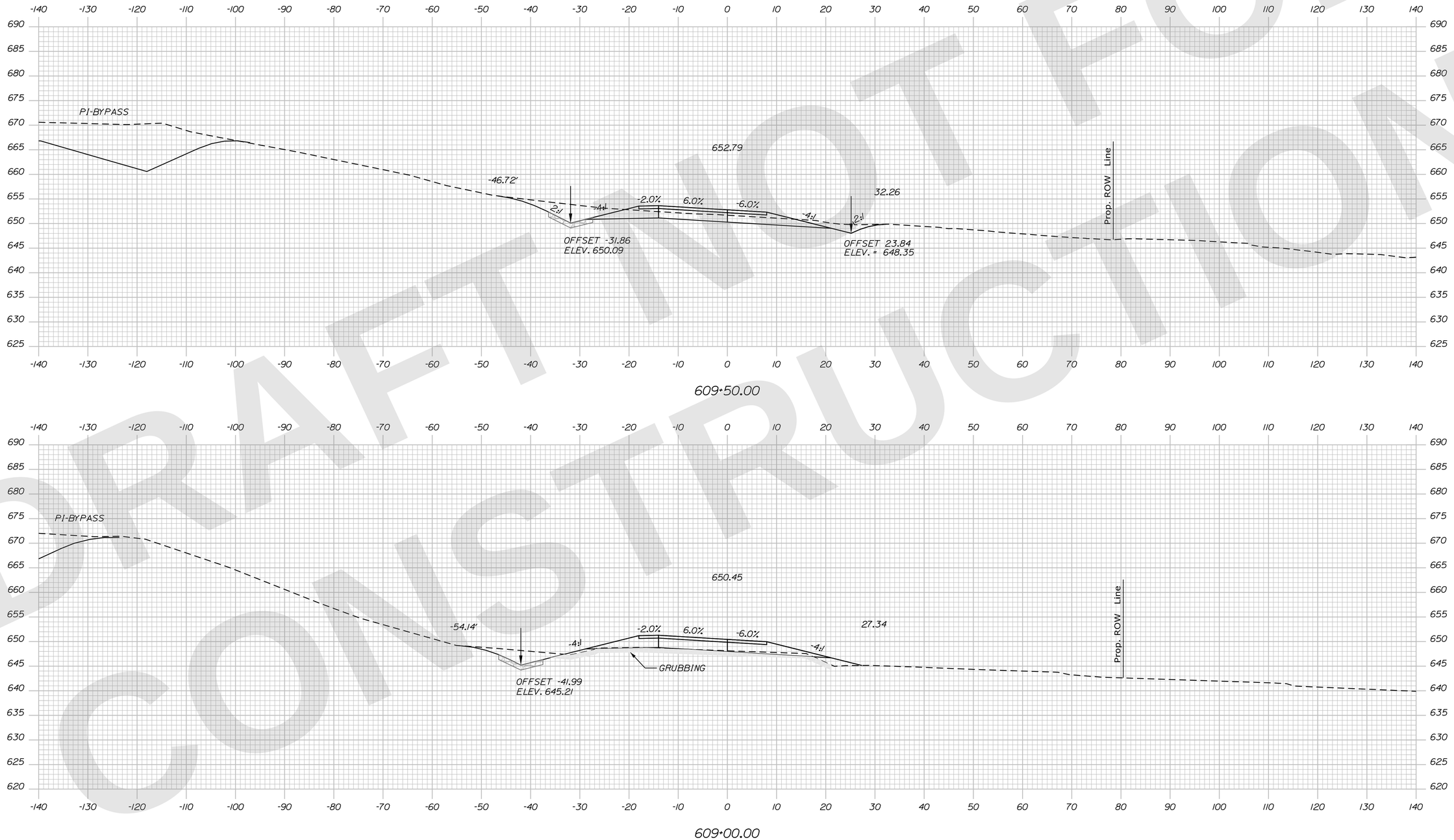
CROSS SECTIONS

PROJ. MANAGER	R.M.	BY	DATE
DESIGN-DETAILED	ZBW	JBD	9/2/2025
CHECKED-REVIEWED	ECF	AG	9/2/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

vhb

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
CAPITAL PROJECTS
WIN 6462.92
HIGHWAY PLANS

SHEET NUMBER H-407
511
OF 747



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 6462.92

HIGHWAY PLANS

vhb

PROJ. MANAGER	R.M.		
DESIGN-DETAILED	ZBW	JBD	9/2/2025
CHECKED-REVIEWED	ECF	AG	9/2/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

PRESQUE ISLE
NORTHBOUND ON RAMP

CROSS SECTIONS

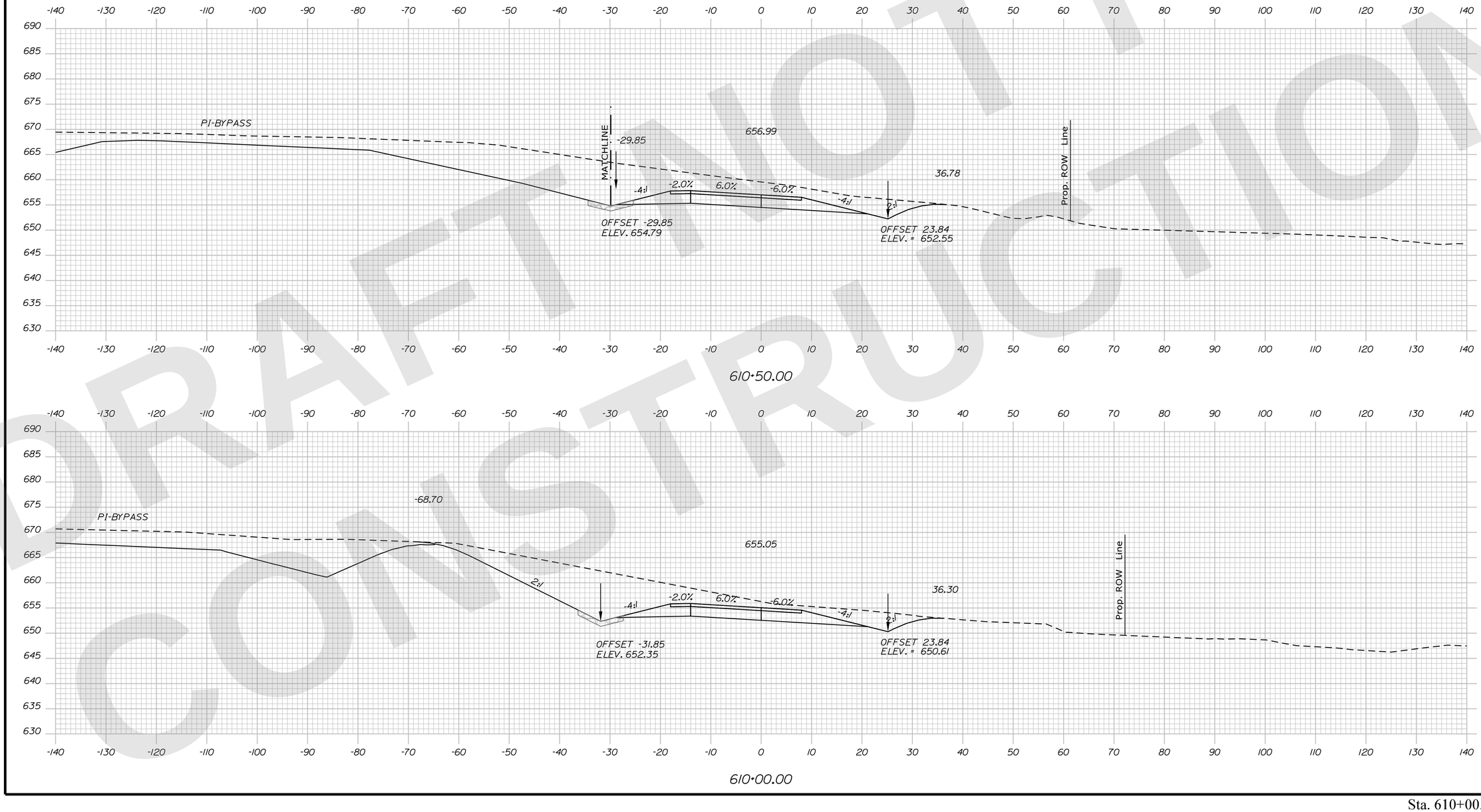
SHEET NUMBER
H-408
512
OF 747

Sta. 609+00.00 to Sta. 609+50.00

DRAFT NOT FOR CONSTRUCTION

Filename: ...\Planset\H5_04_Xsect_Romps.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025

DRAFT NOT FOR CONSTRUCTION



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 6462.92

HIGHWAY PLANS

vhb

	R.M.	BY	DATE
PROJ. MANAGER			
DESIGN-DETAILED	ZBW	JBD	9/2/2025
CHECKED-REVIEWED	ECF	AG	9/2/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

PRESQUE ISLE
NORTHBOUND ON RAMP

CROSS SECTIONS

SHEET NUMBER
H-409
513
OF 747

Sta. 610+00.00 to Sta. 610+50.00

Filename: ...\Planset\H5_04_Xsect_Romps.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025

Filename: ...\Plonset\H5_04_Xsect_Ramps.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025

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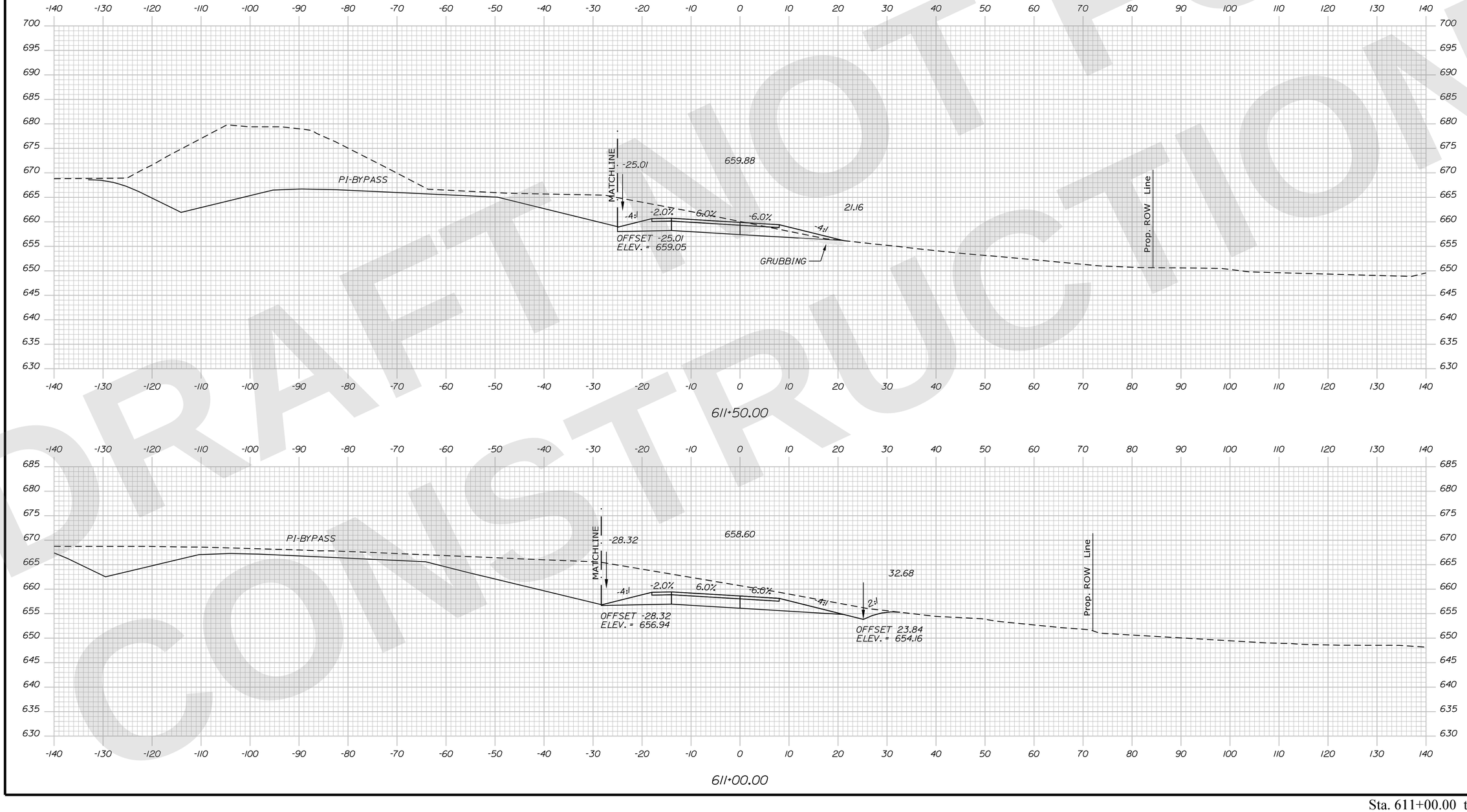


STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 6462.92

HIGHWAY PLANS

vhb

	R.M.	BY	DATE
PROJ. MANAGER			
DESIGN-DETAILED	ZBW	JBD	9/2/2025
CHECKED-REVIEWED	ECF	AG	9/2/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

PRESQUE ISLE
NORTHBOUND ON RAMP

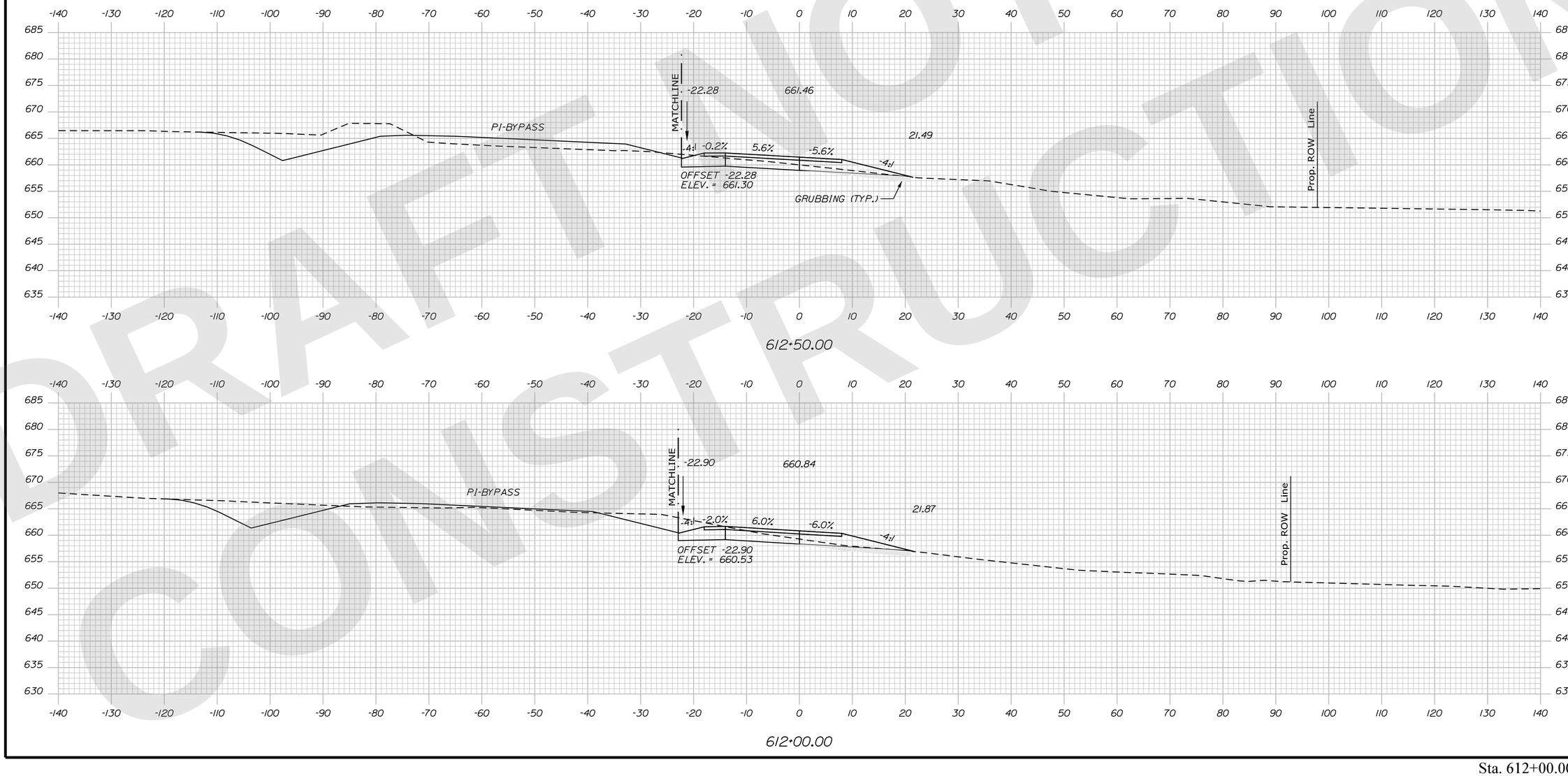
CROSS SECTIONS

SHEET NUMBER
H-410
514
OF 747

Sta. 611+00.00 to Sta. 611+50.00

Filename: ...\Planset\H5_04_Xsect_Ramps.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025

DRAFT NOT FOR CONSTRUCTION



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 6462.92

HIGHWAY PLANS

vhb

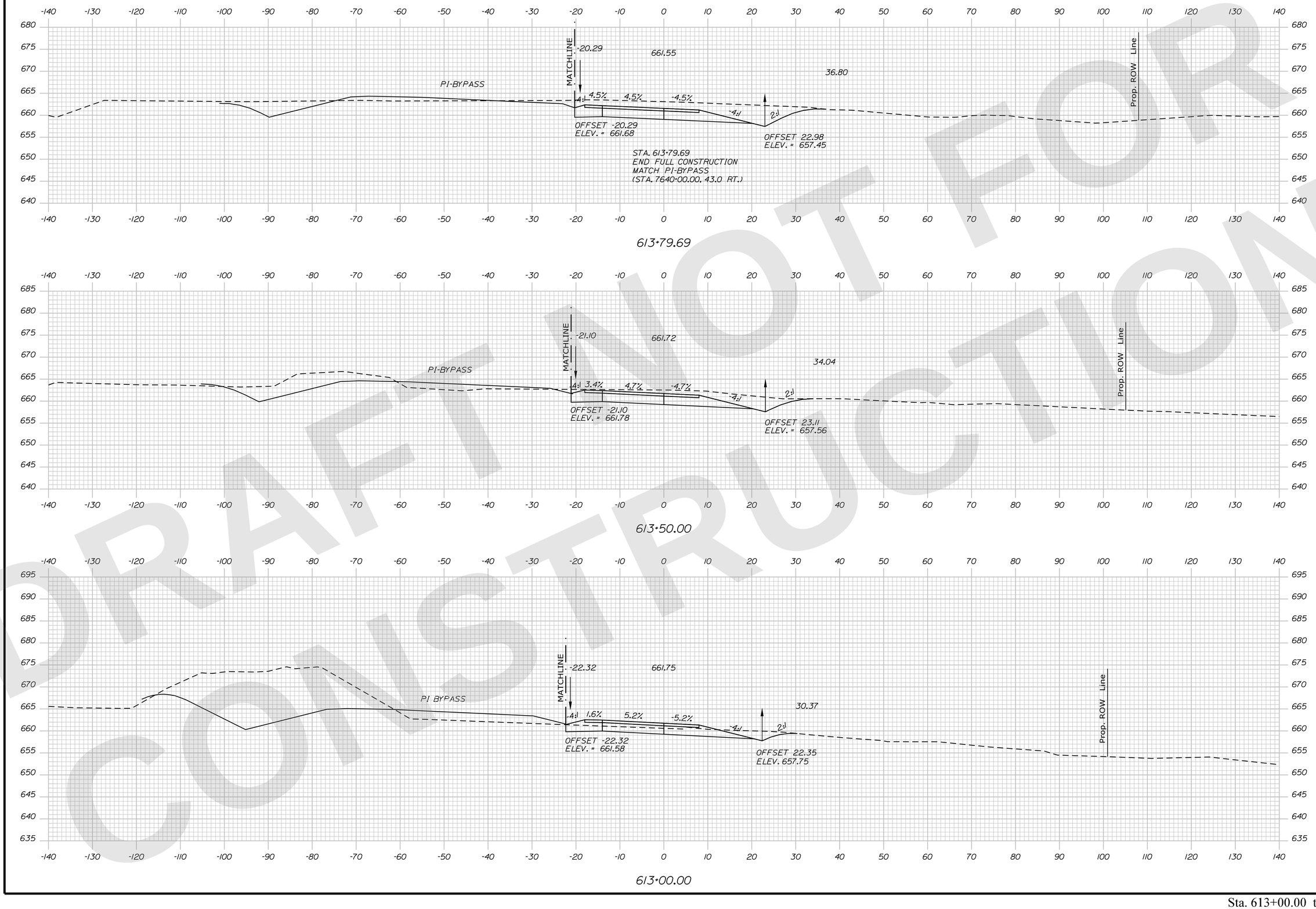
PROJ. MANAGER	R.M.	BY	DATE
DESIGN-DETAILED	ZBW	JBD	9/2/2025
CHECKED-REVIEWED	ECF	AG	9/2/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

PRESQUE ISLE
NORTHBOUND ON RAMP

CROSS SECTIONS

SHEET NUMBER
H-411
515
OF 747

Sta. 612+00.00 to Sta. 612+50.00



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN
6462.92

HIGHWAY PLANS

vhb

	R.M.	BY	DATE
PROJ. MANAGER			
DESIGN-DETAILED	ZBW	JBD	9/2/2025
CHECKED-REVIEWED	ECF	AG	9/2/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

PRESQUE ISLE
NORTHBOUND ON RAMP

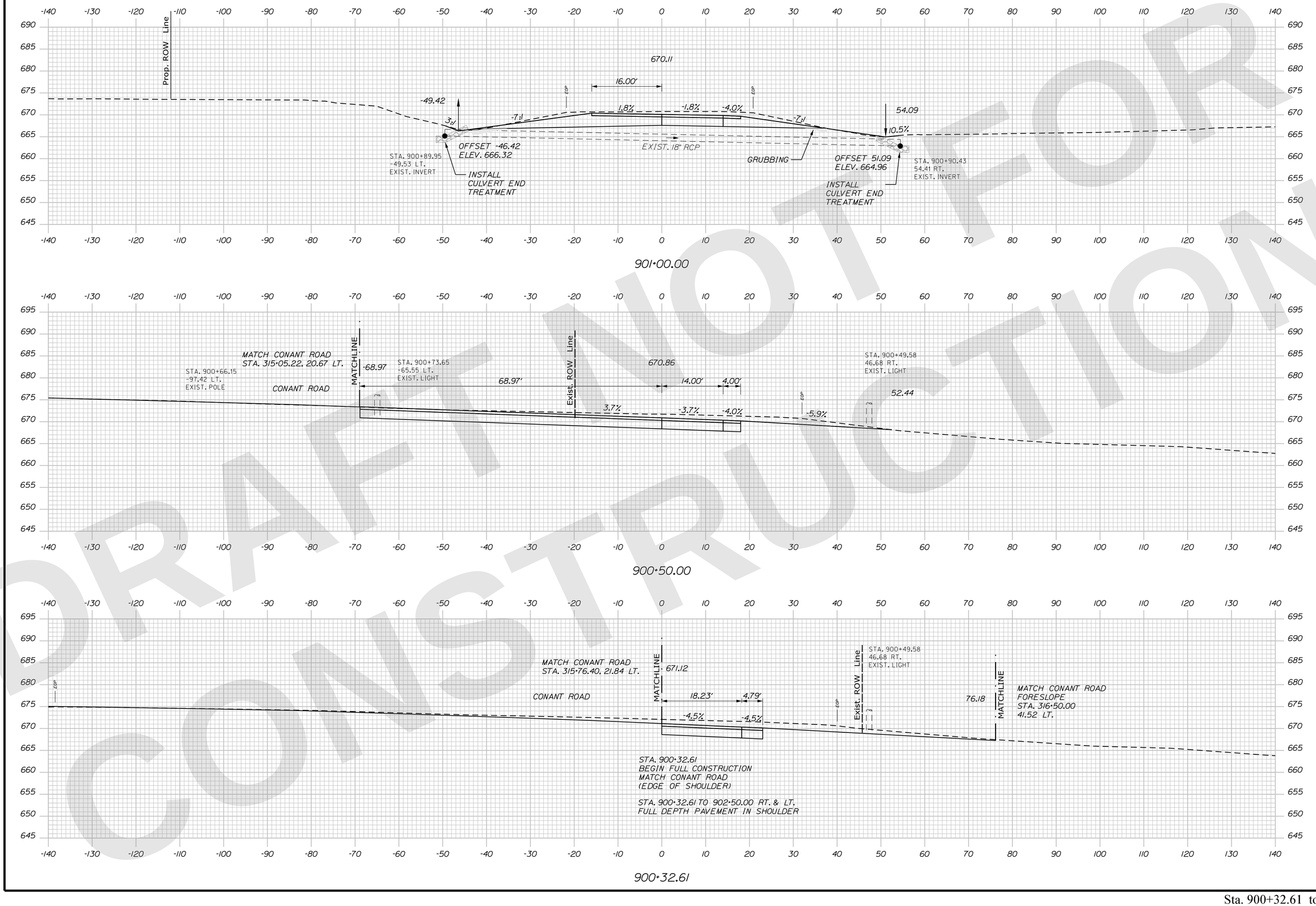
CROSS SECTIONS

SHEET NUMBER
H-412
516
OF 747

Sta. 613+00.00 to Sta. 613+79.69

Filename: ...\Plonset\H5_04_Xsect_Ramps.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025

DRAFT NOT FOR CONSTRUCTION



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 6462.92

HIGHWAY PLANS

vhb

	R.M.	BY	DATE
PROJ. MANAGER			
DESIGN-DETAILED	ZBW	JBD	9/2/2025
CHECKED-REVIEWED	ECF	AG	9/2/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

PRESQUE ISLE
SOUTHBOUND OFF RAMP

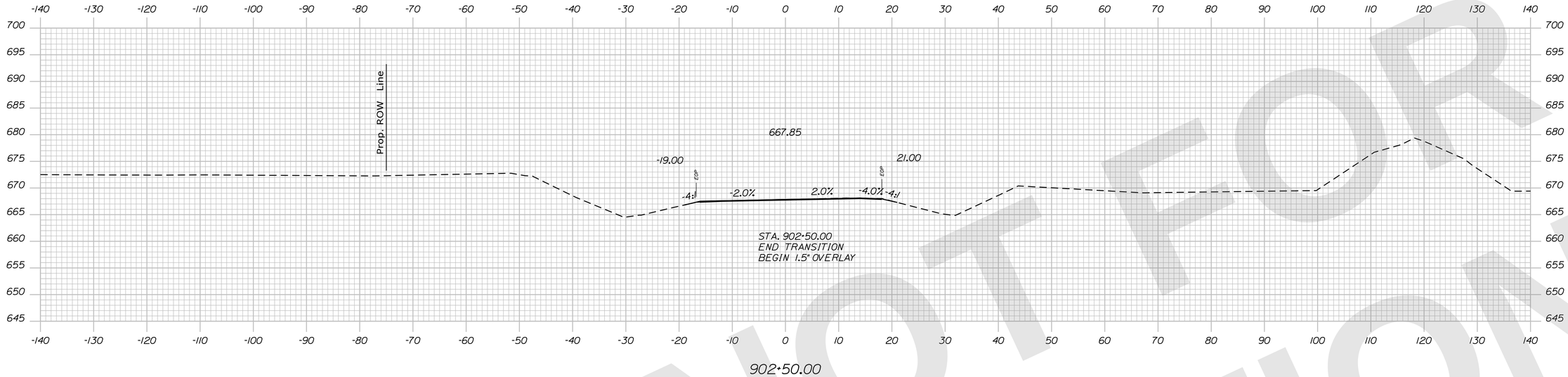
CROSS SECTIONS

SHEET NUMBER
H-413
517
OF 747

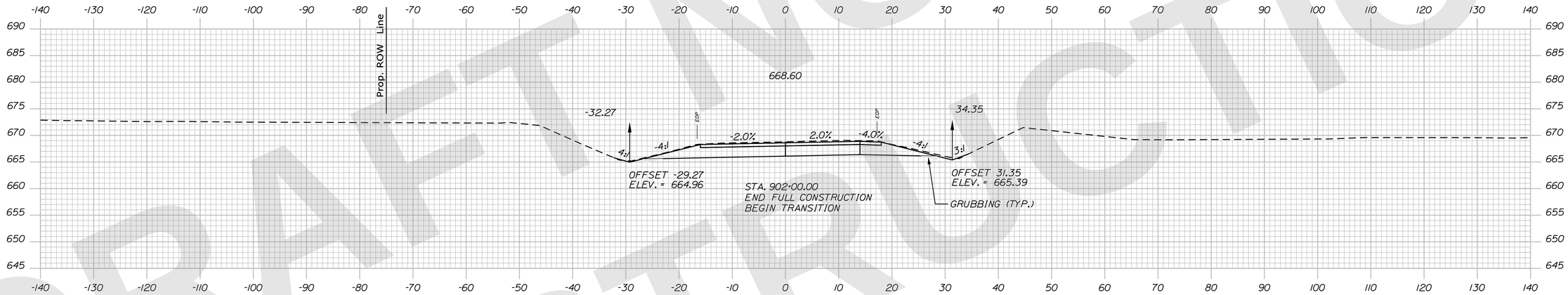
Sta. 900+32.61 to Sta. 901+00.00

DRAFT NOT FOR CONSTRUCTION

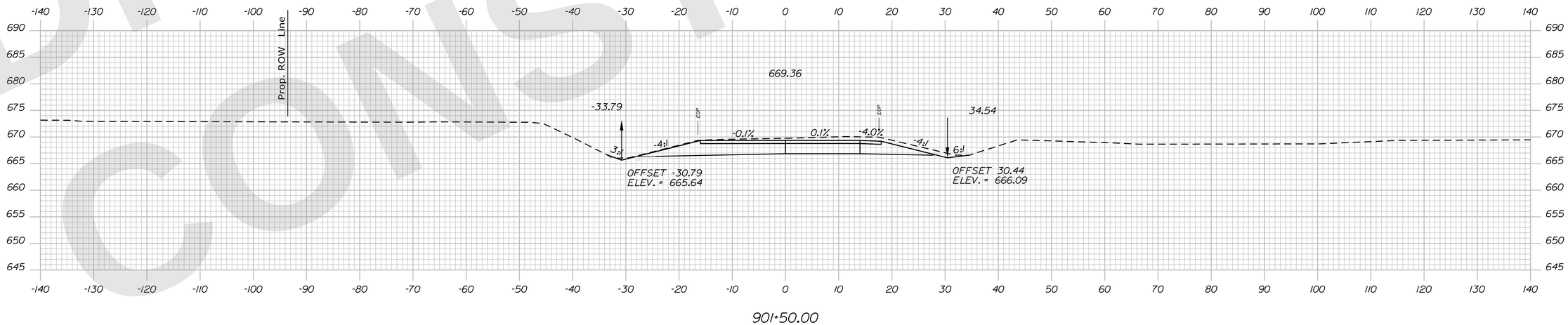
Filename: ...\Planset\H5_04_XsectL_Ramps.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025



902+50.00



902+00.00



901+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 6462.92

HIGHWAY PLANS

vhb

	R.M.	BY	DATE
PROJ. MANAGER			
DESIGN-DETAILED	ZBW	JBD	9/2/2025
CHECKED-REVIEWED	ECF	AG	9/2/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

PRESQUE ISLE
SOUTHBOUND OFF RAMP

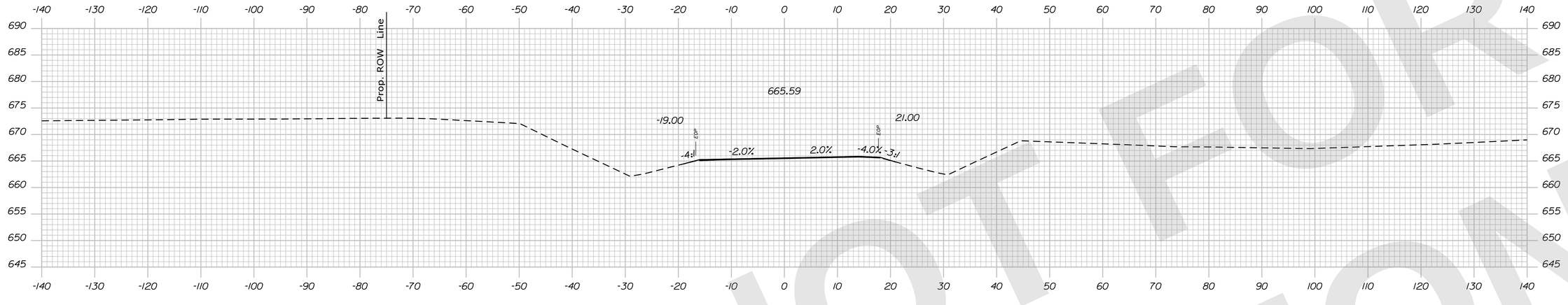
CROSS SECTIONS

SHEET NUMBER
H-414
518
OF 747

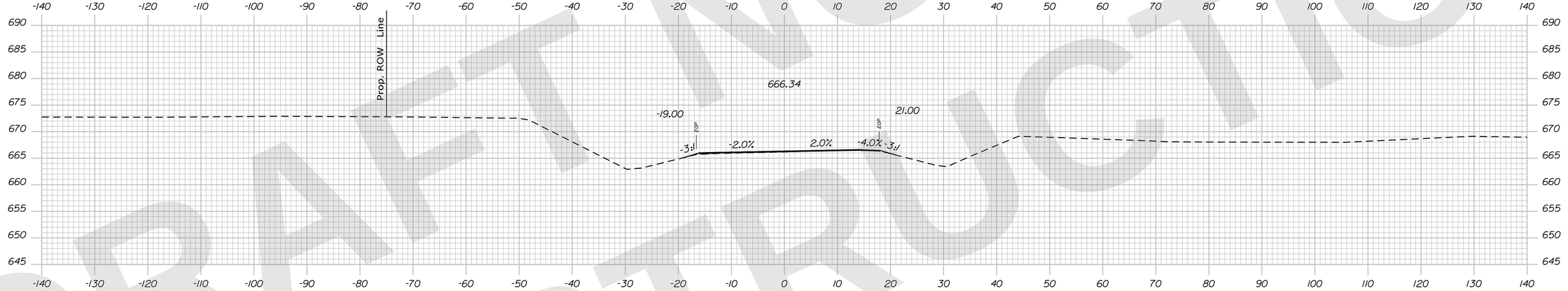
Sta. 901+50.00 to Sta. 902+50.00

Filename: ...\Plonset\H5_04_Xsect_Romps.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025

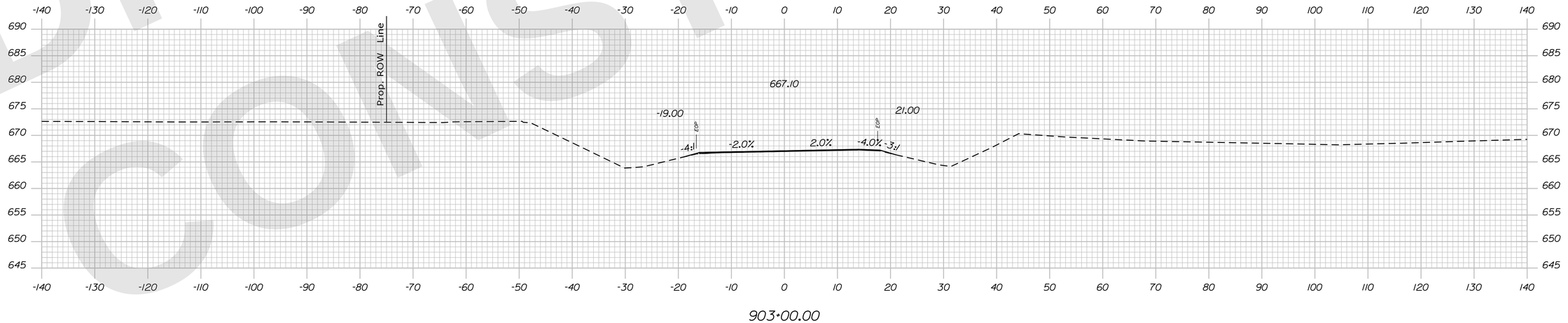
DRAFT NOT FOR CONSTRUCTION



904+00.00



903+50.00



903+00.00

DRAFT NOT FOR CONSTRUCTION

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 6462.92

HIGHWAY PLANS

vhb

	R.M.	DATE
PROJ. MANAGER		
DESIGN-DETAILED	ZBW	9/2/2025
CHECKED-REVIEWED	ECF	9/2/2025
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

BY
JBD
AG

PRESQUE ISLE
SOUTHBOUND OFF RAMP

CROSS SECTIONS

SHEET NUMBER
H-415
519
OF 747

Sta. 903+00.00 to Sta. 904+00.00

Filename: ...\Plonset\H5_04_Xsect_Ramps.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 6462.92

HIGHWAY PLANS

vhb

PROJ. MANAGER		
DESIGN-DETAILED	ZBW	9/2/2025
CHECKED-REVIEWED	EOF	9/2/2025
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

R.M. JBD AG

PRESQUE ISLE
SOUTHBOUND OFF RAMP

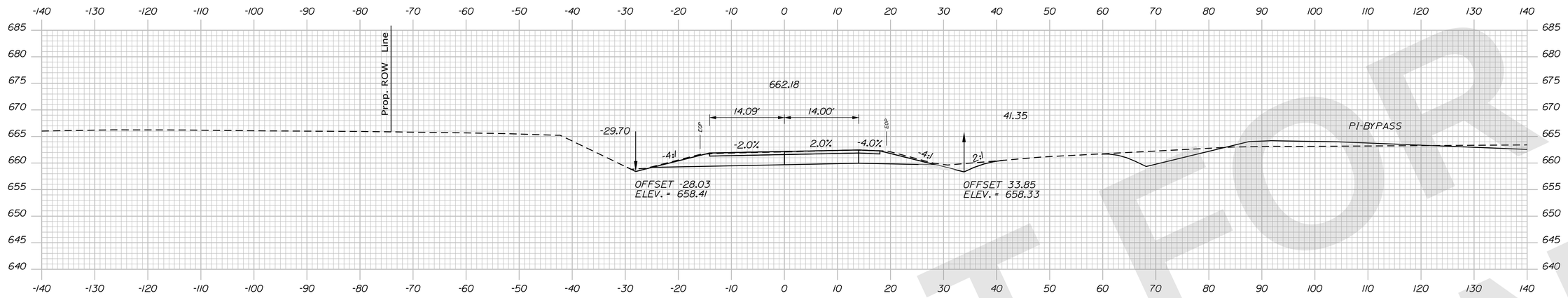
CROSS SECTIONS

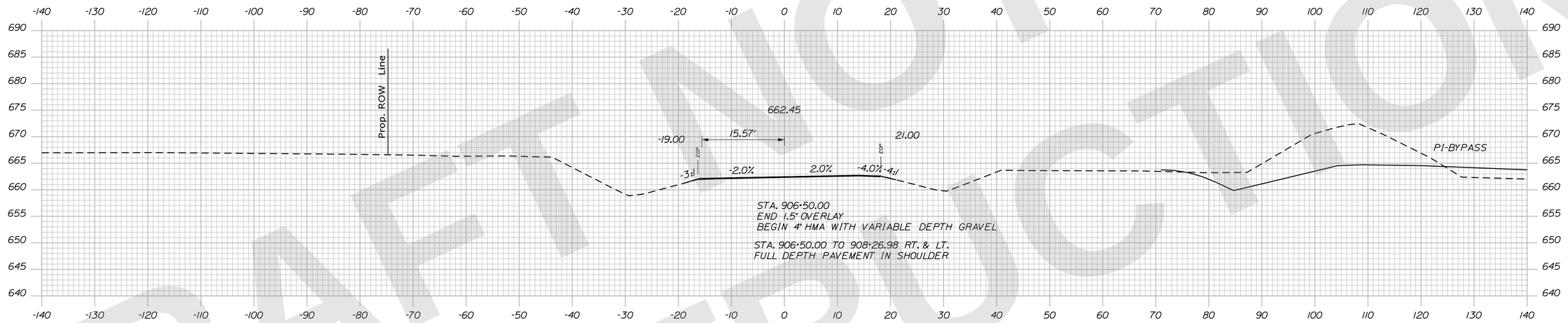
SHEET NUMBER
H-416
520
OF 747

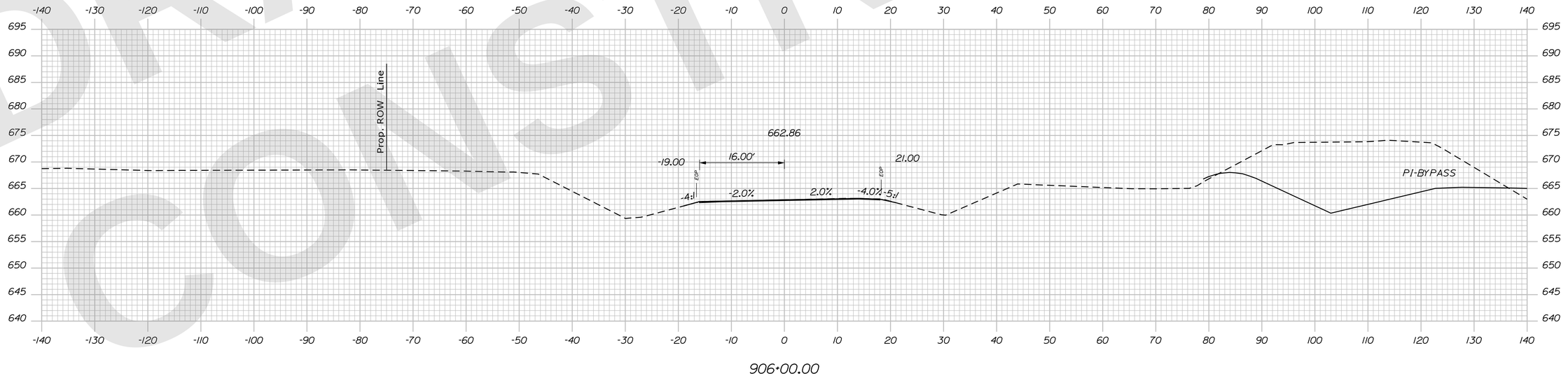
Sta. 904+50.00 to Sta. 905+50.00

Filename: ...\Planset\H5_04_Xsect_Ramps.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025

PRELIMINARY NOT FOR CONSTRUCTION







STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 6462.92

HIGHWAY PLANS

vhb

	BY	DATE
PROJ. MANAGER	R.M.	
DESIGN-DETAILED	ZBW	9/2/2025
CHECKED-REVIEWED	ECF	9/2/2025
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

PRESQUE ISLE
SOUTHBOUND OFF RAMP

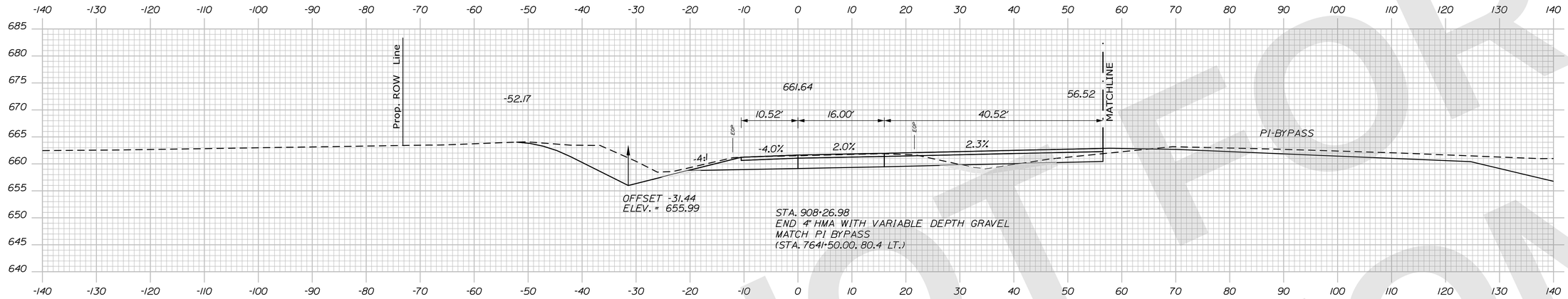
CROSS SECTIONS

SHEET NUMBER
H-417
521
OF 747

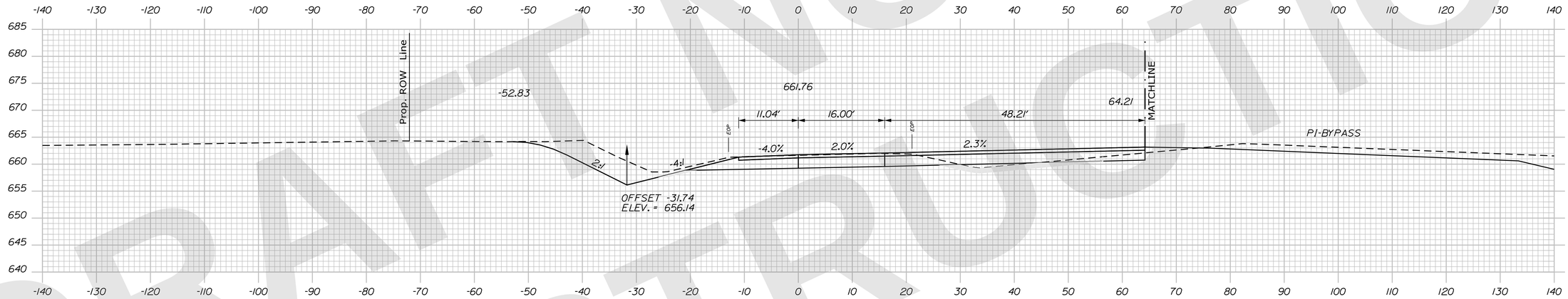
Sta. 906+00.00 to Sta. 907+00.00

Username: jamesdavis Date:9/2/2025
Division: HIGHWAY
Filename: ...\Planset\H5_04_Xsect_Ramps.dgn

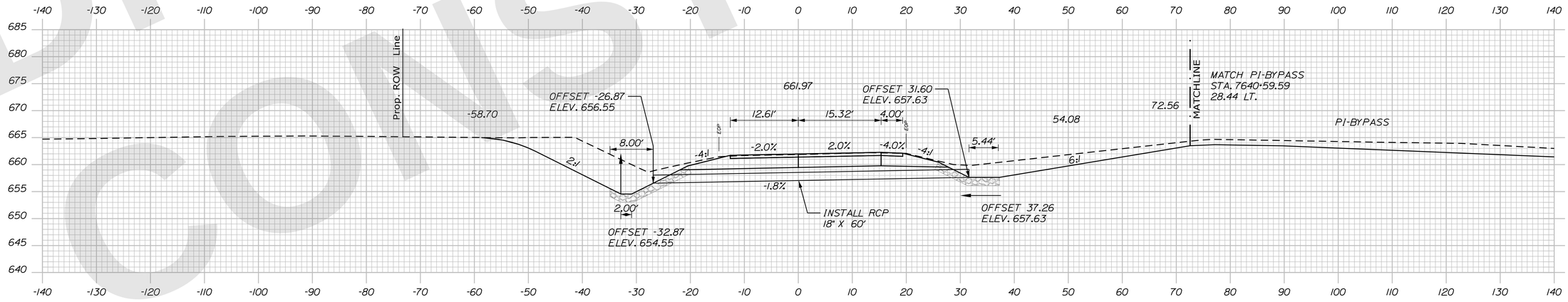
DRAFT NOT FOR CONSTRUCTION



908+26.98



908+00.00



907+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN
6462.92

HIGHWAY PLANS

vhb

	R.M.	BY	DATE
PROJ. MANAGER			
DESIGN-DETAILED	ZBW	JBD	9/2/2025
CHECKED-REVIEWED	ECF	AG	9/2/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

PRESQUE ISLE
SOUTHBOUND OFF RAMP

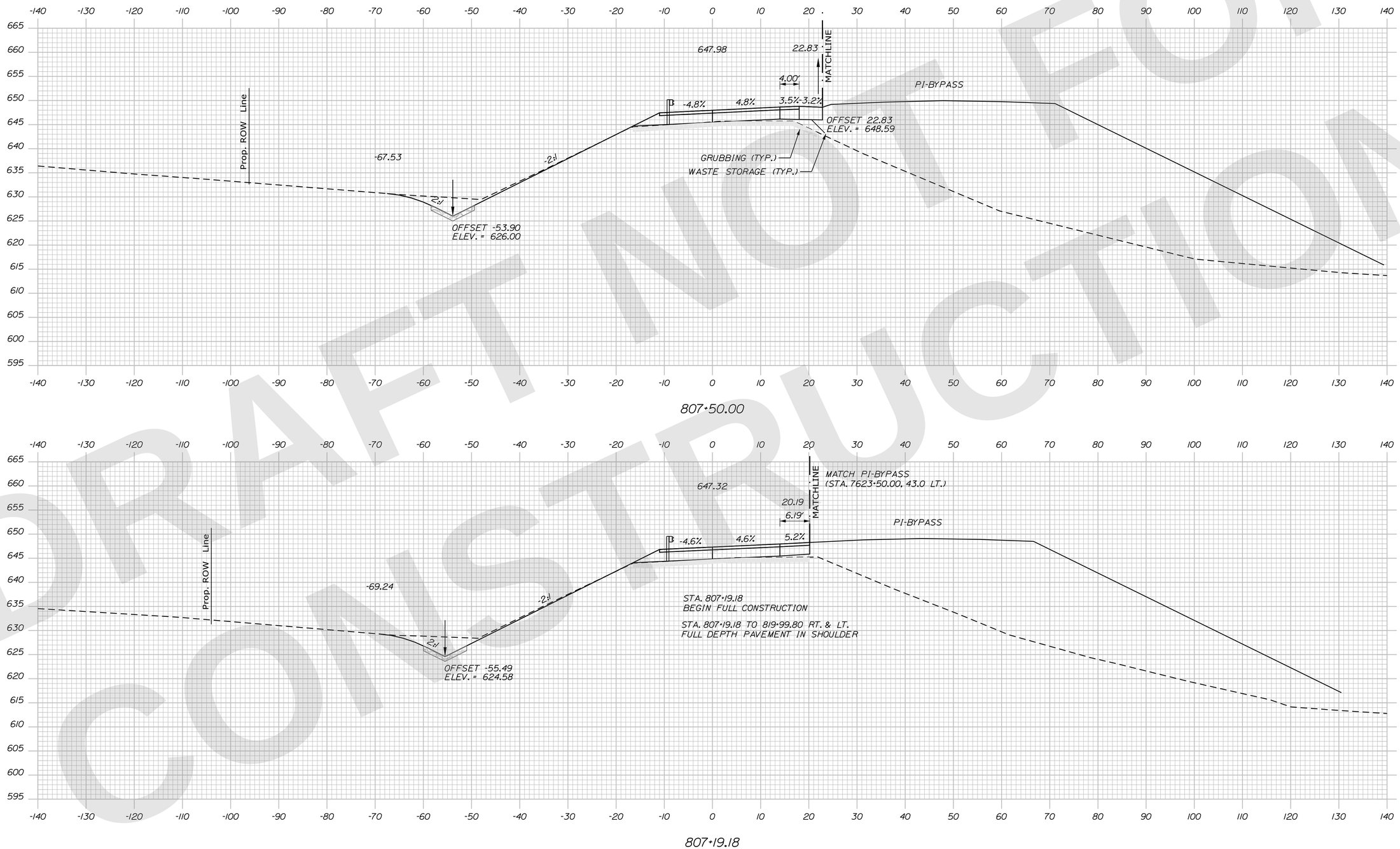
CROSS SECTIONS

SHEET NUMBER
H-418
522
OF 747

Sta. 907+50.00 to Sta. 908+26.98

DRAFT NOT FOR CONSTRUCTION

Filename: ...\Planset\H5_04_Xsect_Ramps.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN
6462.92

HIGHWAY PLANS

vhb

	BY	DATE
R.M.		
PROJ. MANAGER		
DESIGN-DETAILED	JBD	9/2/2025
CHECKED-REVIEWED	ZBW	
DESIGN2-DETAILED2	AG	9/2/2025
DESIGN3-DETAILED3	ECF	
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

PRESQUE ISLE
SOUTHBOUND ON RAMP

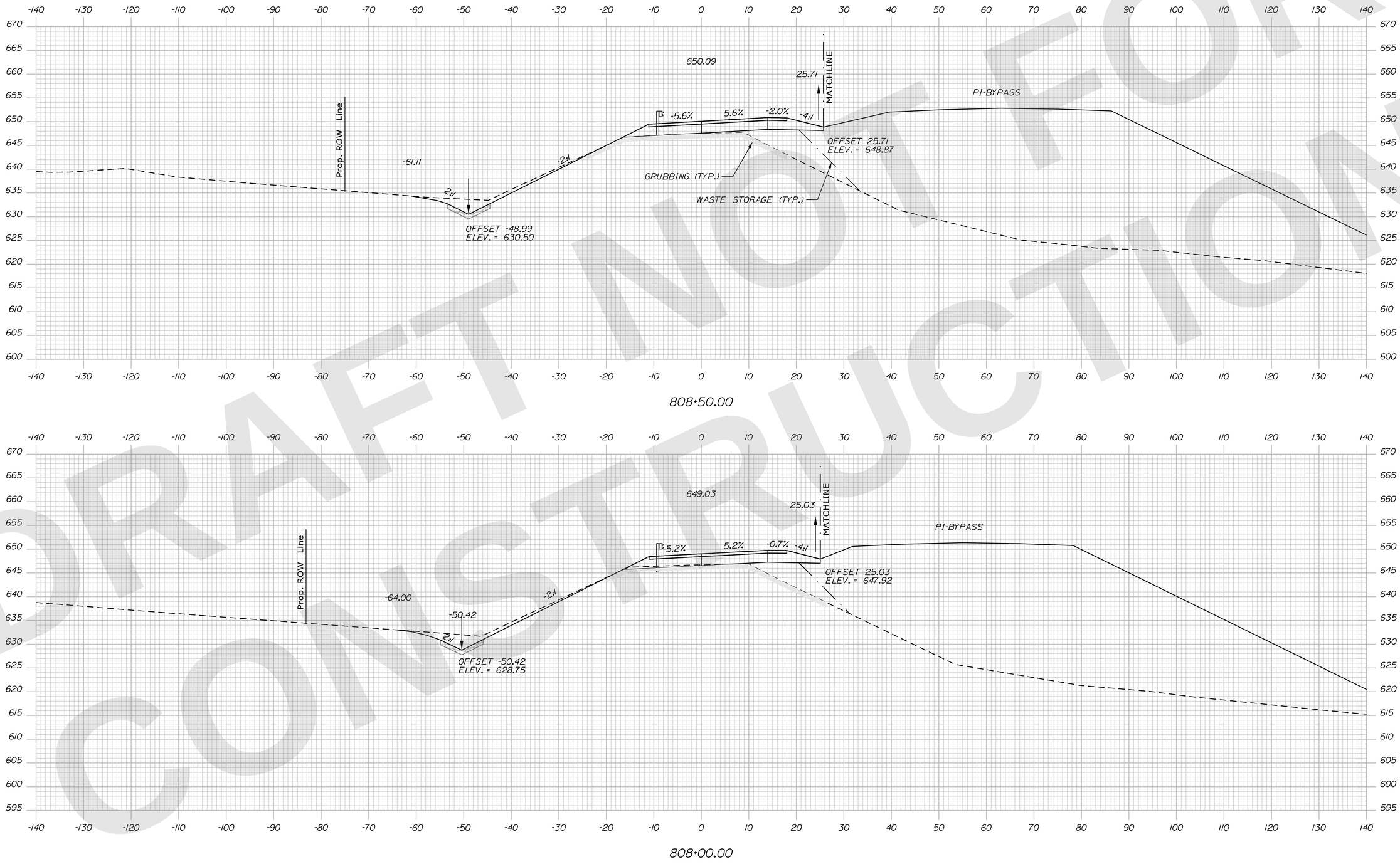
CROSS SECTIONS

SHEET NUMBER
H-419
523
OF 747

Sta. 807+19.18 to Sta. 807+50.00

Filename: ...\Plonset\H5_04_Xsect_Romps.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025

DRAFT NOT FOR CONSTRUCTION



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN
6462.92

HIGHWAY PLANS

vhb

PROJ. MANAGER	R.M.		
DESIGN-DETAILED	ZBW	JBD	9/2/2025
CHECKED-REVIEWED	ECF	AG	9/2/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

PRESQUE ISLE
SOUTHBOUND ON RAMP

CROSS SECTIONS

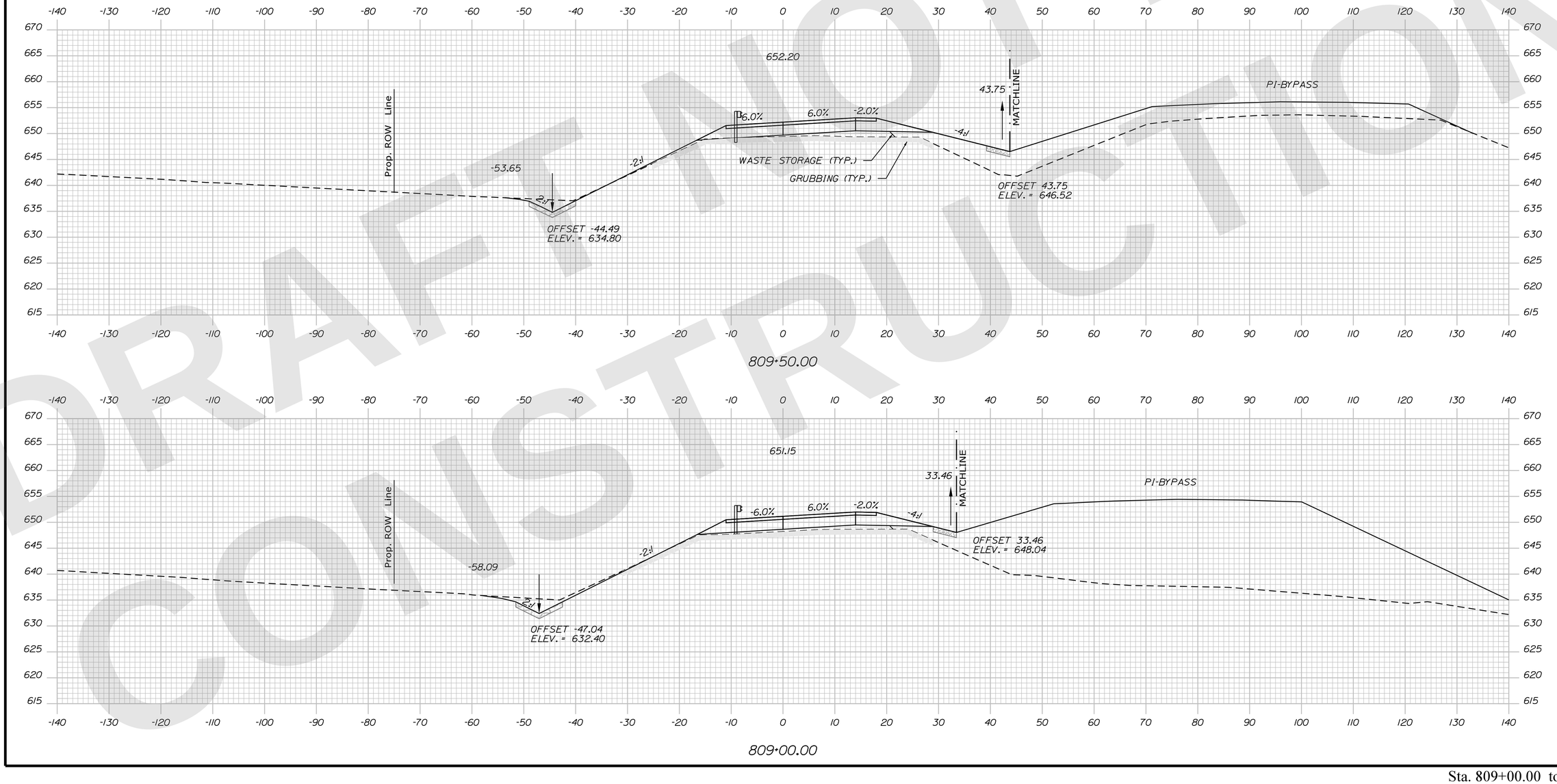
SHEET NUMBER
H-420
524
OF 747

Sta. 808+00.00 to Sta. 808+50.00

Filename: ...\Plonset\H5_04_Xsect_Romps.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025

DRAFT NOT FOR CONSTRUCTION

DRAFT NOT FOR CONSTRUCTION



Sta. 809+00.00 to Sta. 809+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN
6462.92

HIGHWAY PLANS

vhb

	R.M.	BY	DATE
PROJ. MANAGER			
DESIGN-DETAILED	ZBW	JBD	9/2/2025
CHECKED-REVIEWED	ECF	AG	9/2/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

PRESQUE ISLE
SOUTHBOUND ON RAMP

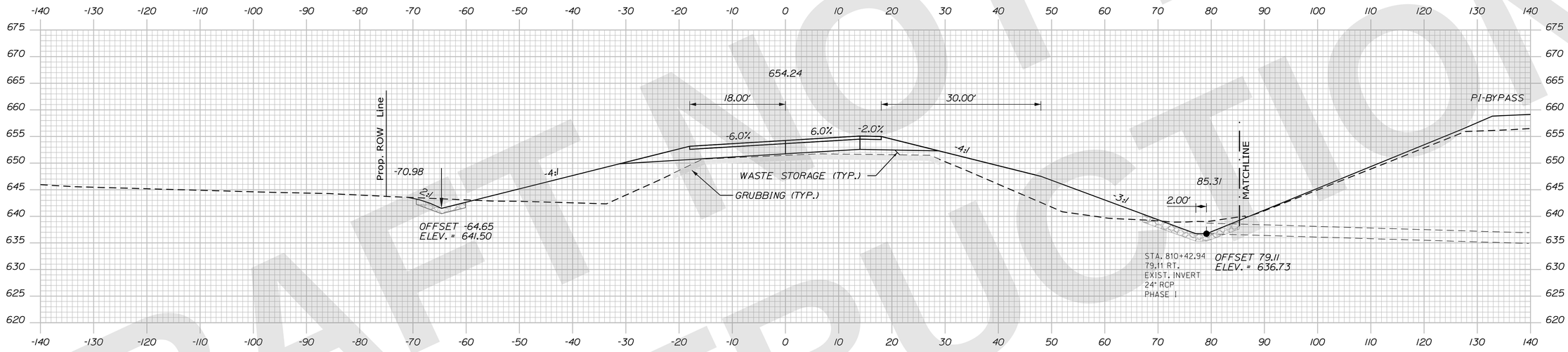
CROSS SECTIONS

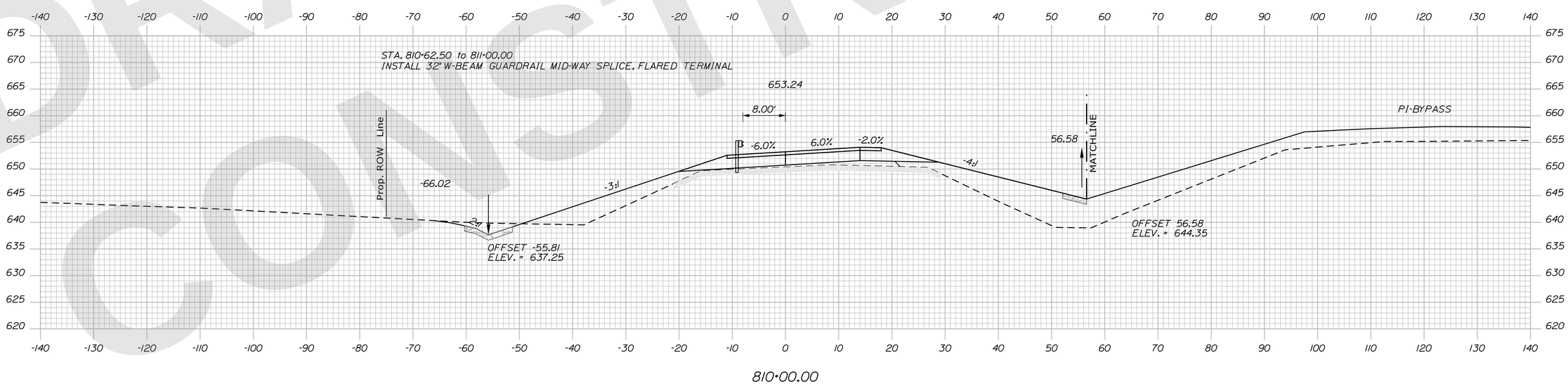
SHEET NUMBER
H-421
525
OF 747

Filename: ...\Plonset\H5_04_Xsect_Ramps.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025

Username: jamesdavis Date:9/2/2025
Division: HIGHWAY
Filename: ...\Planset\H5_04_XsectL_Ramps.dgn

DRAFT NOT FOR CONSTRUCTION





STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 6462.92

HIGHWAY PLANS

vhb

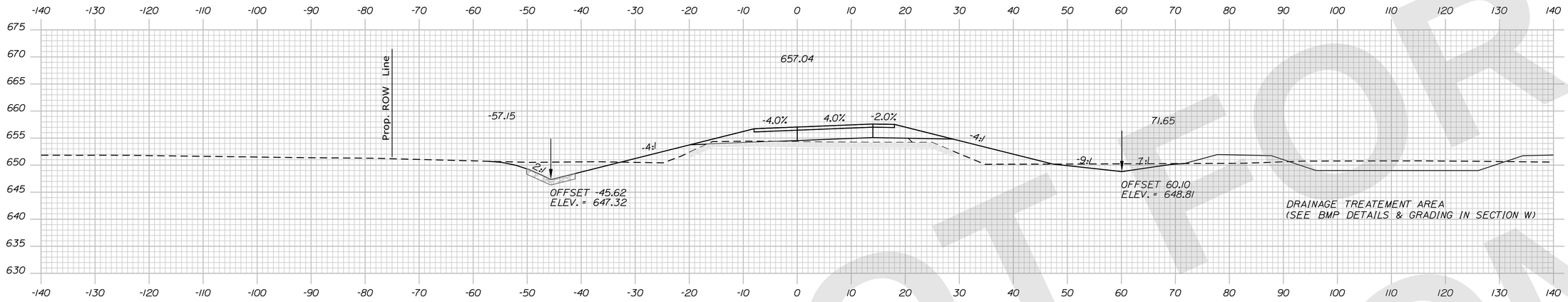
PROJ. MANAGER	R.M.	BY	DATE
DESIGN-DETAILED	ZBW	JBD	9/2/2025
CHECKED-REVIEWED	ECF	AG	9/2/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

PRESQUE ISLE
SOUTHBOUND ON RAMP

CROSS SECTIONS

SHEET NUMBER
H-422
526
OF 747

Sta. 810+00.00 to Sta. 810+50.00



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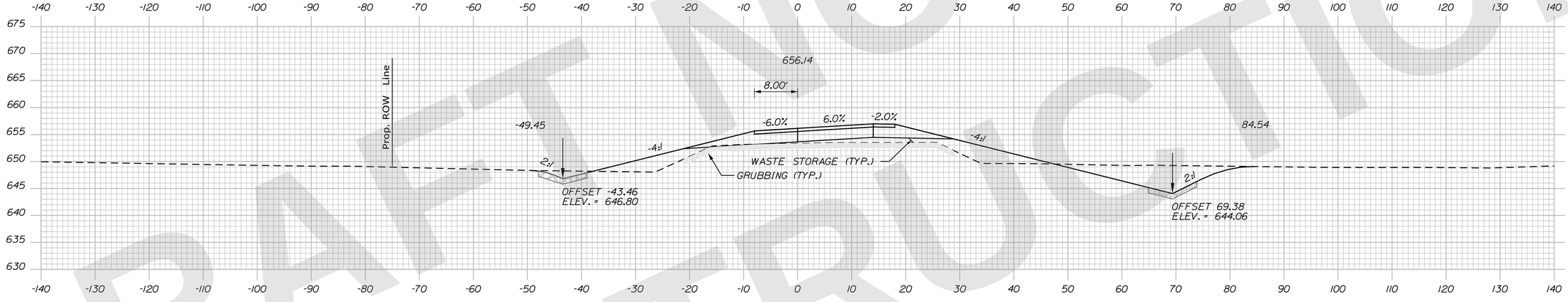

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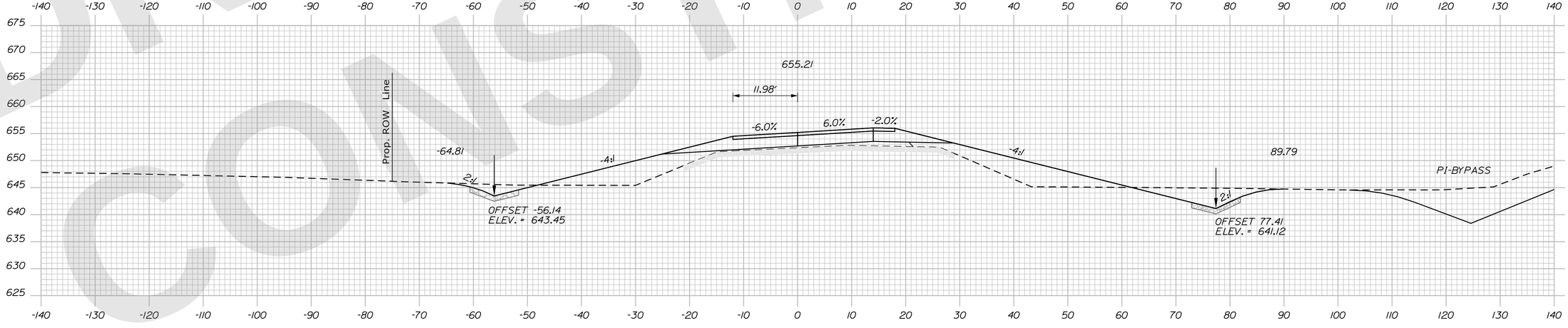


811+00.00

DRAFT NOT FOR CONSTRUCTION

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 6462.92

HIGHWAY PLANS

vhb

PROJ. MANAGER	R.M.	BY	DATE
DESIGN-DETAILED	ZBW	JBD	9/2/2025
CHECKED-REVIEWED	ECF	AG	9/2/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

PRESQUE ISLE
SOUTHBOUND ON RAMP

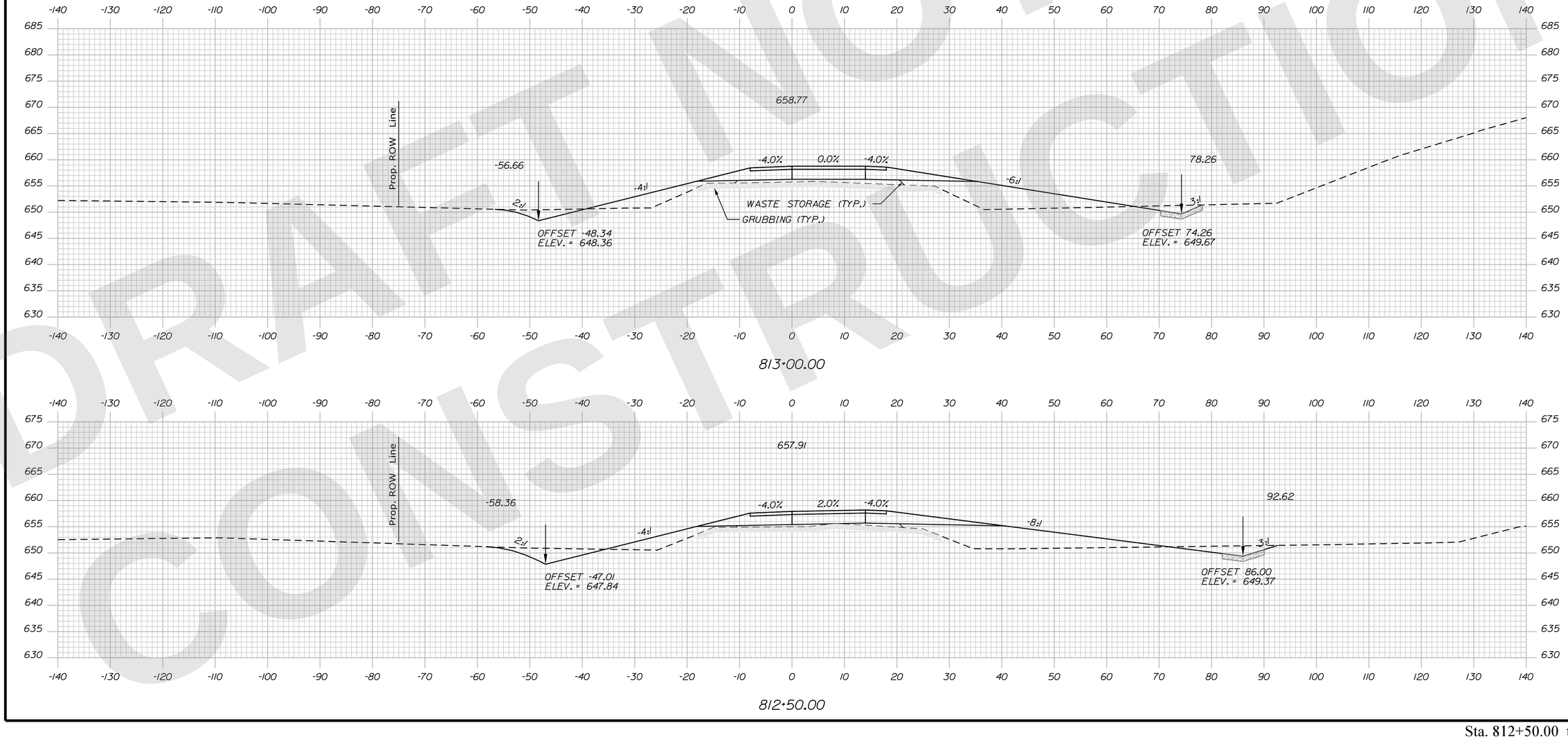
CROSS SECTIONS

SHEET NUMBER
H-423
527
OF 747

Sta. 811+00.00 to Sta. 812+00.00

Filename: ...\Planset\H5_04_Xsect_Ramps.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025

Filename: ...\Planset\H5_04_Xsect_Ramps.dgn Username: jamesdavis Division: HIGHWAY Date:9/2/2025



DRAFT NOT FOR CONSTRUCTION

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 6462.92

HIGHWAY PLANS

vhb

	R.M.	BY	DATE
PROJ. MANAGER			
DESIGN-DETAILED	ZBW	JBD	9/2/2025
CHECKED-REVIEWED	ECF	AG	9/2/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

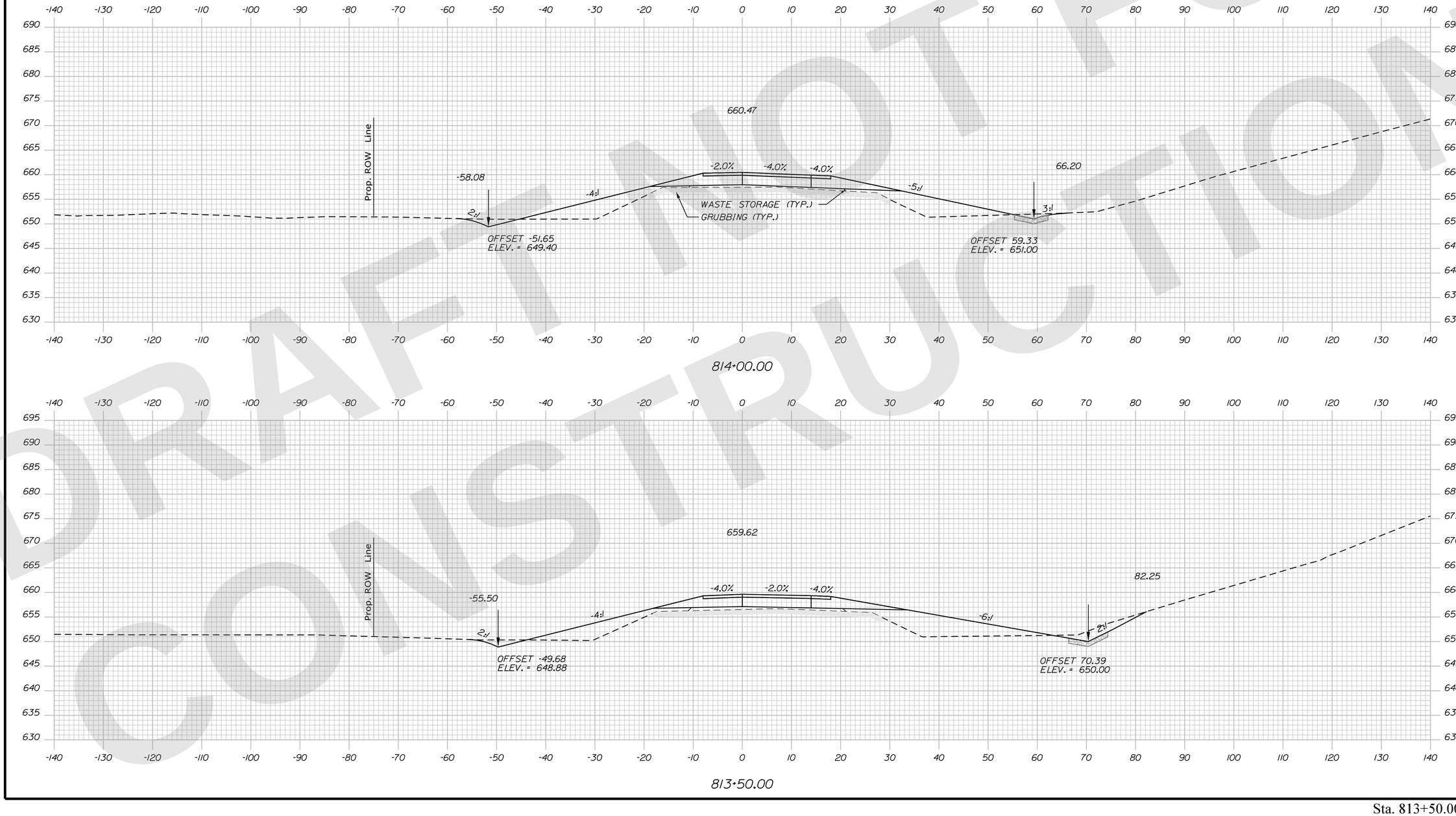
PRESQUE ISLE
SOUTHBOUND ON RAMP

CROSS SECTIONS

SHEET NUMBER
H-424
528
OF 747

Sta. 812+50.00 to Sta. 813+00.00

Filename: ...\Plonset\H5_04_Xsect_Romps.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 6462.92

HIGHWAY PLANS

vhb

	R.M.	BY	DATE
PROJ. MANAGER			
DESIGN-DETAILED	ZBW	JBD	9/2/2025
CHECKED-REVIEWED	ECF	AG	9/2/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

PRESQUE ISLE
SOUTHBOUND ON RAMP

CROSS SECTIONS

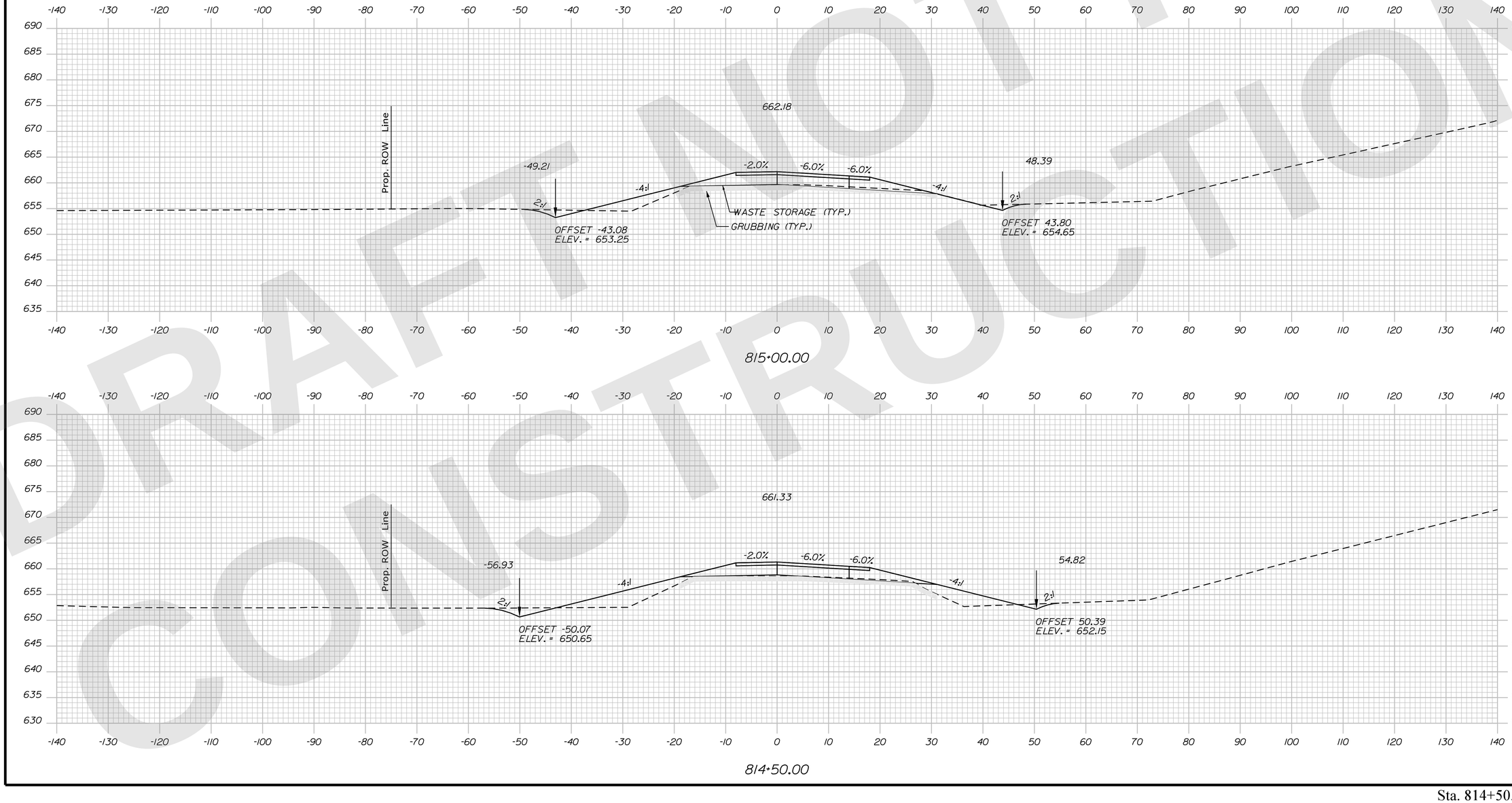
SHEET NUMBER
H-425
529
OF 747

Sta. 813+50.00 to Sta. 814+00.00

DRAFT NOT FOR CONSTRUCTION

Filename: ...\Plonset\H5_04_Xsect_Ramps.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025

DRAFT NOT FOR CONSTRUCTION



Sta. 814+50.00 to Sta. 815+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 6462.92

HIGHWAY PLANS

vhb

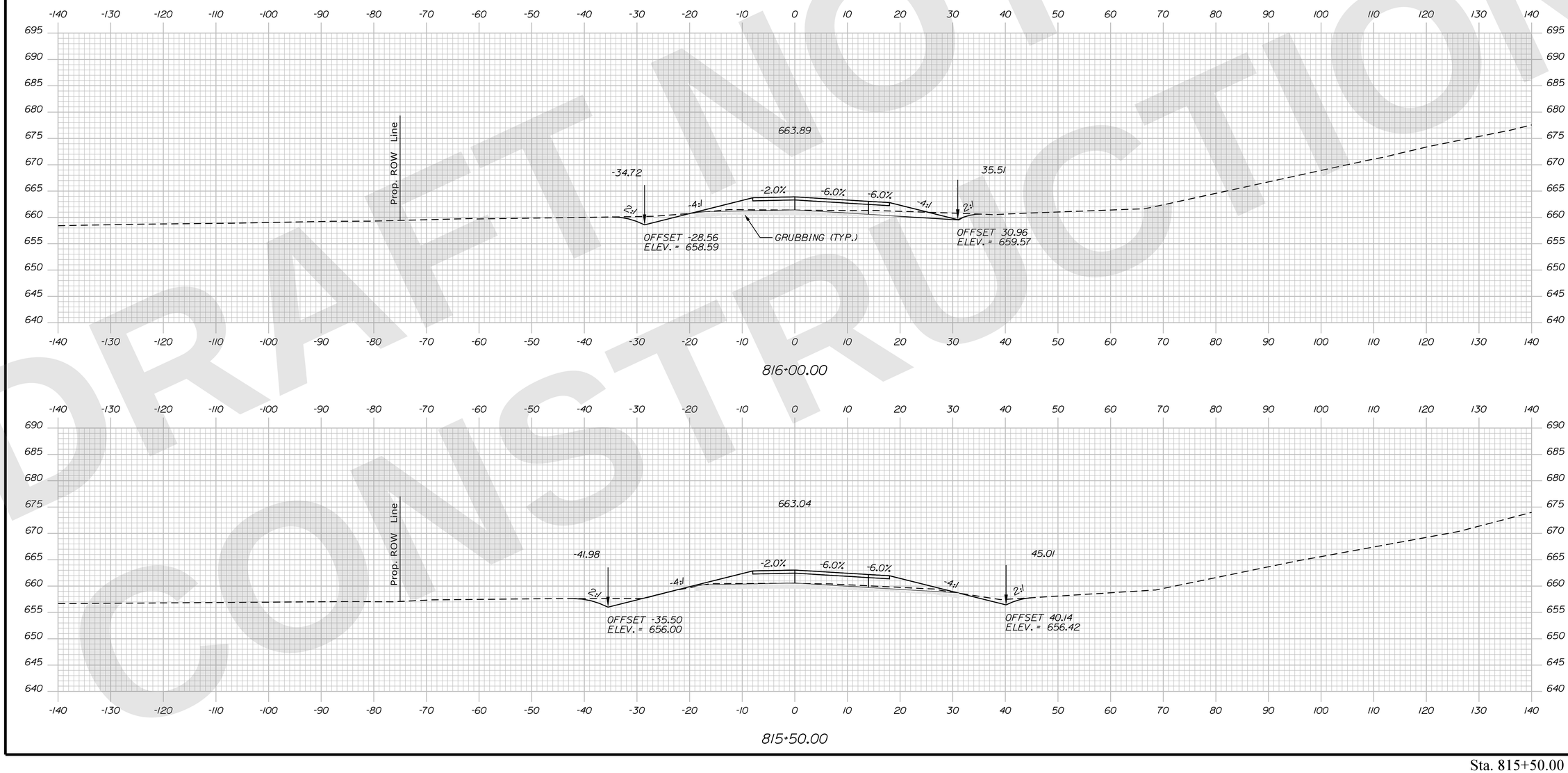
	R.M.	BY	DATE
PROJ. MANAGER			
DESIGN-DETAILED	ZBW	JBD	9/2/2025
CHECKED-REVIEWED	ECF	AG	9/2/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

PRESQUE ISLE
SOUTHBOUND ON RAMP

CROSS SECTIONS

SHEET NUMBER
H-426
530
OF 747

DRAFT NOT FOR CONSTRUCTION



Sta. 815+50.00 to Sta. 816+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN
6462.92

HIGHWAY PLANS

vhb

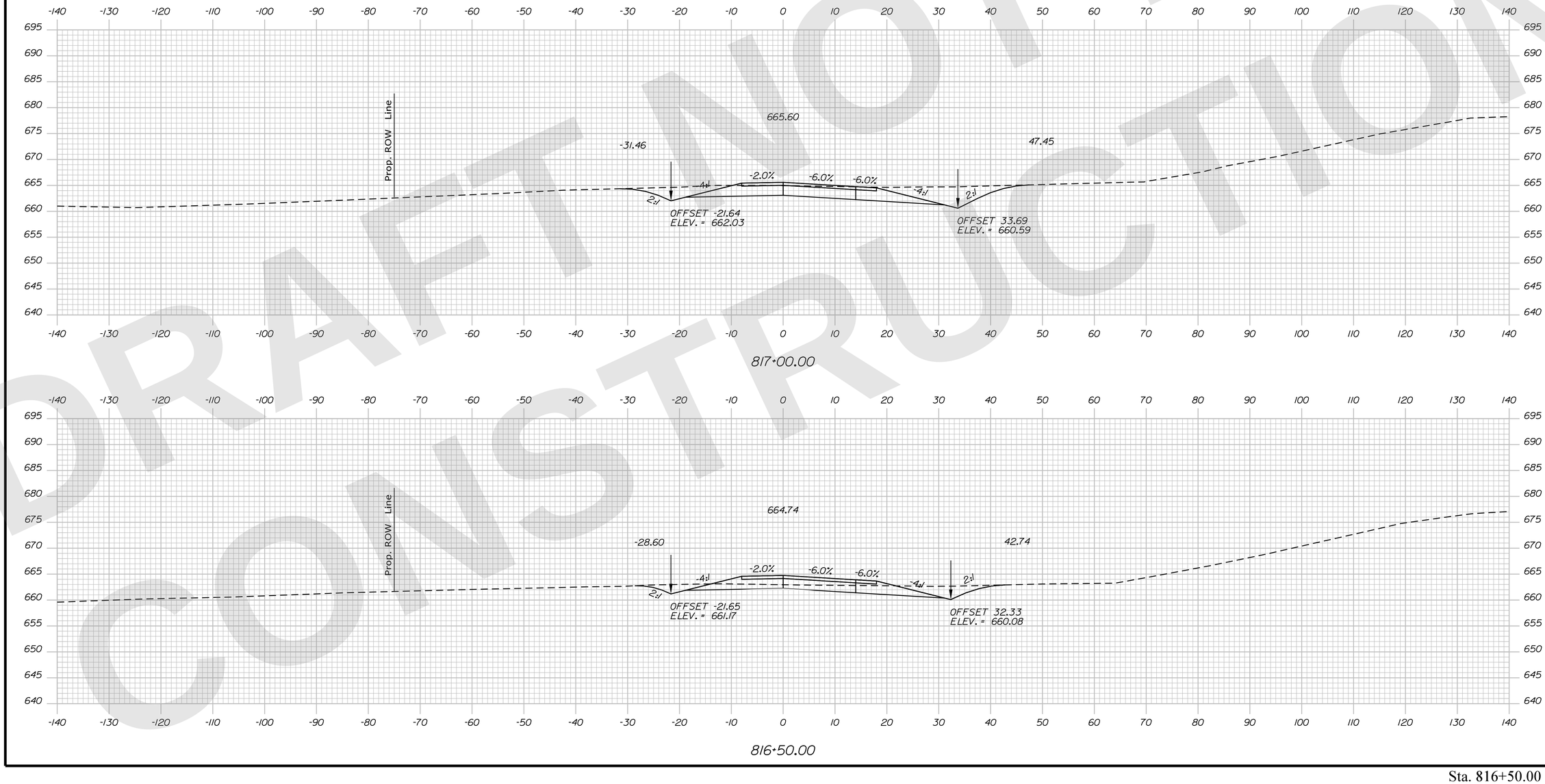
	R.M.	BY	DATE
PROJ. MANAGER			
DESIGN-DETAILED	ZBW	JBD	9/2/2025
CHECKED-REVIEWED	ECF	AG	9/2/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

PRESQUE ISLE
SOUTHBOUND ON RAMP

CROSS SECTIONS

SHEET NUMBER
H-427
531
OF 747

Filename: ...\Planset\H5_04_Xsect_Romps.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025



DRAFT NOT FOR CONSTRUCTION

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 6462.92

HIGHWAY PLANS

vhb

	R.M.	BY	DATE
PROJ. MANAGER			
DESIGN-DETAILED	ZBW	JBD	9/2/2025
CHECKED-REVIEWED	ECF	AG	9/2/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

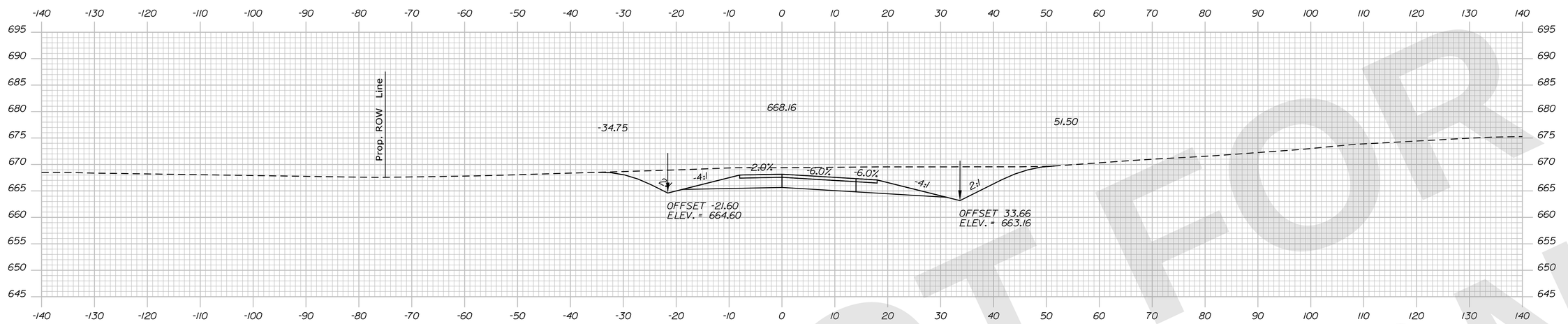
PRESQUE ISLE
SOUTHBOUND ON RAMP

CROSS SECTIONS

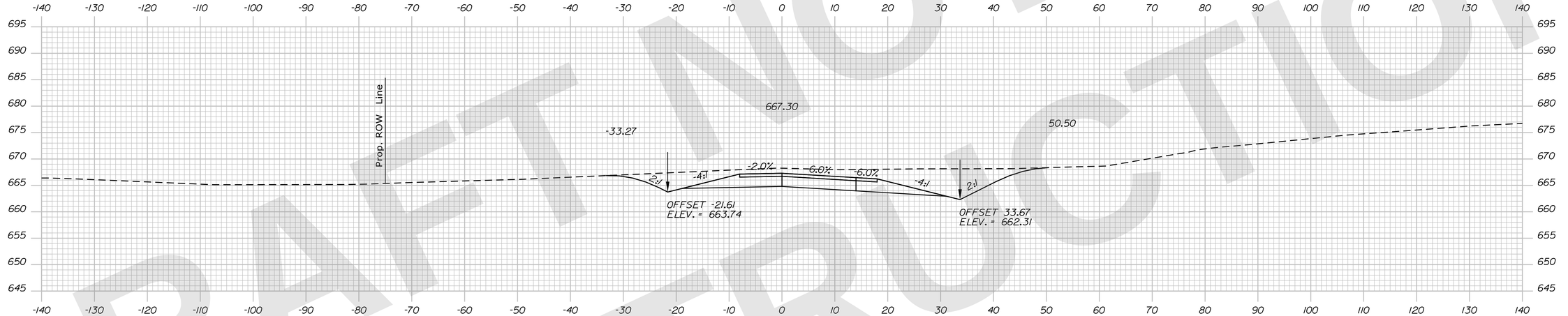
SHEET NUMBER
H-428
532
OF 747

Sta. 816+50.00 to Sta. 817+00.00

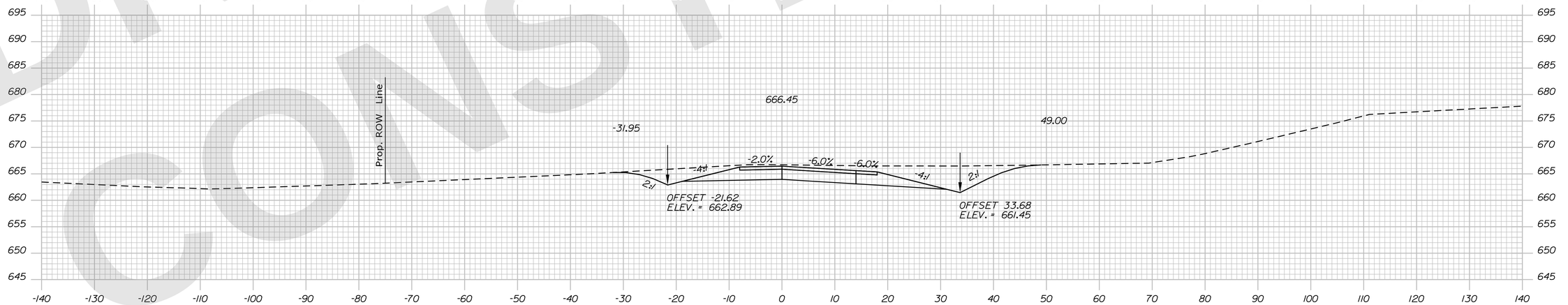
Filename: ...\Plonset\H5_04_Xsect_Ramps.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025



818+50.00



818+00.00



817+50.00

Sta. 817+50.00 to Sta. 818+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN
6462.92

HIGHWAY PLANS

vhb

PROJ. MANAGER			
DESIGN-DETAILED	ZBW	JBD	9/2/2025
CHECKED-REVIEWED	ECF	AG	9/2/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

PRESQUE ISLE
SOUTHBOUND ON RAMP

CROSS SECTIONS

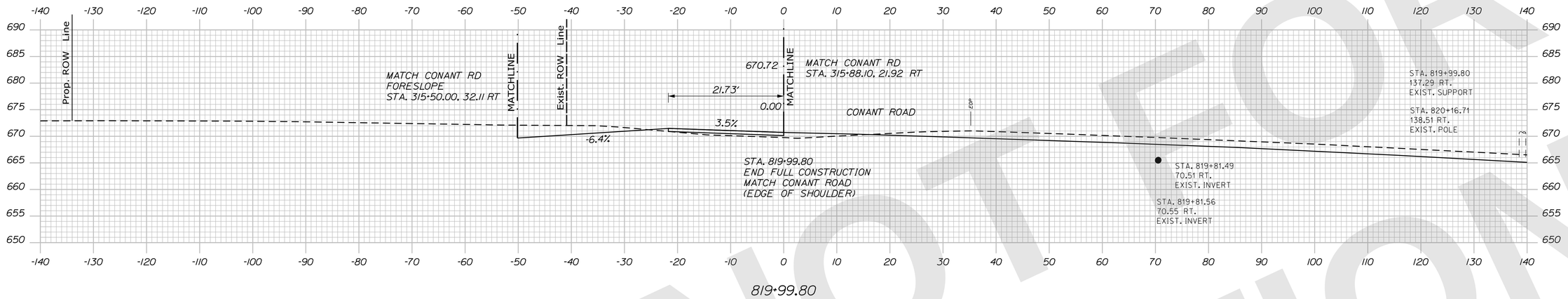
SHEET NUMBER
H-429
533
OF 747

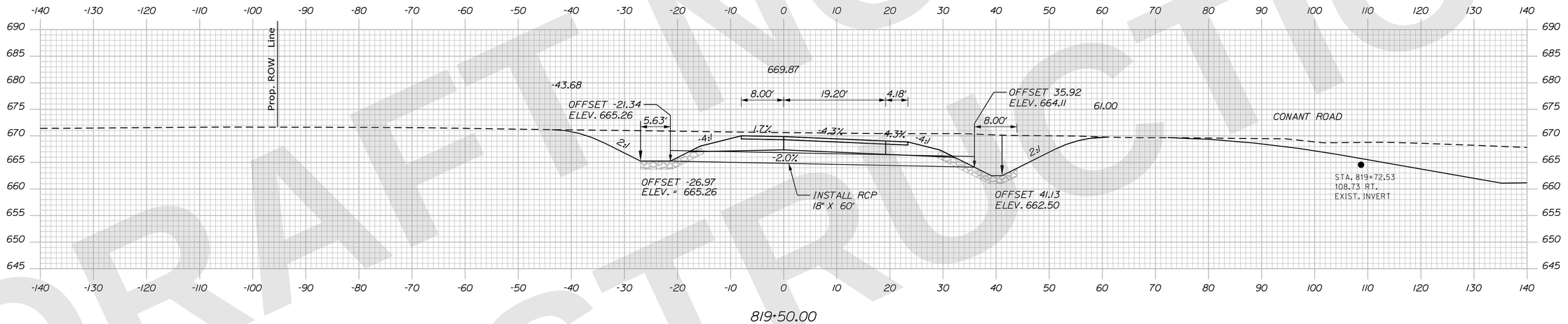
Filename: ...\Plonset\H5_04_Xsect_Romps.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025

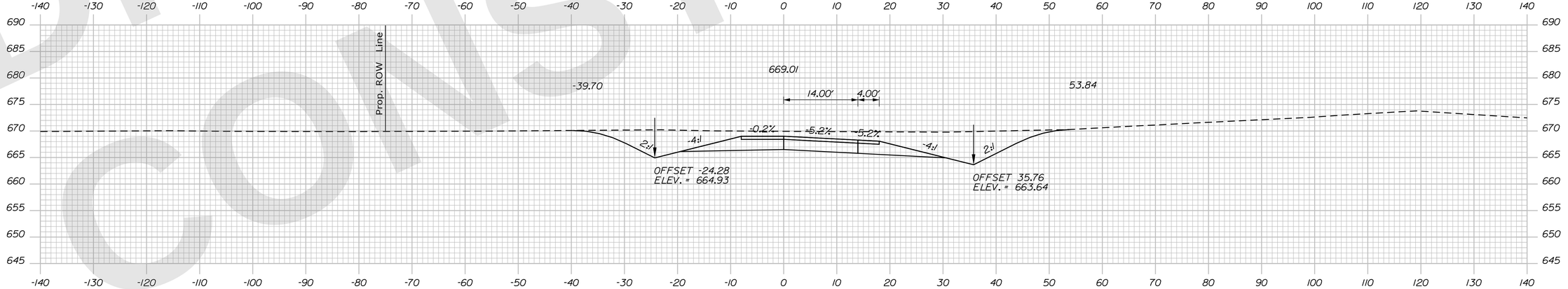
DRAFT NOT FOR CONSTRUCTION

Filename: ...\Planset\H5_04_Xsect_Ramps.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025

DRAFT NOT FOR CONSTRUCTION







STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN
6462.92

HIGHWAY PLANS

vhb

PROJ. MANAGER	BY	DATE
DESIGN-DETAILED	ZBW	9/2/2025
CHECKED-REVIEWED	ECF	
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

R.M. JBD 9/2/2025
AG

PRESQUE ISLE
SOUTHBOUND ON RAMP

CROSS SECTIONS

SHEET NUMBER
H-430
534
OF 747

Sta. 819+00.00 to Sta. 819+99.80

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

SPECIFICATIONS

Design: Load and Resistance Factor Design per AASHTO LRFD Bridge Design Specifications, Ninth Edition 2020.

DESIGN LOADING

Live Load ..... HL - 93 Modified for Strength I

TRAFFIC DATA

Current (2026) AADT	4330
Future (2046) AADT	4760
DHV - % of AADT	9%
Design Hour Volume	428
% Heavy Trucks (AADT)	11%
% Heavy Trucks (DHV)	11%
Directional Distribution (% of DHV)	51%
18 kip Equivalent P 2.0	567
18 kip Equivalent P 2.5	540
Design Speed (mph)	55

MATERIALS

Concrete:
- Fill ..... "Fill"
- All Other ..... Class "A"

Reinforcing:
- Plain Reinforcing Steel ..... ASTM A615, Grade 60
- Low-Carbon Chromium Steel: ..... ASTM A1035, Type CS, Grade 100

Structural Steel:
- All Material (except as noted) ..... ASTM A709, Grade 50
- High Strength Bolts ..... ASTM F3125, Grade A325, Type 1

BASIC DESIGN STRESSES

Concrete:
- Class "A" ..... f 'c = 4,000 psi

Reinforcing:
- Plain Reinforcing Steel ..... f y = 60,000 psi
- Low-Carbon Chromium Steel: ..... f y = 100,000 psi

Structural Steel:
- ASTM A709, Grade 50 ..... F y = 50,000 psi
- ASTM F3125, Grade A325 ..... F μ = 120,000 psi

PRESQUE ISLE
AROOSTOOK COUNTY
HENDERSON ROAD BRIDGE
OVER
HENDERSON ROAD
PRESQUE ISLE BYPASS
BRIDGE NO. 6580

LIST OF DRAWINGS

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Abutment No. 1 Footing Reinforcing	B-12
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Abutment No. 1 Stem Reinforcing (2 of 2)	B-14
Abutment No. 1 Wingwall Reinforcing	B-15
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PROJECT LOCATION:	Henderson Road Bridge (#6580); Presque Isle Bypass over Henderson Road Lat./Long. 46°37'20.95" N 67°57'24.35" W
PROGRAM AREA:	Highway
OUTLINE OF WORK:	New bridge construction

DRAFT NOT FOR CONSTRUCTION

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

APPROVED — DATE

COMMISSIONER:

CHIEF ENGINEER:

PROJECT INFORMATION

PROGRAM	HIGHWAY
PROJECT MANAGER	L. ROWE
DESIGNER	E. WALTON
CONSULTANT	VHB
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	

WIN 006462.92

HPP-6462(920)

PRESQUE ISLE
HENDERSON ROAD BRIDGE

TITLE SHEET

SHEET NUMBER
B-1
535
OF 747

Username: jamesdavis Date:9/2/2025
Division: HIGHWAY
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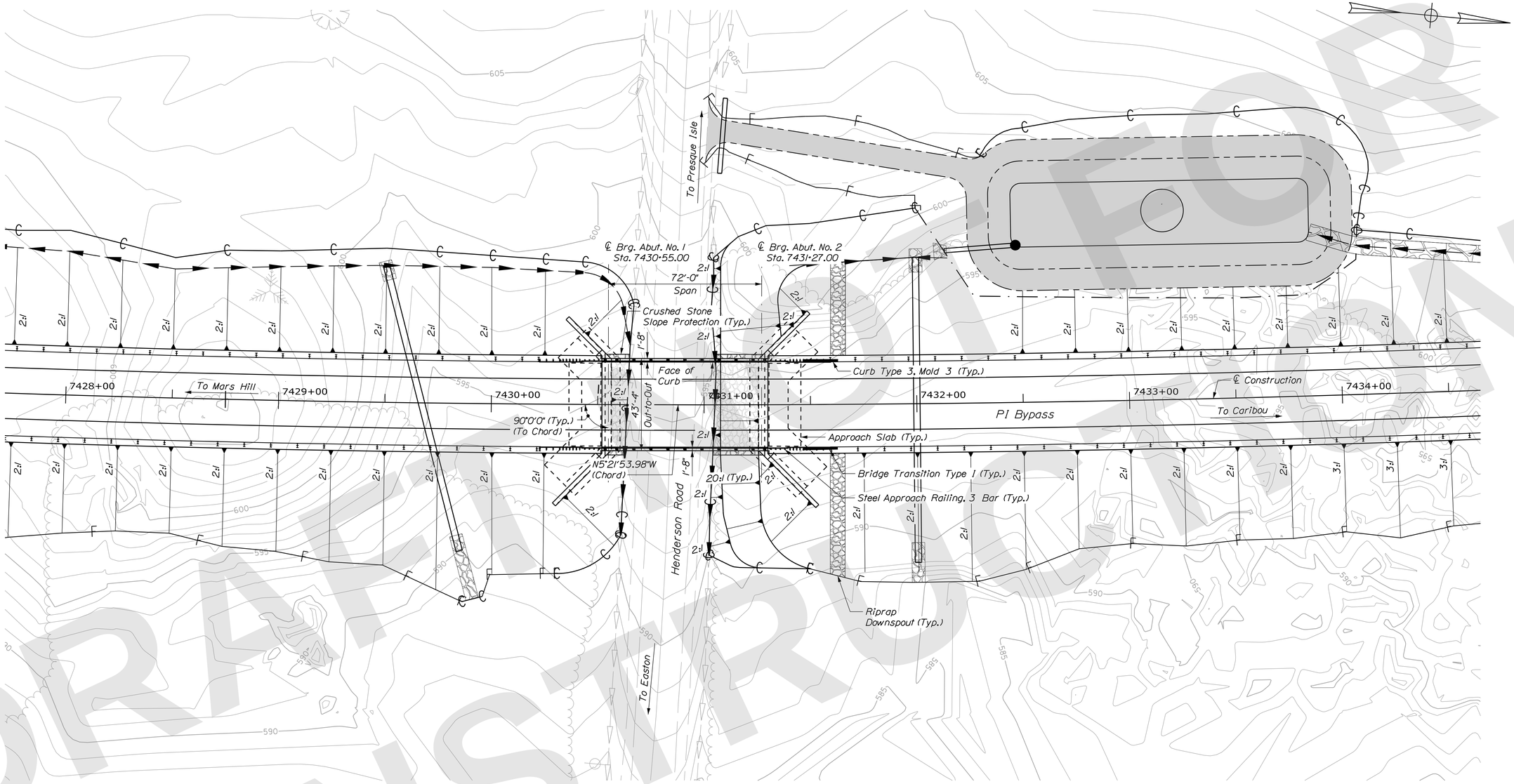


PLAN

25 0 25 50

Scale of Feet

BRIDGE CONSTRUCTION NOTES

1. For additional information and General Notes, refer to Highway Plans.

2. All utility facilities shall be adjusted by their respective utilities unless otherwise noted.

3. Place a 24 inch wide strip of Temporary Erosion Control Blanket on the sideslopes along the berm and behind the wingwalls.

4. Extended-use Erosion Control Blanket, seeded gutters, riprap downspouts, and other gutters lined with Stone Ditch Protection shall be constructed after paving and shoulder work is completed, where it is apparent that runoff will cause continual erosion. Payment will be made under the appropriate Contract items.

5. Protective Coating for Concrete Surfaces shall be applied to the following areas:

All exposed surfaces of concrete curbs.
Fascias down to the drip notch.
All exposed abutment and wingwall faces.
Top of wingwalls and to one foot below the ground of vertical walls.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 006462.92

BRIDGE NO. 6580

BRIDGE PLANS

vhb

PROJ. MANAGER	R.M.	DATE
DESIGN-DETAILED	JAH	08/2025
CHECKED-REVIEWED	ELW	08/2025
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

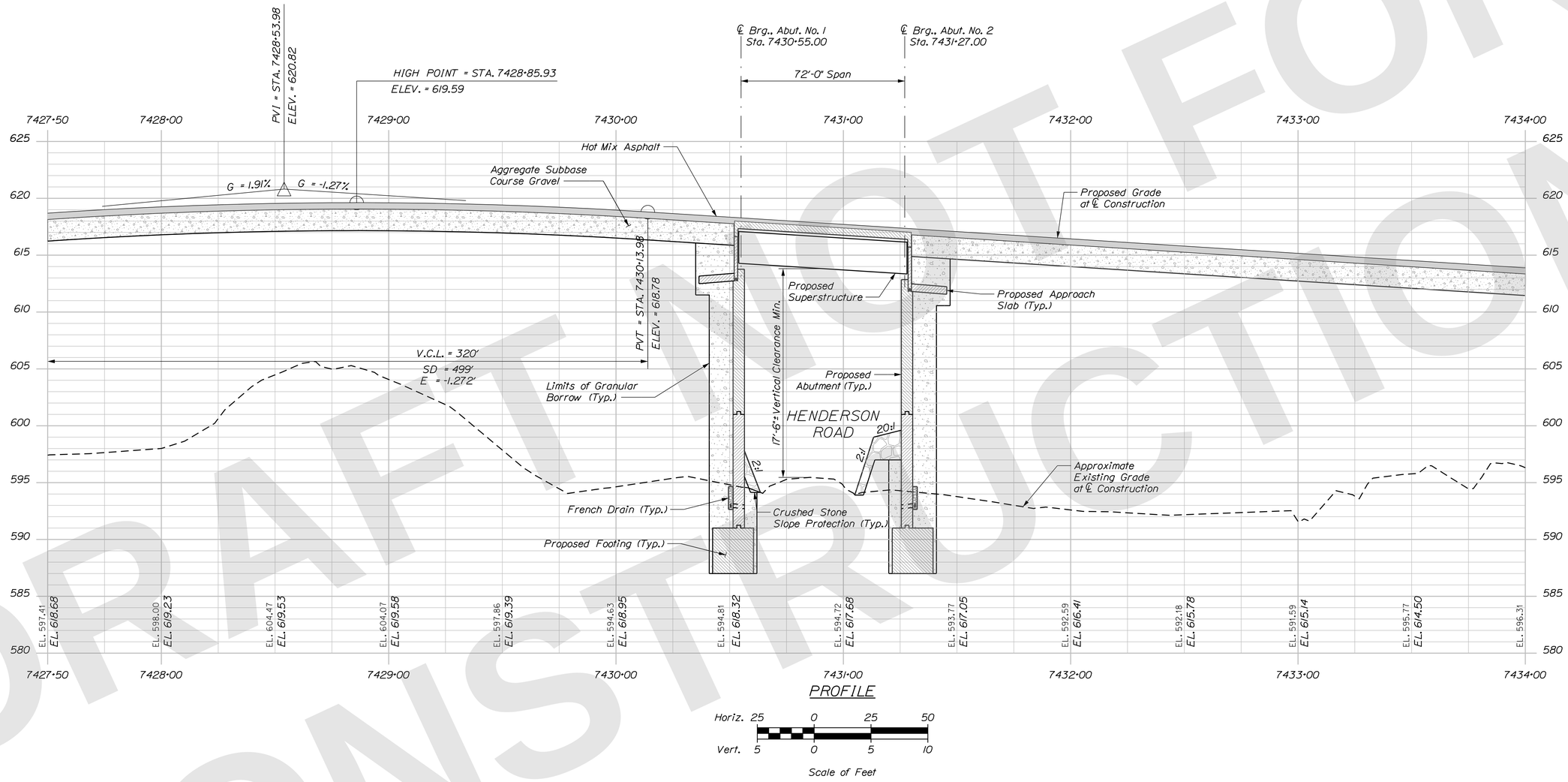
HENDERSON ROAD BRIDGE
OVER HENDERSON ROAD
PRESQUE ISLE AROOSTOOK COUNTY

BRIDGE PLAN

SHEET NUMBER
B-2
536
OF 747

DRAFT FOR CONSTRUCTION

Filename: 0B2_GenPlan.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025



PROFILE

Horiz. 25 0 25 50

Vert. 5 0 5 10

Scale of Feet

DRAFT NOT FOR CONSTRUCTION

Username: jamesdavis Date:9/2/2025

Division: HIGHWAY

Filename: ...\Henderson Rd\xxx_Profile.dgn

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 006462.92

BRIDGE NO. 6580

BRIDGE PLANS

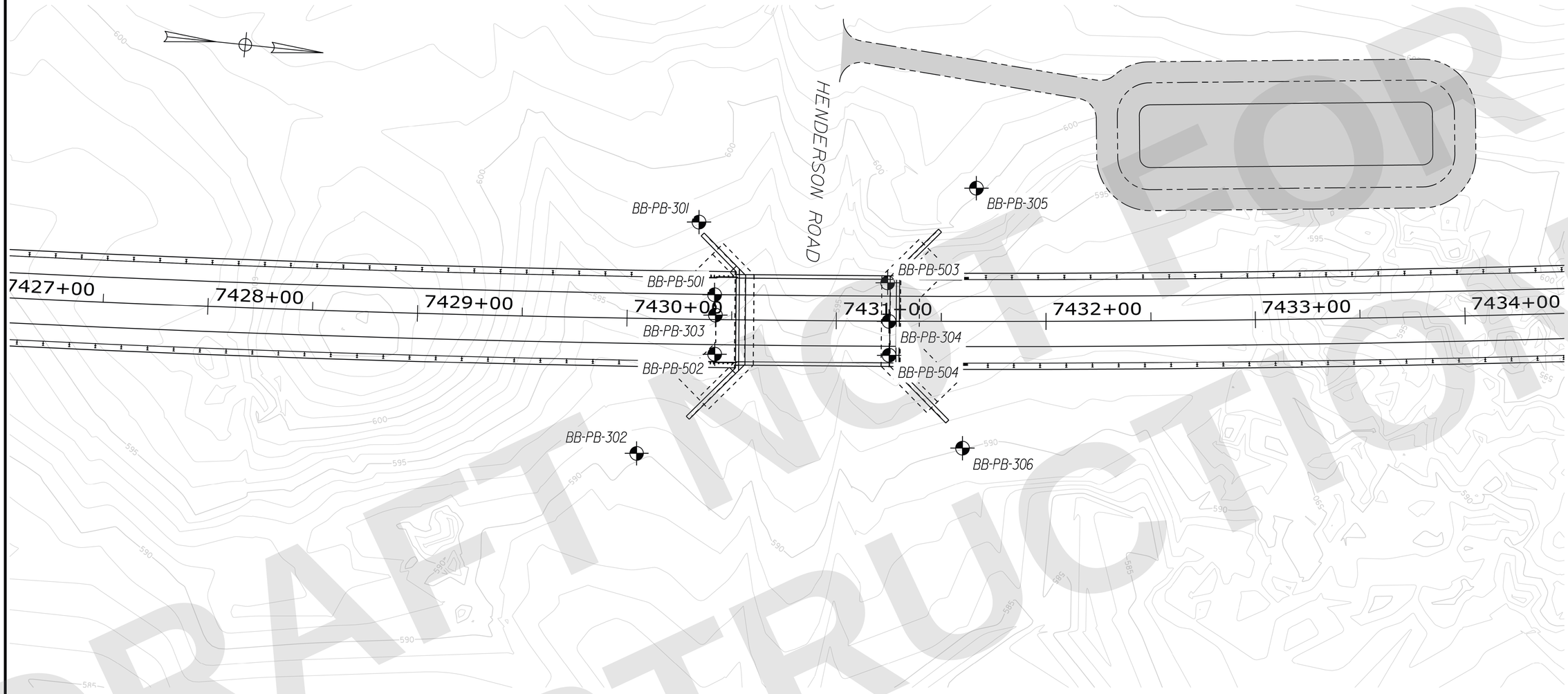
vhb

	R.M.	DATE
PROJ. MANAGER		
DESIGN-DETAILED	JAH	08/2025
CHECKED-REVIEWED	ELW	08/2025
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

HENDERSON ROAD BRIDGE
OVER HENDERSON ROAD
PRESQUE ISLE AROOSTOOK COUNTY

BRIDGE PROFILE

SHEET NUMBER
B-3
537
OF 747



DRAFT NOT FOR CONSTRUCTION

NOTES

1) Base map developed from electronic files (Contours.dgn, Alignments.dgn, and Highway.dgn) provided by VHB on July 14, 2025.

2) The as-drilled locations of the BB-PB-300 and BB-PB-500 series test borings were surveyed and provided by MaineDOT in an electronic file (Borings.dgn) on September 5, 2019.

BORING LOCATION PLAN LEGEND

BB-PB-306	Location and designation of BB-PB-300 series borings performed by New England Boring Contractors of Hermon, Maine between April 30 and August 20, 2015 and observed by GZA personnel.
BB-PB-504	Location and designation of BB-PB-500 series borings performed by New England Boring Contractors of Hermon, Maine between January 3 and January 16, 2017 and observed by GZA personnel.

PLAN

25 0 25 50

Scale in Feet

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 006462.92

BRIDGE NO. 6580

BRIDGE PLANS

	BY	DATE
PROJ. MANAGER R.M.		
DESIGN-DETAILED B.C.	E.T.	7/2025
CHECKED-REVIEWED A.B.	C.S.	7/2025
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

HENDERSON ROAD BRIDGE
OVER HENDERSON ROAD
PRESQUE ISLE, ME AROOSTOOK COUNTY

BORING LOCATION PLAN

PREPARED BY:

GZA

SHEET NUMBER

B-4

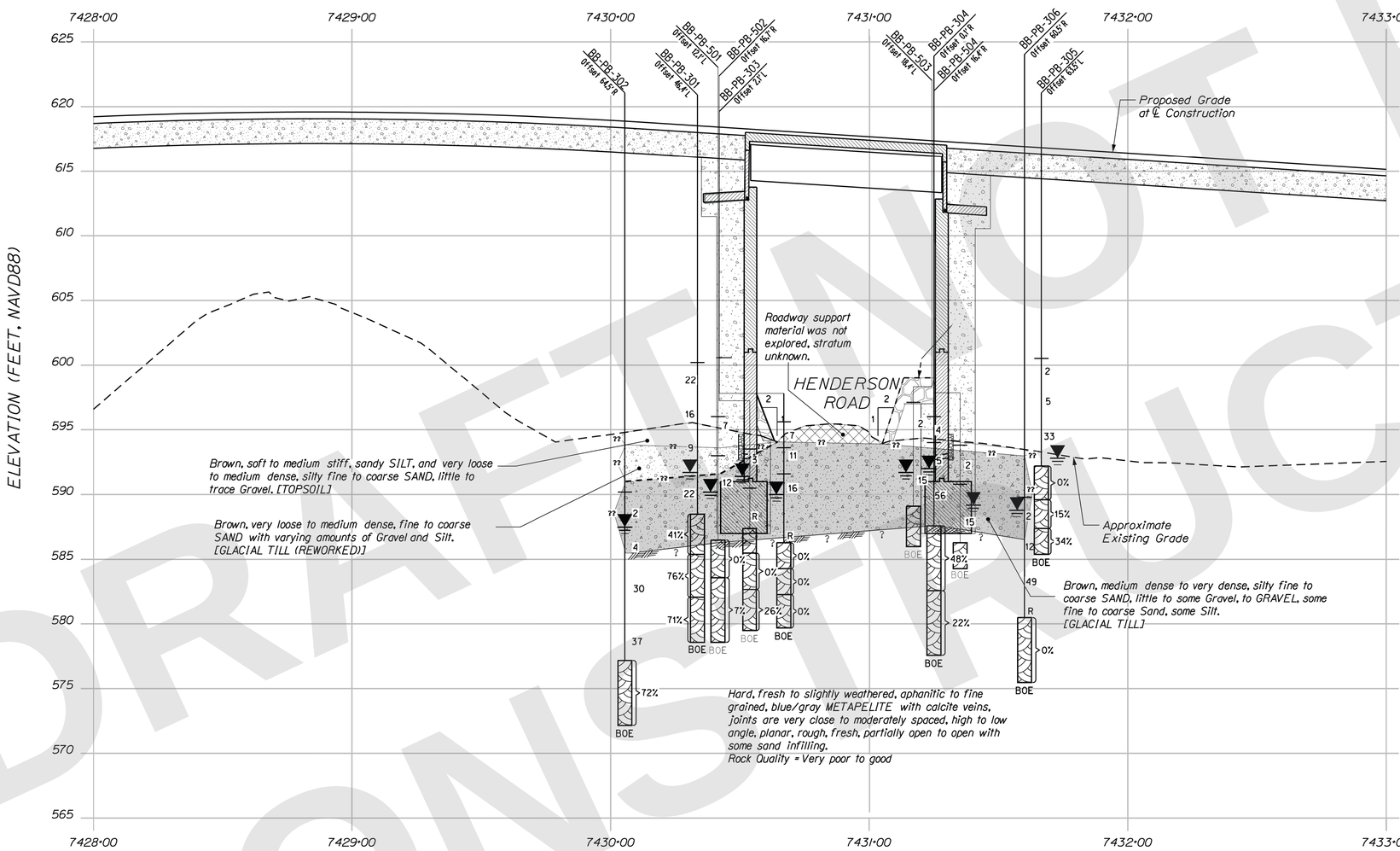
538

OF 747

Division: HIGHWAY
Filename: ...\Henderson_BLP.dgn

Date:7/29/2025
Username: BMC

Filename: ...\Z_Henderson_ISP 7.23.25.dgn Division: HIGHWAY Username: common Date:7/29/2025



INTERPRETIVE SUBSURFACE PROFILE

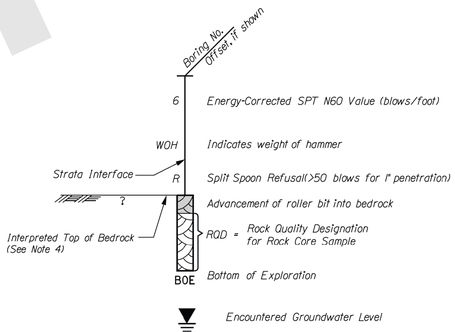
NOTES

1) Profile map developed from electronic files provided by VHB on July 14, 2025 (z_Henderson_Profile.dgn)

2) The as-drilled locations of the BB-PB-300 and BB-PB-500 series test borings were surveyed and provided by MaineDOT in an electronic file (Borings.dgn) on September 5, 2019.

3) Top of rock is defined using either split spoon refusal prior to identification of bedrock by roller bit or coring, top of rock surface was interpolated to represent anticipated conditions at the baseline.

4) This generalized interpretive soil and rock profile is intended to convey trends in subsurface conditions. The boundaries between strata are approximate and idealized, and have been developed by interpretations of widely spaced explorations and samples. Actual soil and rock transitions may vary and are probably more erratic. For more specific information refer to the exploration logs.



PROFILE

Horiz. 25 0 25 50

Vert. 5 0 5 10

Scale of Feet

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 006462.92

BRIDGE NO. 6580

BRIDGE PLANS

BY	DATE
E.T.	7/2025
C.S.	7/2025

PROJ. MANAGER	R.M.
DESIGN-DETAILED	B.C.
CHECKED-REVIEWED	A.B.
DESIGN2-DETAILED2	
DESIGN3-DETAILED3	
REVISIONS 1	
REVISIONS 2	
REVISIONS 3	
REVISIONS 4	
FIELD CHANGES	

HENDERSON ROAD BRIDGE
OVER HENDERSON ROAD
PRESQUE ISLE AROOSTOOK COUNTY

INTERPRETIVE SUBSURFACE PROFILE

SHEET NUMBER

B-5

539

OF 747

DRAFT NOT FOR CONSTRUCTION

Username: common

Division: HIGHWAY

Filename: ...\Boring Logs sheets.dgn

Date:7/29/2025

Maine Department of Transportation — Soil/Rock Exploration Log — US CUSTOMARY UNITS

Project: Presque Isle Bypass - Segment 1 09.0025832.03
Location: Presque Isle, Maine

Boring No.: BB-PB-302
WIN: 6462.92

Driller:	New England Boring	Elevation (ft.): 590.2	Auger ID/OD: ""
Operator:	Mike Porter	Datum: NAVD 88	Sampler: Split Spoon
Logged By:	Blaine Cordell	Rig Type: Mobile Track	Hammer Wt./Fall: 140/30
Date Start/Finish:	8/18/15-8/18/15	Drilling Method: Cased	Core Barrel: NQ
Boring Location:	N10:6908.4, E2275997.1	Casing ID/OD: 3"	Water Level *: 2.7'
Hammer Efficiency Factor:	0.6	Hammer Type: Automatic ☐ Hydraulic ☐ Rope & Cathead ☒	

Definitions:
D = Split Spoon Sample
WO = Unsuccessful Split Spoon Sample Attempt
U = Thin Wall Tube Sample
WU = Unsuccessful Thin Wall Tube Sample Attempt
V = Field Vane Shear Test, PP = Pocket Penetrometer
WV = Unsuccessful Field Vane Shear Test Attempt
R = Rock Core Sample
SSA = Solid Stem Auger
HSA = Hollow Stem Auger
RC = Roller Cone
WOH = Weight of Hammer
WOR/C = Weight of Rods or Casing
WOR = Weight of Rig Person
q_u = Peak/Remolded Field Vane Undrained Shear Strength (psf)
$S_{u(LAB)}$ = Lab Vane Undrained Shear Strength (psf)
q_p = Unconfined Compressive Strength (tsf)
Unconfined = Raw Data SPT N-value
Hammer Efficiency Factor = Rig Specific Annual Calibration Value
N_{60} = SPT Nuncorrected Corrected for Hammer Efficiency
Note = Hammer Efficiency Factor=60%=Uncorrected
T_v = Pocket Torvane Shear Strength (psf)
WC = Water Content, percent
LL = Liquid Limit
PL = Plastic Limit
PI = Plasticity Index
G = Grain Size Analysis
C = Consolidation Test

Depth (ft.)	Sample No.	Rec./Pen. (in.)	Sample Depth (ft.)	Blows/6 in. Strength or RQD (if applicable)	Nuncorrected	N60	Casing Blows	Elevation (ft.)	Graphic Log	Visual Description and Remarks	Laboratory Testing Results/ AASHTO and Unified Class.
0	10	24/4	0.0 - 2.0	1-1-1-1	2	2	PUSH	588.2		Dark brown, moist, soft, SILT, some fine to coarse Sand, some organics. -TOPSOIL- (SM)	
										Brown, wet, very loose, GRAVEL, some fine to coarse Sand, some Silt. -GLACIAL TILL- (GM)	C=209 A=14, GM w=16.8
5	20	24/12	2.0 - 4.0	2-1-3-8	4	4				No recovery.	
	30	24/0	5.0 - 7.0	13-13-17-15	30	30		577.4		Brown, wet, dense, GRAVEL, some Silt, little fine to coarse Sand. -GLACIAL TILL- (GM)	
10	40	24/7	10.0 - 12.0	13-11-26-17	37	37				Casing met refusal at 12.8' bgs; split spoon refusal at 12.8' bgs; possible bedrock.	
	R1	60/60	13.0 - 18.0	RQD = 72%			NQ	572.2		Roller cone to 13.0' bgs and set up to core. R1: Hard, fresh to slightly weathered, gray, METAFELITE with calcite veins and seams. Joints are close to moderately spaced, low angle, to moderately dipping, rough, undulating, fresh, partially open. Rock Quality = Fair Rock Core Times (min/ft): 2.25, 1.25, 1.25, 1.0, 1.0	
15										Bottom of Exploration at 18.0 feet below ground surface.	
20											
25											

Remarks:
1. Water level measured 30 minutes after completion of drilling.

Stratification lines represent approximate boundaries between soil types; transitions may be gradual.
* Water level readings have been made at times and under conditions stated. Groundwater fluctuations may occur due to conditions other than those present at the time measurements were made.

Page 1 of 1
Boring No.: BB-PB-302

Maine Department of Transportation — Soil/Rock Exploration Log — US CUSTOMARY UNITS

Project: Presque Isle Bypass - Segment 1 09.0025832.03
Location: Presque Isle, Maine

Boring No.: BB-PB-303
WIN: 6462.92

Driller:	New England Boring	Elevation (ft.): 595.6	Auger ID/OD: ""
Operator:	Mike Porter	Datum: NAVD 88	Sampler: Split Spoon
Logged By:	Blaine Cordell	Rig Type: Mobile Track	Hammer Wt./Fall: 140/30
Date Start/Finish:	8/18/15-8/18/15	Drilling Method: Cased	Core Barrel: NQ
Boring Location:	N10:6920.7, E2276040.4	Casing ID/OD: 3"	Water Level *: 5.6'
Hammer Efficiency Factor:	0.6	Hammer Type: Automatic ☐ Hydraulic ☐ Rope & Cathead ☒	

Definitions / Abbreviations: same as BB-PB-302

Depth (ft.)	Sample No.	Rec./Pen. (in.)	Sample Depth (ft.)	Blows/6 in. Strength or RQD (if applicable)	Nuncorrected	N60	Casing Blows	Elevation (ft.)	Graphic Log	Visual Description and Remarks	Laboratory Testing Results/ AASHTO and Unified Class.
0	10	24/11	0.0 - 2.0	1-2-3-6	7	7	PUSH	593.6		Brown, moist, medium stiff, sandy SILT, little Gravel, trace organics. -TOPSOIL- (ML)	
										Brown, moist, stiff, sandy SILT, some Gravel. -GLACIAL TILL (REWORKED)- (ML)	
5	20	24/12	2.0 - 4.0	4-5-6-21	11	11		590.6		Brown, wet, medium dense, fine to coarse SAND, some Gravel, some Silt. -GLACIAL TILL- (SM)	
	30	24/8	5.0 - 7.0	6-8-8-8	16	16				No recovery.	
10	40 R1	1/0 24/18	9.2 - 9.3 9.3 - 11.3	50/1" RQD = 0%	R		WD NQ	586.3		Split spoon refusal at 9.3' bgs; possible bedrock.	
	R2	24/30	11.3 - 13.3	RQD = 0%						Casing met refusal at 9.3' bgs. Drilled with roller cone to 9.3' bgs. Set up to core. R1: Hard, fresh to slightly weathered, aphanitic, gray, METAFELITE. Extremely fractured. Rock Quality = Very Poor Rock Core Times (min/ft): 2.0, 1.75 R2: Hard, fresh to slightly weathered, aphanitic, gray, METAFELITE. Recovery consisted of gravel. R3: Hard, fresh to slightly weathered, aphanitic, gray, METAFELITE. Recovery consisted of gravel. Rock Quality = Very Poor Rock Core Times (min/ft): 3.0, 2.0, 1.5/6"	
15	R3	31/22	13.3 - 15.9	RQD = 0%				579.7		Bottom of Exploration at 15.9 feet below ground surface.	
20											
25											

Remarks:
1. Water level measured 30 minutes after completion of drilling.

Stratification lines represent approximate boundaries between soil types; transitions may be gradual.
* Water level readings have been made at times and under conditions stated. Groundwater fluctuations may occur due to conditions other than those present at the time measurements were made.

Page 1 of 1
Boring No.: BB-PB-303

Maine Department of Transportation — Soil/Rock Exploration Log — US CUSTOMARY UNITS

Project: Presque Isle Bypass Segment 1 09.0025832.03
Location: Presque Isle, Maine

Boring No.: BB-PB-502
WIN: 6462.92

Driller:	New England Boring	Elevation (ft.): 593.5	Auger ID/OD: 4.25" OD
Operator:	Mike Porter	Datum: NAVD 88	Sampler: Split Spoon
Logged By:	Blaine Cordell	Rig Type: ATV	Hammer Wt./Fall: 140/30
Date Start/Finish:	01/9/17 - 01/12/17	Drilling Method: Cased/SSA	Core Barrel: NX
Boring Location:	N10:6922.5, E2276059.0	Casing ID/OD: 4"/3"	Water Level *: 2.7'
Hammer Efficiency Factor:	0.6	Hammer Type: Automatic ☐ Hydraulic ☐ Rope & Cathead ☒	

Definitions / Abbreviations: same as BB-PB-302

Depth (ft.)	Sample No.	Rec./Pen. (in.)	Sample Depth (ft.)	Blows/6 in. Strength or RQD (if applicable)	Nuncorrected	N60	Casing Blows	Elevation (ft.)	Graphic Log	Visual Description and Remarks	Laboratory Testing Results/ AASHTO and Unified Class.
0	10	24/12	1.0 - 3.0	1-1-2-2	3	3	SSA	590.5		Brown, moist, soft, sandy SILT, little Gravel. -REWORKED GLACIAL TILL- (ML)	
										Brown, wet, medium dense, sandy GRAVEL, little Silt. -GLACIAL TILL- (GM)	
5	20	13/7	5.0 - 6.1	5-9-50/1"	R		R/C	587.4		Split spoon refusal at 6.1' bgs; casing met refusal at 6.7 bgs; roller cone and 3" casing advanced to 8.0' bgs through possible Fractured Rock and set up to core.	
	R1	34/34	6.0 - 10.8	RQD = 0%			NX			R1: Hard, fresh to slightly weathered, aphanitic, grey, METAFELITE with Calcite stringers. Primary joints are close, low angle to moderately dipping, rough, planar, discolored, open. Secondary joints are close, high angle, rough, planar, discolored to fresh, open. Rock Quality = Very Poor Rock Core Times (min/ft): 8.0-9.0 (3-15), 9.0-10.0 (2-30), 10.0-10.8 (2:45)	
10	R2	38/38	10.8 - 14.0	RQD = 26%				582.7		R2: Hard, fresh to slightly weathered, aphanitic, grey, METAFELITE with Calcite stringers. Primary joints are close, low angle to moderately dipping, rough, planar, discolored, open. Secondary joints are close, high angle, rough, planar, discolored to fresh, open. Rock Quality = Poor Rock Core Times (min/sec): 10.8-11.0 (1:00), 11.0-12.0 (2:30), 12.0-13.0 (2:30), 13.0-14.0 (3:00)	
15								579.5		Bottom of Exploration at 14.0 feet below ground surface.	
20											
25											

Remarks:
1. 4" casing to 6.7' bgs, then 3" casing to 8.0' bgs
2. Roller cone advancement from 6.7'-8.0' bgs to less than approximately 1 min./ft. Increased resistance at 8.0' bgs (750 psi of downward pressure).

Stratification lines represent approximate boundaries between soil types; transitions may be gradual.
* Water level readings have been made at times and under conditions stated. Groundwater fluctuations may occur due to conditions other than those present at the time measurements were made.

Page 1 of 1
Boring No.: BB-PB-502

Maine Department of Transportation — Soil/Rock Exploration Log — US CUSTOMARY UNITS

Project: Presque Isle Bypass Segment 1 09.0025832.03
Location: Presque Isle, Maine

Boring No.: BB-PB-504
WIN: 6462.92

Driller:	New England Boring	Elevation (ft.): 593.8	Auger ID/OD: 4.25" OD
Operator:	Mike Porter	Datum: NAVD 88	Sampler: Split Spoon
Logged By:	Blaine Cordell	Rig Type: ATV	Hammer Wt./Fall: 140/30
Date Start/Finish:	01/16/17 - 01/16/17	Drilling Method: Cased/SSA	Core Barrel: --
Boring Location:	N10:7005.1, E2276051.0	Casing ID/OD: 4"	Water Level *: 4.8'
Hammer Efficiency Factor:	0.6	Hammer Type: Automatic ☐ Hydraulic ☐ Rope & Cathead ☒	

Definitions / Abbreviations: same as BB-PB-302

Depth (ft.)	Sample No.	Rec./Pen. (in.)	Sample Depth (ft.)	Blows/6 in. Strength or RQD (if applicable)	Nuncorrected	N60	Casing Blows	Elevation (ft.)	Graphic Log	Visual Description and Remarks	Laboratory Testing Results/ AASHTO and Unified Class.
0	10	24/3	1.0 - 3.0	1-1-2-1	3	3	SSA	590.8		Dark brown, moist, soft, SILT, little fine to medium Sand, with organics. -TOPSOIL- (ML)	
										Brown, wet, medium dense, GRAVEL, some fine to coarse Sand, little Silt. -GLACIAL TILL- (GM)	
5	20	24/10	5.0 - 7.0	3-10-12-12	22	22				Casing met refusal at 7.5' bgs. Roller cone advanced from 7.5'-9.5' bgs. Roller cone times (min:sec): 7.5-8.5 (2: 00) Moderate resistance during roller cone o.a.vancement indicates possible weak/fractured bedrock.	
							R/C	585.3		8.5-9.0 (1:30) Increased resistance during roller cone o.a.vancement indicates possible weak/fractured bedrock.	
10								584.3		Bottom of Exploration at 9.5 feet below ground surface.	
15											
20											
25											

Remarks:
1. 4" casing to 7.5' bgs.
2. Water level measured 15 minutes after completion of drilling.
3. Roller cone advancement at 750 psi downward pressure.

Stratification lines represent approximate boundaries between soil types; transitions may be gradual.
* Water level readings have been made at times and under conditions stated. Groundwater fluctuations may occur due to conditions other than those present at the time measurements were made.

Page 1 of 1
Boring No.: BB-PB-504

Maine Department of Transportation — Soil/Rock Exploration Log — US CUSTOMARY UNITS

Project: Presque Isle Bypass - Segment 1 09.0025832.03
Location: Presque Isle, Maine

Boring No.: BB-PB-301
WIN: 6462.92

Driller:	New England Boring	Elevation (ft.): 600.5	Auger ID/OD: N/A
Operator:	Mike Porter	Datum: NAVD 88	Sampler: Split Spoon
Logged By:	Blaine Cordell	Rig Type: Mobile Track	Hammer Wt./Fall: 140/30
Date Start/Finish:	8/18/15-8/18/15	Drilling Method: Cased	Core Barrel: NQ
Boring Location:	N10:6908.4, E2275997.1	Casing ID/OD: 3"	Water Level *: 8.5'
Hammer Efficiency Factor:	0.6	Hammer Type: Automatic ☐ Hydraulic ☐ Rope & Cathead ☐	

Definitions / Abbreviations: same as BB-PB-302

Depth (ft.)	Sample No.	Rec./Pen. (in.)	Sample Depth (ft.)	Blows/6 in. Strength or RQD (if applicable)	Nuncorrected	N60	Casing Blows	Elevation (ft.)	Graphic Log	Visual Description and Remarks	Laboratory Testing Results/ AASHTO and Unified Class.
0	10	24/1	0.0 - 2.0	3-8-14-9	22	22	PUSH	598.5		Brown, moist, medium dense, silty fine to coarse SAND, little Gravel, trace organics. -TOPSOIL- (SM)	
	20	24/10	2.0 - 4.0	8-8-8-8	16	16				Brown, moist, medium dense, silty fine to coarse SAND, some Gravel. -GLACIAL TILL (REWORKED)- (SM)	
5	30	24/13	5.0 - 7.0	2-2-7-11	9	9		593.5		Brown, wet, loose, GRAVEL, some fine to coarse Sand, some Silt. -GLACIAL TILL (REWORKED)- (GM)	C=208 A=2-4, GM w=18.3
										Brown, wet, medium dense, GRAVEL, some Silt, some fine to coarse Sand. -GLACIAL TILL- (GM)	
10	40	21/9	10.0 - 11.8	14-15-14-50/3"	29	29	92	588.8		Split spoon refusal at 11.7' bgs; possible bedrock.	
	R1	37/37	12.0 - 15.1	RQD = 45%			NQ			Casing met refusal at 11.9' bgs. Drilled with roller cone to 12.0' bgs and set up to core. R1: Hard, fresh to slightly weathered, aphanitic, gray, METAFELITE with calcite veins. Primary joints are close, low angle, rough, planar, partially open to open. Secondary joints are close, high angle, planar, rough, fresh, partially open. Rock Quality = Poor Rock Core Times (min/ft): 2.0, 1.5, 1.5 R2: Hard, fresh, aphanitic, gray, METAFELITE with calcite veins and seams. Joints are close to moderately spaced, low angle, planar, rough, fresh, partially open. One high angle joint. Rock Quality = Good Rock Core Times (min/ft): 1.75, 1.5, 1.5 R3: Hard, fresh, aphanitic, gray, METAFELITE with calcite veins and seams. Joints are close, low angle to moderately dipping, planar, rough, fresh, partially open. Rock Quality = Fair Rock Core Times (min/ft): 1.25, 1.0, 1.0, 1.0/6"	
15	R2	40/40	15.1 - 18.4	RQD = 76%							
	R3	42/41	18.5 - 22.0	RQD = 71%				578.5		Bottom of Exploration at 22.0 feet below ground surface.	
20											
25											

Remarks:
1. Water level measured 30 minutes after completion of drilling.

Stratification lines represent approximate boundaries between soil types; transitions may be gradual.
* Water level readings have been made at times and under conditions stated. Groundwater fluctuations may occur due to conditions other than those present at the time measurements were made.

Page 1 of 1
Boring No.: BB-PB-301

Maine Department of Transportation — Soil/Rock Exploration Log — US CUSTOMARY UNITS

Project: Presque Isle Bypass Segment 1 09.0025832.03
Location: Presque Isle, Maine

Boring No.: BB-PB-501
WIN: 6462.92

Driller:	New England Boring	Elevation (ft.): 598.0 (est.)	Auger ID/OD: 4.25" OD
Operator:	Mike Porter	Datum: NAVD 88	Sampler: Split Spoon
Logged By:	Blaine Cordell	Rig Type: ATV	Hammer Wt./Fall: 140/30
Date Start/Finish:	01/03/17 - 01/03/17	Drilling Method: Cased/SSA	Core Barrel: NX
Boring Location:	N10:6939.3, E2276030.7	Casing ID/OD: 3"	Water Level *: 5.8'
Hammer Efficiency Factor:	0.6	Hammer Type: Automatic ☐ Hydraulic ☐ Rope & Cathead ☒	

Definitions / Abbreviations: same as BB-PB-302

Depth (ft.)	Sample No.	Rec./Pen. (in.)	Sample Depth (ft.)	Blows/6 in. Strength or RQD (if applicable)	Nuncorrected	N60	Casing Blows	Elevation (ft.)	Graphic Log	Visual Description and Remarks	Laboratory Testing Results/ AASHTO and Unified Class.
0	10	24/11	1.0 - 3.0	1-2-5-5	7	7	SSA	593.0		Brown, moist, medium stiff, SILT, some fine to medium Sand, little Gravel. -REWORKED GLACIAL TILL- (ML)	
										Brown/grey, wet, medium dense, sandy GRAVEL, little Silt. -GLACIAL TILL- (GM)	
5	20	24/12	5.0 - 7.0	4-6-6-11	12	12					
	R1	35/14	9.5 - 12.4	RQD = 0%			WR	586.7		Casing refusal at 9.3' bgs. Roller cone to 9.5' bgs and set up to core. R1: Hard, fresh to slightly weathered, aphanitic, grey, METAFELITE. Extremely fractured, resulting in angular gravel Rock Quality = Very Poor Rock Core Times (min/sec): 9.5-10.5 (2:30), 10.5-11.5 (3:30), 11.5-12.4 (4:15) R2: Hard, fresh to slightly weathered, aphanitic, grey, METAFELITE. Joints are very close to extremely close, low angle, rough, planar, partially open, fresh to discolored. One high angle joint. Rock Quality = Very Poor Rock Core Times (min/sec): 12.4-13.4 (2:30), 13.4-14.4 (3:00), 14.4-15.4 (2:00), 15.4-16.4 (11:30), 16.4-17.4 (11:30)	
10	R2	60/60	12.4 - 17.4	RQD = 7%				583.6			
15								578.6		Bottom of Exploration at 17.4 feet below ground surface.	
20											
25											

Remarks:
1. 3" casing to 9.3' bgs
2. Water level measured 30 minutes after completion of drilling.

Stratification lines represent approximate boundaries between soil types; transitions may be gradual.
* Water level readings have been made at times and under conditions stated. Groundwater fluctuations may occur due to conditions other than those present at the time measurements were made.

Page 1 of 1
Boring No.: BB-PB-501

Maine Department of Transportation — Soil/Rock Exploration Log — US CUSTOMARY UNITS

Project: Presque Isle Bypass Segment 1 09.0025832.03
Location: Presque Isle, Maine

Boring No.: BB-PB-503
WIN: 6462.92

Driller:	New England Boring	Elevation (ft.): 597.1	Auger ID/OD: 4.25" OD
Operator:	Mike Porter	Datum: NAVD 88	Sampler: Split Spoon
Logged By:	Blaine Cordell	Rig Type: ATV	Hammer Wt./Fall: 140/30
Date Start/Finish:	01/16/17 - 01/16/17	Drilling Method: Cased/SSA	Core Barrel: NX
Boring Location:	N10:7000.9, E2276026.6	Casing ID/OD: 4"	Water Level *: 2.7'
Hammer Efficiency Factor:	0.6	Hammer Type: Automatic ☐ Hydraulic ☐ Rope & Cathead ☒	

Definitions / Abbreviations: same as BB-PB-302

Depth (ft.)	Sample No.	Rec./Pen. (in.)	Sample Depth (ft.)	Blows/6 in. Strength or RQD (if applicable)	Nuncorrected	N60	Casing Blows	Elevation (ft.)	Graphic Log	Visual Description and Remarks	Laboratory Testing Results/ AASHTO and Unified Class.
0	10	24/8	1.0 - 3.0	2-1-1-2	2	2	SSA	589.1		Brown, moist, soft, sandy SILT, little Gravel. -GLACIAL TILL- (ML)	
										Brown, wet, medium dense, sandy GRAVEL, some fine to coarse Sand. -GLACIAL TILL- (GM)	
5	20	24/9	5.0 - 7.0	4-7-8-5	15	15					
							R/C	586.2		Casing met refusal at 8.0' bgs. Roller cone advanced from 8.0'-11.1' bgs. Roller cone times (min:sec): 8.0-9.4 (Less than 1:00), 9.4-10.9 (1:30) Moderate resistance during roller cone advancement indicates possible weak/fractured bedrock.	
10								586.0		10.9-11.1 (2:00) Increased resistance during roller cone advancement indicates possible increased bedrock strength/quality.	
15										Bottom of Exploration at 11.1 feet below ground surface.	
20											
25											

Remarks:
1. Water level measured 30 minutes after completion of drilling.
2. Roller cone advancement based on 750 psi of downward pressure.
3. 4" casing to 8.0' bgs.

Stratification lines represent approximate boundaries between soil types; transitions may be gradual.
* Water level readings have been made at times and under conditions stated. Groundwater fluctuations may occur due to conditions other than those present at the time measurements were made.

Page 1 of 1
Boring No.: BB-PB-503

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 006462.92
BRIDGE NO. 6580

BRIDGE PLANS

	R.M.	BY	DATE
PROJ. MANAGER			
DESIGN-DETAILED	B.C.	E.T.	7/2025
CHECKED-REVIEWED	A.B.	C.S.	7/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

HENDERSON ROAD BRIDGE
OVER HENDERSON ROAD
AROOSTOOK COUNTY
PRESQUE ISLE, ME

BORING LOGS 1

PREPARED BY:

SHEET NUMBER
B-6
540
OF 747

Maine Department of Transportation

Soil/Rock Exploration Log

US CUSTOMARY UNITS

Project: Presque Isle Bypass - Segment 1
09.0025832.03
Location: Presque Isle, Maine

Boring No.: BB-PB-304
WIN: 6462.92

Driller:	New England Boring	Elevation (ft.):	596.0	Auger ID/OD:	2.25" ID
Operator:	Mike Porter	Datum:	NAVD 88	Sampler:	Split Spoon
Logged By:	Nicholas Wilkins	Rig Type:	ATV	Hammer Wt./Fall:	140/30
Date Start/Finish:	4/30/15-4/30/15	Drilling Method:	Drive & Wash	Core Barrel:	NQ
Boring Location:	N1017053.4, E2276034.9	Casing ID/OD:	3" ID	Water Level *:	

Hammer Efficiency Factor: 0.6 — Hammer Type: Automatic ☐ Hydraulic ☐ Rope & Cathead ☒

Definitions:
D = Split Spoon Sample
HO = Unsuccessful Split Spoon Sample Attempt
U = Thin Wall Tube Sample
HU = Unsuccessful Thin Wall Tube Sample Attempt
V = Field Vane Shear Test, PP = Pocket Penetrometer
HV = Unsuccessful Field Vane Shear Test Attempt
R = Rock Core Sample
SSA = Solid Stem Auger
HSA = Hollow Stem Auger
RC = Roller Cone
WOR = Weight of Hammer or Rod
WOH/C = Weight of Rods or Casing
WOH = Weight of Hammer
q_u = Peak/Remolded Field Vane Undrained Shear Strength (psf)
S_{ur} (psf) = Lab Vane Undrained Shear Strength (psf)
q_p = Unconfined Compressive Strength (tsf)
N = Uncorrected Blows per 12" (or as noted)
N_{60} = SPT Hammer Efficiency Corrected for Hammer Efficiency
Nch = Hammer Efficiency Factor=60%=Uncorrected
T_v = Pocket Torvane Shear Strength (psf)
WC = Water Content, percent
LL = Liquid Limit
PL = Plastic Limit
PI = Plasticity Index
G = Grain Size Analysis
C = Consolidation Test

Depth (ft.)	Sample No.	Rec./Pen. (in.)	Sample Depth (ft.)	Blows (/6 in.) or Uncorrected Strength (tsf) or RQD (/)	N-Uncorrected	N60	Casing Blows	Elevation (ft.)	Visual Description and Remarks	Laboratory Testing Results/ AASHTO and Unified Class.
0	S1	24/13	0.0 - 2.0	3-2-2-4	4	4	2	595.8	Top 4"- FOREST MAT- (0.4) Brown, moist, soft, sandy, organic SILT, trace root fibers and leaves. -SUBSOIL- (OL)	
							3			
	S2	24/3	2.0 - 4.0	2-2-3-9	5	5	2	594.0	Brown, moist, loose, silty fine to medium SAND, little Gravel. (2.0) -GLACIAL TILL- (SM)	
							3			
5							17			
	S3	30	5.0 - 7.0	66-35-21-41	56	56	14		Brown, wet, very dense, sandy GRAVEL, trace Silt. (7.0) -GLACIAL TILL- (GW)	
							34			
							37			
	R1	60/60	8.4 - 13.4	RQD = 48%			25	587.6	Casing driven to 8.4' bgs, advanced roller cone to 8.4' bgs, began coring. (8.4) Hard, slightly weathered, fine grained, blue, METAPELITE with calcite stringers. Joints are very close to moderately spaced, high angle, planar, rough, partially open to open. Rock Quality = Poor Rock Core Times (min/ft): 1.5, 2.0, 2.5, 1.0, 1.5	
10							NQ			
	R2	60/57	13.4 - 18.4	RQD = 22%					Hard, slightly weathered, fine grained, blue, METAPELITE with calcite stringers. Joints are very close to close, high angle to low angle, planar, rough, discolored, open, with sand infilling. (18.4) Rock Quality = Very Poor Rock Core Times (min/ft): 2.0, 1.5, 1.0, 2.0, 2.0	
15								577.6		
									Bottom of Exploration at 18.4 feet below ground surface.	
20										
25										

Remarks:

Stratification lines represent approximate boundaries between soil types; transitions may be gradual.
* Water level readings have been made at times and under conditions stated. Groundwater fluctuations may occur due to conditions other than those present at the time measurements were made.

Page 1 of 1
Boring No.: BB-PB-304

Maine Department of Transportation

Soil/Rock Exploration Log

US CUSTOMARY UNITS

Project: Presque Isle Bypass - Segment 1
09.0025832.03
Location: Presque Isle, Maine

Boring No.: BB-PB-305
WIN: 6462.92

Driller:	New England Boring	Elevation (ft.):	600.5	Auger ID/OD:	"
Operator:	Mike Porter	Datum:	NAVD 88	Sampler:	Split Spoon
Logged By:	Blaine Cordell	Rig Type:	Mobile Track	Hammer Wt./Fall:	140/30
Date Start/Finish:	8/19/15-8/20/15	Drilling Method:	Cored	Core Barrel:	NQ
Boring Location:	N1017038.3, E2275967.5	Casing ID/OD:	3"	Water Level *:	7.7'

Hammer Efficiency Factor: 0.6 — Hammer Type: Automatic ☐ Hydraulic ☐ Rope & Cathead ☒

Definitions:
D = Split Spoon Sample
HO = Unsuccessful Split Spoon Sample Attempt
U = Thin Wall Tube Sample
HU = Unsuccessful Thin Wall Tube Sample Attempt
V = Field Vane Shear Test, PP = Pocket Penetrometer
HV = Unsuccessful Field Vane Shear Test Attempt
R = Rock Core Sample
SSA = Solid Stem Auger
HSA = Hollow Stem Auger
RC = Roller Cone
WOR = Weight of Hammer or Rod
WOH/C = Weight of Rods or Casing
WOH = Weight of Hammer
q_u = Peak/Remolded Field Vane Undrained Shear Strength (psf)
S_{ur} (psf) = Lab Vane Undrained Shear Strength (psf)
q_p = Unconfined Compressive Strength (tsf)
N = Uncorrected Blows per 12" (or as noted)
N_{60} = SPT Hammer Efficiency Corrected for Hammer Efficiency
Nch = Hammer Efficiency Factor=60%=Uncorrected
T_v = Pocket Torvane Shear Strength (psf)
WC = Water Content, percent
LL = Liquid Limit
PL = Plastic Limit
PI = Plasticity Index
G = Grain Size Analysis
C = Consolidation Test

Depth (ft.)	Sample No.	Rec./Pen. (in.)	Sample Depth (ft.)	Blows (/6 in.) or Uncorrected Strength (tsf) or RQD (/)	N-Uncorrected	N60	Casing Blows	Elevation (ft.)	Visual Description and Remarks	Laboratory Testing Results/ AASHTO and Unified Class.
0	S1	24/5	0.0 - 2.0	1-1-1-4	2	2	PUSH		Brown, moist, very loose, fine to coarse SAND, some Silt, trace Gravel. (2.0) -GLACIAL TILL (REWORKED)- (SM)	
	S2	24/10	2.0 - 4.0	3-2-3-2	5	5			Brown, moist, loose, silty fine to coarse SAND, some Gravel. (4.0) -GLACIAL TILL (REWORKED)- (SM)	D=232 A-4, SM wc=29.4
5								596.5		
	S3	30	5.0 - 7.0	16-15-18-30	33	33	28		Brown/gray, moist, dense, sandy GRAVEL, some Silt. (7.0) -GLACIAL TILL- (GM)	
							33			
							73			
	R1	31/12	8.3 - 10.9	RQD = 0%			PUSH NQ	592.2	Casing met refusal at 8.3' bgs; possible bedrock. Roller cone to 8.3' bgs and set up to core. (8.3) R1: Hard, fresh, aphanitic, gray, METAPELITE with calcite seams and veins. Extremely fractured. Rock Quality = Very Poor Rock Core Times (min/ft): 1.5, 1.0, 1.0/6"	
10	R2	26/21	10.9 - 13.1	RQD = 15%					R2: Hard, fresh, aphanitic, gray, METAPELITE with calcite seams and veins. Extremely fractured. Rock Quality = Very Poor Rock Core Times (min/ft): 1.5, 1.5, 1.0/2"	
	R3	24/35	13.1 - 15.1	RQD = 34%					R3: Hard, fresh, aphanitic, gray, METAPELITE with calcite stringers and veins. Joints are very close to close, low angle to moderately dipping, planar, rough, fresh, partially open. Rock Quality = Poor Rock Core Times (min/ft): 2.0, 2.0	
15								585.4	Bottom of Exploration at 15.1 feet below ground surface. (15.1)	
20										
25										

Remarks:

1. Water level measured 15 minutes after completion of drilling.

Stratification lines represent approximate boundaries between soil types; transitions may be gradual.
* Water level readings have been made at times and under conditions stated. Groundwater fluctuations may occur due to conditions other than those present at the time measurements were made.

Page 1 of 1
Boring No.: BB-PB-305

Maine Department of Transportation

Soil/Rock Exploration Log

US CUSTOMARY UNITS

Project: Presque Isle Bypass - Segment 1
09.0025832.03
Location: Presque Isle, Maine

Boring No.: BB-PB-306
WIN: 6462.92

Driller:	New England Boring	Elevation (ft.):	589.8	Auger ID/OD:	"
Operator:	Mike Porter	Datum:	NAVD 88	Sampler:	Split Spoon
Logged By:	Blaine Cordell	Rig Type:	Mobile Track	Hammer Wt./Fall:	140/30
Date Start/Finish:	8/19/15-8/19/15	Drilling Method:	Cased	Core Barrel:	NQ
Boring Location:	N1017044.4, E2276091.5	Casing ID/OD:	3"	Water Level *:	1.0'

Hammer Efficiency Factor: 0.6 — Hammer Type: Automatic ☐ Hydraulic ☐ Rope & Cathead ☒

Definitions:
D = Split Spoon Sample
HO = Unsuccessful Split Spoon Sample Attempt
U = Thin Wall Tube Sample
HU = Unsuccessful Thin Wall Tube Sample Attempt
V = Field Vane Shear Test, PP = Pocket Penetrometer
HV = Unsuccessful Field Vane Shear Test Attempt
R = Rock Core Sample
SSA = Solid Stem Auger
HSA = Hollow Stem Auger
RC = Roller Cone
WOR = Weight of Hammer or Rod
WOH/C = Weight of Rods or Casing
WOH = Weight of Hammer
q_u = Peak/Remolded Field Vane Undrained Shear Strength (psf)
S_{ur} (psf) = Lab Vane Undrained Shear Strength (psf)
q_p = Unconfined Compressive Strength (tsf)
N = Uncorrected + Raw Field SPT N-value
N_{60} = SPT Hammer Efficiency Corrected for Hammer Efficiency
Nch = Hammer Efficiency Factor=60%=Uncorrected
T_v = Pocket Torvane Shear Strength (psf)
WC = Water Content, percent
LL = Liquid Limit
PL = Plastic Limit
PI = Plasticity Index
G = Grain Size Analysis
C = Consolidation Test

Depth (ft.)	Sample No.	Rec./Pen. (in.)	Sample Depth (ft.)	Blows (/6 in.) or Uncorrected Strength (tsf) or RQD (/)	N-Uncorrected	N60	Casing Blows	Elevation (ft.)	Visual Description and Remarks	Laboratory Testing Results/ AASHTO and Unified Class.
0	S1	24/6	0.0 - 2.0	1-1-1-1	2	2	PUSH	589.6	Top 2"- FOREST MAT- (0.2) Bottom 4": Brown, moist, very loose, silty fine to coarse SAND, trace Gravel. -GLACIAL TILL- (SM)	
	S2	24/7	2.0 - 4.0	2-5-7-11	12	12			Brown, wet, medium dense, silty GRAVEL, some fine to coarse Sand. -GLACIAL TILL- (GM)	
5							18			
	S3	30	5.0 - 7.0	17-21-28-24	49	49	59		Brown, wet, dense, GRAVEL, some fine to coarse Sand, some Silt. -GLACIAL TILL- (GM)	D=211 A-1-a, GM wc=7.0
							35			
							36			
							43		Casing met refusal at 9.2' bgs; split spoon refusal at 9.3' bgs; possible bedrock. No recovery. (9.3)	
10	AD B1	1/0 60/30	9.2 - 9.3 9.3 - 14.3	50/1" RQD = 0%	R		PUSH NQ	580.5	Roller cone to 9.3' bgs, set up to core. R1: Hard, slightly weathered, aphanitic, gray, METAPELITE. Extremely fractured. Rock Quality = Very Poor Rock Core Times (min/ft): 3.0, 2.5, 1.5, 3.0, 2.5	
15								575.5	Bottom of Exploration at 14.3 feet below ground surface. (14.3)	
20										
25										

Remarks:

1. Water level measured 30 minutes after completion of drilling.

Stratification lines represent approximate boundaries between soil types; transitions may be gradual.
* Water level readings have been made at times and under conditions stated. Groundwater fluctuations may occur due to conditions other than those present at the time measurements were made.

Page 1 of 1
Boring No.: BB-PB-306

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 006462.92
BRIDGE NO. 6580

BRIDGE PLANS

PROJ. MANAGER	M.WIGHT		
DESIGN-DETAILED	B.C.	E.T.	7/2025
CHECKED-REVIEWED	A.B.	C.S.	7/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

HENDERSON ROAD BRIDGE
OVER HENDERSON ROAD
PRESQUE ISLE, ME — AROOSTOOK COUNTY

BORING LOGS 2

PREPARED BY: GZA

SHEET NUMBER
B-7
541
OF 747

PRELIMINARY NOT FOR CONSTRUCTION

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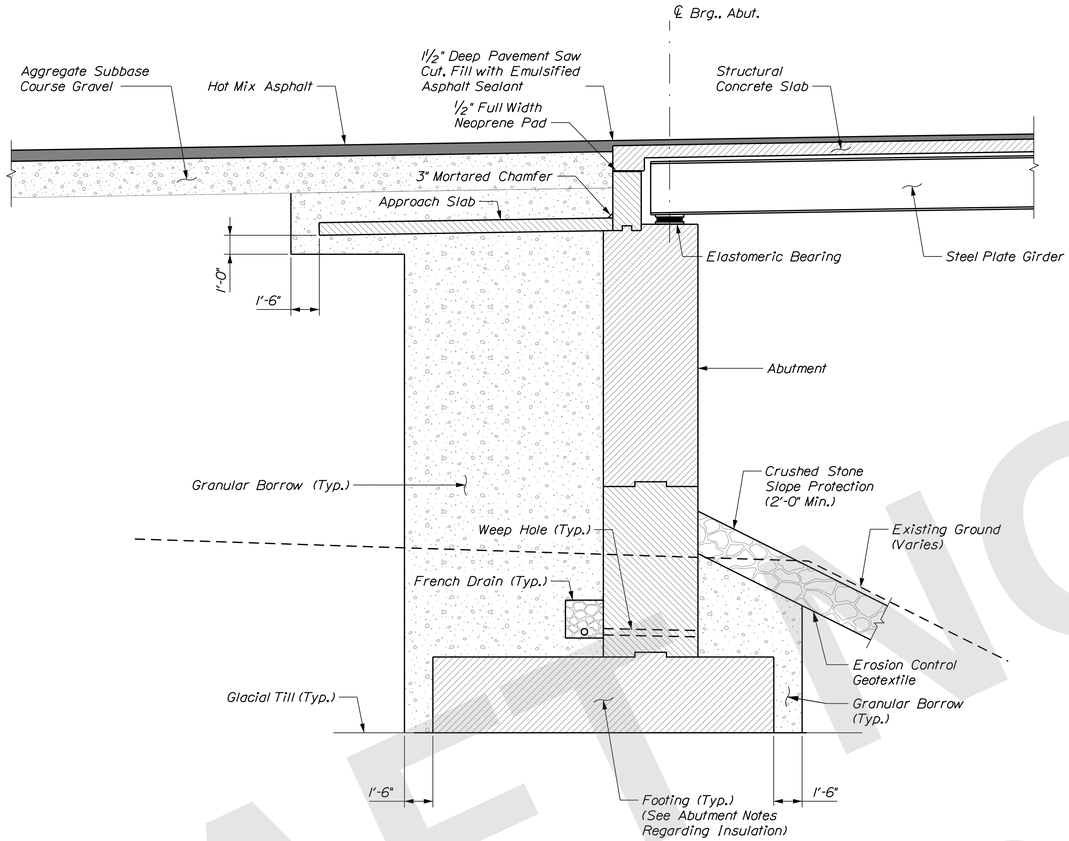
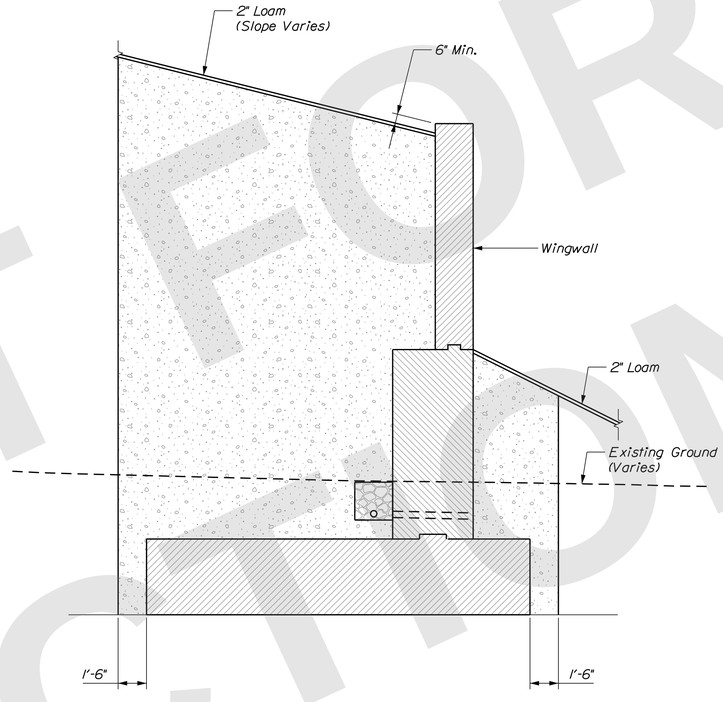
Division: HIGHWAY
Username: common
Date:7/29/2025



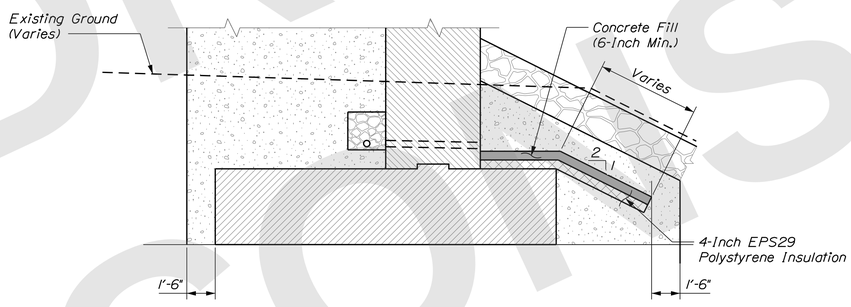
ABUTMENT SECTION

(Abutment No. 1 Shown, Abutment No. 2 Similar)
(Footing on Glacial Till Shown)



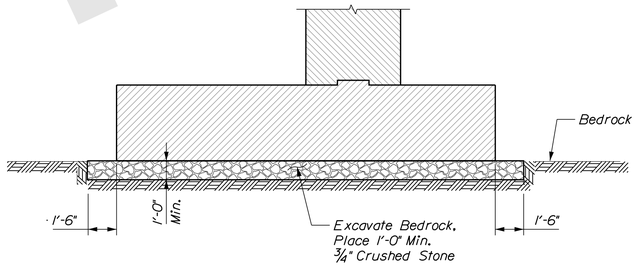
WINGWALL SECTION

(Footing on Glacial Till Shown)



FOOTING INSULATION DETAIL

(Footing on Glacial Till Shown, Footing on Bedrock Similar)



FOUNDATION ON BEDROCK

Not to Scale
(See Abutment and Wingwall Sections for Backfill Details)

ABUTMENT NOTES

1. The maximum factored applied footing pressure at both Abutments is 11 ksf at Strength I Limit State and 7 ksf at Service Limit State.

2. Structural Earth Excavation, required more than 12 inches below the bottom of the structure, will be paid for in accordance with Standard Specifications Section 206, Structural Excavation.

3. Abutments, wingwalls and their footings shall be backfilled with Granular Borrow. Pay limits are as shown in the typical sections.

4. Reinforcing steel shall have a minimum concrete cover of 2 inches in the walls and 3 inches in the footings unless otherwise noted.

5. Place drains with a 4 inch diameter in the breastwall and wingwalls at 10 feet maximum spacing. The exact location will be determined by the Resident.

6. Cover joints where waterstops are not required in accordance with Standard Details Section 502.

7. Spread footings bearing on soil shall be supported on natural deposited soil and proof compacted or on ¾ inch crushed stone (Item No. 203.35 Crushed Stone ¾ inch). Natural soil subgrade surfaces shall be confirmed by the Resident.

8. Bedrock which protrudes above the bottom of footing elevation shown on the plans shall be removed to at least 1 foot below footing subgrade and replaced with ¾ inch crushed stone. Payment for bedrock removal shall be made under Item No. 206.092, Structural Rock Excavation - Major Structures.

9. See Footing Plan Sheets for Limits of Foundation Insulation.

10. Transverse saw cuts in the pavement shall be sealed with emulsified asphalt sealing compound conforming to Specification 702.12. The saw cut and emulsified sealing shall not be paid for directly, but considered incidental to related Contract Items.

11. Payment for mortared chamfer at approach slabs shall not be paid for directly, but shall be considered incidental to related Contract Items.

12. Neoprene pad will not be paid for separately, but will be considered incidental to related Contract Items.

DRAFT NOT FOR CONSTRUCTION

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 006462.92

BRIDGE NO. 6580

BRIDGE PLANS

vhb

PROJ. MANAGER	R.M.		
DESIGN-DETAILED	JAH	08/2025	
CHECKED-REVIEWED	YP	08/2025	
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

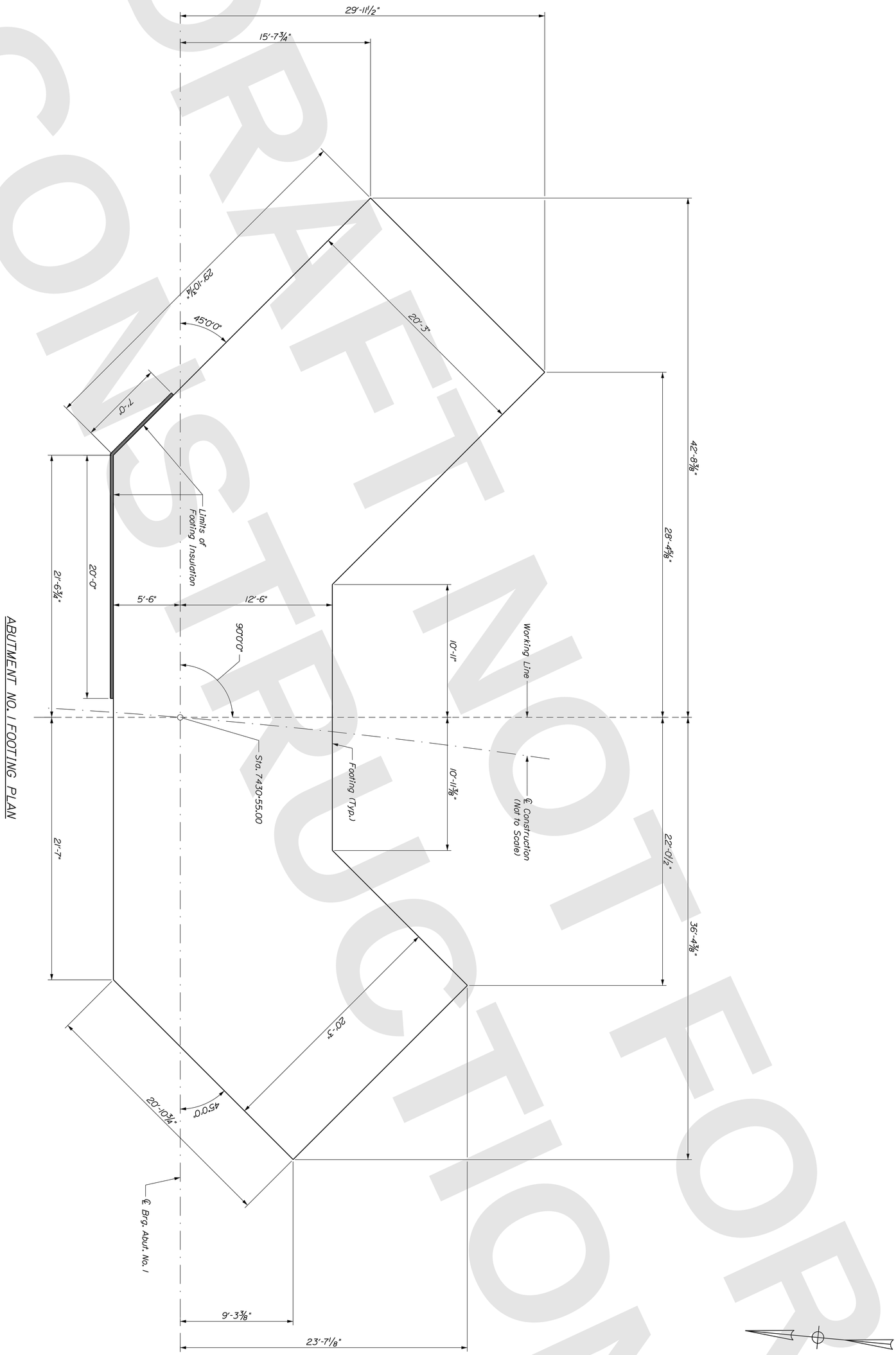
HENDERSON ROAD BRIDGE
OVER HENDERSON ROAD
PRESQUE ISLE AROOSTOOK COUNTY

ABUTMENT & WINGWALL DETAILS

SHEET NUMBER
B-8
542
OF 747

Filename: ...\0B7_Abut_Detail.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025

DRAFT NOT FOR CONSTRUCTION



ABUTMENT NO. 1 FOOTING PLAN

SHEET NUMBER B-9 543 OF 747

HENDERSON ROAD BRIDGE
OVER HENDERSON ROAD
PRESQUE ISLE AROOSTOOK COUNTY

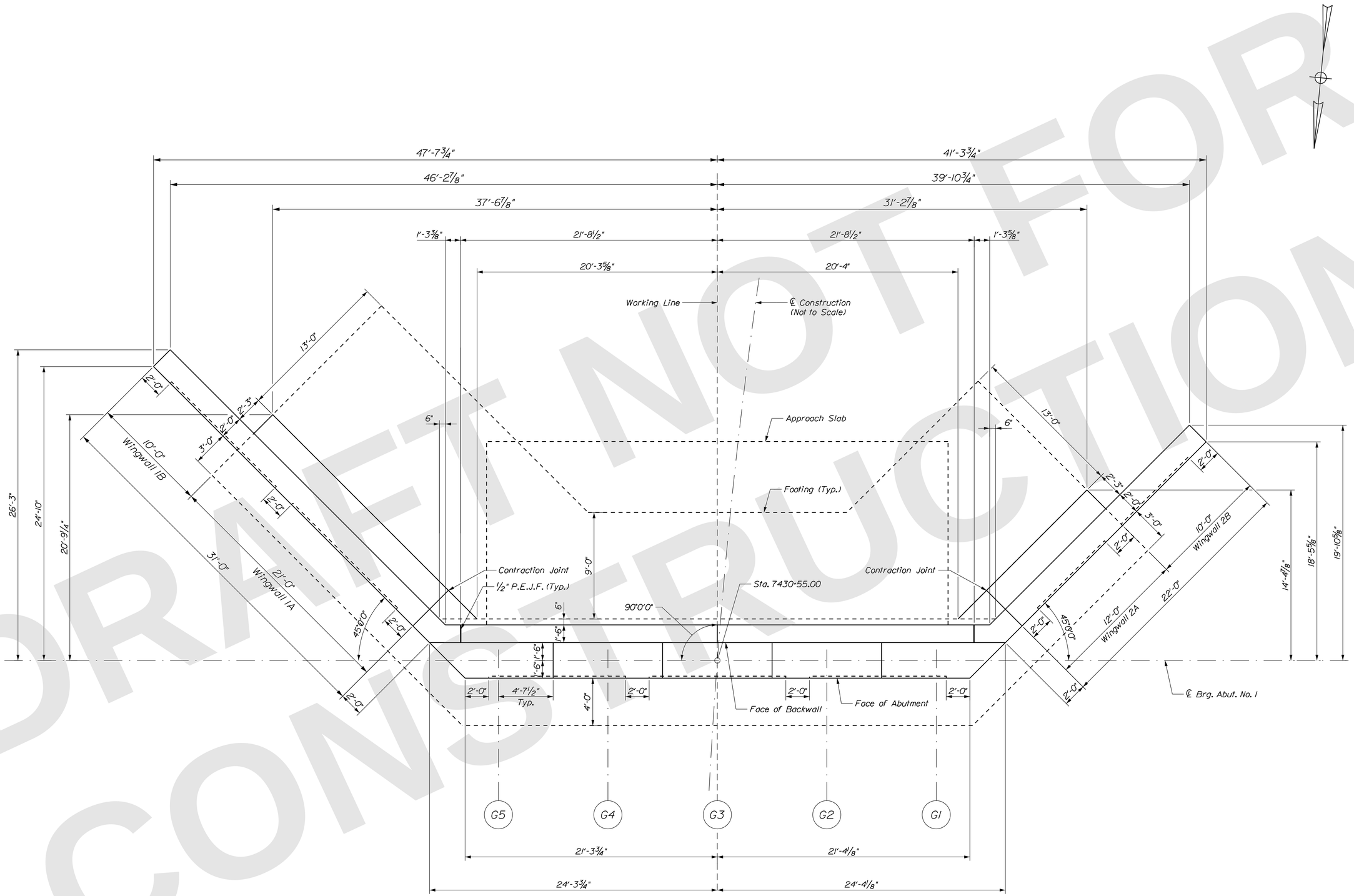
ABUTMENT NO. 1 FOOTING PLAN

PROJ. MANAGER	R.M.	BY	DATE
DESIGN-DETAILED	JAH	JAH	08/2025
CHECKED-REVIEWED	YP	SMH	08/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

vhb

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
CAPITAL PROJECTS

BRIDGE NO. 6580 WIN 006462.92 BRIDGE PLANS



ABUTMENT NO. 1 PLAN

DRAFT NOT FOR CONSTRUCTION

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 006462.92

BRIDGE NO. 6580

BRIDGE PLANS

vhb

PROJ. MANAGER	R.M.
DESIGN-DETAILED	JAH
CHECKED-REVIEWED	YP
DESIGN2-DETAILED2	
DESIGN3-DETAILED3	
REVISIONS 1	
REVISIONS 2	
REVISIONS 3	
REVISIONS 4	
FIELD CHANGES	

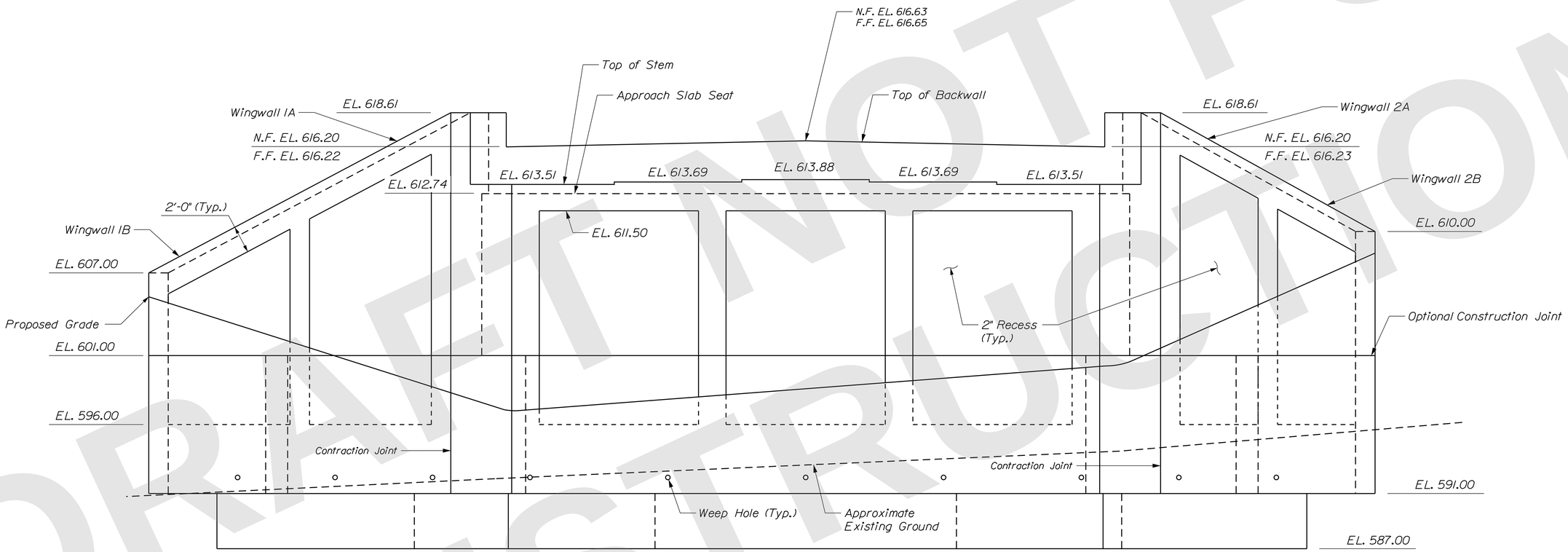
BY	DATE
JAH	08/2025
SMH	08/2025

HENDERSON ROAD BRIDGE
OVER HENDERSON ROAD
PRESQUE ISLE AROOSTOOK COUNTY

ABUTMENT NO. 1 PLAN

SHEET NUMBER
B-10
544
OF 747

Filename: ...\Henderson Rd\0B9_Abut1_02.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025



ABUTMENT NO. 1 ELEVATION

DRAFT NOT FOR CONSTRUCTION

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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 006462.92

BRIDGE NO. 6580

BRIDGE PLANS

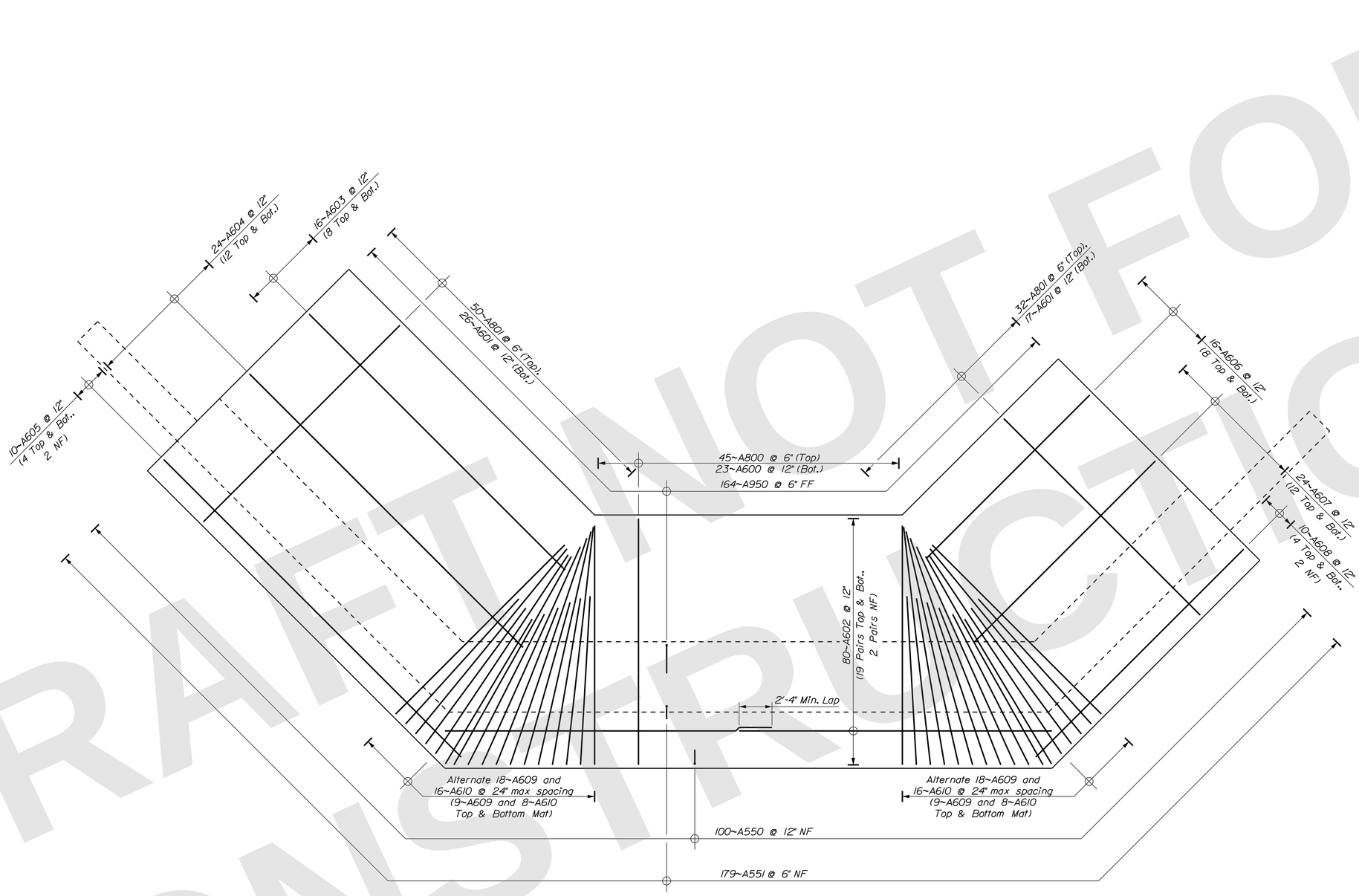
vhb

	R.M.	BY	DATE
PROJ. MANAGER			
DESIGN-DETAILED	JAH	JAH	08/2025
CHECKED-REVIEWED	YP	SMH	08/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

HENDERSON ROAD BRIDGE
OVER HENDERSON ROAD
PRESQUE ISLE AROOSTOOK COUNTY

ABUTMENT NO. 1 ELEVATION

SHEET NUMBER
B-11
545
OF 747



ABUTMENT NO. 1 FOOTING REINFORCING PLAN

REINFORCING KEY

EF = Each Face
NF = Near Face
FF = Far Face

DRAFT NOT FOR CONSTRUCTION

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 006462.92

BRIDGE NO. 6580 BRIDGE PLANS

vhb

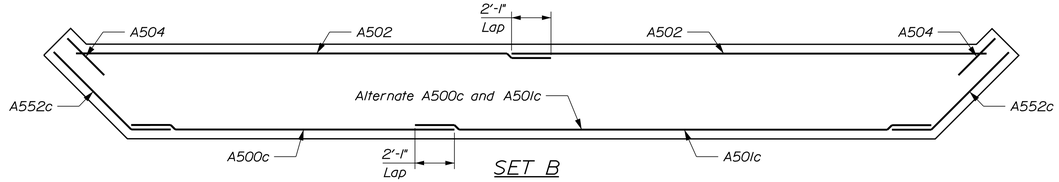
R.M.	BY	DATE
PROJ. MANAGER		
DESIGN-DETAILED	JAH	08/2025
CHECKED-REVIEWED	YP	08/2025
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

HENDERSON ROAD BRIDGE
OVER HENDERSON ROAD
PRESQUE ISLE AROOSTOOK COUNTY

ABUTMENT NO. 1
FOOTING REINFORCING

SHEET NUMBER
B-12
546
OF 747

Filename: ...\B11_AbutIFoot_Rein.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025



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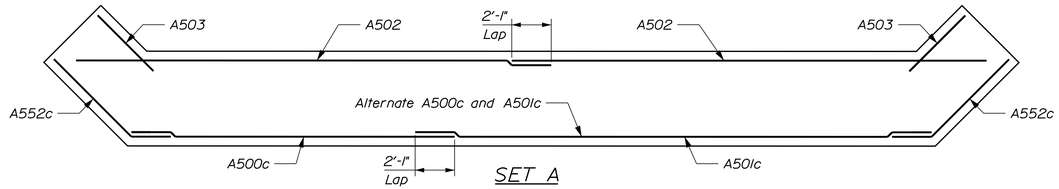

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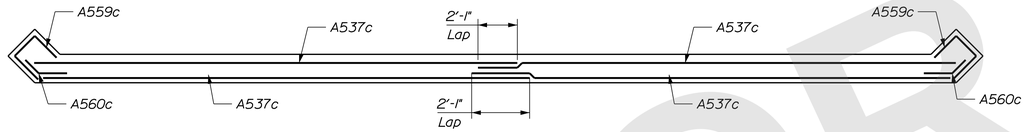

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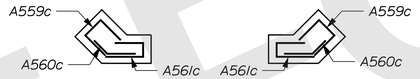

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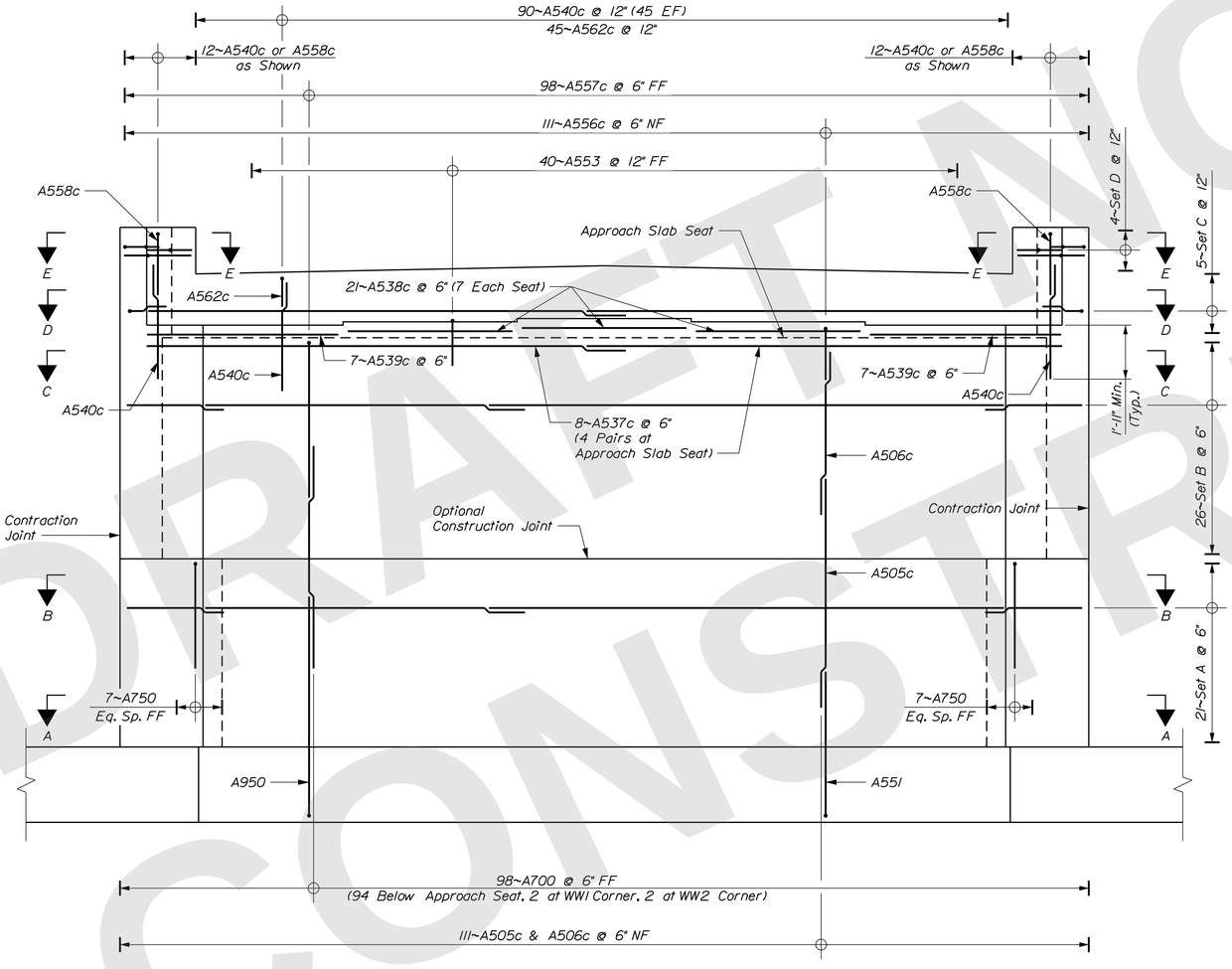
(All Chromx)



ABUTMENT NO. 1 REINFORCING ELEVATION
(Recess Panels and Wingwalls Beyond Contraction Joints are not Shown for Clarity)

REINFORCING KEY

EF = Each Face
NF = Near Face
FF = Far Face

DRAFT NOT FOR CONSTRUCTION

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 006462.92

BRIDGE PLANS

BRIDGE NO. 6580

vhb

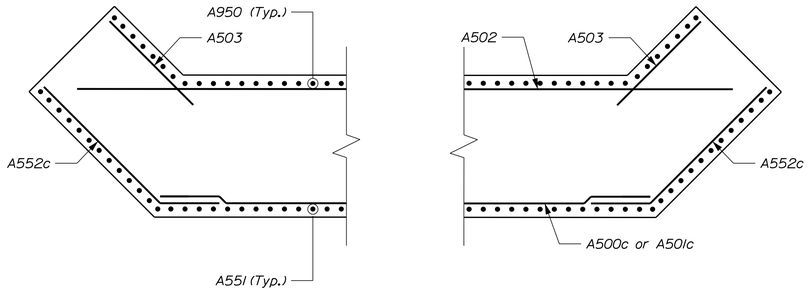
PROJ. MANAGER	R.M.		
DESIGN-DETAILED	JAH	08/2025	DATE
CHECKED-REVIEWED	YP	08/2025	BY
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

HENDERSON ROAD BRIDGE
OVER HENDERSON ROAD
PRESQUE ISLE AROOSTOOK COUNTY

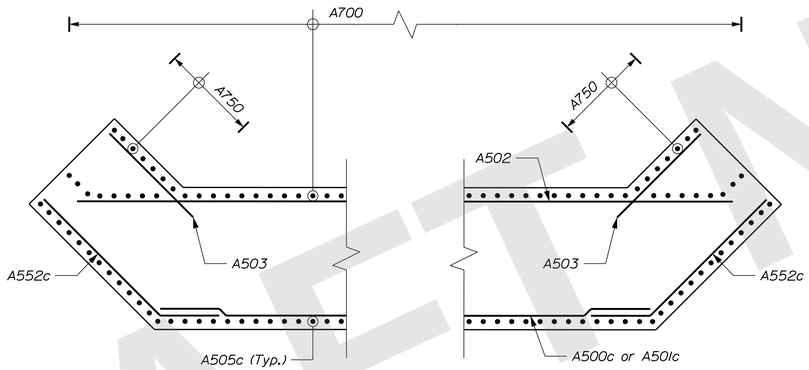
ABUTMENT NO. 1
STEM REINFORCING (1 OF 2)

SHEET NUMBER
B-13
547
OF 747

Username: jamesdavis Date:9/2/2025
Division: HIGHWAY
Filename: ...\B12_Abut1_Stem_Rein.dgn



SECTION A-A



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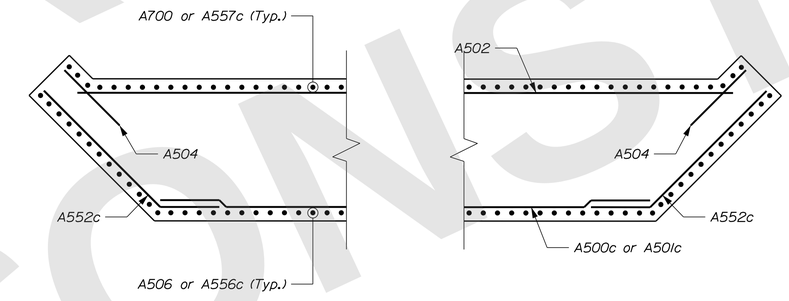
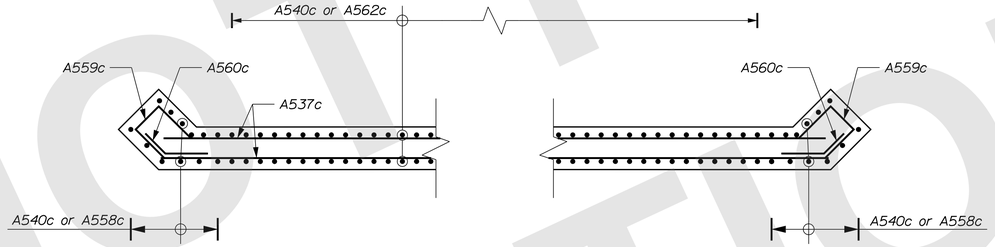


SECTION C-C

(Bridge Seat, Approach Slab Seat, and Backwall Bars not Shown for Clarity)



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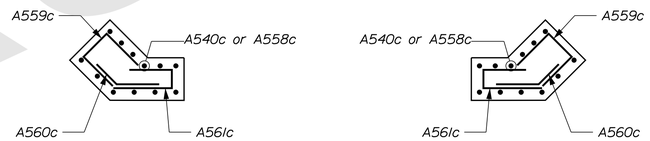


SECTION E-E

DRAFT NOT FOR CONSTRUCTION

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 006462.92

BRIDGE NO. 6580

BRIDGE PLANS

vhb

	R.M.	DATE
PROJ. MANAGER		
DESIGN-DETAILED	JAH	08/2025
CHECKED-REVIEWED	YP	08/2025
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

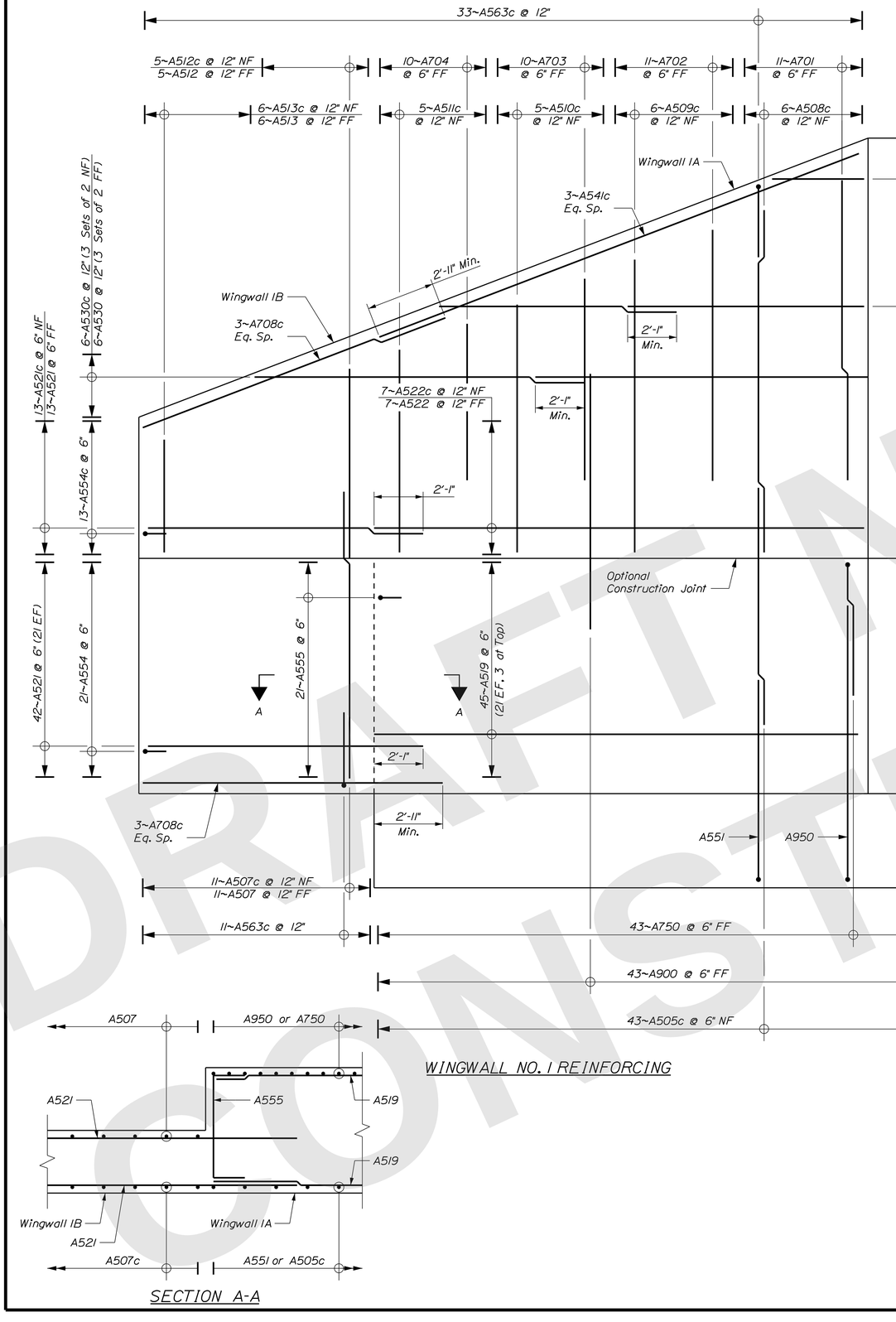
HENDERSON ROAD BRIDGE
OVER HENDERSON ROAD
PRESQUE ISLE AROOSTOOK COUNTY

ABUTMENT NO.1
STEM REINFORCING (2 OF 2)

SHEET NUMBER
B-14
548
OF 747

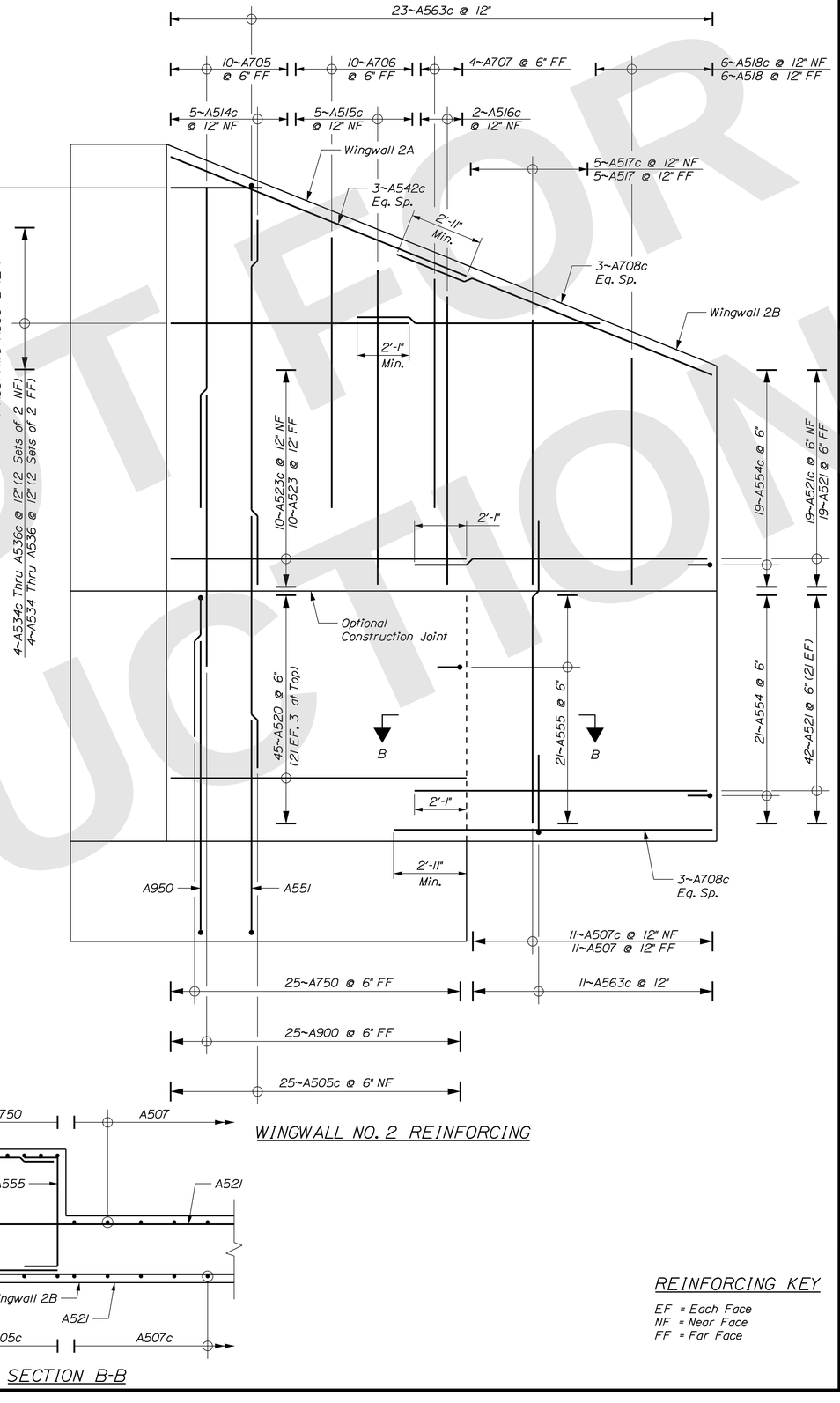
Filename: ...\B12_Abut1_Stem_Rein2.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025

Filename: ...\B13_Abut1_Wingwall_Rein.dgn Username: jamesdavis Date:9/2/2025
Division: HIGHWAY



WINGWALL NO. 1 REINFORCING

SECTION A-A



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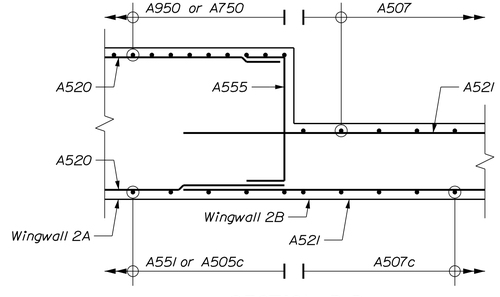


SECTION B-B

REINFORCING KEY

EF = Each Face
NF = Near Face
FF = Far Face

DRAFT NOT FOR CONSTRUCTION

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 006462.92

BRIDGE NO. 6580

BRIDGE PLANS

vhb

PROJ. MANAGER	R.M.
DESIGN-DETAILED	JAH
CHECKED-REVIEWED	YP
DESIGN2-DETAILED2	
DESIGN3-DETAILED3	

	BY	DATE
REVISIONS 1	JAH	08/2025
REVISIONS 2	SMH	08/2025
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

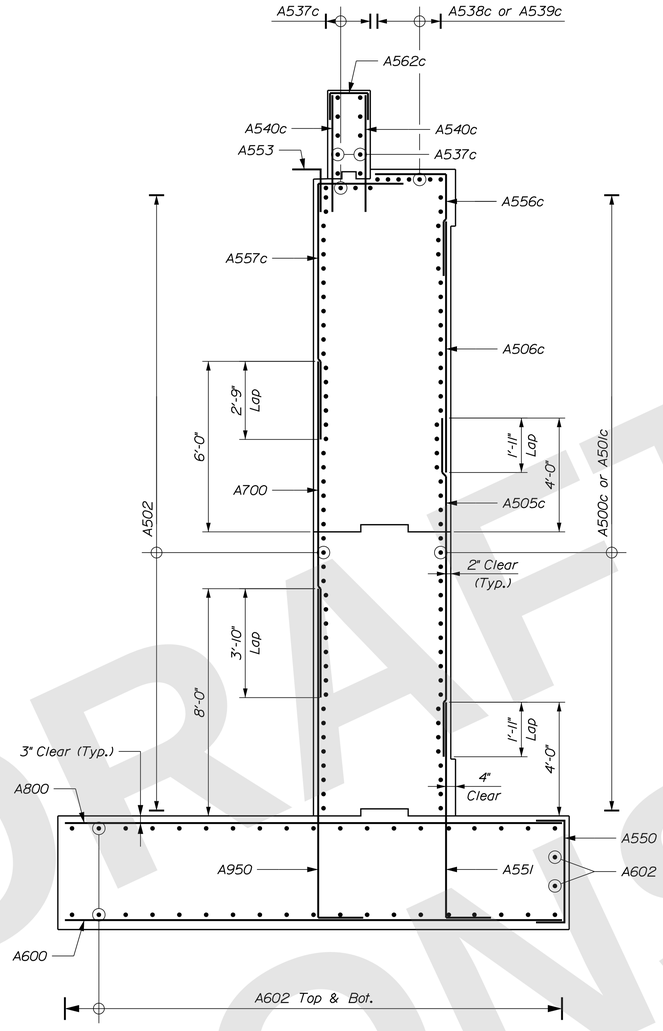
HENDERSON ROAD BRIDGE
OVER HENDERSON ROAD
PRESQUE ISLE AROOSTOOK COUNTY

ABUTMENT NO. 1
WINGWALL REINFORCING

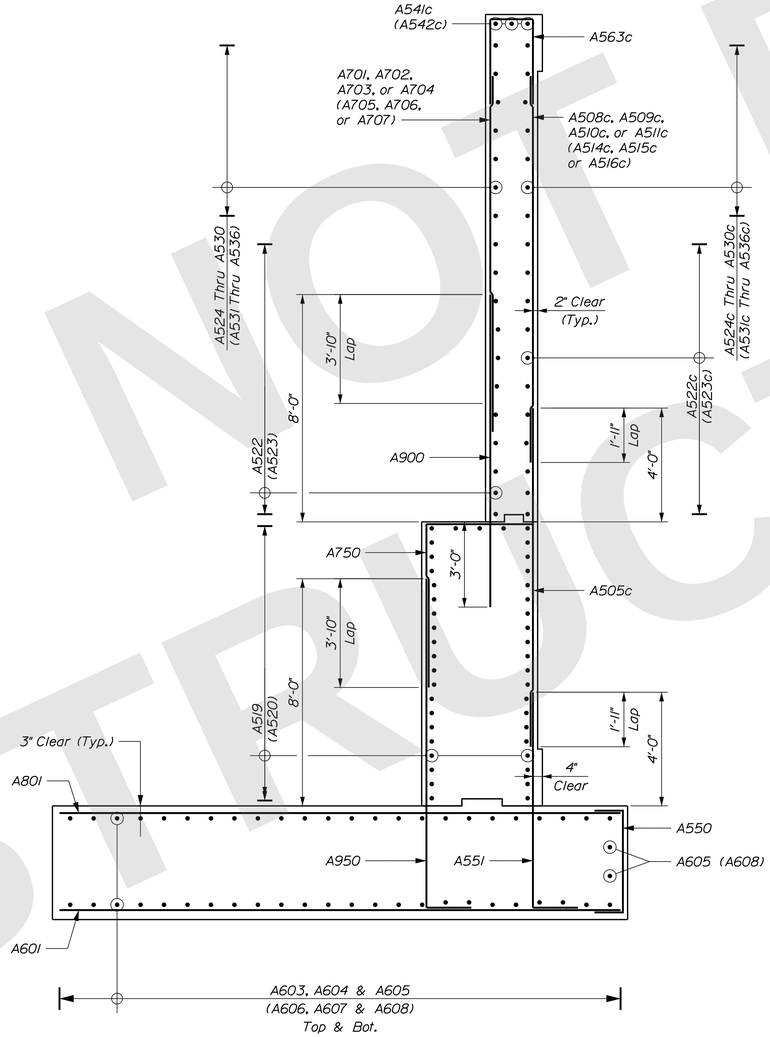
SHEET NUMBER
B-15
549
OF 747

Username: jamesdavis Date:9/2/2025
Division: HIGHWAY
Filename: ...\B14_Abut_Section_Rein.dgn

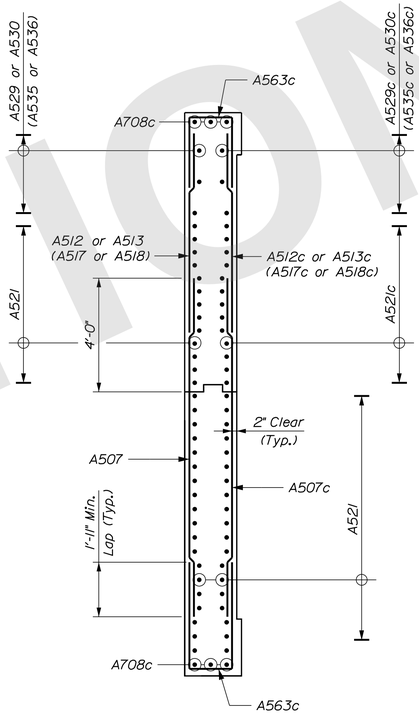
DRAFT NOT FOR CONSTRUCTION



ABUTMENT NO. 1 SECTION



WINGWALL IA SECTION
(Wingwall 2A Bars Shown in Parentheses)



WINGWALL IB SECTION
(Wingwall 2B Bars Shown in Parentheses)

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 006462.92

BRIDGE NO. 6580

BRIDGE PLANS

vhb

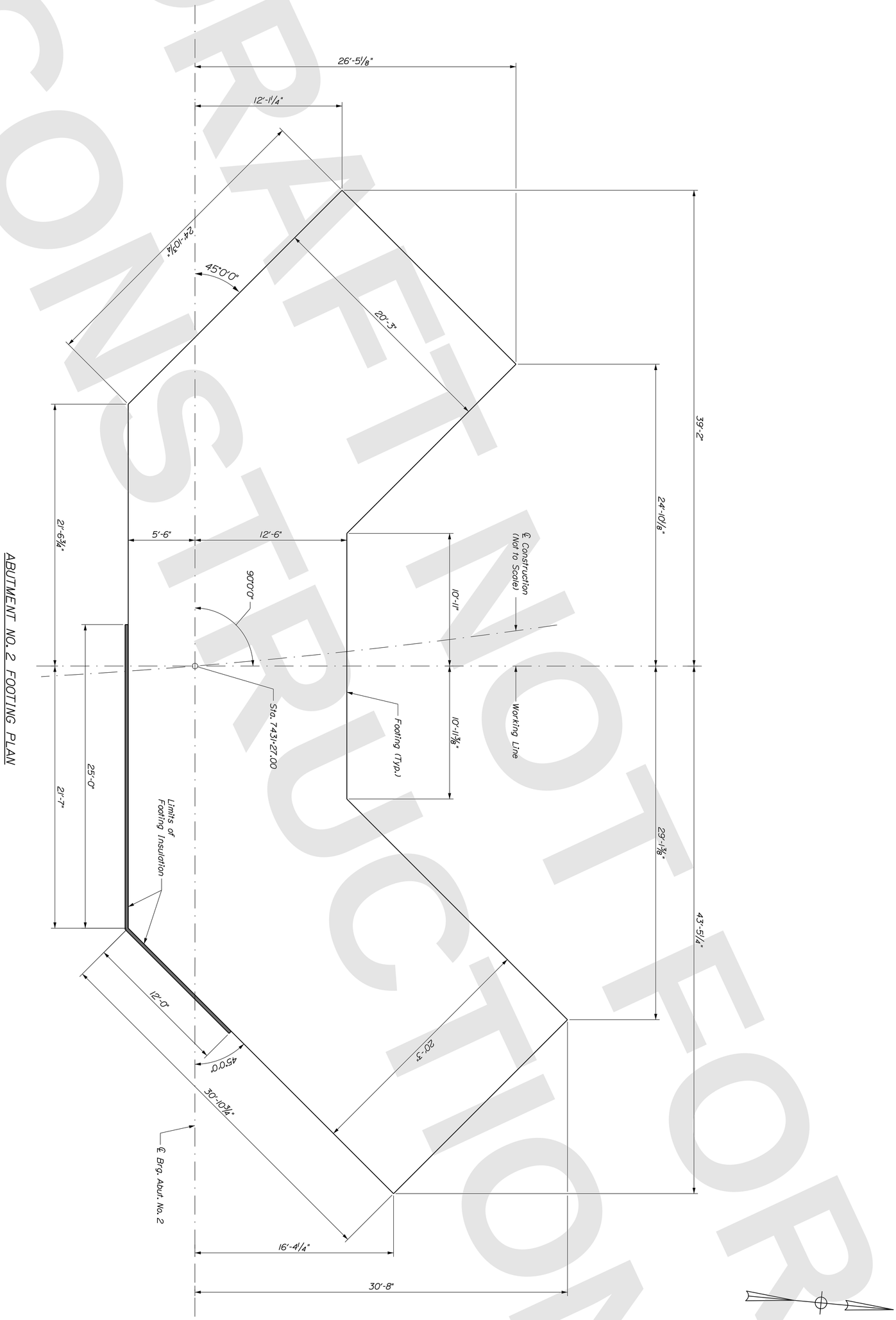
	R.M.	BY	DATE
PROJ. MANAGER			
DESIGN-DETAILED	JAH	JAH	08/2025
CHECKED-REVIEWED	YP	SMH	08/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

HENDERSON ROAD BRIDGE
OVER HENDERSON ROAD
PRESQUE ISLE AROOSTOOK COUNTY

ABUTMENT NO. 1 REINFORCING SECTIONS

SHEET NUMBER
B-16
550
OF 747

DRAFT NOT FOR CONSTRUCTION



ABUTMENT NO. 2 FOOTING PLAN

SHEET NUMBER B-17 551 OF 747

HENDERSON ROAD BRIDGE
OVER HENDERSON ROAD
PRESQUE ISLE AROOSTOOK COUNTY

ABUTMENT NO. 2 FOOTING PLAN

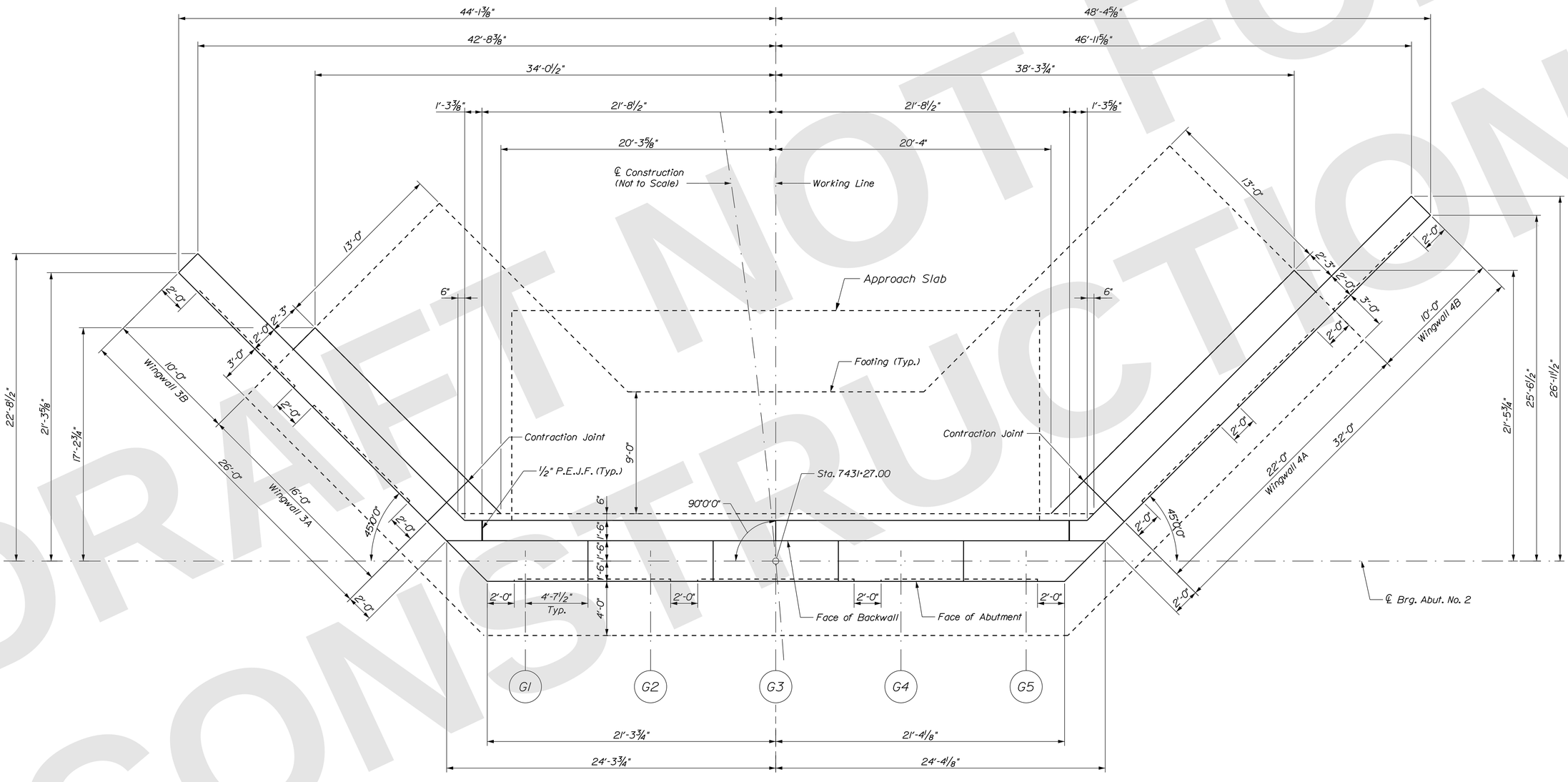
	PROJ. MANAGER	R.M.	BY	DATE
	DESIGN-DETAILED	JAH	JAH	08/2025
	CHECKED-REVIEWED	YP	SMH	08/2025
	DESIGN2-DETAILED2			
	DESIGN3-DETAILED3			
	REVISIONS 1			
	REVISIONS 2			
	REVISIONS 3			
	REVISIONS 4			
	FIELD CHANGES			

vhb

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
CAPITAL PROJECTS

BRIDGE NO. 6580 WIN 006462.92 BRIDGE PLANS

Filename: ...\Henderson Rd\B16_Abut2_02.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025



ABUTMENT NO. 2 PLAN

DRAFT NOT FOR CONSTRUCTION

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 006462.92

BRIDGE NO. 6580

BRIDGE PLANS

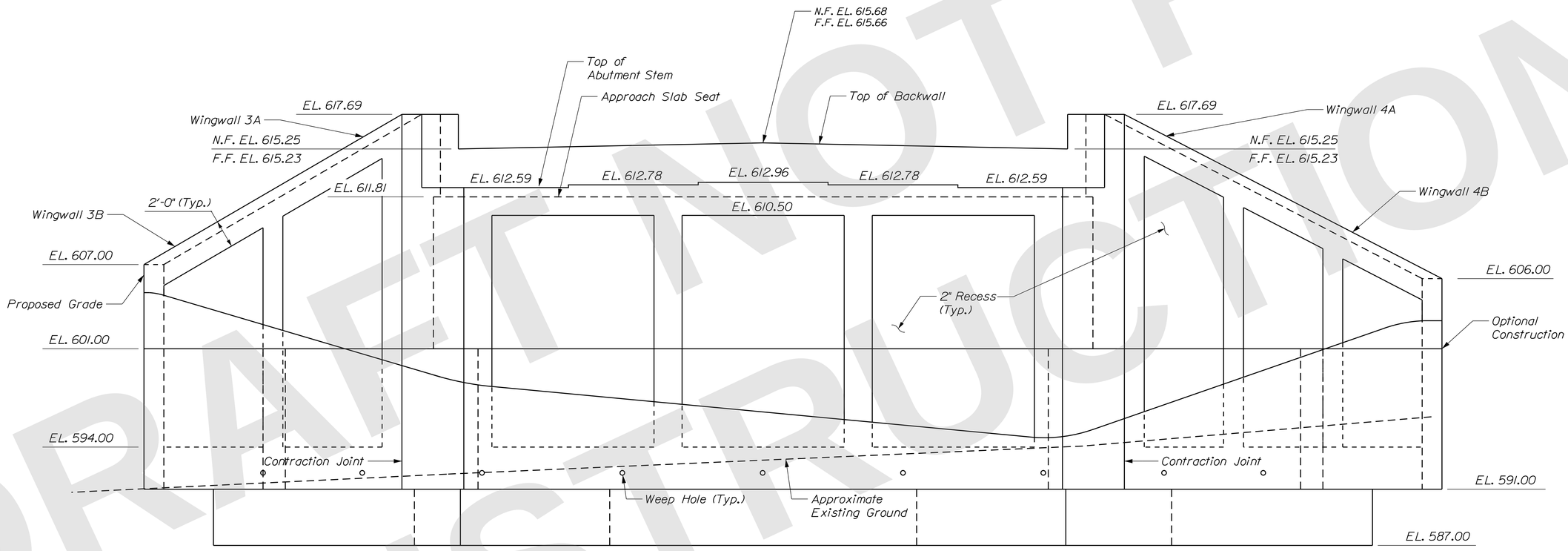
vhb

	BY	DATE
PROJ. MANAGER	R.M.	
DESIGN-DETAILED	JAH	08/2025
CHECKED-REVIEWED	YP	08/2025
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

HENDERSON ROAD BRIDGE
OVER HENDERSON ROAD
PRESQUE ISLE AROOSTOOK COUNTY

ABUTMENT NO. 2 PLAN

SHEET NUMBER
B-18
552
OF 747



ABUTMENT NO. 2 ELEVATION

DRAFT NOT FOR CONSTRUCTION

Filename: ...\Henderson Rd\B17_Abut2_02.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 006462.92

BRIDGE NO. 6580

BRIDGE PLANS

vhb

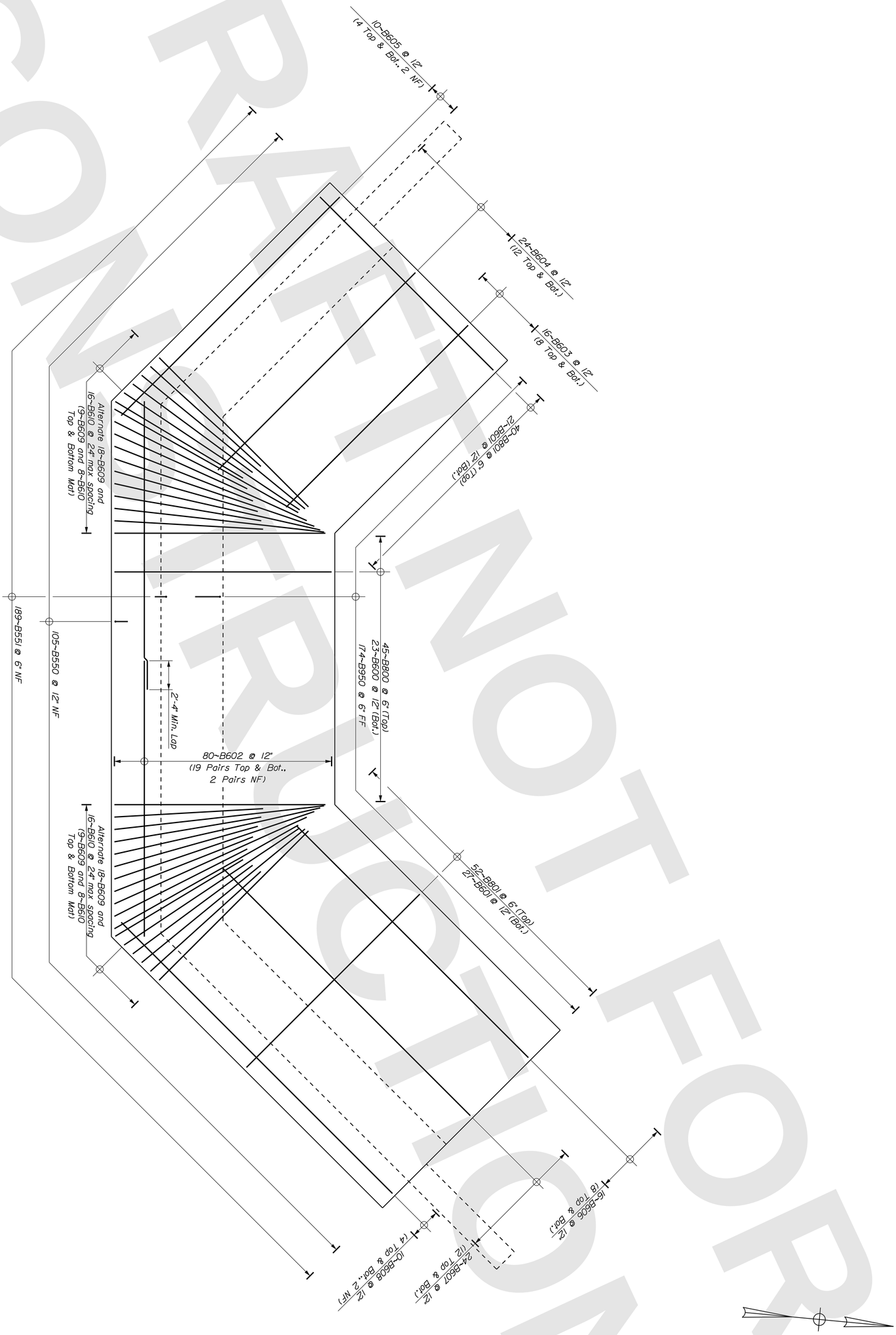
	R.M.	BY	DATE
PROJ. MANAGER			
DESIGN-DETAILED	JAH	JAH	08/2025
CHECKED-REVIEWED	YP	SMH	08/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

HENDERSON ROAD BRIDGE
OVER HENDERSON ROAD
PRESQUE ISLE AROOSTOOK COUNTY

ABUTMENT NO. 2 ELEVATION

SHEET NUMBER
B-19
553
OF 747

DRAFT NOT FOR CONSTRUCTION

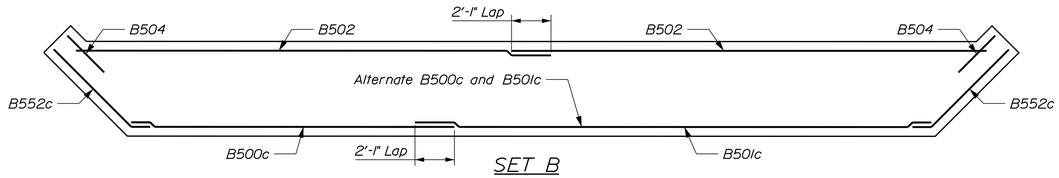


ABUTMENT NO. 2 FOOTING REINFORCING PLAN

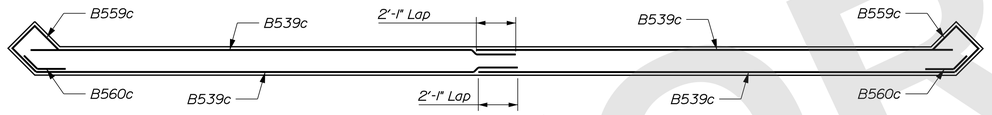
REINFORCING KEY

EF = Each Face
NF = Near Face
FF = Far Face

SHEET NUMBER B-20 554 OF 747	HENDERSON ROAD BRIDGE OVER HENDERSON ROAD PRESQUE ISLE AROOSTOOK COUNTY ABUTMENT NO. 2 FOOTING REINFORCING	PROJ. MANAGER R.M. / BY / DATE DESIGN-DETAILED JAH / JAH / 08/2025 CHECKED-REVIEWED YP / SMH / 08/2025 DESIGN2-DETAILED2 DESIGN3-DETAILED3 REVISIONS 1 REVISIONS 2 REVISIONS 3 REVISIONS 4 FIELD CHANGES	vhb STATE OF MAINE DEPARTMENT OF TRANSPORTATION CAPITAL PROJECTS BRIDGE NO. 6580 WIN 006462.92 BRIDGE PLANS



SET B



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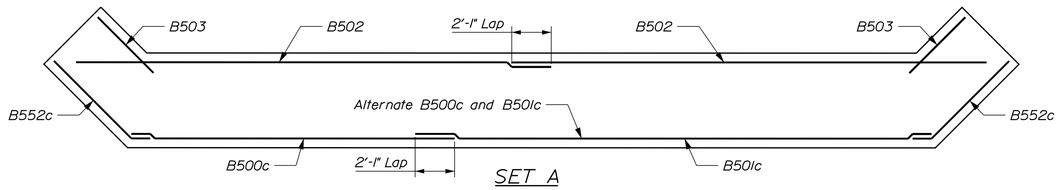
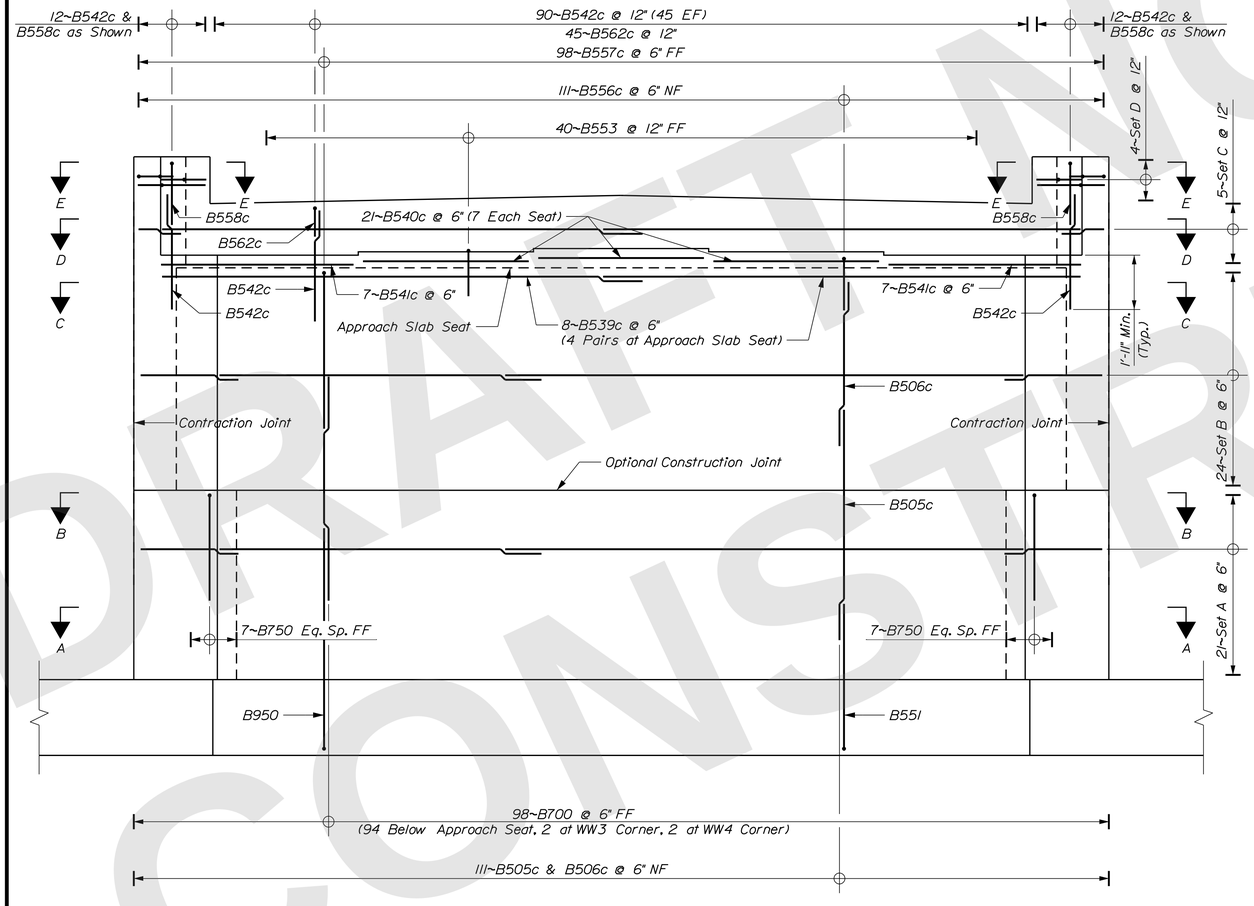
(All ChromX)



SET A

SET D
(All ChromX)



ABUTMENT NO. 2 REINFORCING ELEVATION
(Recess Panels and Wingwalls Beyond Contraction Joints are not Shown for Clarity)

REINFORCING KEY

EF = Each Face
NF = Near Face
FF = Far Face

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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 006462.92

BRIDGE NO. 6580

BRIDGE PLANS

vhb

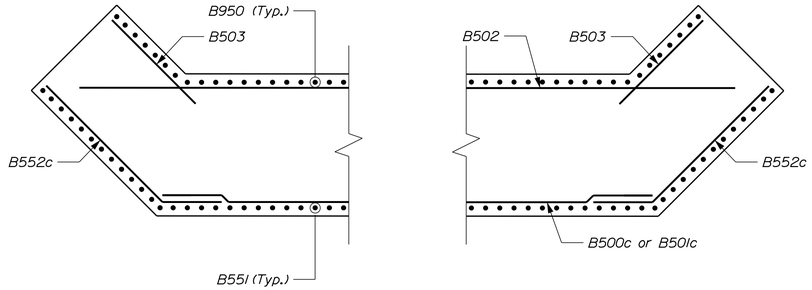
PROJ. MANAGER	R.M.		
DESIGN-DETAILED	JAH		
CHECKED-REVIEWED	YP		
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1	JAH	08/2025	
REVISIONS 2	SMH	08/2025	
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

HENDERSON ROAD BRIDGE
OVER HENDERSON ROAD
PRESQUE ISLE AROOSTOOK COUNTY

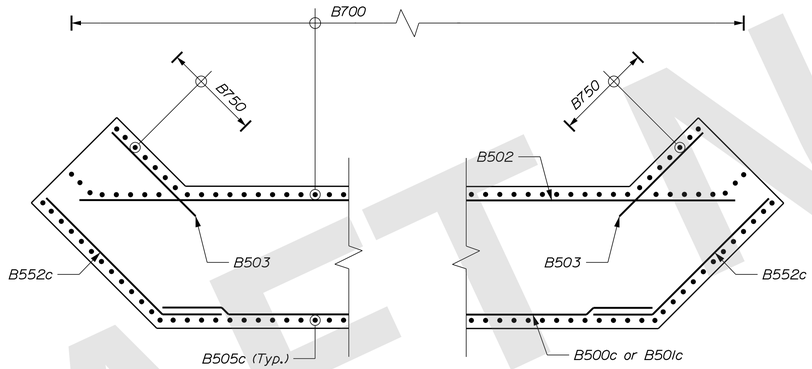
ABUTMENT NO. 2
STEM REINFORCING (1 Of 2)

SHEET NUMBER
B-21
555
OF 747

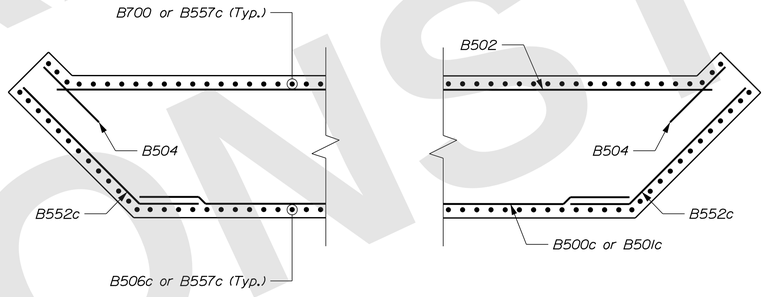
Filename: ...\B12_Abut2_Stem_Rein.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025



SECTION A-A

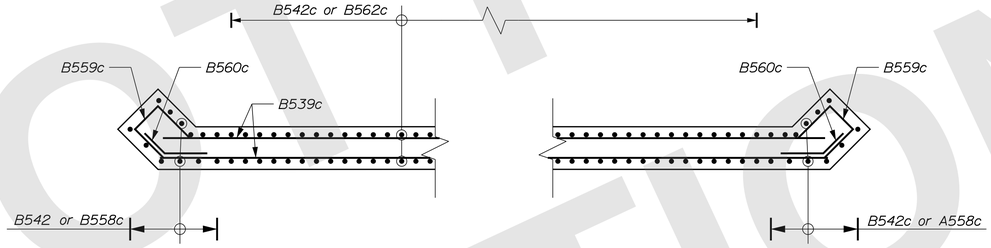


SECTION B-B



SECTION C-C

(Bridge Seat, Approach Slab Seat, and Backwall Bars not Shown for Clarity)



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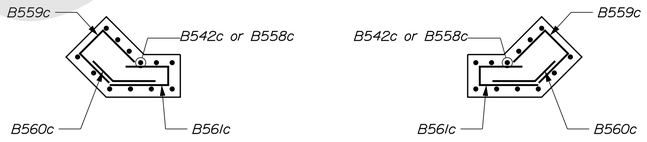

SECTION E-E

DRAFT NOT FOR CONSTRUCTION

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 006462.92

BRIDGE NO. 6580

BRIDGE PLANS

vhb

PROJ. MANAGER	R.M.		
DESIGN-DETAILED	JAH	08/2025	
CHECKED-REVIEWED	YP	08/2025	
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

HENDERSON ROAD BRIDGE
OVER HENDERSON ROAD
PRESQUE ISLE AROOSTOOK COUNTY

ABUTMENT NO. 2
STEM REINFORCING (2 OF 2)

SHEET NUMBER
B-22
556
OF 747

Filename: ...\B12_Abut2_Stem_Rein2.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025

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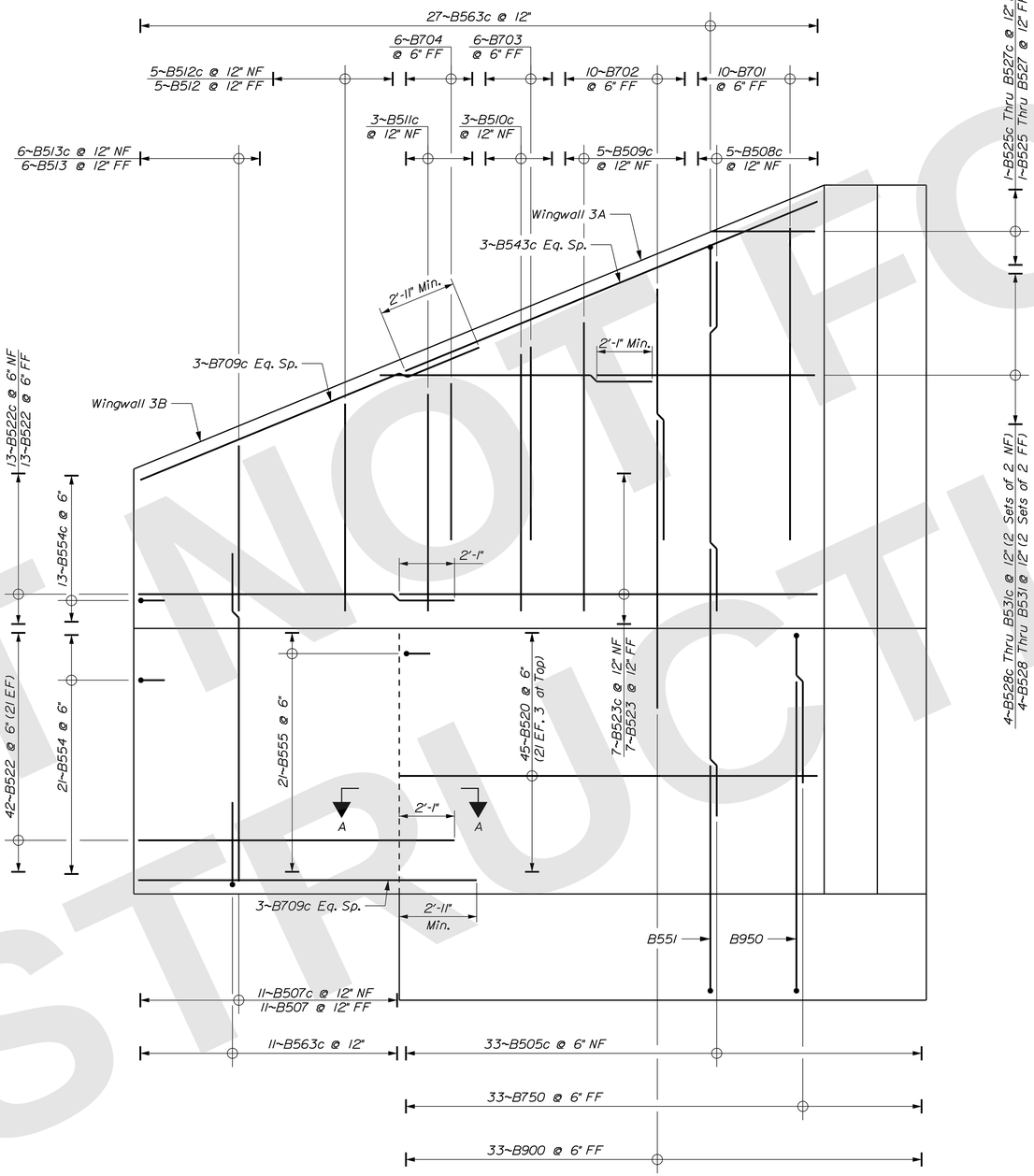
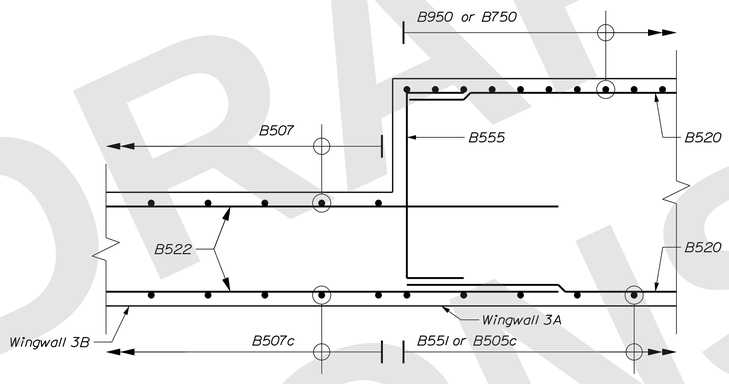


WINGWALL NO. 3 REINFORCING



SECTION A-A

REINFORCING KEY

EF = Each Face
NF = Near Face
FF = Far Face

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 006462.92

BRIDGE NO. 6580

BRIDGE PLANS

vhb

PROJ. MANAGER	R.M.
DESIGN-DETAILED	JAH
CHECKED-REVIEWED	YP
DESIGN2-DETAILED2	
DESIGN3-DETAILED3	
REVISIONS 1	
REVISIONS 2	
REVISIONS 3	
REVISIONS 4	
FIELD CHANGES	

BY	DATE
JAH	08/2025
SMH	08/2025

HENDERSON ROAD BRIDGE
OVER HENDERSON ROAD
PRESQUE ISLE AROOSTOOK COUNTY

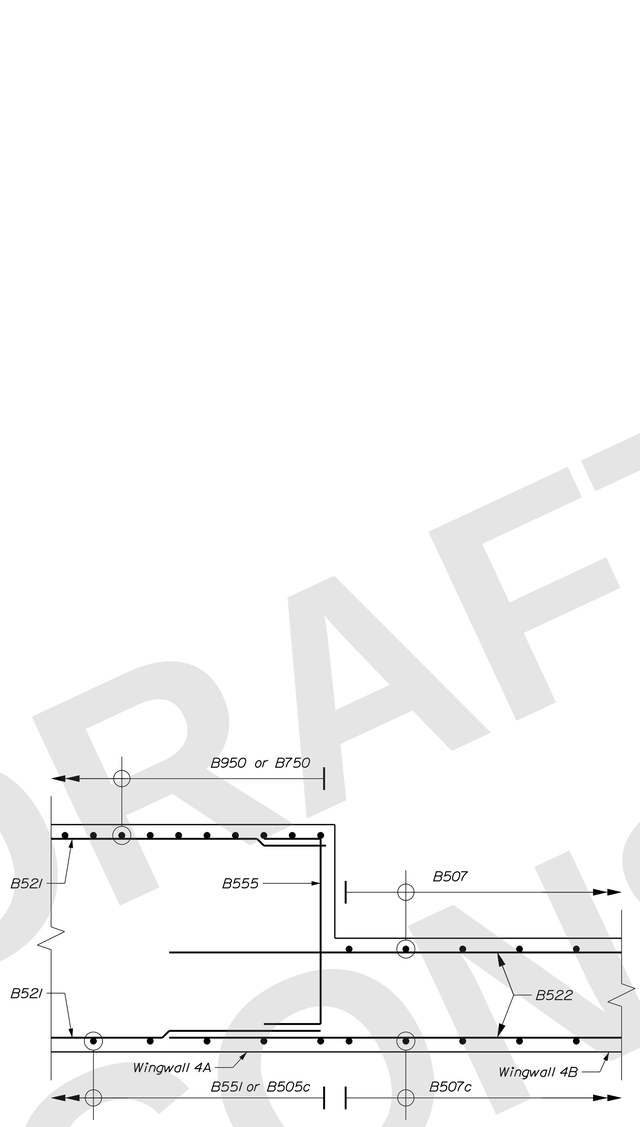
ABUTMENT NO. 2 WINGWALL
REINFORCING (1 OF 2)

SHEET NUMBER
B-23
557
OF 747

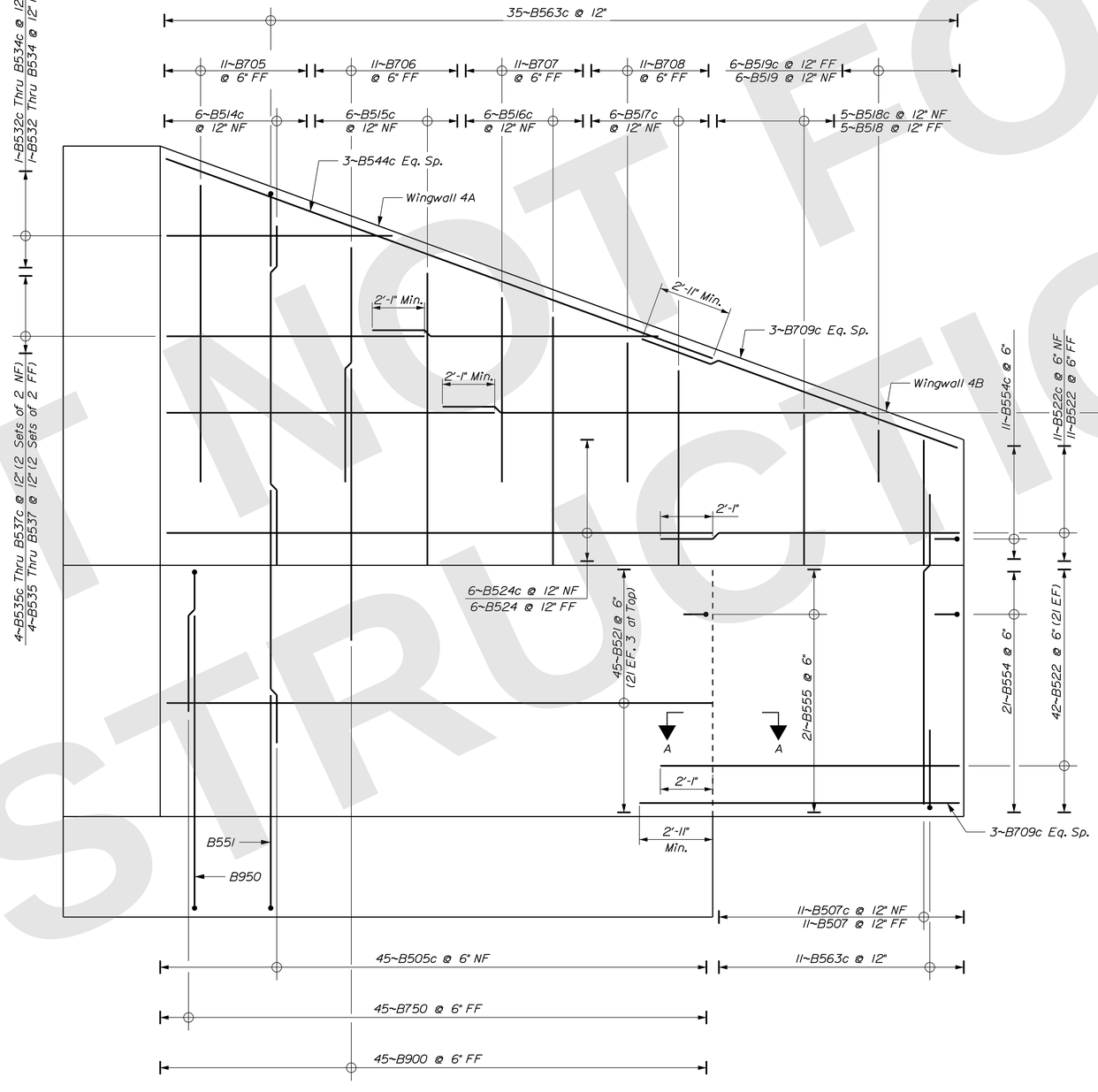
DRAFT NOT FOR CONSTRUCTION

Filename: ...\B20_Abut2_Wingwall_Rein_04.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025

DRAFT NOT FOR CONSTRUCTION



SECTION A-A



WINGWALL NO. 4 REINFORCING

REINFORCING KEY

EF = Each Face
NF = Near Face
FF = Far Face

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 006462.92

BRIDGE NO. 6580 BRIDGE PLANS

vhb

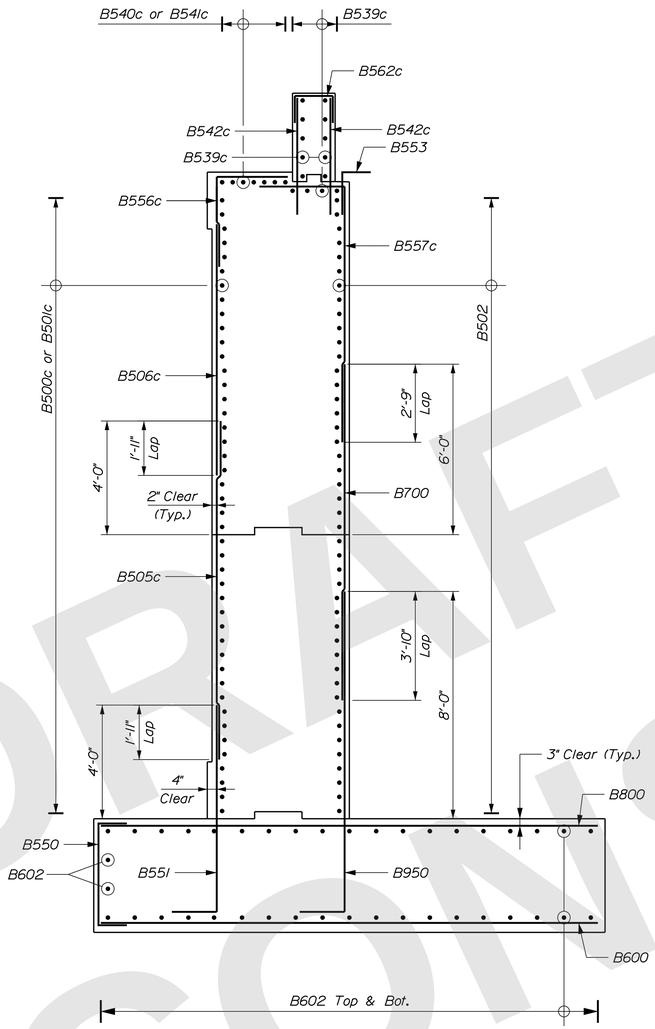
	BY	DATE
R.M.		
	JAH	08/2025
	SMH	08/2025

PROJ. MANAGER	R.M.
DESIGN-DETAILED	JAH
CHECKED-REVIEWED	YP
DESIGN2-DETAILED2	
DESIGN3-DETAILED3	
REVISIONS 1	
REVISIONS 2	
REVISIONS 3	
REVISIONS 4	
FIELD CHANGES	

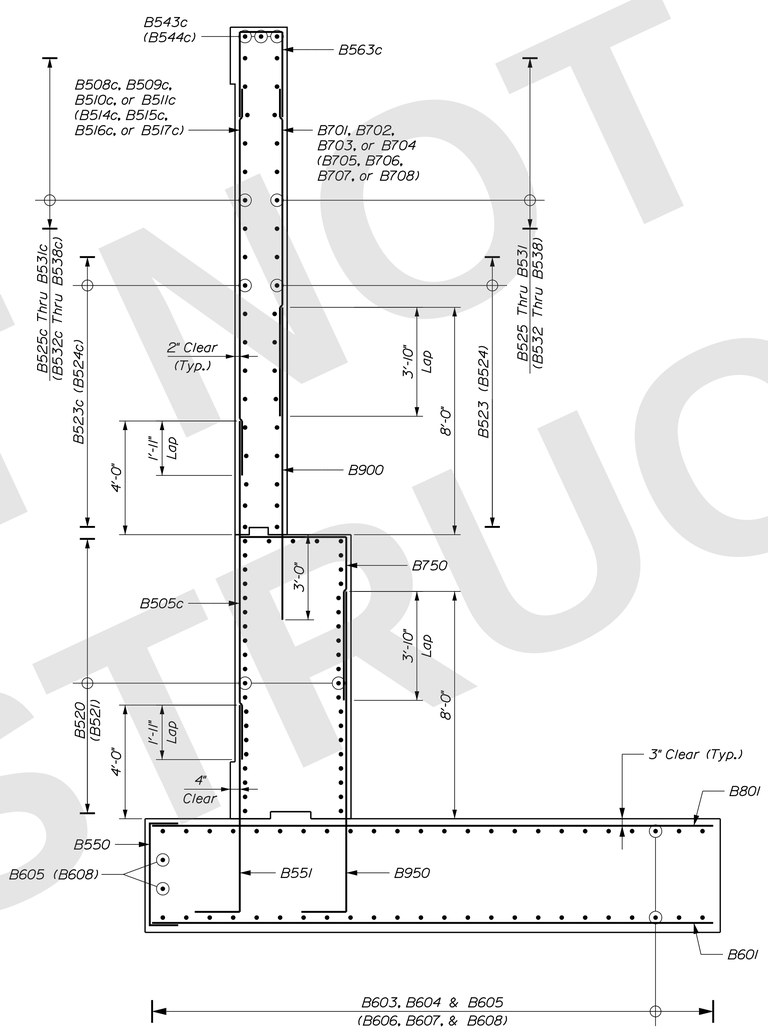
HENDERSON ROAD BRIDGE
OVER HENDERSON ROAD
PRESQUE ISLE AROOSTOOK COUNTY

ABUTMENT NO. 2 WINGWALL REINFORCING (2 OF 2)

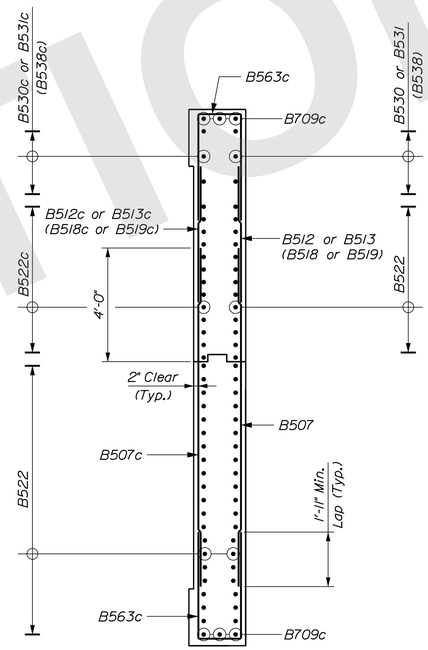
SHEET NUMBER
B-24
558
OF 747



ABUTMENT NO. 2 SECTION



WINGWALL 3A SECTION
(Wingwall 4A Bars Shown in Parentheses)



WINGWALL 3B SECTION
(Wingwall 4B Bars Shown in Parentheses)

DRAFT NOT FOR CONSTRUCTION

Filename: ...\B21_Abut2_Section_Rein.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 006462.92

BRIDGE NO. 6580 BRIDGE PLANS

vhb

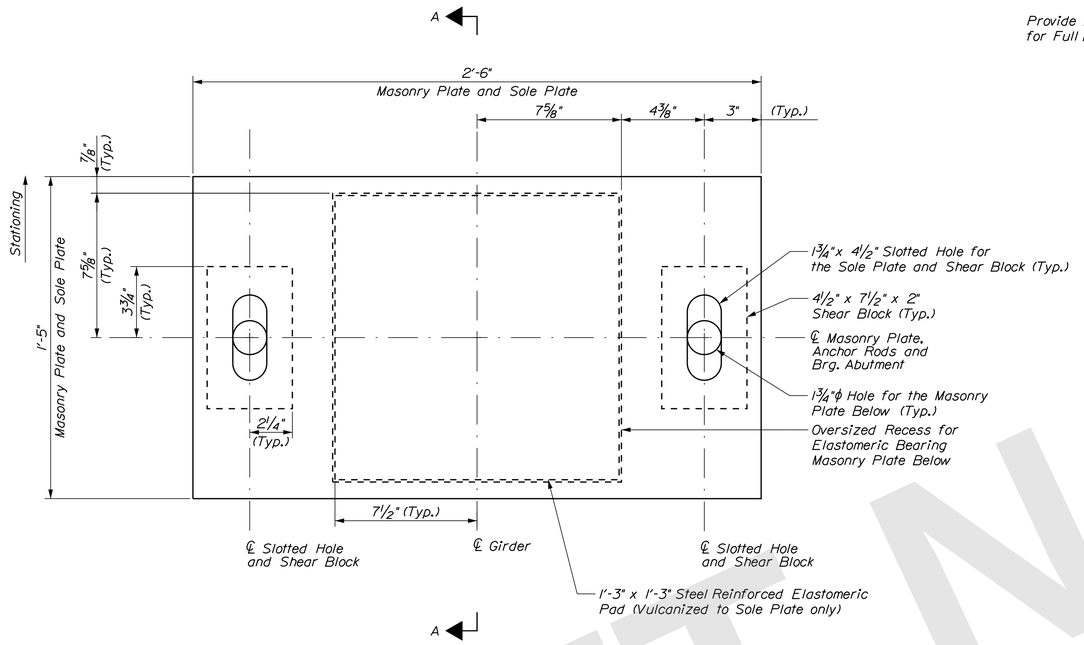
PROJ. MANAGER	R.M.
DESIGN-DETAILED	JAH
CHECKED-REVIEWED	YP
DESIGN2-DETAILED2	
DESIGN3-DETAILED3	

	BY	DATE
REVISIONS 1	JAH	08/2025
REVISIONS 2	SMH	08/2025
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

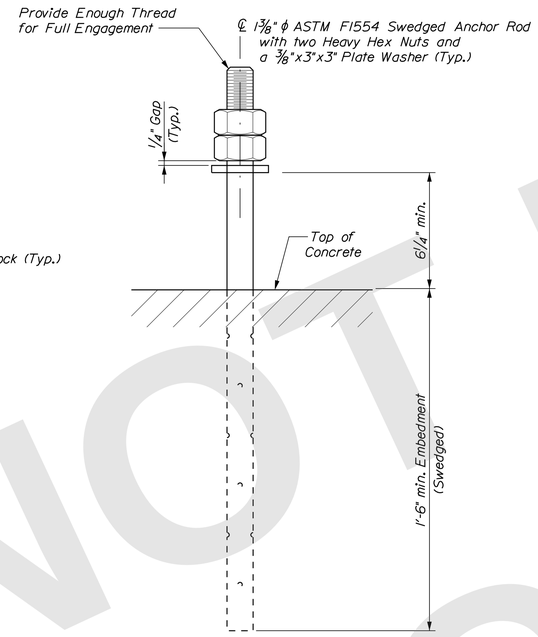
HENDERSON ROAD BRIDGE
OVER HENDERSON ROAD
PRESQUE ISLE AROOSTOOK COUNTY

ABUTMENT NO. 2 REINFORCING SECTIONS

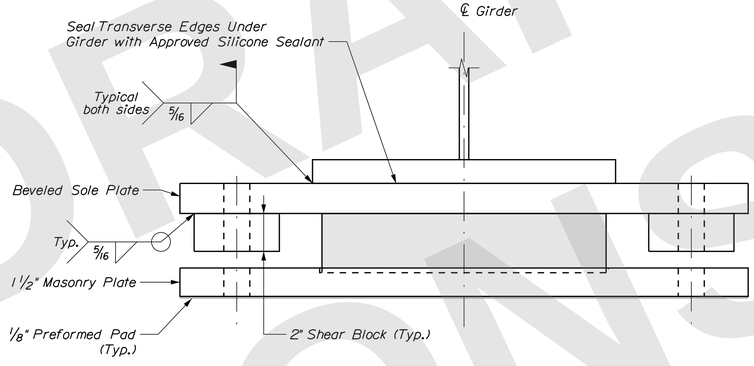
SHEET NUMBER
B-25
559
OF 747



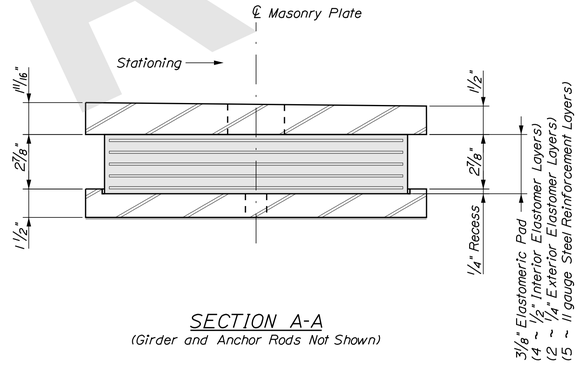
BEARING PLAN
(Anchor Rods Not Shown)



ANCHOR ROD DETAIL



BEARING ELEVATION
(Anchor Rods Not Shown)



SECTION A-A
(Girder and Anchor Rods Not Shown)

ELASTOMERIC BEARING NOTES

1. The shear modulus of the elastomer shall be 95 psi.

2. Vulcanization of the elastomer to the steel plates shall be done during the primary mold process. Sole plate shall be vulcanized to the elastomer.

3. Masonry plates, shear blocks and sole plates shall meet the requirements of ASTM A709, Grade 50. Anchor rods shall meet the requirements of ASTM F1554, Grade 105 and shall be swedged on the embedded portion of the rod.

4. Masonry plates shall be galvanized in accordance with Section 506. Sole plates and shear blocks for steel superstructure shall be treated in the same manner as the structural steel. Anchor rods, plates washers, and nuts shall be galvanized to ASTM A153 or ASTM B695 Class 50, Type 1.

5. All bearings shall be marked prior to shipping. The marks shall include the bearing location on the bridge and a direction arrow that points upstation. All marks shall be permanent and shall be visible after the bearing is installed.

6. Bearings shall be covered during shipping and at any time prior to installation that the bearings may be exposed to sunlight.

7. The superstructure may be erected when the ambient air temperature is within the range of 65°F and 90°F. If the ambient air temperature is outside the range, the bearing shall be be reset as directed by the Resident.

8. All necessary precautions shall be taken to protect bearing components from field weld flash and spatter. Heat from welding operations shall be controlled such that steel adjacent to the elastomer does not exceed 200 °F. The temperature shall be verified by the use of temperature indicating crayons or other suitable means.

9. The "Bearing Design Load" for each bearing as noted in Standard Specifications, subsection 523.23.4, is 196 kips. This is the total load for the Service I load combination, without impact.

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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 006462.92

BRIDGE NO. 6580

BRIDGE PLANS

vhb

PROJ. MANAGER	R.M.
DESIGN-DETAILED	JAH
CHECKED-REVIEWED	ELW
DESIGN2-DETAILED2	
DESIGN3-DETAILED3	

REVISIONS	BY	DATE
1	JAH	08/2025
2	SMH	08/2025
3		
4		
FIELD CHANGES		

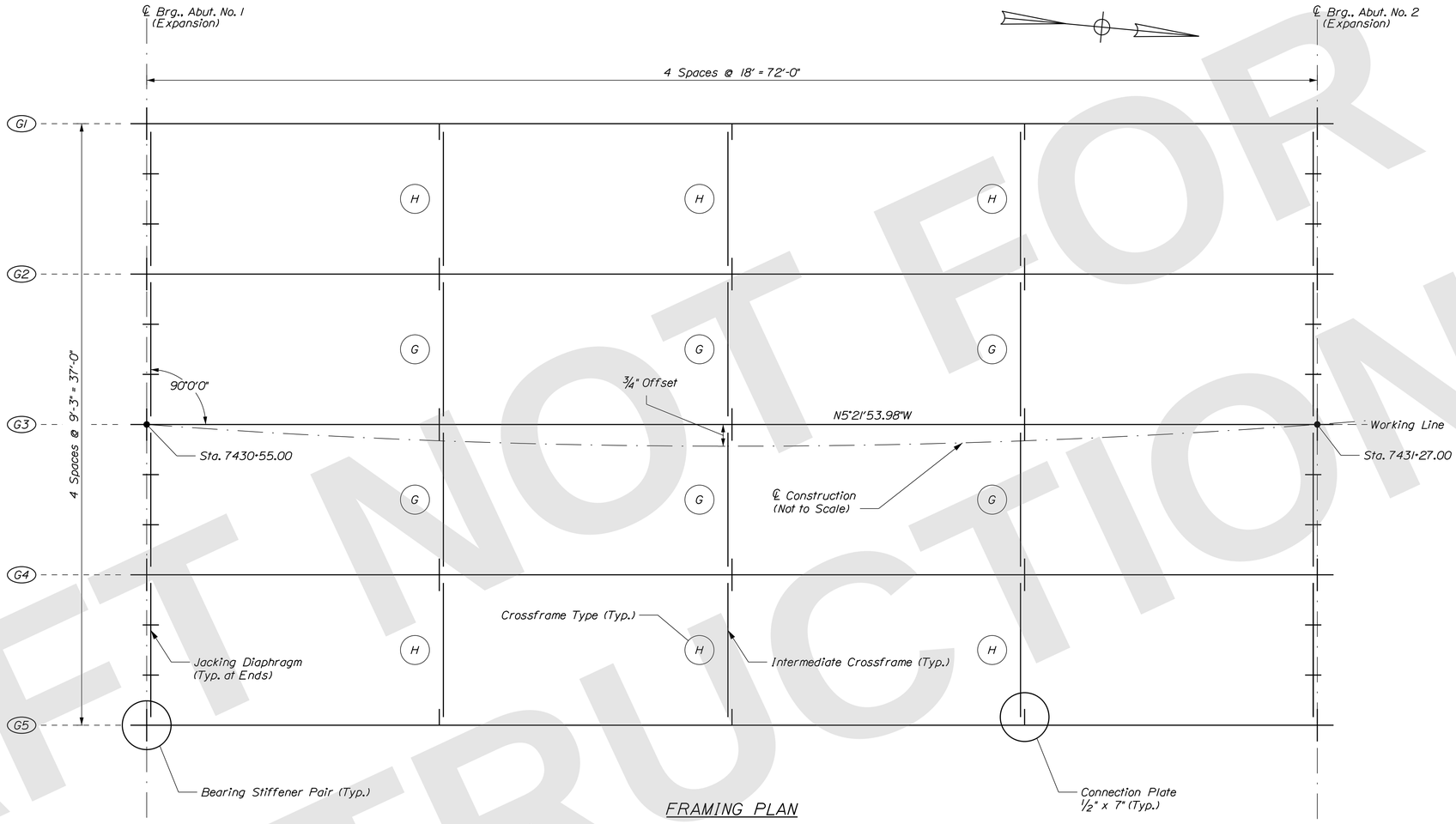
HENDERSON ROAD BRIDGE
OVER HENDERSON ROAD
PRESQUE ISLE AROOSTOOK COUNTY

BEARING DETAILS

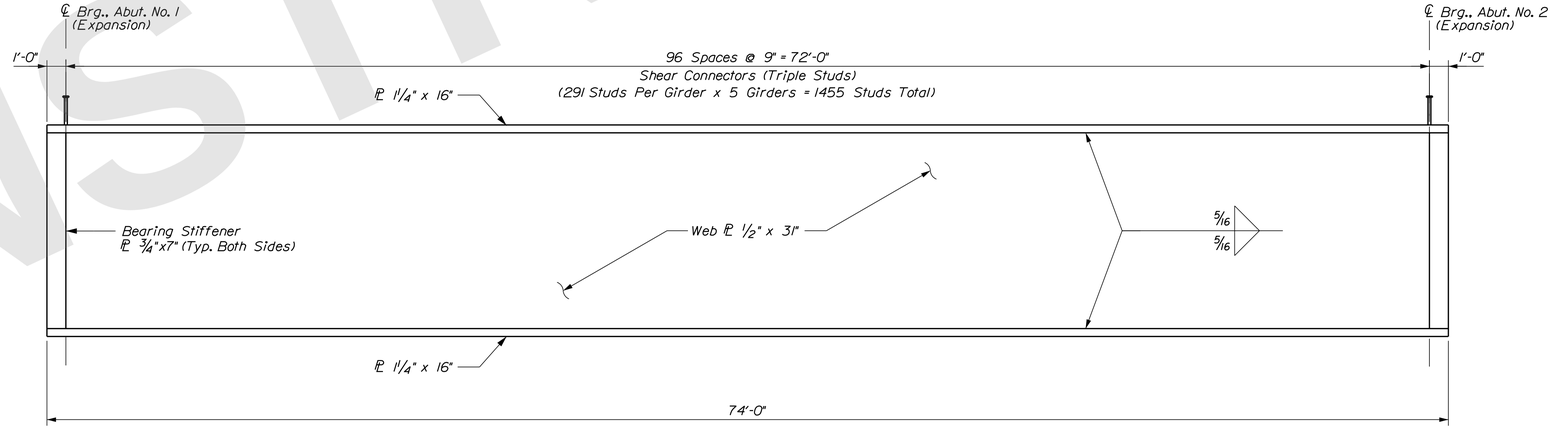
SHEET NUMBER
B-26
560
OF 747

Filename: ...\B22_Bearing_Details.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025

Filename: ...\B23_Framing_01.dgn Username: jamesdavis Division: HIGHWAY Date:9/2/2025



FRAMING PLAN



GIRDER ELEVATION

(Intermediate Diaphragm Connection Plates Not Shown)

STRUCTURAL STEEL NOTES

1. Camber ordinates, as shown, are computed to compensate for all dead load deflections and for the curvature of the finished grade profile.

2. No transverse butt weld splices will be allowed in the flange plates or web plates within 10 feet or 10 percent of the span length (whichever is greater) from the point of maximum positive moment. Butt weld splices in flanges shall be not less than one foot from transverse butt welds in the web plates and no transverse web or flange butt welds shall be located within one foot of other transverse welds (e.g. connection plates to web welds) on either flange or web. No transverse butt weld splices will be allowed in areas of stress reversal.

3. Sections of flange plates or web plates between transverse shop splices or between a transverse shop splice and a field splice shall be at least 20 feet in length unless otherwise shown on the plans.

4. Bearing stiffeners shall be plumb after erection and dead loading of the structure.

5. Crossframe connection plates may be either plumb or normal to the top flange.

6. All connection plate and stiffener welds shall be 5/16" fillet welds except 1/4" fillet welds may be used along the web of connection plates.

7. Structural steel was designed with a vertical construction live load of 50 psf and a lateral wind velocity during construction of 115 mph.

8. All bolts, nuts, and washers shall be Hot-Dipped Galvanized in accordance with ASTM A153.

9. Ends of girder webs shall be vertical under full dead load.

10. All structural steel including the girders, stiffeners, connection plates, crossframes shall be coated with Thermal Spray Coating in accordance with Standard Specifications Section 506, Shop Applied Protective Coating.

11. At the Contractor's option, the crossframes may be Hot-Dipped Galvanized in accordance with Standard Specifications Section 506, Shop Applied Protective Coating, as approved by the Resident. Payment will be considered incidental to Item 506.9104, Thermal Spray Coating (Shop Applied), no separate payment will be made.

12. All web plates and bottom flange plates are subject to tension or stress reversal.

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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 006462.92

BRIDGE NO. 6580

BRIDGE PLANS

vhb

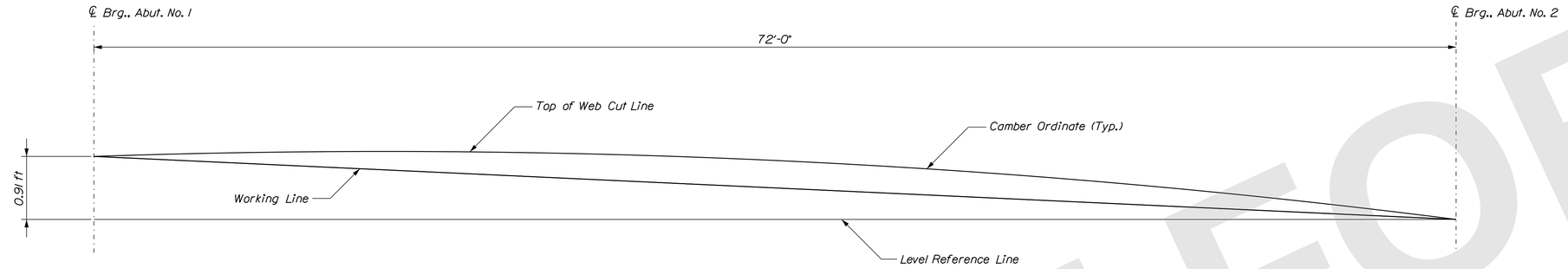
PROJ. MANAGER	R.M.
DESIGN-DETAILED	JAH
CHECKED-REVIEWED	ELW
DESIGN2-DETAILED2	
DESIGN3-DETAILED3	

	BY	DATE
REVISIONS 1	JAH	08/2025
REVISIONS 2	SMH	08/2025
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

HENDERSON ROAD BRIDGE
OVER HENDERSON ROAD
PRESQUE ISLE AROOSTOOK COUNTY

FRAMING PLAN & GIRDER ELEVATION

SHEET NUMBER
B-27
561
OF 747

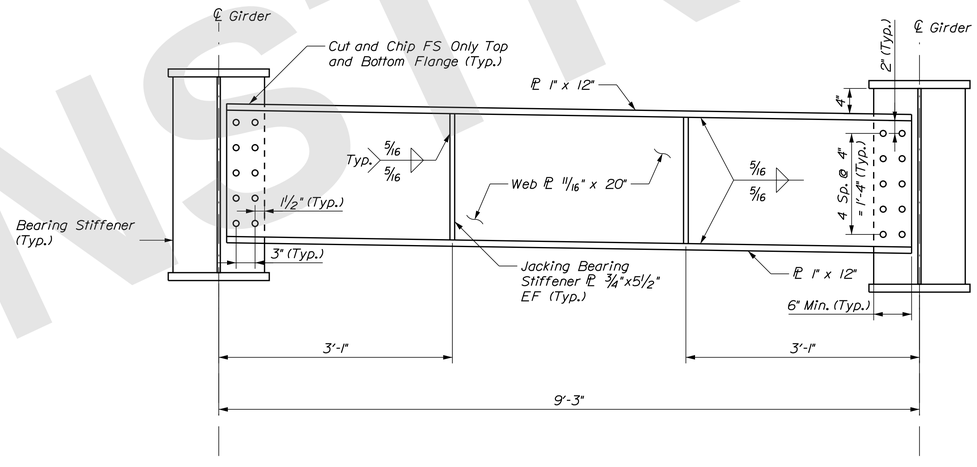


CAMBER DIAGRAM
All Girders

TABLE OF DEFLECTIONS (Inches)										
Girder	Description	℄ Brg., Abut. No. 1	9'	18'	27'	36'	45'	54'	63'	℄ Brg., Abut. No. 2
All Girders	Steel Self Weight	0.00	0.14	0.25	0.33	0.35	0.33	0.25	0.14	0.00
	Fluid Dead Load	0.00	0.66	1.22	1.58	1.71	1.58	1.22	0.66	0.00
	Superimposed Dead Load	0.00	0.17	0.31	0.40	0.43	0.40	0.31	0.17	0.00
	Total Load	0.00	0.97	1.77	2.31	2.49	2.31	1.77	0.97	0.00

BOTTOM OF SLAB ELEVATIONS (Feet)									
Girder	℄ Brg., Abut. No. 1	9'	18'	27'	36'	45'	54'	63'	℄ Brg., Abut. No. 2
G1	616.95	616.90	616.84	616.75	616.65	616.53	616.38	616.21	616.04
G2	617.14	617.09	617.03	616.96	616.86	616.73	616.58	616.41	616.22
G3	617.32	617.28	617.22	617.14	617.04	616.91	616.76	616.59	616.41
G4	617.14	617.09	617.03	616.96	616.86	616.73	616.58	616.41	616.22
G5	616.95	616.90	616.84	616.75	616.65	616.53	616.38	616.21	616.04

TABLE OF CAMBER ORDINATES "CO" (Inches)									
Girder	℄ Brg., Abut. No. 1	9'	18'	27'	36'	45'	54'	63'	℄ Brg., Abut. No. 2
All	0.00	0.97	1.77	2.31	2.49	2.31	1.77	0.97	0.00



JACKING DIAPHRAGM DETAIL

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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 006462.92

BRIDGE NO. 6580

BRIDGE PLANS

vhb

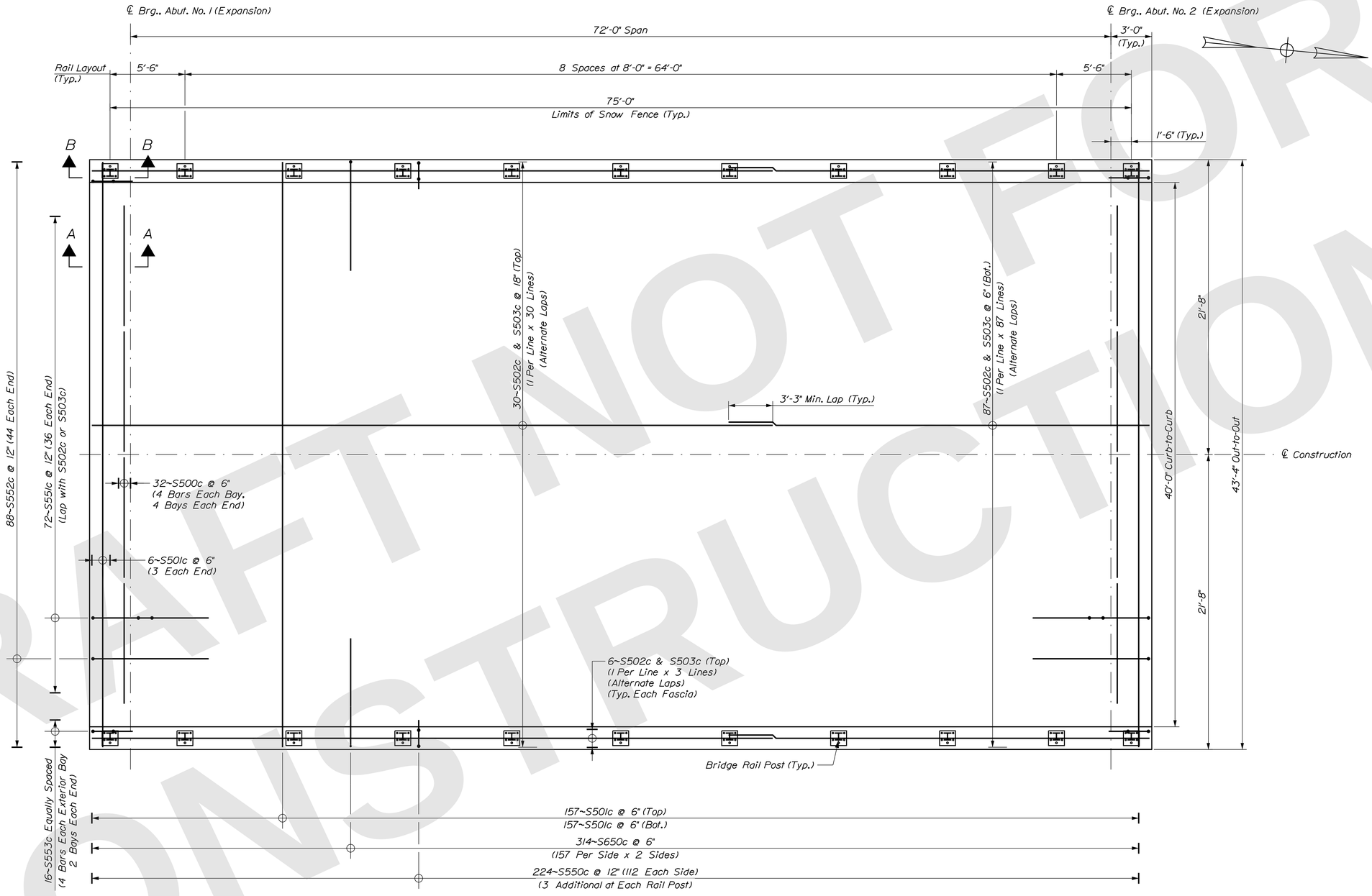
	R.M.	BY	DATE
PROJ. MANAGER			
DESIGN-DETAILED	JAH	JAH	08/2025
CHECKED-REVIEWED	ELW	SMH	08/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

HENDERSON ROAD BRIDGE
OVER HENDERSON ROAD
PRESQUE ISLE AROOSTOOK COUNTY

STEEL DETAILS

SHEET NUMBER
B-28
562
OF 747

Filename: ...\B24_Girder Details.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025



SUPERSTRUCTURE REINFORCING PLAN

(Bridge Rail and Snow Fence Not Shown for Clarity)

NOTE

1. See Superstructure Section and Deck End Details Sheet for Sections A-A and B-B.

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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 006462.92

BRIDGE NO. 6580

BRIDGE PLANS

vhb

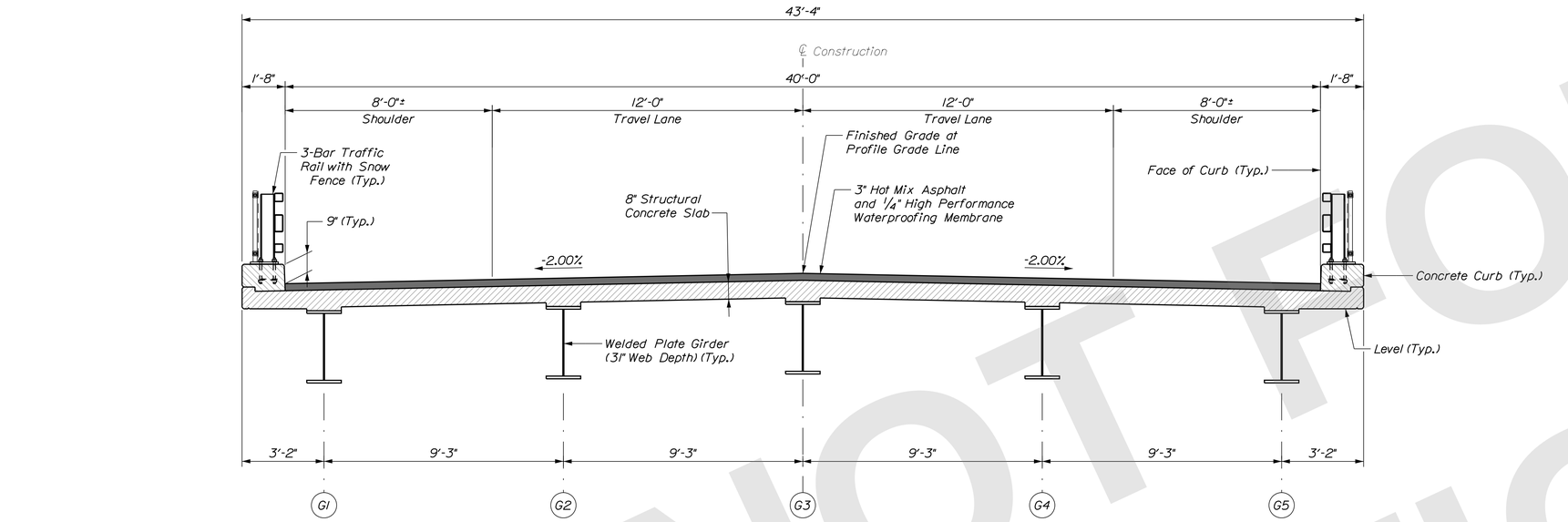
PROJ. MANAGER	R.M.	BY	DATE
DESIGN-DETAILED	JAH	JAH	08/2025
CHECKED-REVIEWED	ELW	SMH	08/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

HENDERSON ROAD BRIDGE
OVER HENDERSON ROAD
PRESQUE ISLE AROOSTOOK COUNTY

SUPERSTRUCTURE REINFORCING PLAN

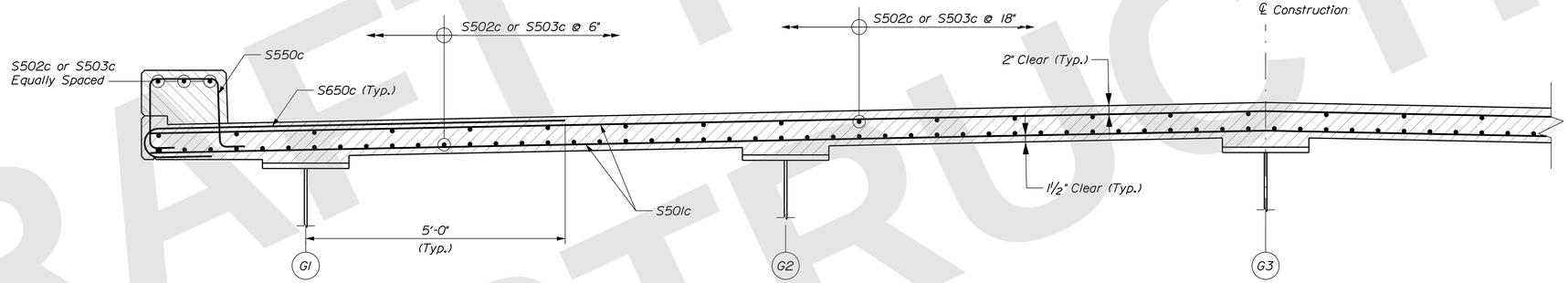
SHEET NUMBER
B-29
563
OF 747

Filename: ...\B25_SuperPlan_01.dgn Division: HIGHWAY Username: jomesdavis Date:9/2/2025

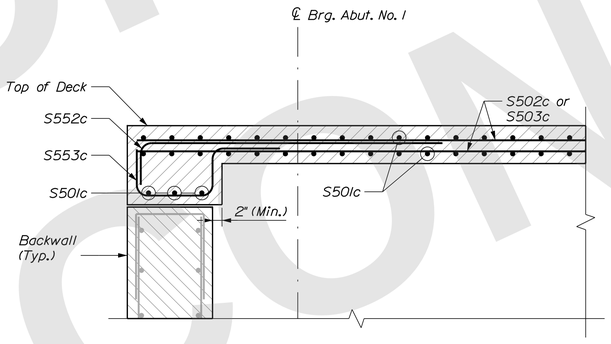


SUPERSTRUCTURE SECTION

(Superstructure Section is shown at Bearing Centerline of Abutment 1)
(Roadway Curvature Accommodated by Lane Striping Only)

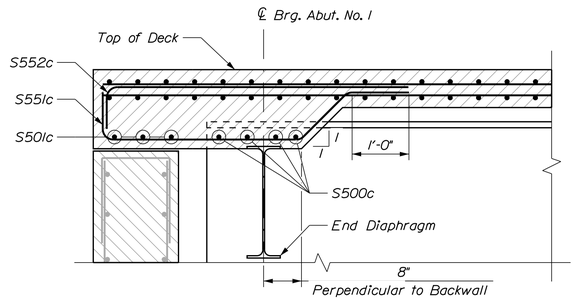


PARTIAL DECK REINFORCING SECTION



SECTION B-B

(Abutment No. 1 shown, Abutment No. 2 similar)
(Curb Not Shown for Clarity)



SECTION A-A

(Abutment No. 1 shown, Abutment No. 2 similar)

SUPERSTRUCTURE NOTES

1. The theoretical blocking used for design of the structure is 3 inches at the centerline of bearing of the abutments. Refer to Standard Detail 502(03) for blocking details.

2. Reinforcing steel shall have a minimum concrete cover of 2 inches unless otherwise noted.

3. Form a one inch V-groove on the fascias at the horizontal joint between the curb and slab.

4. The superstructure slab concrete shall be placed continuously and shall be kept plastic until the entire placement has been made.

5. Precast Concrete Deck Panels are not allowed on this project.

6. The Contractor shall stagger splice locations of longitudinal deck reinforcing.

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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 006462.92

BRIDGE NO. 6580

BRIDGE PLANS

vhb

	BY	DATE
R.M.	JAH	08/2025
	SMH	08/2025

PROJ. MANAGER	JAH
DESIGN-DETAILED	JAH
CHECKED-REVIEWED	ELW
DESIGN2-DETAILED2	
DESIGN3-DETAILED3	
REVISIONS 1	
REVISIONS 2	
REVISIONS 3	
REVISIONS 4	
FIELD CHANGES	

HENDERSON ROAD BRIDGE
OVER HENDERSON ROAD
PRESQUE ISLE AROOSTOOK COUNTY

SUPERSTRUCTURE SECTION AND DECK END DETAILS

SHEET NUMBER
B-30
564
OF 747

Filename: ...\B26_SuperSec_01.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025

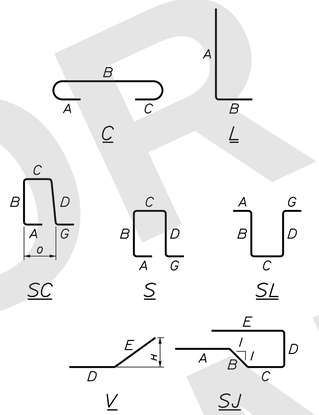
STRAIGHT BARS

MARK	QTY.	LENGTH	LOCATION	MARK	QTY.	LENGTH	LOCATION
			ABUTMENT 1				
A500c	47	17'-3"	Stem Horizontal	A708c	12	13'-6"	Wingwall Horizontal
A501c	47	27'-3"	Stem Horizontal	A800	45	17'-6"	Footing Transverse Top
A502	94	25'-1"	Stem Horizontal	A801	82	19'-9"	Wingwall Footing Transverse Top
A503	42	4'-3"	Stem Horizontal	A900	68	11'-0"	Wingwall Vertical
A504	52	2'-9"	Stem Horizontal				
A505c	179	11'-11"	Stem & Wingwall Vertical				
A506c	111	8'-10"	Stem Vertical				
A507	22	12'-11"	Wingwall Vertical				
A507c	22	12'-11"	Wingwall Vertical				
A508c	6	14'-9"	Wingwall Vertical				
A509c	6	12'-8"	Wingwall Vertical				
A510c	5	10'-10"	Wingwall Vertical				
A511c	5	8'-11"	Wingwall Vertical				
A512	5	7'-1"	Wingwall Vertical				
A512c	5	7'-1"	Wingwall Vertical				
A513	6	5'-2"	Wingwall Vertical				
A513c	6	5'-2"	Wingwall Vertical				
A514c	5	14'-10"	Wingwall Vertical				
A515c	5	12'-11"	Wingwall Vertical				
A516c	2	12'-1"	Wingwall Vertical				
A517	5	10'-2"	Wingwall Vertical				
A517c	5	10'-2"	Wingwall Vertical				
A518	6	8'-2"	Wingwall Vertical				
A518c	6	8'-2"	Wingwall Vertical				
A519	45	20'-8"	Wingwall Horizontal				
A520	45	11'-8"	Wingwall Horizontal				
A521	116	11'-11"	Wingwall Horizontal				
A521c	32	11'-11"	Wingwall Horizontal				
A522	7	20'-10"	Wingwall Horizontal				
A522c	7	20'-10"	Wingwall Horizontal				
A523	10	11'-10"	Wingwall Horizontal				
A523c	10	11'-10"	Wingwall Horizontal				
A524	1	2'-4"	Wingwall Horizontal				
A524c	1	2'-4"	Wingwall Horizontal				
A525	1	5'-0"	Wingwall Horizontal				
A525c	1	5'-0"	Wingwall Horizontal				
A526	1	7'-8"	Wingwall Horizontal				
A526c	1	7'-8"	Wingwall Horizontal				
A527	4	7'-7"	Wingwall Horizontal				
A527c	4	7'-7"	Wingwall Horizontal				
A528	4	10'-3"	Wingwall Horizontal				
A528c	4	10'-3"	Wingwall Horizontal				
A529	4	12'-11"	Wingwall Horizontal				
A529c	4	12'-11"	Wingwall Horizontal				
A530	6	16'-5"	Wingwall Horizontal				
A530c	6	16'-5"	Wingwall Horizontal				
A531	1	2'-2"	Wingwall Horizontal				
A531c	1	2'-2"	Wingwall Horizontal				
A532	1	4'-9"	Wingwall Horizontal				
A532c	1	4'-9"	Wingwall Horizontal				
A533	1	7'-3"	Wingwall Horizontal				
A533c	1	7'-3"	Wingwall Horizontal				
A534	4	7'-4"	Wingwall Horizontal				
A534c	4	7'-4"	Wingwall Horizontal				
A535	4	9'-10"	Wingwall Horizontal				
A535c	4	9'-10"	Wingwall Horizontal				
A536	4	11'-11"	Wingwall Horizontal				
A536c	4	11'-11"	Wingwall Horizontal				
A537c	28	25'-3"	Stem and Backwall Horizontal				
A538c	21	8'-11"	Bridge Seat Horizontal				
A539c	14	10'-2"	Bridge Seat Horizontal				
A540c	114	6'-1"	Stem and Backwall Vertical				
A541c	3	22'-3"	Wingwall Horizontal				
A542c	3	12'-8"	Wingwall Horizontal				
A600	23	17'-6"	Footing Transverse Bot.				
A601	43	19'-9"	Wingwall Footing Transverse Bot.				
A602	80	22'-9"	Footing Long. Top & Bot.				
A603	16	24'-6"	Wingwall Footing Long. Top & Bot.				
A604	24	27'-0"	Wingwall Footing Long. Top & Bot.				
A605	10	29'-8"	Wingwall Footing Long. Top & Bot.				
A606	16	15'-6"	Wingwall Footing Long. Top & Bot.				
A607	24	18'-0"	Wingwall Footing Long. Top & Bot.				
A608	10	20'-8"	Wingwall Footing Long. Top & Bot.				
A609	36	17'-0"	Footing Transverse Top & Bot.				
A610	32	12'-0"	Footing Transverse Top & Bot.				
A700	98	11'-10"	Stem Vertical				
A701	11	12'-9"	Wingwall Vertical				
A702	11	10'-8"	Wingwall Vertical				
A703	10	8'-10"	Wingwall Vertical				
A704	10	6'-11"	Wingwall Vertical				
A705	10	12'-10"	Wingwall Vertical				
A706	10	10'-11"	Wingwall Vertical				
A707	4	10'-1"	Wingwall Vertical				
MARK	QTY.	LENGTH	LOCATION	MARK	QTY.	LENGTH	LOCATION

BENT BARS

MARK	QTY.	LENGTH	TYPE	A	B	C	D	E	F	G	H	O	R	LOCATION
							ABUTMENT 1							
A550	100	5'-6"	S	0'-0"	1'-0"	3'-6"	1'-0"			0'-0"				Footing U-Bar
A551	179	8'-6"	L	7'-8"	0'-10"									Footing Vertical L-Bar
A552c	94	6'-10"	V				5'-10"	1'-0"			0'-9"			Stem Horizontal
A553	40	5'-0"	L	2'-6"	2'-6"									Approach Slab L-Bar
A554	42	3'-6"	S	0'-0"	1'-0"	1'-6"	1'-0"			0'-0"				Wingwall Side U-Bar
A554c	32	3'-6"	S	0'-0"	1'-0"	1'-6"	1'-0"			0'-0"				Wingwall Side U-Bar
A555	42	5'-9"	S	0'-0"	1'-0"	3'-9"	1'-0"			0'-0"				Wingwall Transition Side U-Bar
A556c	111	6'-3"	L	3'-9"	2'-6"									Stem Vertical
A557c	98	11'-1"	L	8'-3"	2'-10"									Stem Vertical
A558c	24	4'-3"	L	3'-3"	1'-0"									Stem Vertical
A559c	18	4'-8"	S	0'-0"	1'-7"	1'-6"	1'-7"			0'-0"				Stem Horizontal
A560c	18	2'-8"	V				2'-0"	0'-8"			0'-6"			Stem Horizontal
A561c	8	4'-9"	S	0'-0"	1'-6"	1'-0"	2'-3"			0'-0"				Stem Horizontal
A562c	45	3'-2"	S	0'-0"	1'-0"	1'-2"	1'-0"			0'-0"				Backwall Vertical
A563c	78	7'-6"	S	0'-0"	3'-0"	1'-6"	3'-0"			0'-0"				Wingwall Top U-Bar
A750	82	9'-5"	L	5'-8"	3'-9"									Wingwall Vertical L-Bar
A950	164	13'-3"	L	11'-8"	1'-7"									Footing Vertical L-Bar
MARK	QTY.	LENGTH	TYPE	A	B	C	D	E	F	G	H	O	R	LOCATION

TYPE - BENDING DIAGRAMS



All dimensions are out-to-out of bar.

Bending details and hooks shall conform to the recommendations of the current revision of ACI Standard 315 and ACI Standard 318.

Reinforcing Bar: ASTM A615, Grade 60
ASTM A1035, Type CS, Grade 100

GENERAL NOTES

1. The first two digits following the letter(s) of the mark indicate the size of the bar:

   Mark "A502" = bar size #5
   Mark "B805" = bar size #8
   Mark "S650" = bar size #6

2. Bar Marks ending in a letter indicate the following:

   c = Low Carbon Chromium

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 006462.92

BRIDGE NO. 6580

BRIDGE PLANS

vhb

PROJ. MANAGER	R.M.	
DESIGN-DETAILED	JAH	08/2025
CHECKED-REVIEWED	YP	08/2025
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

HENDERSON ROAD BRIDGE
OVER HENDERSON ROAD
PRESQUE ISLE AROOSTOOK COUNTY

REINFORCING SCHEDULE (1 OF 2)

SHEET NUMBER
B-31
565
OF 747

DRAFT NOT FOR CONSTRUCTION

Username: jamesdavis
Division: HIGHWAY
Filename: ...\XXX_Reinf_Sched.dgn
Date:9/2/2025

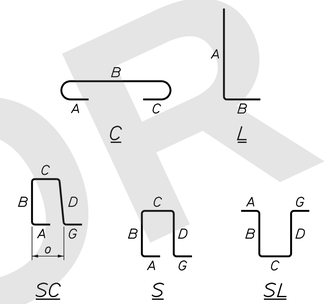
STRAIGHT BARS

MARK	QTY.	LENGTH	LOCATION	MARK	QTY.	LENGTH	LOCATION
			ABUTMENT 2				
B500c	45	17'-3"	Stem Horizontal	B705	11	11'-11"	Wingwall Vertical
B501c	45	27'-3"	Stem Horizontal	B706	11	9'-11"	Wingwall Vertical
B502	90	25'-1"	Stem Horizontal	B707	11	7'-10"	Wingwall Vertical
B503	42	4'-3"	Stem Horizontal	B708	11	5'-10"	Wingwall Vertical
B504	48	2'-9"	Stem Horizontal	B709c	12	13'-7"	Wingwall Horizontal
B505c	189	11'-11"	Stem & Wingwall Vertical	B800	45	17'-6"	Footing Transverse Top
B506c	111	7'-11"	Stem Vertical	B801	92	19'-9"	Wingwall Footing Transverse Top
B507	22	12'-11"	Wingwall Vertical	B900	78	11'-0"	Wingwall Vertical
B507c	22	12'-11"	Wingwall Vertical				SUPERSTRUCTURE
B508c	5	13'-10"	Wingwall Vertical	S500c	32	8'-10"	Transverse Bar
B509c	5	11'-9"	Wingwall Vertical	S501c	320	43'-0"	Transverse Bar, Various
B510c	3	10'-7"	Wingwall Vertical	S502c	123	50'-0"	Longitudinal Bar, Various
B511c	3	9'-4"	Wingwall Vertical	S503c	123	30'-11"	Longitudinal Bar, Various
B512	5	7'-3"	Wingwall Vertical				APPROACH SLAB
B512c	5	7'-3"	Wingwall Vertical	AS501	32	38'-6"	Approach Slab
B513	6	5'-2"	Wingwall Vertical	AS601	156	15'-2"	Approach Slab
B513c	6	5'-2"	Wingwall Vertical				
B514c	6	13'-11"	Wingwall Vertical				
B515c	6	11'-11"	Wingwall Vertical				
B516c	6	9'-10"	Wingwall Vertical				
B517c	6	7'-10"	Wingwall Vertical				
B518	5	6'-0"	Wingwall Vertical				
B518c	5	6'-0"	Wingwall Vertical				
B519	6	4'-2"	Wingwall Vertical				
B519c	6	4'-2"	Wingwall Vertical				
B520	45	15'-8"	Wingwall Horizontal				
B521	45	21'-8"	Wingwall Horizontal				
B522	108	11'-11"	Wingwall Horizontal				
B522c	24	11'-11"	Wingwall Horizontal				
B523	7	15'-10"	Wingwall Horizontal				
B523c	7	15'-10"	Wingwall Horizontal				
B524	6	21'-10"	Wingwall Horizontal				
B524c	6	21'-10"	Wingwall Horizontal				
B525	1	2'-1"	Wingwall Horizontal				
B525c	1	2'-1"	Wingwall Horizontal				
B526	1	4'-6"	Wingwall Horizontal				
B526c	1	4'-6"	Wingwall Horizontal				
B527	1	6'-11"	Wingwall Horizontal				
B527c	1	6'-11"	Wingwall Horizontal				
B528	4	7'-0"	Wingwall Horizontal				
B528c	4	7'-0"	Wingwall Horizontal				
B529	4	9'-5"	Wingwall Horizontal				
B529c	4	9'-5"	Wingwall Horizontal				
B530	4	11'-10"	Wingwall Horizontal				
B530c	4	11'-10"	Wingwall Horizontal				
B531	4	13'-11"	Wingwall Horizontal				
B531c	4	13'-11"	Wingwall Horizontal				
B532	1	2'-4"	Wingwall Horizontal				
B532c	1	2'-4"	Wingwall Horizontal				
B533	1	5'-1"	Wingwall Horizontal				
B533c	1	5'-1"	Wingwall Horizontal				
B534	1	7'-10"	Wingwall Horizontal				
B534c	1	7'-10"	Wingwall Horizontal				
B535	4	7'-9"	Wingwall Horizontal				
B535c	4	7'-9"	Wingwall Horizontal				
B536	4	10'-6"	Wingwall Horizontal				
B536c	4	10'-6"	Wingwall Horizontal				
B537	4	13'-3"	Wingwall Horizontal				
B537c	4	13'-3"	Wingwall Horizontal				
B538	6	16'-11"	Wingwall Horizontal				
B538c	6	16'-11"	Wingwall Horizontal				
B539c	28	25'-3"	Stem and Backwall Horizontal				
B540c	21	8'-11"	Bridge Seat Horizontal				
B541c	14	10'-2"	Bridge Seat Horizontal				
B542c	114	6'-1"	Stem and Backwall Vertical				
B543c	3	17'-1"	Wingwall Horizontal				
B544c	3	23'-3"	Wingwall Horizontal				
B600	23	17'-6"	Footing Transverse Bot.				
B601	48	19'-9"	Wingwall Footing Transverse Bot.				
B602	80	22'-9"	Footing Long. Top & Bot.				
B603	16	19'-6"	Wingwall Footing Long. Top & Bot.				
B604	24	22'-0"	Wingwall Footing Long. Top & Bot.				
B605	10	24'-8"	Wingwall Footing Long. Top & Bot.				
B606	16	25'-6"	Wingwall Footing Long. Top & Bot.				
B607	24	28'-0"	Wingwall Footing Long. Top & Bot.				
B608	10	30'-8"	Wingwall Footing Long. Top & Bot.				
B609	36	17'-0"	Footing Transverse Top & Bot.				
B610	32	12'-0"	Footing Transverse Top & Bot.				
B700	98	11'-10"	Stem Vertical				
B701	10	11'-10"	Wingwall Vertical				
B702	10	9'-9"	Wingwall Vertical				
B703	6	8'-7"	Wingwall Vertical				
B704	6	7'-4"	Wingwall Vertical				
MARK	QTY.	LENGTH	LOCATION	MARK	QTY.	LENGTH	LOCATION

BENT BARS

MARK	QTY.	LENGTH	TYPE	A	B	C	D	E	F	G	H	O	R	LOCATION
							ABUTMENT 2							
B550	105	5'-6"	S	0'-0"	1'-0"	3'-6"	1'-0"			0'-0"				Footing U-Bar
B551	189	8'-6"	L	7'-8"	0'-10"									Footing Vertical L-Bar
B552c	90	6'-10"	V				5'-10"	1'-0"			0'-9"			Stem Horizontal
B553	40	5'-0"	L	2'-6"	2'-6"									Approach Slab L-Bar
B554	42	3'-6"	S	0'-0"	1'-0"	1'-6"	1'-0"			0'-0"				Wingwall Side U-Bar
B554c	24	3'-6"	S	0'-0"	1'-0"	1'-6"	1'-0"			0'-0"				Wingwall Side U-Bar
B555	42	5'-9"	S	0'-0"	1'-0"	3'-9"	1'-0"			0'-0"				Wingwall Transition Side U-Bar
B556c	111	6'-3"	L	3'-9"	2'-6"									Stem Vertical
B557c	98	10'-2"	L	7'-4"	2'-10"									Stem Vertical
B558c	24	4'-3"	L	3'-3"	1'-0"									Stem Vertical
B559c	18	4'-8"	S	0'-0"	1'-7"	1'-6"	1'-7"			0'-0"				Stem Horizontal
B560c	18	2'-8"	V				2'-0"	0'-8"			0'-6"			Stem Horizontal
B561c	8	4'-9"	S	0'-0"	1'-6"	1'-0"	2'-3"			0'-0"				Stem Horizontal
B562c	45	3'-2"	S	0'-0"	1'-0"	1'-2"	1'-0"			0'-0"				Backwall Vertical
B563c	84	7'-6"	S	0'-0"	3'-0"	1'-6"	3'-0"			0'-0"				Wingwall Top U-Bar
B750	92	9'-5"	L	5'-8"	3'-9"									Wingwall Vertical L-Bar
B950	174	13'-3"	L	11'-8"	1'-7"									Footing Vertical L-Bar
							SUPERSTRUCTURE							
S550c	224	5'-3"	SC	0'-10"	1'-2"	1'-3"	1'-2"			0'-10"		1'-4"		Curb Stirrup
S551c	72	6'-5"	SJ	1'-0"	1'-3"	3'-4"	0'-10"	0'-0"						Interior Deck End, Bot.
S552c	88	6'-4"	L	0-10"	5'-6"									Ext. & Int. Deck end, Top
S553c	16	3'-11"	SL	0'-0"	0'-10"	1'-4"	0'-9"			1'-0"				Ext. Deck End, Bot.
S650c	314	8'-8"	C	0'-8"	8'-0"	0'-0"								Overhang Bar

TYPE - BENDING DIAGRAMS



All dimensions are out-to-out of bar.

Bending details and hooks shall conform to the recommendations of the current revision of ACI Standard 315 and ACI Standard 318.

Reinforcing Bar: ASTM A615, Grade 60
ASTM A1035, Type CS, Grade 100

GENERAL NOTES

1. The first two digits following the letter(s) of the mark indicate the size of the bar:

   Mark "A502" = bar size #5
   Mark "B805" = bar size #8
   Mark "S650" = bar size #6

2. Bar Marks ending in a letter indicate the following:

   c = Low Carbon Chromium

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

BRIDGE PLANS

WIN 006462.92

BRIDGE NO. 6580

vhb

PROJ. MANAGER	R.M.	DATE
DESIGN-DETAILED	JAH	08/2025
CHECKED-REVIEWED	YP	08/2025
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

HENDERSON ROAD BRIDGE
OVER HENDERSON ROAD
PRESQUE ISLE AROOSTOOK COUNTY

REINFORCING SCHEDULE (2 OF 2)

SHEET NUMBER
B-32
566
OF 747

Filename: ...\XXX_Reinf_Sched2.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025

PRELIMINARY NOT FOR CONSTRUCTION

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

SPECIFICATIONS

Design: Load and Resistance Factor Design per AASHTO LRFD Bridge Design Specifications, Ninth Edition 2020.

DESIGN LOADING

Live Load ..... HL - 93 Modified for Strength I

TRAFFIC DATA

Current (2026) AADT	4330
Future (2046) AADT	4760
DHV - % of AADT	9%
Design Hour Volume	428
% Heavy Trucks (AADT)	11%
% Heavy Trucks (DHV)	11%
Directional Distribution (% of DHV)	51%
18 kip Equivalent P 2.0	567
18 kip Equivalent P 2.5	540
Design Speed (mph)	55

MATERIALS

Concrete:	
Fill	"Fill"
All Other	Class "A"
Reinforcing:	
Plain Reinforcing Steel	ASTM A615, Grade 60
Low-Carbon Chromium Steel:	ASTM A1035, Type CS, Grade 100
Structural Steel:	
All Material (except as noted)	ASTM A709, Grade 50
High Strength Bolts	ASTM F3125, Grade A325, Type 1

BASIC DESIGN STRESSES

Concrete:	
Class "A"	f 'c = 4,000 psi
Reinforcing:	
Plain Reinforcing Steel	f y = 60,000 psi
Low-Carbon Chromium Steel:	f y = 100,000 psi
Structural Steel:	
ASTM A709, Grade 50	F y = 50,000 psi
ASTM F3125, Grade A325	F μ = 120,000 psi

PRESQUE ISLE
AROOSTOOK COUNTY
MAINE NORTHERN RAILWAY
BRIDGE
OVER
MAINE NORTHERN RAILWAY
PRESQUE ISLE BYPASS
BRIDGE NO. 6581

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PROJECT LOCATION:	Maine Northern Railway Bridge (#6581); Presque Isle Bypass over Maine Northern Railway Lat./Long. 46°37'54.57" N 67°57'36.22" W
PROGRAM AREA:	Highway
OUTLINE OF WORK:	New bridge construction

DRAFT NOT FOR CONSTRUCTION

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
APPROVED | DATE
COMMISSIONER:
CHIEF ENGINEER:

PROJECT INFORMATION

PROGRAM	HIGHWAY		
PROJECT MANAGER	L. ROWE		
DESIGNER	E. WALTON		
CONSULTANT	VHB		
PROJECT RESIDENT			
CONTRACTOR			
PROJECT COMPLETION DATE			

WIN 006462.92
HPP-6462(920)

PRESQUE ISLE
MAINE NORTHERN RAILWAY BRIDGE

TITLE SHEET

SHEET NUMBER
B-33
567
OF 747

Username: jamesdavis Date:9/2/2025
Division: HIGHWAY
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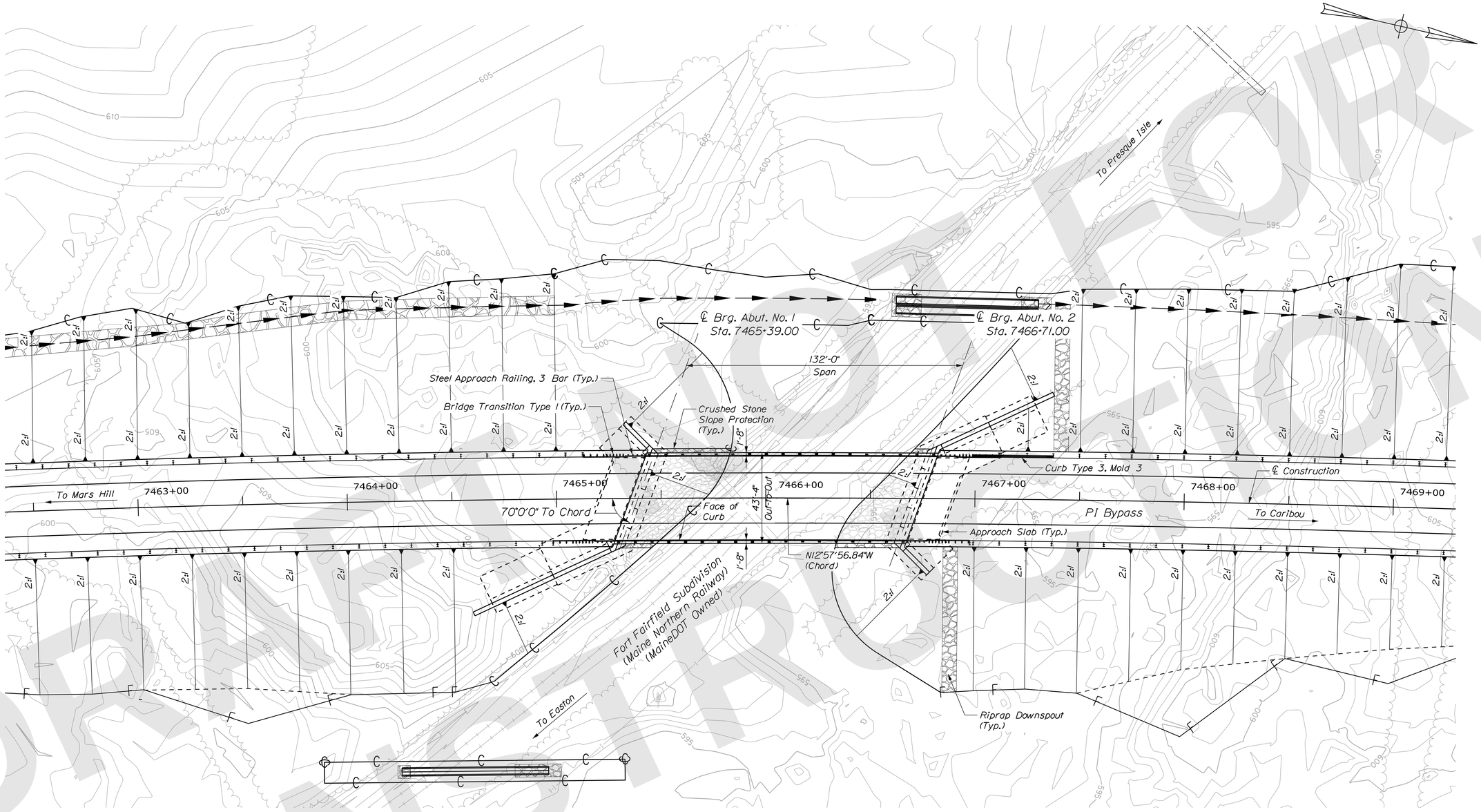

PLAN

25 0 25 50

Scale of Feet

GENERAL CONSTRUCTION NOTES

1. For additional information and General Notes, refer to Highway Plans.

2. All utility facilities shall be adjusted by their respective utilities.

3. Place a 24 inch wide strip of Temporary Erosion Control Blanket on the sideslopes along the berm and behind the wingwalls.

4. Extended-use Erosion Control Blanket, seeded gutters, riprap downspouts, and other gutters lined with Stone Ditch Protection shall be constructed after paving and shoulder work is completed, where it is apparent that runoff will cause continual erosion. Payment will be made under the appropriate Contract items.

5. Protective Coating for Concrete Surfaces shall be applied to the following areas:

All exposed surfaces of concrete curbs.
Fascias down to the drip notch.
All exposed abutment and wingwall faces.
Top of wingwalls and to one foot below the ground of vertical walls.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN **006462.92**

BRIDGE NO. 6581

BRIDGE PLANS

vhb

	R.M.	DATE
PROJ. MANAGER		
DESIGN-DETAILED	JEP	08/2025
CHECKED-REVIEWED	ELW	08/2025
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

MAINE NORTHERN RAILWAY BRIDGE
OVER MAINE NORTHERN RAILWAY
PRESQUE ISLE AROOSTOOK COUNTY

BRIDGE PLAN

SHEET NUMBER
B-34
568
OF 747

PRELIMINARY NOT FOR CONSTRUCTION

Filename: B15_GenPlan.dgn Division: HIGHWAY Username: jomesdavis Date:9/2/2025

Filename: ...\Montreal RR\xx2_profile_01.dgn Username: jamesdavis Division: HIGHWAY Date:9/2/2025

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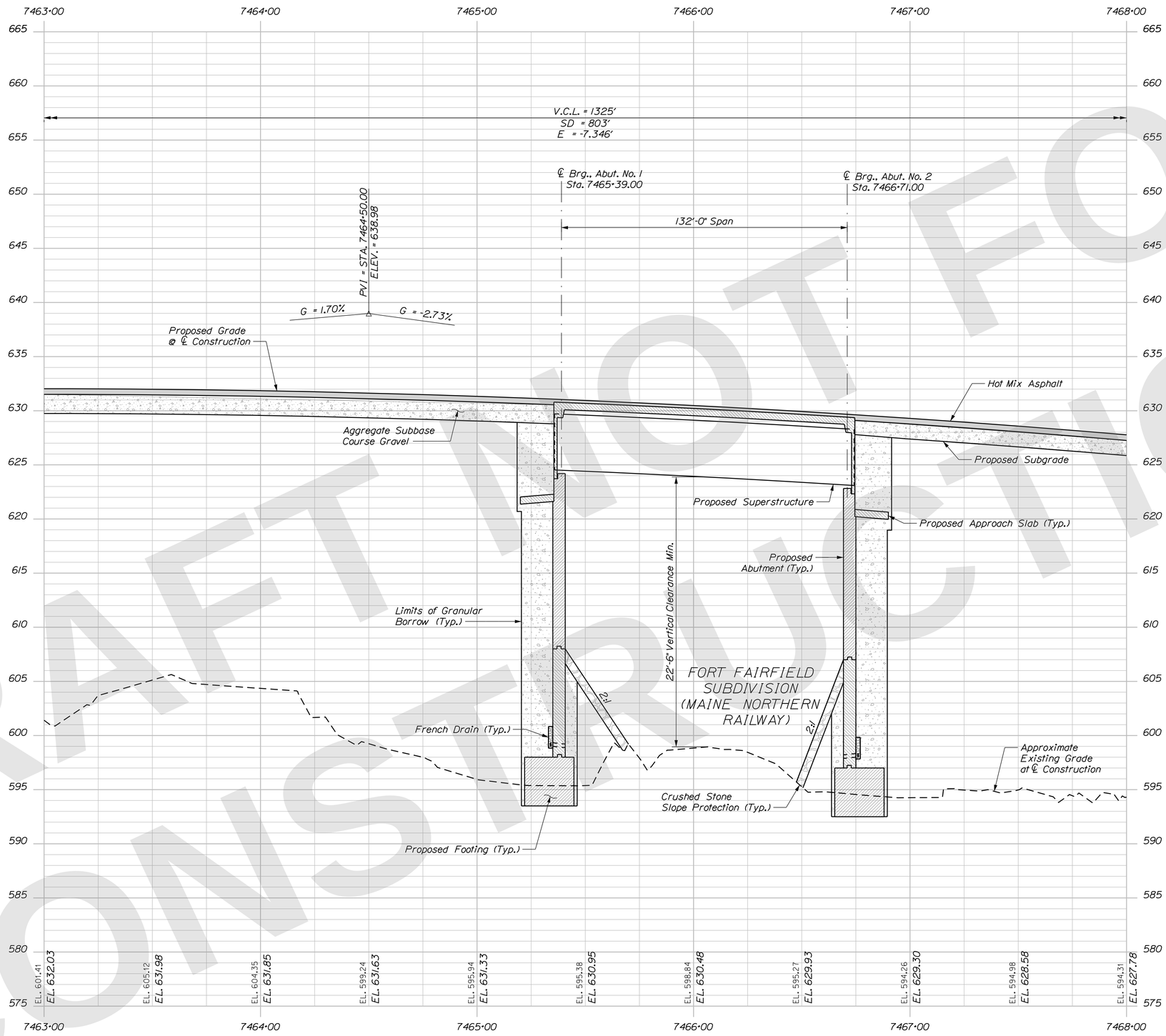


PROFILE

Horiz. 25 0 25 50

Vert. 5 0 5 10

Scale of Feet

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 006462.92

BRIDGE NO. 6581

BRIDGE PLANS

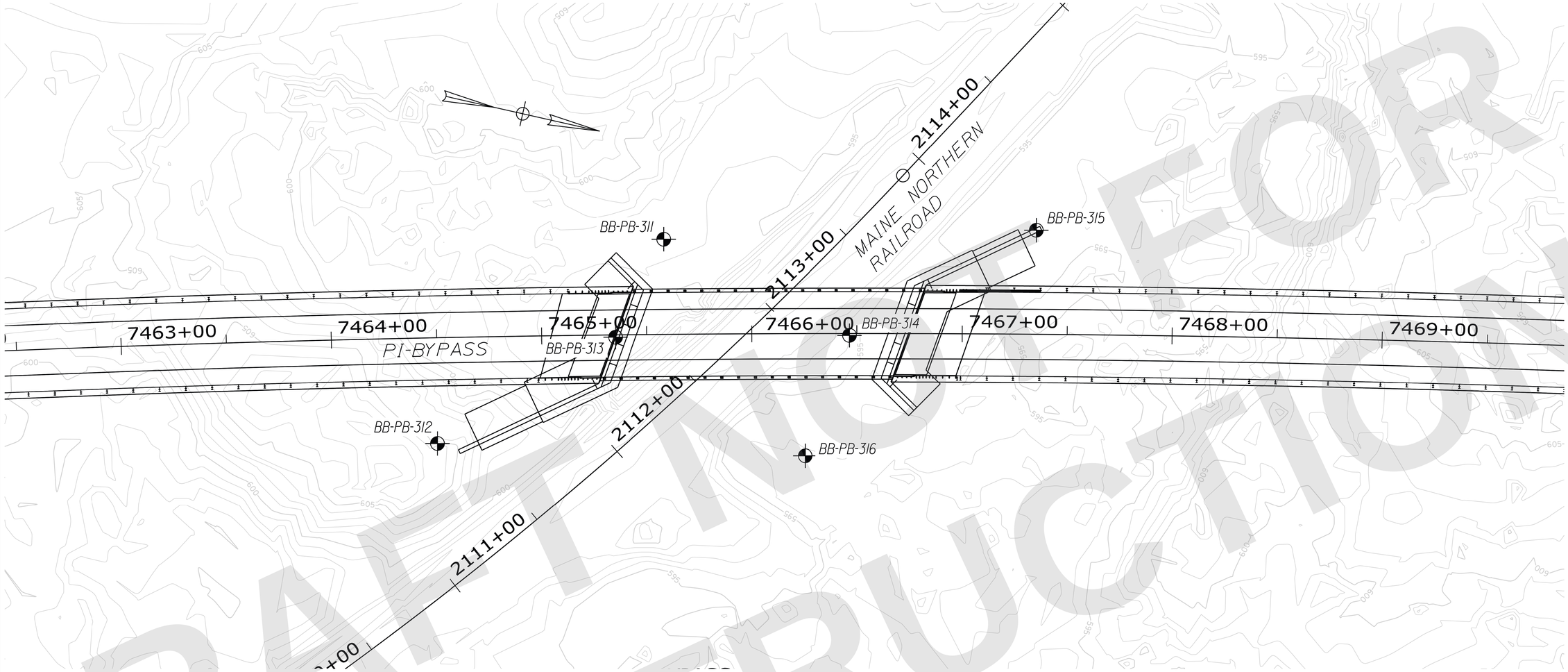
vhb

	R.M.	BY	DATE
PROJ. MANAGER			
DESIGN-DETAILED	JEP	JAH	08/2025
CHECKED-REVIEWED	ELW	SMH	08/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

MAINE NORTHERN RAILWAY BRIDGE
OVER MAINE NORTHERN RAILWAY
PRESQUE ISLE AROOSTOOK COUNTY

BRIDGE PROFILE

SHEET NUMBER
B-35
569
OF 747



NOTES

1) Base map developed from electronic files (Contours.dgn, Alignments.dgn, and Highway.dgn) provided by VHB on July 14, 2025.

2) The as-drilled locations of the BB-PB-300 series test borings were surveyed and provided by MaineDOT in an electronic file (Borings.dgn) on September 5, 2019.

BORING LOCATION PLAN LEGEND

BB-PB-316 — Location and designation of BB-PB-300 series borings performed by New England Boring Contractors of Hermon, Maine between August 20 and August 26, 2015 and observed by GZA personnel.

PLAN

25 0 25 50

Scale in Feet

PREPARED BY:

GZA

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 006462.92

BRIDGE NO. 6581

BRIDGE PLANS

PROJ. MANAGER	R.M.	
DESIGN-DETAILED	B.C.	E.T.
CHECKED-REVIEWED	A.B.	C.S.
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		7/2025
REVISIONS 2		7/2025
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

MAINE NORTHERN RAILWAY BRIDGE
OVER MAINE NORTHERN RAILWAY
PRESQUE ISLE, ME AROOSTOOK COUNTY

BORING LOCATION PLAN

SHEET NUMBER

B-36

570

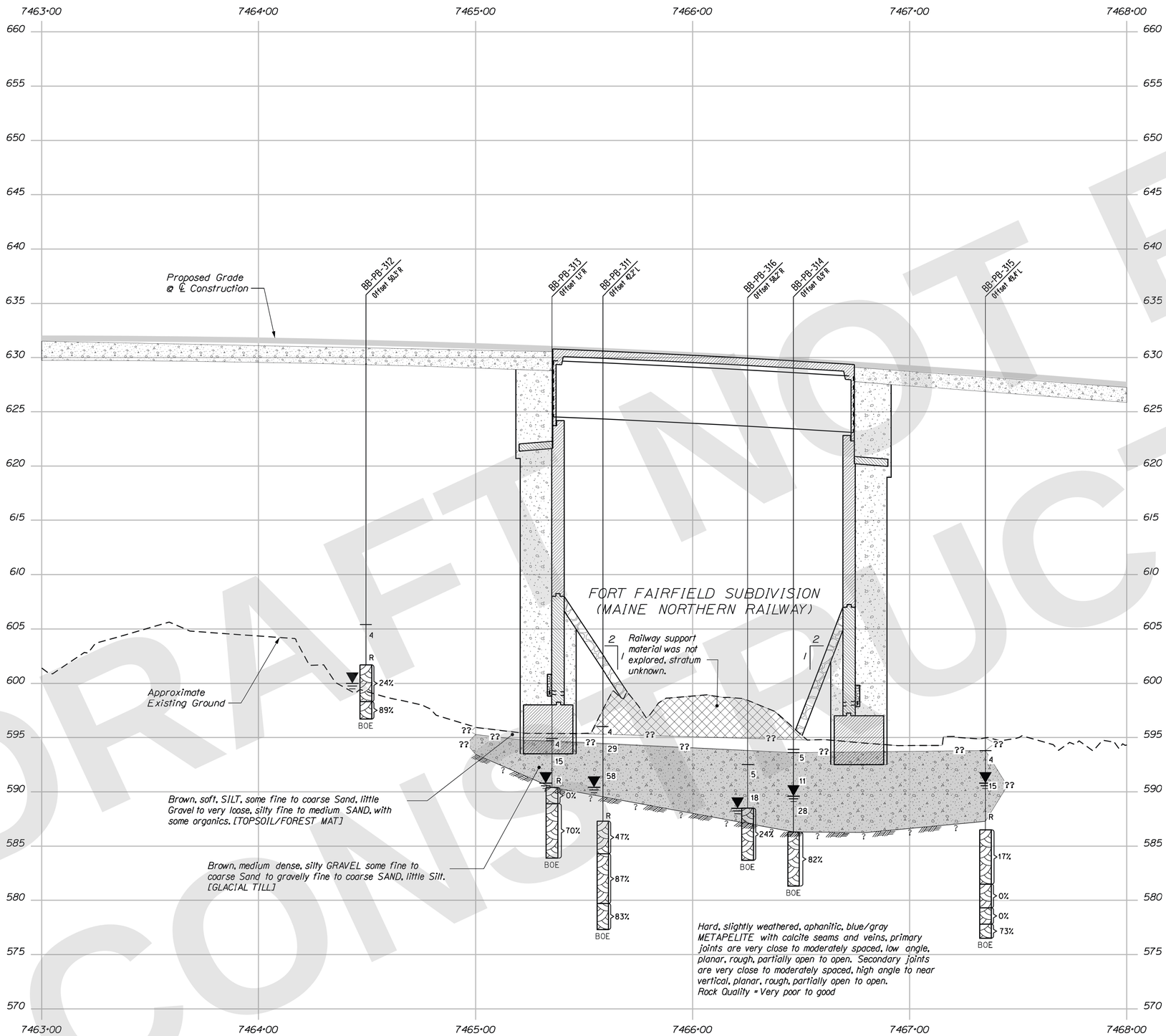
OF 747

Division: HIGHWAY
Filename: ...\Railroad_BLP\Railroad_BLP.dgn

Date:7/29/2025
Username: BMC

DRAFT NOT FOR CONSTRUCTION

Filename: ...\z_Montreal_ISP 7.23.25.dgn Username: common Division: HIGHWAY Date:7/29/2025



INTERPRETIVE SUBSURFACE PROFILE

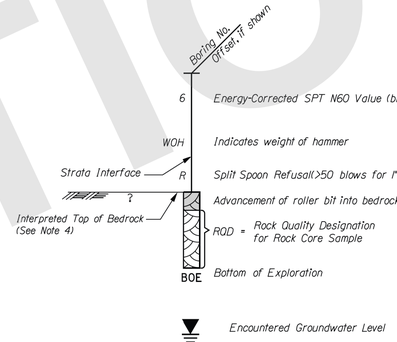
NOTES

1) Profile map developed from electronic files provided by VHB on July 14, 2025 (z_Montreal_Profile.dgn).

2) The as-drilled locations of the BB-PB-300 series test borings were surveyed and provided by MaineDOT in an electronic file (Borings.dgn) on September 5, 2019.

3) Top of rock is defined using either split spoon refusal prior to identification of bedrock by roller bit or coring, top of rock surface was interpolated to represent anticipated conditions at the baseline.

4) This generalized interpretive soil and rock profile is intended to convey trends in subsurface conditions. The boundaries between strata are approximate and idealized, and have been developed by interpretations of widely spaced explorations and samples. Actual soil and rock transitions may vary and are probably more erratic. For more specific information refer to the exploration logs.



PROFILE

Horiz. 25 0 25 50

Vert. 5 0 5 10

Scale of Feet

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN **006462.92**

BRIDGE PLANS

BRIDGE NO. 6581

PROJ. MANAGER	R.M.
DESIGN-DETAILED	B.C.
CHECKED-REVIEWED	A.B.
DESIGN2-DETAILED2	
DESIGN3-DETAILED3	
REVISIONS 1	
REVISIONS 2	
REVISIONS 3	
REVISIONS 4	
FIELD CHANGES	

BY	DATE
E.T.	7/2025
C.S.	7/2025

MAINE NORTHERN RAILWAY BRIDGE
OVER MAINE NORTHERN RAILWAY
PRESQUE ISLE AROOSTOOK COUNTY

INTERPRETIVE SUBSURFACE PROFILE

SHEET NUMBER

B-37

571

OF 747

DRAFT NOT FOR CONSTRUCTION

Date:7/29/2025

Username: common

Division: HIGHWAY

Filename: ...\Boring Logs sheets.dgn

Maine Department of Transportation

Soil/Rock Exploration Log

US CUSTOMARY UNITS

Project: Presque Isle Bypass - Segment 1 09.0025832.03
Location: Presque Isle, Maine

Boring No.: BB-PB-312
WIN: 6462.92

Driller:	New England Boring	Elevation (ft.):	605.4	Auger ID/OD:	**
Operator:	Mike Porter	Datum:	NAVD 88	Sampler:	Split Spoon
Logged By:	Blaine Cordell	Rig Type:	Mobile Track	Hammer Wt./Fall:	140/30
Date Start/Finish:	8/20/15-8/20/15	Drilling Method:	Cased	Core Barrel:	NQ
Boring Location:	N702037.5, E2275298.5	Casing ID/OD:	3"	Water Level *:	5.7'
Hammer Efficiency Factor:	0.6	Hammer Type:	Automatic ☐ Hydraulic ☐	Rope & Cathead ☒	

Definitions:
D = Split Spoon Sample
WO = Unsuccessful Split Spoon Sample Attempt
U = Thin Wall Tube Sample
W = Unsuccessful Thin Wall Tube Sample Attempt
V = Field Vane Shear Test, PP = Pocket Penetrometer
WV = Unsuccessful Field Vane Shear Test Attempt

R = Rock Core Sample
SSA = Solid Stem Auger
HSA = Hollow Stem Auger
RC = Roller Cone
WOH = Weight of 140lb. Hammer
WOR/C = Weight of Rods or Casing
WOH = Weight of the Person

q_u = Peak/Remolded Field Vane Undrained Shear Strength (psf)
$S_{u(rem)}$ = Lab Vane Undrained Shear Strength (psf)
q_p = Unconfined Compressive Strength (tsf)
Nuncorrected = Raw Field SPT N-value
Hammer Efficiency Factor = Rig Specific Annual Calibration Value
N_{60} = SPT Nuncorrected Corrected for Hammer Efficiency
Note = Hammer Efficiency Factor=60%=Nuncorrected

T_v = Pocket Torvane Shear Strength (psf)
MC = Water Content, percent
LL = Liquid Limit
PL = Plastic Limit
PI = Plasticity Index
G = Grain Size Analysis
C = Consolidation Test

Depth (ft.)	Sample No.	Rec./Rec. (in.)	Sample Depth (ft.)	Blows/6 in. Strength or RQD (if applicable)	Nuncorrected	N60	Casing Blows/ft.	Elevation (ft.)	Graphic Log	Visual Description and Remarks	Laboratory Testing Results/ AASHTO and Unified Class.
0	S1	24/8	0.0 - 2.0	1-1-1-3-6	4	4	PUSH	605.4		Brown, dry, very loose, silty fine to medium SAND, some organics. TOPSOIL/FOREST MAT- (SM)	
							12				
	S2	16/12	2.0 - 3.3	23-34-75/4"	R		51	603.4		Brown/gray, dry, very dense, gravelly fine to coarse SAND, little Silt. GLACIAL TILL- (SM) Split spoon refusal at 3.3' bgs; possible bedrock.	C=213 A-1-b, SM w=12.2
	R1	45/41	3.7 - 7.1	RQD = 24%			ND	602.1		2.3	
5										Casing met refusal at 3.5' bgs. Roller cone to 3.7' bgs, set up to core. R1: Hard, fresh, aphanitic, gray, METAPELITE with calcite seams. Primary joints are very close to closely spaced, low angle, planar, rough, fresh, partially open to open. Secondary joints are moderately spaced, high angle to vertical, planar, rough, fresh, tight to partially open. Rock Quality = Very Poor Rock Core Times (min/ft): 1.75, 1.5, 1.5, 1.0/4" R2: Hard, fresh, aphanitic, gray, METAPELITE with calcite veins. Joints are close, low angle, planar, rough, fresh, partially open. Rock Quality = Good Rock Core Times (min/ft): 1.5, 1.0/7"	
	R2	19/17	7.1 - 8.7	RQD = 89%				596.7		8.7	
10										Bottom of Exploration at 8.7 feet below ground surface.	
15											
20											

Remarks:
1. Water level measured 15 minutes after completion of drilling.

Stratification lines represent approximate boundaries between soil types; transitions may be gradual.
* Water level readings have been made at times and under conditions stated. Groundwater fluctuations may occur due to conditions other than those present at the time measurements were made.

Page 1 of 1
Boring No.: BB-PB-312

Maine Department of Transportation

Soil/Rock Exploration Log

US CUSTOMARY UNITS

Project: Presque Isle Bypass - Segment 1 09.0025832.03
Location: Presque Isle, Maine

Boring No.: BB-PB-311
WIN: 6462.92

Driller:	New England Boring	Elevation (ft.):	596.0	Auger ID/OD:	**
Operator:	Mike Porter	Datum:	NAVD 88	Sampler:	Split Spoon
Logged By:	Blaine Cordell	Rig Type:	Mobile Track	Hammer Wt./Fall:	140/30
Date Start/Finish:	8/20/15-8/20/15	Drilling Method:	Cased	Core Barrel:	NQ
Boring Location:	N702031.3, E2275180	Casing ID/OD:	3"	Water Level *:	5.6'
Hammer Efficiency Factor:	0.6	Hammer Type:	Automatic ☐ Hydraulic ☐	Rope & Cathead ☒	

Definitions:
D = Split Spoon Sample
WO = Unsuccessful Split Spoon Sample Attempt
U = Thin Wall Tube Sample
W = Unsuccessful Thin Wall Tube Sample Attempt
V = Field Vane Shear Test, PP = Pocket Penetrometer
WV = Unsuccessful Field Vane Shear Test Attempt

R = Rock Core Sample
SSA = Solid Stem Auger
HSA = Hollow Stem Auger
RC = Roller Cone
WOH = Weight of 140lb. Hammer
WOR/C = Weight of Rods or Casing
WOH = Weight of the Person

q_u = Peak/Remolded Field Vane Undrained Shear Strength (psf)
$S_{u(rem)}$ = Lab Vane Undrained Shear Strength (psf)
q_p = Unconfined Compressive Strength (tsf)
Nuncorrected = Raw Field SPT N-value
Hammer Efficiency Factor = Rig Specific Annual Calibration Value
N_{60} = SPT Nuncorrected Corrected for Hammer Efficiency
Note = Hammer Efficiency Factor=60%=Nuncorrected

T_v = Pocket Torvane Shear Strength (psf)
MC = Water Content, percent
LL = Liquid Limit
PL = Plastic Limit
PI = Plasticity Index
G = Grain Size Analysis
C = Consolidation Test

Depth (ft.)	Sample No.	Rec./Rec. (in.)	Sample Depth (ft.)	Blows/6 in. Strength or RQD (if applicable)	Nuncorrected	N60	Casing Blows/ft.	Elevation (ft.)	Graphic Log	Visual Description and Remarks	Laboratory Testing Results/ AASHTO and Unified Class.
0	S1	24/6	0.0 - 2.0	1-1-3-2	4	4	PUSH	596.0		Dark brown, moist, soft, SILT, some fine to coarse Sand, little Gravel. FOREST MAT- (ML)	
	S2	24/9	2.0 - 4.0	1-12-17-13	29	29		594.0		2.0	
5										Brown, moist, medium dense, silty GRAVEL, some fine to coarse Sand. GLACIAL TILL- (GM)	
	S3	24/14	5.0 - 7.0	38-31-27-25	58	58	27			Brown/gray, wet, very dense, GRAVEL, some fine to coarse Sand, some Silt. GLACIAL TILL- (GM)	C=212 A-1-b, GM w=10.9
							62				
							63				
	S4 R1	4/0 36/36	8.6 - 8.7 8.7 - 11.7	50/1" RQD = 47%	R		100 ND	587.4		Casing met refusal at 8.5' bgs; split spoon refusal at 8.6' bgs; possible bedrock.	
10										8.6 Roller cone to 8.7' bgs and set up to core. R1: Hard, fresh, aphanitic, gray, METAPELITE with calcite seams and veins. Joints are very close to moderately spaced, low angle to moderately dipping, planar, rough, fresh, partially open. Rock Quality = Poor Rock Core Times (min/ft): 1.5, 1.5, 1.5 R2: Hard, fresh, aphanitic, gray, METAPELITE with calcite seams and veins. Joints are very close to moderately spaced, low angle to moderately dipping, undulating, rough, fresh, partially open. Rock Quality = Good Rock Core Times (min/ft): 1.5, 1.5, 1.25, 1.5, 0.75/6"	
	R2	55/55	11.7 - 16.3	RQD = 87%							
15										R3: Hard, fresh, aphanitic, gray, METAPELITE with calcite stringers. Joints are very close to close, low angle to moderately dipping, planar, rough, fresh, partially open. Rock Quality = Good Rock Core Times (min/ft): 1.5, 1.5, 0.5/4"	
	R3	29/29	16.3 - 18.7	RQD = 83%				577.3		18.7	
20										Bottom of Exploration at 18.7 feet below ground surface.	

Remarks:
1. Water level measured 20 minutes after completion of drilling.

Stratification lines represent approximate boundaries between soil types; transitions may be gradual.
* Water level readings have been made at times and under conditions stated. Groundwater fluctuations may occur due to conditions other than those present at the time measurements were made.

Page 1 of 1
Boring No.: BB-PB-311

Maine Department of Transportation

Soil/Rock Exploration Log

US CUSTOMARY UNITS

Project: Presque Isle Bypass - Segment 1 09.0025832.03
Location: Presque Isle, Maine

Boring No.: BB-PB-314
WIN: 6462.92

Driller:	New England Boring	Elevation (ft.):	593.9	Auger ID/OD:	**
Operator:	Mike Porter	Datum:	NAVD 88	Sampler:	Split Spoon
Logged By:	Blaine Cordell	Rig Type:	Mobile Track	Hammer Wt./Fall:	140/30
Date Start/Finish:	8/25/15-8/25/15	Drilling Method:	Cased	Core Barrel:	NQ
Boring Location:	N702047.5, E2275205.2	Casing ID/OD:	3"	Water Level *:	4.3'
Hammer Efficiency Factor:	0.6	Hammer Type:	Automatic ☐ Hydraulic ☐	Rope & Cathead ☒	

Definitions:
D = Split Spoon Sample
WO = Unsuccessful Split Spoon Sample Attempt
U = Thin Wall Tube Sample
W = Unsuccessful Thin Wall Tube Sample Attempt
V = Field Vane Shear Test, PP = Pocket Penetrometer
WV = Unsuccessful Field Vane Shear Test Attempt

R = Rock Core Sample
SSA = Solid Stem Auger
HSA = Hollow Stem Auger
RC = Roller Cone
WOH = Weight of 140lb. Hammer
WOR/C = Weight of Rods or Casing
WOH = Weight of the Person

q_u = Peak/Remolded Field Vane Undrained Shear Strength (psf)
$S_{u(rem)}$ = Lab Vane Undrained Shear Strength (psf)
q_p = Unconfined Compressive Strength (tsf)
Nuncorrected = Raw Field SPT N-value
Hammer Efficiency Factor = Rig Specific Annual Calibration Value
N_{60} = SPT Nuncorrected Corrected for Hammer Efficiency
Note = Hammer Efficiency Factor=60%=Nuncorrected

T_v = Pocket Torvane Shear Strength (psf)
MC = Water Content, percent
LL = Liquid Limit
PL = Plastic Limit
PI = Plasticity Index
G = Grain Size Analysis
C = Consolidation Test

Depth (ft.)	Sample No.	Rec./Rec. (in.)	Sample Depth (ft.)	Blows/6 in. Strength or RQD (if applicable)	Nuncorrected	N60	Casing Blows/ft.	Elevation (ft.)	Graphic Log	Visual Description and Remarks	Laboratory Testing Results/ AASHTO and Unified Class.
0	S1	24/11	0.0 - 2.0	1-2-3-6	5	5	PUSH	593.6		Top 3"- FOREST MAT-	
	S2	24/10	2.0 - 4.0	6-4-7-7	11	11		593.3		0.3 Bottom 8"- Brown, moist, loose, GRAVEL, some fine to coarse Sand, some Silt. GLACIAL TILL- (GM)	C=210 A-1-b, GM w=4.32
5										Brown, moist, medium dense GRAVEL, some fine to coarse Sand, some Silt. GLACIAL TILL- (GM)	
	S3	24/9	5.0 - 7.0	4-7-21-34	28	28	9			Brown, wet, medium dense, GRAVEL, little fine to coarse Sand, little Silt. GLACIAL TILL- (GM)	
							24				
	R1	60/58	7.6 - 12.6	RQD = 82%			78 ND	586.3		7.6 Casing met refusal at 7.6' bgs. Roller cone to 7.6' bgs and set up to core. R1: Hard, fresh, aphanitic, gray, METAPELITE with calcite seams and veins. Joints are close to moderately spaced, moderately dipping to high angle, rough, planar, fresh, tight to partially open. Rock Quality = Good Rock Core Times (min/ft): 2.0, 2.0, 2.0, 1.5, 1.5	
10											
15											
20										12.6 Bottom of Exploration at 12.6 feet below ground surface.	

Remarks:
1. Water level measured 30 minutes after completion of drilling.

Stratification lines represent approximate boundaries between soil types; transitions may be gradual.
* Water level readings have been made at times and under conditions stated. Groundwater fluctuations may occur due to conditions other than those present at the time measurements were made.

Page 1 of 1
Boring No.: BB-PB-314

Maine Department of Transportation

Soil/Rock Exploration Log

US CUSTOMARY UNITS

Project: Presque Isle Bypass - Segment 1 09.0025832.03
Location: Presque Isle, Maine

Boring No.: BB-PB-313
WIN: 6462.92

Driller:	New England Boring	Elevation (ft.):	594.9	Auger ID/OD:	**
Operator:	Mike Porter	Datum:	NAVD 88	Sampler:	Split Spoon
Logged By:	Blaine Cordell	Rig Type:	Mobile Track	Hammer Wt./Fall:	140/30
Date Start/Finish:	8/20/15-8/20/15	Drilling Method:	Cased	Core Barrel:	NQ
Boring Location:	N702039.1, E2275230.5	Casing ID/OD:	3"	Water Level *:	4.7'
Hammer Efficiency Factor:	0.6	Hammer Type:	Automatic ☐ Hydraulic ☐	Rope & Cathead ☒	

Definitions:
D = Split Spoon Sample
WO = Unsuccessful Split Spoon Sample Attempt
U = Thin Wall Tube Sample
W = Unsuccessful Thin Wall Tube Sample Attempt
V = Field Vane Shear Test, PP = Pocket Penetrometer
WV = Unsuccessful Field Vane Shear Test Attempt

R = Rock Core Sample
SSA = Solid Stem Auger
HSA = Hollow Stem Auger
RC = Roller Cone
WOH = Weight of 140lb. Hammer
WOR/C = Weight of Rods or Casing
WOH = Weight of the Person

q_u = Peak/Remolded Field Vane Undrained Shear Strength (psf)
$S_{u(rem)}$ = Lab Vane Undrained Shear Strength (psf)
q_p = Unconfined Compressive Strength (tsf)
Nuncorrected = Raw Field SPT N-value
Hammer Efficiency Factor = Rig Specific Annual Calibration Value
N_{60} = SPT Nuncorrected Corrected for Hammer Efficiency
Note = Hammer Efficiency Factor=60%=Nuncorrected

T_v = Pocket Torvane Shear Strength (psf)
MC = Water Content, percent
LL = Liquid Limit
PL = Plastic Limit
PI = Plasticity Index
G = Grain Size Analysis
C = Consolidation Test

Depth (ft.)	Sample No.	Rec./Rec. (in.)	Sample Depth (ft.)	Blows/6 in. Strength or RQD (if applicable)	Nuncorrected	N60	Casing Blows/ft.	Elevation (ft.)	Graphic Log	Visual Description and Remarks	Laboratory Testing Results/ AASHTO and Unified Class.
0	S1	24/10	0.0 - 2.0	1-1-3-4	4	4	PUSH	594.7		Top 2"- TOPSOIL-	
										0.2 Bottom 8"- Brown, moist, soft, SILT, some fine to coarse Sand, little Gravel. GLACIAL TILL- (ML)	
	S2	24/18	2.0 - 4.0	6-7-8-11	15	15				Brown, moist, medium dense, silty GRAVEL, some fine to coarse Sand. GLACIAL TILL- (GM)	C=214 A-4, GM w=16.7
5	S3 ST	0/0 16/0	4.0 - 4.5 4.5 - 6.0	RQD = 0%			WD	590.4 589.8		No recovery. Casing met refusal at 4.5' bgs. Set up to core. R1, 4.5'-5.7' bgs: 7" thick Boulder.	
	R2	60/60	6.0 - 11.0	RQD = 70%						6.0 R1, 5.7'-9.0' bgs: Hard, fresh, aphanitic, gray, METAPELITE with calcite stringers. Joints are close, low angle, rough, undulating, discolored, partially open to open. Rock Quality = Very Poor Rock Core Times (min/ft): 1.0, 0.5/6" R2: Hard, fresh, aphanitic, gray, slightly weathered, aphanitic, gray, METAPELITE with calcite seams and veins. Joints are very close to close, low angle to moderately dipping, rough, undulating, fresh to discolored, partially open to open. Rock Quality = Fair Rock Core Times (min/ft): 1.0, 1.0, 1.0, 1.0, 1.25	
10								583.9		11.0 Bottom of Exploration at 11.0 feet below ground surface.	
15											
20											

Remarks:
1. Water level measured 15 minutes after completion of drilling.

Stratification lines represent approximate boundaries between soil types; transitions may be gradual.
* Water level readings have been made at times and under conditions stated. Groundwater fluctuations may occur due to conditions other than those present at the time measurements were made.

Page 1 of 1
Boring No.: BB-PB-313

Maine Department of Transportation

Soil/Rock Exploration Log

US CUSTOMARY UNITS

Project: Presque Isle Bypass - Segment 1 09.0025832.03
Location: Presque Isle, Maine

Boring No.: BB-PB-316
WIN: 6462.92

Driller:	New England Boring	Elevation (ft.):	592.5	Auger ID/OD:	**
Operator:	Mike Porter	Datum:	NAVD 88	Sampler:	Split Spoon
Logged By:	Blaine Cordell	Rig Type:	Mobile Track	Hammer Wt./Fall:	140/30
Date Start/Finish:	8/26/15-8/26/15	Drilling Method:	Cased	Core Barrel:	NQ
Boring Location:	N702049.6, E2275265.7	Casing ID/OD:	3"	Water Level *:	4.0'
Hammer Efficiency Factor:	0.6	Hammer Type:	Automatic ☐ Hydraulic ☐	Rope & Cathead ☒	

Definitions:
D = Split Spoon Sample
WO = Unsuccessful Split Spoon Sample Attempt
U = Thin Wall Tube Sample
W = Unsuccessful Thin Wall Tube Sample Attempt
V = Field Vane Shear Test, PP = Pocket Penetrometer
WV = Unsuccessful Field Vane Shear Test Attempt

R = Rock Core Sample
SSA = Solid Stem Auger
HSA = Hollow Stem Auger
RC = Roller Cone
WOH = Weight of 140lb. Hammer
WOR/C = Weight of Rods or Casing
WOH = Weight of the Person

q_u = Peak/Remolded Field Vane Undrained Shear Strength (psf)
$S_{u(rem)}$ = Lab Vane Undrained Shear Strength (psf)
q_p = Unconfined Compressive Strength (tsf)
Nuncorrected = Raw Field SPT N-value
Hammer Efficiency Factor = Rig Specific Annual Calibration Value
N_{60} = SPT Nuncorrected Corrected for Hammer Efficiency
Note = Hammer Efficiency Factor=60%=Nuncorrected

T_v = Pocket Torvane Shear Strength (psf)
MC = Water Content, percent
LL = Liquid Limit
PL = Plastic Limit
PI = Plasticity Index
G = Grain Size Analysis
C = Consolidation Test

Depth (ft.)	Sample No.	Rec./Rec. (in.)	Sample Depth (ft.)	Blows/6 in. Strength or RQD (if applicable)	Nuncorrected	N60	Casing Blows/ft.	Elevation (ft.)	Graphic Log	Visual Description and Remarks	Laboratory Testing Results/ AASHTO and Unified Class.
0	S1	24/7	0.0 - 2.0	1-1-4-4	5	5	PUSH	592.1		Top 4"- FOREST MAT-	
							2			0.4 Bottom 3"- Brown, moist, medium stiff, SILT, some fine to coarse Sand, little Gravel. GLACIAL TILL- (ML)	
	S2	24/3	2.0 - 4.0	5-7-11-14	18	18	4			Brown, moist, medium dense, GRAVEL, some fine to coarse Sand, some Silt. GLACIAL TILL- (GM)	
5							9				
	R1	58/58	4.0 - 8.8	RQD = 24%			POH	588.5		4.0 Casing met refusal at 4.0' bgs; possible bedrock. Roller cone to 4.0' bgs and set up to core. R1: Hard, fresh, aphanitic, METAPELITE with calcite veins and seams. Primary joints are close to moderately spaced, moderately dipping to high angle, rough, planar, fresh, partially open. Secondary joints are close, low angle, rough, planar, fresh, partially open. Rock Quality = Very Poor Rock Core Times (min/ft): 2.0, 1.5, 1.5, 1.5, 1.0/8"	
10										8.8 Bottom of Exploration at 8.8 feet below ground surface.	
15											
20											

Remarks:
1. Water level measured 20 minutes after completion of drilling.

Stratification lines represent approximate boundaries between soil types; transitions may be gradual.
* Water level readings have been made at times and under conditions stated. Groundwater fluctuations may occur due to conditions other than those present at the time measurements were made.

Page 1 of 1
Boring No.: BB-PB-316

Maine Department of Transportation

Soil/Rock Exploration Log

US CUSTOMARY UNITS

Project: Presque Isle Bypass - Segment 1 09.0025832.03
Location: Presque Isle, Maine

Boring No.: BB-PB-315
WIN: 6462.92

Driller:	New England Boring	Elevation (ft.):	593.8	Auger ID/OD:	**
Operator:	Mike Porter	Datum:	NAVD 88	Sampler:	Split Spoon
Logged By:	Blaine Cordell	Rig Type:	Mobile Track	Hammer Wt./Fall:	140/30
Date Start/Finish:	8/25/15-8/25/15	Drilling Method:	Cased	Core Barrel:	NQ
Boring Location:	N702049.2, E2275136.9	Casing ID/OD:	3"	Water Level *:	3.0'
Hammer Efficiency Factor:	0.6	Hammer Type:	Automatic ☐ Hydraulic ☐	Rope & Cathead ☒	

Definitions:
D = Split Spoon Sample
WO = Unsuccessful Split Spoon Sample Attempt
U = Thin Wall Tube Sample
W = Unsuccessful Thin Wall Tube Sample Attempt
V = Field Vane Shear Test, PP = Pocket Penetrometer
WV = Unsuccessful Field Vane Shear Test Attempt

R = Rock Core Sample
SSA = Solid Stem Auger
HSA = Hollow Stem Auger
RC = Roller Cone
WOH = Weight of 140lb. Hammer
WOR/C = Weight of Rods or Casing
WOH = Weight of the Person

q_u = Peak/Remolded Field Vane Undrained Shear Strength (psf)
$S_{u(rem)}$ = Lab Vane Undrained Shear Strength (psf)
q_p = Unconfined Compressive Strength (tsf)
Nuncorrected = Raw Field SPT N-value
Hammer Efficiency Factor = Rig Specific Annual Calibration Value
N_{60} = SPT Nuncorrected Corrected for Hammer Efficiency
Note = Hammer Efficiency Factor=60%=Nuncorrected

T_v = Pocket Torvane Shear Strength (psf)
MC = Water Content, percent
LL = Liquid Limit
PL = Plastic Limit
PI = Plasticity Index
G = Grain Size Analysis
C = Consolidation Test

Depth (ft.)	Sample No.	Rec./Rec. (in.)	Sample Depth (ft.)	Blows/6 in. Strength or RQD (if applicable)	Nuncorrected	N60	Casing Blows/ft.	Elevation (ft.)	Graphic Log	Visual Description and Remarks	Laboratory Testing Results/ AASHTO and Unified Class.
0	S1	24/11	0.0 - 2.0	2-2-3-4	5	5	PUSH	593.3		Top 6"- FOREST MAT-	
										0.5 Bottom 5"- Brown, moist, medium stiff, sandy SILT. GLACIAL TILL- (ML)	
	S2	24/7	2.0 - 4.0	1-1-1-WOH	2	2				Brown, moist, soft, SILT, some fine to coarse Sand, little Gravel. GLACIAL TILL- (ML)	C=216 A-4, ML w=17.1
5										Brown, wet, very dense, GRAVEL, some Silt, some fine to coarse Sand. GLACIAL TILL- (GM)	
	S3	18/11	5.0 - 6.5	21-16-125	141	141	27				
							74				
	R1	60/46	7.3 - 12.3	RQD = 17%			ND	586.8		7.0 Casing met refusal at 7.0' bgs; possible bedrock. Roller cone to 7.3' bgs and set up to core. R1: Hard, fresh, aphanitic, gray, METAPELITE with calcite seams. Primary joints are close, low angle to moderately sloping, planar, rough, fresh, partially open. Secondary joints are very close to close, high angle planar, rough, fresh to discolored, tight to partially open. Some extremely fractured sections. Rock Quality = Very Poor Rock Core Times (min/ft): 2.0, 1.5, 1.5, 2.0, 3.0	
10	R2	26/26	12.3 - 14.5	RQD = 0%							
15	R3	18/18	14.5 - 16.0	RQD = 0%						R2: Hard, fresh to slightly weathered, aphanitic, gray, METAPELITE, Extremely fractured. Rock Quality = Very Poor Rock Core Times (min/ft): 1.25, 1.5, 0.5/2"	
	R4	15/15	16.0 - 17.3	RQD = 73%				576.5		R3: Hard, fresh to slightly weathered, aphanitic, gray, METAPELITE, Extremely fractured. Rock Quality = Very Poor Rock Core Times (min/ft): 0.75/8", 1.5/ 7" R4: Hard, fresh, aphanitic, gray, METAPELITE, Joints are close to moderately spaced, high angle, planar, rough, fresh, tight to partially open. Rock Quality = Good Rock Core Times (min/ft): 1.5, 0.5/3"	
20										17.3 Bottom of Exploration at 17.3 feet below ground surface.	

Remarks:
1. Water level measured 20 minutes after completion of drilling.

Stratification lines represent approximate boundaries between soil types; transitions may be gradual.
* Water level readings have been made at times and under conditions stated. Groundwater fluctuations may occur due to conditions other than those present at the time measurements were made.

Page 1 of 1
Boring No.: BB-PB-315

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 006462.92
BRIDGE NO. 6581

BRIDGE PLANS

PROJ. MANAGER	R.M.
DESIGN-DETAILED	B.C.
CHECKED-REVIEWED	A.B.
DESIGN2-DETAILED2	
DESIGN3-DETAILED3	

	DATE	BY
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES	7/2025	E.T.
	7/2025	C.S.

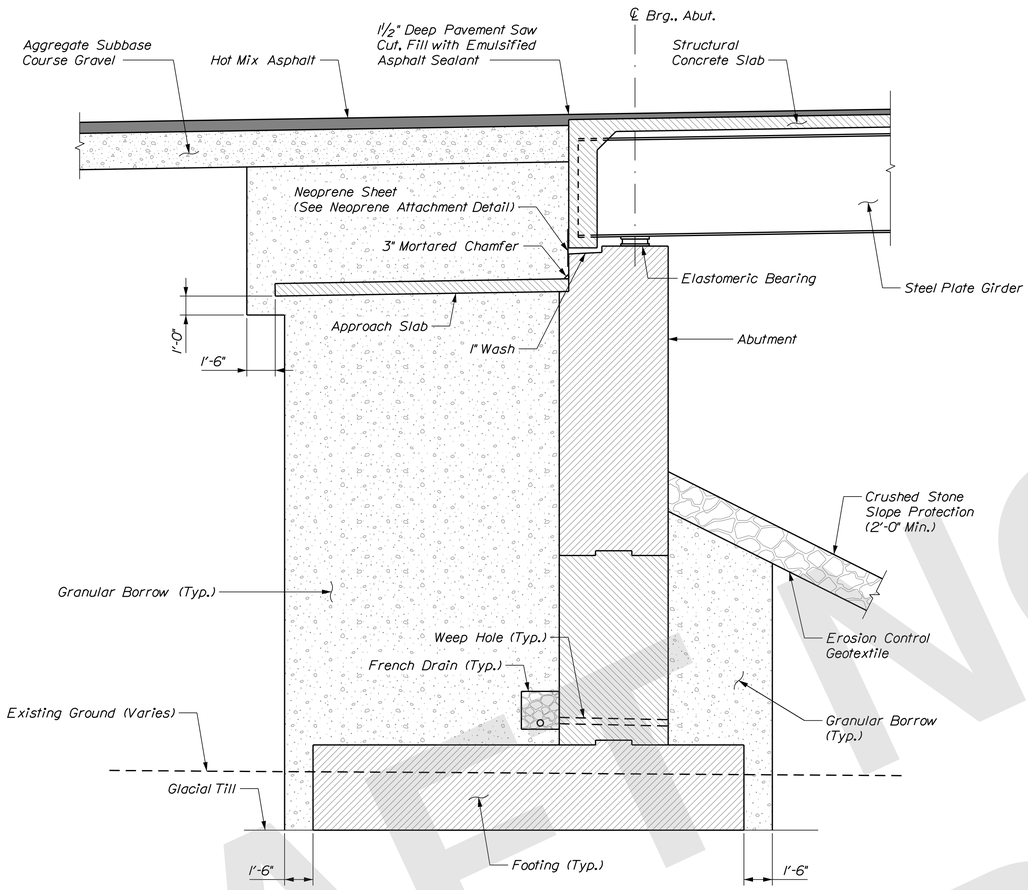
MAINE NORTHERN RAILWAY BRIDGE
OVER MAINE NORTHERN RAILWAY
AROOSTOOK COUNTY
PRESQUE ISLE, ME

BORING LOGS 1

PREPARED BY:

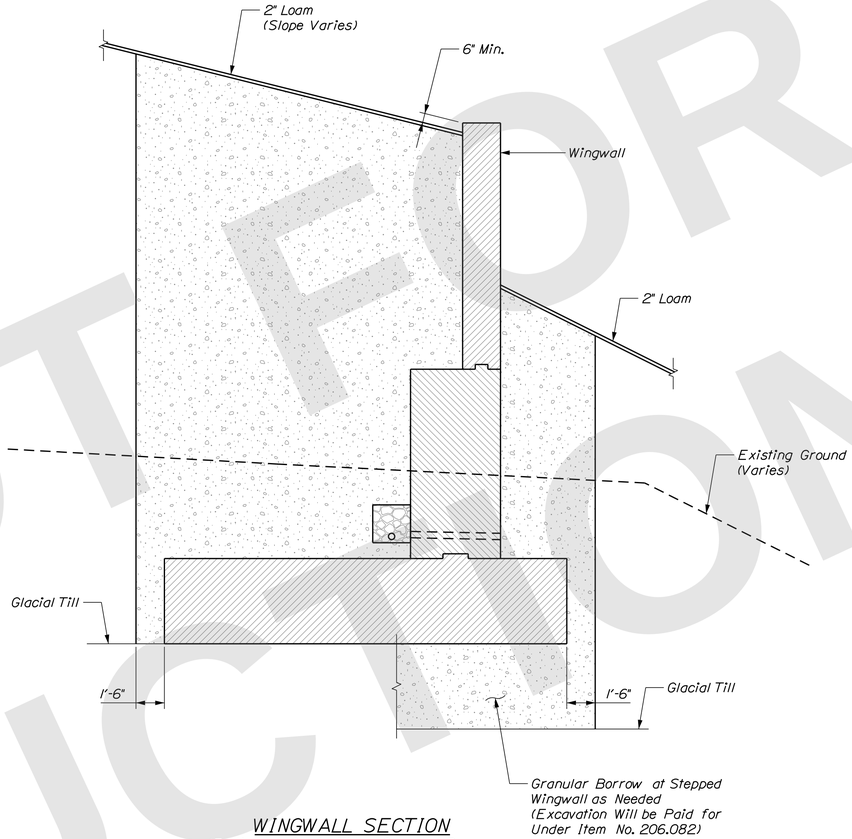
SHEET NUMBER
B-38
572
OF 747

PRELIMINARY FOR CONSTRUCTION



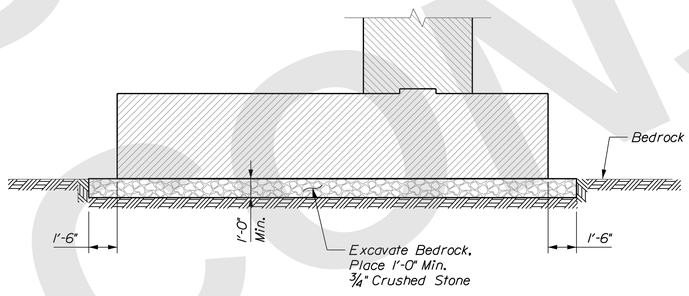
ABUTMENT SECTION

(Abutment No. 1 Shown, Abutment No. 2 Similar)
(Footing on Glacial Till Shown)



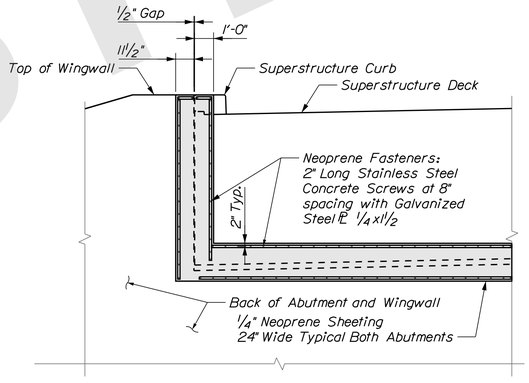
WINGWALL SECTION

(Footing on Glacial Till or Granular Borrow)



FOUNDATION ON BEDROCK

Not to Scale
(See Abutment and Wingwall Sections for Backfill Details)



SCHEMATIC NEOPRENE ATTACHMENT DETAIL

Typical on backsides of abutments where the end of Superstructure is flush with the Abutment.

ABUTMENT NOTES

1. The maximum factored applied footing pressure at both Abutments is 12 ksf at Strength I Limit State and 8 ksf at Service Limit State.

2. Structural Earth Excavation, required more than 12 inches below the bottom of the structure, will be paid for in accordance with Standard Specifications Section 206, Structural Excavation.

3. Abutments, wingwalls and their footings shall be backfilled with Granular Borrow. Pay limits are as shown in the typical sections.

4. Reinforcing steel shall have a minimum concrete cover of 2 inches in the walls and 3 inches in the footings unless otherwise noted.

5. Place drains with a 4 inch diameter in the breastwall and wingwalls at 10 feet maximum spacing. The exact location will be determined by the Resident.

6. Cover joints where waterstops are not required in accordance with Standard Details Section 502.

7. Spread footings bearing on soil shall be supported on natural deposited soil and proof compacted or on ¾ inch crushed stone (Item No. 203.35 Crushed Stone ¾ inch). Natural soil subgrade surfaces shall be confirmed by the resident.

8. Bedrock which protrudes above the bottom of footing elevation shown on the plans shall be removed to at least 1 foot below footing subgrade and replaced with ¾ inch crushed stone. Payment for bedrock removal shall be made under Item No. 206.092, Structural Rock Excavation - Major Structures.

9. Transverse saw cuts in the pavement shall be sealed with emulsified asphalt sealing compound conforming to Specification 702.12. The saw cut and emulsified sealing shall not be paid for directly, but considered incidental to related Contract Items.

10. Payment for mortared chamfer at approach slabs shall not be paid for directly, but shall be considered incidental to related Contract Items.

11. Neoprene sheeting, fasteners, and all labor required to install the neoprene sheeting shall be considered incidental to related Contract Items.

DRAFT NOT FOR CONSTRUCTION

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 006462.92

BRIDGE NO. 6581

BRIDGE PLANS

vhb

	R.M.	BY	DATE
PROJ. MANAGER			
DESIGN-DETAILED	JAH	JAH	08/2025
CHECKED-REVIEWED	YP	SMH	08/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

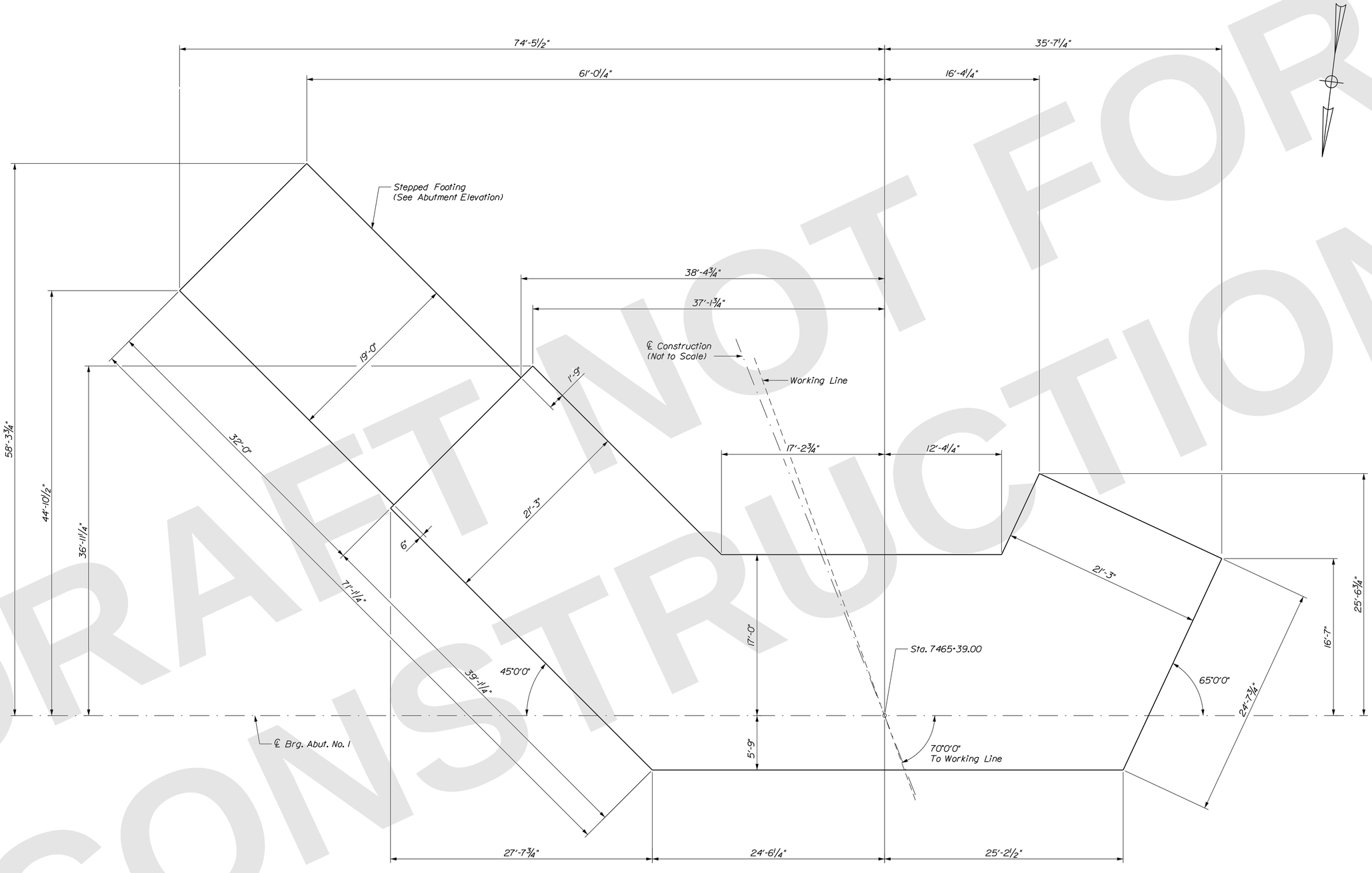
MAINE NORTHERN RAILWAY BRIDGE
OVER MAINE NORTHERN RAILWAY
PRESQUE ISLE AROOSTOOK COUNTY

ABUTMENT & WINGWALL DETAILS

SHEET NUMBER
B-39
573
OF 747

Filename: ...\B16_Abut Details.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025

Filename: ...\B17_Abut1Foot_01.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025



ABUTMENT NO. 1 FOOTING PLAN

DRAFT NOT FOR CONSTRUCTION

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 006462.92

BRIDGE NO. 6581

BRIDGE PLANS

vhb

	R.M.	BY	DATE
PROJ. MANAGER			
DESIGN-DETAILED	JAH	JAH	08/2025
CHECKED-REVIEWED	YP	SMH	08/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

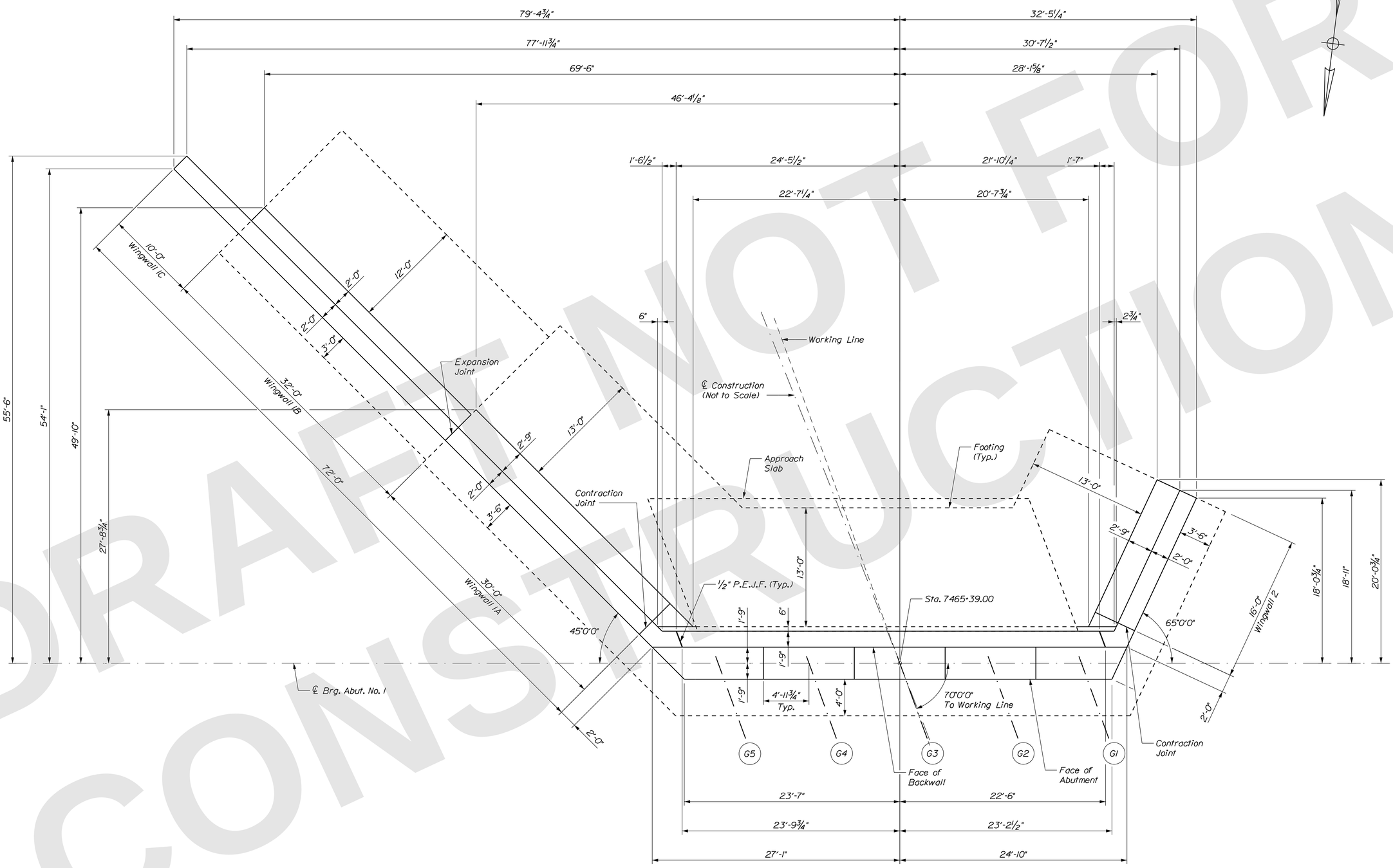
MAINE NORTHERN RAILWAY BRIDGE
OVER MAINE NORTHERN RAILWAY
PRESQUE ISLE AROOSTOOK COUNTY

ABUTMENT NO.1
FOOTING PLAN

SHEET NUMBER
B-40
574
OF 747

Filename: ...\Montreal\RR\B18_Abut1_01.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025

DRAFT NOT FOR CONSTRUCTION



ABUTMENT NO. 1 PLAN

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 006462.92

BRIDGE NO. 6581

BRIDGE PLANS

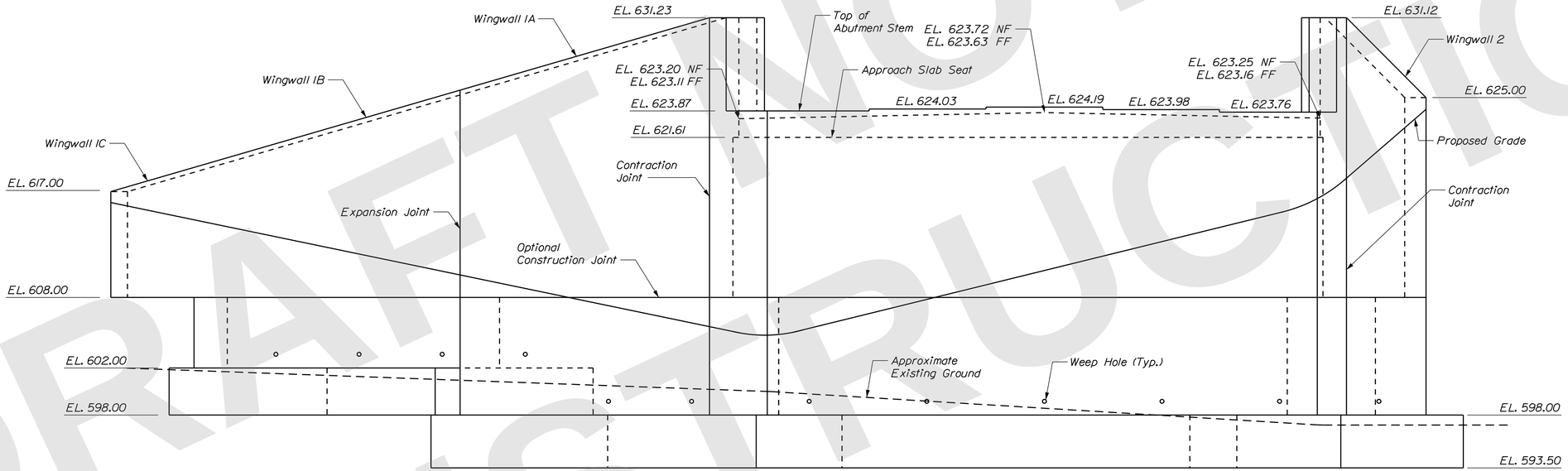
vhb

	R.M.	BY	DATE
PROJ. MANAGER			
DESIGN-DETAILED	JAH	JAH	08/2025
CHECKED-REVIEWED	YP	SMH	08/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

MAINE NORTHERN RAILWAY BRIDGE
OVER MAINE NORTHERN RAILWAY
PRESQUE ISLE AROOSTOOK COUNTY

ABUTMENT NO. 1 PLAN

SHEET NUMBER
B-41
575
OF 747



ABUTMENT NO. 1 ELEVATION

DRAFT NOT FOR CONSTRUCTION

Filename: ...\MontrealRR\B19_Abut1_02.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 006462.92

BRIDGE NO. 6581 BRIDGE PLANS

vhb

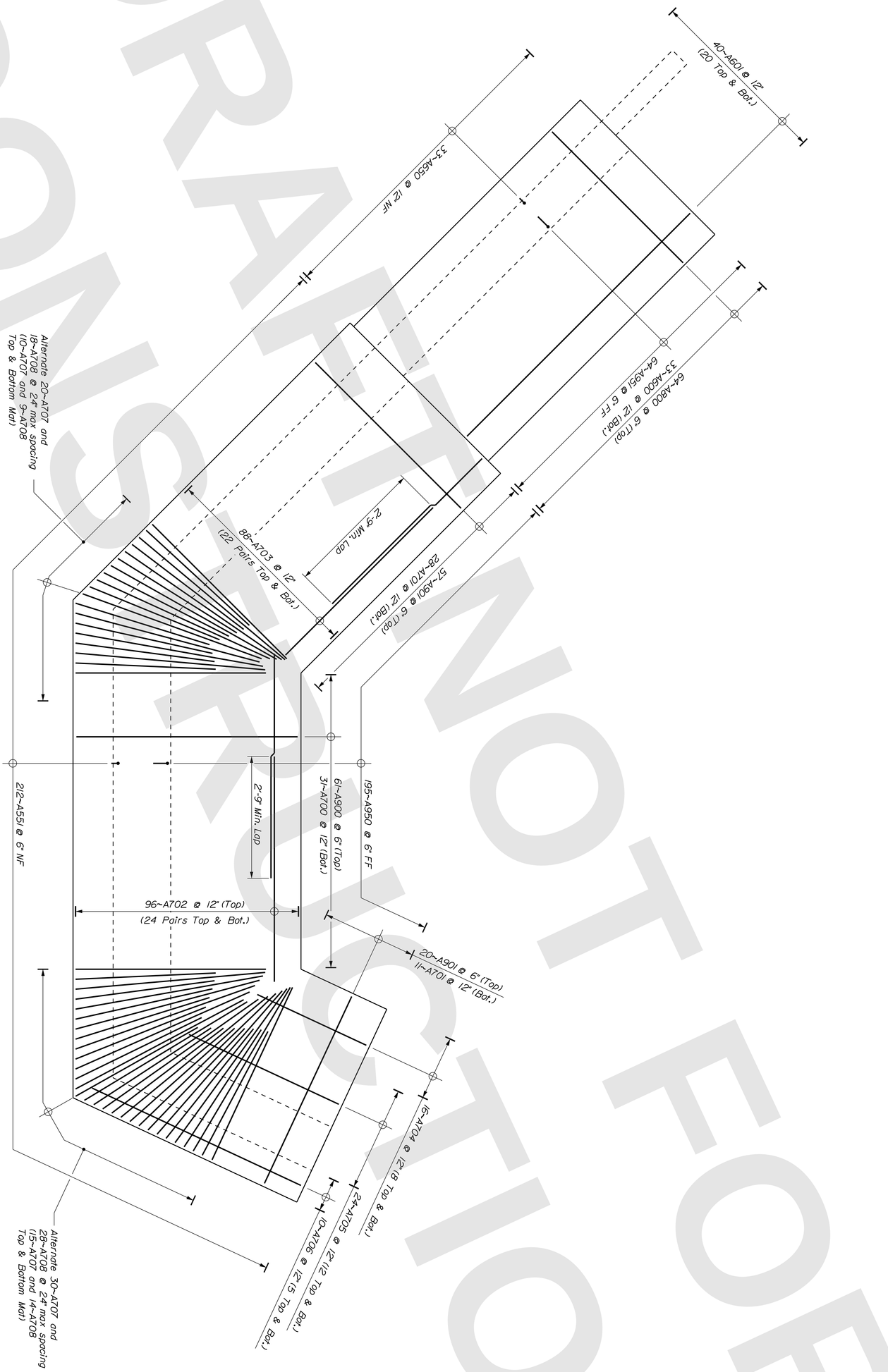
	R.M.	BY	DATE
PROJ. MANAGER			
DESIGN-DETAILED	JAH	JAH	08/2025
CHECKED-REVIEWED	YP	SMH	08/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

MAINE NORTHERN RAILWAY BRIDGE
OVER MAINE NORTHERN RAILWAY
PRESQUE ISLE AROOSTOOK COUNTY

ABUTMENT NO. 1 ELEVATION

SHEET NUMBER
B-42
576
OF 747

DRAFT NOT FOR CONSTRUCTION



ABUTMENT NO. 1 FOOTING REINFORCING PLAN

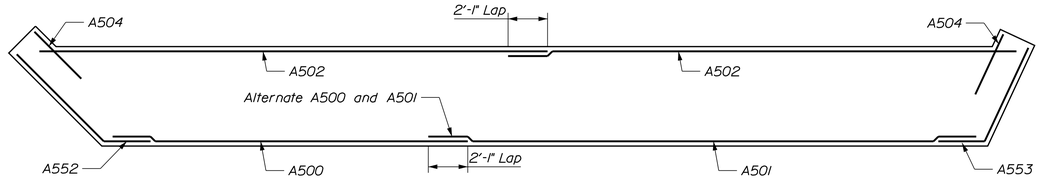
REINFORCING KEY

EF = Each Face
NF = Near Face
FF = Far Face

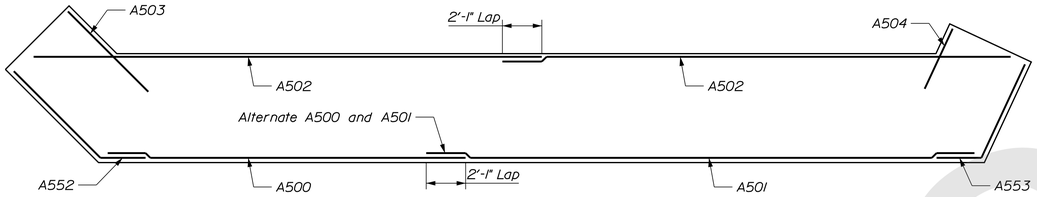
SHEET NUMBER B-43 577 OF 747	MAINE NORTHERN RAILWAY BRIDGE OVER MAINE NORTHERN RAILWAY PRESQUE ISLE AROOSTOOK COUNTY ABUTMENT NO. 1 FOOTING REINFORCING	PROJ. MANAGER R.M.	BY DATE
		DESIGN-DETAILED JAH	JAH 08/2025
		CHECKED-REVIEWED YP	SMH 08/2025
		DESIGN2-DETAILED2	
		DESIGN3-DETAILED3	
		REVISIONS 1	
		REVISIONS 2	
		REVISIONS 3	
		REVISIONS 4	
		FIELD CHANGES	

vhb

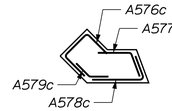
STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
CAPITAL PROJECTS
WIN
BRIDGE NO. 6581 006462.92 BRIDGE PLANS

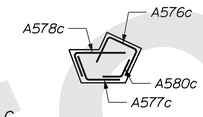


SET B



SET A





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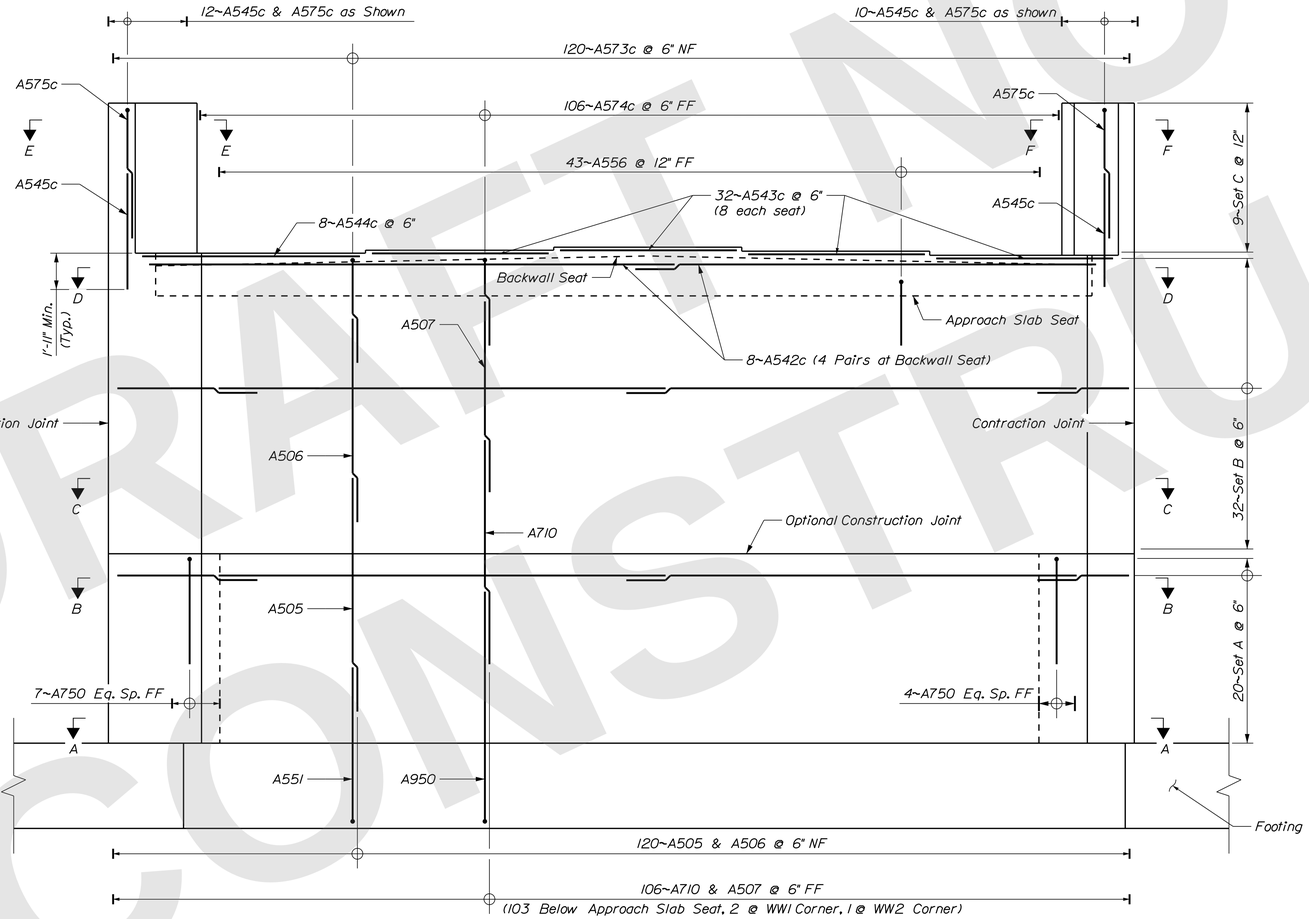
(All Chromx)



ABUTMENT NO. 1 REINFORCING ELEVATION
(Wingwalls Beyond Contraction Joints are not Shown for Clarity)

REINFORCING KEY

EF = Each Face
NF = Near Face
FF = Far Face

DRAFT NOT FOR CONSTRUCTION

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 006462.92

BRIDGE NO. 6581

BRIDGE PLANS

vhb

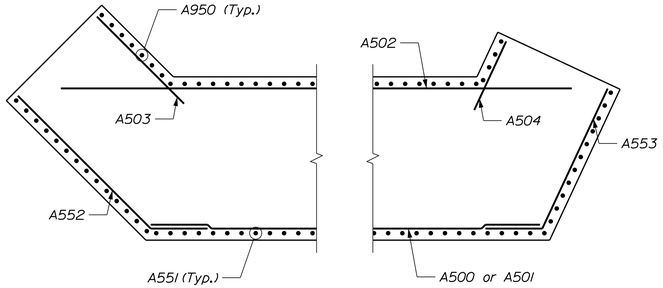
	R.M.	BY	DATE
PROJ. MANAGER			
DESIGN-DETAILED	JAH	JAH	08/2025
CHECKED-REVIEWED	YP	SMH	08/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

MAINE NORTHERN RAILWAY BRIDGE
OVER MAINE NORTHERN RAILWAY
PRESQUE ISLE AROOSTOOK COUNTY

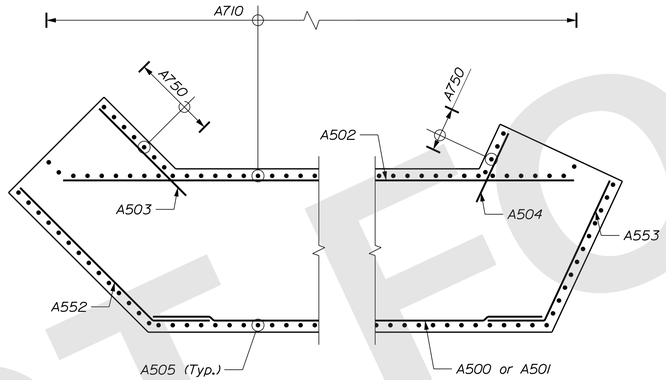
ABUTMENT NO. 1 STEM REINFORCING (1 OF 2)

SHEET NUMBER
B-44
578
OF 747

Filename: ...\XX2_ABUT1STEMREIN.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025



SECTION A-A



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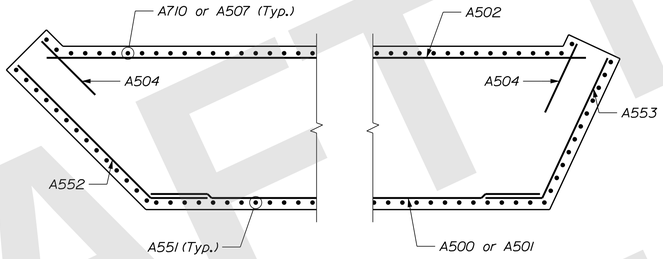
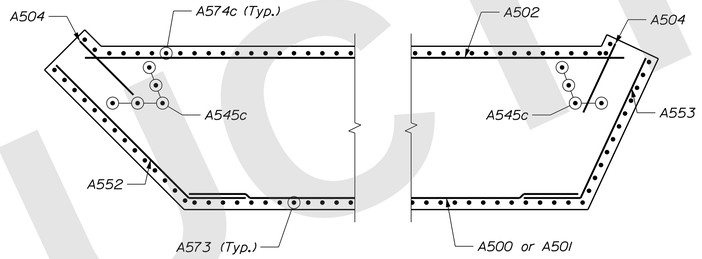
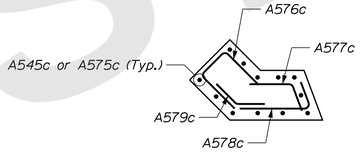


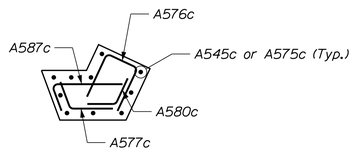
SECTION C-C



SECTION D-D



SECTION E-E



SECTION F-F

DRAFT NOT FOR CONSTRUCTION

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN **006462.92**

BRIDGE NO. 6581 — BRIDGE PLANS

vhb

	R.M.	BY	DATE
PROJ. MANAGER			
DESIGN-DETAILED	JAH	JAH	08/2025
CHECKED-REVIEWED	YP	SMH	08/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

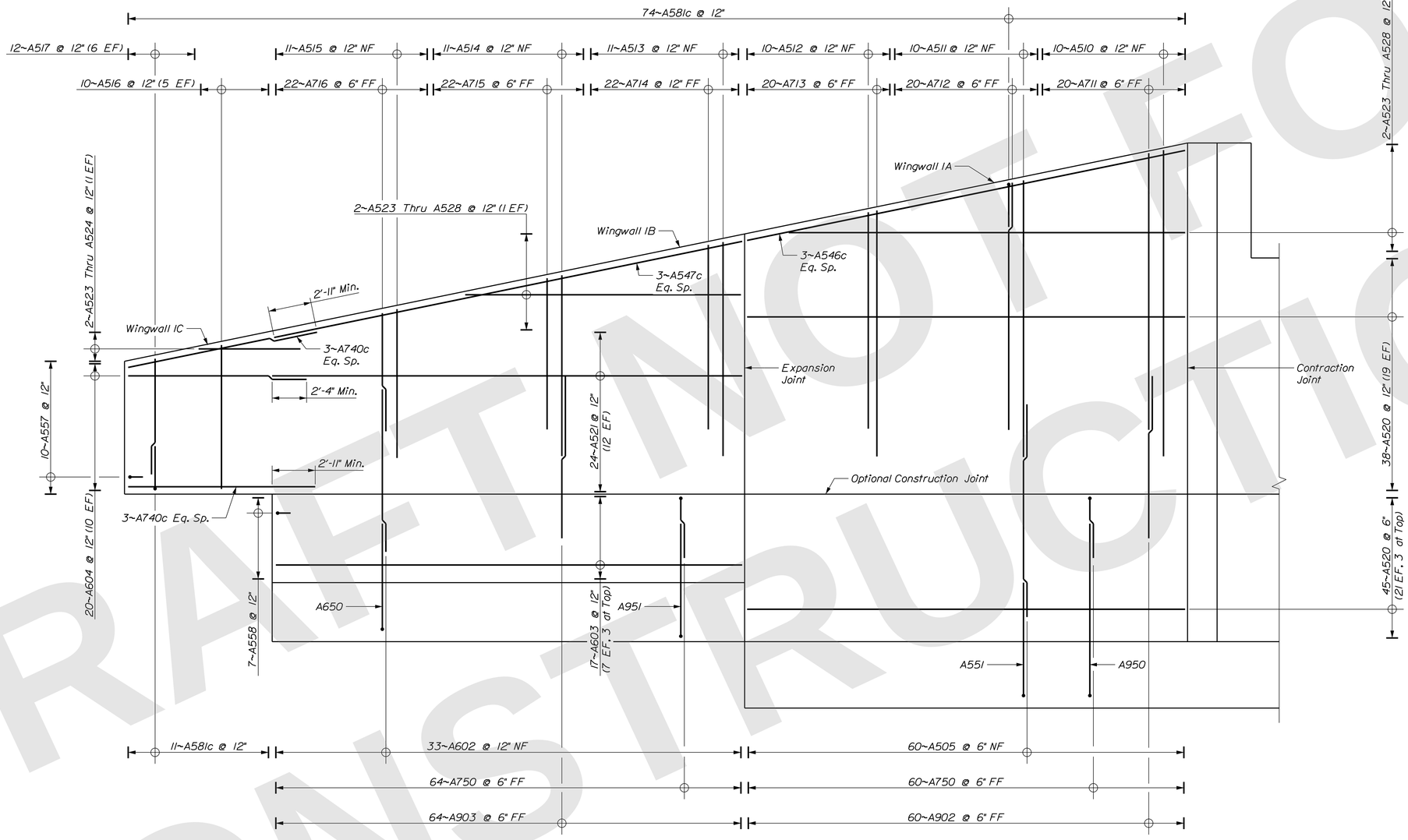
MAINE NORTHERN RAILWAY BRIDGE
OVER MAINE NORTHERN RAILWAY
PRESQUE ISLE — AROOSTOOK COUNTY

ABUTMENT NO.1 STEM REINFORCING (2 OF 2)

SHEET NUMBER
B-45
579
OF 747

Filename: ...\XX2_ABUT1STEMREIN2.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025

Username: jamesdavis Date:9/2/2025
Division: HIGHWAY
Filename: ...\XX3_ABUT1WWIREIN.dgn



WINGWALL NO. 1 REINFORCING

REINFORCING KEY

EF = Each Face
NF = Near Face
FF = Far Face

DRAFT NOT FOR CONSTRUCTION

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 006462.92

BRIDGE NO. 6581

BRIDGE PLANS

vhb

PROJ. MANAGER	R.M.	BY	DATE
DESIGN-DETAILED	JAH	JAH	08/2025
CHECKED-REVIEWED	YP	SMH	08/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

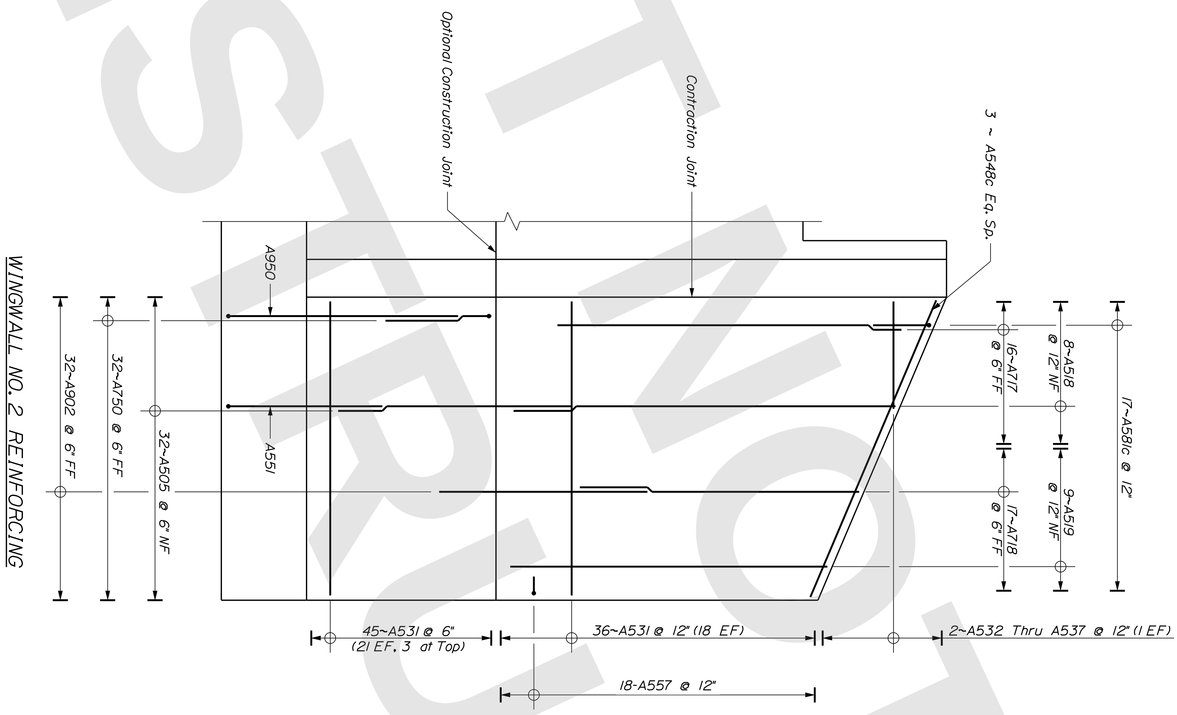
MAINE NORTHERN RAILWAY BRIDGE
OVER MAINE NORTHERN RAILWAY
PRESQUE ISLE AROOSTOOK COUNTY

ABUTMENT NO. 1
WINGWALL REINFORCING (1 of 2)

SHEET NUMBER
B-46
580
OF 747

DRAFT NOT FOR CONSTRUCTION

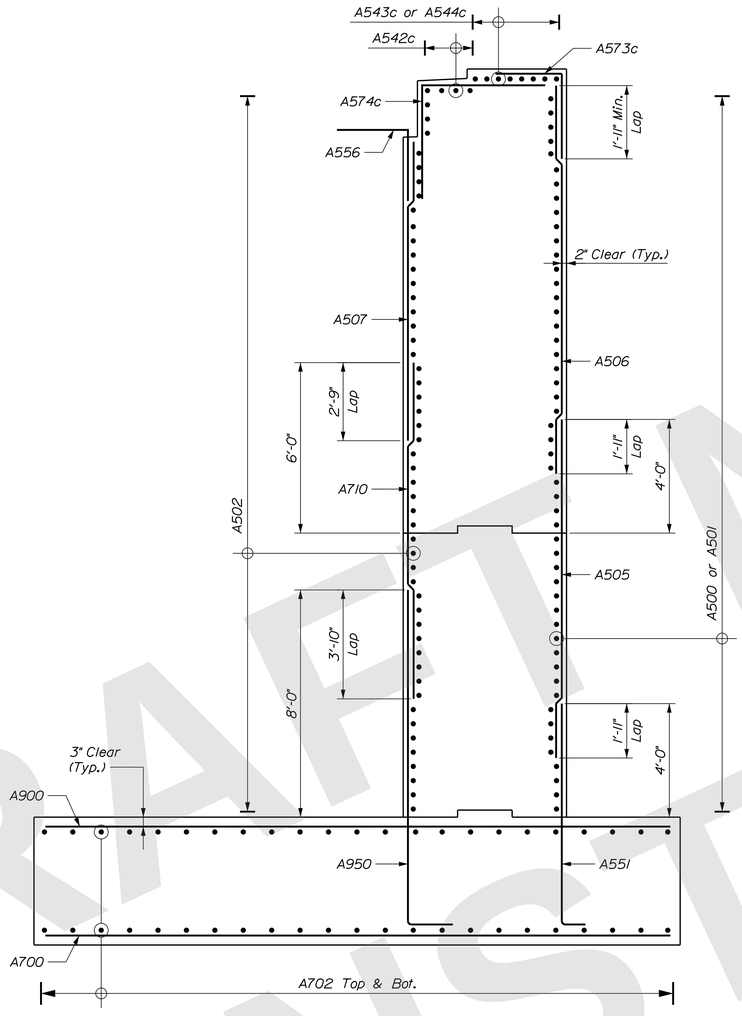
WINGWALL NO. 2 REINFORCING



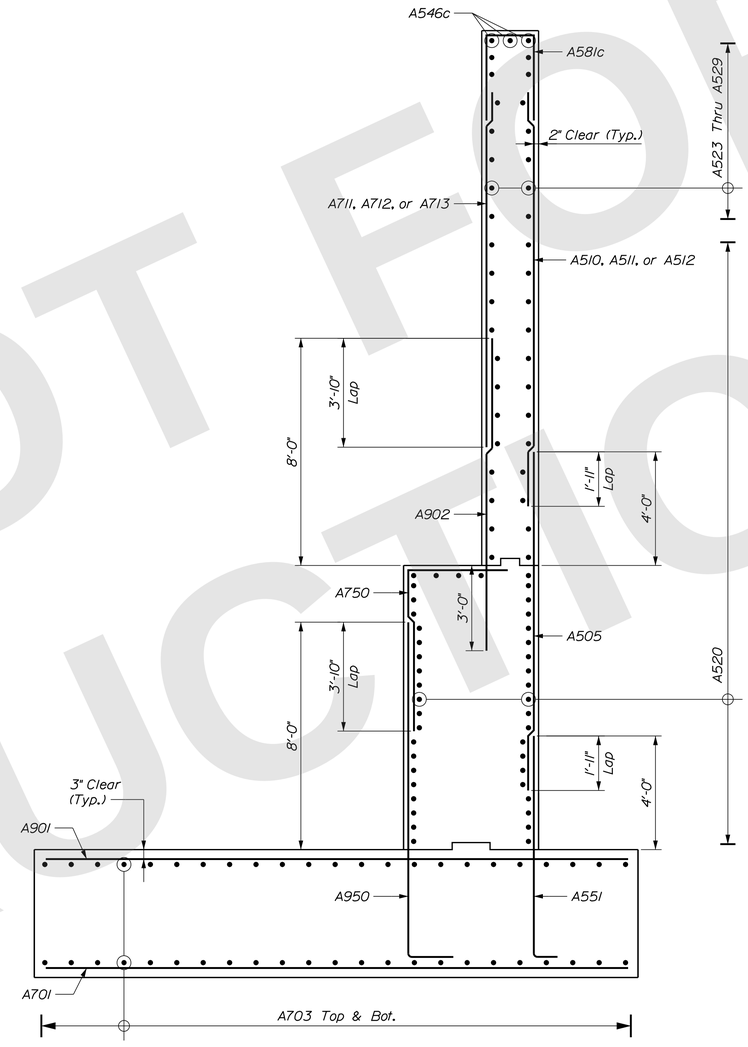
REINFORCING KEY

EF = Each Face
NF = Near Face
FF = Far Face

SHEET NUMBER B-47 581 OF 747	MAINE NORTHERN RAILWAY BRIDGE OVER MAINE NORTHERN RAILWAY PRESQUE ISLE AROOSTOOK COUNTY ABUTMENT NO. 1 WINGWALL REINFORCING (2 of 2)	PROJ. MANAGER R.M. / BY / DATE DESIGN-DETAILED JAH / JAH / 08/2025 CHECKED-REVIEWED YP / SMH / 08/2025 DESIGN2-DETAILED2 DESIGN3-DETAILED3 REVISIONS 1 REVISIONS 2 REVISIONS 3 REVISIONS 4 FIELD CHANGES	vhb STATE OF MAINE DEPARTMENT OF TRANSPORTATION CAPITAL PROJECTS BRIDGE NO. 6581 WIN 006462.92 BRIDGE PLANS



ABUTMENT NO. 1 SECTION



WINGWALL 1A SECTION

DRAFT NOT FOR CONSTRUCTION

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 006462.92

BRIDGE NO. 6581

BRIDGE PLANS

vhb

PROJ. MANAGER	R.M.	BY	DATE
DESIGN-DETAILED	JAH	JAH	08/2025
CHECKED-REVIEWED	YP	SMH	08/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

MAINE NORTHERN RAILWAY BRIDGE
OVER MAINE NORTHERN RAILWAY
PRESQUE ISLE AROOSTOOK COUNTY

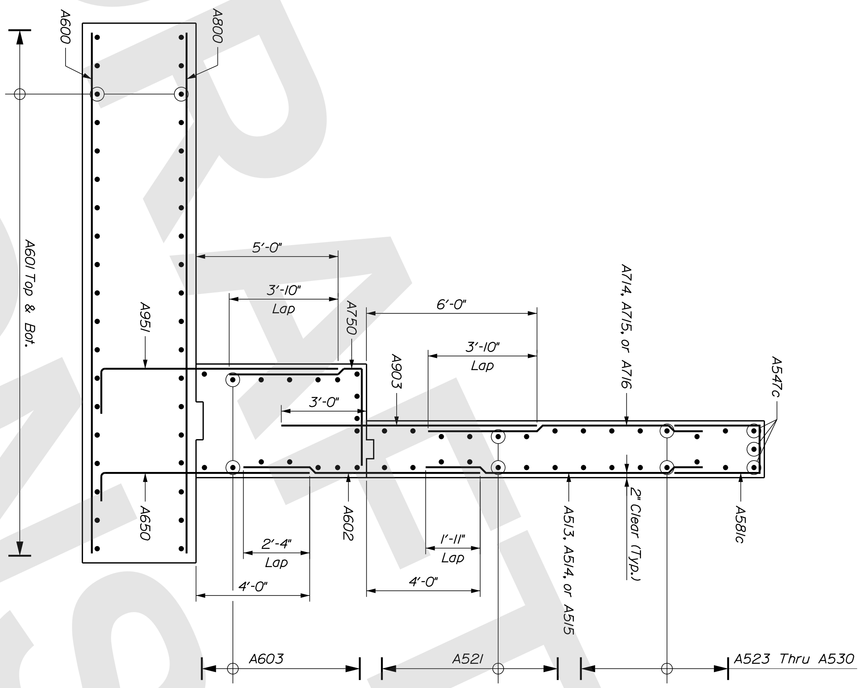
ABUTMENT NO. 1
REINFORCING SECTIONS (1 OF 2)

SHEET NUMBER
B-48
582
OF 747

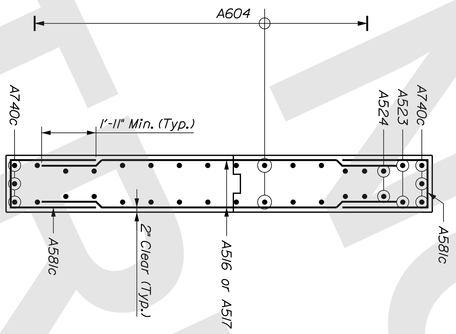
Filename: ...\B40_Abut1_Section_Reinf.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025

DRAFT NOT FOR CONSTRUCTION

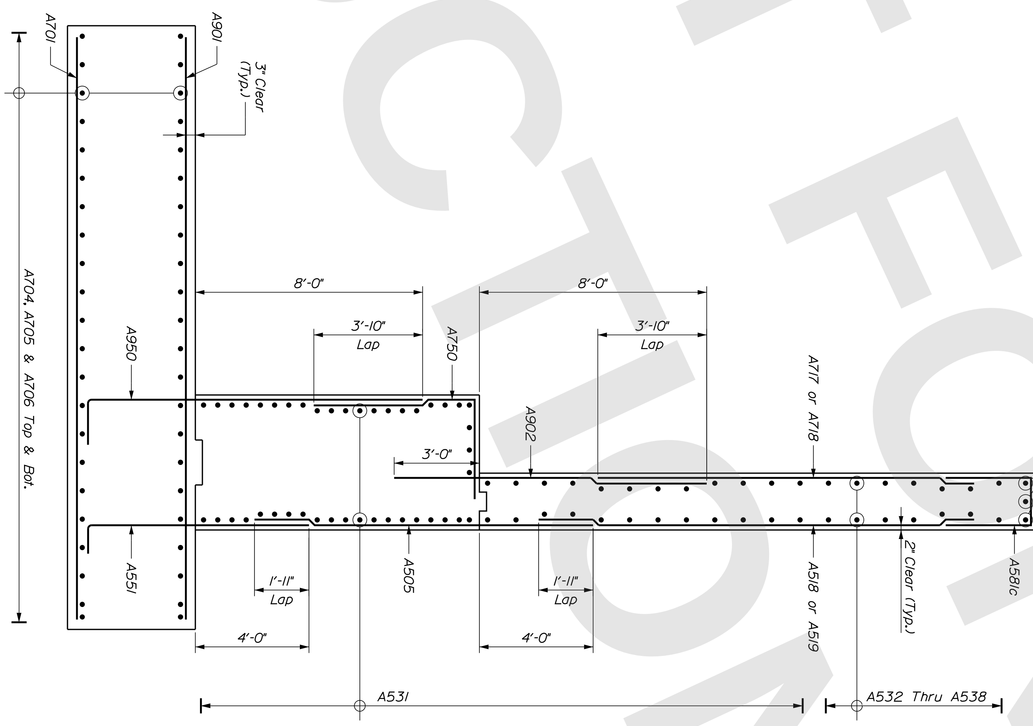
WINGWALL 1B SECTION



WINGWALL 1C SECTION



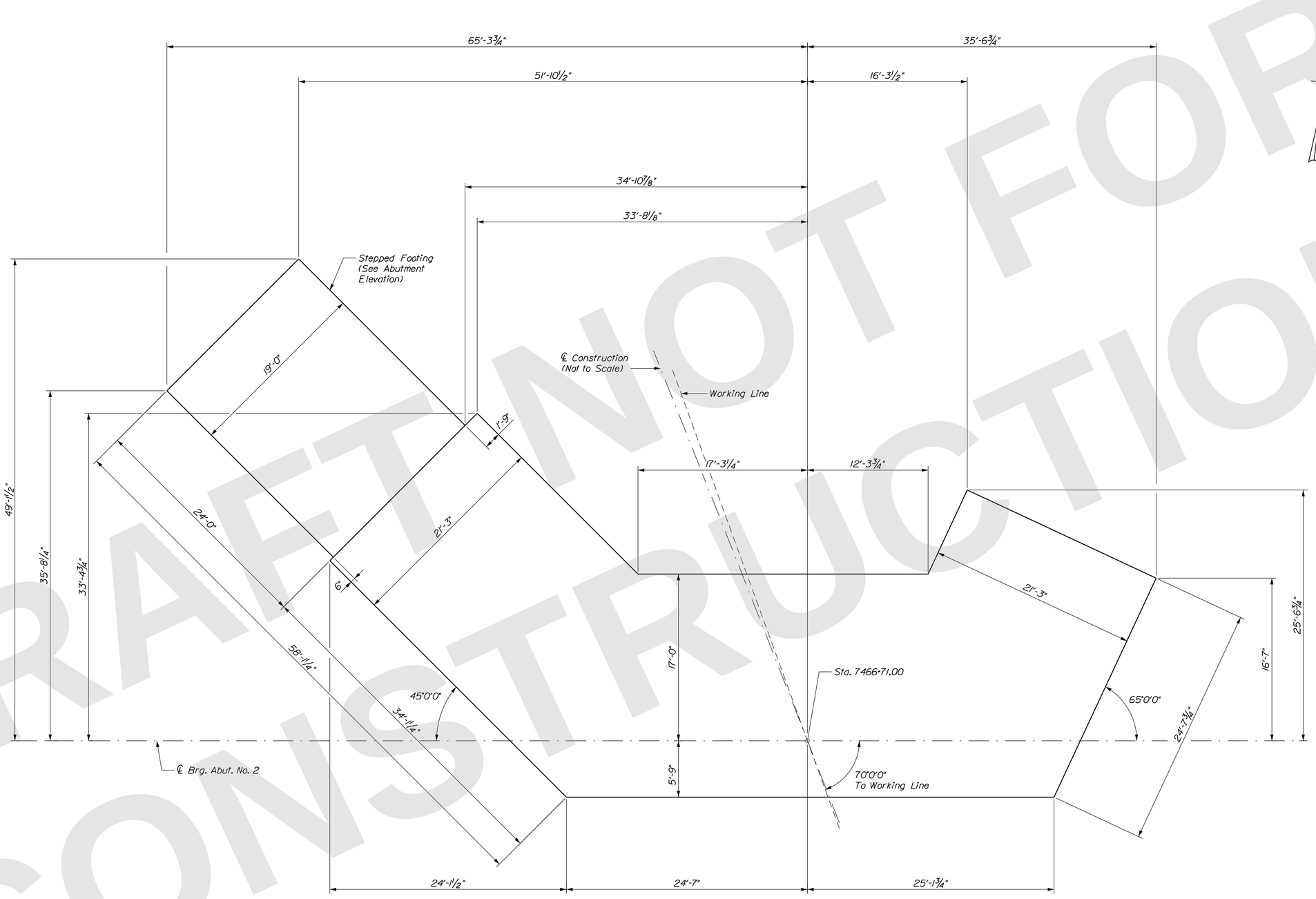
WINGWALL 2 SECTION



MAINE NORTHERN RAILWAY BRIDGE OVER MAINE NORTHERN RAILWAY PRESQUE ISLE AROOSTOOK COUNTY ABUTMENT NO. 1 REINFORCING SECTIONS (2 OF 2)	PROJ. MANAGER	R.M.	BY	DATE
	DESIGN-DETAILED	JAH	JAH	08/2025
	CHECKED-REVIEWED	YP	SMH	08/2025
	DESIGN2-DETAILED2			
	DESIGN3-DETAILED3			
	REVISIONS 1			
	REVISIONS 2			
	REVISIONS 3			
	REVISIONS 4			
	FIELD CHANGES			

SHEET NUMBER B-49 583 OF 747

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
CAPITAL PROJECTS
WIN 006462.92
BRIDGE NO. 6581 BRIDGE PLANS



ABUTMENT NO. 2 FOOTING PLAN

DRAFT NOT FOR CONSTRUCTION

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 006462.92

BRIDGE NO. 6581 BRIDGE PLANS

vhb

	R.M.	DATE
PROJ. MANAGER		
DESIGN-DETAILED	JAH	08/2025
CHECKED-REVIEWED	YP	08/2025
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

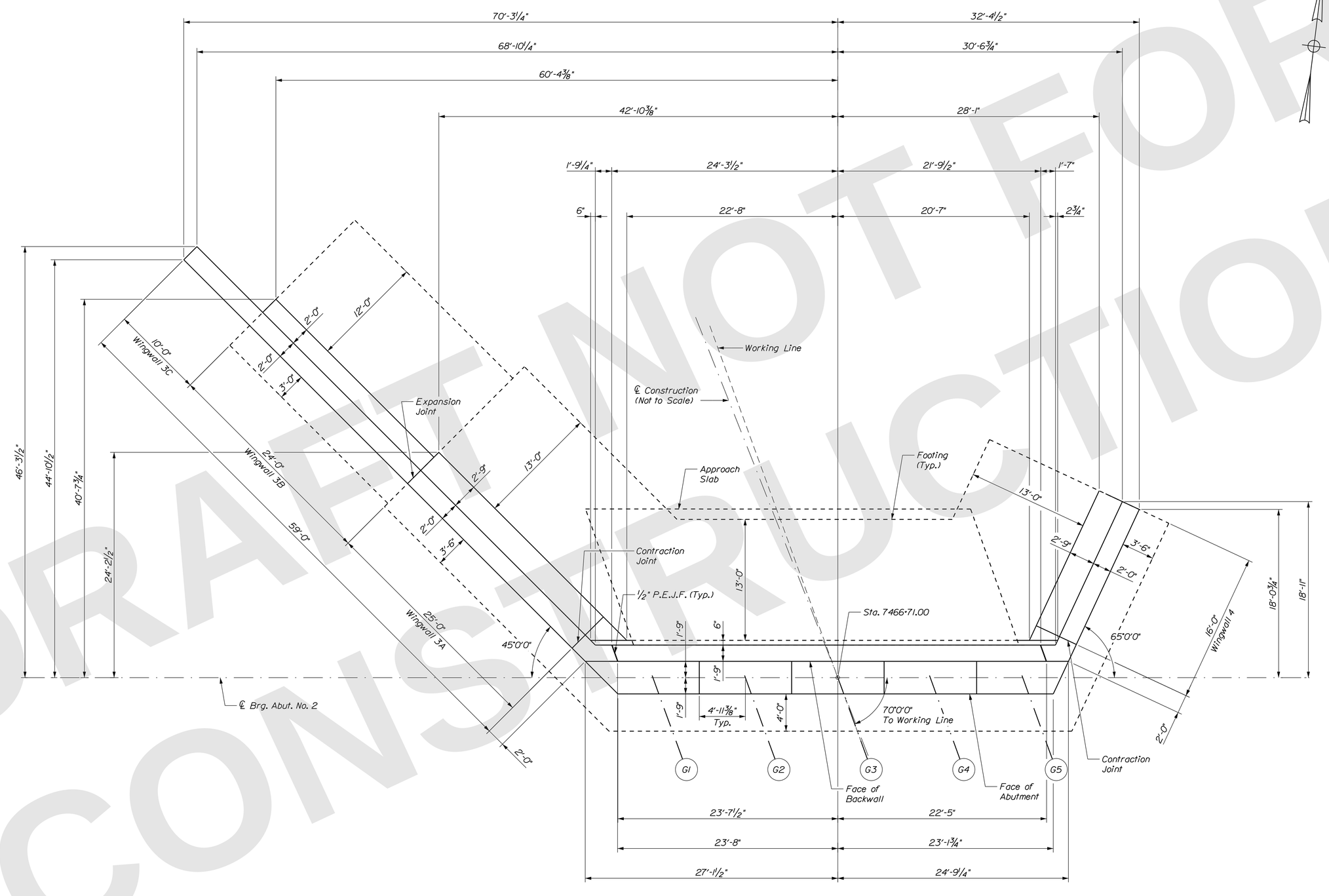
MAINE NORTHERN RAILWAY BRIDGE
OVER MAINE NORTHERN RAILWAY
PRESQUE ISLE AROOSTOOK COUNTY

ABUTMENT NO. 2 FOOTING PLAN

SHEET NUMBER
B-50
584
OF 747

Filename: ...\B20_Abut2Foot_01.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025

Filename: ...\Montreal RR\B21_Abut2_01.dgn Username: jamesdavis Date:9/2/2025



ABUTMENT NO. 2 PLAN

DRAFT NOT FOR CONSTRUCTION

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN **006462.92**

BRIDGE NO. 6581 BRIDGE PLANS

vhb

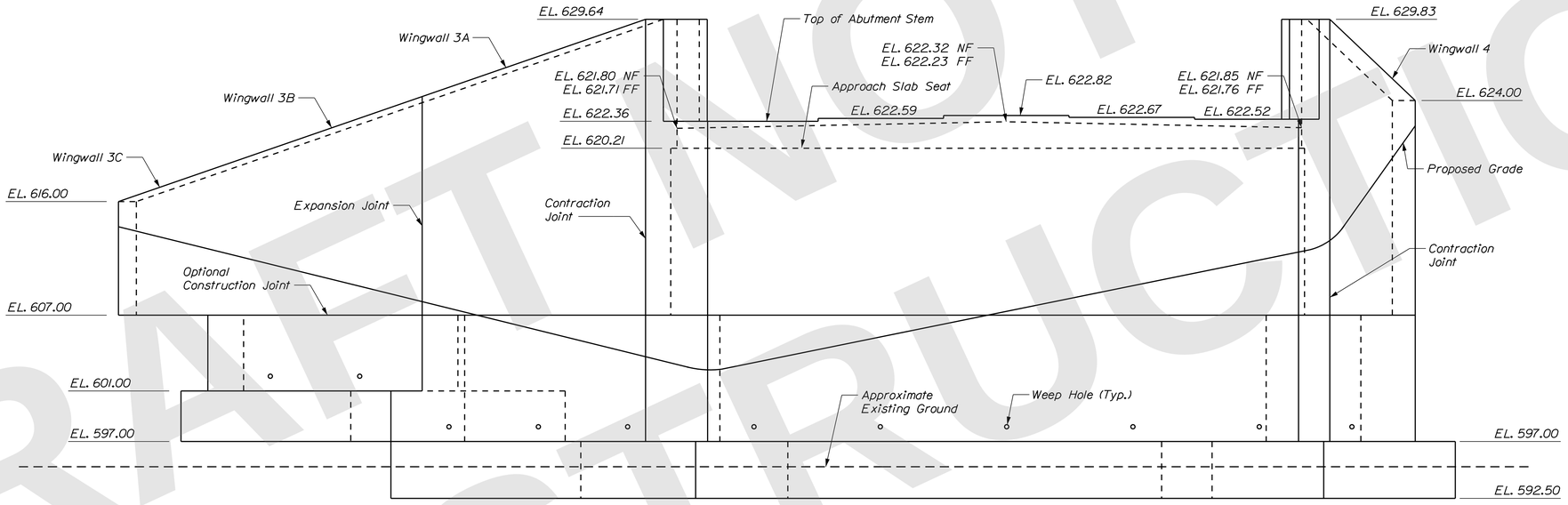
	BY	DATE
R.M.		
PROJ. MANAGER	JAH	08/2025
DESIGN-DETAILED	SMH	08/2025
CHECKED-REVIEWED	YP	
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

MAINE NORTHERN RAILWAY BRIDGE
OVER MAINE NORTHERN RAILWAY
PRESQUE ISLE AROOSTOOK COUNTY

ABUTMENT NO. 2 PLAN

SHEET NUMBER
B-51
585
OF 747

Filename: ...\Montreal\RR\B22_Abut2_02.dgn Username: jamesdavis Division: HIGHWAY Date:9/2/2025



ABUTMENT NO. 2 ELEVATION

DRAFT NOT FOR CONSTRUCTION

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 006462.92

BRIDGE NO. 6581 BRIDGE PLANS

vhb

	BY	DATE
R.M.	JAH	08/2025
	SMH	08/2025

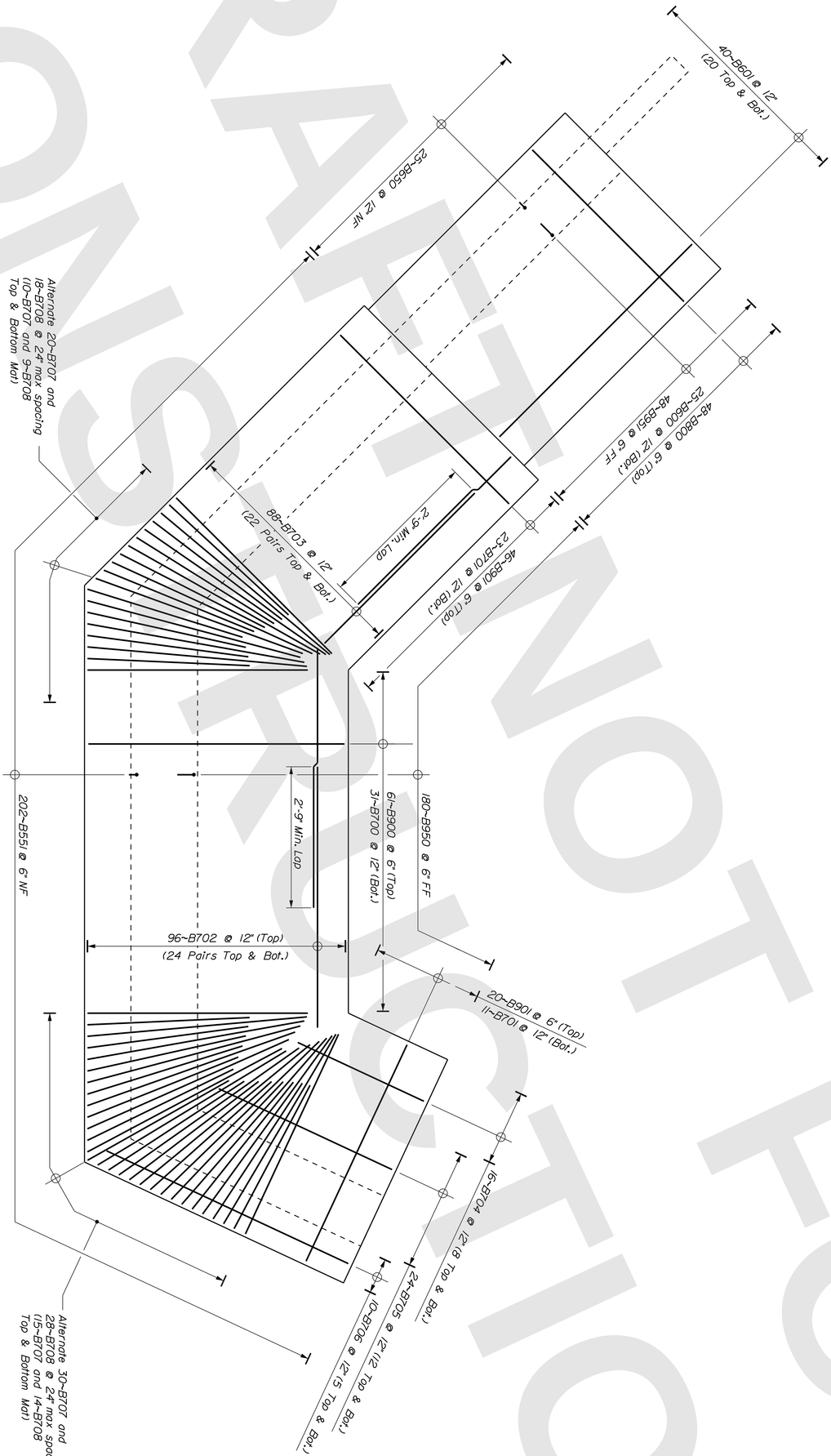
PROJ. MANAGER	
DESIGN-DETAILED	JAH
CHECKED-REVIEWED	YP
DESIGN2-DETAILED2	
DESIGN3-DETAILED3	
REVISIONS 1	
REVISIONS 2	
REVISIONS 3	
REVISIONS 4	
FIELD CHANGES	

MAINE NORTHERN RAILWAY BRIDGE
OVER MAINE NORTHERN RAILWAY
PRESQUE ISLE AROOSTOOK COUNTY

ABUTMENT NO. 2 ELEVATION

SHEET NUMBER
B-52
586
OF 747

DRAFT NOT FOR CONSTRUCTION



ABUTMENT NO. 2 FOOTING REINFORCING PLAN

REINFORCING KEY

EF = Each Face
NF = Near Face
FF = Far Face

MAINE NORTHERN RAILWAY BRIDGE
OVER MAINE NORTHERN RAILWAY
PRESQUE ISLE AROOSTOOK COUNTY

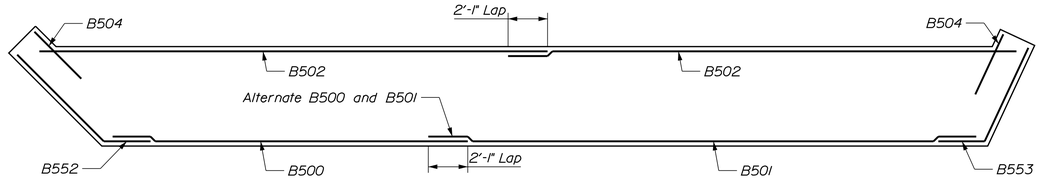
ABUTMENT NO. 2
FOOTING REINFORCING

SHEET NUMBER
B-53
587
OF 747

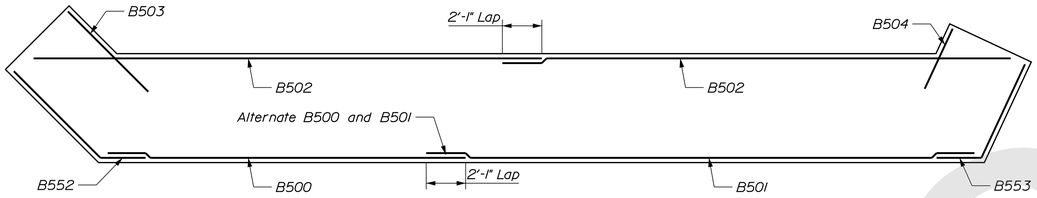
PROJ. MANAGER	R.M.	BY	DATE
DESIGN-DETAILED	JAH	JAH	08/2025
CHECKED-REVIEWED	YP	SMH	08/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

vhb

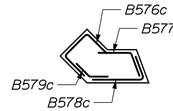
STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
CAPITAL PROJECTS
WIN
BRIDGE NO. 6581 006462.92 BRIDGE PLANS

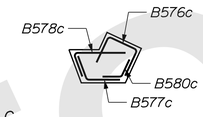


SET B

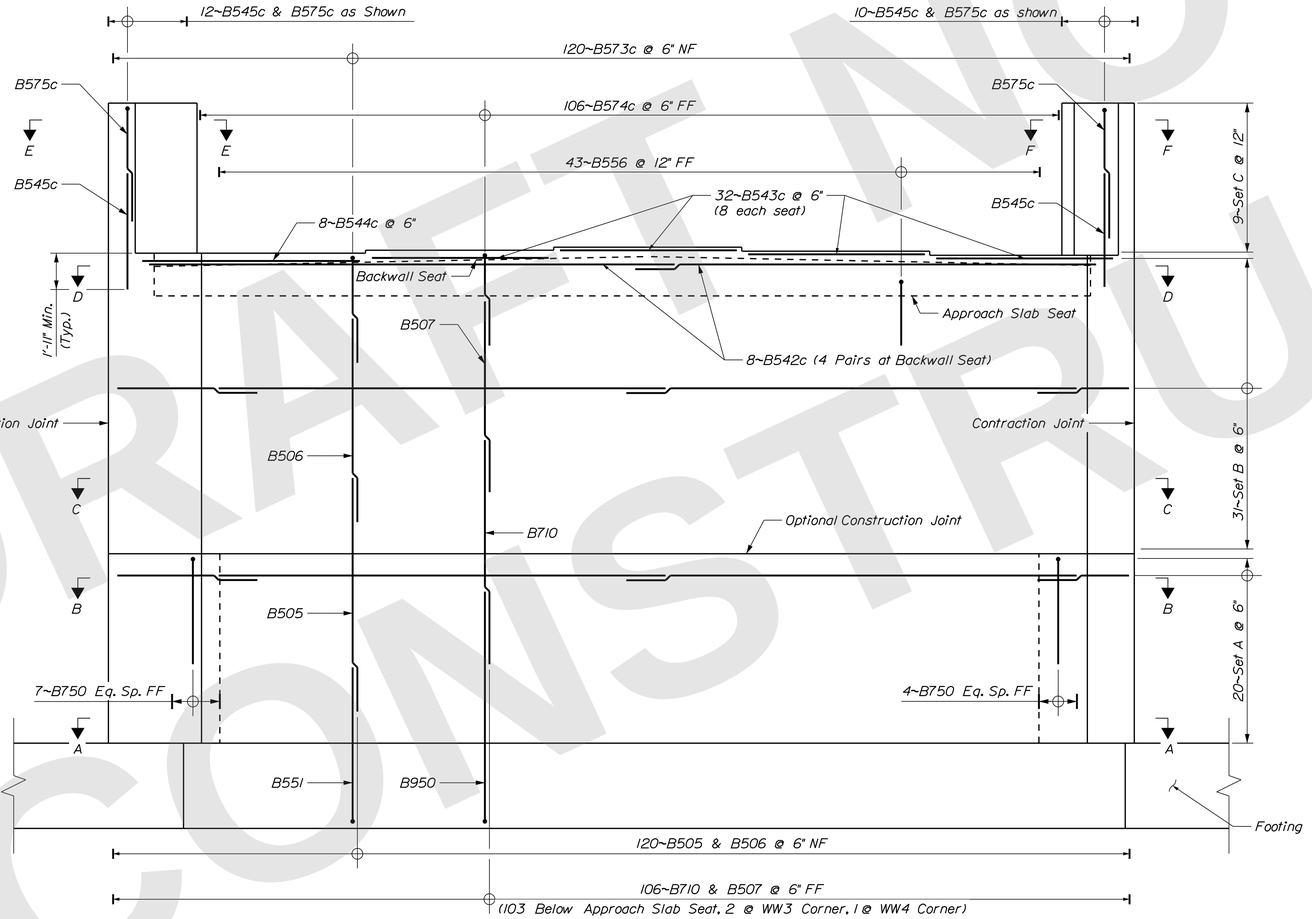


SET A





SET C
(All Chromx)



ABUTMENT NO. 2 REINFORCING ELEVATION
(Wingwalls Beyond Contraction Joints are not Shown for Clarity)

REINFORCING KEY

EF = Each Face
NF = Near Face
FF = Far Face

DRAFT NOT FOR CONSTRUCTION

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 006462.92

BRIDGE NO. 6581

BRIDGE PLANS

vhb

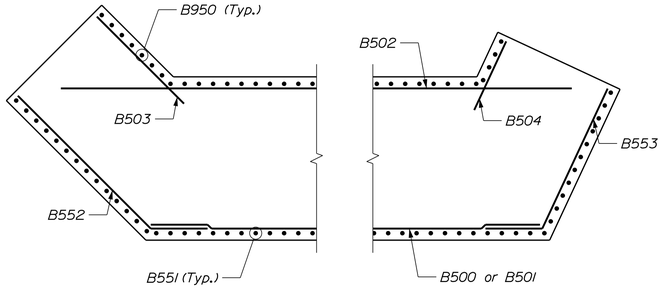
	BY	DATE
PROJ. MANAGER	R.M.	
DESIGN-DETAILED	JAH	08/2025
CHECKED-REVIEWED	YP	08/2025
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

MAINE NORTHERN RAILWAY BRIDGE
OVER MAINE NORTHERN RAILWAY
PRESQUE ISLE AROOSTOOK COUNTY

ABUTMENT NO. 2 STEM REINFORCING (1 OF 2)

SHEET NUMBER
B-54
588
OF 747

Filename: ...\XX2_ABUT2STEMREIN.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025



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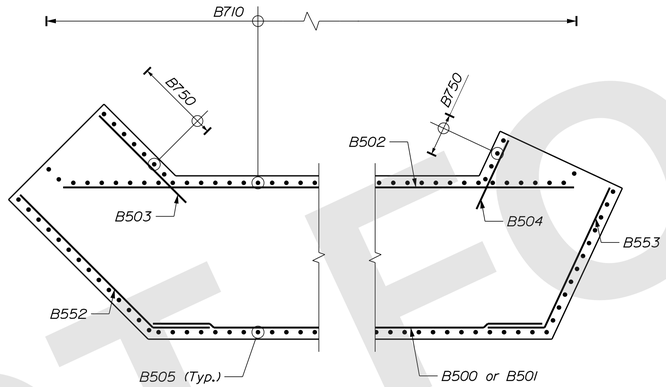

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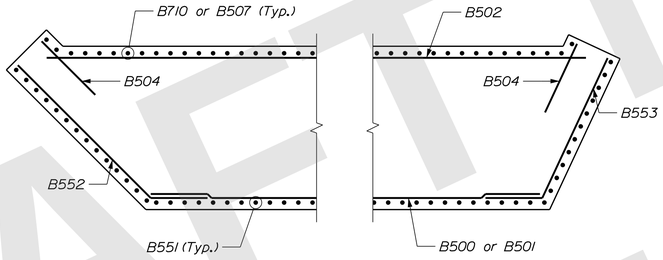

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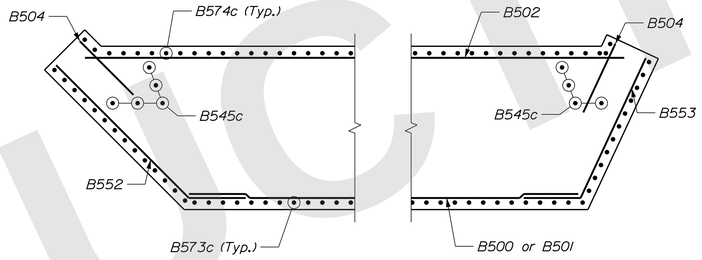

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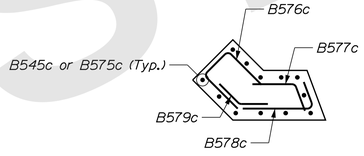

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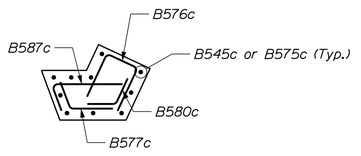


SECTION F-F

DRAFT NOT FOR CONSTRUCTION

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 006462.92

BRIDGE NO. 6581

BRIDGE PLANS

vhb

PROJ. MANAGER	R.M.	BY	DATE
DESIGN-DETAILED	JAH	JAH	08/2025
CHECKED-REVIEWED	YP	SMH	08/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

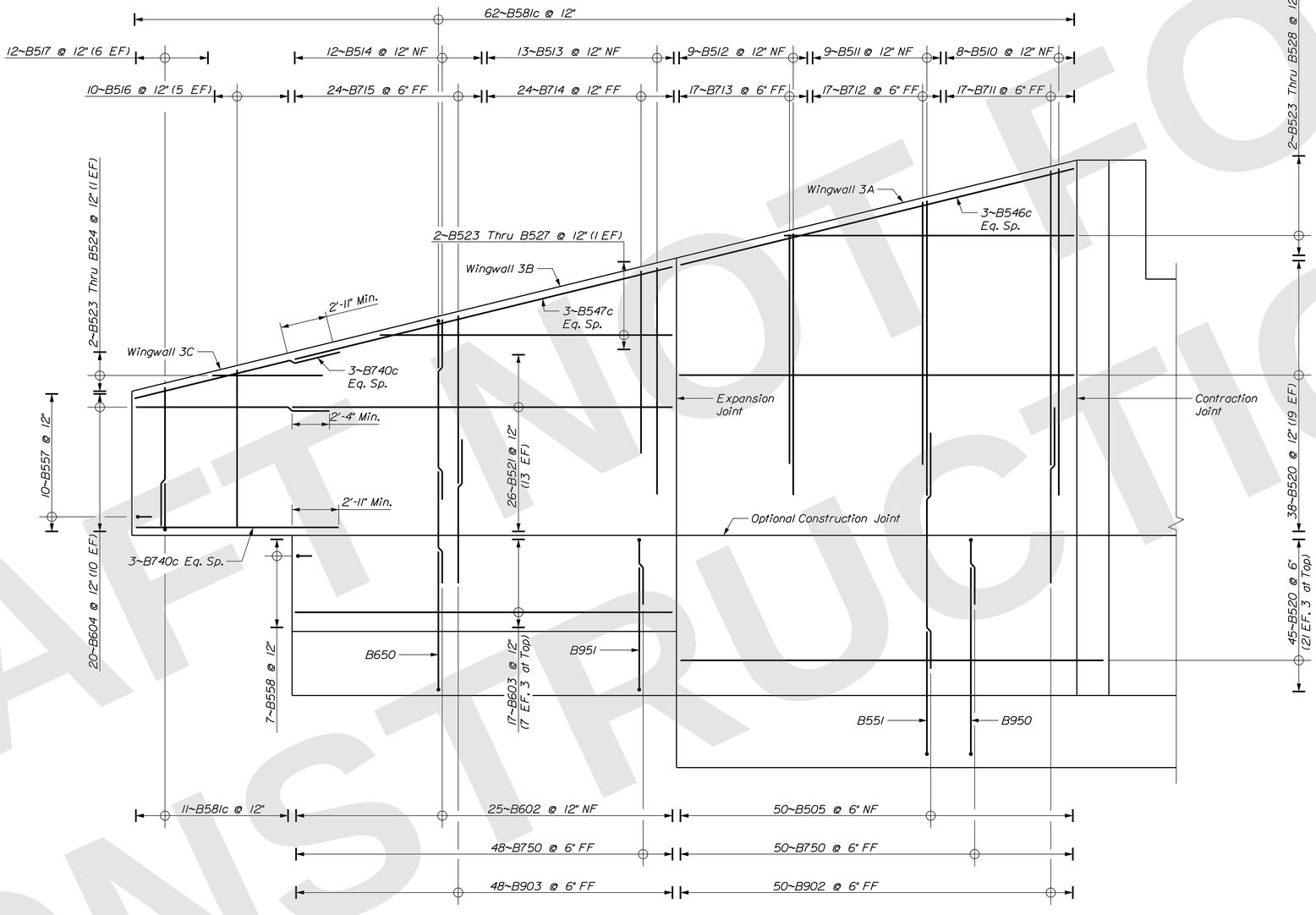
MAINE NORTHERN RAILWAY BRIDGE
OVER MAINE NORTHERN RAILWAY
PRESQUE ISLE AROOSTOOK COUNTY

ABUTMENT NO. 2 STEM
REINFORCING (2 OF 2)

SHEET NUMBER
B-55
589
OF 747

Filename: ...\XX2_ABUT2STEMREIN2.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025

Username: jamesdavis Date:9/2/2025
Division: HIGHWAY
Filename: ...\XX3_ABUT2WWTREIN.dgn



WINGWALL NO. 3 REINFORCING

REINFORCING KEY

EF = Each Face
NF = Near Face
FF = Far Face

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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 006462.92
BRIDGE NO. 6581
BRIDGE PLANS

vhb

	R.M.	BY	DATE
PROJ. MANAGER			
DESIGN-DETAILED	JAH	JAH	08/2025
CHECKED-REVIEWED	YP	SMH	08/2025
DESIGN2-DETAILED2	LED2		
DESIGN3-DETAILED3	LED3		
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

MAINE NORTHERN RAILWAY BRIDGE
OVER MAINE NORTHERN RAILWAY
PRESQUE ISLE AROOSTOOK COUNTY

ABUTMENT NO. 2
WINGWALL REINFORCING (1 of 2)

SHEET NUMBER
B-56
590
OF 747

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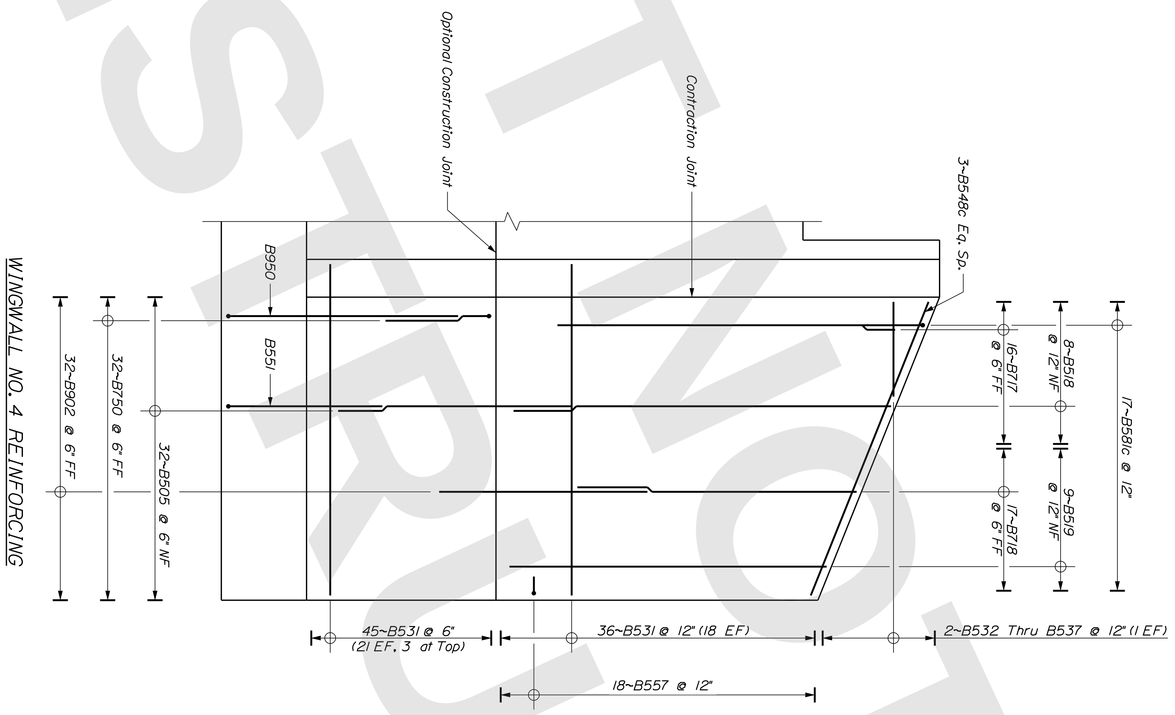
WINGWALL NO. 4 REINFORCING



REINFORCING KEY

EF = Each Face
NF = Near Face
FF = Far Face

SHEET NUMBER B-57 591 OF 747	MAINE NORTHERN RAILWAY BRIDGE OVER MAINE NORTHERN RAILWAY PRESQUE ISLE AROOSTOOK COUNTY ABUTMENT NO. 2 WINGWALL REINFORCING (2 of 2)	PROJ. MANAGER R.M. / BY / DATE DESIGN-DETAILED JAH / JAH / 08/2025 CHECKED-REVIEWED YP / SMH / 08/2025 DESIGN2-DETAILED2 DESIGN3-DETAILED3 REVISIONS 1 REVISIONS 2 REVISIONS 3 REVISIONS 4 FIELD CHANGES	vhb

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
CAPITAL PROJECTS
BRIDGE NO. 6581 **WIN 006462.92** BRIDGE PLANS

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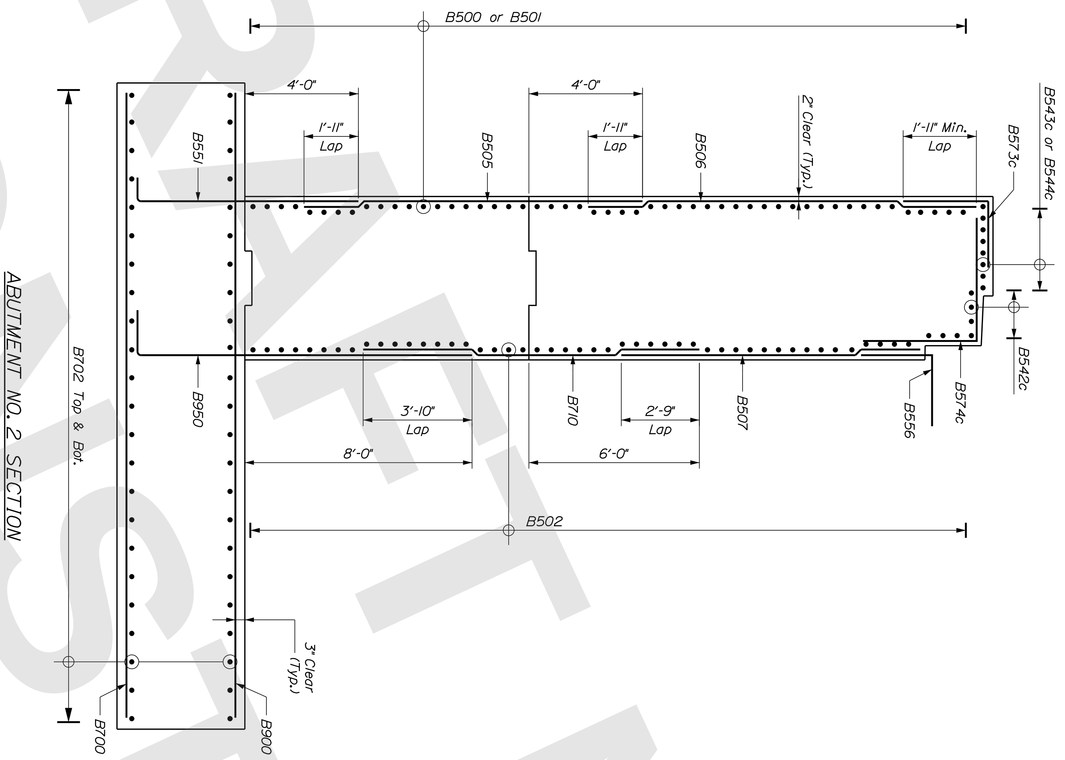
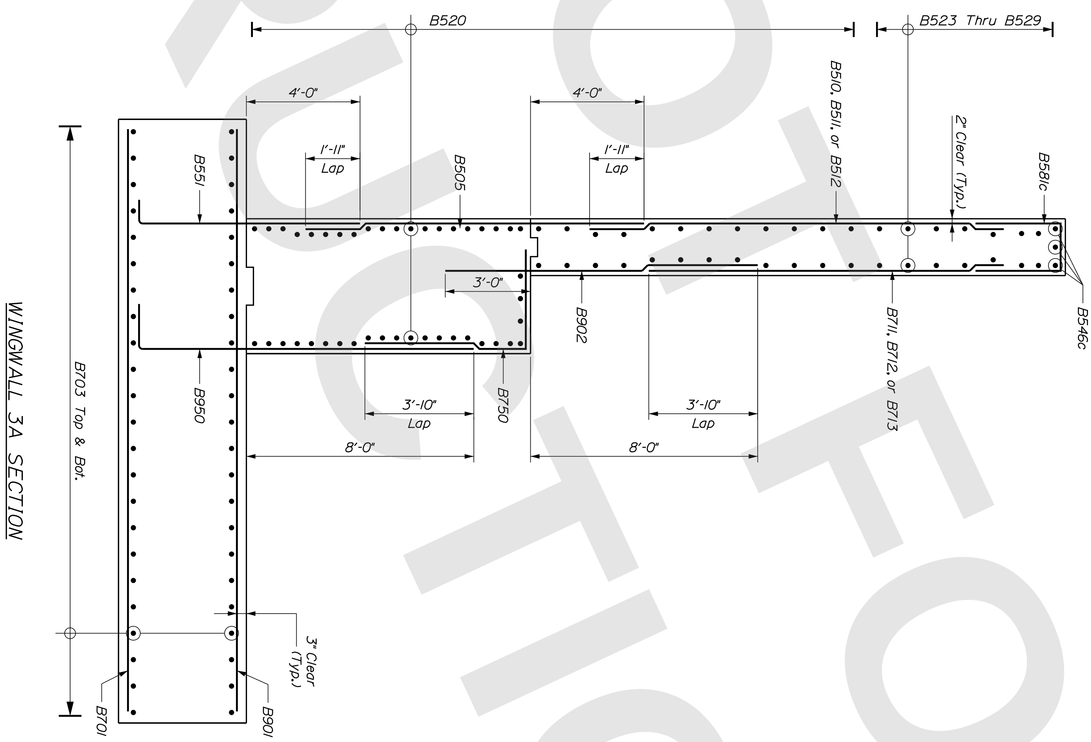


ABUTMENT NO. 2 SECTION



WINGWALL 3A SECTION

PROJ. MANAGER	R.M.	BY	DATE
DESIGN-DETAILED	JAH	JAH	08/2025
CHECKED-REVIEWED	YP	SMH	08/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SHEET NUMBER B-58 592 OF 747

MAINE NORTHERN RAILWAY BRIDGE
OVER MAINE NORTHERN RAILWAY
PRESQUE ISLE AROOSTOOK COUNTY

ABUTMENT NO. 2
REINFORCING SECTIONS (1 OF 2)

vhb

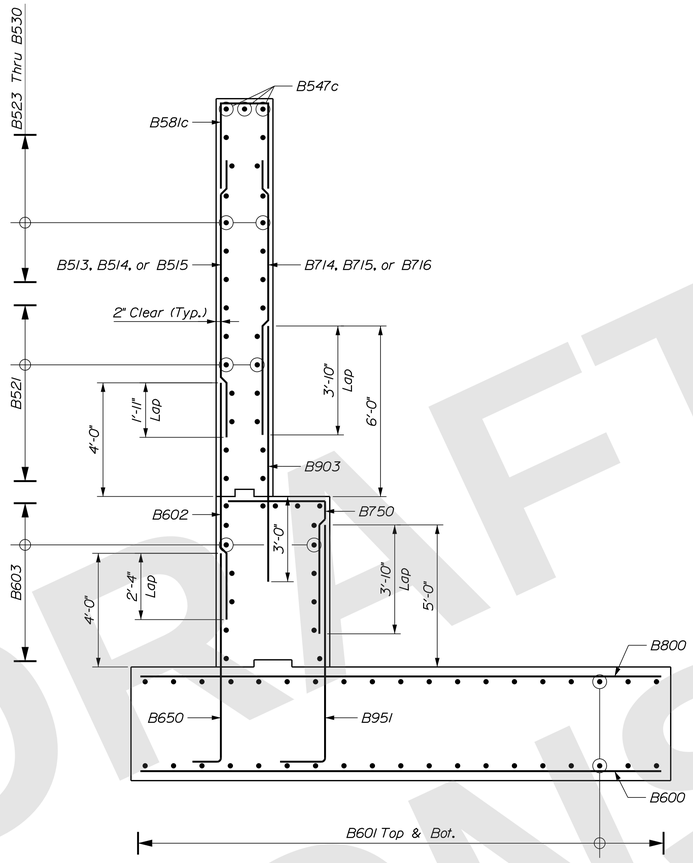
STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

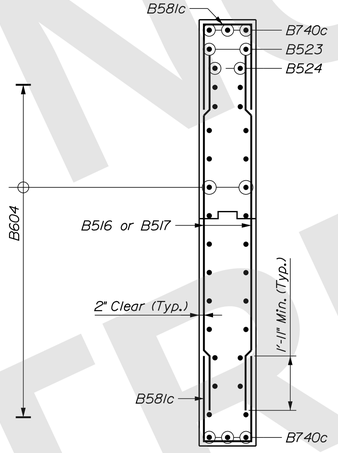
BRIDGE NO. 6581 WIN 006462.92 BRIDGE PLANS

Filename: ...\B40_Abut2_Section_Reinf2.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025

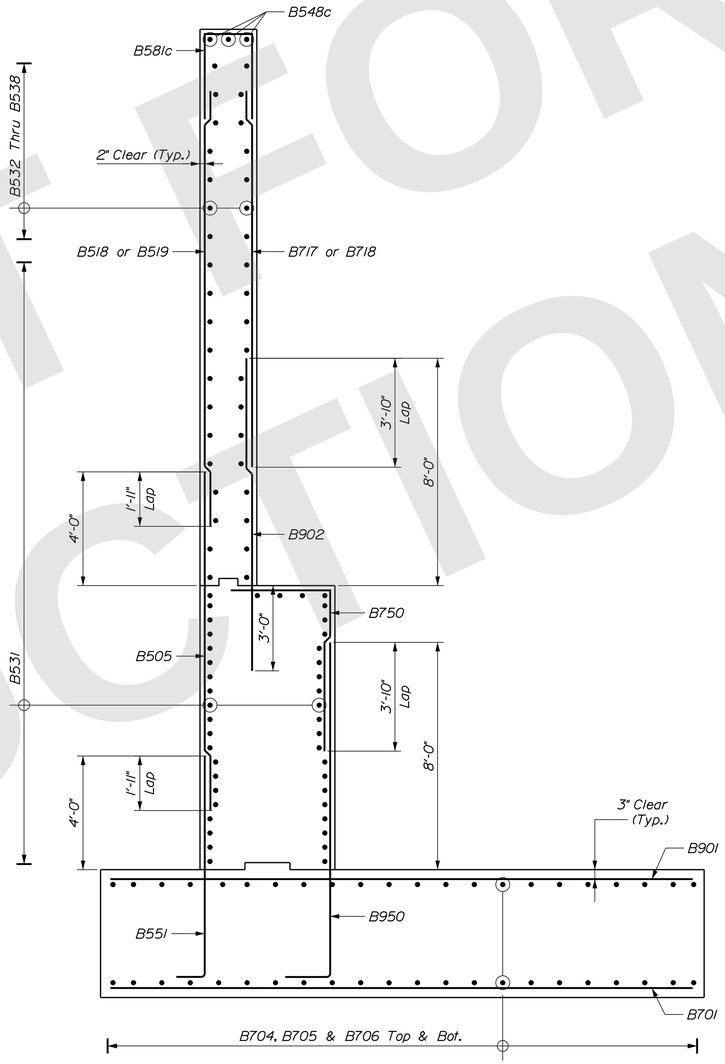
DRAFT NOT FOR CONSTRUCTION



WINGWALL 3B SECTION



WINGWALL 3C SECTION



WINGWALL 4 SECTION

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

BRIDGE NO. 6581 — WIN 006462.92 — BRIDGE PLANS

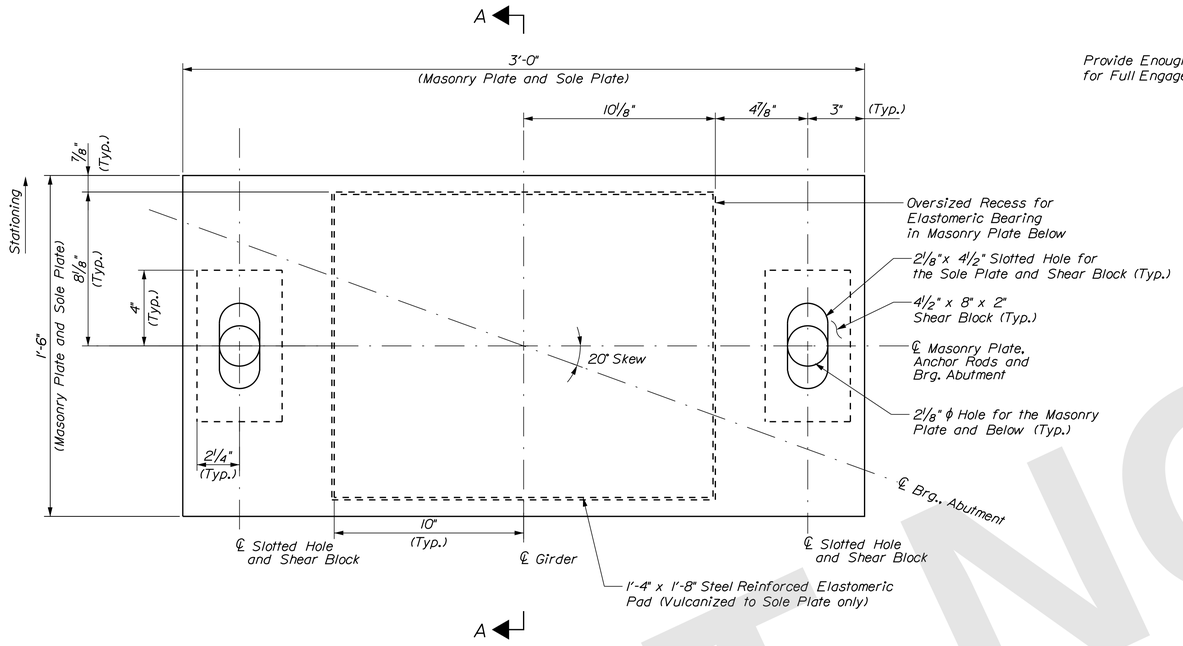
vhb

	BY	DATE
R.M.		
PROJ. MANAGER	JAH	08/2025
DESIGN-DETAILED	JAH	08/2025
CHECKED-REVIEWED	YP	
DESIGN2-DETAILED2	SMH	
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

MAINE NORTHERN RAILWAY BRIDGE
OVER MAINE NORTHERN RAILWAY
PRESQUE ISLE — AROOSTOOK COUNTY

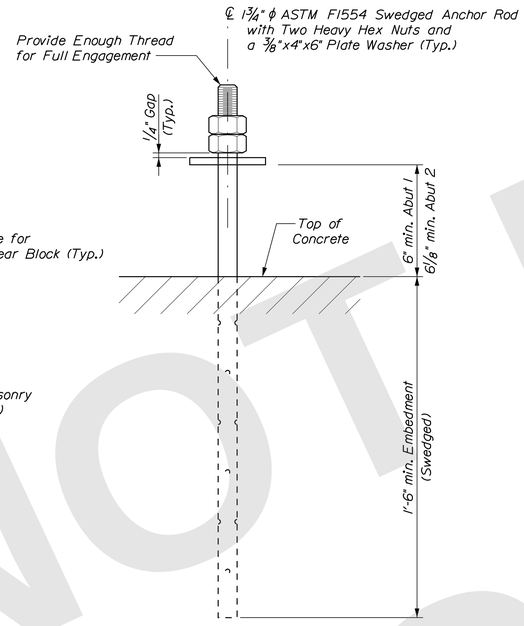
ABUTMENT NO. 2
REINFORCING SECTIONS (2 OF 2)

SHEET NUMBER
B-59
593
OF 747



BEARING PLAN

(Anchor Rods Not Shown)



ANCHOR ROD DETAIL

ELASTOMERIC BEARING NOTES

1. The shear modulus of the elastomer shall be 95 psi.

2. Vulcanization of the elastomer to the steel plates shall be done during the primary mold process. Sole plate shall be vulcanized to the elastomer.

3. Masonry plates, shear blocks and sole plates shall meet the requirements of ASTM A709, Grade 50. Anchor rods shall meet the requirements of ASTM F1554, Grade 105 and shall be swedged on the embedded portion of the rod.

4. Masonry plates shall be galvanized in accordance with Section 506. Sole plates and shear blocks for steel superstructures shall be treated in the same manner as the structural steel. Anchor rods, plate washers and nuts shall be galvanized to ASTM A153 or ASTM B695, Class 50, Type I.

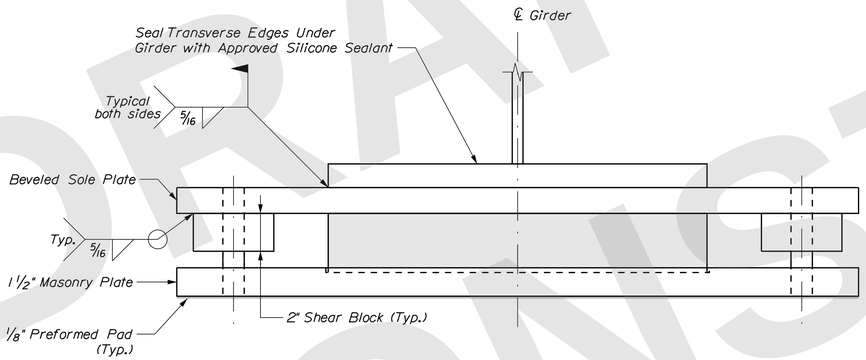
5. All bearings shall be marked prior to shipping. The marks shall include the bearing location on the bridge and a direction arrow that points upstation. All marks shall be permanent and shall be visible after the bearing is installed.

6. Bearings shall be covered during shipping and at any time prior to installation that the bearings may be exposed to sunlight.

7. The superstructure may be erected when the ambient air temperature is within the range of 65°F and 90°F. If the ambient air temperature is outside this range, the bearings shall be reset as directed by the Resident.

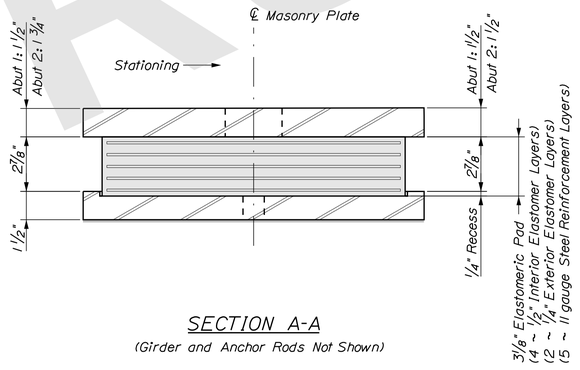
8. All necessary precautions shall be taken to protect bearing components from field weld flash and spatter. Heat from welding operations shall be controlled such that steel adjacent to the elastomer does not exceed 200 °F. The temperature shall be verified by the use of temperature indicating crayons or other suitable means.

9. The "Bearing Design Load" for each bearing as noted in Standard Specifications, subsection 523.23.4, is 286 kips. This is the total load for the Service I load combination, without impact.



BEARING ELEVATION

(Anchor Rods Not Shown)



SECTION A-A

(Girder and Anchor Rods Not Shown)

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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 006462.92

BRIDGE NO. 6581

BRIDGE PLANS

vhb

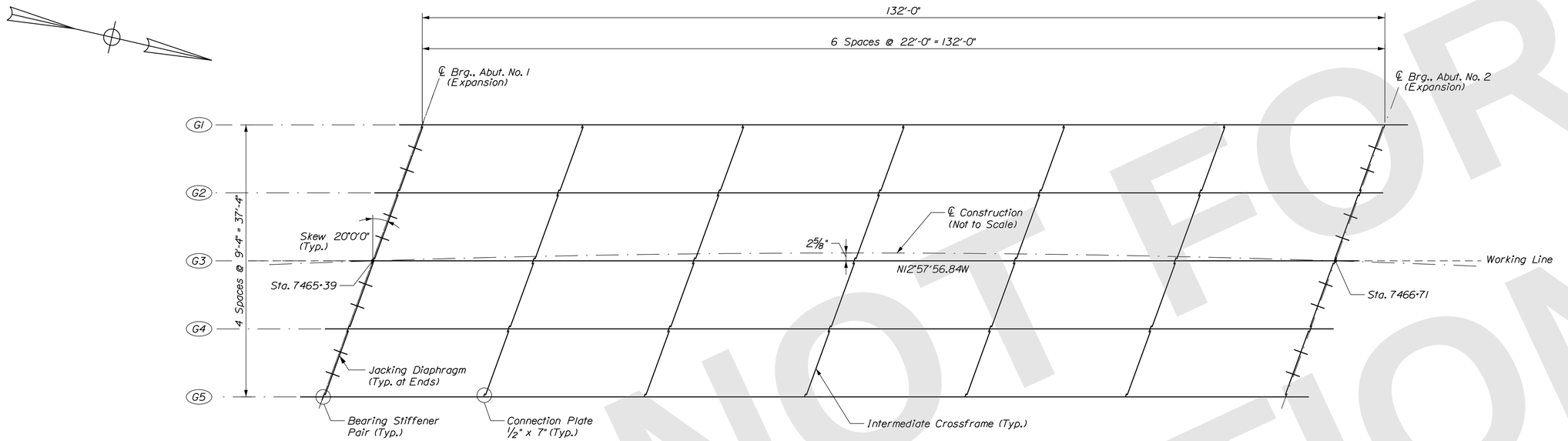
PROJ. MANAGER		R.M.	
DESIGN-DETAILED	JEP	JAH	08/2025
CHECKED-REVIEWED	ELW	SMH	08/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

MAINE NORTHERN RAILWAY BRIDGE
OVER MAINE NORTHERN RAILWAY
PRESQUE ISLE AROOSTOOK COUNTY

BEARING DETAILS

SHEET NUMBER
B-60
594
OF 747

Username: jamesdavis Division: HIGHWAY Date:9/2/2025
Filename: ...\B23_Bearing_Details.dgn



FRAMING PLAN

NOTE: All intermediate crossframes are Type L

STRUCTURAL STEEL NOTES

1. Camber ordinates, as shown, are computed to compensate for all dead load deflections and for the curvature of the finished grade profile.

2. No transverse butt weld splices will be allowed in the flange plates or web plates within 10 feet or 10 percent of the span length (whichever is greater) from the point of maximum positive moment. Butt weld splices in flanges shall be not less than one foot from transverse butt welds in the web plates and no transverse web or flange butt welds shall be located within one foot of other transverse welds (e.g. connection plates to web welds) on either flange or web. No transverse butt weld splices will be allowed in areas of stress reversal.

3. Sections of flange plates or web plates between transverse shop splices or between a transverse shop splice and a field splice shall be at least 20 feet in length unless otherwise shown on the plans.

4. Bearing stiffeners shall be plumb after erection and dead loading of the structure.

5. Crossframe connection plates may be either plumb or normal to the top flange.

6. All connection plate and stiffener welds shall be 5/16" fillet welds except 1/4" fillet welds may be used along the web of connection plates.

7. Structural steel was designed with a vertical construction live load of 50 psf and a lateral wind velocity during construction of 115 mph.

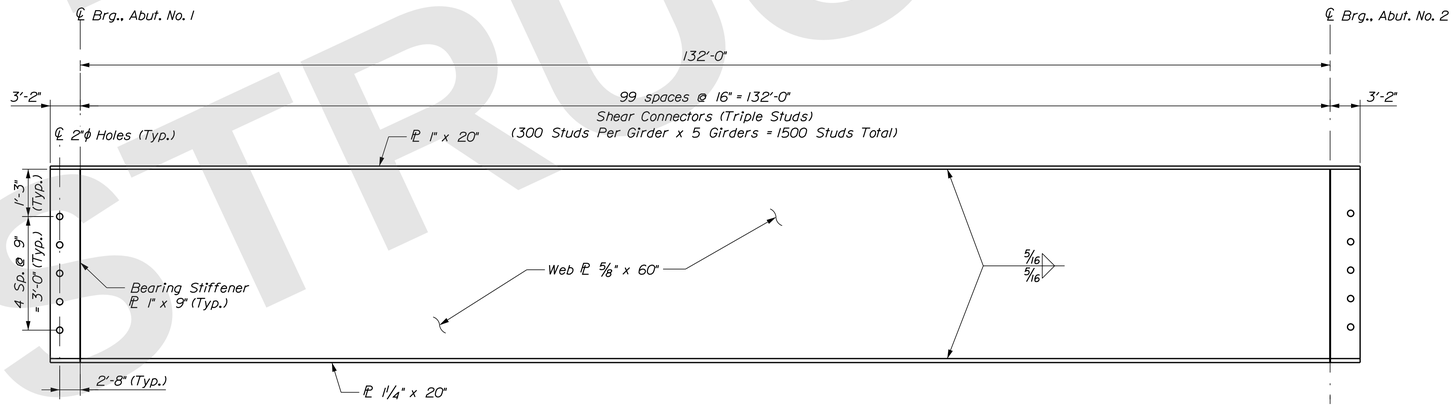
8. All bolts, nuts, and washers shall be Hot-Dipped Galvanized in accordance with ASTM A153.

9. Ends of girder webs shall be vertical under full dead load.

10. All structural steel including the girders, stiffeners, connection plates, crossframes shall be coated with Thermal Spray Coating in accordance with Standard Specifications Section 506, Shop Applied Protective Coating.

11. At the Contractor's option, the crossframes may be Hot-Dipped Galvanized in accordance with Standard Specifications Section 506, Shop Applied Protective Coating, as approved by the Resident. Payment will be considered incidental to Item 506.9104, Thermal Spray Coating (Shop Applied), no separate payment will be made.

12. All web plates and bottom flange plates are subject to tension or stress reversal.



GIRDER ELEVATION

(Intermediate Crossframe Connection Plates Not Shown)

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 006462.92

BRIDGE NO. 6581

BRIDGE PLANS

vhb

	BY	DATE
R.M.	JAH	08/2025
	SMH	08/2025

PROJ. MANAGER	
DESIGN-DETAILED	JEP
CHECKED-REVIEWED	ELW
DESIGN2-DETAILED2	
DESIGN3-DETAILED3	
REVISIONS 1	
REVISIONS 2	
REVISIONS 3	
REVISIONS 4	
FIELD CHANGES	

MAINE NORTHERN RAILWAY BRIDGE
OVER MAINE NORTHERN RAILWAY
PRESQUE ISLE AROOSTOOK COUNTY

FRAMING PLAN & GIRDER ELEVATION

SHEET NUMBER
B-61
595
OF 747

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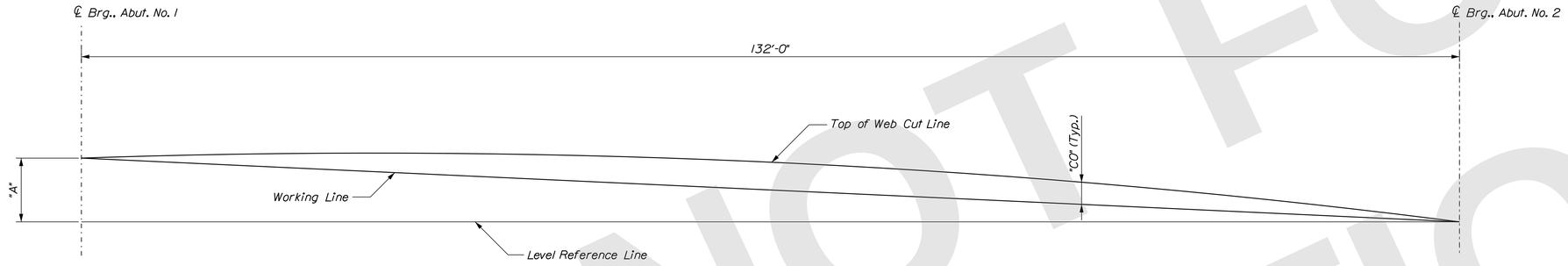
Filename: ...\B24_Framing Plan & Beam Elev.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025

Filename: ...\B42_Girder Details.dgn Username: jamesdavis Division: HIGHWAY Date:9/2/2025



CAMBER DIAGRAM
All Girders

TABLE OF DEFLECTIONS AND GEOMETRIC CAMBER (Inches)

Girder	Description	℄ Brg., Abut. No. 1	12'	24'	36'	48'	60'	72'	84'	96'	108'	120'	℄ Brg., Abut. No. 2
All Girders	Steel Dead Load	0.00	0.39	0.74	1.03	1.23	1.34	1.34	1.23	1.03	0.74	0.39	0.00
	Fluid Dead Load	0.00	1.26	2.41	3.35	4.01	4.36	4.36	4.01	3.35	2.41	1.26	0.00
	Superimposed Dead Load	0.00	0.34	0.64	0.90	1.07	1.17	1.17	1.07	0.90	0.64	0.34	0.00
	Total Load	0.00	1.98	3.79	5.27	6.32	6.86	6.86	6.32	5.27	3.79	1.98	0.00
	Geometric Camber	0.00	0.29	0.52	0.69	0.81	0.87	0.87	0.81	0.69	0.52	0.29	0.00

BOTTOM OF SLAB ELEVATIONS (Feet)

Girder	℄ Brg., Abut. No. 1	12'	24'	36'	48'	60'	72'	84'	96'	108'	120'	℄ Brg., Abut. No. 2
G1	629.68	629.71	629.72	629.71	629.66	629.58	629.45	629.28	629.08	628.83	628.57	628.28
G2	629.89	629.92	629.94	629.93	629.88	629.80	629.67	629.51	629.30	629.06	628.80	628.51
G3	630.11	630.14	630.16	630.15	630.10	630.02	629.90	629.73	629.53	629.29	629.02	628.74
G4	629.95	629.98	630.00	629.99	629.95	629.87	629.74	629.58	629.38	629.14	628.88	628.60
G5	629.79	629.82	629.84	629.84	629.79	629.71	629.59	629.43	629.23	628.99	628.73	628.45

TABLE OF CAMBER ORDINATES "CO" (Inches)

Girder	℄ Brg., Abut. No. 1	12'	24'	36'	48'	60'	72'	84'	96'	108'	120'	℄ Brg., Abut. No. 2
All Girders	0.00	2.27	4.31	5.97	7.13	7.73	7.73	7.13	5.97	4.31	2.27	0.00

TABLE OF CAMBER DIMENSIONS (Feet)

Girder	"A"
G1	1.39
G2	1.38
G3	1.36
G4	1.35
G5	1.33

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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 006462.92

BRIDGE NO. 6581 BRIDGE PLANS

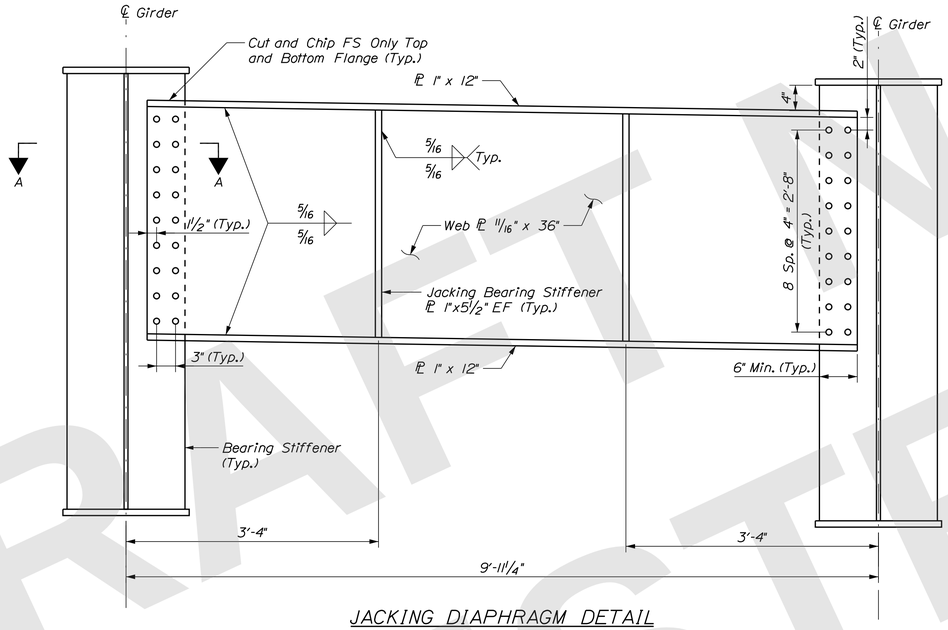
vhb

	BY	DATE
R.M.		
PROJ. MANAGER	JEP	
DESIGN-DETAILED	JAH	08/2025
CHECKED-REVIEWED	ELW	08/2025
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

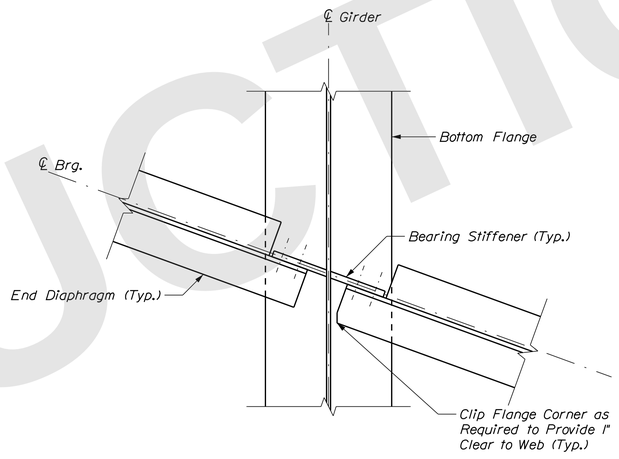
MAINE NORTHERN RAILWAY BRIDGE
OVER MAINE NORTHERN RAILWAY
PRESQUE ISLE AROOSTOOK COUNTY

GIRDER DETAILS (1 of 2)

SHEET NUMBER
B-62
596
OF 747



JACKING DIAPHRAGM DETAIL
Dimensions Shown are Along Skew
(One Interior Bay Shown Only)



SECTION A-A
(Interior Girder Shown)

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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

BRIDGE NO. 6581 — **WIN 006462.92** — BRIDGE PLANS

vhb

PROJ. MANAGER	R.M.
DESIGN-DETAILED	JEP
CHECKED-REVIEWED	ELW
DESIGN2-DETAILED2	
DESIGN3-DETAILED3	

	BY	DATE
REVISIONS 1	JAH	08/2025
REVISIONS 2	SMH	08/2025
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

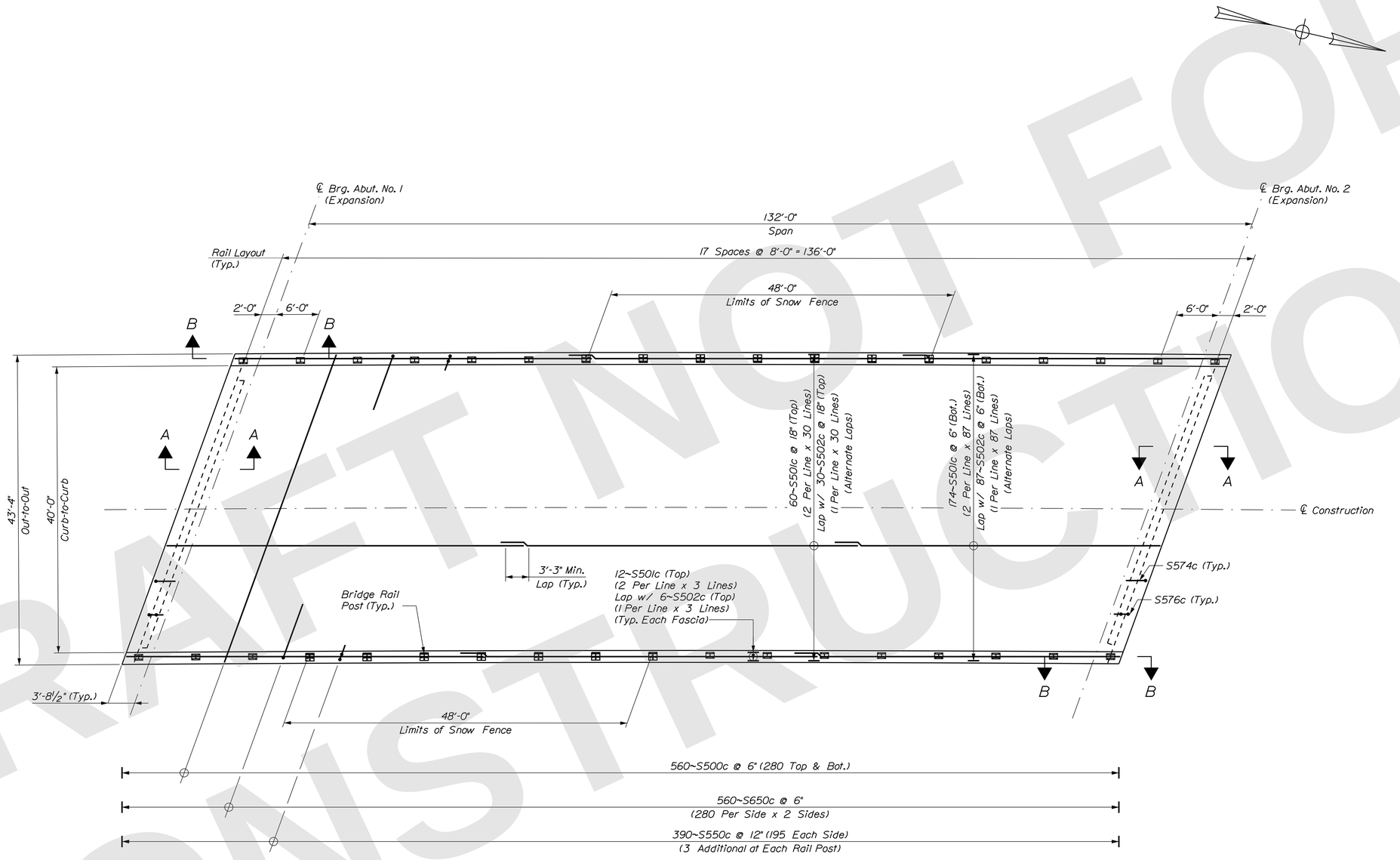
MAINE NORTHERN RAILWAY BRIDGE
OVER MAINE NORTHERN RAILWAY
PRESQUE ISLE — AROOSTOOK COUNTY

GIRDER DETAILS (2 OF 2)

SHEET NUMBER
B-63
597
OF 747

Filename: ...\B57_Girder Details 2.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025

Filename: ...\Montreal RR\B25_SuperPlan.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025



SUPERSTRUCTURE REINFORCING PLAN

(Bridge Rail and Snow Fence Not Shown for Clarity)

NOTE

1. See Superstructure Backwall and Deck End Details Sheet for Sections A-A and B-B.

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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN **006462.92**

BRIDGE NO. 6581 BRIDGE PLANS

vhb

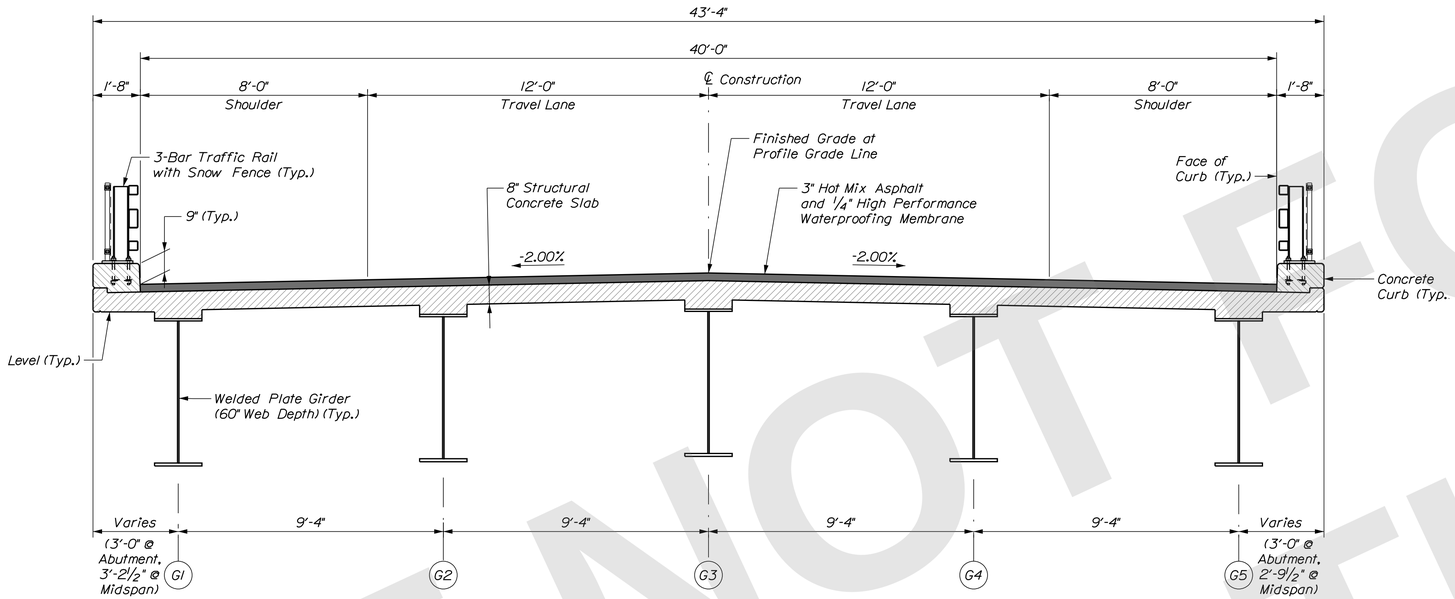
PROJ. MANAGER	R.M.	BY	DATE
DESIGN-DETAILED	JEP	JAH	08/2025
CHECKED-REVIEWED	ELW	SMH	08/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

MAINE NORTHERN RAILWAY BRIDGE
OVER MAINE NORTHERN RAILWAY
PRESQUE ISLE AROOSTOOK COUNTY

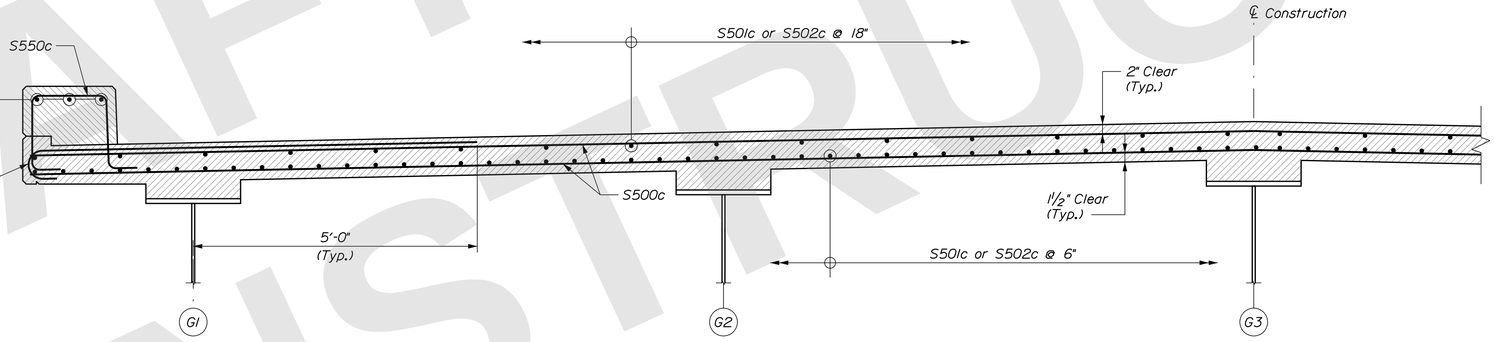
SUPERSTRUCTURE REINFORCING PLAN

SHEET NUMBER
B-64
598
OF 747

Username: jamesdavis Date:9/2/2025
Division: HIGHWAY
Filename: ...\B26_SuperSec_01.dgn



SUPERSTRUCTURE SECTION



PARTIAL DECK REINFORCING SECTION

SUPERSTRUCTURE NOTES

1. The theoretical blocking used for design of the structure is 3.75 inches at the centerline of bearing of the abutments. Refer to Standard Detail 502(03) for blocking details.

2. Reinforcing steel shall have a minimum concrete cover of 2 inches unless otherwise noted.

3. Form a one inch V-groove on the fascias at the horizontal joint between the curb and slab.

4. The superstructure slab and end diaphragm concrete shall be placed continuously and shall be kept plastic until the entire placement has been made.

5. Precast Concrete Deck Panels are not allowed on this project.

6. The Contractor shall stagger splice locations of longitudinal deck reinforcing.

7. End diaphragm concrete will be paid for under Item No. 502.26, Structural Concrete Roadway and Sidewalk Slabs on Steel Bridges and shall be placed with the deck.

DRAFT NOT FOR CONSTRUCTION

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 006462.92

BRIDGE NO. 6581

BRIDGE PLANS

vhb

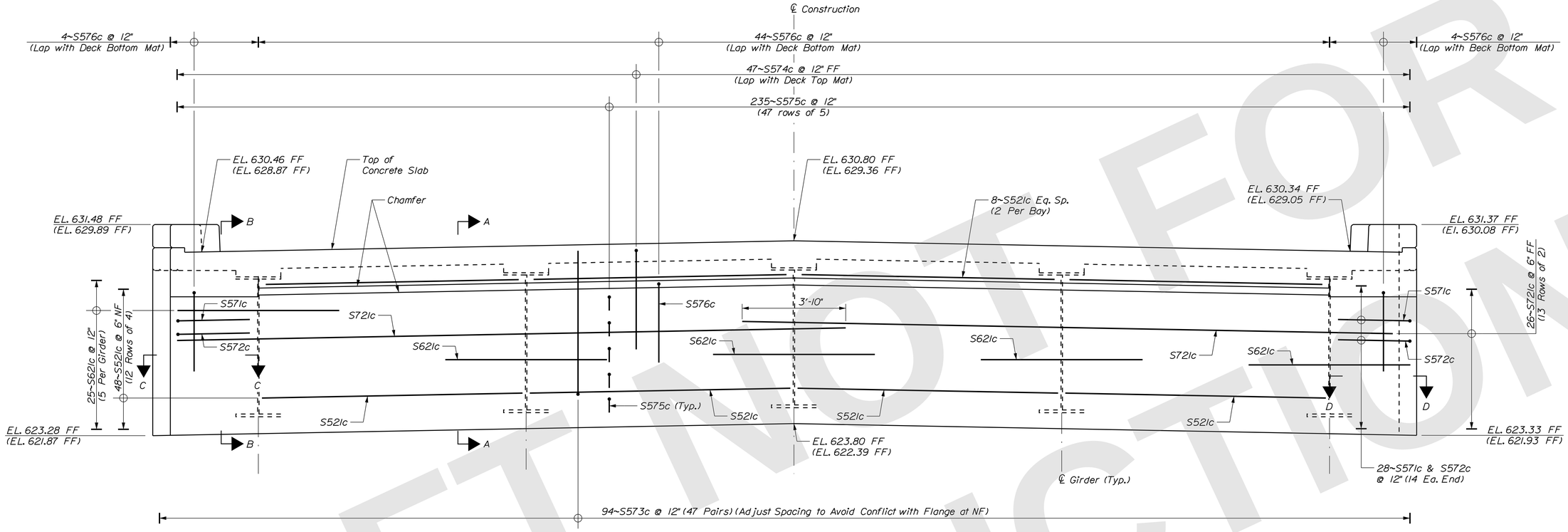
	BY	DATE
PROJ. MANAGER	R.M.	
DESIGN-DETAILED	JEP	08/2025
CHECKED-REVIEWED	ELW	08/2025
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

MAINE NORTHERN RAILWAY BRIDGE
OVER MAINE NORTHERN RAILWAY
PRESQUE ISLE AROOSTOOK COUNTY

SUPERSTRUCTURE SECTION

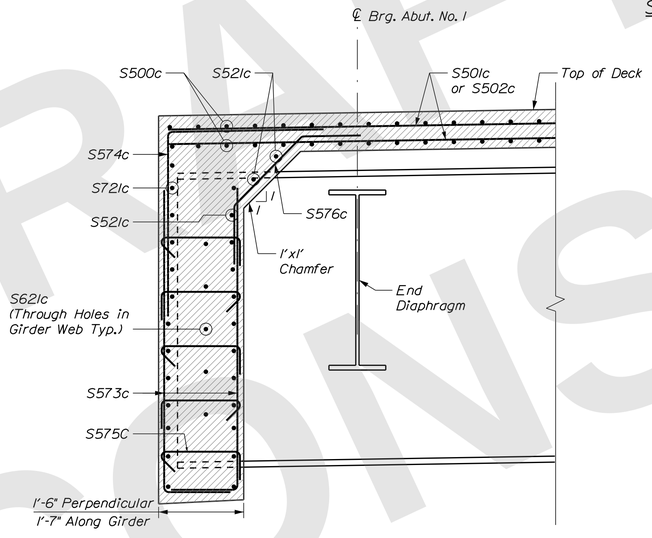
SHEET NUMBER
B-65
599
OF 747

Username: jamesdavis
Division: HIGHWAY
Filename: ...\B45_Abut1Super1.dgn
Date:9/2/2025

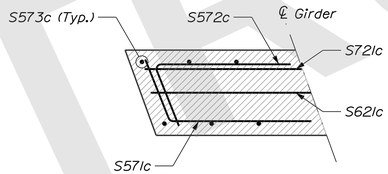


SUPERSTRUCTURE BACKWALL ELEVATION AND REINFORCING

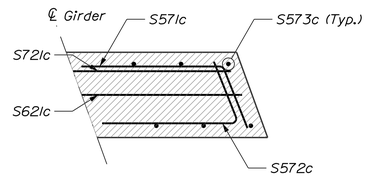
Note: All Ties and Stirrups are Placed Parallel to Girder
(Reinforcing Details at Abutment No. 1 Shown, Abutment No. 2 Similar)
(Abutment No. 2 Elevations Shown in Parentheses)



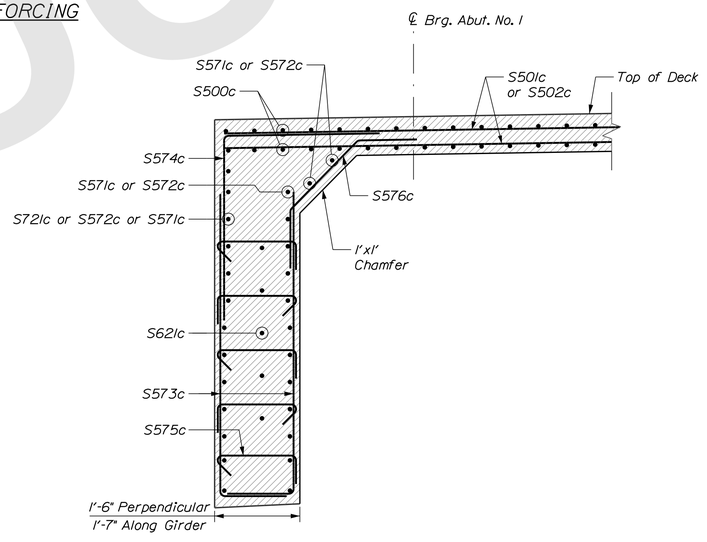
SECTION A-A
(Section Cut Perpendicular to Abutment No. 1)



SECTION C-C



SECTION D-D



SECTION B-B
(Section Cut Perpendicular to Abutment No. 1)
(Exterior Bay at G5 Shown, Other Similar)
(Curb Not Shown for Clarity)

DRAFT NOT FOR CONSTRUCTION

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN **006462.92**

BRIDGE NO. 6581

BRIDGE PLANS

vhb

			DATE
PROJ. MANAGER	R.M.		
DESIGN-DETAILED	JAH	JAH	08/2025
CHECKED-REVIEWED	YP	SMH	08/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

MAINE NORTHERN RAILWAY BRIDGE
OVER MAINE NORTHERN RAILWAY
PRESQUE ISLE AROOSTOOK COUNTY

SUPERSTRUCTURE BACKWALL & DECK END DETAILS

SHEET NUMBER
B-66
600
OF 747

STRAIGHT BARS

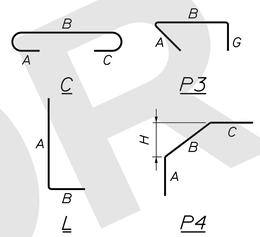
MARK	QTY.	LENGTH	LOCATION
		ABUTMENT 1	
A500	52	19'-3"	Stem Horizontal
A501	52	29'-3"	Stem Horizontal
A502	104	27'-2"	Stem Horizontal
A503	20	4'-4"	Stem Horizontal
A504	84	2'-8"	Stem Horizontal
A505	212	11'-11"	Stem Vertical
A506	120	13'-6"	Stem Vertical
A507	106	10'-2"	Stem Vertical
A510	10	20'-3"	Wingwall Vertical
A511	10	18'-3"	Wingwall Vertical
A512	10	16'-2"	Wingwall Vertical
A513	11	14'-0"	Wingwall Vertical
A514	11	11'-9"	Wingwall Vertical
A515	11	9'-7"	Wingwall Vertical
A516	10	9'-8"	Wingwall Vertical
A517	12	8'-8"	Wingwall Vertical
A518	8	20'-2"	Wingwall Vertical
A519	9	16'-9"	Wingwall Vertical
A520	83	29'-8"	Wingwall Horizontal
A521	24	31'-8"	Wingwall Horizontal
A523	6	4'-8"	Wingwall Horizontal
A524	6	9'-6"	Wingwall Horizontal
A525	4	14'-5"	Wingwall Horizontal
A526	4	19'-3"	Wingwall Horizontal
A527	4	24'-2"	Wingwall Horizontal
A528	4	29'-0"	Wingwall Horizontal
A531	81	15'-8"	Wingwall Horizontal
A532	2	2'-2"	Wingwall Horizontal
A533	2	4'-6"	Wingwall Horizontal
A534	2	6'-10"	Wingwall Horizontal
A535	2	9'-3"	Wingwall Horizontal
A536	2	11'-7"	Wingwall Horizontal
A537	2	13'-11"	Wingwall Horizontal
A542c	8	24'-3"	Bridge Seat Horizontal
A543c	32	9'-7"	Bridge Seat Horizontal
A544c	8	11'-10"	Bridge Seat Horizontal
A545c	22	6'-1"	Stem Vertical
A546c	3	30'-3"	Wingwall Horizontal
A547c	3	32'-4"	Wingwall Horizontal
A548c	3	17'-0"	Wingwall Horizontal
A600	33	18'-6"	Wingwall Footing Transverse Bot.
A601	40	31'-6"	Wingwall Footing Long. Top & Bot.
A602	33	8'-4"	Wingwall Vertical
A603	17	31'-8"	Wingwall Horizontal
A604	20	12'-2"	Wingwall Horizontal
A700	31	22'-3"	Footing Transverse Bot.
A701	39	20'-9"	Wingwall Footing Transverse Bot.
A702	96	26'-3"	Footing Long. Top & Bot.
A703	88	20'-10"	Wingwall Footing Long. Top & Bot.
A704	16	13'-11"	Wingwall Footing Long. Top & Bot.
A705	24	18'-7"	Wingwall Footing Long. Top & Bot.
A706	10	24'-5"	Wingwall Footing Long. Top & Bot.
A707	50	19'-0"	Footing Transverse Top & Bot.
A708	46	14'-0"	Footing Transverse Top & Bot.
A710	106	11'-10"	Stem Vertical
A711	20	17'-9"	Wingwall Vertical
A712	20	15'-9"	Wingwall Vertical
A713	20	13'-8"	Wingwall Vertical
A714	22	11'-6"	Wingwall Vertical
A715	22	9'-3"	Wingwall Vertical
A716	22	7'-1"	Wingwall Vertical
A717	16	18'-5"	Wingwall Vertical
A718	17	15'-0"	Wingwall Vertical
A740c	6	13'-0"	Wingwall Horizontal
A800	64	18'-6"	Wingwall Footing Transverse Top
A900	61	22'-3"	Footing Transverse Top
A901	77	20'-9"	Wingwall Footing Transverse Top
A902	92	11'-0"	Wingwall Stem Vertical
A903	64	9'-0"	Wingwall Stem Vertical

MARK	QTY.	LENGTH	LOCATION
		ABUTMENT 2	
B500	51	19'-3"	Stem Horizontal
B501	51	29'-3"	Stem Horizontal
B502	102	27'-2"	Stem Horizontal
B503	20	4'-4"	Stem Horizontal
B504	82	2'-8"	Stem Horizontal
B505	202	11'-11"	Stem Vertical
B506	120	13'-1"	Stem Vertical
B507	106	9'-9"	Stem Vertical
B510	8	19'-11"	Wingwall Vertical
B511	9	17'-11"	Wingwall Vertical
B512	9	15'-10"	Wingwall Vertical
B513	13	13'-11"	Wingwall Vertical
B514	12	11'-0"	Wingwall Vertical
B516	10	9'-10"	Wingwall Vertical
B517	12	8'-8"	Wingwall Vertical
B518	8	20'-0"	Wingwall Vertical
B519	9	16'-9"	Wingwall Vertical
B520	83	24'-8"	Wingwall Horizontal
B521	26	23'-8"	Wingwall Horizontal
B523	6	3'-11"	Wingwall Horizontal
B524	6	8'-0"	Wingwall Horizontal
B525	4	12'-1"	Wingwall Horizontal
B526	4	16'-2"	Wingwall Horizontal
B527	4	20'-3"	Wingwall Horizontal
B528	2	24'-4"	Wingwall Horizontal
B531	81	15'-8"	Wingwall Horizontal
B532	2	2'-3"	Wingwall Horizontal
B533	2	4'-9"	Wingwall Horizontal
B534	2	7'-3"	Wingwall Horizontal
B535	2	9'-9"	Wingwall Horizontal
B536	2	12'-3"	Wingwall Horizontal
B537	2	14'-9"	Wingwall Horizontal
B542c	8	24'-1"	Bridge Seat Horizontal
B543c	32	9'-7"	Bridge Seat Horizontal
B544c	8	11'-10"	Bridge Seat Horizontal
B545c	22	6'-1"	Stem Vertical
B546c	3	25'-4"	Wingwall Horizontal
B547c	3	24'-4"	Wingwall Horizontal
B548c	3	16'-10"	Wingwall Horizontal
B600	25	18'-6"	Wingwall Footing Transverse Bot.
B601	40	23'-6"	Wingwall Footing Long. Top & Bot.
B602	25	8'-4"	Wingwall Vertical
B603	17	23'-8"	Wingwall Horizontal
B604	20	12'-2"	Wingwall Horizontal
B700	31	22'-3"	Footing Transverse Bot.
B701	34	20'-9"	Wingwall Footing Transverse Bot.
B702	96	26'-3"	Footing Long. Top & Bot.
B703	88	18'-4"	Wingwall Footing Long. Top & Bot.
B704	16	13'-11"	Wingwall Footing Long. Top & Bot.
B705	24	18'-6"	Wingwall Footing Long. Top & Bot.
B706	10	24'-5"	Wingwall Footing Long. Top & Bot.
B707	50	19'-0"	Footing Transverse Top & Bot.
B708	46	14'-0"	Footing Transverse Top & Bot.
B710	106	11'-10"	Stem Vertical
B711	17	17'-5"	Wingwall Vertical
B712	17	15'-5"	Wingwall Vertical
B713	17	13'-4"	Wingwall Vertical
B714	24	11'-5"	Wingwall Vertical
B715	24	8'-6"	Wingwall Vertical
B717	16	17'-9"	Wingwall Vertical
B718	17	14'-6"	Wingwall Vertical
B740c	6	13'-1"	Wingwall Horizontal
B800	48	18'-6"	Wingwall Footing Transverse Top
B900	61	22'-3"	Footing Transverse Top
B901	66	20'-9"	Wingwall Footing Transverse Top
B902	82	11'-0"	Wingwall Stem Vertical
B903	48	9'-0"	Wingwall Stem Vertical
		SUPERSTRUCTURE	
S500c	560	45'-9"	Transverse Bar
S501c	252	50'-0"	Longitudinal Bar, Various
S502c	123	45'-7"	Longitudinal Bar, Various
S521c	112	9'-8"	Backwall Transverse
S621c	50	6'-0"	Backwall Transverse Dowel
S721c	52	24'-11"	Backwall Transverse
		APPROACH SLAB	
AS501	32	30'-0"	Approach Slab
AS502	32	12'-11"	Approach Slab
AS601	156	15'-2"	Approach Slab

BENT BARS

MARK	QTY.	LENGTH	TYPE	A	B	C	D	E	F	G	H	O	R	LOCATION
							ABUTMENT 1							
A551	212	8'-11"	L	8'-1"	0'-10"									Footing Vertical L-Bar
A552	52	7'-8"	V				6'-8"	1'-0"			0'-9"			Stem Horizontal
A553	52	6'-8"	V				5'-8"	1'-0"			0'-11"			Stem Horizontal
A556	43	5'-0"	L	2'-6"	2'-6"									Approach Slab L-Bar
A557	28	3'-6"	S	0'-0"	1'-0"	1'-6"	1'-0"			0'-0"				Wingwall Side U-Bar
A558	7	5'-6"	S	0'-0"	1'-0"	3'-6"	1'-0"			0'-0"				Wingwall Side U-Bar
A573c	120	5'-10"	L	2'-10"	3'-0"									Stem Vertical
A574c	106	8'-11"	L	4'-2"	4'-9"									Stem Vertical
A575c	22	7'-7"	L	6'-1"	1'-6"									Stem Vertical
A576c	18	4'-10"	S	0'-0"	1'-8"	1'-6"	1'-8"			0'-0"				Stem Horizontal
A577c	18	3'-1"	V				1'-10"	1'-3"			1'-2"			Stem Horizontal
A578c	18	3'-9"	A				2'-6"	1'-3"			1'-2"			Stem Horizontal
A579c	9	2'-0"	V				1'-0"	1'-0"			0'-9"			Stem Horizontal
A580c	9	2'-0"	V				1'-0"	1'-0"			0'-10"			Stem Horizontal
A581c	102	7'-6"	S	0'-0"	3'-0"	1'-6"	3'-0"			0'-0"				Wingwall Top U-Bar
A650	33	8'-7"	L	7'-7"	1'-0"									Footing Vertical L-Bar
A750	167	9'-2"	L	5'-8"	3'-6"									Wingwall Stem Vertical L-Bar
A950	195	13'-8"	L	12'-1"	1'-7"									Footing Vertical L-Bar
A951	64	10'-2"	L	8'-7"	1'-7"									Footing Vertical L-Bar
							ABUTMENT 2							
B551	202	8'-11"	L	8'-1"	0'-10"									Footing Vertical L-Bar
B552	51	7'-8"	V				6'-8"	1'-0"			0'-9"			Stem Horizontal
B553	51	6'-8"	V				5'-8"	1'-0"			0'-11"			Stem Horizontal
B556	43	5'-0"	L	2'-6"	2'-6"									Approach Slab L-Bar
B557	28	3'-6"	S	0'-0"	1'-0"	1'-6"	1'-0"			0'-0"				Wingwall Side U-Bar
B558	7	5'-6"	S	0'-0"	1'-0"	3'-6"	1'-0"			0'-0"				Wingwall Side U-Bar
B573c	120	5'-11"	L	2'-11"	3'-0"									Stem Vertical
B574c	106	8'-2"	L	3'-5"	4'-9"									Stem Vertical
B575c	22	7'-7"	L	6'-1"	1'-6"									Stem Vertical
B576c	18	4'-10"	S	0'-0"	1'-8"	1'-6"	1'-8"			0'-0"				Stem Horizontal
B577c	18	3'-1"	V				1'-10"	1'-3"			1'-2"			Stem Horizontal
B578c	18	3'-9"	A				2'-6"	1'-3"			1'-2"			Stem Horizontal
B579c	9	2'-0"	V				1'-0"	1'-0"			0'-9"			Stem Horizontal
B580c	9	2'-0"	V				1'-0"	1'-0"			0'-11"			Stem Horizontal
B581c	90	7'-6"	S	0'-0"	3'-0"	1'-6"	3'-0"			0'-0"				Wingwall Top U-Bar
B650	25	8'-7"	L	7'-7"	1'-0"									Footing Vertical L-Bar
B750	141	9'-2"	L	5'-8"	3'-6"									Wingwall Stem Vertical L-Bar
B950	180	13'-8"	L	12'-1"	1'-7"									Footing Vertical L-Bar
B951	48	10'-2"	L	8'-7"	1'-7"									Footing Vertical L-Bar
							SUPERSTRUCTURE							
S550c	390	5'-3"	SC	0'-10"	1'-2"	1'-3"	1'-2"			0'-10"		1'-4"		Curb Stirrup
S650c	560	8'-9"	C	0'-8"	8'-1"	0'-0"								Overhang Hook
S571c	56	3'-10"	V				2'-8"	1'-2"			1'-1"			Backwall Horizontal
S572c	56	3'-10"	A				2'-8"	1'-2"			1'-1"			Backwall Horizontal
S573c	188	5'-9"	L	4'-7"	1'-2"									Backwall Vertical
S574c	94	6'-5"	L	3'-8"	2'-9"									Backwall Vertical
S575c	470	2'-3"	P3	0'-6"	1'-3"					0'-6"				Backwall Tie
S576c	104	4'-0"	P4	1'-0"	1'-9"	1'-0"					1'-3"			Thickened Deck End Long. Bar

TYPE - BENDING DIAGRAMS



All dimensions are out-to-out of bar.

Bending details and hooks shall conform to the recommendations of the current revision of ACI Standard 315 and ACI Standard 318.

Reinforcing Bar: ASTM A615, Grade 60
ASTM A1035, Type CS, Grade 100

GENERAL NOTES

1. The first two digits following the letter(s) of the mark indicate the size of the bar:

   Mark "A502" = bar size #5
   Mark "B805" = bar size #8
   Mark "S650" = bar size #6

2. Bar Marks ending in a letter indicate the following:

   c = Low Carbon Chromium

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 006462.92

BRIDGE NO. 6581

BRIDGE PLANS

vhb

	R.M.	BY	DATE
PROJ. MANAGER			
DESIGN-DETAILED	JAH	JAH	08/2025
CHECKED-REVIEWED	YP	SMH	08/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

MAINE NORTHERN RAILWAY BRIDGE
OVER MAINE NORTHERN RAILWAY
AROOSTOOK COUNTY
PRESQUE ISLE

REINFORCING SCHEDULE

SHEET NUMBER
B-67
601
OF 747

PRELIMINARY NOT FOR CONSTRUCTION

Filename: ...\XXX_Reinf_Sched.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

SPECIFICATIONS

Design: Load and Resistance Factor Design per AASHTO LRFD Bridge Design Specifications, Ninth Edition 2020.

DESIGN LOADING

Live Load ..... HL - 93 Modified for Strength I

TRAFFIC DATA

Current (2026) AADT	4330
Future (2046) AADT	4760
DHV - % of AADT	9%
Design Hour Volume	428
% Heavy Trucks (AADT)	11%
% Heavy Trucks (DHV)	11%
Directional Distribution (% of DHV)	51%
18 kip Equivalent P 2.0	567
18 kip Equivalent P 2.5	540
Design Speed (mph)	55

MATERIALS

Concrete:
- Fill ..... "Fill"
- All Other ..... Class "A"

Reinforcing:
- Plain Reinforcing Steel ..... ASTM A615, Grade 60
- Low-Carbon Chromium Steel: ..... ASTM A1035, Type CS, Grade 100

Structural Steel:
- All Material (except as noted) ..... ASTM A709, Grade 50
- High Strength Bolts ..... ASTM F3125, Grade A325, Type 3

BASIC DESIGN STRESSES

Concrete:
- Class "A" ..... f 'c = 4,000 psi

Reinforcing:
- Plain Reinforcing Steel ..... f y = 60,000 psi
- Low-Carbon Chromium Steel: ..... f y = 100,000 psi

Structural Steel:
- ASTM A709, Grade 50 ..... F y = 50,000 psi
- ASTM F3125, Grade A325 ..... F μ = 120,000 psi

PRESQUE ISLE
AROOSTOOK COUNTY
EASTON ROAD BRIDGE
OVER
EASTON ROAD
PRESQUE ISLE BYPASS
BRIDGE NO. 6582

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PROJECT LOCATION:	Easton Road Bridge (#6582); Presque Isle Bypass over Easton Road Lat./Long. 46°39'18.55" N 67°57'46.27" W
PROGRAM AREA:	Highway
OUTLINE OF WORK:	New bridge construction

DRAFT NOT FOR CONSTRUCTION

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
APPROVED | DATE
COMMISSIONER:
CHIEF ENGINEER:

WIN 006462.92
HPP-6462(920)

PROJECT INFORMATION

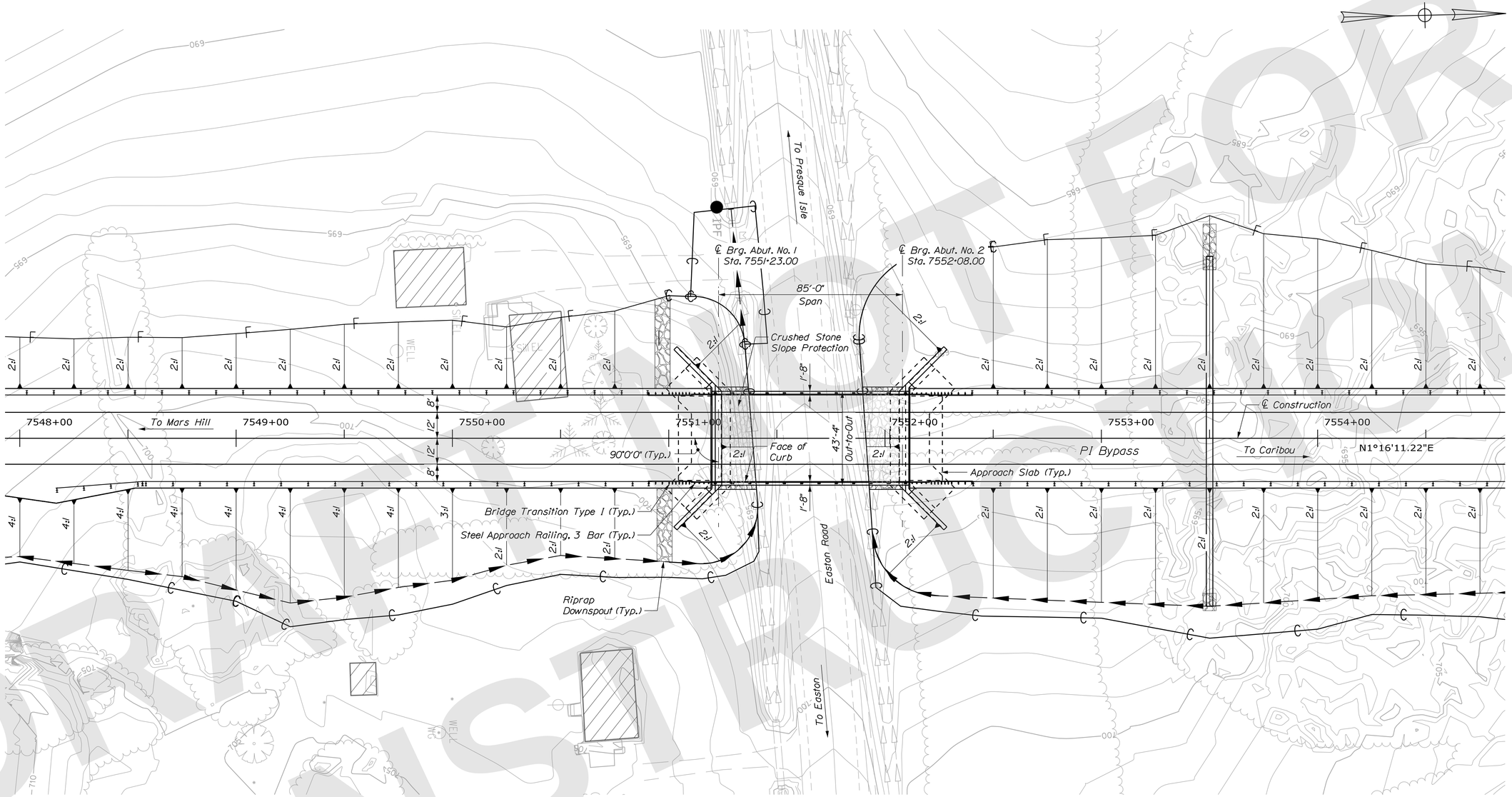
PROGRAM	HIGHWAY
PROJECT MANAGER	L. ROWE
DESIGNER	E. WALTON
CONSULTANT	VHB
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	

PRESQUE ISLE
EASTON ROAD BRIDGE

TITLE SHEET

SHEET NUMBER
B-68
602
OF 747

Filename: ...\MSTA\Easton Rd\B56_Title.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025



PLAN

25 0 25 50

Scale of Feet

BRIDGE CONSTRUCTION NOTES

1. For additional information and General Notes, refer to Highway Plans.

2. All utility facilities shall be adjusted by the respective utilities unless otherwise noted.

3. Place a 24 inch wide strip of Temporary Erosion Control Blanket on the sideslopes along the berm and behind the wingwalls.

4. Extended-use Erosion Control Blanket, seeded gutters, riprap downspouts, and other gutters lined with Stone Ditch Protection shall be constructed after paving and shoulder work is completed, where it is apparent that runoff will cause continual erosion. Payment will be made under the appropriate Contract items.

5. Protective Coating for Concrete Surfaces shall be applied to the following areas:

All exposed surfaces of concrete curbs.
Fascias down to the drip notch.
All exposed abutment and wingwall faces.
Top of wingwalls and to one foot below the ground on vertical walls.

DRAFT NOT FOR CONSTRUCTION

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 006462.92

BRIDGE NO. 6582

BRIDGE PLANS

vhb

PROJ. MANAGER	R.M.
DESIGN-DETAILED	JAH
CHECKED-REVIEWED	ELW
DESIGN2-DETAILED2	
DESIGN3-DETAILED3	

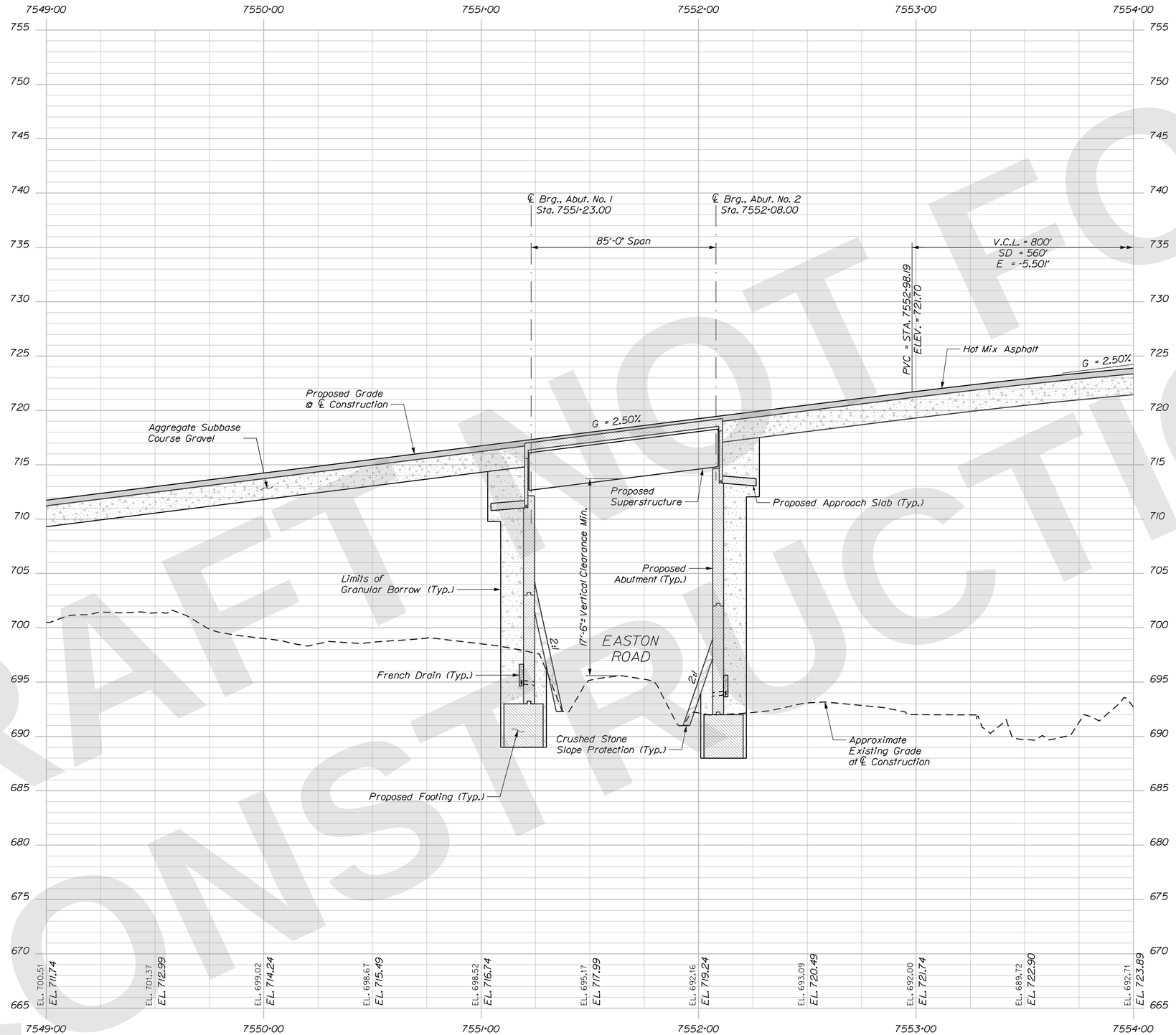
	DATE	BY
REVISIONS 1	08/2025	JAH
REVISIONS 2	08/2025	SMH
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

EASTON ROAD BRIDGE
OVER EASTON ROAD
PRESQUE ISLE AROOSTOOK COUNTY

BRIDGE PLAN

SHEET NUMBER
B-69
603
OF 747

Filename: B57_GenPlan.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025



PROFILE

Horiz. 25 0 25 50

Vert. 5 0 5 10

Scale of Feet

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 006462.92

BRIDGE NO. 6582

BRIDGE PLANS

vhb

	R.M.	BY	DATE
PROJ. MANAGER			
DESIGN-DETAILED	JAH	JAH	08/2025
CHECKED-REVIEWED	ELW	SMH	08/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

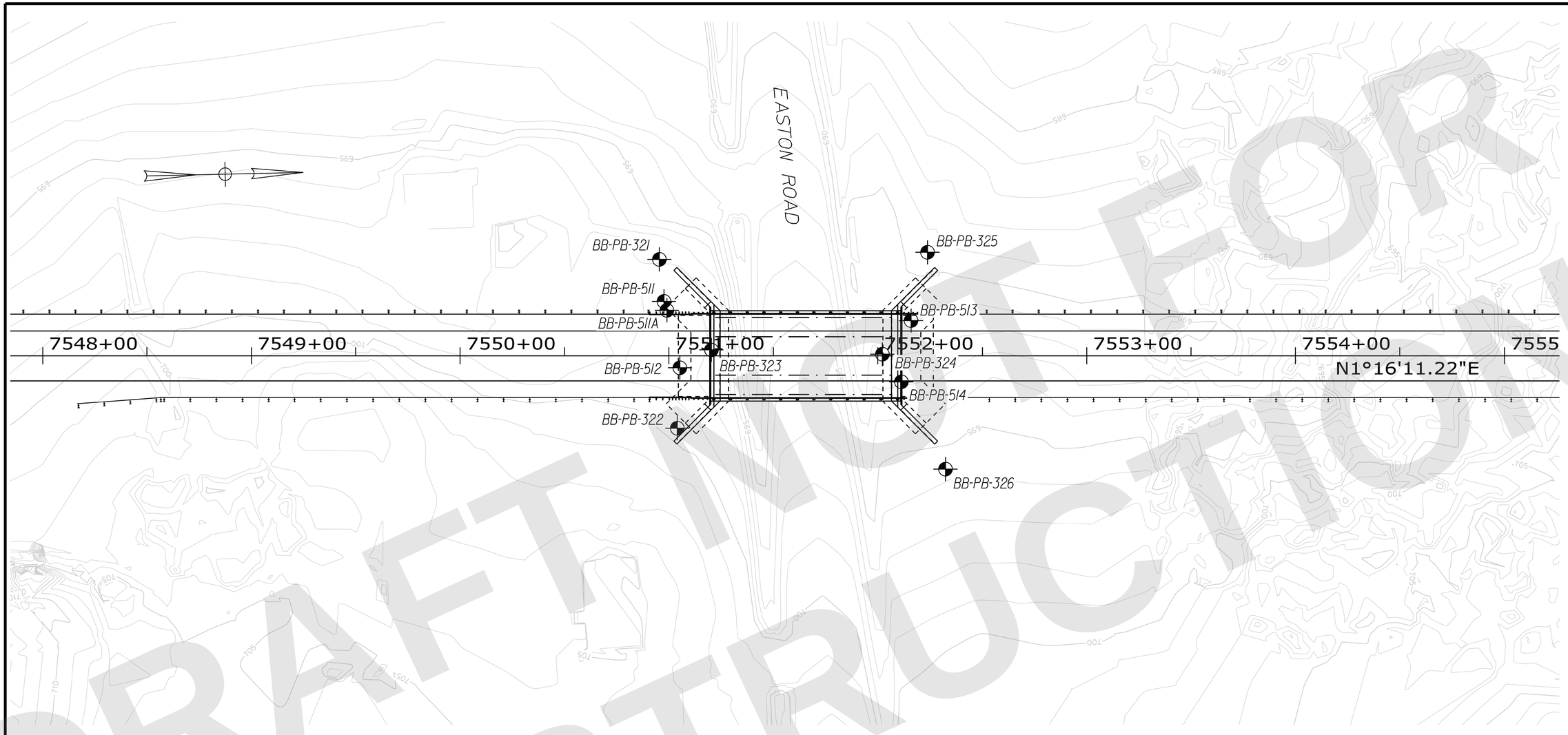
EASTON ROAD BRIDGE
OVER EASTON ROAD
PRESQUE ISLE AROOSTOOK COUNTY

BRIDGE PROFILE

SHEET NUMBER
B-70
604
OF 747

DRAFT NOT FOR CONSTRUCTION

Filename: ...\MSTA\Easton Rd\xxx_Profile.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025



DRAFT NOT FOR CONSTRUCTION

NOTES

1) Base map developed from electronic files (Contours.dgn, Alignments.dgn, z_Easton_Bridge.dgn, and Highway.dgn) provided by VHB on July 14, 2025.

2) The as-drilled locations of the BB-PB-300 and BB-PB-500 series test borings were surveyed and provided by MaineDOT in an electronic file (Borings.dgn) on September 5, 2019.

BORING LOCATION PLAN LEGEND

BB-PB-326	Location and designation of BB-PB-300 series borings performed by New England Boring Contractors of Hermon, Maine between April 16 and April 21, 2015 and observed by GZA personnel.
BB-PB-513	Location and designation of BB-PB-500 series borings performed by New England Boring Contractors of Hermon, Maine between January 4 and January 12, 2017 and observed by GZA personnel.

PLAN

25 0 25 50

Scale in Feet

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 006462.92

BRIDGE NO. 6582

BRIDGE PLANS

	R.M.	DATE
PROJ. MANAGER		
DESIGN-DETAILED	B.C.	E.T. 7/2025
CHECKED-REVIEWED	A.B.	C.S. 7/2025
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

EASTON ROAD BRIDGE
OVER EASTON ROAD
PRESQUE ISLE, ME AROOSTOOK COUNTY

BORING LOCATION PLAN

PREPARED BY:

GZA

SHEET NUMBER

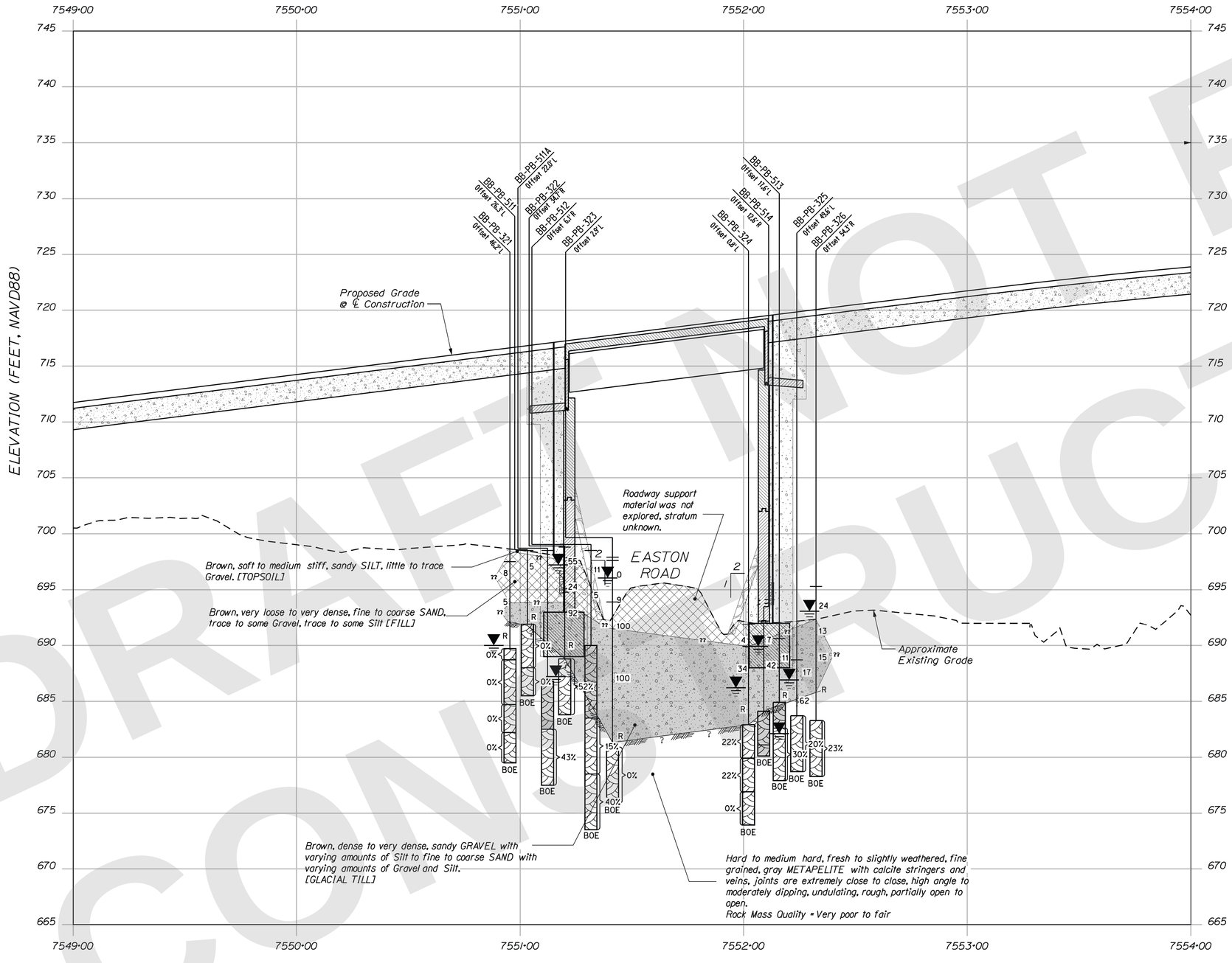
B-71

605

OF 747

Division: HIGHWAY
Filename: ...\Easton_BLP\Easton_BLP.dgn

Date:7/29/2025
Username: BMC



INTERPRETIVE SUBSURFACE PROFILE

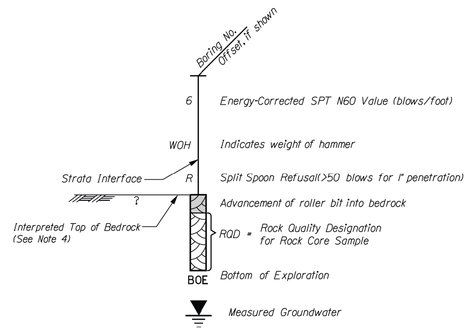
NOTES

1) Profile map developed from electronic file provided by VHB on July 14, 2025 (z_Easton_Prof.dng)

3) The as-drilled locations of the BB-PB-300 and BB-PB-500 series test borings were surveyed and provided by MaineDOT in an electronic file (Borings.dgn) on September 9, 2019.

4) Top of rock is defined using either split spoon refusal prior to identification of bedrock by roller bit or coring, top of rock surface was interpolated to represent anticipated conditions at the baseline.

5) This generalized interpretive soil and rock profile is intended to convey trends in subsurface conditions. The boundaries between strata are approximate and idealized, and have been developed by interpretations of widely spaced explorations and samples. Actual soil and rock transitions may vary and are probably more erratic. For more specific information refer to the exploration logs.



PROFILE

Horiz. 25 0 25 50

Vert. 5 0 5 10

Scale of Feet

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 006462.92

BRIDGE NO. 6582

BRIDGE PLANS

	R.M.	BY	DATE
PROJ. MANAGER			
DESIGN-DETAILED	B.C.	E.T.	7/2025
CHECKED-REVIEWED	A.B.	C.S.	7/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

EASTON ROAD BRIDGE
OVER EASTON ROAD
PRESQUE ISLE AROOSTOOK COUNTY

INTERPRETIVE SUBSURFACE PROFILE

SHEET NUMBER

B-72

606

OF 747

DRAFT NOT FOR CONSTRUCTION

Filename: ...\ISPs\z_Easton_ISP 7.22.25.dgn Division: HIGHWAY Username: common Date:7/29/2025

Maine Department of Transportation — Soil/Rock Exploration Log — US CUSTOMARY UNITS

Project: Presque Isle Bypass - Segment 1 09.0025832.03
Location: Presque Isle, Maine

Boring No.: BB-PB-321
WIN: 6462.92

Driller: New England Boring | Elevation (ft.): 697.5 | Auger ID/OD: 4.25" OD
Operator: Mike Porter | Datum: NAVD 88 | Sampler: Split Spoon
Logged By: Blaine Cordell | Rig Type: ATV | Hammer Wt./Ft.#: 140/30
Date Start/Finish: 01/04/17 - 01/04/17 | Drilling Method: Cased/SSA | Core Barrel: NX
Boring Location: N702881.6, E2274493.4 | Casing ID/OD: 4"/3" | Water Level *: 7.5'
Hammer Efficiency Factor: 0.6 | Hammer Type: Automatic ☐ Hydraulic ☐ Rope & Cathead ☒

Definitions:
D = Split Spoon Sample
MD = Unsuccessful Split Spoon Sample Attempt
U = Thin Wall Tube Sample
WU = Unsuccessful Thin Wall Tube Sample Attempt
V = Field Vane Shear Test, PP = Pocket Penetrometer
WU# = Unsuccessful Field Vane Shear Test Attempt
R = Rock Core Sample
SSA = Solid Stem Auger
HSA = Hollow Stem Auger
RC = Roller Cone
WOH = Weight of Hammer
WOR/C = Weight of Rods or Casing
RQD = Length of Core Pieces
q_u = Peak/Remolded Field Vane Undrained Shear Strength (psf)
$q_{u(rem)}$ = Lab Vane Undrained Shear Strength (psf)
q_p = Unconfined Compressive Strength (tsf)
Uncorrected = Raw Field SPT N-value
Hammer Efficiency Factor = Rig Specific Annual Calibration Value
N_{60} = SPT Uncorrected Corrected for Hammer Efficiency
Note = Hammer Efficiency Factor=60%=Uncorrected
T_v = Pocket Torvane Shear Strength (psf)
WC = Water Content, percent
LL = Liquid Limit
PL = Plastic Limit
PI = Plasticity Index
G = Grain Size Analysis
C = Consolidation Test

Depth (ft.)	Sample No.	Rec./Rec. (in.)	Sample Depth (ft.)	Blows/6 in. or Strength (tsf) or RQD (in)	Uncorrected	N60	Casing Blows/ft.	Elevation (ft.)	Graphic Log	Visual Description and Remarks	Laboratory Testing Results/ AASHTO and Unified Class.
0	10	24/15	0.0 - 2.0	5-6-12-2	18	18	7	697.1		Top 5": ~TOPSOIL~	0.4
							4			Bottom 10": Brown, moist, loose, fine to coarse SAND, trace Gravel, trace Silt. ~FILL~ (SM)	
	20	24/2	2.0 - 4.0	2-2-3-2	5	5	5			Brown, moist, loose, fine to coarse SAND, little Gravel, little Silt. ~FILL~ (SM)	
							6				
5							14	692.5			C=217 A=16, SM w=8.9
	30	24/17	5.0 - 7.0	25-71-47-49	1100		42			Gray-brown, very dense, fine to coarse SAND, some Gravel, little Silt. ~GLACIAL TILL~ (SM)	5.0
							53				
	R1	12/6	7.8 - 8.8	RQD = 0%			108 R/C	689.9		Casing refusal at 7.8' bgs. Roller cone to 7.8' bgs and set up to core. Hard to medium hard, fresh to slightly weathered, fine grained, gray, METAPELITE. Joints are extremely close, highly fractured resulting in angular Gravel. Rock Quality = Very Poor Rock Core Times (min/ft): 3.5	7.8
10	R2	48/15	8.8 - 12.8	RQD = 0%			R/C			Hard to medium hard, fresh to slightly weathered, fine grained, gray, METAPELITE. Joints are extremely close, highly fractured resulting in angular Gravel. Rock Quality = Very Poor Rock Core Times (min/ft): 2.5, 1.5, 0.75, 1.5	
	R3	30/24	12.8 - 15.3	RQD = 0%			R/C			Hard to medium hard, fresh to slightly weathered, fine grained, gray, METAPELITE. Joints are extremely close and highly fractured resulting in angular Gravel. Rock Quality = Very Poor Rock Core Times (min/ft): 2.5, 2.25, 1.5/.5'	
	R4	32/24	15.3 - 18.0	RQD = 0%			R/C	679.5		Hard to medium hard, fresh to slightly weathered, fine grained, gray, METAPELITE. Joints are extremely close and highly fractured resulting in angular Gravel. Rock Quality = Very Poor Rock Core Times (min/ft): 1.5/.5', 2.25, 2.75	
15										Bottom of Exploration at 18.0 feet below ground surface.	18.0
20											

Remarks:
1. Water level measured 20 minutes after completion of drilling.

Stratification lines represent approximate boundaries between soil types: transitions may be gradual.
* Water level readings have been made at times and under conditions stated. Groundwater fluctuations may occur due to conditions other than those present at the time measurements were made.

Page 1 of 1 — Boring No.: BB-PB-321

Maine Department of Transportation — Soil/Rock Exploration Log — US CUSTOMARY UNITS

Project: Presque Isle Bypass - Segment 1 09.0025832.03
Location: Presque Isle, Maine

Boring No.: BB-PB-511A
WIN: 6462.92

Driller: New England Boring | Elevation (ft.): 698.3 | Auger ID/OD: SSA
Operator: Mike Porter | Datum: NAVD 88 | Sampler: Split Spoon
Logged By: Blaine Cordell | Rig Type: ATV | Hammer Wt./Ft.#: 140/30
Date Start/Finish: 01/10/17 - 01/10/17 | Drilling Method: Cased/SSA | Core Barrel: NX
Boring Location: N702881.8, E2274497.8 | Casing ID/OD: 4"/3" | Water Level *: 11.3'
Hammer Efficiency Factor: 0.6 | Hammer Type: Automatic ☐ Hydraulic ☐ Rope & Cathead ☒

Definitions: (same as BB-PB-321)

Depth (ft.)	Sample No.	Rec./Rec. (in.)	Sample Depth (ft.)	Blows/6 in. or Strength (tsf) or RQD (in)	Uncorrected	N60	Casing Blows/ft.	Elevation (ft.)	Graphic Log	Visual Description and Remarks	Laboratory Testing Results/ AASHTO and Unified Class.
0							SSA				
5											
10								686.6		Casing refusal at 11.7' bgs, roller cone at 750 psi from 11.7'-15.7' bgs at <1 min/ft through possible fractured rock.	11.7
							RWC				
15								682.6		15.7'-16.0' bgs increased resistance.	15.7
	R1	60/50	16.0 - 21.0	RQD = 43%			NX			RT Hard, fresh to slightly weathered, aphanitic, grey, METAPELITE with Calcite stringers and veins. Primary joints are close to moderately spaced, high angle, rough, planar, fresh to discolored, open. Secondary joints are close, low angle, rough, planar, discolored, open. Rock Quality = Poor Rock Core Times (min/sec): 16.0-17.0 (2:45), 17.0-18.0 (2:00), 18.0-19.0 (2:15), 19.0-20.0 (1:30), 20.0-21.0 (1:45)	
20								677.3		Bottom of Exploration at 21.0 feet below ground surface.	21.0
25											

Remarks:
1. Moved from location BB-PB-511 approximately 4.5' east.
2. No samples were taken in overburden materials.
3. 4" casing to 11.7' bgs, then 3" casing to 15.7' bgs.

Stratification lines represent approximate boundaries between soil types: transitions may be gradual.
* Water level readings have been made at times and under conditions stated. Groundwater fluctuations may occur due to conditions other than those present at the time measurements were made.

Page 1 of 1 — Boring No.: BB-PB-511A

Maine Department of Transportation — Soil/Rock Exploration Log — US CUSTOMARY UNITS

Project: Presque Isle Bypass - Segment 1 09.0025832.03
Location: Presque Isle, Maine

Boring No.: BB-PB-322
WIN: 6462.92

Driller: New England Boring | Elevation (ft.): 698.8 | Auger ID/OD:
Operator: Mike Porter | Datum: NAVD 88 | Sampler: Split Spoon
Logged By: Blaine Cordell | Rig Type: ATV | Hammer Wt./Ft.#: 140/30
Date Start/Finish: 4/20/15-4/20/15 | Drilling Method: Drive & Wash | Core Barrel: NQ
Boring Location: N702822.4, E2274554.5 | Casing ID/OD: 3" ID | Water Level *: 1.6'
Hammer Efficiency Factor: 0.6 | Hammer Type: Automatic ☐ Hydraulic ☐ Rope & Cathead ☐

Definitions: (same as BB-PB-321)

Depth (ft.)	Sample No.	Rec./Rec. (in.)	Sample Depth (ft.)	Blows/6 in. or Strength (tsf) or RQD (in)	Uncorrected	N60	Casing Blows/ft.	Elevation (ft.)	Graphic Log	Visual Description and Remarks	Laboratory Testing Results/ AASHTO and Unified Class.
0	10	24/17	0.0 - 2.0	9-33-32-4	55	55	28	698.8		Top 2": ~TOPSOIL~	0.2
							9			Bottom 15": Brown, moist, very dense, fine to coarse SAND, trace Gravel, trace Silt. ~FILL~ (SP)	
	20	24/0	2.0 - 4.0	4-10-14-15	24	24	16				
							42			Brown, wet, very dense, gravelly fine to coarse SAND, trace Silt. ~GLACIAL TILL~ (SP)	4.0
5	30	24/9	4.0 - 6.0	22-43-49-45	92	92	R/C	694.8			
	40 BT	1/0 60/45?	10.0 - 10.1	50/2"	R		W	688.7		Split spoon refusal at 10.1' bgs. Set up to core.	10.1
10			15.1	RQD = 50%?						Hard to medium hard, slightly weathered, fine grained, gray, METAPELITE. Joints are very close to moderately close, moderately dipping to high angle, undulating, rough, fresh. Rock Quality = Fair Rock Core Times (min/ft): 3.25, 2.0, 2.0, 2.0, 2.0	
15								683.8		Bottom of Exploration at 15.0 feet below ground surface.	15.0
20											

Remarks:
1. Water level measured 30 minutes after completion of drilling.

Stratification lines represent approximate boundaries between soil types: transitions may be gradual.
* Water level readings have been made at times and under conditions stated. Groundwater fluctuations may occur due to conditions other than those present at the time measurements were made.

Page 1 of 1 — Boring No.: BB-PB-322

Maine Department of Transportation — Soil/Rock Exploration Log — US CUSTOMARY UNITS

Project: Presque Isle Bypass - Segment 1 09.0025832.03
Location: Presque Isle, Maine

Boring No.: BB-PB-324
WIN: 6462.92

Driller: New England Boring | Elevation (ft.): 691.9 | Auger ID/OD:
Operator: Mike Porter | Datum: NAVD 88 | Sampler: Split Spoon
Logged By: Blaine Cordell | Rig Type: ATV | Hammer Wt./Ft.#: 140/30
Date Start/Finish: 4/20/15-4/20/15 | Drilling Method: Drive & Wash | Core Barrel: NQ
Boring Location: N702892.3, E2274521.2 | Casing ID/OD: 3" ID | Water Level *: 2.0'
Hammer Efficiency Factor: 0.6 | Hammer Type: Automatic ☐ Hydraulic ☐ Rope & Cathead ☐

Definitions: (same as BB-PB-321)

Depth (ft.)	Sample No.	Rec./Rec. (in.)	Sample Depth (ft.)	Blows/6 in. or Strength (tsf) or RQD (in)	Uncorrected	N60	Casing Blows/ft.	Elevation (ft.)	Graphic Log	Visual Description and Remarks	Laboratory Testing Results/ AASHTO and Unified Class.
0	10	24/18	0.0 - 2.0	5-2-2-2	4	4	10			Brown, moist, very loose, fine to coarse SAND, trace Gravel, trace Silt. ~FILL~ (SP)	
							3				
	20	24/19	2.0 - 4.0	5-6-28-44	34	34	10	689.9		Brown, wet, dense, sandy GRAVEL, little Silt. ~GLACIAL TILL~ (GM)	2.0
							58				
							108			Gray-brown, wet, very dense, sandy GRAVEL, trace Silt. ~GLACIAL TILL~ (GP)	
5	30	13/6	5.0 - 6.1	10-7-110-50/1"	R		97	685.8			
							209			Split spoon refusal at 6.7' bgs.	6.1
							R/C			Casing refusal at 7.7 bgs. Roller cone to 8.0' bgs, set up to core.	
	R1	48/36	8.0 - 12.0	RQD = 8%			N2			Hard to medium hard, fresh to slightly weathered, fine grained, gray, METAPELITE. Joints are extremely close to close, moderately dipping, undulating, rough. Calcite stringers and veins. Rock Core Times (min/ft): 3.0, 2.25, 1.75, 2.75 Rock Quality = Very Poor	
10											
	R2	36/30	12.0 - 15.0	RQD = 22%						Hard to medium hard, fresh to slightly weathered, fine grained, gray, METAPELITE. Joints are extremely close to close, high angle to moderately dipping, undulating, rough. Calcite stringers and veins. Rock Core Times (min/ft): 2.0, 2.5, 3.25 Rock Quality = Very Poor	
	R3	36/36	15.0 - 18.0	RQD = 0%				673.9		Hard to medium hard, fresh to slightly weathered, fine grained, gray, METAPELITE. Joints are extremely close to close, high angle to moderately dipping, undulating, rough. Calcite stringers and veins. Rock Core Times (min/ft): 2.0, 2.0, 2.0 Rock Quality = Very Poor	
15										Bottom of Exploration at 18.0 feet below ground surface.	18.0
20											

Remarks:
1. Water level measured 15 minutes after completion of drilling.

Stratification lines represent approximate boundaries between soil types: transitions may be gradual.
* Water level readings have been made at times and under conditions stated. Groundwater fluctuations may occur due to conditions other than those present at the time measurements were made.

Page 1 of 1 — Boring No.: BB-PB-324

Maine Department of Transportation — Soil/Rock Exploration Log — US CUSTOMARY UNITS

Project: Presque Isle Bypass Segment 1 09.0025832.03
Location: Presque Isle, Maine

Boring No.: BB-PB-511
WIN: 6462.92

Driller: New England Boring | Elevation (ft.): 698.3 | Auger ID/OD: 4.25" OD
Operator: Mike Porter | Datum: NAVD 88 | Sampler: Split Spoon
Logged By: Blaine Cordell | Rig Type: ATV | Hammer Wt./Ft.#: 140/30
Date Start/Finish: 01/04/17 - 01/04/17 | Drilling Method: Cased/SSA | Core Barrel: NX
Boring Location: N702881.3, E2274493.5 | Casing ID/OD: 4"/3" | Water Level *: 4.6'
Hammer Efficiency Factor: 0.6 | Hammer Type: Automatic ☐ Hydraulic ☐ Rope & Cathead ☐

Definitions: (same as BB-PB-321)

Depth (ft.)	Sample No.	Rec./Rec. (in.)	Sample Depth (ft.)	Blows/6 in. or Strength (tsf) or RQD (in)	Uncorrected	N60	Casing Blows/ft.	Elevation (ft.)	Graphic Log	Visual Description and Remarks	Laboratory Testing Results/ AASHTO and Unified Class.
0	10	24/9	1.0 - 3.0	1-4-11-2	15	15	SSA			Brown, moist, medium stiff, sandy SILT, little Gravel. ~GLACIAL TILL~ (ML)	
5	20	19/12	5.0 - 6.6	64-62-100-50/1"	>100		R/C			Brown/grey, wet, very dense, GRAVEL, some fine to medium Sand. ~GLACIAL TILL~ (GP)	6.6
	R1	48/40	6.6 - 10.4	RQD = 0%			191	691.7		Split spoon refusal at 6.6' bgs. Casing met refusal at 6.6' bgs; roller bit to 6.6' and set up to core. R1: Hard, fresh to slightly weathered, fine grained, grey, METAPELITE. Joints are extremely close, highly fractured resulting in angular Gravel. Rock Quality = Very Poor Rock Core Times (min/sec): 6.6-7.6 (2:00), 7.6-8.6 (5:00), 8.6-9.6 (4:00), 9.6-10.4 (3:30)	
10	R2	30/30	10.5 - 13.0	RQD = 0%				685.3		R2: Hard, fresh to slightly weathered, fine grained, grey, METAPELITE. Joints are extremely close, highly fractured resulting in angular Gravel. Rock Quality = Very Poor Rock Core Times (min/sec): 10.4-11.4 (3:00), 11.4-12.4 (3:00), 12.4-13.0 (2:00)	
15										Bottom of Exploration at 13.0 feet below ground surface.	13.0
20											
25											

Remarks:
1. 4" casing to 6.6' bgs, and 3" casing to 6.6' bgs.
2. Water level measured 20 minutes after completion of drilling.

Stratification lines represent approximate boundaries between soil types: transitions may be gradual.
* Water level readings have been made at times and under conditions stated. Groundwater fluctuations may occur due to conditions other than those present at the time measurements were made.

Page 1 of 1 — Boring No.: BB-PB-511

Maine Department of Transportation — Soil/Rock Exploration Log — US CUSTOMARY UNITS

Project: Presque Isle Bypass Segment 1 09.0025832.03
Location: Presque Isle, Maine

Boring No.: BB-PB-512
WIN: 6462.92

Driller: New England Boring | Elevation (ft.): 698.3 | Auger ID/OD: 4.25" OD
Operator: Mike Porter | Datum: NAVD 88 | Sampler: Split Spoon
Logged By: Blaine Cordell | Rig Type: ATV | Hammer Wt./Ft.#: 140/30
Date Start/Finish: 01/10/17 - 01/10/17 | Drilling Method: Cased/SSA | Core Barrel: NX
Boring Location: N702882.4, E2274525.6 | Casing ID/OD: 4"/3" | Water Level *: 22.8'
Hammer Efficiency Factor: 0.6 | Hammer Type: Automatic ☐ Hydraulic ☐ Rope & Cathead ☒

Definitions: (same as BB-PB-321)

Depth (ft.)	Sample No.	Rec./Rec. (in.)	Sample Depth (ft.)	Blows/6 in. or Strength (tsf) or RQD (in)	Uncorrected	N60	Casing Blows/ft.	Elevation (ft.)	Graphic Log	Visual Description and Remarks	Laboratory Testing Results/ AASHTO and Unified Class.
0	10	24/13	1.0 - 3.0	4-7-4-5	11	11	SSA			Brown/grey, moist, medium dense, silty GRAVEL, some fine to medium Sand, with organics. ~GLACIAL TILL~ (GM)	
5	20	24/12	5.0 - 7.0	3-3-2-3	5	5				Brown/grey, moist, loose, silty GRAVEL, some fine to coarse Sand. ~GLACIAL TILL~ (GM)	
							R/C	689.8		Casing met refusal at 8.5' bgs. Advanced roller bit through apparent fractured rock with 750 psi on drill head.	8.5
10											
15	RT	60/50	15.0 - 20.0	RQD = 70%			NX	683.3		Increased roller cone resistance at approximately 15.0' bgs. Set up to core. R1: Hard, fresh to slightly weathered, aphanitic, grey, METAPELITE with Calcite stringers and veins. Joints are very close to close, high angle, rough, planar, partially open to open, fresh to discolored. Rock Quality = Very Poor Rock Core Times (min/sec): 15.0-16.0 (2: 15, 16.0-17.0 (1:45), 17.0-18.0 (2:15), 18.0-19.0 (1:45), 19.0-20.0 (1:45)	15.0
										R2: Hard, fresh to slightly weathered, aphanitic, grey, METAPELITE with Calcite stringers and veins. Joints are very close to close, high angle, rough, planar, partially open to open, fresh to discolored. Rock Quality = Poor Rock Core Times (min/sec): 20.0-21.0 (2: 00), 21.0-22.0 (2:30), 22.0-23.0 (2:00), 23.0-24.0 (1:45), 24.0-25.0 (2:30)	
20	R2	60/50	20.0 - 25.0	RQD = 40%				673.3		Bottom of Exploration at 25.0 feet below ground surface.	25.0
25											

Remarks:
1. Last water return at 9.7' bgs.
2. 4" casing to 8.0' bgs, then 3" casing to 13.0' bgs.
3. Water level measured 15 minutes after completion of drilling.

Stratification lines represent approximate boundaries between soil types: transitions may be gradual.
* Water level readings have been made at times and under conditions stated. Groundwater fluctuations may occur due to conditions other than those present at the time measurements were made.

Page 1 of 1 — Boring No.: BB-PB-512

Maine Department of Transportation — Soil/Rock Exploration Log — US CUSTOMARY UNITS

Project: Presque Isle Bypass - Segment 1 09.0025832.03
Location: Presque Isle, Maine

Boring No.: BB-PB-323
WIN: 6462.92

Driller: New England Boring | Elevation (ft.): 697.9 | Auger ID/OD:
Operator: Mike Porter | Datum: NAVD 88 | Sampler: Split Spoon
Logged By: Blaine Cordell | Rig Type: ATV | Hammer Wt./Ft.#: 140/30
Date Start/Finish: 4/16/15-4/17/15 | Drilling Method: Drive & Wash | Core Barrel: NQ
Boring Location: N702883.9, E2274517.3 | Casing ID/OD: 3" ID | Water Level *: 1.6'
Hammer Efficiency Factor: 0.6 | Hammer Type: Automatic ☐ Hydraulic ☐ Rope & Cathead ☐

Definitions: (same as BB-PB-321)

Depth (ft.)	Sample No.	Rec./Rec. (in.)	Sample Depth (ft.)	Blows/6 in. or Strength (tsf) or RQD (in)	Uncorrected	N60	Casing Blows/ft.	Elevation (ft.)	Graphic Log	Visual Description and Remarks	Laboratory Testing Results/ AASHTO and Unified Class.
0	10	24/15	0.0 - 2.0	9-19-18-5	F	0	42	697.6		Top 4": ~TOPSOIL~ (OL)	C=28 A=4, SM w=24.3
							3			Bottom 17": Brown, frozen, silty fine to coarse SAND, some Gravel. ~FILL~ (SM)	0.3
	20	24/3	2.0 - 4.0	6-6-3-8	9	9	11				
							24	693.9		Brown, wet, loose, silty fine to coarse SAND, some Gravel. (SM)	4.0
5	30	19/10	5.0 - 6.6	24-61-63-60/1"	124	124	39				
							96	691.3		Brown, wet, very dense, sandy GRAVEL, little Silt. ~GLACIAL TILL~ (GM)	6.6
							172				
							W#24				
10	40	2/1	10.0 - 10.2	98/2"	R		R/C			Brown, wet, very dense, sandy GRAVEL, little Silt. ~WEATHERED/FRACTURED BEDROCK~	
	50	1/0	15.0 - 15.1	50/1"	R		R/C	682.8		Split spoon refusal at 15.1' bgs.	15.1
15										Casing refusal at 15.6' bgs; roller cone to 17.0' bgs, set up to core.	
	R1	60/44	17.0 - 22.0	RQD = 0%			NQ			Hard to medium hard, fresh to slightly weathered, fine grained, gray, METAPELITE. Joints are extremely close to close, moderately dipping, undulating, rough, fresh. Rock Core Times (min/ft): 1.5, 2.5, 1.75, 3.0 Rock Quality = Very Poor	
20								675.9		Bottom of Exploration at 22.0 feet below ground surface.	22.0
25											

Remarks:
1. "F" indicates frozen soil samples; blow counts not necessarily representative of penetration resistance.
2. Water level measured after stabilizing overnight.

Stratification lines represent approximate boundaries between soil types: transitions may be gradual.
* Water level readings have been made at times and under conditions stated. Groundwater fluctuations may occur due to conditions other than those present at the time measurements were made.

Page 1 of 1 — Boring No.: BB-PB-323

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 006462.92
BRIDGE NO. 6582

BRIDGE PLANS

	R.M.	BY	DATE
PROJ. MANAGER			
DESIGN-DETAILED	B.C.	E.T.	7/2025
CHECKED-REVIEWED	A.B.	C.S.	7/2025
DESIGN2-DETAILED22			
DESIGN3-DETAILED3			

REVISIONS 1	
REVISIONS 2	
REVISIONS 3	
REVISIONS 4	
FIELD CHANGES	

EASTON ROAD BRIDGE
OVER EASTON ROAD
AROOSTOOK COUNTY
PRESQUE ISLE

BORING LOGS 1

PREPARED BY: GZA

SHEET NUMBER
B-73
607
OF 747

Filename: ...\Boring Logs sheets.dgn
Division: HIGHWAY
Username: common
Date:7/29/2025

PRELIMINARY NOT FOR CONSTRUCTION

Maine Department of Transportation

Soil/Rock Exploration Log

US CUSTOMARY UNITS

Project: Presque Isle Bypass Segment 1 09.002583.03

Location: Presque Isle, Maine

Boring No.: BB-PB-514

WIN: 6462.92

Driller:	New England Boring	Elevation (ft.):	692.2	Auger ID/OD:	4.25" OD
Operator:	Mike Porter	Datum:	NAVD 88	Sampler:	Split Spoon
Logged By:	Blaine Cordell	Rig Type:	ATV	Hammer Wt./Fall:	140/30
Date Start/Finish:	01/12/17 - 01/12/17	Drilling Method:	Cased/SSA	Core Barrel:	-
Boring Location:	N702893O.1, E2274534.6	Casing ID/OD:	3"	Water Level *:	5.7'
Hammer Efficiency Factor:	0.6	Hammer Type:	Automatic ☐ Hydraulic ☐ Rope & Cathead ☒		

Definitions:
SS = Split Spoon Sample
MD = Unsuccessful Split Spoon Sample Attempt
U = Undisturbed Sample
UT = Unsuccessful Thin Wall Tube Sample Attempt
V = Field Vane Shear Test, RP = Pocket Penetrometer
WOH = Weight of Hole, Hammer
WOR/C = Weight of Rods or Casing
WOR = Weight of Rig Person
R = Rock Core Sample
SSA = Solid Stem Auger
HSA = Hollow Stem Auger
RC = Roller Cone
RCR = Rock Core Recovery
RQD = Rock Quality Designation
q_u = Peak/Remolded Field Vane Undrained Shear Strength (psf)
S_{ur} (psf) = Lab Vane Undrained Shear Strength (psf)
q_p = Uncofined Compressive Strength (tsf)
N_{60} = SPT Blow Count (bpf)
Hammer Efficiency Factor = Rig Specific Annual Calibration Value
N_{60} = SPT N-uncorrected Corrected for Hammer Efficiency
N_{60} = Hammer Efficiency Factor/60*N-uncorrected
T_v = Pocket Torvane Shear Strength (psf)
MC = Water Content, percent
LL = Liquid Limit
PL = Plastic Limit
PI = Plasticity Index
G = Grain Size Analysis
C = Consolidation Test

Depth (ft.)	Sample No.	Pen./Rec. (in.)	Sample Depth (ft.)	Blows / 6 in. Strength or RQD (*)	N-uncorrected	N60	Casing Blows	Elevation (ft.)	Graphic Log	Visual Description and Remarks	Laboratory Testing Results/ AASHTO and Unified Class.
	Sample Information										
0	10	24/12	1.0 - 3.0	1-3-4-12	7	7	SSA			Brown, moist, loose, silty fine to coarse SAND, some Gravel. **GLACIAL TILL**- (SM)	
5	20	24/16	5.0 - 7.0	14-22-20-17	42	42				Brown/gray, moist, dense, sandy GRAVEL, trace Silt. **GLACIAL TILL**- (GP)	
							R/C	684.1		Casing met refusal at 8.1' bgs. Roller cone advanced from 8.1'-12.1' bgs. Roller cone times (min/sec): 8.1-11.1 (less than 1:00) Moderate resistance during roller cone advancement indicates possible weak/fractured bedrock.	
10										11.1-12.1 (3:00) Increased resistance during roller cone advancement indicates possible increased bedrock quality.	
								680.1		Bottom of Exploration at 12.1 feet below ground surface.	12.1'
15											
20											
25											

Remarks:
1. Water level measured 15 minutes after completion of drilling.
2. Advanced roller cone with approximately 750 psi.

Stratification lines represent approximate boundaries between soil types; transitions may be gradual.
* Water level readings have been made at times and under conditions stated. Groundwater fluctuations may occur due to conditions other than those present at the time measurements were made.

Page 1 of 1

Boring No.: BB-PB-514

Maine Department of Transportation

Soil/Rock Exploration Log

US CUSTOMARY UNITS

Project: Presque Isle Bypass Segment 1 09.002583.03

Location: Presque Isle, Maine

Boring No.: BB-PB-513

WIN: 6462.92

Driller:	New England Boring	Elevation (ft.):	690.6	Auger ID/OD:	""
Operator:	Mike Porter	Datum:	NAVD 88	Sampler:	Split Spoon
Logged By:	Blaine Cordell	Rig Type:	ATV	Hammer Wt./Fall:	140/30
Date Start/Finish:	01/11/17 - 01/11/17	Drilling Method:	Cased/SSA	Core Barrel:	NX
Boring Location:	N702893S.4, E2274505.3	Casing ID/OD:	4"/3"	Water Level *:	8.5'
Hammer Efficiency Factor:	0.6	Hammer Type:	Automatic ☐ Hydraulic ☐ Rope & Cathead ☒		

Definitions:
SS = Split Spoon Sample
MD = Unsuccessful Split Spoon Sample Attempt
U = Undisturbed Sample
UT = Unsuccessful Thin Wall Tube Sample Attempt
V = Field Vane Shear Test, RP = Pocket Penetrometer
WOH = Weight of Hole, Hammer
WOR/C = Weight of Rods or Casing
WOR = Weight of Rig Person
R = Rock Core Sample
SSA = Solid Stem Auger
HSA = Hollow Stem Auger
RC = Roller Cone
RCR = Rock Core Recovery
RQD = Rock Quality Designation
q_u = Peak/Remolded Field Vane Undrained Shear Strength (psf)
S_{ur} (psf) = Lab Vane Undrained Shear Strength (psf)
q_p = Uncofined Compressive Strength (tsf)
N_{60} = SPT Blow Count (bpf)
Hammer Efficiency Factor = Rig Specific Annual Calibration Value
N_{60} = SPT N-uncorrected Corrected for Hammer Efficiency
N_{60} = Hammer Efficiency Factor/60*N-uncorrected
T_v = Pocket Torvane Shear Strength (psf)
MC = Water Content, percent
LL = Liquid Limit
PL = Plastic Limit
PI = Plasticity Index
G = Grain Size Analysis
C = Consolidation Test

Depth (ft.)	Sample No.	Pen./Rec. (in.)	Sample Depth (ft.)	Blows / 6 in. Strength or RQD (*)	N-uncorrected	N60	Casing Blows	Elevation (ft.)	Graphic Log	Visual Description and Remarks	Laboratory Testing Results/ AASHTO and Unified Class.
	Sample Information										
0	10	24/12	1.0 - 3.0	1-3-8-14	11	11	SSA			Brown, moist, medium dense, silty fine to coarse SAND, little Gravel. **GLACIAL TILL**- (SM)	
5	20	8/8	4.0 - 4.7	29-70/2"	R					Brown/gray, dry, very dense, sandy GRAVEL, little Silt. **GLACIAL TILL**- (GM)	
							R/C	684.9		Split spoon refusal at 4.7' bgs. Casing met refusal at 5.7' bgs. Advanced roller bit through apparent fractured rock with 750 psi on drill head. Increased resistance at 8.0' bgs, then set up to core.	5.7'
	R1	56/56	8.0 - 12.7	RQD = 30%			NX	682.6		R1: Hard, fresh, aphanitic, grey, **METAPELITE**. Primary joints are close to moderately spaced, high angle, rough, planar, fresh, partially open to open. Secondary joints are close to moderately spaced, low angle, rough, planar, fresh to discolored, partially open to open. Rock Quality = Poor Rock Core Times (min/ft): 2.25, 2.5, 2.0, 2.0, 2.25/ 0.7"	8.0'
10											
								677.9		Bottom of Exploration at 12.7 feet below ground surface.	12.7'
15											
20											
25											

Remarks:
1. Water level measured 15 minutes after completion of drilling.
2. 4" casing to 5.7' bgs, then 3" casing to 8.0' bgs.

Stratification lines represent approximate boundaries between soil types; transitions may be gradual.
* Water level readings have been made at times and under conditions stated. Groundwater fluctuations may occur due to conditions other than those present at the time measurements were made.

Page 1 of 1

Boring No.: BB-PB-513

Maine Department of Transportation

Soil/Rock Exploration Log

US CUSTOMARY UNITS

Project: Presque Isle Bypass - Segment 1 09.002583.03

Location: Presque Isle, Maine

Boring No.: BB-PB-325

WIN: 6462.92

Driller:	New England Boring	Elevation (ft.):	688.7	Auger ID/OD:	
Operator:	Mike Porter	Datum:	NAVD 88	Sampler:	Split Spoon
Logged By:	Blaine Cordell	Rig Type:	ATV	Hammer Wt./Fall:	140/30
Date Start/Finish:	4/21/15-4/21/15	Drilling Method:	Drive & Wash	Core Barrel:	NQ
Boring Location:	N702894.3.9, E2274472.9	Casing ID/OD:	3" ID	Water Level *:	1.8'
Hammer Efficiency Factor:	0.6	Hammer Type:	Automatic ☐ Hydraulic ☐ Rope & Cathead ☒		

Definitions:
SS = Split Spoon Sample
MD = Unsuccessful Split Spoon Sample Attempt
U = Undisturbed Sample
UT = Unsuccessful Thin Wall Tube Sample Attempt
V = Field Vane Shear Test, RP = Pocket Penetrometer
WOH = Weight of Hole, Hammer
WOR/C = Weight of Rods or Casing
WOR = Weight of Rig Person
R = Rock Core Sample
SSA = Solid Stem Auger
HSA = Hollow Stem Auger
RC = Roller Cone
RCR = Rock Core Recovery
RQD = Rock Quality Designation
q_u = Peak/Remolded Field Vane Undrained Shear Strength (psf)
S_{ur} (psf) = Lab Vane Undrained Shear Strength (psf)
q_p = Uncofined Compressive Strength (tsf)
N_{60} = SPT Blow Count (bpf)
Hammer Efficiency Factor = Rig Specific Annual Calibration Value
N_{60} = SPT N-uncorrected Corrected for Hammer Efficiency
N_{60} = Hammer Efficiency Factor/60*N-uncorrected
T_v = Pocket Torvane Shear Strength (psf)
MC = Water Content, percent
LL = Liquid Limit
PL = Plastic Limit
PI = Plasticity Index
G = Grain Size Analysis
C = Consolidation Test

Depth (ft.)	Sample No.	Pen./Rec. (in.)	Sample Depth (ft.)	Blows / 6 in. Strength or RQD (*)	N-uncorrected	N60	Casing Blows	Elevation (ft.)	Graphic Log	Visual Description and Remarks	Laboratory Testing Results/ AASHTO and Unified Class.
	Sample Information										
0	10	24/18	0.0 - 2.0	7-13-4-5	F	6	7			Brown, frozen, fine to coarse SAND, trace Gravel, trace Silt. **FILL**- (SP)	
							8	686.7			2.0'
5	20	24/15	2.0 - 4.0	18-30-32-12	62	62	25			Brown, wet, very dense, sandy GRAVEL, trace Silt. **GLACIAL TILL**- (GP)	
							32				
							60 R/C	684.1		Casing refusal at 4.6' bgs; possible bedrock. Roller cone to 5.0' bgs and begin coring. Hard to medium hard, fresh to slightly weathered, fine grained, gray, **METAPELITE**. Joints are moderately close to very close, moderately dipping, undulating, rough, fresh. Calcite stringers and veins. Rock Quality = Very Poor Rock Core Times (min/ft): 1.75, 1.75, 2. 0, 3.5	4.6'
	R1	60/57	5.0 - 10.0	RQD = 20%			NQ				
10								678.7		Bottom of Exploration at 10.0 feet below ground surface.	10.0'
15											
20											
25											

Remarks:
1. "F" indicates frozen soil sampled; blow counts not necessarily representative of penetration resistance.

Stratification lines represent approximate boundaries between soil types; transitions may be gradual.
* Water level readings have been made at times and under conditions stated. Groundwater fluctuations may occur due to conditions other than those present at the time measurements were made.

Page 1 of 1

Boring No.: BB-PB-325

Maine Department of Transportation

Soil/Rock Exploration Log

US CUSTOMARY UNITS

Project: Presque Isle Bypass - Segment 1 09.002583.03

Location: Presque Isle, Maine

Boring No.: BB-PB-326

WIN: 6462.92

Driller:	New England Boring	Elevation (ft.):	695.3	Auger ID/OD:	
Operator:	Mike Porter	Datum:	NAVD 88	Sampler:	Split Spoon
Logged By:	Blaine Cordell	Rig Type:	ATV	Hammer Wt./Fall:	140/30
Date Start/Finish:	4/21/15-4/21/15	Drilling Method:	Drive & Wash	Core Barrel:	NQ
Boring Location:	N702895O.2, E2274577	Casing ID/OD:	3" ID	Water Level *:	2.2'
Hammer Efficiency Factor:	0.6	Hammer Type:	Automatic ☐ Hydraulic ☐ Rope & Cathead ☒		

Definitions:
SS = Split Spoon Sample
MD = Unsuccessful Split Spoon Sample Attempt
U = Undisturbed Sample
UT = Unsuccessful Thin Wall Tube Sample Attempt
V = Field Vane Shear Test, RP = Pocket Penetrometer
WOH = Weight of Hole, Hammer
WOR/C = Weight of Rods or Casing
WOR = Weight of Rig Person
R = Rock Core Sample
SSA = Solid Stem Auger
HSA = Hollow Stem Auger
RC = Roller Cone
RCR = Rock Core Recovery
RQD = Rock Quality Designation
q_u = Peak/Remolded Field Vane Undrained Shear Strength (psf)
S_{ur} (psf) = Lab Vane Undrained Shear Strength (psf)
q_p = Uncofined Compressive Strength (tsf)
N_{60} = SPT Blow Count (bpf)
Hammer Efficiency Factor = Rig Specific Annual Calibration Value
N_{60} = SPT N-uncorrected Corrected for Hammer Efficiency
N_{60} = Hammer Efficiency Factor/60*N-uncorrected
T_v = Pocket Torvane Shear Strength (psf)
MC = Water Content, percent
LL = Liquid Limit
PL = Plastic Limit
PI = Plasticity Index
G = Grain Size Analysis
C = Consolidation Test

Depth (ft.)	Sample No.	Pen./Rec. (in.)	Sample Depth (ft.)	Blows / 6 in. Strength or RQD (*)	N-uncorrected	N60	Casing Blows	Elevation (ft.)	Graphic Log	Visual Description and Remarks	Laboratory Testing Results/ AASHTO and Unified Class.
	Sample Information										
0	10	24/24	0.0 - 2.0	8-13-19-13	24	24	10			Brown, moist, medium dense, fine to coarse SAND, trace Gravel. **FOREST MAT**- (SP)	
							13	693.3			2.0'
5	20	24/20	2.0 - 4.0	5-7-8-10	13	13	7			Brown, wet, medium dense, silty fine to coarse SAND, trace Gravel. **GLACIAL TILL**- (SM)	
							8				
							15			Brown, wet, medium dense, gravelly fine to coarse Sand, trace Silt. **GLACIAL TILL**- (SP)	
	30	24/16	5.0 - 7.0	6-6-9-12	15	15	19				
							30				
							50				
							128				
							R/C	685.2		Split spoon refusal at 10.1' bgs; possible bedrock. Advanced roller cone to 12.0' bgs and begin to core.	10.1'
10	40	5/0	10.0 - 10.1	50/1"	R						
	R1	60/48	12.0 - 17.0	RQD = 23%			NQ			Hard to medium hard, fresh to slightly weathered, fine grained, gray, **METAPELITE**. Joints are extremely close to close, high angle to moderately dipping, undulating, rough. Some calcite stringers and veins. Rock Quality = Very Poor Rock Core Times (min/ft): 1.75, 1.75, 1.75, 1.5, 2.0	
15											
								678.3		Bottom of Exploration at 17.0 feet below ground surface.	17.0'
20											
25											

Remarks:

Stratification lines represent approximate boundaries between soil types; transitions may be gradual.
* Water level readings have been made at times and under conditions stated. Groundwater fluctuations may occur due to conditions other than those present at the time measurements were made.

Page 1 of 1

Boring No.: BB-PB-326

DRAFT
CONSTRUCTION

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 006462.92

BRIDGE NO. 6582

BRIDGE PLANS

	R.M.	BY	DATE
PROJ. MANAGER			
DESIGN-DETAILED	B.C.	E.T.	7/2025
CHECKED-REVIEWED	A.B.	C.S.	7/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

EASTON ROAD BRIDGE
OVER EASTON ROAD
PRESQUE ISLE AROOSTOOK COUNTY

BORING LOGS 2

PREPARED BY:

GZA

SHEET NUMBER

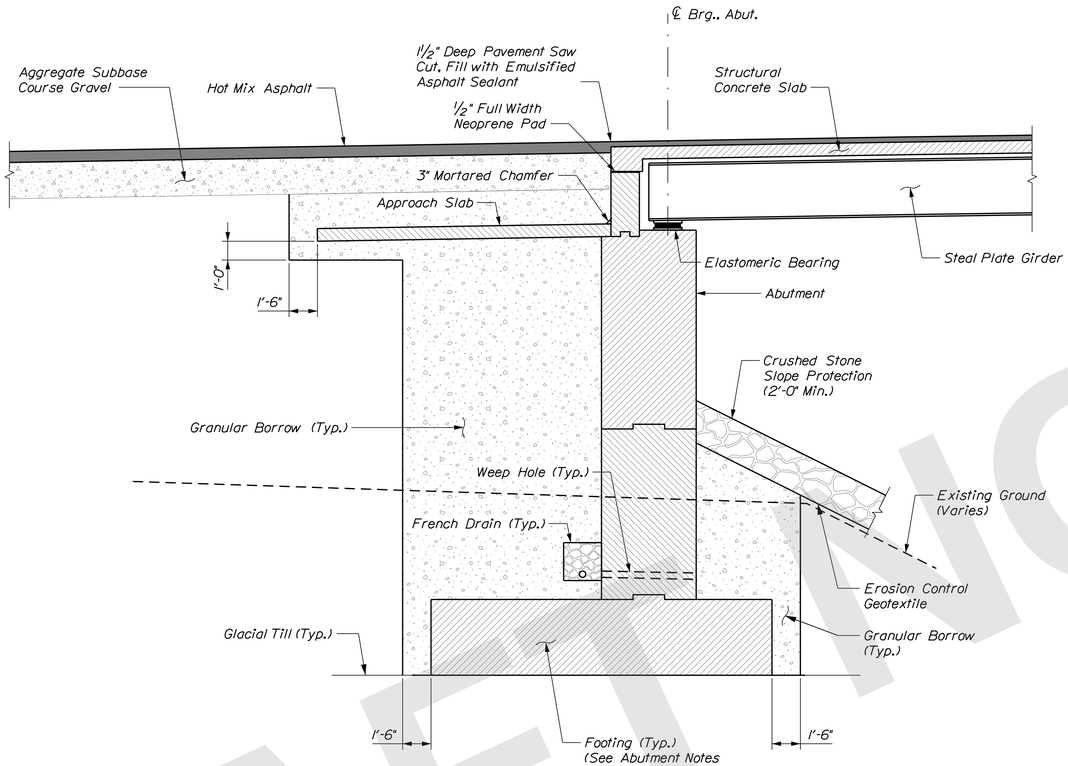
B-74

608

OF 747

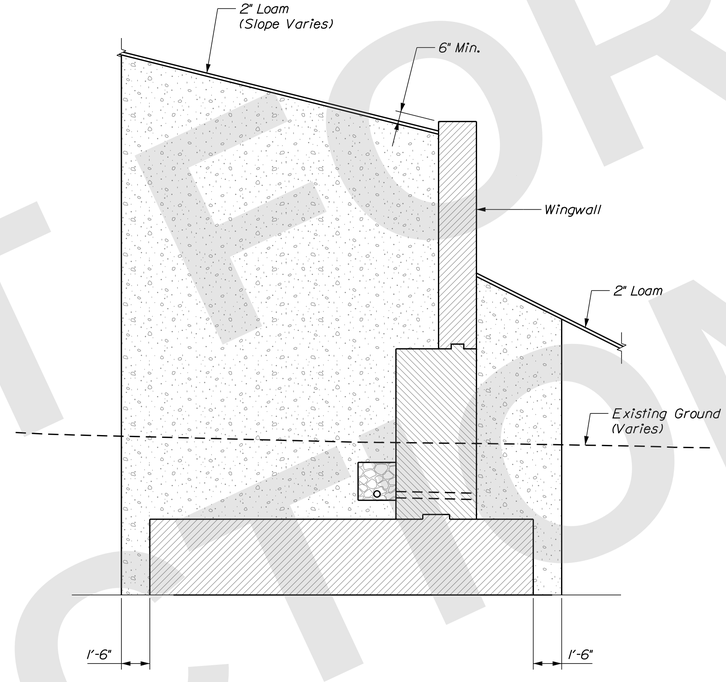
Filename: ...\Boring Logs sheets.dgn Division: HIGHWAY Username: common Date:7/29/2025

Username: jamesdavis Date:9/2/2025
Division: HIGHWAY
Filename: ...\Easton Rd\B62_Abut_Detail.dgn



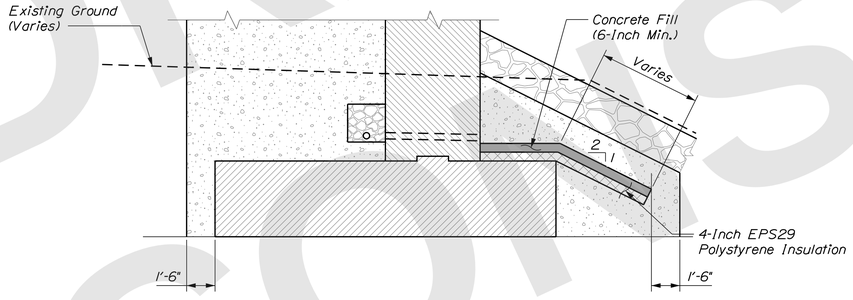
ABUTMENT SECTION

(Abutment No. 1 Shown, Abutment No. 2 Similar)
(Footing on Glacial Till Shown)



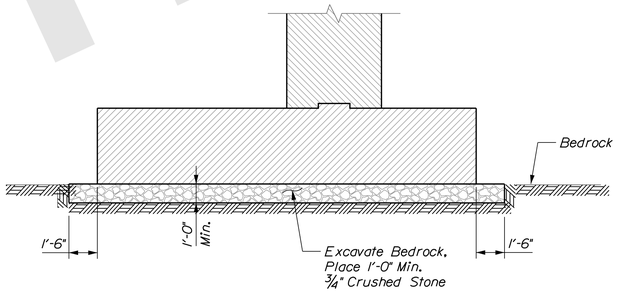
WINGWALL SECTION

(Footing on Glacial Till Shown)



FOOTING INSULATION DETAIL

(Footing on Glacial Till Shown, Footing on Bedrock Similar)



FOUNDATION ON BEDROCK

Not to Scale
(See Abutment and Wingwall Sections for Backfill Details)

ABUTMENT NOTES

1. The maximum factored applied footing pressure at both Abutments is 11 ksf at Strength I Limit State and 7 ksf at Service Limit State.

2. Structural Earth Excavation, required more than 12 inches below the bottom of the structure, will be paid for in accordance with Standard Specifications Section 206, Structural Excavation.

3. Abutments, wingwalls and their footings shall be backfilled with Granular Borrow. Pay limits are as shown in the typical sections.

4. Reinforcing steel shall have a minimum concrete cover of 2 inches in the walls and 3 inches in the footings unless otherwise noted.

5. Place drains with a 4 inch diameter in the breastwall and wingwalls at 10 feet maximum spacing. The exact location will be determined by the Resident.

6. Cover joints where waterstops are not required in accordance with Standard Details Section 502.

7. Spread footings bearing on soil shall be supported on natural deposited soil and proof compacted or on ¾ inch crushed stone (Item No. 203.35 Crushed Stone ¾ inch). Natural soil subgrade surfaces shall be confirmed by the Resident.

8. Bedrock which protrudes above the bottom of footing elevation shown on the plans shall be removed to at least 1 foot below footing subgrade and replaced with ¾ inch crushed stone. Payment for bedrock removal shall be made under Item No. 206.092, Structural Rock Excavation - Major Structures.

9. See Footing Plan Sheets for Limits of Foundation Insulation.

10. Transverse saw cuts in the pavement shall be sealed with emulsified asphalt sealing compound conforming to Specification 702.12. The saw cut and emulsified sealing shall not be paid for directly, but considered incidental to related Contract Items.

11. Payment for mortared chamfer at approach slabs shall not be paid for directly, but shall be considered incidental to related Contract Items.

12. Neoprene pad will not be paid for separately, but will be considered incidental to related Contract Items.

DRAFT NOT FOR CONSTRUCTION

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 006462.92
BRIDGE NO. 6582
BRIDGE PLANS

vhb

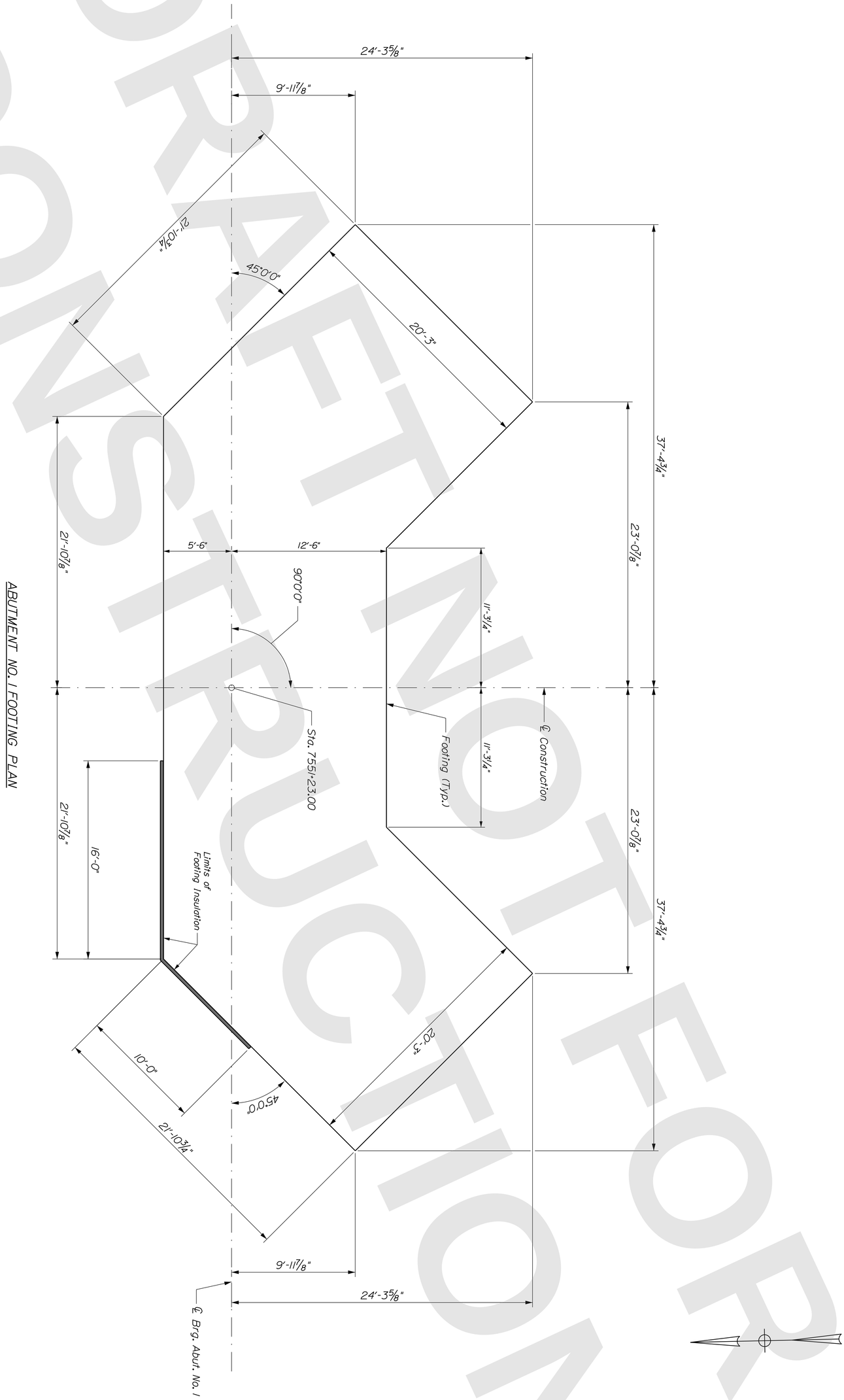
PROJ. MANAGER	R.M.		
DESIGN-DETAILED	JAH	1	08/2025
CHECKED-REVIEWED	YP	2	08/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

EASTON ROAD BRIDGE
OVER EASTON ROAD
PRESQUE ISLE AROOSTOOK COUNTY

ABUTMENT & WINGWALL DETAILS

SHEET NUMBER
B-75
609
OF 747

DRAFT NOT FOR CONSTRUCTION



ABUTMENT NO. 1 FOOTING PLAN

PROJ. MANAGER	R.M.	BY	DATE
DESIGN-DETAILED	JAH	JAH	08/2025
CHECKED-REVIEWED	YP	SMH	08/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SHEET NUMBER B-76 610 OF 747

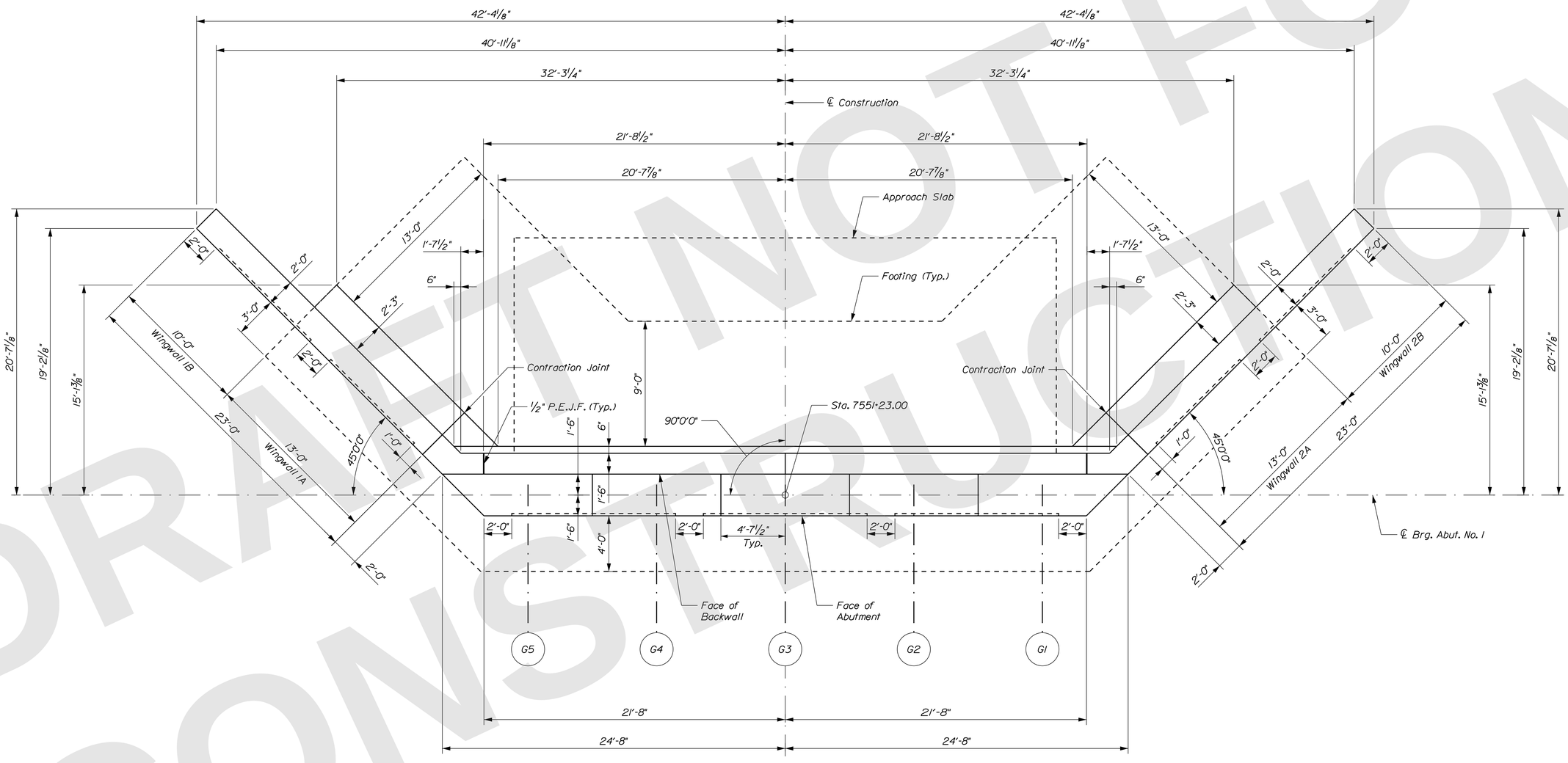
EASTON ROAD BRIDGE
OVER EASTON ROAD
PRESQUE ISLE AROOSTOOK COUNTY

ABUTMENT NO. 1 FOOTING PLAN

vhb

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
CAPITAL PROJECTS

BRIDGE NO. 6582 WIN 006462.92 BRIDGE PLANS



ABUTMENT NO. 1 PLAN

DRAFT NOT FOR CONSTRUCTION

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN **006462.92**

BRIDGE NO. 6582 — BRIDGE PLANS

vhb

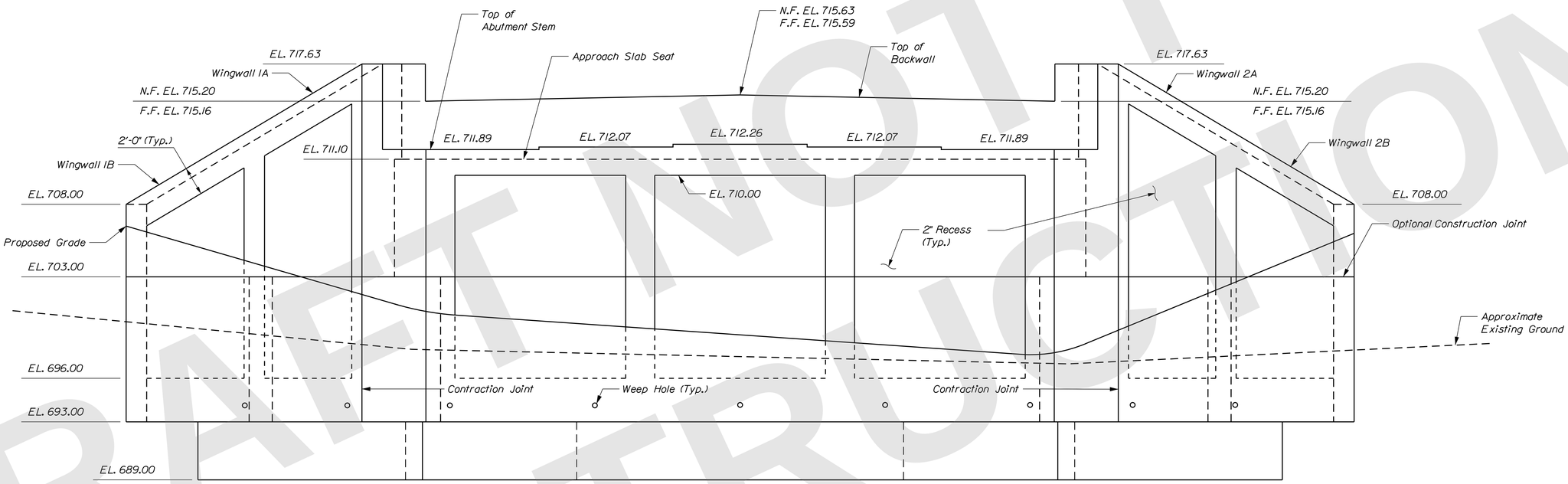
	BY	DATE
R.M.		
PROJ. MANAGER		
DESIGN-DETAILED	JAH	08/2025
CHECKED-REVIEWED	YP	
DESIGN2-DETAILED2		
DESIGN3-DETAILED3	SMH	08/2025
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

EASTON ROAD BRIDGE
OVER EASTON ROAD
PRESQUE ISLE — AROOSTOOK COUNTY

ABUTMENT NO. 1 PLAN

SHEET NUMBER
B-77
611
OF 747

Filename: ...\Easton Rd\B64_Abut1_01.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025



ABUTMENT NO. 1 ELEVATION

DRAFT NOT FOR CONSTRUCTION

Filename: ...\Easton Rd\B65_Abut1_02.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 006462.92

BRIDGE NO. 6582

BRIDGE PLANS

vhb

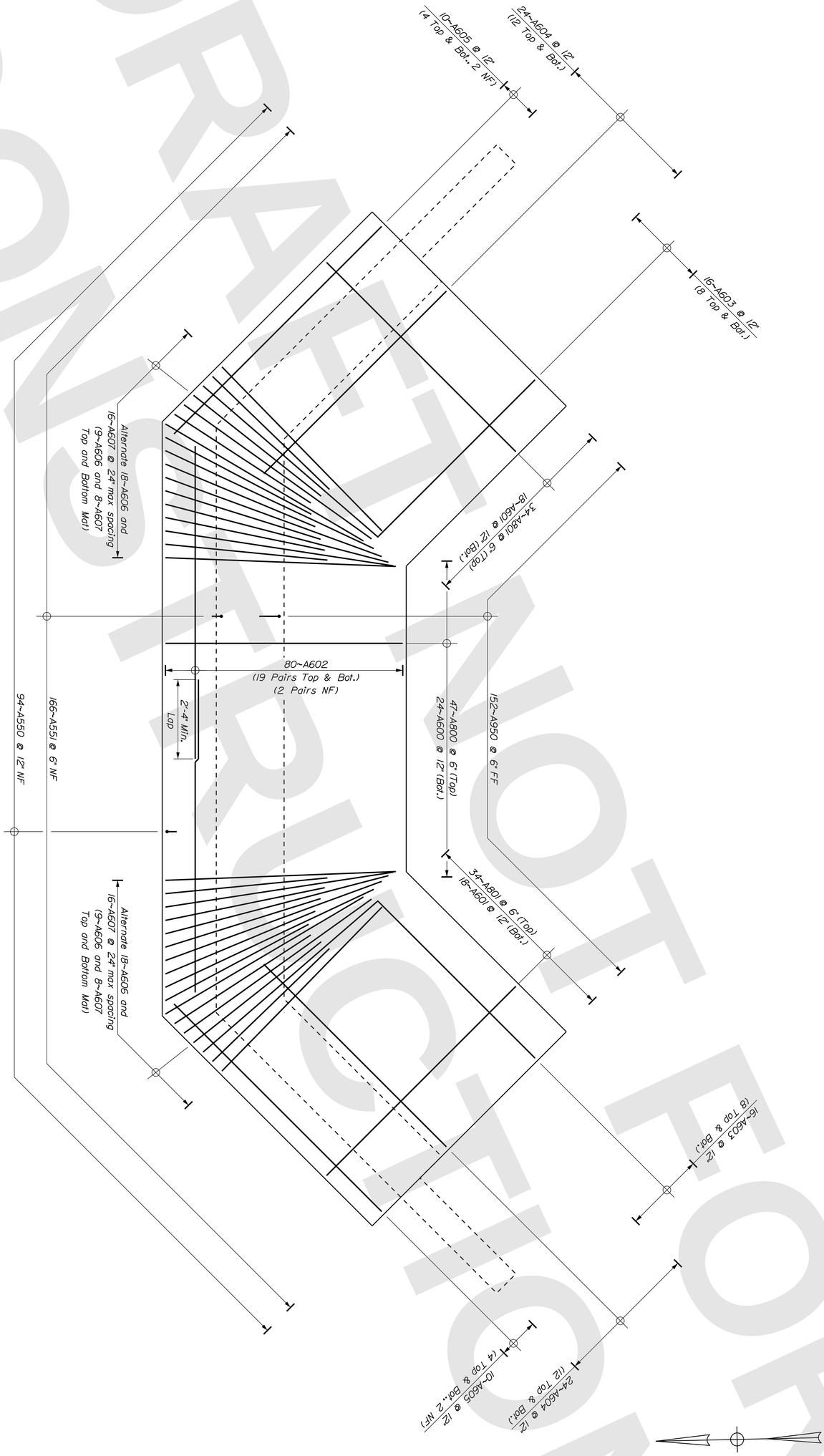
	R.M.	BY	DATE
PROJ. MANAGER			
DESIGN-DETAILED	JAH	JAH	08/2025
CHECKED-REVIEWED	YP	SMH	08/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

EASTON ROAD BRIDGE
OVER EASTON ROAD
PRESQUE ISLE AROOSTOOK COUNTY

ABUTMENT NO. 1 ELEVATION

SHEET NUMBER
B-78
612
OF 747

DRAFT NOT FOR CONSTRUCTION



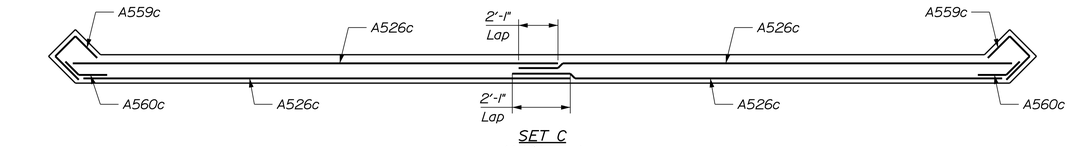
ABUTMENT NO. 1 FOOTING REINFORCING PLAN

REINFORCING KEY

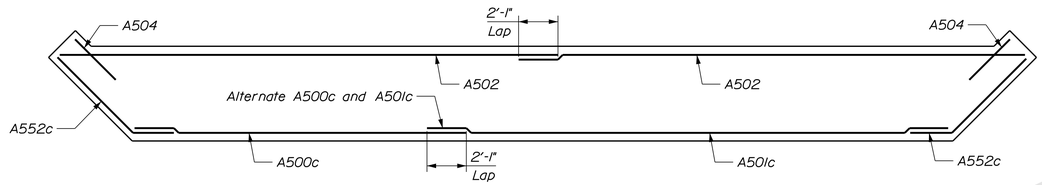
EF = Each Face
NF = Near Face
FF = Far Face

SHEET NUMBER B-79 613 OF 747	EASTON ROAD BRIDGE OVER EASTON ROAD PRESQUE ISLE AROOSTOOK COUNTY	ABUTMENT NO. 1 FOOTING REINFORCING	STATE OF MAINE DEPARTMENT OF TRANSPORTATION CAPITAL PROJECTS WIN 006462.92 BRIDGE NO. 6582 BRIDGE PLANS

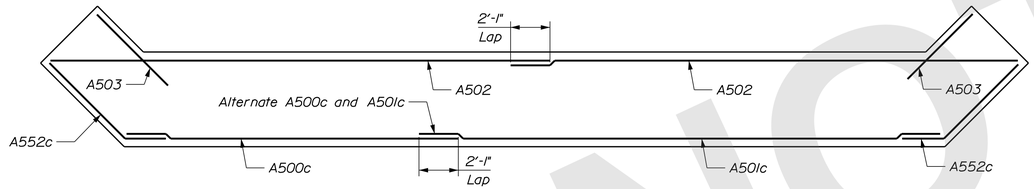
PROJ. MANAGER	R.M.	BY	DATE
DESIGN-DETAILED	JAH	JAH	08/2025
CHECKED-REVIEWED	YP	SMH	08/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			



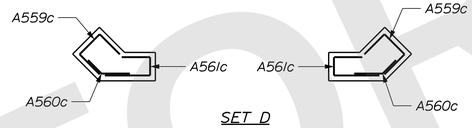
SET C
(All Chromx)



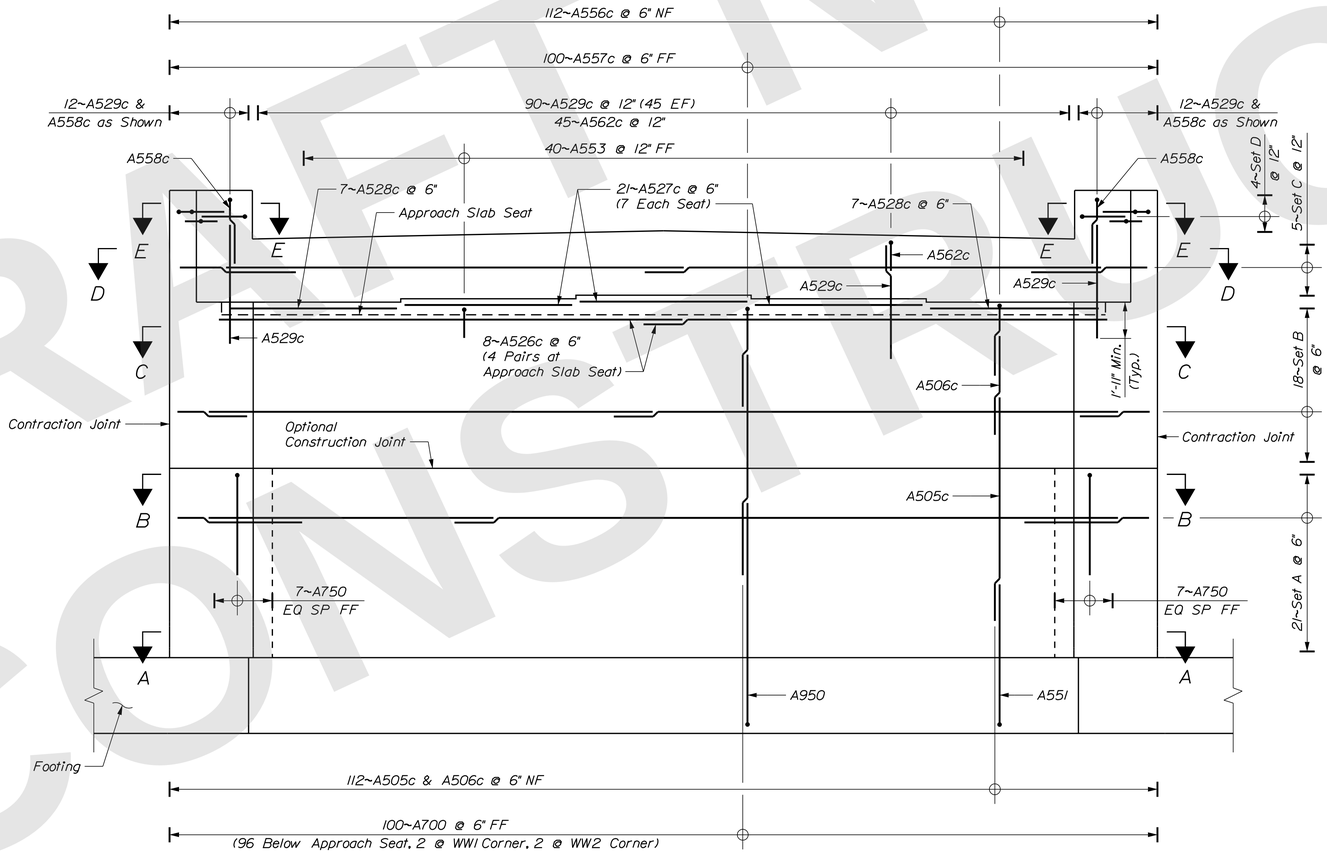
SET B



SET A



SET D
(All Chromx)



ABUTMENT NO. 1 REINFORCING ELEVATION
(Recess Panels and Wingwalls Beyond Contraction Joints are not Shown for Clarity)

REINFORCING KEY

EF = Each Face
NF = Near Face
FF = Far Face

DRAFT NOT FOR CONSTRUCTION

Filename: ...\B69_Abut1_StemRein_01.dgn Username: jamesdavis Date:9/2/2025

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 006462.92

BRIDGE NO. 6582

BRIDGE PLANS

vhb

R.M.	BY	DATE
	JAH	08/2025
	SMH	08/2025

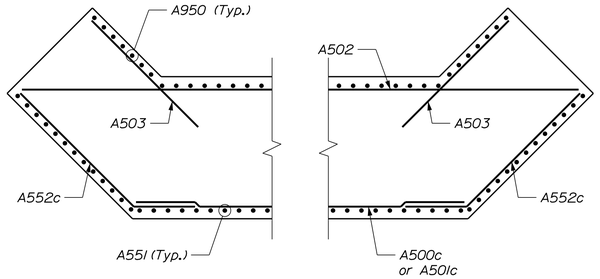
PROJ. MANAGER
DESIGN-DETAILED JAH
CHECKED-REVIEWED YP
DESIGN2-DETAILED2
DESIGN3-DETAILED3
REVISIONS 1
REVISIONS 2
REVISIONS 3
REVISIONS 4
FIELD CHANGES

EASTON ROAD BRIDGE
OVER EASTON ROAD
PRESQUE ISLE AROOSTOOK COUNTY

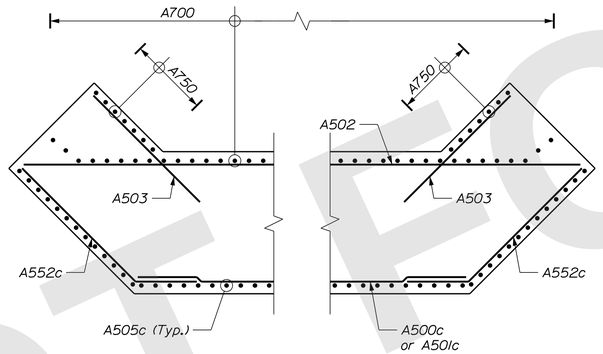
ABUTMENT NO. 1
STEM REINFORCING (1 OF 2)

SHEET NUMBER
B-80
614
OF 747

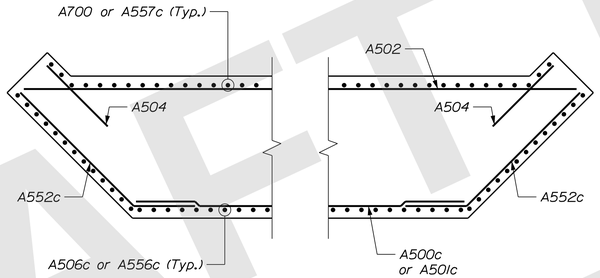
Filename: ...\B69_Abut1_StemRein_02.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025



SECTION A-A

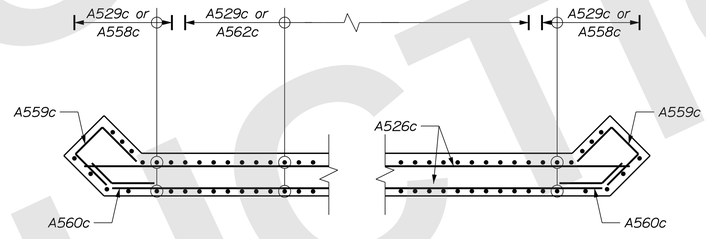


SECTION B-B

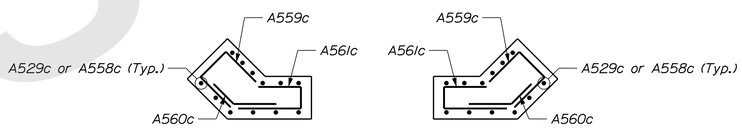


SECTION C-C

(Bridge Seat, Approach Slab Seat, and Backwall Bars not Shown for Clarity)



SECTION D-D



SECTION E-E

DRAFT NOT FOR CONSTRUCTION

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 006462.92

BRIDGE NO. 6582

BRIDGE PLANS

vhb

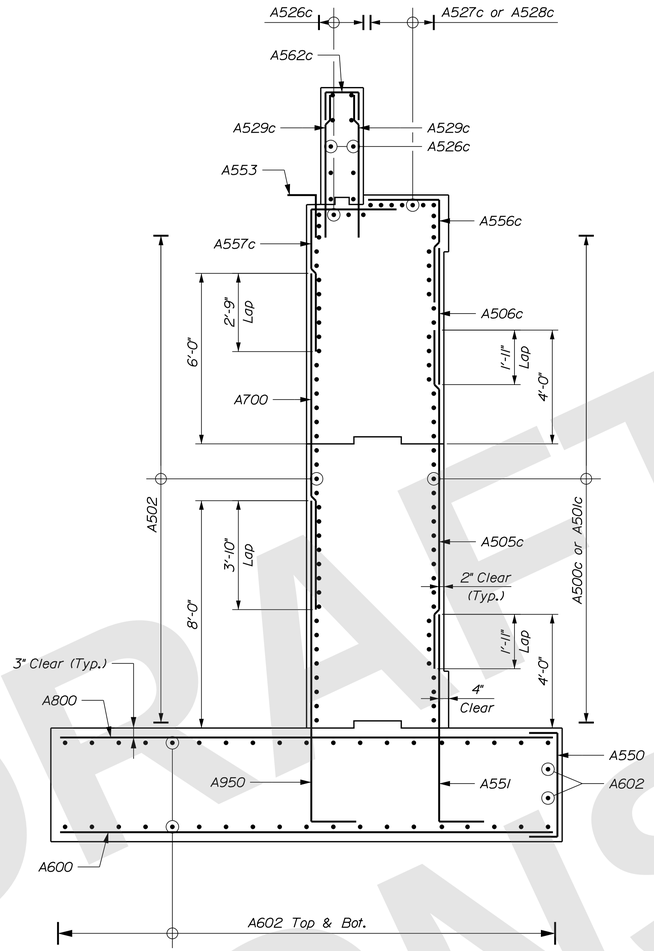
PROJ. MANAGER	R.M.		
DESIGN-DETAILED	JAH	08/2025	
CHECKED-REVIEWED	YP	08/2025	
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			1
REVISIONS 2			2
REVISIONS 3			3
REVISIONS 4			4
FIELD CHANGES			

EASTON ROAD BRIDGE
OVER EASTON ROAD
PRESQUE ISLE AROOSTOOK COUNTY

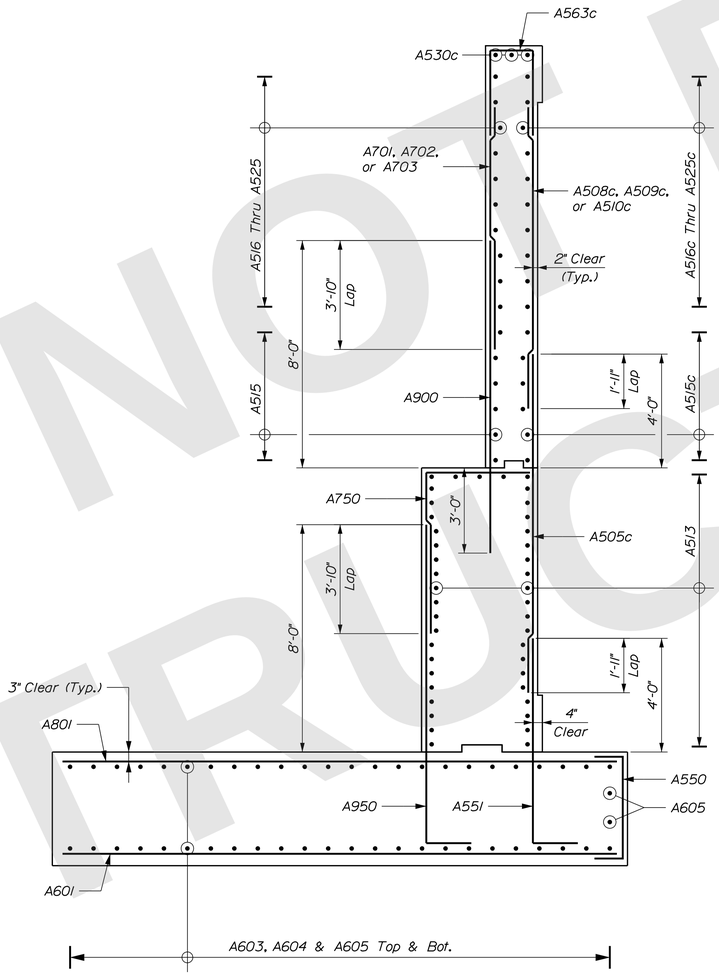
ABUTMENT NO.1
STEM REINFORCING (2 OF 2)

SHEET NUMBER
B-81
615
OF 747

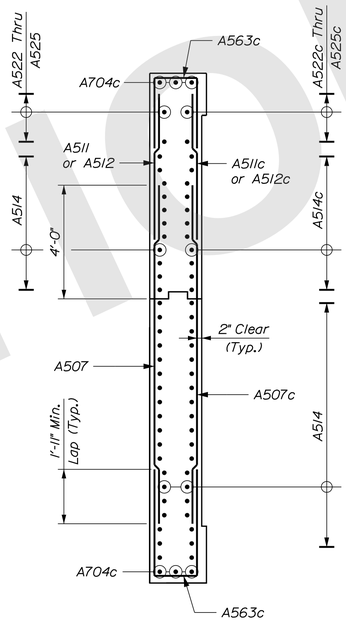
Filename: ...\B40_Abut_Detail_Rein.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025



ABUTMENT NO. 1 SECTION



WINGWALL IA SECTION
(Wingwall 2A Similar)



WINGWALL IB SECTION
(Wingwall 2B Similar)

DRAFT NOT FOR CONSTRUCTION

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 006462.92

BRIDGE NO. 6582 BRIDGE PLANS

vhb

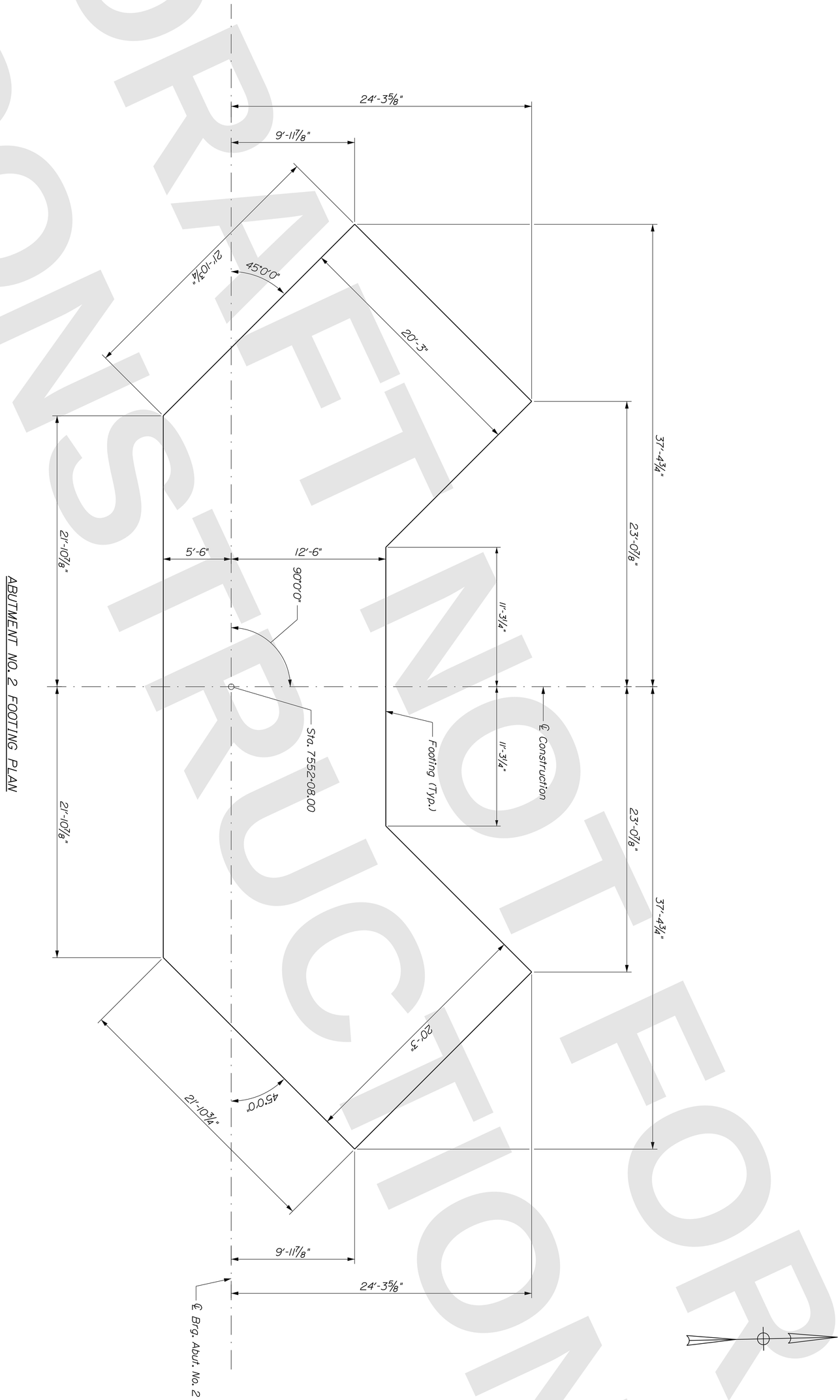
	R.M.	BY	DATE
PROJ. MANAGER			
DESIGN-DETAILED	JAH	JAH	08/2025
CHECKED-REVIEWED	YP	SMH	08/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

EASTON ROAD BRIDGE
OVER EASTON ROAD
PRESQUE ISLE AROOSTOOK COUNTY

ABUTMENT NO. 1 REINFORCING SECTIONS

SHEET NUMBER
B-82
616
OF 747

DRAFT NOT FOR CONSTRUCTION



ABUTMENT NO. 2 FOOTING PLAN

PROJ. MANAGER	R.M.	BY	DATE
DESIGN-DETAILED	JAH	JAH	08/2025
CHECKED-REVIEWED	YP	SMH	08/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

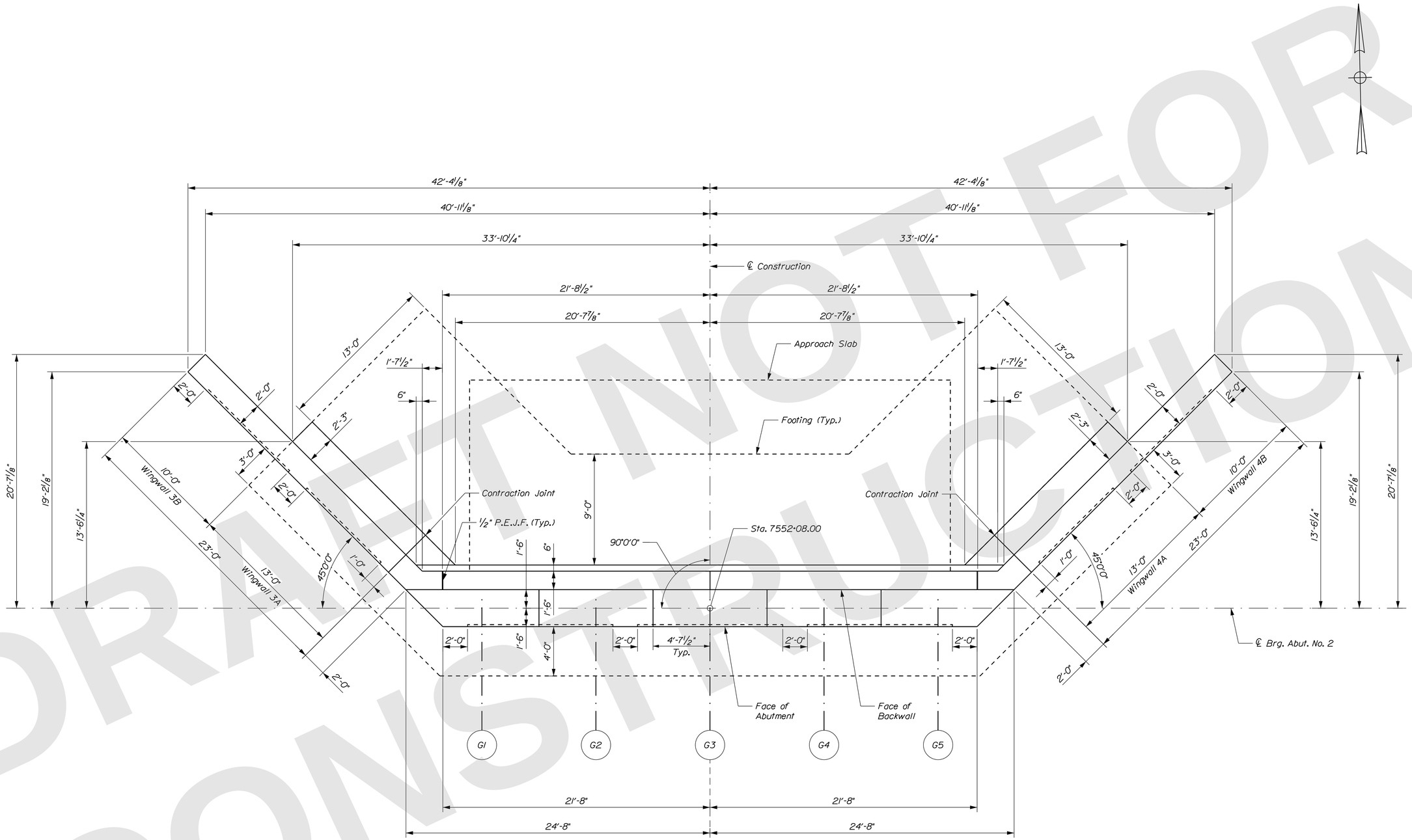
SHEET NUMBER B-83 617 OF 747

EASTON ROAD BRIDGE
OVER EASTON ROAD
PRESQUE ISLE AROOSTOOK COUNTY

ABUTMENT NO. 2 FOOTING PLAN

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
CAPITAL PROJECTS

BRIDGE NO. 6582 WIN 006462.92 BRIDGE PLANS



ABUTMENT NO. 2 PLAN

DRAFT NOT FOR CONSTRUCTION

Filename: ...\Easton Rd\B71_Abut2_01.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 006462.92

BRIDGE NO. 6582

BRIDGE PLANS

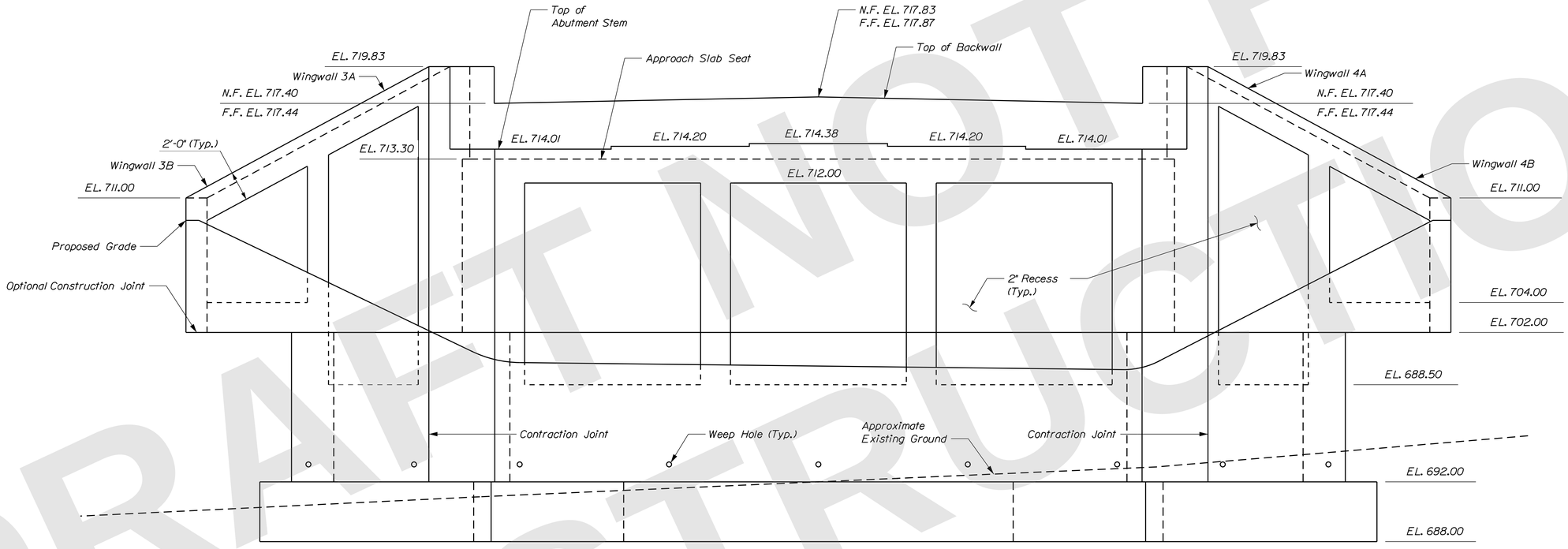
vhb

	R.M.	BY	DATE
PROJ. MANAGER			
DESIGN-DETAILED	JAH	JAH	08/2025
CHECKED-REVIEWED	YP	SMH	08/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

EASTON ROAD BRIDGE
OVER EASTON ROAD
PRESQUE ISLE AROOSTOOK COUNTY

ABUTMENT NO. 2 PLAN

SHEET NUMBER
B-84
618
OF 747



ABUTMENT NO. 2 ELEVATION

DRAFT NOT FOR CONSTRUCTION

Filename: ...\Easton Rd\B72_Abut2_02.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 006462.92

BRIDGE NO. 6582

BRIDGE PLANS

vhb

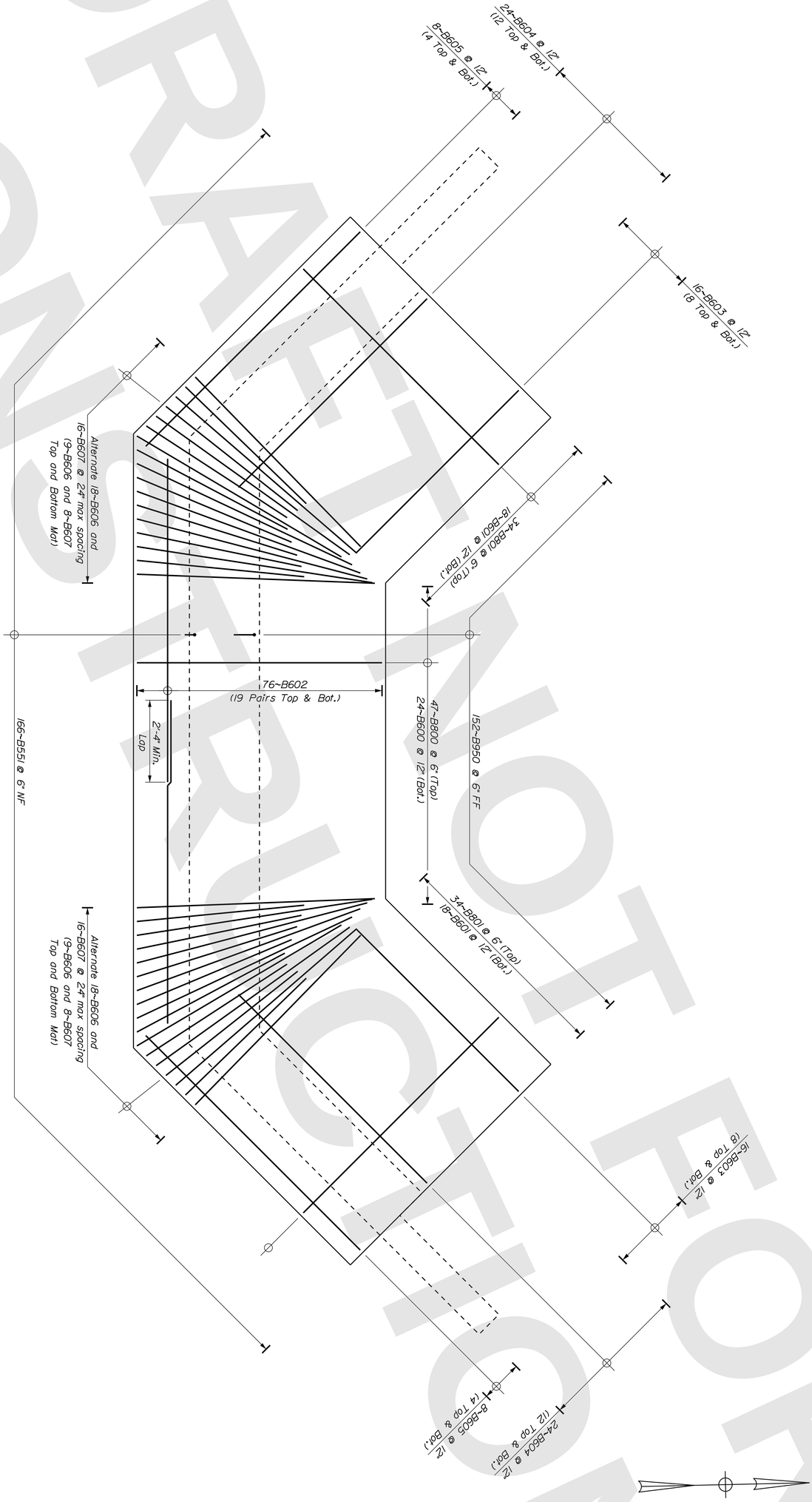
PROJ. MANAGER	R.M.		
DESIGN-DETAILED	JAH	08/2025	JAH
CHECKED-REVIEWED	YP	08/2025	SMH
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

EASTON ROAD BRIDGE
OVER EASTON ROAD
PRESQUE ISLE AROOSTOOK COUNTY

ABUTMENT NO. 2 ELEVATION

SHEET NUMBER
B-85
619
OF 747

DRAFT NOT FOR CONSTRUCTION



ABUTMENT NO. 2 FOOTING REINFORCING PLAN

REINFORCING KEY

EF = Each Face
NF = Near Face
FF = Far Face

EASTON ROAD BRIDGE
OVER EASTON ROAD
PRESQUE ISLE AROOSTOOK COUNTY

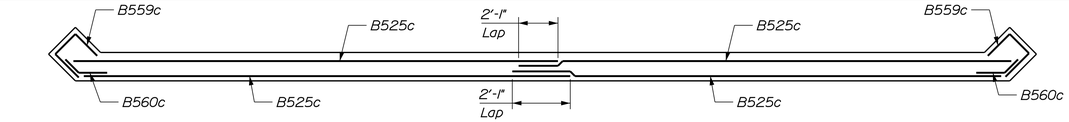
ABUTMENT NO. 2
FOOTING REINFORCING

SHEET NUMBER B-86 620 OF 747

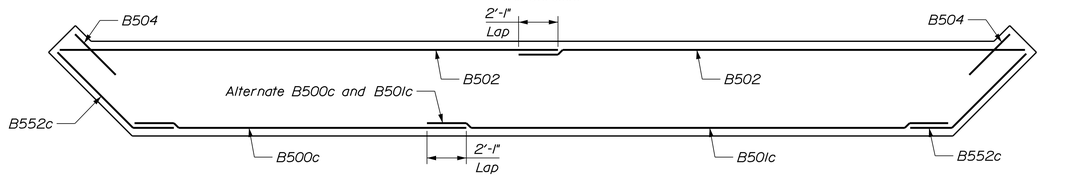
PROJ. MANAGER	R.M.	BY	DATE
DESIGN-DETAILED	JAH	JAH	08/2025
CHECKED-REVIEWED	YP	SMH	08/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

vhb

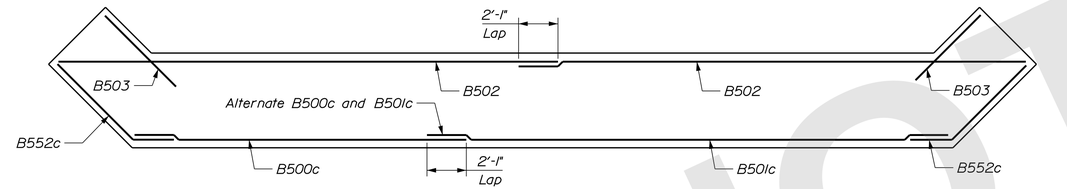
STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
CAPITAL PROJECTS
WIN 006462.92
BRIDGE NO. 6582 BRIDGE PLANS



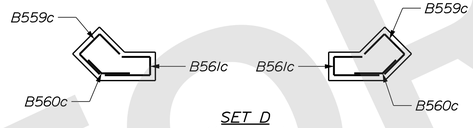
SET C
(All Chromx)



SET B



SET A



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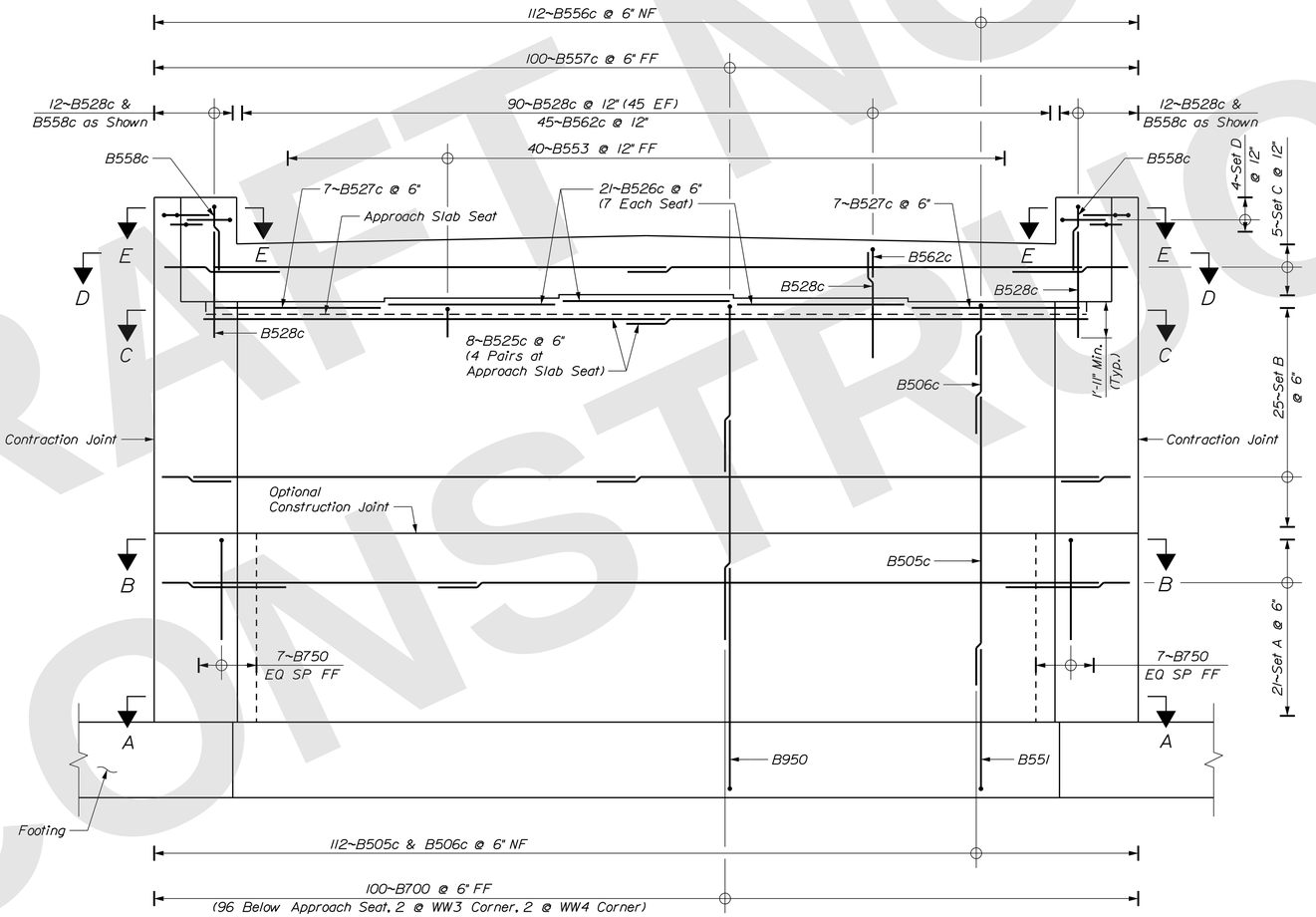
(All Chromx)



ABUTMENT NO. 2 REINFORCING ELEVATION
(Recess Panels and wingwalls Beyond Contraction Joints are not Shown for Clarity)

REINFORCING KEY

EF = Each Face
NF = Near Face
FF = Far Face

DRAFT NOT FOR CONSTRUCTION

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 006462.92

BRIDGE NO. 6582

BRIDGE PLANS

vhb

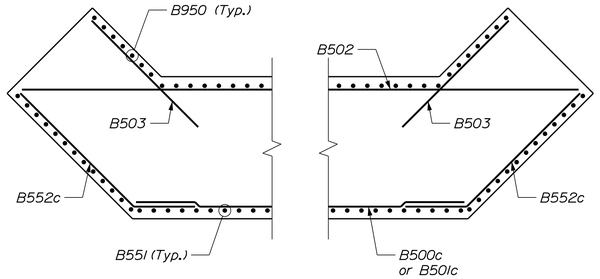
	R.M.	BY	DATE
PROJ. MANAGER			
DESIGN-DETAILED	JAH	JAH	08/2025
CHECKED-REVIEWED	YP	SMH	08/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

EASTON ROAD BRIDGE
OVER EASTON ROAD
PRESQUE ISLE AROOSTOOK COUNTY

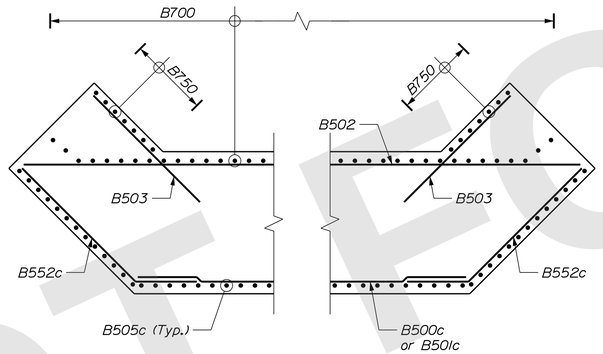
ABUTMENT NO. 2
STEM REINFORCING (1 OF 2)

SHEET NUMBER
B-87
621
OF 747

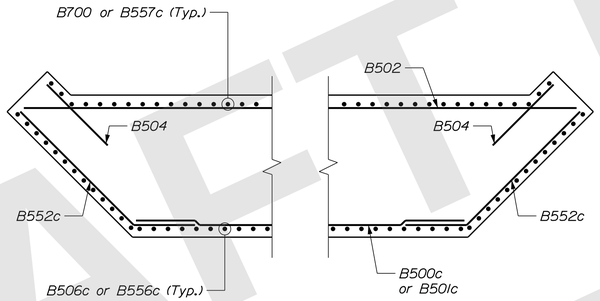
Filename: ...\B77_Abut2_StemRein_01.dgn Division: HIGHWAY Username: jomesdavis Date:9/2/2025



SECTION A-A

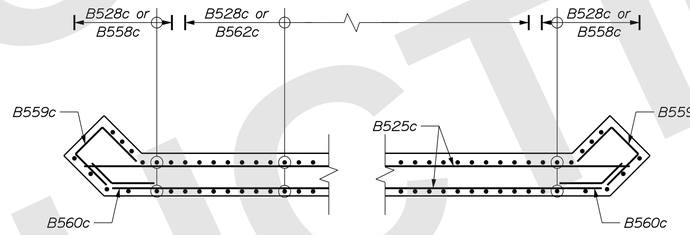


SECTION B-B



SECTION C-C

(Bridge Seat, Approach Slab Seat, and Backwall Bars not Shown for Clarity)



SECTION D-D

SECTION E-E

(Left Side Shown, Right Side Similar Opposite Hand)

DRAFT NOT FOR CONSTRUCTION

Filename: ...\B78_Abut2_StemRein_02.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 006462.92

BRIDGE NO. 6582

BRIDGE PLANS

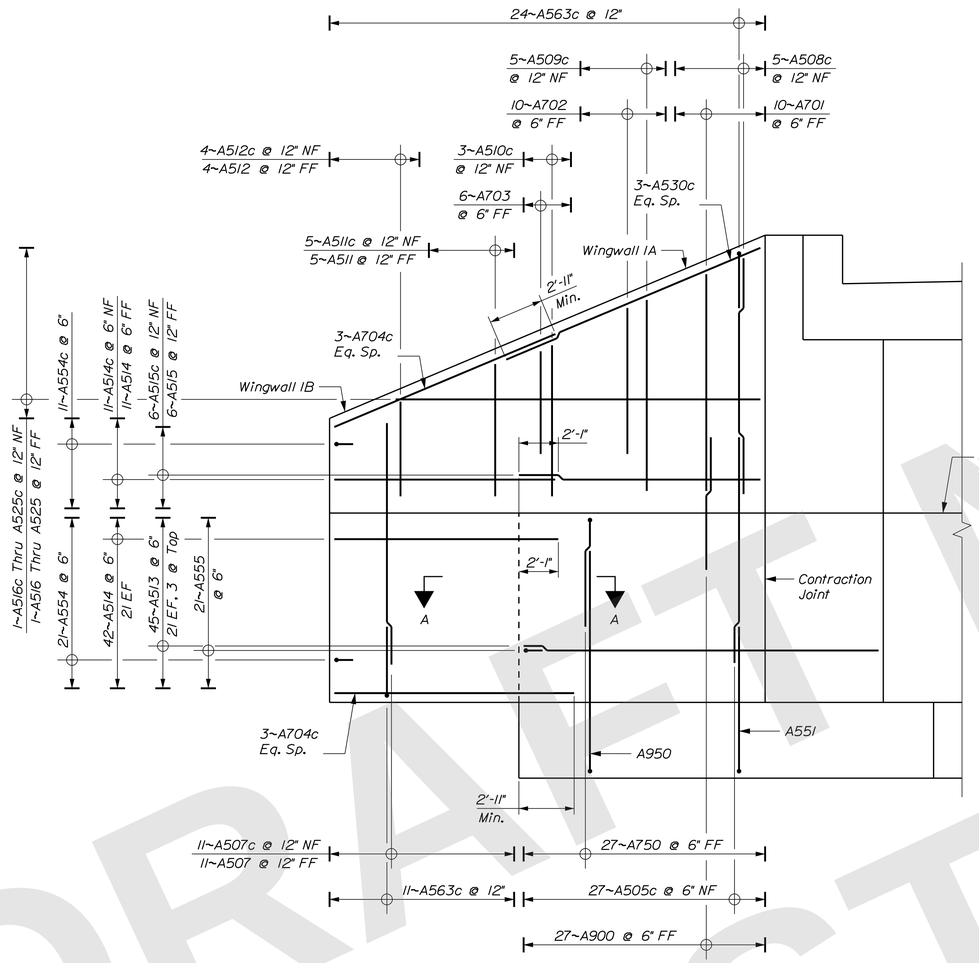
vhb

	R.M.	BY	DATE
PROJ. MANAGER			
DESIGN-DETAILED	JAH	JAH	08/2025
CHECKED-REVIEWED	YP	SMH	08/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

EASTON ROAD BRIDGE
OVER EASTON ROAD
PRESQUE ISLE AROOSTOOK COUNTY

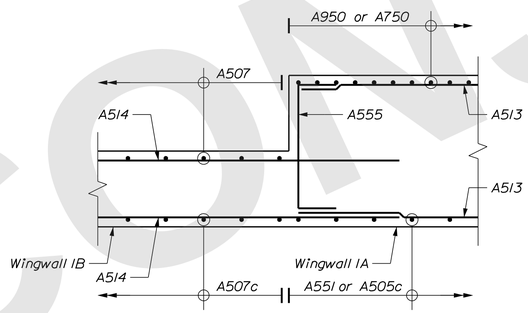
ABUTMENT NO. 2
STEM REINFORCING (2 OF 2)

SHEET NUMBER
B-88
622
OF 747

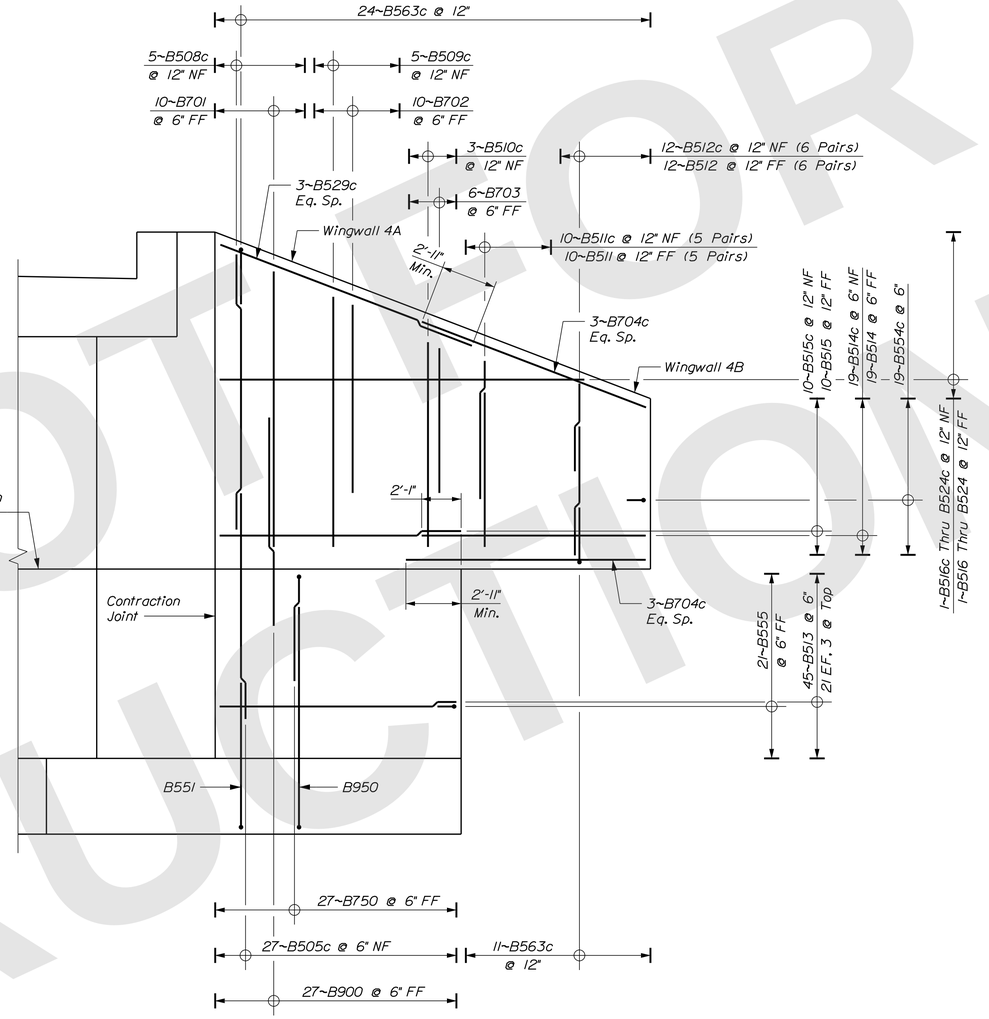


WINGWALL NO. 1 REINFORCING

(Wingwall No. 2 Similar Opposite Hand)



SECTION A-A



WINGWALL NO. 4 REINFORCING

(Wingwall No. 3 Similar Opposite Hand)

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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 006462.92

BRIDGE NO. 6582

BRIDGE PLANS

vhb

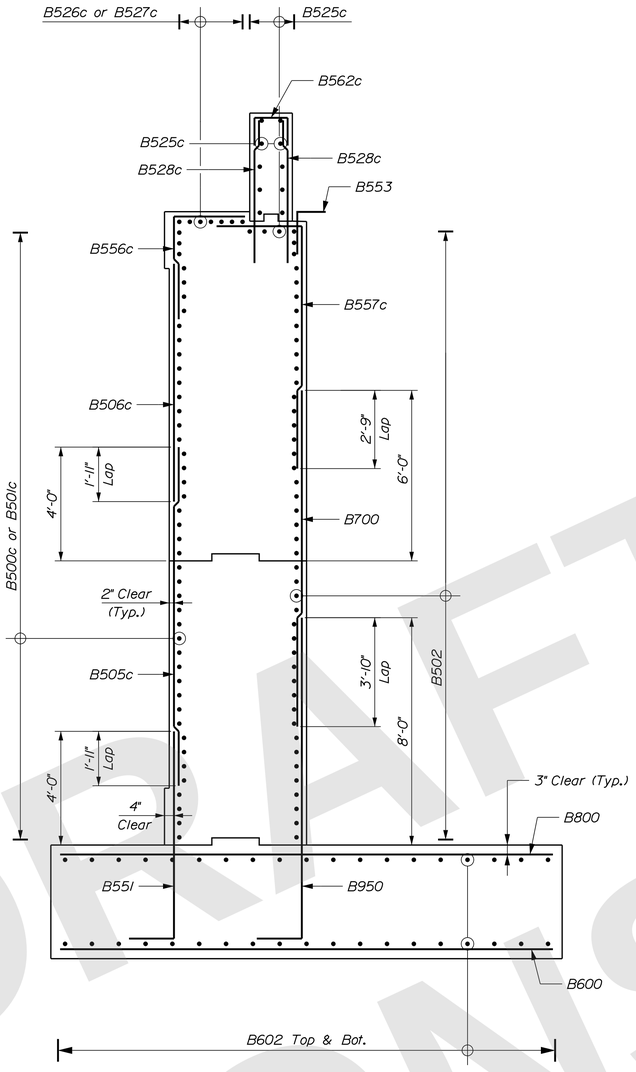
	R.M.	BY	DATE
PROJ. MANAGER			
DESIGN-DETAILED	JAH	JAH	08/2025
CHECKED-REVIEWED	YP	SMH	08/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

EASTON ROAD BRIDGE
OVER EASTON ROAD
PRESQUE ISLE AROOSTOOK COUNTY

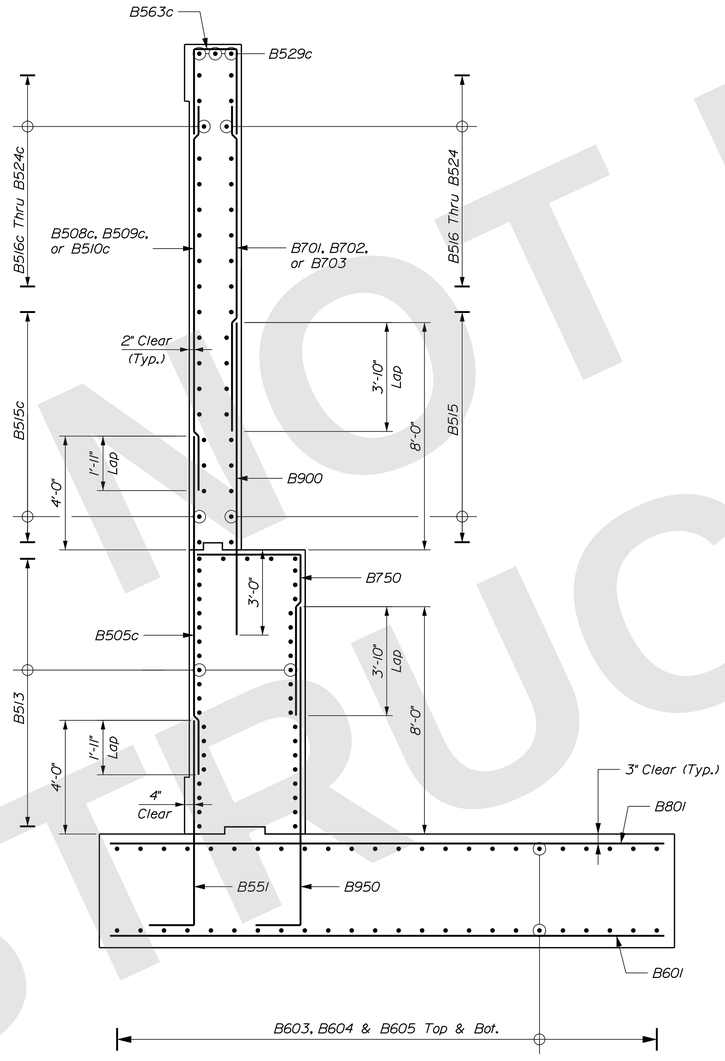
WINGWALL REINFORCING

SHEET NUMBER
B-89
623
OF 747

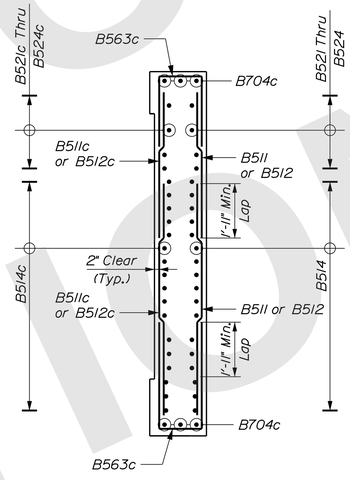
Filename: ...\B68_Abut1_Wingwall_Rein.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025



ABUTMENT NO. 2 SECTION



WINGWALL 4A SECTION
(Wingwall 3A Similar)



WINGWALL 4B SECTION
(Wingwall 3B Similar)

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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 006462.92

BRIDGE NO. 6582

BRIDGE PLANS

vhb

	R.M.	DATE
PROJ. MANAGER		
DESIGN-DETAILED	JAH	08/2025
CHECKED-REVIEWED	YP	08/2025
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		

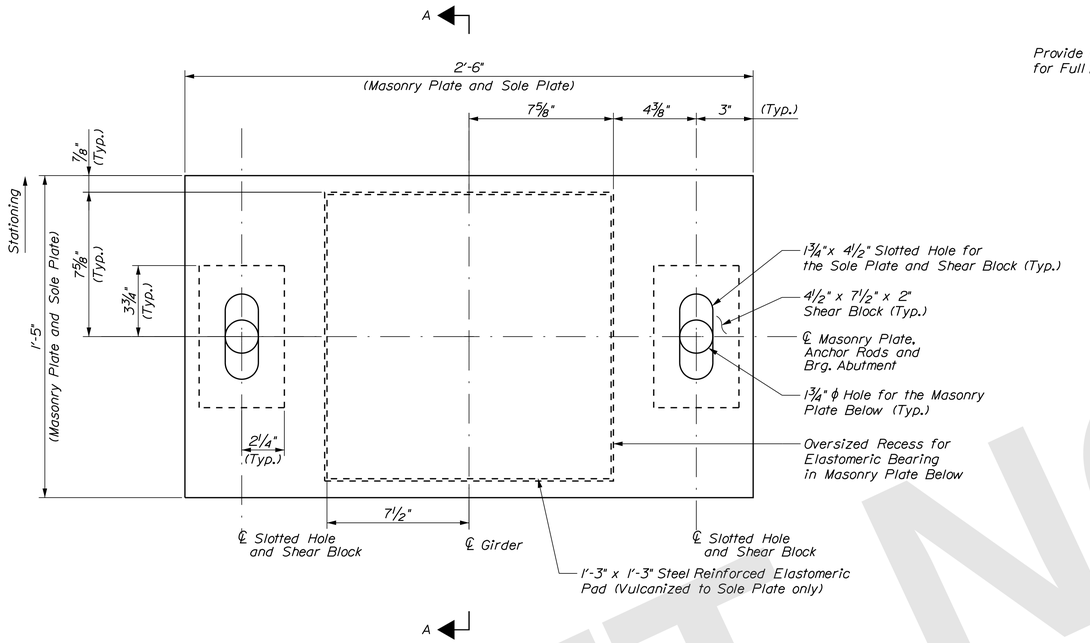
	BY
REVISIONS 1	
REVISIONS 2	
REVISIONS 3	
REVISIONS 4	
FIELD CHANGES	

EASTON ROAD BRIDGE
OVER EASTON ROAD
PRESQUE ISLE AROOSTOOK COUNTY

ABUTMENT NO. 2 REINFORCING SECTIONS

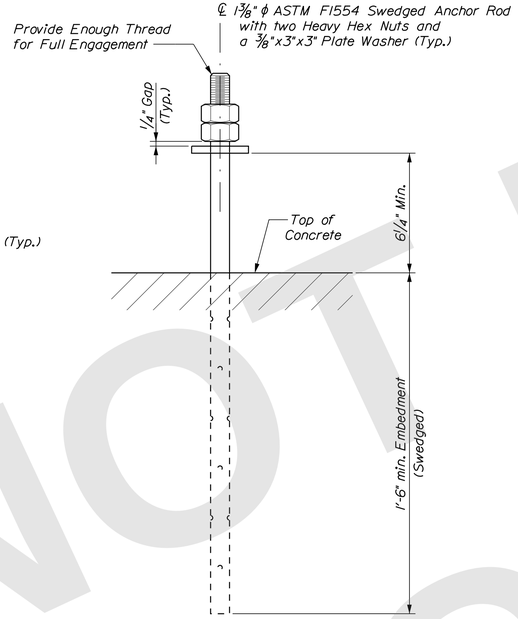
SHEET NUMBER
B-90
624
OF 747

Filename: ...\B76_Abut2_Detail_Rein.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025

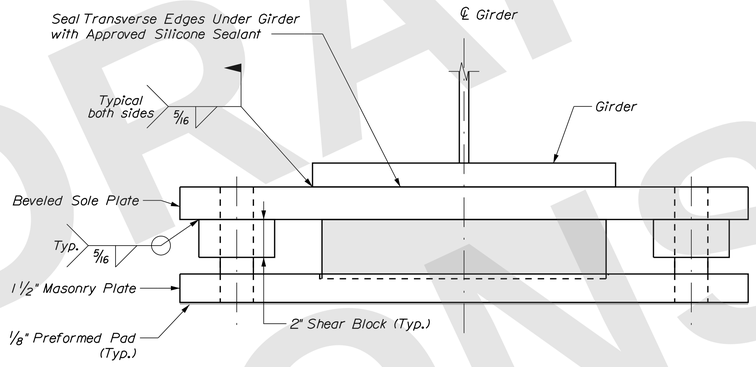


BEARING PLAN

(Anchor Rods Not Shown)

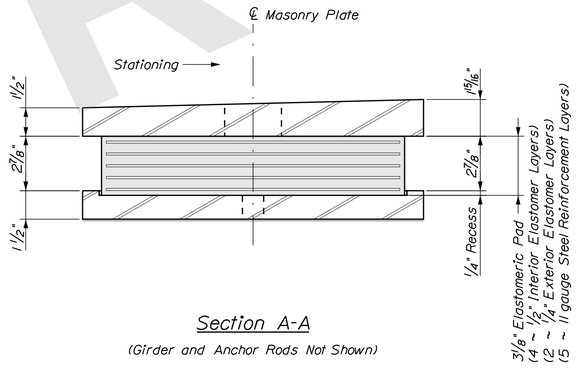


ANCHOR ROD DETAIL



BEARING ELEVATION

(Anchor Rods Not Shown)



Section A-A

(Girder and Anchor Rods Not Shown)

ELASTOMERIC BEARING NOTES

1. The shear modulus of the elastomer shall be 95 psi.

2. Vulcanization of the elastomer to the steel plates shall be done during the primary mold process. Sole plate shall be vulcanized to the elastomer.

3. Masonry plates, shear blocks and sole plates shall meet the requirements of ASTM A709, Grade 50. Anchor rods shall meet the requirements of ASTM F1554, Grade 105 and shall be swedged on the embedded portion of the rod.

4. Masonry plates shall be galvanized in accordance with Section 506. Sole plates and shear blocks for steel superstructure shall be treated in the same manner as the structural steel. Anchor rods, shall be galvanized to ASTM A153 or ASTM B695 Class 50, Type 1.

5. All bearings shall be marked prior to shipping. The marks shall include the bearing location on the bridge and a direction arrow that points upstation. All marks shall be permanent and shall be visible after the bearing is installed.

6. Bearings shall be covered during shipping and at any time prior to installation that the bearings may be exposed to sunlight.

7. The superstructure may be erected when the ambient air temperature is within the range of 65°F and 90°F. If the ambient air temperature is outside the range, the bearing shall be be reset as directed by the Resident.

8. All necessary precautions shall be taken to protect bearing components from field weld flash and spatter. Heat from welding operations shall be controlled such that steel adjacent to the elastomer does not exceed 200 °F. The temperature shall be verified by the use of temperature indicating crayons or other suitable means.

9. The "Bearing Design Load" for each bearing as noted in Standard Specifications, subsection 523.23.4, is 196 kips. This is the total load for the Service I load combination, without impact.

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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 006462.92

BRIDGE NO. 6582

BRIDGE PLANS

vhb

	BY	DATE
PROJ. MANAGER	R.M.	
DESIGN-DETAILED	JAH	08/2025
CHECKED-REVIEWED	ELW	08/2025
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

EASTON ROAD BRIDGE
OVER EASTON ROAD
PRESQUE ISLE AROOSTOOK COUNTY

BEARING DETAILS

SHEET NUMBER
B-91
625
OF 747

Username: jamesdavis Date:9/2/2025
Division: HIGHWAY
Filename: ...\B77_Bearing_Details.dgn

Filename: ...\Easton Rd\B78_Framing_01.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025

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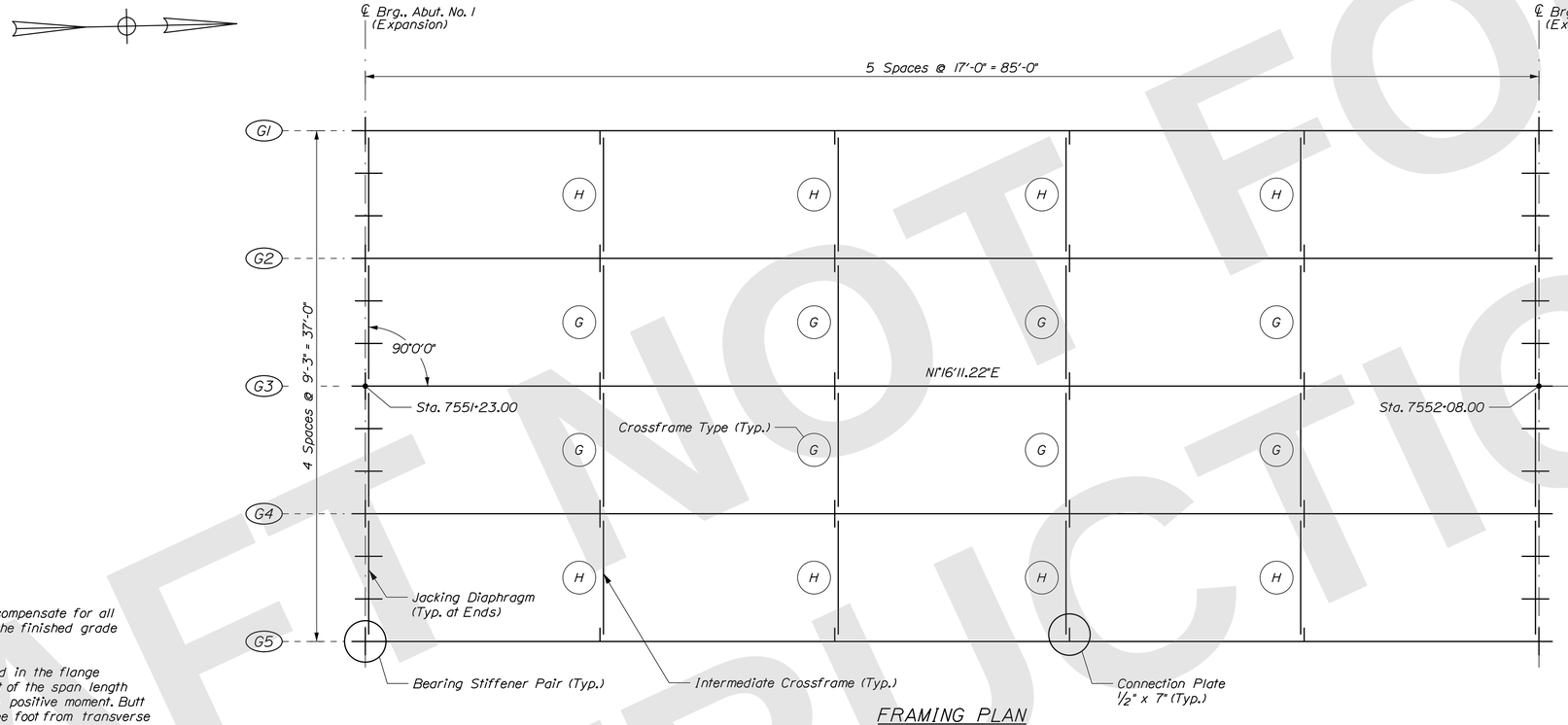
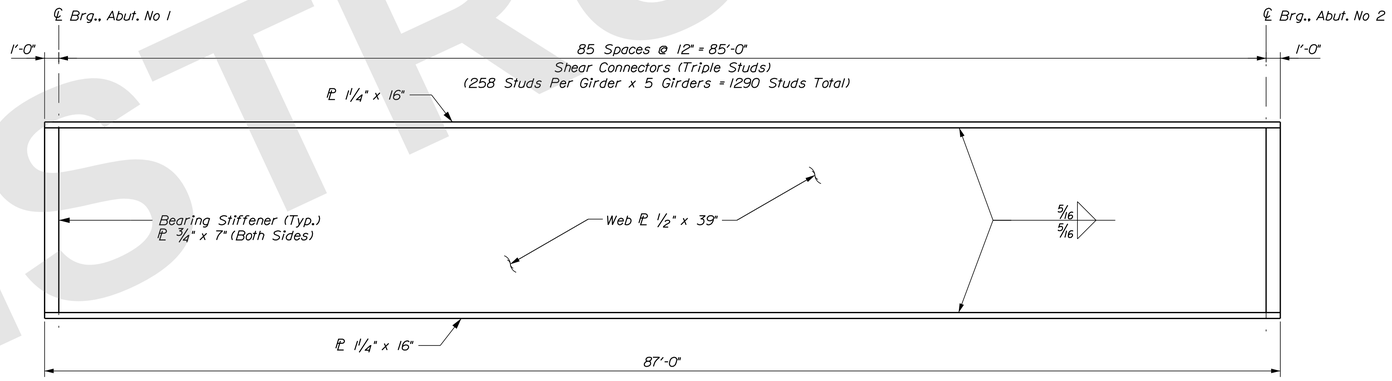


FRAMING PLAN



GIRDER ELEVATION

(Intermediate Diaphragm Connection Plates Not Shown)

STRUCTURAL STEEL NOTES

1. Camber ordinates, as shown, are computed to compensate for all dead load deflections and for the curvature of the finished grade profile.

2. No transverse butt weld splices will be allowed in the flange plates or web plates within 10 feet or 10 percent of the span length (whichever is greater) from the point of maximum positive moment. Butt weld splices in flanges shall be not less than one foot from transverse butt welds in the web plates and no transverse web or flange butt welds shall be located within one foot of other transverse welds (e.g. connection plates to web welds) on either flange or web. No transverse butt weld splices will be allowed in areas of stress reversal.

3. Sections of flange plates or web plates between transverse shop splices or between a transverse shop splice and a field splice shall be at least 20 feet in length unless otherwise shown on the plans.

4. Bearing stiffeners shall be plumb after erection and dead loading of the structure.

5. Crossframe connection plates may be either plumb or normal to the top flange.

6. All connection plate and stiffener welds shall be 5/16" fillet welds except 1/4" fillet welds may be used along the web of connection plates.

7. Structural steel was designed with a vertical construction live load of 50 psf and a lateral wind velocity during construction of 115 mph.

8. All bolts, nuts, and washers shall be Hot-Dipped Galvanized in accordance with ASTM A153.

9. Ends of girder webs shall be vertical under full dead load.

10. All structural steel including the girders, stiffeners, connection plates, crossframes shall be coated with Thermal Spray Coating in accordance with Standard Specifications Section 506, Shop Applied Protective Coating.

11. At the Contractor's option, the crossframes may be Hot-Dipped Galvanized in accordance with Standard Specifications Section 506, Shop Applied Protective Coating, as approved by the Resident. Payment will be considered incidental to Item 506.9104, Thermal Spray Coating (Shop Applied), no separate payment will be made.

12. All web plates and bottom flange plates are subject to tension or stress reversal.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 006462.92

BRIDGE NO. 6582

BRIDGE PLANS

vhb

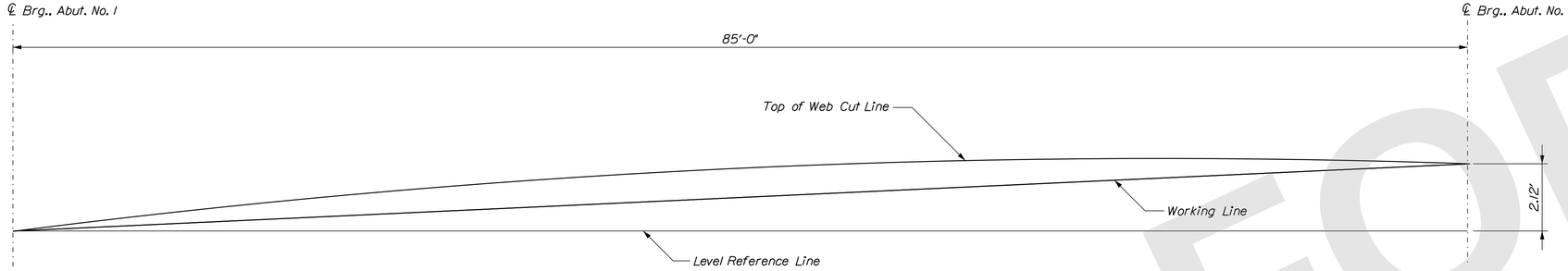
PROJ. MANAGER	R.M.
DESIGN-DETAILED	JAH
CHECKED-REVIEWED	ELW
DESIGN2-DETAILED2	
DESIGN3-DETAILED3	

	BY	DATE
REVISIONS 1	JAH	08/2025
REVISIONS 2	SMH	08/2025
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

EASTON ROAD BRIDGE
OVER EASTON ROAD
PRESQUE ISLE AROOSTOOK COUNTY

FRAMING PLAN & GIRDER ELEVATION

SHEET NUMBER
B-92
626
OF 747



CAMBER DIAGRAM
All Girders

TABLE OF DEFLECTIONS (Inches)

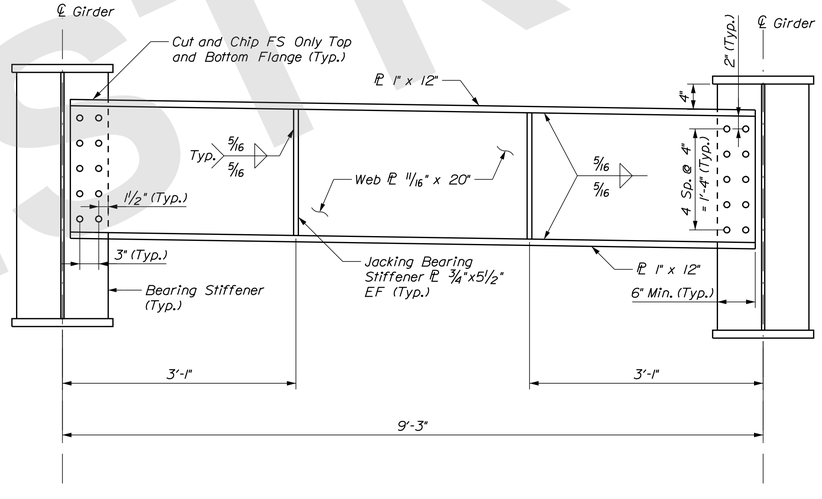
Girder	Description	℄ Brg., Abut. No. 1	8.5′	17′	25.5′	34′	42.5′	51′	59.5′	68′	76.5′	℄ Brg., Abut. No. 2
All Girders	Steel Self Weight	0.00	0.14	0.27	0.37	0.44	0.46	0.44	0.37	0.27	0.14	0.00
	Fluid Dead Load	0.00	0.65	1.23	1.68	1.97	2.07	1.97	1.68	1.23	0.65	0.00
	Superimposed Dead Load	0.00	0.17	0.32	0.44	0.52	0.54	0.52	0.44	0.32	0.17	0.00
	Total Load	0.00	0.96	1.82	2.50	2.93	3.07	2.93	2.50	1.82	0.96	0.00

BOTTOM OF SLAB ELEVATIONS (Feet)

Girder	℄ Brg., Abut. No. 1	8.5′	17′	25.5′	34′	42.5′	51′	59.5′	68′	76.5′	℄ Brg., Abut. No. 2
G1	716.01	716.28	716.55	716.80	717.04	717.26	717.47	717.65	717.82	717.98	718.13
G2	716.19	716.47	716.75	717.01	717.25	717.47	717.67	717.86	718.02	718.17	718.32
G3	716.38	716.66	716.93	717.19	717.43	717.66	717.86	718.04	718.21	718.36	718.50
G4	716.19	716.47	716.75	717.01	717.25	717.47	717.67	717.86	718.02	718.17	718.32
G5	716.01	716.28	716.55	716.80	717.04	717.26	717.47	717.65	717.82	717.98	718.13

TABLE OF CAMBER ORDINATES "CO" (Inches)

Girder	℄ Brg., Abut. No. 1	8.5′	17′	25.5′	34′	42.5′	51′	59.5′	68′	76.5′	℄ Brg., Abut. No. 2
All Girders	0.00	0.96	1.82	2.50	2.93	3.07	2.93	2.50	1.82	0.96	0.00



JACKING DIAPHRAGM DETAIL
(One Interior Bay Shown Only)

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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN **006462.92**

BRIDGE NO. 6582 — BRIDGE PLANS

vhb

	BY	DATE
PROJ. MANAGER	R.M.	
DESIGN-DETAILED	JAH	08/2025
CHECKED-REVIEWED	ELW	08/2025
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

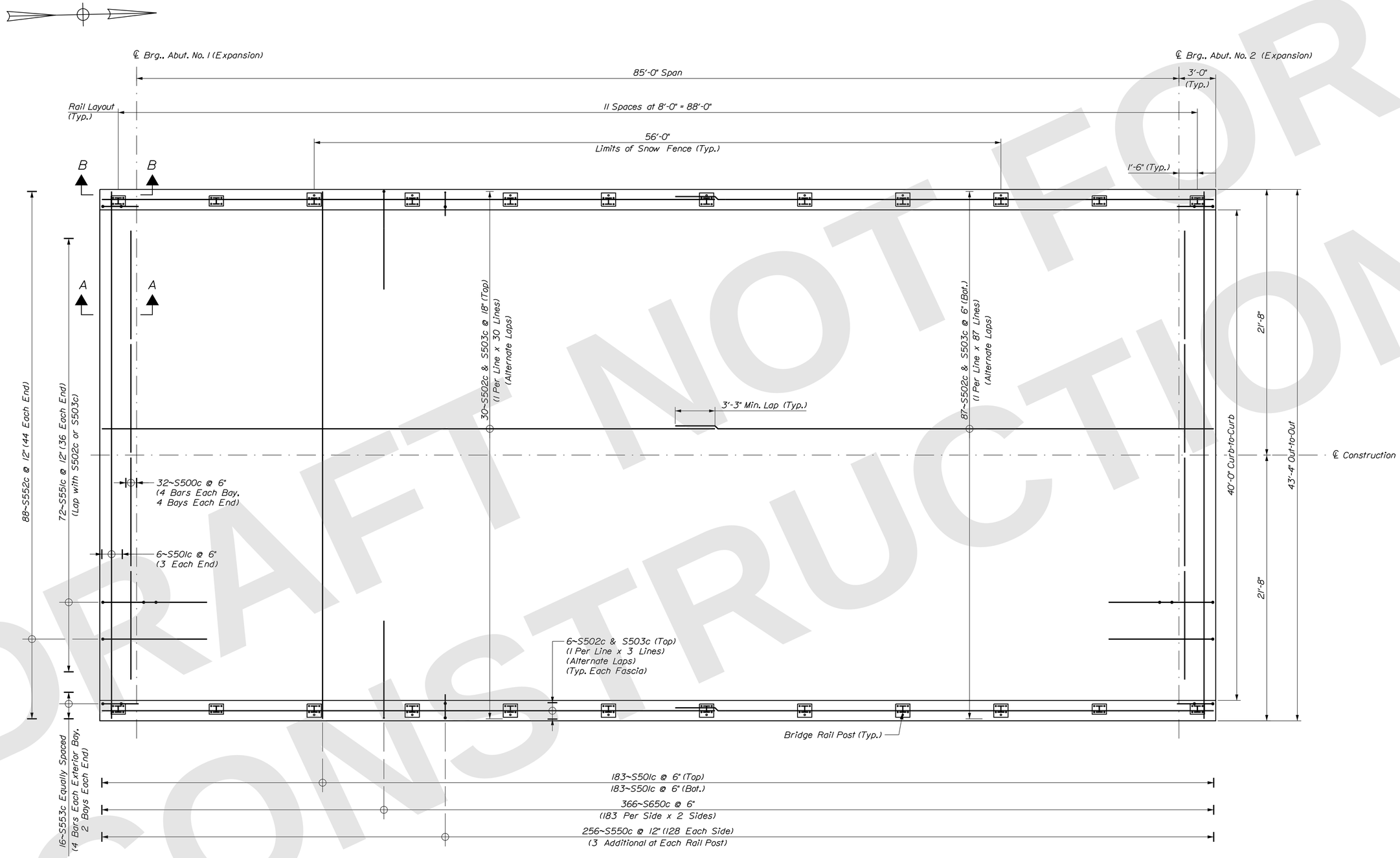
EASTON ROAD BRIDGE
OVER EASTON ROAD
PRESQUE ISLE — AROOSTOOK COUNTY

STEEL DETAILS

SHEET NUMBER
B-93
627
OF 747

Filename: ...\B79_Girder Details.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025

Filename: ...\Easton Rd\B80_SuperPlan_01.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025



SUPERSTRUCTURE REINFORCING PLAN

(Bridge Rail and Snow Fence Not Shown for Clarity)

NOTE

1. See Superstructure Section and Deck End Details Sheet for Sections A-A and B-B.

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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 006462.92

BRIDGE NO. 6582

BRIDGE PLANS

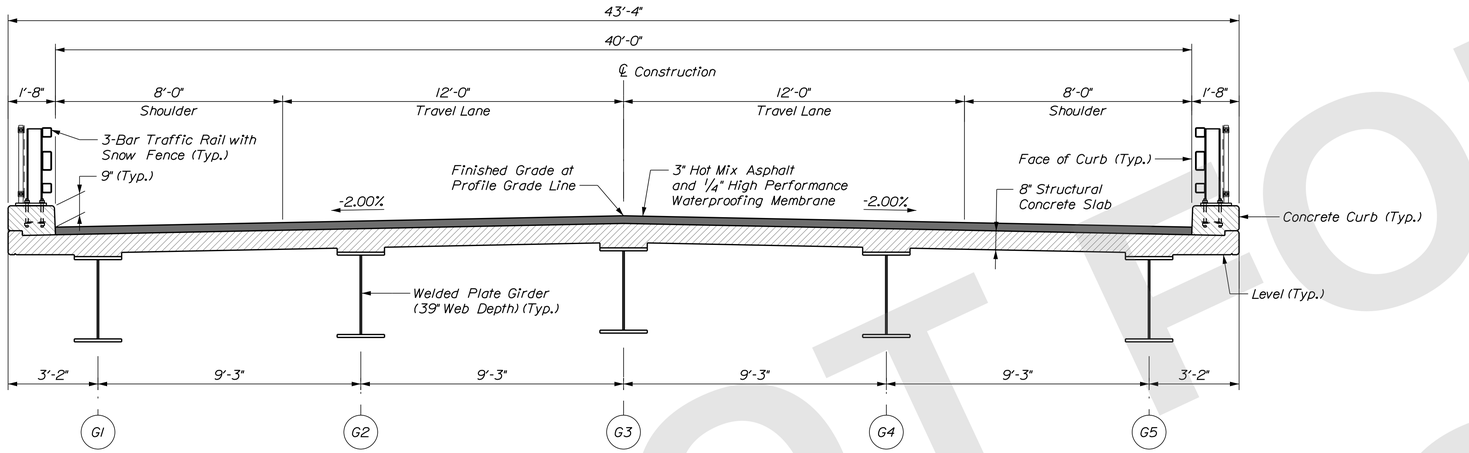
vhb

	BY	DATE
R.M.		
PROJ. MANAGER	JAH	08/2025
DESIGN-DETAILED	SMH	08/2025
CHECKED-REVIEWED	ELW	
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

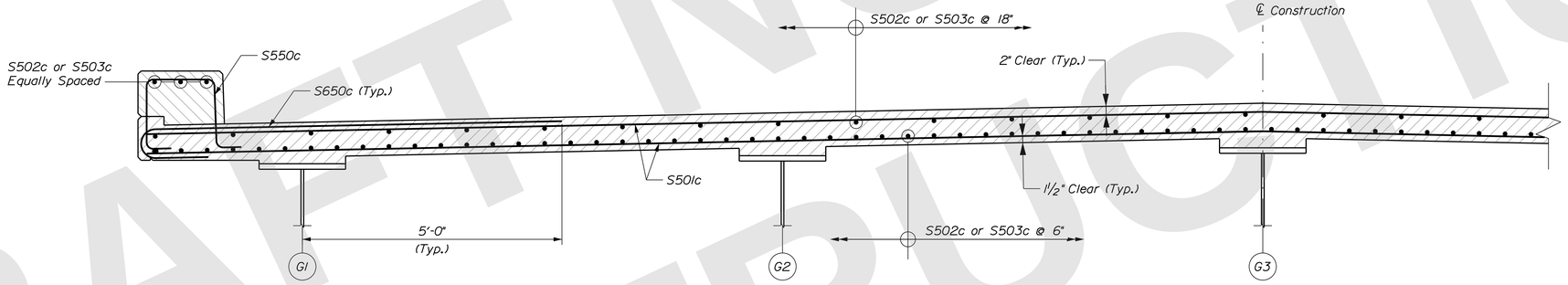
EASTON ROAD BRIDGE
OVER EASTON ROAD
PRESQUE ISLE AROOSTOOK COUNTY

SUPERSTRUCTURE REINFORCING PLAN

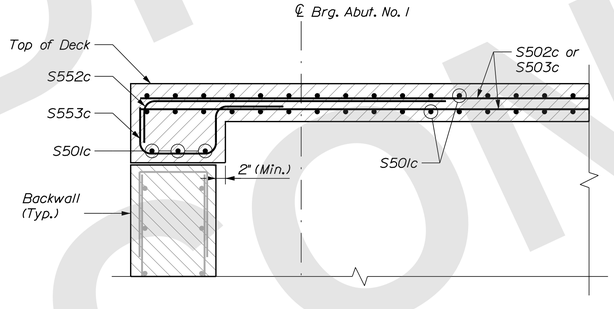
SHEET NUMBER
B-94
628
OF 747



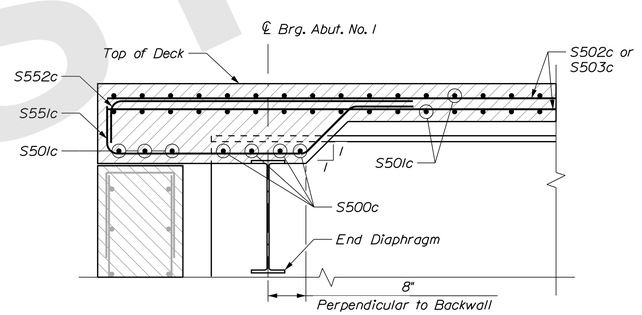
SUPERSTRUCTURE SECTION



PARTIAL DECK REINFORCING SECTION



SECTION B-B
(Abutment No. 1 shown, Abutment No. 2 similar)
(Curb Not Shown for Clarity)



SECTION A-A
(Abutment No. 1 shown, Abutment No. 2 similar)

SUPERSTRUCTURE NOTES

1. The theoretical blocking used for design of the structure is 3 inches at the centerline of bearing of the abutments. Refer to Standard Detail 502(03) for blocking details.

2. Reinforcing steel shall have a minimum concrete cover of 2 inches unless otherwise noted.

3. Form a one inch V-groove on the fascias at the horizontal joint between the curb and slab.

4. The superstructure slab concrete shall be placed continuously and shall be kept plastic until the entire placement has been made.

5. Precast Concrete Deck Panels are not allowed on this project.

6. The Contractor shall stagger splice locations of longitudinal deck reinforcing.

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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 006462.92

BRIDGE NO. 6582

BRIDGE PLANS

vhb

	R.M.	BY	DATE
PROJ. MANAGER			
DESIGN-DETAILED	JAH	JAH	08/2025
CHECKED-REVIEWED	ELW	SMH	08/2025
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

EASTON ROAD BRIDGE
OVER EASTON ROAD
PRESQUE ISLE AROOSTOOK COUNTY

SUPERSTRUCTURE SECTION AND DECK END DETAILS

SHEET NUMBER
B-95
629
OF 747

Filename: ...\Easton Rd\B81_SuperSec_01.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025

STRAIGHT BARS

MARK	QTY.	LENGTH	LOCATION
		ABUTMENT 1	
A500c	39	17'-7"	Stem Horizontal
A501c	39	27'-7"	Stem Horizontal
A502	78	25'-5"	Stem Horizontal
A503	42	4'-3"	Stem Horizontal
A504	36	2'-9"	Stem Horizontal
A505c	166	11'-11"	Stem & Wingwall Vertical
A506c	112	5'-3"	Stem Vertical
A507	22	12'-11"	Wingwall Vertical
A507c	22	12'-11"	Wingwall Vertical
A508c	10	11'-9"	Wingwall Vertical
A509c	10	9'-8"	Wingwall Vertical
A510c	6	8'-5"	Wingwall Vertical
A511	10	6'-4"	Wingwall Vertical
A511c	10	6'-4"	Wingwall Vertical
A512	8	4'-3"	Wingwall Vertical
A512c	8	4'-3"	Wingwall Vertical
A513	90	12'-7"	Wingwall Horizontal
A514	106	11'-11"	Wingwall Horizontal
A514c	22	11'-11"	Wingwall Horizontal
A515	12	12'-8"	Wingwall Horizontal
A515c	12	12'-8"	Wingwall Horizontal
A516	2	1'-11"	Wingwall Horizontal
A516c	2	1'-11"	Wingwall Horizontal
A517	2	4'-4"	Wingwall Horizontal
A517c	2	4'-4"	Wingwall Horizontal
A518	2	6'-8"	Wingwall Horizontal
A518c	2	6'-8"	Wingwall Horizontal
A519	2	9'-1"	Wingwall Horizontal
A519c	2	9'-1"	Wingwall Horizontal
A520	2	11'-5"	Wingwall Horizontal
A520c	2	11'-5"	Wingwall Horizontal
A521	2	13'-10"	Wingwall Horizontal
A521c	2	13'-10"	Wingwall Horizontal
A522	2	16'-2"	Wingwall Horizontal
A522c	2	16'-2"	Wingwall Horizontal
A523	2	18'-7"	Wingwall Horizontal
A523c	2	18'-7"	Wingwall Horizontal
A524	2	20'-11"	Wingwall Horizontal
A524c	2	20'-11"	Wingwall Horizontal
A525	2	22'-2"	Wingwall Horizontal
A525c	2	22'-2"	Wingwall Horizontal
A526c	28	25'-7"	Stem and Backwall Horizontal
A527c	21	8'-11"	Bridge Seat Horizontal
A528c	14	10'-6"	Bridge Seat Horizontal
A529c	114	6'-1"	Stem and Backwall Vertical
A530c	6	13'-9"	Wingwall Horizontal
A600	24	17'-6"	Footing Transverse Bot.
A601	36	19'-9"	Wingwall Footing Transverse Bot.
A602	80	23'-1"	Footing Long. Top & Bot.
A603	32	16'-6"	Wingwall Footing Long. Top & Bot.
A604	48	19'-0"	Wingwall Footing Long. Top & Bot.
A605	20	21'-8"	Wingwall Footing Long. Top & Bot.
A606	36	17'-0"	Footing Transverse Top & Bot.
A607	32	12'-0"	Footing Transverse Top & Bot.
A700	100	11'-10"	Stem Vertical
A701	20	9'-9"	Wingwall Vertical
A702	20	7'-8"	Wingwall Vertical
A703	12	6'-5"	Wingwall Vertical
A704c	12	13'-8"	Wingwall Horizontal
A800	47	17'-6"	Footing Transverse Top
A801	68	19'-9"	Wingwall Footing Transverse Top
A900	54	11'-0"	Wingwall Stem Vertical

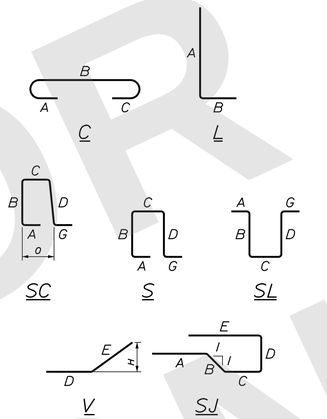
MARK	QTY.	LENGTH	LOCATION
		ABUTMENT 2	
B500c	46	17'-7"	Stem Horizontal
B501c	46	27'-7"	Stem Horizontal
B502	92	25'-5"	Stem Horizontal
B503	42	4'-3"	Stem Horizontal
B504	50	2'-9"	Stem Horizontal
B505c	166	11'-11"	Stem & Wingwall Vertical
B506c	112	8'-9"	Stem Vertical
B508c	10	15'-1"	Wingwall Vertical
B509c	10	13'-2"	Wingwall Vertical
B510c	6	12'-0"	Wingwall Vertical
B511	20	7'-0"	Wingwall Vertical
B511c	20	7'-0"	Wingwall Vertical
B512	24	6'-0"	Wingwall Vertical
B512c	24	6'-0"	Wingwall Vertical
B513	90	12'-7"	Wingwall Horizontal
B514	38	11'-11"	Wingwall Horizontal
B514c	38	11'-11"	Wingwall Horizontal
B515	20	12'-8"	Wingwall Horizontal
B515c	20	12'-8"	Wingwall Horizontal
B516	2	2'-2"	Wingwall Horizontal
B516c	2	2'-2"	Wingwall Horizontal
B517	2	4'-10"	Wingwall Horizontal
B517c	2	4'-10"	Wingwall Horizontal
B518	2	7'-6"	Wingwall Horizontal
B518c	2	7'-6"	Wingwall Horizontal
B519	2	10'-1"	Wingwall Horizontal
B519c	2	10'-1"	Wingwall Horizontal
B520	2	12'-8"	Wingwall Horizontal
B520c	2	12'-8"	Wingwall Horizontal
B521	2	15'-4"	Wingwall Horizontal
B521c	2	15'-4"	Wingwall Horizontal
B522	2	17'-11"	Wingwall Horizontal
B522c	2	17'-11"	Wingwall Horizontal
B523	2	20'-7"	Wingwall Horizontal
B523c	2	20'-7"	Wingwall Horizontal
B524	2	22'-2"	Wingwall Horizontal
B524c	2	22'-2"	Wingwall Horizontal
B525c	28	25'-7"	Stem and Backwall Horizontal
B526c	21	8'-11"	Bridge Seat Horizontal
B527c	14	10'-6"	Bridge Seat Horizontal
B528c	114	6'-1"	Stem and Backwall Vertical
B529c	6	13'-7"	Wingwall Horizontal
B600	24	17'-6"	Footing Transverse Bot.
B601	36	19'-9"	Wingwall Footing Transverse Bot.
B602	76	23'-1"	Footing Long. Top & Bot.
B603	32	16'-6"	Wingwall Footing Long. Top & Bot.
B604	48	19'-0"	Wingwall Footing Long. Top & Bot.
B605	16	21'-8"	Wingwall Footing Long. Top & Bot.
B606	36	17'-0"	Footing Transverse Top & Bot.
B607	32	12'-0"	Footing Transverse Top & Bot.
B700	100	11'-10"	Stem Vertical
B701	20	13'-1"	Wingwall Vertical
B702	20	11'-2"	Wingwall Vertical
B703	12	10'-0"	Wingwall Vertical
B704c	12	13'-6"	Wingwall Horizontal
B800	47	17'-6"	Footing Transverse Top
B801	68	19'-9"	Wingwall Footing Transverse Top
B900	54	11'-0"	Wingwall Stem Vertical
		SUPERSTRUCTURE	
S500c	32	8'-11"	Transverse Bar
S501c	372	43'-0"	Transverse Bar, Various
S502c	123	50'-0"	Longitudinal Bar, Various
S503c	117	43'-11"	Longitudinal Bar, Various
		APPROACH SLAB	
AS501	32	38'-6"	Approach Slab
AS601	156	15'-2"	Approach Slab

BENT BARS

MARK	QTY.	LENGTH	TYPE	A	B	C	D	E	F	G	H	O	R	LOCATION
							ABUTMENT 1							
A550	94	5'-6"	S	0'-0"	1'-0"	3'-6"	1'-0"			0'-0"				Footing U-Bar
A551	166	8'-6"	L	7'-8"	0'-10"									Footing Vertical L-Bar
A552c	78	6'-10"	V				5'-10"	1'-0"			0'-9"			Stem Horizontal
A553	40	5'-0"	L	2'-6"	2'-6"									Approach Slab L-Bar
A554	42	3'-6"	S	0'-0"	1'-0"	1'-6"	1'-0"			0'-0"				Wingwall Side U-Bar
A554c	22	3'-6"	S	0'-0"	1'-0"	1'-6"	1'-0"			0'-0"				Wingwall Side U-Bar
A555	42	5'-9"	S	0'-0"	1'-0"	3'-9"	1'-0"			0'-0"				Wingwall Transition Side U-Bar
A556c	112	6'-3"	L	3'-9"	2'-6"									Stem Vertical
A557c	100	7'-6"	L	4'-8"	2'-10"									Stem Vertical
A558c	24	5'-2"	L	4'-2"	1'-0"									Stem Vertical
A559c	18	4'-8"	S	0'-0"	1'-7"	1'-6"	1'-7"			0'-0"				Stem Horizontal
A560c	18	2'-8"	V				2'-0"	0'-8"			0'-6"			Stem Horizontal
A561c	8	4'-9"	S	0'-0"	1'-6"	1'-0"	2'-3"			0'-0"				Stem Horizontal
A562c	45	3'-2"	S	0'-0"	1'-0"	1'-2"	1'-0"			0'-0"				Backwall Vertical
A563c	70	7'-6"	S	0'-0"	3'-0"	1'-6"	3'-0"			0'-0"				Wingwall Top U-Bar
A750	68	9'-5"	L	5'-8"	3'-9"									Wingwall Vertical L-Bar
A950	152	13'-3"	L	11'-8"	1'-7"									Footing Vertical L-Bar
							ABUTMENT 2							
B551	166	8'-6"	L	7'-8"	0'-10"									Footing Vertical L-Bar
B552c	92	6'-10"	V				5'-10"	1'-0"			0'-9"			Stem Horizontal
B553	40	5'-0"	L	2'-6"	2'-6"									Approach Slab L-Bar
B554c	38	3'-6"	S	0'-0"	1'-0"	1'-6"	1'-0"			0'-0"				Wingwall Side U-Bar
B555	42	5'-9"	S	0'-0"	1'-0"	3'-9"	1'-0"			0'-0"				Wingwall Transition Side U-Bar
B556c	112	6'-3"	L	3'-9"	2'-6"									Stem Vertical
B557c	100	10'-8"	L	7'-10"	2'-10"									Stem Vertical
B558c	24	5'-0"	L	4'-0"	1'-0"									Stem Vertical
B559c	18	4'-8"	S	0'-0"	1'-7"	1'-6"	1'-7"			0'-0"				Stem Horizontal
B560c	18	2'-8"	V				2'-0"	0'-8"			0'-6"			Stem Horizontal
B561c	8	4'-9"	S	0'-0"	1'-6"	1'-0"	2'-3"			0'-0"				Stem Horizontal
B562c	45	3'-2"	S	0'-0"	1'-0"	1'-2"	1'-0"			0'-0"				Backwall Vertical
B563c	70	7'-6"	S	0'-0"	3'-0"	1'-6"	3'-0"			0'-0"				Wingwall Top U-Bar
B750	68	9'-5"	L	5'-8"	3'-9"									Wingwall Vertical L-Bar
B950	152	13'-3"	L	11'-8"	1'-7"									Footing Vertical L-Bar
							SUPERSTRUCTURE							
S550c	256	5'-3"	SC	0'-10"	1'-2"	1'-3"	1'-2"			0'-10"		1'-4"		Curb Stirrup
S551c	72	6'-4"	SJ	1'-0"	1'-2"	3'-4"	0'-10"	0'-0"						Interior Deck End, Bot.
S552c	88	6'-4"	L	0'-10"	5'-6"									Ext. & Int. Deck end, Top
S553c	16	3'-11"	SL	0'-0"	0'-10"	1'-4"	0'-9"			1'-0"				Ext. Deck End, Bot.
S650c	366	8'-8"	C	0'-8"	8'-0"	0'-0"								Overhang Bar

MARK	QTY.	LENGTH	LOCATION	MARK	QTY.	LENGTH	LOCATION	MARK	QTY.	LENGTH	TYPE	A	B	C	D	E	F	G	H	O	R	LOCATION

TYPE - BENDING DIAGRAMS



All dimensions are out-to-out of bar.

Bending details and hooks shall conform to the recommendations of the current revision of ACI Standard 315 and ACI Standard 318.

Reinforcing Bar: ASTM A615, Grade 60
ASTM A1035, Type CS, Grade 100

GENERAL NOTES

1. The first two digits following the letter(s) of the mark indicate the size of the bar:

   Mark "A502" = bar size #5
   Mark "B805" = bar size #8
   Mark "S650" = bar size #6

2. Bar Marks ending in a letter indicate the following:

   c = Low Carbon Chromium

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

CAPITAL PROJECTS

WIN 006462.92

BRIDGE PLANS

BRIDGE NO. 6582

vhb

PROJ. MANAGER	R.M.	DATE
DESIGN-DETAILED	JAH	08/2025
CHECKED-REVIEWED	YP	08/2025
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

EASTON ROAD BRIDGE
OVER EASTON ROAD
PRESQUE ISLE AROOSTOOK COUNTY

REINFORCING SCHEDULE

SHEET NUMBER
B-96
630
OF 747

Filename: ...\Easton Rd\XXX_Reinf_Sched.dgn Division: HIGHWAY Username: jamesdavis Date:9/2/2025

PRELIMINARY NOT FOR CONSTRUCTION