STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PLAN LEGEND

Town, County, State		Catch Basins	Existing ■ Proposed
Property Lines		Manholes	Existing ● Proposed
R/W Lines-Existing		Proposed Underdrain	
R/W Lines-Proposed		Proposed Ditch	
Culvert-Existing		Existing Ditch	
Culvert Proposed		Utility Poles	Existing ♦ Proposed
Curbing	Existing / Proposed	Fire Hydrants	Existing ◈ Proposed
Type 1		Existing Water Line	
Type 3		Existing San. Sewer	
Type 5		Existing San. Sewer Manhole	
Outline of Bodies of Water		Guardrail-Existing	
Exposed Bedrock		Guardrail-Proposed	
Buildings		Guardrail-Cable, Other	
Trees	Conifer, Deciduous	Centerline-Existing	
Tree Line		Centerline-Proposed	10+00
Clearing Limit Line		Travelway-Existing	
Railroad		Travelway-Proposed	

Boring HB-XXX-###

Pavement Core PC-#

Test Pit TP-XXX-###

Probe P-#.#X

#.# = Depth
X = W (Weathered Rock)
R (Refusal)
NR (No Refusal)

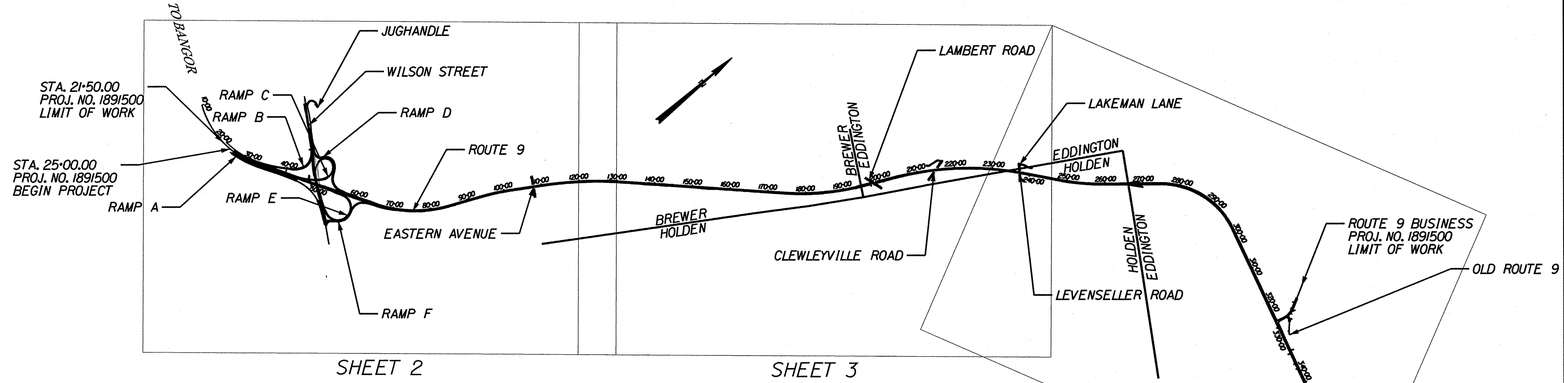
BREWER - HOLDEN - EDDINGTON

PENOBSCOT COUNTY

I-395/ROUTE 9 CONNECTOR

FEDERAL PROJECT NO. 1891500

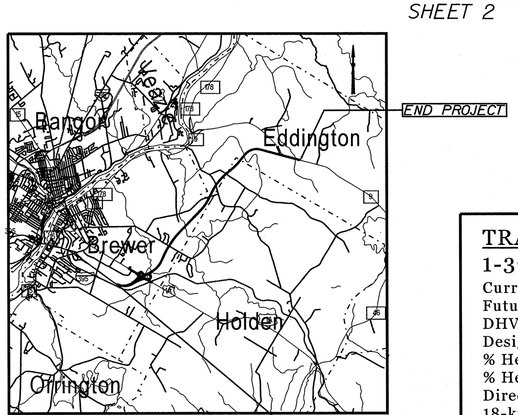
PROJECT LENGTH : 6.05 MILES



LAYOUT SCALE

2000 0 2000 4000

Scale in Feet



LOCATION MAP

TRAFFIC DATA
1-395/Route 9 Connector

Current (2024) AADT	4860
Future (2044) AADT	10120
DHV - % of AADT	10%
Design Hour Volume	1016
% Heavy Trucks (AADT)	14%
% Heavy Trucks (DHV)	14%
Directional Distribution (DHV)	50%
18-kip Equivalent P 2.0	749
18-kip Equivalent P 2.5	714
Design Speed (mph)	55
Corridor Priority	1

TRAFFIC DATA
Route 9Business

Current (2024) AADT	1035
Future (2044) AADT	1242
DHV - % of AADT	10%
Design Hour Volume	124
% Heavy Trucks (AADT)	20%
% Heavy Trucks (DHV)	20%
Directional Distribution (DHV)	55%
18-kip Equivalent P 2.0	204
18-kip Equivalent P 2.5	194
Design Speed (mph)	40
Corridor Priority	2

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PROJECT LOCATION:	BEGINNING 0.47 OF A MILE WEST OF THE INTESECTION OF INTERSTATE 395 AND ROUTE 1A EXTENDING 6.05 MILES ROUGHLY PARALLEL TO THE BREWER-HOLDEN TOWN LINE TO ROUTE 9 APPROXIMATELY 0.90 OF A MILE WEST OF CHEMO POND ROAD.
PROGRAM AREA:	HIGHWAY PROGRAM
SCOPE OF WORK:	NEW CONSTRUCTION

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

APPROVED — DATE 10-5-21

COMMISSIONER: [signature]

CHIEF ENGINEER: Jay Hall Taylor — DATE 10-4-2021

STATE OF MAINE — ARLEE MOUSSEAU — No. 10415 — LICENSED PROFESSIONAL ENGINEER

[signature] — SIGNATURE — 10415 — P.E. NUMBER — 9-17-2021 — DATE

PROJECT INFORMATION

PROGRAM	HIGHWAY
PROJECT MANAGER	R. MOULTON
DESIGNER	D. PRIDE
CONSULTANT	
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	

WIN 18915.00 Federal Project No. 1891500

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

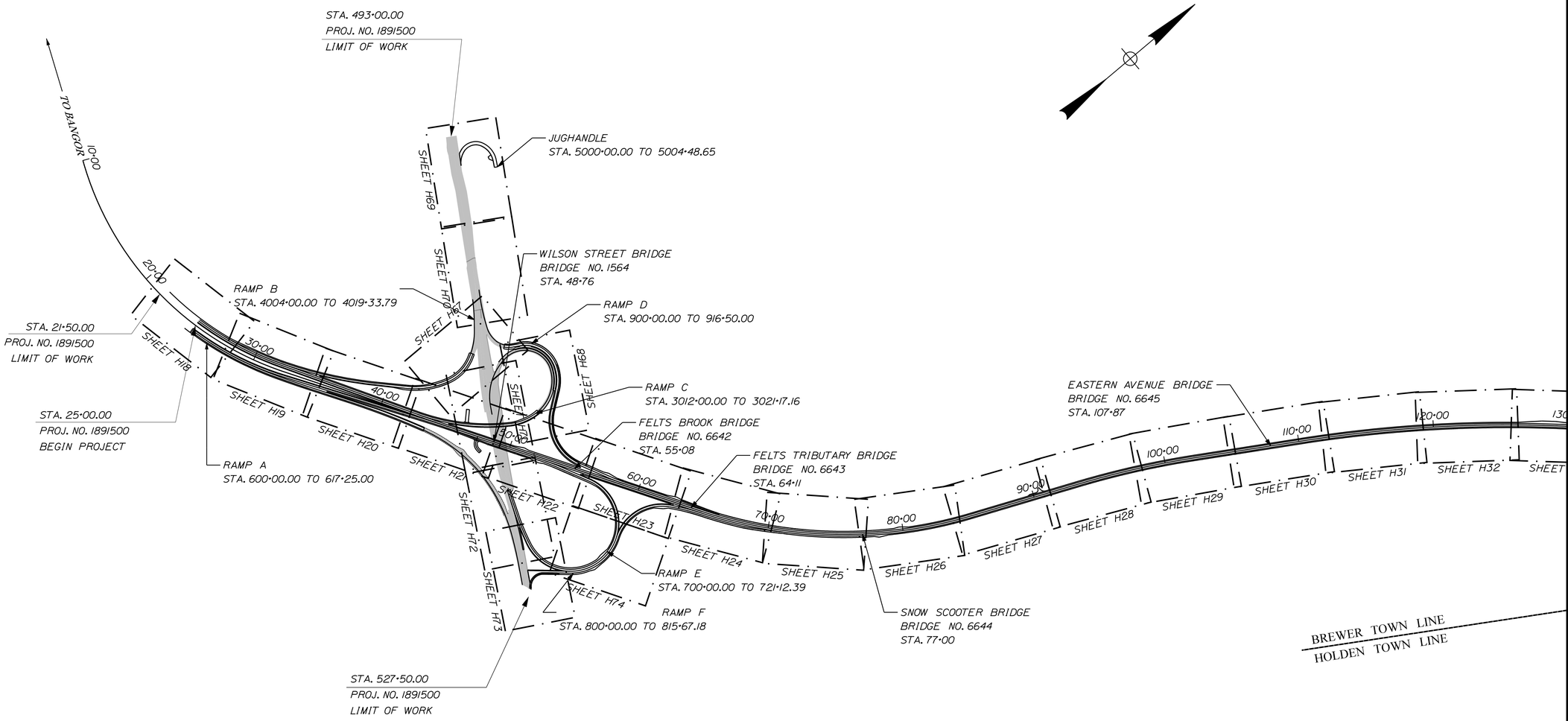
TITLE SHEET

SHEET NUMBER

G1

OF 24

Filename: ...\001_Title.dgn Division: HIGHWAY Username: common Date:9/17/2021



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN 018915.00

	BY	DATE
PROJ. MANAGER	R. MOULTON	SEP. 2021
DESIGN-DETAILED	D.PRIDE	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

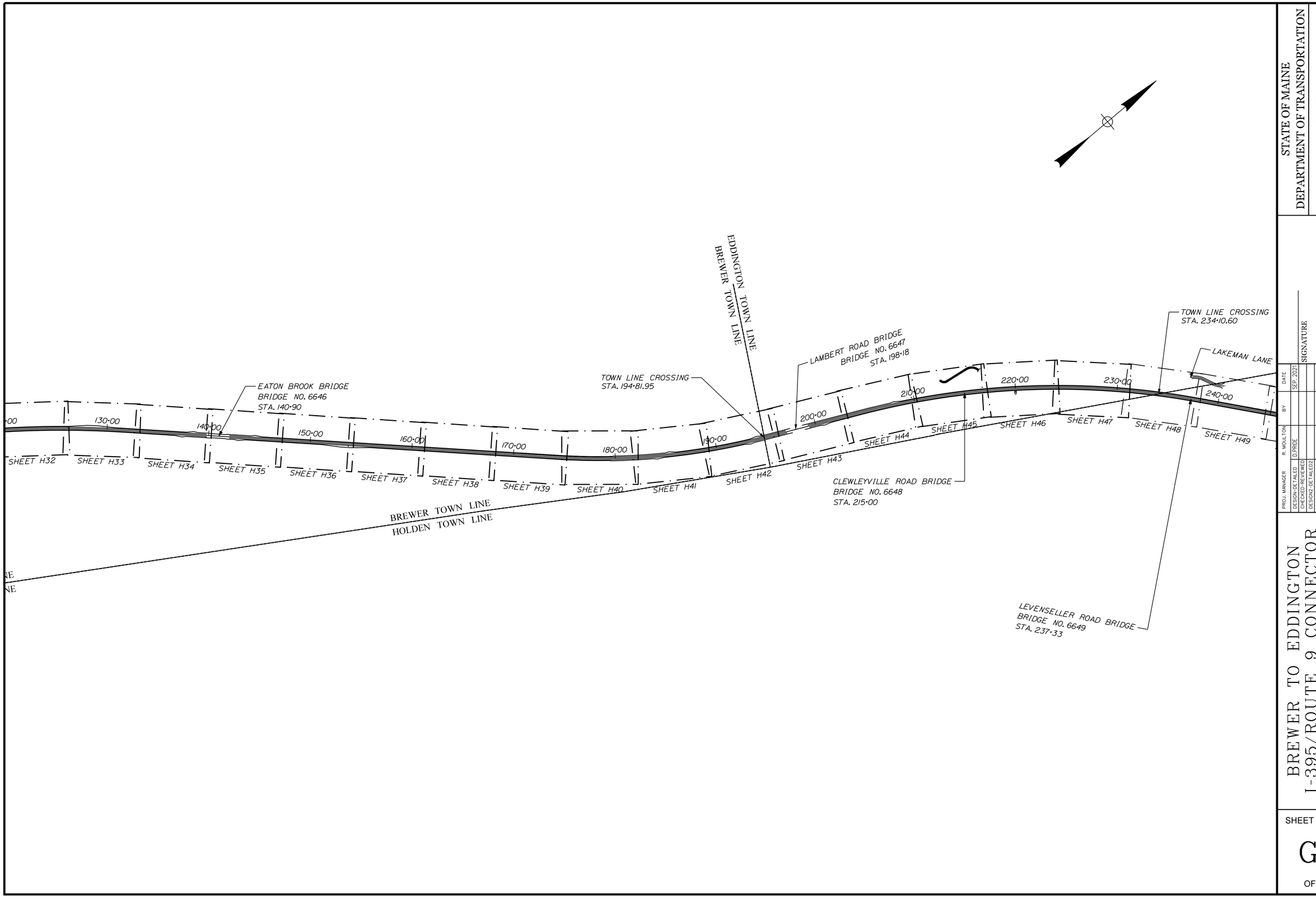
KEYSHEETS

SHEET NUMBER

G2

OF 24

Filename: ...\G2_HDPlan_Keysheet001.dgn Division: HIGHWAY Username: common Date:9/27/2021



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN 018915.00

	BY	DATE
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DESIGN-DETAILED	D.PRIDE	SEP. 2021
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DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

KEYSHEETS

SHEET NUMBER

G3

OF 24

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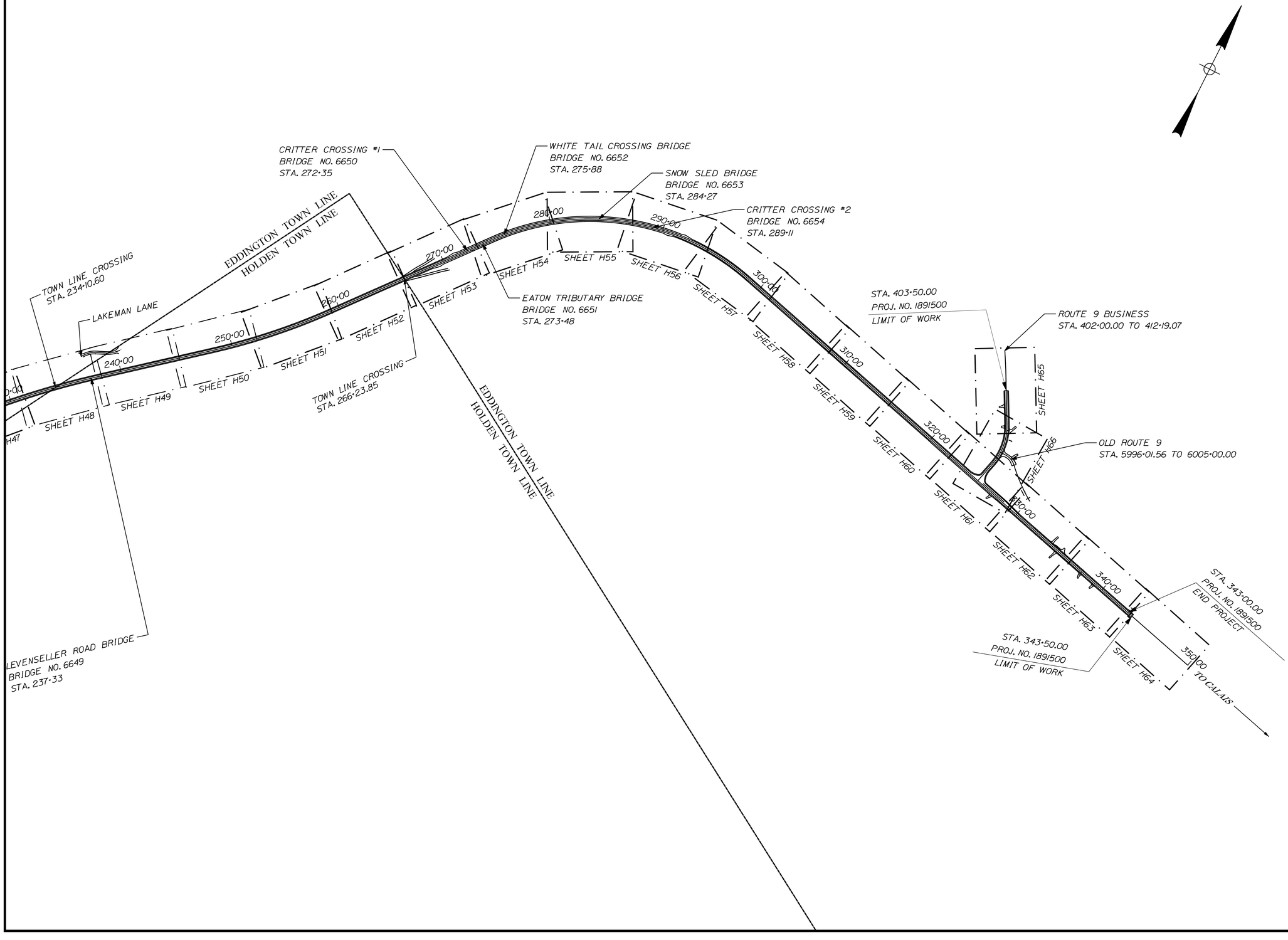

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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

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PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	D.PRIDE		SEP. 2021
CHECKED-REVIEWED			
DESIGN2-DETAILED2			SIGNATURE
DESIGN3-DETAILED3			
REVISIONS 1			P.E. NUMBER
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			DATE
FIELD CHANGES			

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

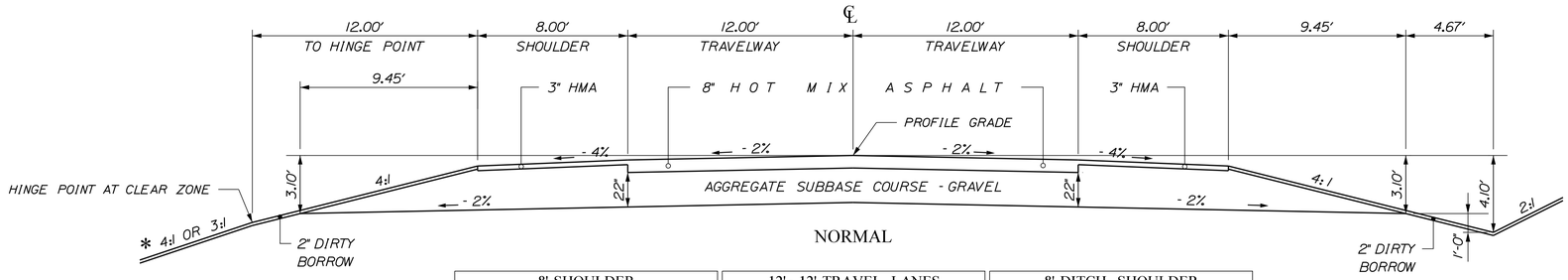
KEYSHEETS

SHEET NUMBER

G4

OF 24

RTE. 9



* WHERE FILL HEIGHTS OF THE SLOPE BELOW THE HINGE POINT ARE GREATER THAN OR EQUAL TO 5'. USE A 3:1 SLOPE. WHERE FILL HEIGHTS BELOW THE HINGE POINT ARE LESS THAN 5'. USE A 4:1 SLOPE.

8' SHOULDER 102.5 CY/100 LF	12' - 12' TRAVEL LANES 163.0 CY/ 100 LF	8' DITCH SHOULDER 102.5 CY/ 100 LF
STATION TO STATION	STATION TO STATION	STATION TO STATION
86+34.56 TO 92+53.89 RT.	45+50.00 TO 63+70.40	45+50.00 TO 50+33.34 LT.
86+34.56 TO 92+53.89 LT.	86+34.56 TO 92+53.89	45+50.00 TO 51+67.57 RT.
116+27.97 TO 134+24.93 RT.	103+03.62 TO 173+38.96	56+43.81 TO 59+00.00 RT.
116+80.00 TO 133+00.00 LT.	195+81.11 TO 203+85.08	107+00.00 TO 107+50.00 LT.
143+60.98 TO 148+25.00 RT.	238+85.48 TO 247+26.10	107+00.00 TO 107+50.00 RT.
145+23.41 TO 148+30.00 LT.	260+18.42 TO 273+24.70	108+50.00 TO 116+27.97 RT.
162+38.00 TO 168+84.57 RT.	300+13.10 TO 343+50.00	108+50.00 TO 110+50.00 LT.
163+35.00 TO 170+05.86 LT.		114+00.00 TO 116+80.00 LT.
201+57.30 TO 203+85.08 RT.		169+82.82 TO 172+00.00 RT.
257+20.58 TO 260+18.42 LT.		170+34.48 TO 173+38.96 LT.
300+13.10 TO 301+85.06 LT.		238+85.48 TO 241+50.00 RT.
300+13.10 TO 302+32.21		238+85.48 TO 241+50.00 LT.
311+42.93 TO 317+51.01 LT.		301+94.09 TO 311+42.83 LT.
312+42.73 TO 318+67.00 RT.		302+49.02 TO 312+42.73 RT.
330+28.97 TO 333+51.81 RT.		333+51.81 TO 334+50.00 RT.
334+92.86 TO 336+79.50 RT.		337+85.21 TO 338+50.00 RT.
339+78.23 TO 340+69.58 LT.		
339+92.00 TO 341+85.00 RT.		

NOTE:

1. THE PAVEMENT, BASE AND SUBBASE DEPTHS AS SHOWN ON THE PLANS ARE INTENDED TO BE NOMINAL.

2. WHEN SUPERELEVATION EXCEEDS THE SLOPE OF THE LOW SIDE SHOULDER, THE LOW SIDE SHOULDER SHALL HAVE THE SAME SLOPE AS THE TRAVELWAY.

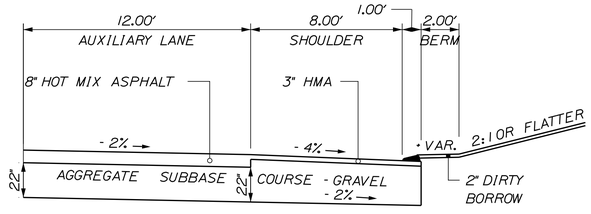
3. CROWNS FOR BOTH NORMAL AND SUPERELEVATION SECTIONS FOR ALL COURSES OF SUBBASE AND PAVEMENT SHALL BE STRAIGHT.

4. THE GRAVEL QUANTITY CALCULATION IS BASED ON A 2" LOAM OR DIRTY BORROW DEPTH. THE ACTUAL DEPTH MAY VARY. SEE THE GENERAL NOTES.

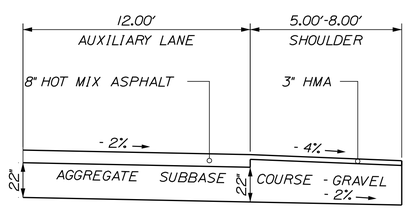
5. THE ALGEBRAIC DIFFERENCE BETWEEN THE SHOULDER AND TRAVEWAY CROSS SLOPES "ROLLOVER" SHALL NOT EXCEED 8%.

6. THE STATIONING SHOWN UNDER EACH TYPICAL IS APPROXIMATE.

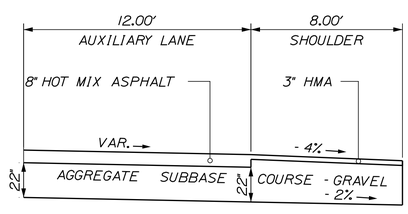
7. REFER TO SHEET SE29 THROUGH SE37 FOR ADDITIONAL CROSS SECTION INFORMATION IN SPECIAL EMBANKEMENT AREAS



8' CURB SHOULDER 72 CY/ 100 LF
STATION TO STATION
48+38.58 TO 50+46.00 RT.



NORMAL CROWN AUXILIARY
STATION TO STATION
50+50.00 TO 52+53.00 RT.
59+06.50 TO 63+25.00 LT.
326+00.00 TO 328+50.00 LT.



SUPERELEVATED AUXILIARY 72 CY/ 100 LF
STATION TO STATION
64+97.00 TO 68+18.00 RT.

NOT TO SCALE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

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018915.00

PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	D.PRIDE		SEP. 2021
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REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

BREWER TO EDDINGTON
1-395/ROUTE 9 CONNECTOR

TYPICAL SECTIONS - ROUTE 9

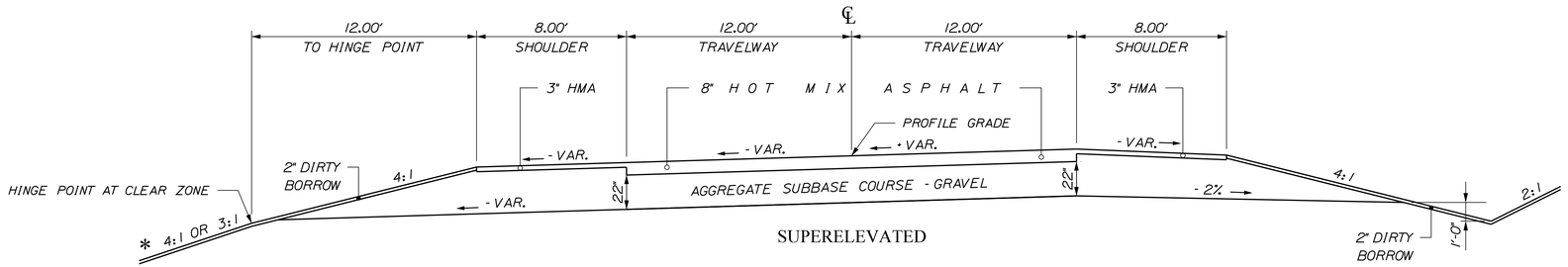
SHEET NUMBER

G5

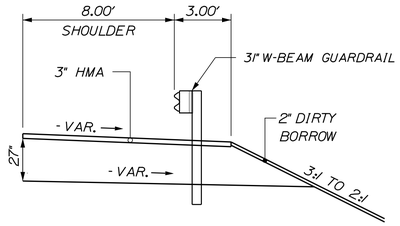
OF 24

Filename: ...\G5_Typical_Rte. 9_Normal.dgn Division: HIGHWAY Username: common Date:9/27/2021

RTE. 9



SUPERELEVATED



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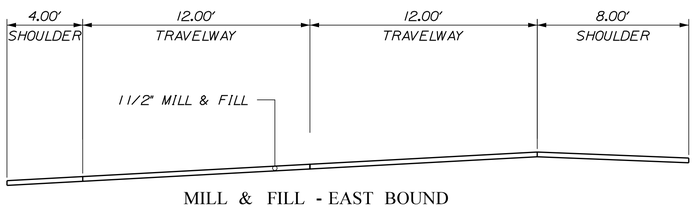
8' SHOULDER
STATION TO STATION
78+81.90 TO 86+34.56 RT.
78+81.90 TO 86+34.56 RT.
80+43.91 TO 86+34.56 LT.
92+53.89 TO 96+93.17 RT.
92+53.89 TO 97+45.37 LT.
184+81.96 TO 192+72.07 RT.
186+02.62 TO 193+39.85 LT.
203+85.08 TO 205+14.50 RT.
248+00.00 TO 253+86.05 RT.
248+75.43 TO 253+74.00 LT.
256+34.15 TO 268+83.92 RT.
260+18.42 TO 270+39.91 LT.
291+19.83 TO 294+48.14 RT.
292+69.23 TO 300+13.10 LT.
296+71.52 TO 300+13.10 RT.

12' - 12' TRAVEL LANES 163.0 CY/ 100 LF
STATION TO STATION
63+70.40 TO 86+34.56
92+53.89 TO 103+03.62
173+38.96 TO 195+81.11
203+85.08 TO 238+85.48
247+26.10 TO 260+18.42
273+24.70 TO 300+13.10

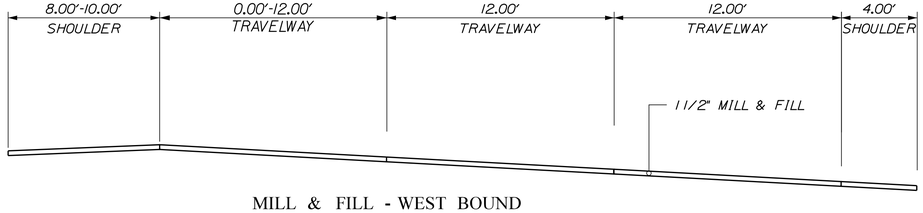
8' DITCH SHOULDER
STATION TO STATION
99+50.00 TO 101+50.00 RT.
99+50.00 TO 101+50.00 LT.
173+38.96 TO 177+42.40 LT.
205+50.00 TO 210+00.00 RT.
208+50.00 TO 211+50.00 LT.
212+50.00 TO 214+50.00 LT.
216+50.00 TO 217+50.00 LT.
216+50.00 TO 217+50.00 RT.
222+00.00 TO 236+00.00 RT.
222+00.00 TO 236+00.00 LT.
238+50.00 TO 238+85.48 RT.
238+50.00 TO 238+85.48 RT.
294+68.18 TO 296+71.52 RT.

8' GUARDRAIL SHOULDER
STATION TO STATION
51+40.62 TO 56+23.50 LT.
63+31.68 TO 79+36.03 LT.
65+13.29 TO 77+85.45 RT.
137+77.28 TO 139+99.53 RT.
138+89.78 TO 139+99.16 LT.
141+81.63 TO 144+16.12 LT.
141+81.84 TO 142+53.72 RT.
178+09.75 TO 183+75.10 RT.
178+16.85 TO 184+95.00 LT.
193+79.03 TO 197+34.88 RT.
194+47.47 TO 197+19.51 LT.
199+02.10 TO 207+59.36 LT.
199+17.00 TO 200+50.00 RT.
269+91.21 TO 290+12.12 RT.
271+47.20 TO 291+62.38 LT.



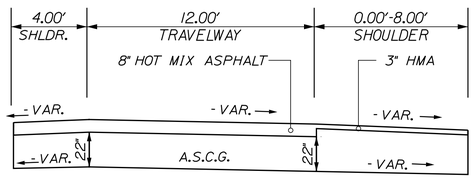
MILL & FILL - EAST BOUND

12' - 12' TRAVELWAYS
STATION TO STATION
1000+00.00 TO 1001+41.95



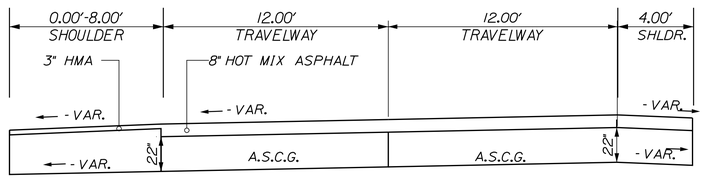
MILL & FILL - WEST BOUND

8'-10' SHOULDERS	TRAVELWAYS
STATION TO STATION	STATION TO STATION
2000+00.00 TO 2003+51.02 LT. 10' 2005+27.32 TO 2006+79.94 LT. 8'	2000+00.00 TO 2006+79.94



FULL RECONSTRUCTION - EAST BOUND

4' SHOULDER	12' TRAVELWAY	0-8' SHOULDER
STATION TO STATION	STATION TO STATION	STATION TO STATION
1001+91.95 TO 1016+60.10 LT.	1001+91.95 TO 1020+12.78	1001+91.95 TO 1010+97.48 RT. 0-8' 1010+97.48 TO 1020+12.78 RT. 8'



FULL RECONSTRUCTION - WEST BOUND

0-8' SHOULDER	12' TRAVELWAY	4' SHOULDER
STATION TO STATION	STATION TO STATION	STATION TO STATION
2007+29.94 TO 2009+90.31 LT. 0-8' 2009+90.31 TO 2017+68.48 LT. 8'	2007+29.94 TO 2017+68.48	2007+29.94 TO 2016+41.31 RT.

NOT TO SCALE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00

PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	D.PRIDE	SEP. 2021	SIGNATURE
CHECKED-REVIEWED	D.PRIDE		
DESIGN2-DETAILED2			P.E. NUMBER
DESIGN3-DETAILED3			
REVISIONS 1			DATE
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

BREWER-EDDINGTON
I-395/ROUTE 9 CONNECTOR

TYPICAL SECTIONS - ROUTE 9

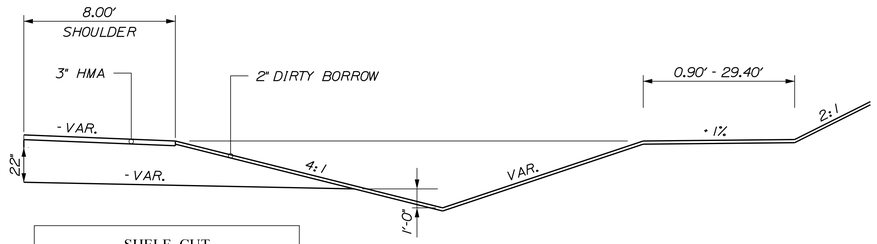
SHEET NUMBER

G6

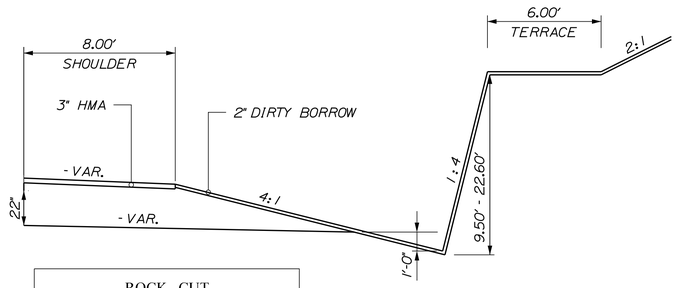
OF 24

Filename: ...\G6_Typical_Rte. 9_Superelevated.dgn Division: HIGHWAY Username: common Date:9/27/2021

RTE. 9
SPECIAL CUT



SHELF CUT
STATION TO STATION
102+00.00 TO 107+00.00 LT.
102+50.00 TO 107+00.00 RT.
218+00.00 TO 221+62.00 LT.
218+00.00 TO 221+75.00 RT.
305+00.00 TO 310+50.00 LT. & RT.



ROCK CUT
STATION TO STATION
206+50.00 TO 217+50.00 LT. & RT.
235+00.00 TO 241+00.00 LT. & RT.

NOT TO SCALE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

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018915.00

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REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

TYPICAL SECTIONS - ROUTE 9

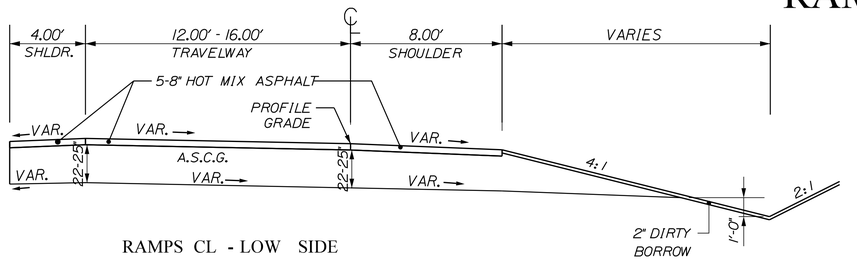
SHEET NUMBER

G7

OF 24

Filename: ...\G7_Typical_Rte. 9_Special cut.dgn Division: HIGHWAY Username: common Date:9/27/2021

RAMPS

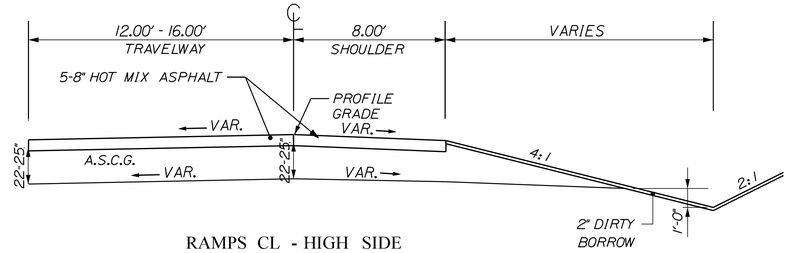


RAMPS CL - LOW SIDE

4' SHOULDER
RAMP: STATION TO STATION
8" DEPTH RAMP A: 609+62.89 TO 617+30.64 LT. RAMP C: 3012+00.00 TO 3018+80.92 LT. 5" DEPTH RAMP B: 4010+74.93 TO 4016+24.66 LT. RAMP E: 703+03.34 TO 708+29.34 LT. RAMP E: 713+87.63 TO 718+12.00 LT. RAMP F: 808+92.07 TO 813+37.93 LT.

RAMP TRAVELWAY
RAMP: STATION TO STATION
8" HMA DEPTH RAMP A: 606+02.83 TO 611+50.00 12' RAMP A: 611+50.00 TO 614+00.00 12-16' RAMP A: 614+00.00 TO 617+30.34 12' RAMP C: 3012+00.00 TO 3017+00.00 14' RAMP C: 3017+00.00 TO 3018+00.00 14-12' RAMP C: 3018+00.00 TO 3021+17.16 12' 5" HMA DEPTH RAMP B: 4004+00 TO 4009+00.00 16' RAMP B: 4009+00.00 TO 4012+00.00 16-12' RAMP B: 4012+00.00 TO 4019+33.79 12' RAMP D: 900+00.00 TO 901+50.00 12-14' RAMP D: 901+50 TO 909+00 14' RAMP E: 700+00.00 TO 701+50.00 12-14' RAMP E: 701+50.00 TO 716+80.00 14' RAMP E: 716+80.00 TO 717+75.00 14-12' RAMP E: 717+75.00 TO 721+00.00 12' RAMP F: 808+29.35 TO 813+25.00 14' RAMP F: 813+25.00 TO 314+13.76 14-12' RAMP F: 814+13.76 TO 815+67.18 12'

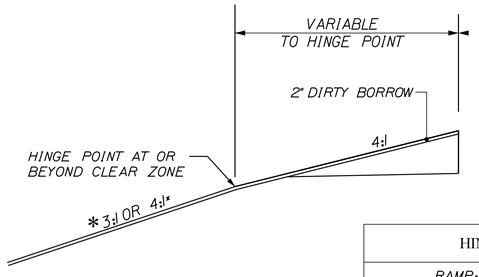
8' SHOULDER
RAMP: STATION TO STATION
8" DEPTH RAMP A: 606+50.00 TO 617+30.34 RT. RAMP C: 3014+24.00 TO 3021+17.16 RT. 5" DEPTH RAMP B: 4008+73.27 TO 4019+33.79 RT. RAMP D: 900+00.00 TO 900+84.78 RT. RAMP D: 903+89.73 TO 907+28.73 LT. RAMP E: 704+41.47 TO 709+82.71 RT. RAMP F: 808+00.00 TO 812+10.18 RT.



RAMPS CL - HIGH SIDE

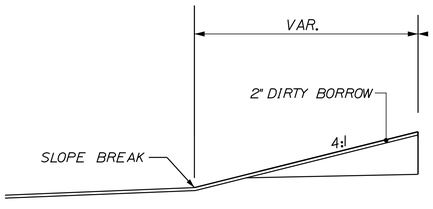
RAMP TRAVELWAY
RAMP: STATION TO STATION
8" DEPTH RAMP A: 600+00.00 TO 606+50.00 5" DEPTH RAMP D: 909+50.00 TO 915+11.11 RAMP F: 803+00.00 TO 808+00.00

8' SHOULDER
RAMP: STATION TO STATION
8" DEPTH RAMP A: 600+00.00 TO 606+50.00 RT. 5" DEPTH RAMP D: 909+50.00 TO 916+50.00 RT. RAMP F: 806+25.00 TO 808+00.00 RT.

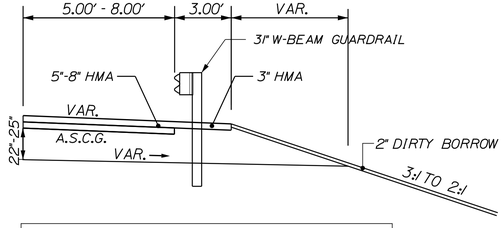


HINGED SIDESLOPE
RAMP: STATION TO STATION
RAMP B: 4008+00.38 TO 4010+29.00 RT. RAMP D: 900+00.00 TO 901+92.36 RT. RAMP E: 704+05.83 TO 710+91.72 RT. RAMP F: 805+16.46 TO 813+00.00 RT.

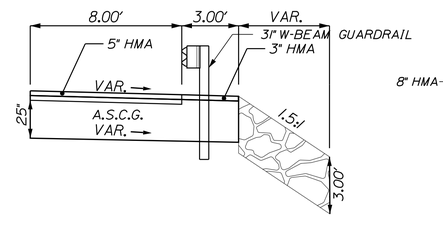
*WHERE FILL HEIGHTS OF THE SLOPE BELOW THE HINGE POINT ARE GREATER THAN OR EQUAL TO 5', USE A 3:1 SLOPE. WHERE FILL HEIGHTS BELOW THE HINGE POINT ARE LESS THAN 5', USE A 4:1 SLOPE.



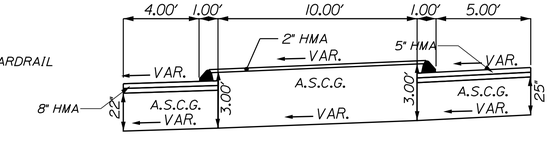
SIDESLOPE WITH SLOPE BREAK
RAMP: STATION TO STATION
RAMP B: 4010+00.56 TO 4013+06.09 LT. RAMP B: 4013+50.00 TO 4019+33.79 RT. RAMP C: 3012+00.00 TO 3014+00.00 LT. RAMP C: 3013+50.00 TO 3021+17.16 RT. RAMP D: 915+50.00 TO 916+00.00 RT.



GUARDRAIL SHOULDER
RAMP: STATION TO STATION
RAMP B: 4003+06.23 TO 4008+00.30 RT. RAMP B: 4003+27.43 TO 4010+00.56 LT. RAMP C: 3011+37.27 TO 3013+00.00 RT. RAMP D: 901+92.36 TO 909+00.00 RT. RAMP D: 903+05.56 TO 908+50.00 LT. RAMP E: 700+22.04 TO 704+00.00 RAMP E: 711+00.00 TO 721+00.00 RAMP F: 800+04.69 TO 805+16.46 RT. RAMP F: 813+18.93 TO 815+67.00 LT.



1.5:1 GUARDRAIL SHOULDER
RAMP: STATION TO STATION
RAMP D: 909+00.00 TO 914+50.00 RT.



RAMP C/D GUARDRAIL SECTION
RAMP: STATION TO STATION
RAMP C: 3005+36.90 TO 3010+11.28 LT. RAMP D: 909+99.80 TO 915+79.01 LT.

NOT TO SCALE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00

	BY	DATE
PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	D.PRIDE	SEP. 2021
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

TYPICAL SECTIONS - RAMPS

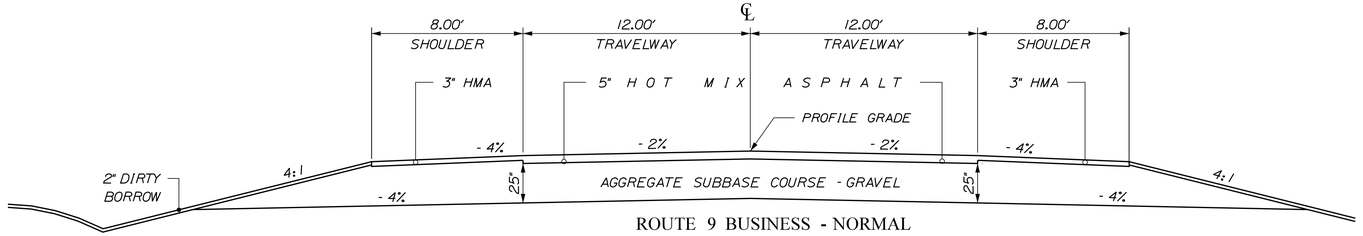
SHEET NUMBER

G8

OF 24

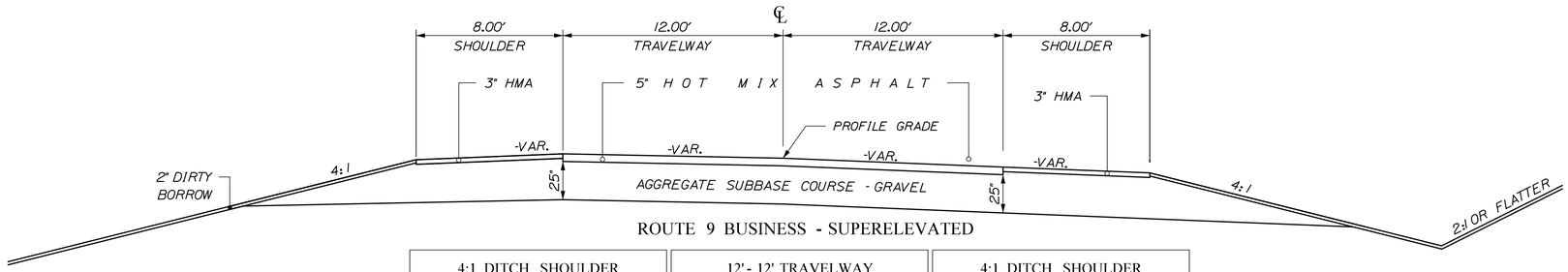
Filename: ...\G8_Typical - Ramps.dgn Division: HIGHWAY Username: common Date:9/27/2021

SIDE ROADS



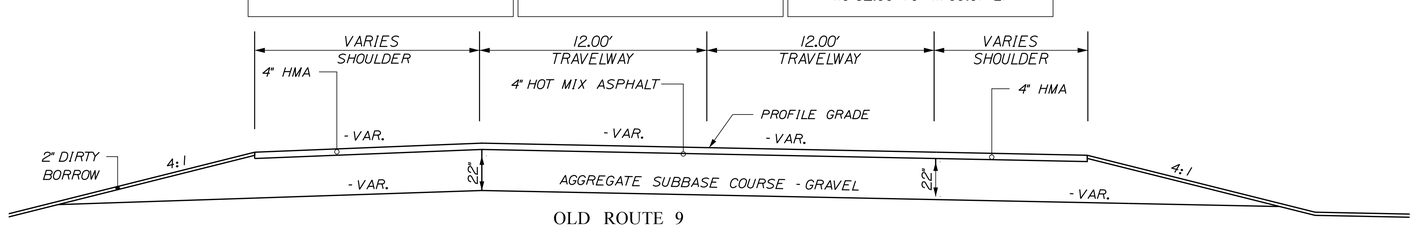
ROUTE 9 BUSINESS - NORMAL

4:1 DITCH SHOULDER	12' - 12' TRAVELWAY	4:1 DAYLIGHT SHOULDER
STATION TO STATION	STATION TO STATION	STATION TO STATION
404+00.00 TO 405+00.00 LT 404+41.00 TO 405+00.00 RT	404+00.00 TO 405+00.00	404+00.00 TO 404+41.00 RT



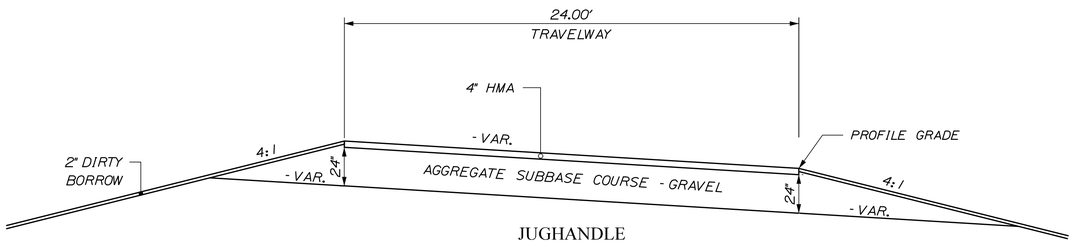
ROUTE 9 BUSINESS - SUPERELEVATED

4:1 DITCH SHOULDER	12' - 12' TRAVELWAY	4:1 DITCH SHOULDER
STATION TO STATION	STATION TO STATION	STATION TO STATION
405+48.00 TO 407+63.00 LT 408+32.00 TO 410+62.00 LT	405+00.00 TO 411+99.07	405+00.00 TO 405+48.00 LT 405+00.00 TO 411+99.07 RT 407+63.00 TO 408+32.00 LT 410+62.00 TO 411+99.07 LT



OLD ROUTE 9

4:1 DAYLIGHT SHOULDER	12' - 12' TRAVELWAY	4:1 DITCH SHOULDER
STATION TO STATION	STATION TO STATION	STATION TO STATION
6003+77.00 TO 6004+94.48 LT 6004+60.00 TO 6004+94.48 RT	6003+45.54 TO 6004+94.48	6003+45.54 TO 6003+77.00 LT 6003+45.54 TO 6004+60.00 RT



JUGHANDLE

LEFT SIDESLOPE	24' TRAVEL LANE	RIGHT SIDESLOPE
STATION TO STATION	STATION TO STATION	STATION TO STATION
5000+80.07 TO 5004+48.65 LT	5000+80.07 TO 5004+48.65	5000+80.07 TO 5001+95.00 RT 5001+95.00 TO 5002+80.00 RT 5002+80.00 TO 5004+48.65 RT

NOT TO SCALE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00

PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	D.PRIDE	SEP. 2021	
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

TYPICAL SECTIONS - SIDE ROADS

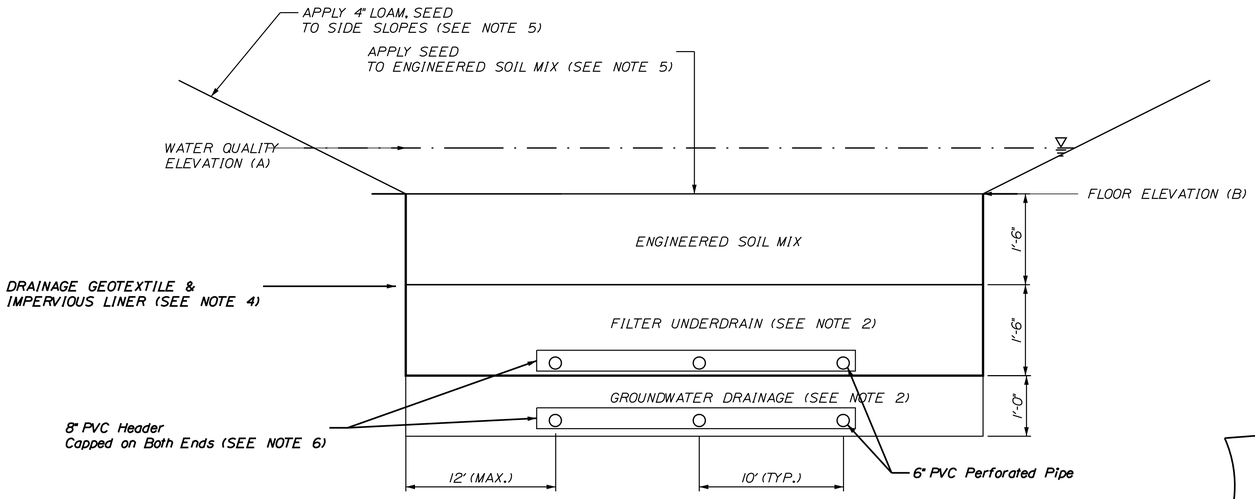
SHEET NUMBER

G9

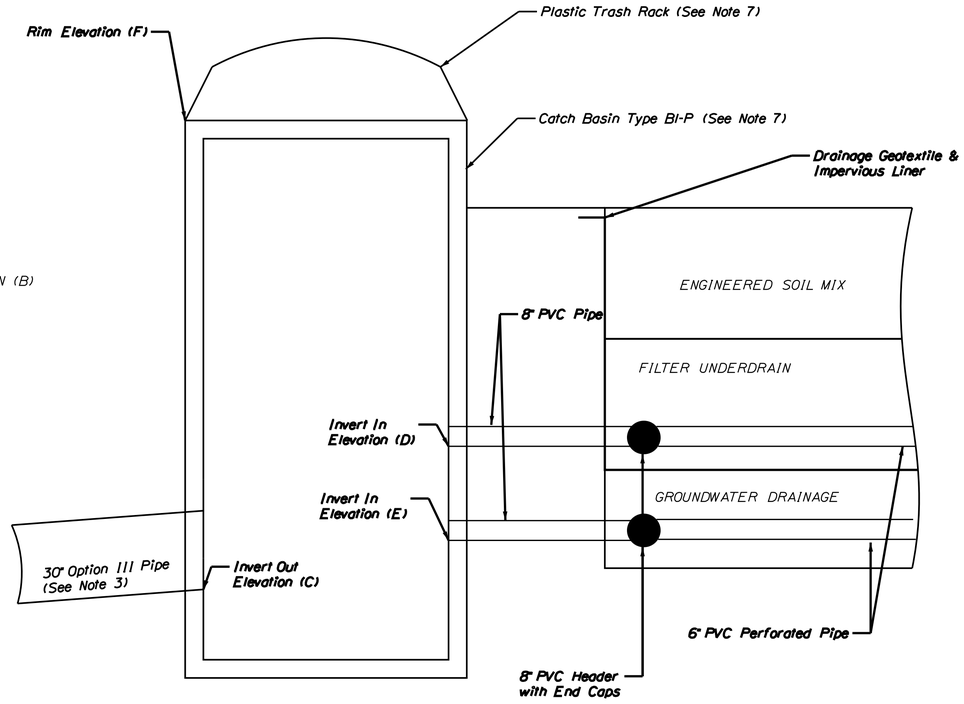
OF 24

Filename: ...\G9_Typicol_Side Roods.dgn Division: HIGHWAY Username: common Date:9/27/2021

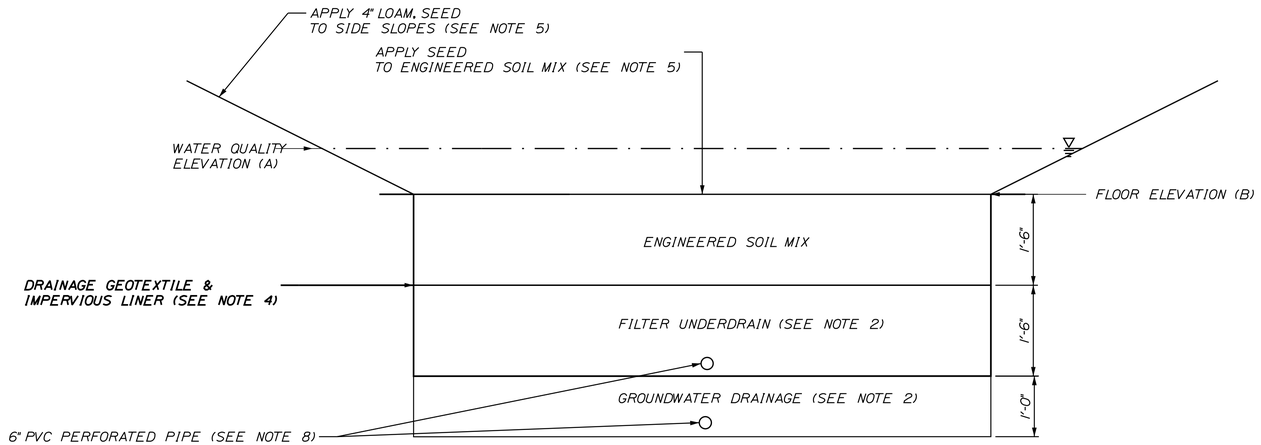
UNDERDRAIN SOIL FILTER



TYPICAL SECTION FOR USF1b & USF2
NOT TO SCALE



USF2 OUTLET CONTROL STRUCTURE PROFILE
NOT TO SCALE



TYPICAL SECTION FOR USF1a
NOT TO SCALE

USF2 OUTLET CONTROL STRUCTURE

Box	Rim Elevation (ft)	Invert In Elevation (ft)		Invert Out Elevation (ft)
	F	D	E	C
Catch Basin Type B1-P	161.00	157.40	156.10	155.50

USF BASIN SCHEDULE

USF Basin ID	Elevations (ft)	
	Water Quality * (A)	Floor ** (B)
USF1a	158.00	157.00
USF1b	158.00	157.00
USF2	161.00	160.00

*: USF principal spillways will be activated at the water quality elevation.
**: USF floor elevations shall be constant throughout the basins (Slope: 0%).

NOTES

1. The Materials Shall Conform To The Requirements Of "Special Provision 615 - Underdrain Soil Filter" Unless Stated Otherwise.

2. "Filter Underdrain" Layer and "Groundwater Drainage" Layer Shall Consist Of "Underdrain Backfill Material - Type B" Conforming To Standard Specification 703.22.

3. 30" Option III Pipe Shall Meet The Requirements Of And Be Installed In Accordance With "Standard Specification 603 - Pipe Culverts and Storm Drains". The Pipe Payment Shall Be Made Under Item 603.209.

4. Impervious Liner Shall Be Between Two Layers of Drainage Geotextile. Drainage Geotextile And Impervious Liner Shall Be Anchored To The Sidewalls of Excavation Using A Method Approved By The Resident.

5. Side Slopes and Floors of The Underdrain Soil Filter Basins Shall Be Seeded And Covered With Erosion Control Blanket In Accordance With "Special Provision 615 - Underdrain Soil Filter" Excluding The Rock Surfaces Shown In The Plans.

6. PVC Pipes Shall Not Be Perforated And Shall Conform To Standard Specification 706.08.

7. Outlet Control Structure Consisting of Catch Basin Type BI-P and Plastic Trash Rack Shall Conform to The Requirements Of "Special Provision 615 - Underdrain Soil Filter". The Outlet Control Structure Payment Shall Be Made Under Item 604.091.

8. One 6" PVC Perforated Pipe Shall Be Installed Along The Centerline As Directed By The Resident.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

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	BY	DATE
PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED		SEP. 2021
CHECKED-REVIEWED	K. GUNDER	
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

SPECIAL DETAIL- SOIL FILTER

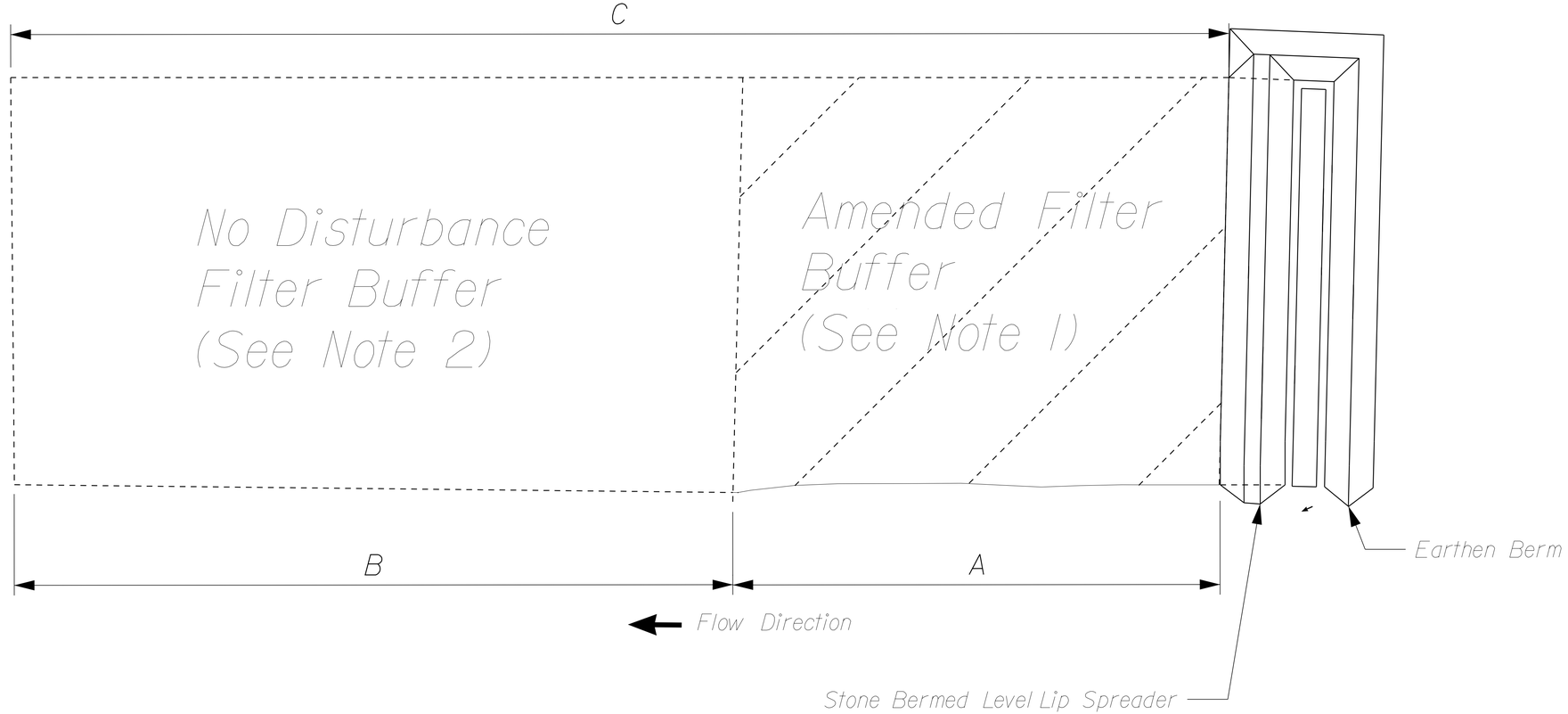
SHEET NUMBER

G10

OF 24

Filename: ...\G10_SpecialDetail - Underdrain Soil Filter.dgn Design: HIGHWAY Username: common Date:9/27/2021

STORMWATER BUFFER WITH LEVEL SPREADER



STORMWATER BUFFERS WITH LEVEL SPREADERS

Buffer ID	Station	Length		
		Amended Filter Buffer (ft)	No Disturbance Filter Buffer** (ft)	Total Filter Buffer (ft)
		A	B	C
MBLS1	97+20 RT	106.0	35.1	141.1
MBLS2	97+70 LT	78.0	33.4	111.4
FBLS1	148.65 LT	16.0	134.8	150.8
FBLS2	148+55 RT	51.0	99.5	150.5
FBLS3	153+27 LT	60.0	90.4	150.4
FBLS4*	409+45 LT	0.0	60.0	60.0
MBLS3*	329+37 RT	0.0	149.9	149.9

**: Entire stormwater buffer strip shall not be amended or disturbed during construction.*
***: No disturbance filter buffer strip shall not be amended or disturbed during construction.*

Notes

1. Soil In The Upgradient Section Shall Be Amended In Accordance With Special Provision 615. After The Amendment Is Complete, The Section Shall Be Closed For All Vehicular Traffic and Shall Not Be Used For Material Storage.

2. Soil In The Downgradient Section Shall Not Be Disturbed During Construction. The Section Shall Be Closed for All Vehicular Traffic and Shall Not Be Used For Material Storage.

NOT TO SCALE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00

PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	K. GUNGOR		SEP. 2021
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

SPECIAL DETAIL- STORMWATER BUFFER WITH LEVEL SPREADER

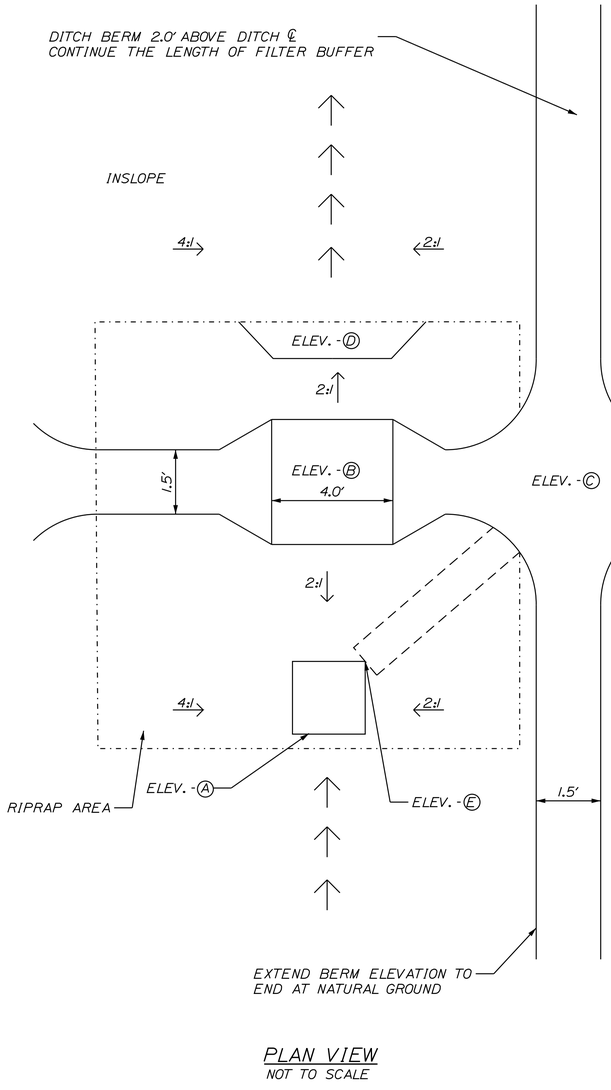
SHEET NUMBER

G11

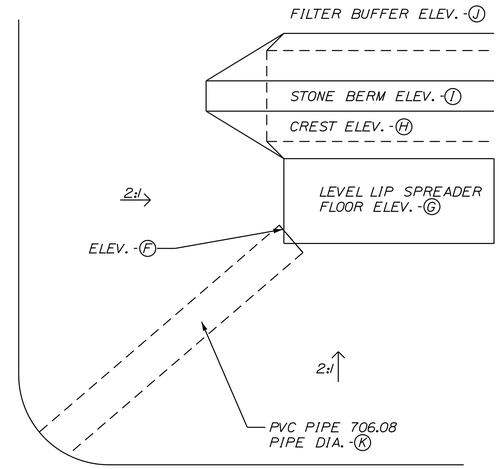
OF 24

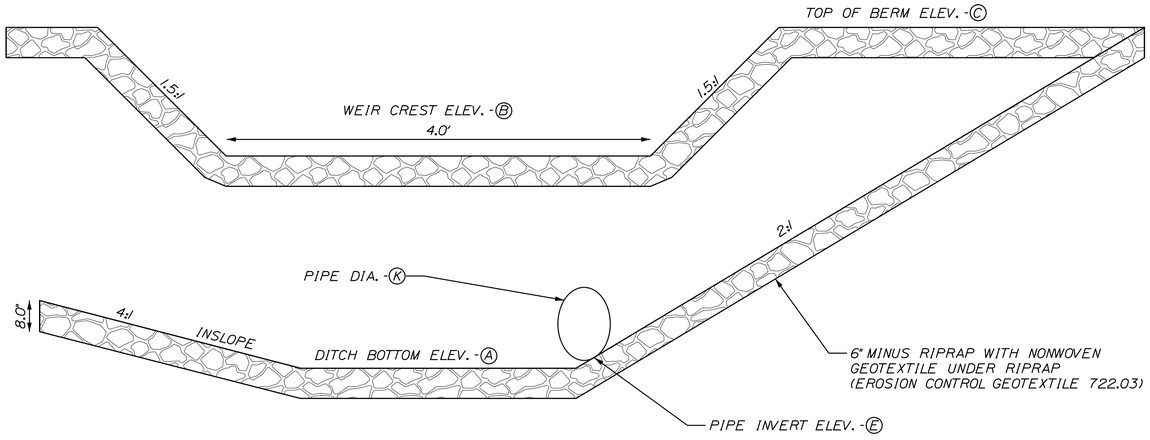
Filename: ...\G11_SpecialDetail - Stormwater Buffer.dgn Division: HIGHWAY Username: common Date:9/27/2021

FLOW SPLITTER

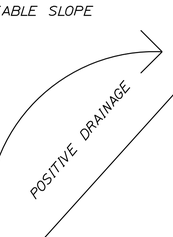


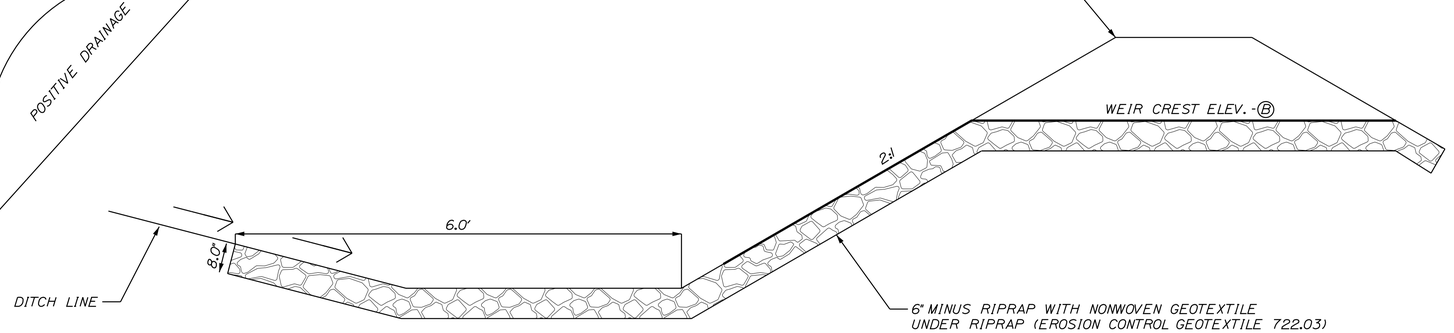
PLAN VIEW
NOT TO SCALE





ELEVATION VIEW
NOT TO SCALE





PROFILE VIEW ℄ DITCH
NOT TO SCALE

NOTE:

1. REFER TO SPECIAL PROVISION 610 FOR THE TYPICAL CROSS SECTIONS OF THE STONE BERM LEVEL LIP SPREADER.

2. FLOW SPLITTER AND LEVEL SPREADER ELEVATIONS AND LOCATIONS MAY BE ADJUSTED WITH THE APPROVAL OF THE RESIDENT.

3. ALL MATERIALS ARE INCIDENTAL TO THE PRACTICE.

4. RIPRAP SHALL BE WELL GRADED 6 INCH MINUS FIELDSTONE. ROUGH QUARRY STONE. BLASTED LEDGE ROCK OR TAILING.

5. NONWOVEN GEOTEXTILE SHALL BE EROSION CONTROL GEOTEXTILE 722.03.

6. BUFFER FBLS4 FLOW SPLTTER IS AT THE OUTLET OF A CROSS CULVERT NOT A DITCH. BERMS SHALL TIE INTO THE ROAD INSLOPE.

Station	FS Floor	FS Weir Crest	Top of Diversion Berm	Bypass Ditch Bottom	Pipe Invert	Pipe Outlet	LLS Floor	LLS Crest	LLS Stone Berm	Filter Buffer	Pipe Diameter
	A	B	C	D	E	F	G	H	I	J	K
	Elevation (ft)										inche
97+20 RT	105.7	107.8	109.1	107.3	106.2	106.0	105.5	106.0	107.5	105.5	8
97+70 LT	107.2	108.6	109.9	108.1	107.7	107.5	107.0	107.5	109.0	107.0	6
148.65 LT	90.8	92.2	93.3	91.7	91.3	91.1	90.5	91.0	92.5	90.5	6
148+55 RT	90.8	92.2	93.1	91.7	91.3	91.1	90.5	91.0	92.5	90.5	6
153+27 LT	98.7	100.2	101.4	99.7	99.2	99.0	98.5	99.0	100.5	98.5	6
409+45 LT	201.1	202.5	205.0	202.0	201.6	201.5	201.0	201.5	203.0	201.0	8
329+37 RT	196.7	198.0	200.0	197.5	197.2	197.0	196.5	197.0	198.5	196.5	6

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00

SIGNATURE			
P.E. NUMBER			
DATE			

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

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

FLOW SPLITTER FOR LEVEL LIP SPREADER

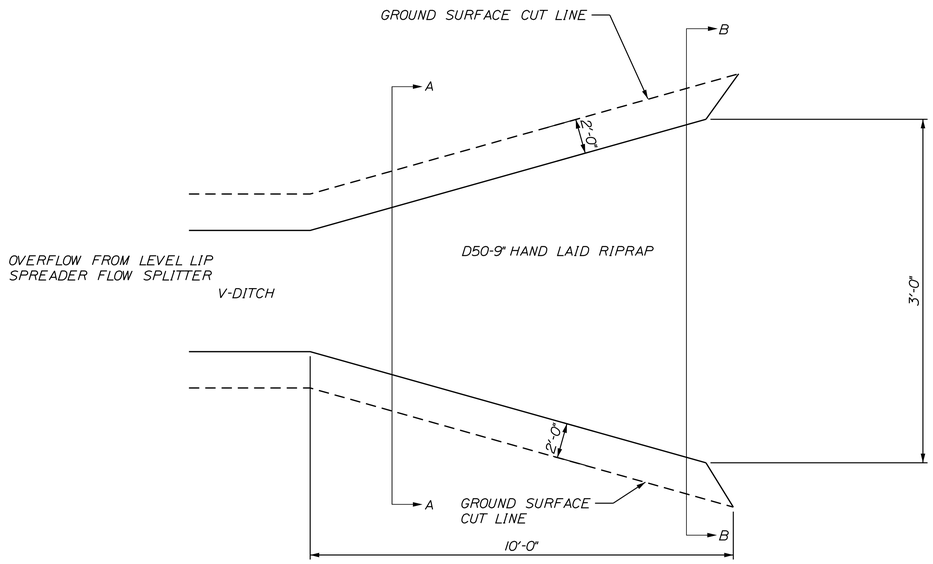
SHEET NUMBER

G12

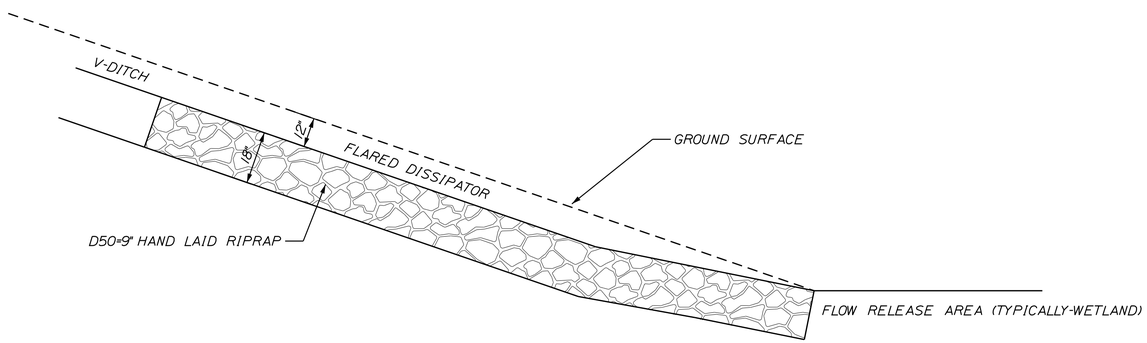
OF 24

Filename: ...\G12_SpecialDetail - Flow Splitter.dgn Division: HIGHWAY Username: common Date:9/27/2021

ENERGY DISSIPATOR



PLAN
NOT TO SCALE



PROFILE
NOT TO SCALE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00

PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	M. MIHAU	SEP. 2021	SIGNATURE
CHECKED-REVIEWED			
DESIGN2-DETAILED2			P.E. NUMBER
DESIGN3-DETAILED3			
REVISIONS 1			DATE
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

SPECIAL DETAIL - ENERGY DISSIPATOR

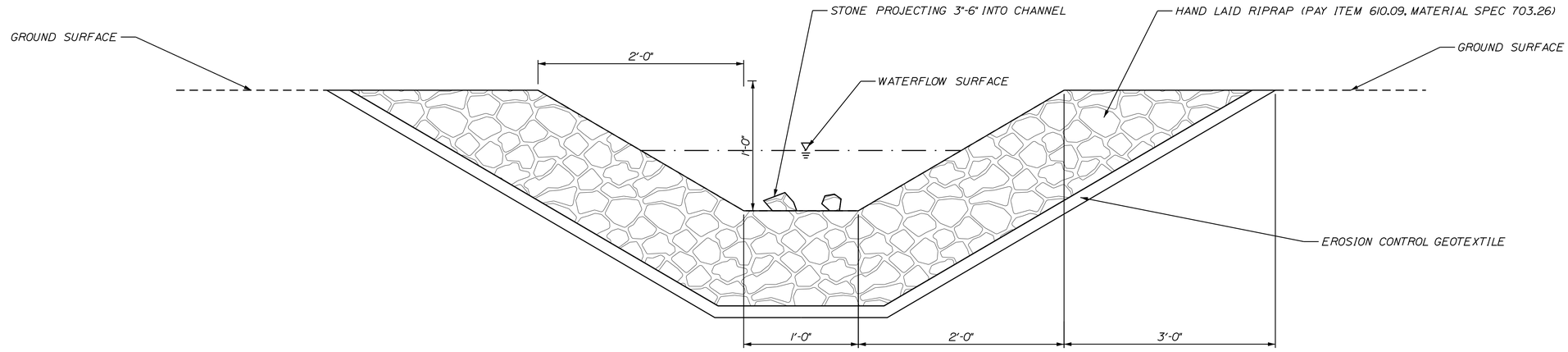
SHEET NUMBER

G13

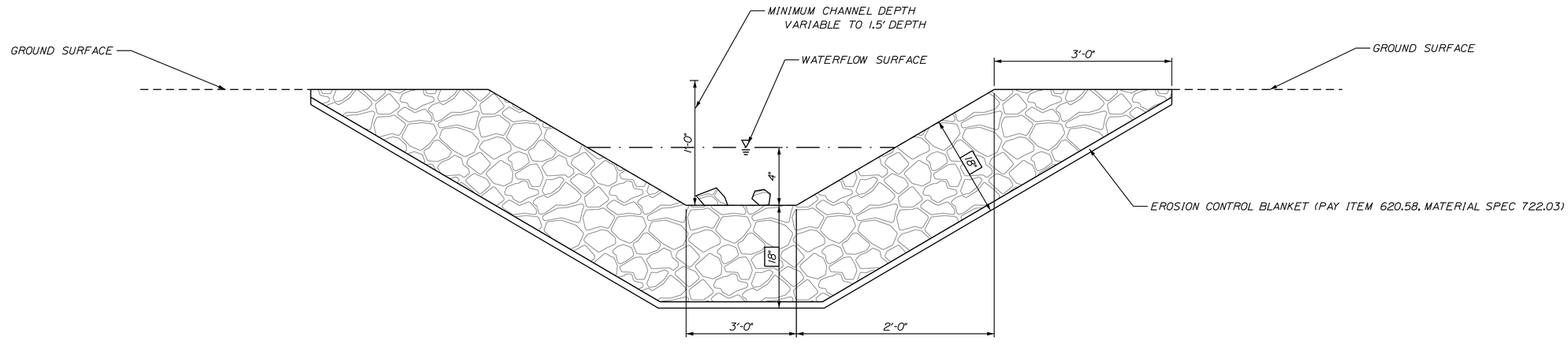
OF 24

Filename: ...\G13_SpecialDetail - Energy Dissipator 10x3.dgn Design HIGHWAY Date:9/27/2021
Username: common

ENERGY DISSIPATOR



SECTION A-A
NOT TO SCALE



SECTION B-B AT LOWER END
NOT TO SCALE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00

PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	M. MIHAU	BY	DATE
CHECKED-REVIEWED			SEP. 2021
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

SPECIAL DETAIL - LEVEL LIP SPREADER

SHEET NUMBER

G14

OF 24

Filename: ...\G14_Special Detail - Energy Dissipator Divided.dgn Date:9/27/2021
Username: common

SUPERELEVATION TABLES

TRANSITION EASTBOUND			
LT. SHOULDER	TRAVELWAY	STATION	RT. SHOULDER
		START	
-4.6%	4.6%	1000+00.00	-2.0%
		TO	
-4.6%	4.6%	1001+35.55	-2.0%
-4.8%	4.8%	1001+41.95	-
-4.8%	4.8%	1001+43.55	-
		TO	
-4.8%	4.8%	1007+27.67	-
-4.0%	3.9%	1007+50.00	-
-4.0%	2.0%	1008+00.00	-
-4.0%	0.0%	1008+50.00	-
-4.0%	-2.0%	1009+00.00	-2.0%
-4.0%	-2.0%	1009+50.00	-4.0%
		TO	
-4.0%	-2.0%	1015+60.10	-4.0%
-1.6%	-2.0%	1016+00.00	-4.0%
1.3%	-2.0%	1016+50.00	-4.0%
2.0%	-2.0%	1016+60.10	-4.0%
		TO	
-	-2.0%	1020+12.78	-4.0%

TRANSITION WEST BOUND				
LT. SHOULDER	LT. AUX	LT. TRAVELWAY	STATION	RT. SHOULDER
			START	
-5.4%	-5.4%	-5.4%	2000+00.00	0.0%
-4.6%	-4.6%	-4.6%	2000+21.00	-0.8%
-4.6%	-4.6%	-4.6%	2000+50.00	-2.0%
			TO	
-4.6%	-4.6%	-4.6%	2006+45.74	-2.0%
-4.6%	-4.6%	-4.6%	2006+66.74	-4.0%
-2.0%	-2.0%	-2.0%	2007+32.74	-4.0%
			TO	
-2.0%	-2.0%	-2.0%	2009+48.71	-4.0%
-2.1%	-2.0%	-2.0%	2009+50.00	-4.0%
-4.0%	-2.0%	-2.0%	2009+98.71	-4.0%
			TO	
-4.0%	-2.0%	-2.0%	2015+45.32	-4.0%
-4.0%	-2.0%	-2.0%	2015+50.00	-3.7%
-4.0%	-2.0%	-2.0%	2016+00.00	-0.6%
-4.0%	-2.0%	-2.0%	2016+41.32	2.0%
			TO	
-4.0%	-2.0%	-2.0%	2017+18.86	2.0%
-4.0%	-3.3%	-2.0%	2017+50.00	2.0%
-4.0%	-4.0%	-2.0%	2017+66.10	2.0%
-4.1%	-4.1%	-2.0%	2017+68.46	2.0%
-	-	-2.0%	2018+00.00	-
			TO	
-	-	-2.0%	2020+02.52	-

ROUTE 9						
LT. SHOULDER	LT. AUXILLARY	LT TRAVELWAY	STATION	RT. TRAVELWAY	RT. AUXILLARY	RT. SHOULDER
			START			
-4.0%	-	-2.0%	45+50.00	-2.0%	-	-4.0%
			TO			
-4.0%	-	-2.0%	46+00.00	-2.0%	-	-4.0%
			TO			
-4.0%	-	-2.0%	52+00.00	-2.0%	-2.0%	-4.0%
-4.0%	-	-2.0%	52+50.00	-2.0%	-3.9%	-4.0%
-4.0%	-	-2.0%	52+02.98	-2.0%	SEE RAMP E	SEE RAMP E
			TO			
-4.5%	-4.5%	-2.0%	55+53.50	-2.0%	SEE RAMP E	SEE RAMP E
-4.5%	-4.5%	-2.0%	56+00.00	-2.0%	SEE RAMP E	SEE RAMP E
			TO			
-4.5%	-4.5%	-2.0%	57+00.00	-2.0%	-	-4.0%
-4.6%	-4.6%	-2.0%	57+50.00	-2.0%	-	-4.0%
			TO		-	
-4.6%	-4.6%	-2.0%	58+50.00	-2.0%	-	-4.0%
-4.0%	-4.1%	-2.0%	59+00.00	-2.0%	-	-4.0%
			TO			
-4.0%		-2.0%	63+00.00	-2.0%	-5.7%	-2.1%
-4.0%		-2.0%	63+50.00	-2.0%	-5.4%	SEE RAMP F
-4.0%		-2.0%	63+70.40	-2.0%	-4.9%	SEE RAMP F
-4.0%		-2.0%	64+00.00	-0.8%	-4.9%	SEE RAMP F
-4.0%		-2.0%	64+21.40	0.0%	-4.6%	SEE RAMP F
-4.0%		-3.1%	64+50.00	1.1%	-2.9%	SEE RAMP F
-4.0%		-3.6%	64+72.40	2.0%	-2.0%	SEE RAMP F
-4.0%		-3.6%	65+00.00	3.1%	-0.9%	SEE RAMP F
-4.0%		-3.6%	65+13.40	3.6%	-0.4%	-4.0%
-4.0%		-3.6%	65+50.00	3.6%	1.1%	-4.0%
-4.0%		-3.6%	66+00.00	3.6%	3.1%	-4.0%
-4.0%		-3.6%	66+50.00	3.6%	3.6%	-4.0%
			TO			
-4.0%		-3.6%	71+00.00	3.6%	3.6%	-4.0%
			TO			
-4.0%		-3.6%	84+91.56	3.6%		-4.0%
-4.0%		-3.3%	85+00.00	3.3%		-4.0%
-4.0%		-2.0%	85+32.56	2.0%		-4.0%
-4.0%		-2.0%	85+50.00	1.3%		-4.0%
-4.0%		-2.0%	85+83.56	0.0%		-4.0%
-4.0%		-2.0%	86+00.00	-0.6%		-4.0%
-4.0%		-2.0%	86+34.56	-2.0%		-4.0%
			TO			
-4.0%		-2.0%	92+53.89	-2.0%		-4.0%
-4.0%		-0.2%	93+00.00	-2.0%		-4.0%
-4.0%		0.0%	93+04.89	-2.0%		-4.0%
-4.0%		1.8%	93+50.00	-2.0%		-4.0%
-4.0%		2.0%	93+55.89	-2.0%		-4.0%
-4.0%		2.2%	93+60.89	-2.2%		-4.0%
			TO			
-4.0%		2.2%	101+96.62	-2.2%		-4.0%
-4.0%		2.1%	102+00.00	-2.1%		-4.0%
-4.0%		2.0%	102+01.62	-2.0%		-4.0%
-4.0%		0.1%	102+50.00	2.0%		-4.0%
-4.0%		0.0%	102+52.62	-2.0%		-4.0%
-4.0%		-1.9%	103+00.00	-2.0%		-4.0%
-4.0%		-2.0%	103+03.62	-2.0%		-4.0%
			TO			
-4.0%		-2.0%	173+38.96	-2.0%		-4.0%

ROUTE 9 (CONTINUED)						
LT. SHOULDER	LT. AUXILLARY	LT TRAVELWAY	STATION	RT. TRAVELWAY	RT. AUXILLARY	RT. SHOULDER
-4.0%		-2.0%	173+50.00	-1.6%		-4.0%
-4.0%		-2.0%	173+89.96	0.0%		-4.0%
-4.0%		-2.0%	174+00.00	4.0%		-4.0%
-4.0%		-2.0%	174+40.96	2.0%		-4.0%
-4.0%		-2.2%	174+45.96	2.2%		-4.0%
			TO			
-4.0%		-2.2%	194+74.11	2.2%		-4.0%
-4.0%		-2.0%	194+79.11	2.0%		-4.0%
-4.0%		-2.0%	195+00.00	1.2%		-4.0%
-4.0%		-2.0%	195+30.11	0.0%		-4.0%
-4.0%		-2.0%	195+50.00	-0.8%		-4.0%
-4.0%		-2.0%	195+81.11	-2.0%		-4.0%
			TO			
-4.0%		-2.0%	203+85.08	-2.0%		-4.0%
-4.0%		-1.4%	204+00.00	-2.0%		-4.0%
-4.0%		0.0%	204+36.08	-2.0%		-4.0%
-4.0%		0.5%	204+50.00	-2.0%		-4.0%
-4.0%		2.0%	204+87.08	-2.0%		-4.0%
			TO			
-4.0%		2.0%	237+83.48	-2.0%		-4.0%
-4.0%		1.4%	238+00.00	-2.0%		-4.0%
-4.0%		0.0%	238+34.48	-2.0%		-4.0%
-4.0%		-0.6%	238+50.00	-2.0%		-4.0%
-4.0%		-2.0%	238+85.48	-2.0%		-4.0%
			TO			
-4.0%		-2.0%	247+26.10	-2.0%		-4.0%
-4.0%		-2.0%	247+50.00	-1.1%		-4.0%
-4.0%		-2.0%	247+77.10	0.0%		-4.0%
-4.0%		-2.0%	248+00.00	0.9%		-4.0%
-4.0%		-2.0%	248+28.10	2.0%		-4.0%
-4.0%		-2.4%	248+38.10	2.4%		-4.0%
			TO			
-4.0%		-2.4%	259+06.42	2.4%		-4.0%
-4.0%		-2.0%	259+16.42	2.0%		-4.0%
-4.0%		-2.0%	259+50.00	0.7%		-4.0%
-4.0%		-2.0%	259+67.42	0.0%		-4.0%
-4.0%		-2.0%	260+00.00	-1.3%		-4.0%
-4.0%		-2.0%	260+18.42	-2.0%		-4.0%
			TO			
-4.0%		-2.0%	273+24.70	-2.0%		-4.0%
-4.0%		-1.0%	273+50.00	-2.0%		-4.0%
-4.0%		0.0%	273+75.70	-2.0%		-4.0%
-4.0%		1.0%	274+00.00	-2.0%		-4.0%
-4.0%		2.0%	274+26.70	-2.0%		-4.0%
-4.0%		2.9%	274+50.00	-2.9%		-4.0%
-2.0%		4.8%	274+98.70	-4.8%		-4.8%
			TO			
-2.0%		4.8%	298+39.10	-4.8%		-4.8%
-2.0%		4.4%	298+50.00	-4.4%		-4.4%
-4.0%		2.4%	299+00.00	-2.4%		-4.0%
-4.0%		2.0%	299+11.10	-2.0%		-4.0%
-4.0%		0.5%	299+50.00	-2.0%		-4.0%
-4.0%		0.0%	299.62.10	-2.0%		-4.0%
-4.0%		-1.4%	300+00.00	-2.0%		-4.0%
-4.0%		-2.0%	300+13.10	-2.0%		-4.0%
			TO			
-4.0%		-2.0%	345+50.00	-2.0%		-4.0%

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00

P.E. NUMBER

SIGNATURE

DATE

	BY	DATE
PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	D.PRIDE	SEP. 2021
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

SUPERELEVATION TABLES

SHEET NUMBER

G15

OF 24

Filename: ...\G15_Superevelations.dgn Division: HIGHWAY Username: common Date:9/27/2021

SUPERELEVATION TABLES

RAMP A			
LT. SHOULDER	TRAVELWAY	STATION	RT. SHOULDER
		START	
-	-4.8%	600+00.00	-2.0%
-	-3.6%	600+27.00	-3.4%
-	-3.6%	600+50.00	-4.0%
		TO	
-	-3.6%	602+22.16	-4.0%
-	-3.8%	602+26.16	-4.0%
		TO	
-	-3.8%	605+18.82	-4.0%
-	-2.4%	605+50.00	-4.0%
-	-0.1%	606+00.00	-4.0%
-	0.0%	606+02.82	-4.0%
-	2.0%	606+46.82	-4.0%
		TO	
-4.0%	2.0%	609+62.89	-4.0%
		TO	
-4.0%	2.0%	615+00.00	-4.0%
-2.0%	2.0%	615+50.00	-4.0%
0.0%	2.0%	616+00.00	-4.0%
2.0%	2.0%	616+50.00	-4.0%
3.6%	3.6%	617+00.00	-4.0%
4.7%	4.7%	617+25.00	-4.0%
MATCH	EXISTING	617+30.84	MATCH

RAMP B			
LT. SHOULDER	TRAVELWAY	STATION	RT. SHOULDER
		START	
-2.0%	-5.0%	4004+00.00	-5.0%
		TO	
-2.0%	-5.0%	4004+31.66	-5.0%
-2.0%	-5.8%	4004+45.66	-5.8%
		TO	
-2.0%	-5.8%	4006+60.13	-5.8%
-2.0%	-4.6%	4006+81.13	-4.6%
		TO	
-2.0%	-4.6%	4019+33.79	-4.6%

RAMP C			
LT. SHOULDER	TRAVELWAY	STATION	RT. SHOULDER
		START	
-2.0%	5.8%	3012+00.00	-5.8%
		TO	
-2.0%	5.8%	3012+22.86	-5.8%
-2.0%	5.4%	3012+30.86	-5.4%
		TO	
-2.0%	5.4%	3014+26.53	-5.4%
-2.0%	4.8%	3014+50.00	4.8%
-2.0%	4.6%	3014+59.53	-4.6%
		TO	
-2.0%	4.6%	3018+00.00	-4.6%
-2.0%	4.6%	3018+50.00	-4.6%
-	4.6%	3019+00.00	-4.6%
-	4.6%	3019+50.00	-4.6%
-	4.6%	3021+04.66	-4.6%
-	4.1%	3021+17.06	-4.1%

RAMP D			
AUX. LANES	TRAVELWAY	STATION	RT. SHOULDER
		START	
-	3.9%	900+00.00	-4.0%
-	4.6%	900+50.00	-4.6%
		TO	
-	4.6%	903+00.00	-4.6%
-0.2%	4.6%	903+50.00	-4.6%
-2.0%	6.0%	903+98.55	-6.0%
		TO	
-2.0%	6.0%	908+32.63	-6.0%
-2.0%	5.0%	908+50.00	-5.0%
-4.0%	2.3%	909+00.00	-4.0%
-4.0%	0.0%	909+41.63	-4.0%
-4.0%	-0.5%	909+50.00	-4.0%
-4.0%	-3.4%	910+00.00	-2.6%
-4.0%	-4.0%	910+10.43	-2.0%
-5.0%	-5.0%	910+27.63	-2.0%
		TO	
-5.0%	-5.0%	911+95.83	-2.0%
-5.2%	-5.2%	912+00.00	-2.0%
-5.4%	-5.4%	912+02.83	-2.0%
		TO	
-5.4%	-5.4%	914+54.00	-2.0%
-4.0%	-4.0%	914+78.11	-2.0%
-4.0%	-2.7%	915+00.00	-3.3%
-4.0%	-2.1%	915+11.11	-4.0%
-4.0%	0.0%	915+47.00	-4.0%
-4.0%	0.2%	915+50.00	-4.0%
-3.0%	3.1%	916+00.00	-4.0%
-2.0%	6.0%	916+50.00	-6.0%

RAMP E			
LT. SHOULDER	TRAVELWAY	STATION	RT. SHOULDER
		START	
-	4.1%	700+00.00	-4.1%
-	4.6%	700+50.00	-4.6%
		TO	
-	4.6%	701+00.00	-4.6%
-	3.2%	701+50.00	-4.0%
-	2.0%	702+00.00	-4.0%
		TO	
2.0%	2.0%	703+00.00	-4.0%
-0.5%	4.0%	703+50.00	-4.0%
-2.0%	5.5%	703+81.15	-5.5%
-2.0%	6.0%	703+95.55	-6.0%
		TO	
-	6.0%	708+80.22	-6.0%
-	6.0%	713+15.62	-6.0%
		TO	
-2.0%	6.0%	716+75.63	-6.0%
-2.0%	4.7%	717+00.00	-4.7%
		TO	
-	4.7%	718+00.00	-4.7%
-	3.1%	718+50.00	-4.0%
-	1.5%	719+00.00	-4.0%
-	1.5%	719+50.00	-4.0%
-	2.3%	720+00.00	-4.0%
-	3.0%	720+50.00	-4.0%
		TO	
-	3.0%	721+00.00	-4.0%

JUGHANDLE	
TRAVELWAY	STATION
	START
2.6%	5000+80.07
3.9%	5001+00.00
6.0%	5001+31.89
	TO
6.0%	5002+51.13
5.4%	5002+60.93
	TO
5.4%	5003+68.65
3.6%	5004+00.00
MATCH	5004+48.65

RAMP F			
LT. SHOULDER	TRAVELWAY	STATION	RT. SHOULDER
		START	
-	-	801+00.00	-
-4.0%	-2.0%	801+50.00	-4.0%
-4.0%	-2.9%	802+00.00	-4.0%
-4.0%	-3.8%	802+50.00	-4.0%
-	-4.6%	803+00.00	-2.0%
-	-5.4%	803+50.00	-2.0%
-	-6.0%	803+85.30	-2.0%
		TO	
-	-6.0%	807+23.20	-2.0%
-	-4.7%	807+50.00	-2.3%
-	-2.1%	808+00.00	-3.2%
-	0.5%	808+50.00	-4.0%
-	2.6%	808+92.07	-4.0%
-2.3%	3.0%	809+00.00	-4.0%
-2.0%	5.6%	809+50.00	-5.6%
-2.0%	6.0%	809+57.20	-6.0%
		TO	
-2.0%	6.0%	813+00.00	-6.0%
-0.6%	5.6%	813+50.00	-5.6%
-	5.6%	814+00.00	-5.6%
-		TO	
	5.6%	814+50.00	-5.6%
-	3.6%	815+00.00	-4.0%
-	1.6%	815+50.00	-4.0%
-	1.0%	815+67.18	-4.0%

ROUTE 9 BUSINESS				
LT. SHOULDER	LT. TRAVELWAY	STATION	RT. TRAVELWAY	RT. SHOULDER
		START		
-4.0%	-2.0%	403+50.00	-2.0%	-4.0%
		TO		
-4.0%	-2.0%	405+00.00	-2.0%	-4.0%
-4.0%	0.0%	405+50.00	-3.0%	-4.0%
-4.0%	2.0%	406+00.00	-4.0%	-4.0%
-2.0%	4.0%	406+50.00	-5.0%	-5.0%
-2.0%	6.0%	407+00.00	-6.0%	-6.0%
		TO		
-2.0%	6.0%	408+50.00	-6.0%	-6.0%
-3.0%	5.0%	409+00.00	-5.0%	-5.0%
-4.0%	3.9%	409+50.00	-3.9%	-4.0%
-4.0%	2.9%	410+00.00	-2.9%	-4.0%
-4.0%	1.8%	410+50.00	-1.8%	-4.0%
-4.0%	0.8%	411+00.00	-0.8%	-4.0%
-3.3%	-0.2%	411+50.00	0.2%	-4.0%

OLD ROUTE 9				
LT. SHOULDER	LT TRAVELWAY	STATION	RT TRAVELWAY	RT. SHOULDER
		START		
-1.3%	4.0%	6003+45.54	-8.0%	-7.0%
-1.0%	3.9%	6003+50.00	-7.7%	-6.8%
1.6%	2.1%	6004+00.00	-4.8%	-4.8%
0.3%	0.3%	6004+50.00	-1.8%	-1.8%

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00

PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	D.PRIDE		SEP. 2021
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

SUPERELEVATION TABLES

SHEET NUMBER

G16

OF 24

Filename: ...\G16_Superevelations.dgn Division: HIGHWAY Username: common Date:9/27/2021

ESTIMATED QUANTITIES			
ITEM NO.	DESCRIPTION	QUANTITY	UNIT
201.11	CLEARING	63	AC
201.23	REMOVING SINGLE TREE TOP ONLY	40	EA
201.24	REMOVING STUMP	40	EA
202.01	REMOVING STRUCTURES AND OBSTRUCTIONS	1	LS
202.08	REMOVING BUILDING NO. 1: STA. 178+00 LT	1	LS
202.08	REMOVING BUILDING NO. 2: STA. 197+00 RT	1	LS
202.08	REMOVING BUILDING NO. 3: STA. 197+00 RT	1	LS
202.08	REMOVING BUILDING NO. 4: STA. 211+80 LT	1	LS
202.08	REMOVING BUILDING NO. 5: STA. 225+00	1	LS
202.08	REMOVING BUILDING NO. 6: STA. 241+00 RT	1	LS
202.08	REMOVING BUILDING NO. 7: STA. 304+00 RT	1	LS
202.202	REMOVING PAVEMENT SURFACE	1,660	SY
202.31	PROFILE MILLING CONCRETE WEARING SURFACE	780	SY
203.20	COMMON EXCAVATION	662,900	CY
203.21	ROCK EXCAVATION	66,300	CY
203.211	PRESPLITTING ROCK	9,200	LF
203.213	DRILLING & BLASTING OF SOLID ROCK	11,300	SY
203.25	GRANULAR BORROW	7,560	CY
203.33	SPECIAL FILL	331	CY
203.4338	LIGHTWEIGHT FILL FOAMED GLASS AGGREGATE	77,000	CY
203.55	CULVERT BEDDING STONE	1,380	CY
206.082	STRUCTURAL EARTH EXCAVATION - MAJOR STRUCTURES	3,840	CY
209.29	VERTICAL DRAINAGE WICKS	826,000	LF
211.45	SAND BLANKET	89,000	CY
304.10	AGGREGATE SUBBASE COURSE - GRAVEL	168,350	CY
401.10	HOT MIX ASPHALT CONTINUOUS THERMAL PROFILING	1	LS
403.2072	19 MM ASPHALT RICH BASE MIXTURE	16,300	T
403.2081	12.5 MM POLYMER MODIFIED HOT MIX ASPHALT	19,000	T
403.209	HOT MIX ASPHALT 9.5 MM (SIDEWALKS, DRIVES, ISLANDS, & INCIDENTALS)	400	T
403.211	HOT MIX ASPHALT (SHIMMING)	500	T
403.2131	12.5 MM POLYMER MODIFIED HMA BASE	29,950	T
403.41	PASS MAPPING TECHNOLOGY FOR ASPHALT APPLICATION	1	LS
409.15	SBITUMINOUS TACK COAT - APPLIED	15,545	G
501.231	DYNAMIC LOADING TEST	6	EA
501.50	STEEL H-BEAM PILES 89 LBS/FT. DELIVERED	1,580	LF
501.501	STEEL H-BEAM PILES 89 LBS/FT. IN PLACE	1,580	LF
501.502	ROCK SOCKETED H-PILES	250	LF
501.54	STEEL H-BEAM PILES 117 LBS/FT. DELIVERED	1,030	LF
501.541	STEEL H-BEAM PILES 117 LBS/FT. IN PLACE	746	LF
501.804	DRILLING EQUIPMENT MOBILIZATION	1	LS
501.90	PILE TIPS	47	EA
501.903	PILE TIPS - ROCK INJECTOR POINT	10	EA
501.91	PILE SPLICES	69	EA
501.92	PILE DRIVING EQUIPMENT MOBILIZATION: EATON BROOK	1	LS
502.219	STRUCTURAL CONCRETE, ABUTMENTS AND RETAINING WALLS: FELTS BROOK	1	LS
502.219	STRUCTURAL CONCRETE, ABUTMENTS AND RETAINING WALLS: EASTERN AVE	1	LS
502.219	STRUCTURAL CONCRETE, ABUTMENTS AND RETAINING WALLS: EATON BROOK	1	LS
502.219	STRUCTURAL CONCRETE, ABUTMENTS AND RETAINING WALLS: CLEWLEYVILLE ROAD	1	LS
502.219	STRUCTURAL CONCRETE, ABUTMENTS AND RETAINING WALLS: LEVENSELLER ROAD	1	LS
502.219	STRUCTURAL CONCRETE, ABUTMENTS AND RETAINING WALLS: LAMBERT ROAD	1	LS
502.26	STRUCTURAL CONCRETE ROADWAY AND SIDEWALK SLABS ON STEEL BRIDGES: EASTERN AVE	1	LS
502.26	STRUCTURAL CONCRETE ROADWAY AND SIDEWALK SLABS ON STEEL BRIDGES: EATON BROOK	1	LS
502.26	STRUCTURAL CONCRETE ROADWAY AND SIDEWALK SLABS ON STEEL BRIDGES: LAMBERT ROAD	1	LS
502.26	STRUCTURAL CONCRETE ROADWAY AND SIDEWALK SLABS ON STEEL BRIDGES: CLEWLEYVILLE ROAD	1	LS
502.26	STRUCTURAL CONCRETE ROADWAY AND SIDEWALK SLABS ON STEEL BRIDGES: LEVENSELLER ROAD	1	LS
502.291	SAW CUT GROOVING	1	LS
502.31	STRUCTURAL CONCRETE APPROACH SLABS: EASTERN AVE	1	LS
502.31	STRUCTURAL CONCRETE APPROACH SLABS: EATON BROOK	1	LS
502.31	STRUCTURAL CONCRETE APPROACH SLABS: LAMBERT ROAD	1	LS
502.31	STRUCTURAL CONCRETE APPROACH SLABS: CLEWLEYVILLE ROAD	1	LS
502.31	STRUCTURAL CONCRETE APPROACH SLABS: LEVENSELLER ROAD	1	LS
502.49	STRUCTURAL CONCRETE CURBS AND SIDEWALKS: EASTERN AVE	1	LS
502.49	STRUCTURAL CONCRETE CURBS AND SIDEWALKS: EATON BROOK	1	LS
502.49	STRUCTURAL CONCRETE CURBS AND SIDEWALKS: LAMBERT ROAD	1	LS
502.49	STRUCTURAL CONCRETE CURBS AND SIDEWALKS: CLEWLEYVILLE ROAD	1	LS
502.49	STRUCTURAL CONCRETE CURBS AND SIDEWALKS: LEVENSELLER ROAD	1	LS
502.565	CONCRETE FILL	40	CY
503.12	REINFORCING STEEL, FABRICATED AND DELIVERED	54,794	LB
503.13	REINFORCING STEEL, PLACING	54,794	LB
503.26	STAINLESS STEEL REINFORCEMENT - FABRICATED & DELIVERED	454,668	LB
503.27	STAINLESS STEEL REINFORCEMENT - PLACING	454,668	LB
504.702	STRUCTURAL STEEL FABRICATED AND DELIVERED, WELDED: EASTERN AVE	1	LS
504.702	STRUCTURAL STEEL FABRICATED AND DELIVERED, WELDED: EATON BROOK	1	LS
504.702	STRUCTURAL STEEL FABRICATED AND DELIVERED, WELDED: LAMBERT ROAD	1	LS
504.702	STRUCTURAL STEEL FABRICATED AND DELIVERED, WELDED: CLEWLEYVILLE ROAD	1	LS
504.702	STRUCTURAL STEEL FABRICATED AND DELIVERED, WELDED: LEVENSELLER ROAD	1	LS
504.71	STRUCTURAL STEEL ERECTION: EASTERN AVE	1	LS
504.71	STRUCTURAL STEEL ERECTION: EATON BROOK	1	LS
504.71	STRUCTURAL STEEL ERECTION: LAMBERT ROAD	1	LS
504.71	STRUCTURAL STEEL ERECTION: CLEWLEYVILLE ROAD	1	LS
504.71	STRUCTURAL STEEL ERECTION: LEVENSELLER	1	LS
505.08	SHEAR CONNECTORS: EASTERN AVE	1	LS
505.08	SHEAR CONNECTORS: EATON BROOK	1	LS
505.08	SHEAR CONNECTORS: LAMBERT ROAD	1	LS
505.08	SHEAR CONNECTORS: CLEWLEYVILLE ROAD	1	LS
505.08	SHEAR CONNECTORS: LEVENSELLER ROAD	1	LS

ESTIMATED QUANTITIES			
ITEM NO.	DESCRIPTION	QUANTITY	UNIT
506.9104	THERMAL SPRAY COATING - SHOP APPLIED: EASTERN AVE	1	LS
506.9104	THERMAL SPRAY COATING - SHOP APPLIED: EATON BROOK	1	LS
506.9104	THERMAL SPRAY COATING - SHOP APPLIED: LAMBERT ROAD	1	LS
506.9104	THERMAL SPRAY COATING - SHOP APPLIED: CLEWLEYVILLE ROAD	1	LS
506.9104	THERMAL SPRAY COATING - SHOP APPLIED: LEVENSELLER ROAD	1	LS
507.0821	STEEL BRIDGE RAILING, 3 BAR: EASTERN AVE	1	LS
507.0821	STEEL BRIDGE RAILING, 3 BAR: EATON BROOK	1	LS
507.0821	STEEL BRIDGE RAILING, 3 BAR: LAMBERT ROAD	1	LS
507.0821	STEEL BRIDGE RAILING, 3 BAR: CLEWLEYVILLE ROAD	1	LS
507.0821	STEEL BRIDGE RAILING, 3 BAR: LEVENSELLER ROAD	1	LS
507.0822	STEEL APPROACH RAILING, 3-BAR	20	EA
508.13	SHEET WATERPROOFING MEMBRANE: FELTS BROOK	1	LS
508.13	SHEET WATERPROOFING MEMBRANE: FELTS TRIBUTARY	1	LS
508.13	SHEET WATERPROOFING MEMBRANE: SNOW SCOOTER	1	LS
508.13	SHEET WATERPROOFING MEMBRANE: CRITTER CROSSING #1	1	LS
508.13	SHEET WATERPROOFING MEMBRANE: EATON TRIBUTARY	1	LS
508.13	SHEET WATERPROOFING MEMBRANE: WHITE TAIL CROSSING	1	LS
508.13	SHEET WATERPROOFING MEMBRANE: SNOW SLED	1	LS
508.13	SHEET WATERPROOFING MEMBRANE: CRITTER CROSSING #2	1	LS
508.14	HIGH PERFORMANCE WATERPROOFING MEMBRANE: EATON BROOK	1	LS
508.14	HIGH PERFORMANCE WATERPROOFING MEMBRANE: LAMBERT ROAD	1	LS
511.07	COFFERDAM: EATON BROOK ABUTMENT UPSTREAM	1	LS
511.07	COFFERDAM: EATON BROOK ABUTMENT DOWNSTREAM	1	LS
511.07	COFFERDAM: FELTS BROOK UPSTREAM	1	LS
511.07	COFFERDAM: FELTS BROOK DOWNSTREAM	1	LS
511.07	COFFERDAM: FELTS TRIBUTARY UPSTREAM	1	LS
511.07	COFFERDAM: FELTS TRIBUTARY DOWNSTREAM	1	LS
511.07	COFFERDAM: EATON TRIBUTARY UPSTREAM	1	LS
511.07	COFFERDAM: EATON TRIBUTARY DOWNSTREAM	1	LS
511.07	COFFERDAM: CRITTER CROSSING #2 UPSTREAM	1	LS
511.07	COFFERDAM: CRITTER CROSSING #2 DOWNSTREAM	1	LS
512.081	FRENCH DRAINS: EASTERN AVE	1	LS
512.081	FRENCH DRAINS: CLEWLEYVILLE ROAD	1	LS
512.081	FRENCH DRAINS: LEVENSELLER ROAD	1	LS
515.21	PROTECTIVE COATING FOR CONCRETE SURFACES: EASTERN AVE	1	LS
515.21	PROTECTIVE COATING FOR CONCRETE SURFACES: EATON BROOK	1	LS
515.21	PROTECTIVE COATING FOR CONCRETE SURFACES: LAMBERT ROAD	1	LS
515.21	PROTECTIVE COATING FOR CONCRETE SURFACES: CLEWLEYVILLE ROAD	1	LS
515.21	PROTECTIVE COATING FOR CONCRETE SURFACES: LEVENSELLER ROAD	1	LS
519.60	EXPANSION DEVICE - ASPHALTIC PLUG JOINT	166	LF
523.52	BEARING INSTALLATION	30	EA
523.5401	LAMINATED ELASTOMERIC BEARINGS, FIXED	15	EA
523.5402	LAMINATED ELASTOMERIC BEARINGS, EXPANSION	15	EA
534.7101	PRECAST CONCRETE BOX CULVERT - STATE SUPPLIED: FELTS BROOK	1	LS
534.7101	PRECAST CONCRETE BOX CULVERT - STATE SUPPLIED: FELTS TRIBUTARY	1	LS
534.7101	PRECAST CONCRETE BOX CULVERT - STATE SUPPLIED: SNOW SCOOTER	1	LS
534.7101	PRECAST CONCRETE BOX CULVERT - STATE SUPPLIED: CRITTER CROSSING #1	1	LS
534.7101	PRECAST CONCRETE BOX CULVERT - STATE SUPPLIED: EATON TRIBUTARY	1	LS
534.7101	PRECAST CONCRETE BOX CULVERT - STATE SUPPLIED: WHITE TAIL CROSSING	1	LS
534.7101	PRECAST CONCRETE BOX CULVERT - STATE SUPPLIED: SNOW SLED	1	LS
534.7101	PRECAST CONCRETE BOX CULVERT - STATE SUPPLIED: CRITTER CROSSING #2	1	LS
603.16	15 INCH CULVERT PIPE OPTION I	40	LF
603.17	18 INCH CULVERT PIPE OPTION I	306	LF
603.175	18 INCH REINFORCED CONCRETE PIPE CLASS III	608	LF
603.1753	18 INCH REINFORCED CONCRETE PIPE CLASS V	124	LF
603.179	18 INCH CULVERT PIPE OPTION III	50	LF
603.195	24 INCH REINFORCED CONCRETE PIPE CLASS III	664	LF
603.199	24 INCH CULVERT PIPE OPTION III	12	LF
603.209	30 INCH CULVERT PIPE OPTION III	300	LF
603.215	36 INCH REINFORCED CONCRETE PIPE CLASS III	1,520	LF
603.279	72 INCH CULVERT PIPE OPTION III	112	LF
603.41	24 INCH REINFORCED CONCRETE PIPE CLASS IV	136	LF
603.43	36 INCH REINFORCED CONCRETE PIPE CLASS IV	312	LF
603.471	60 INCH REINFORCED CONCRETE PIPE CLASS V	112	LF
603.491	72 INCH REINFORCED CONCRETE PIPE, CLASS V	284	LF
603.53	96 INCH REINFORCED CONCRETE PIPE - CLASS IV	152	LF
603.55	CONCRETE PIPE TIES	82	GP
604.091	CATCH BASIN TYPE BI-P	1	EA
604.092	CATCH BASIN TYPE BI-C	3	EA
604.1581	UTILITY VAULT - LAMBERT ROAD	1	LS
605.09	6 INCH UNDERDRAIN TYPE B	1,341	LF
605.13	18 INCH UNDERDRAIN TYPE C	150	LF
606.1301	31" W-BM GR, MID-WAY SPLICE-SGL FACED	17,580	LF
606.1303	31" W-BM GR, MID-WAY SPLICE-15' RAD AND LESS	75	LF
606.1304	31" W-BM GR, MID-WAY SPLICE-OVER 15' RAD	32	LF
606.1305	31" W-BM GR, MID-WAY SPLICE FLARED TERMINAL	36	EA
606.1721	BRIDGE TRANSITION - TYPE I	20	EA
606.256	TERMINAL CONNECTOR CORROSION RESISTANT STEEL	10	EA
606.353	REFLECTORIZED FLEXIBLE GUARDRAIL MARKER	97	EA
606.356	UNDERDRAIN DELINEATOR POST	10	EA
606.47	SINGLE WOOD POST	4	EA
606.80	BURIED-IN-SLOPE GUARDRAIL END	2	EA
606.95	LOW MAINTENANCE/ SELF RESTORING CRASH CUSHION	1	EA
607.09	WOVEN WIRE FENCE - METAL POSTS	57,350	LF
607.093	DEER ESCAPE JUMP OUT	16	EA
	(CONTINUED)		

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00

SIGNATURE

P.E. NUMBER

DATE

PROJ. MANAGER	R. MOULTON	DATE	
DESIGN-DETAILED	D.PRIDE	SEP. 2021	
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

ESTIMATED QUANTITIES

SHEET NUMBER

G17

OF 24

Filename: ...\G17_Estimate - 1 OF 2.dgn Division: HIGHWAY Username: common Date:10/1/2021

ESTIMATED QUANTITIES			
ITEM NO.	DESCRIPTION	QUANTITY	UNIT
607.15	DRIVE GATEWAY 16 FOOT - METAL	2	EA
607.184	CHAIN LINK SNOW FENCE 3 FOOT	400	LF
607.32	BRACING ASSEMBLY TYPE I - METAL POSTS	71	EA
607.33	BRACING ASSEMBLY TYPE II - METAL POSTS	126	EA
607.491	DRIVE GATEWAY - 36' METAL	2	EA
609.21	CONCRETE SLIPFORM CURB	1,244	LF
609.221	TERMINAL CURB TYPE I	24	LF
610.08	PLAIN RIPRAP	4,649	CY
610.18	STONE DITCH PROTECTION	500	CY
610.213	VOID FILLED RIPRAP	1,201	CY
610.46	STONE BERM LEVEL LIP SPREADER	112	CY
613.319	EROSION CONTROL BLANKET	18,400	SY
613.40	TURF REINFORCEMENT MAT - (TRM)	468	SY
615.07	LOAM	1,000	CY
615.081	COMPOST BLANKET	1,568	CY
615.10	DIRTY BORROW	22,800	CY
615.22	AMENDED FILTER BUFFER	16,195	SF
615.27	UNDERDRAIN SOIL FILTER	1	LS
618.13	SEEDING METHOD NUMBER 1	10	UN
618.14	SEEDING METHOD NUMBER 2	2,545	UN
618.143	SPECIAL SEED MIX: A	141	UN
618.1452	SPECIAL SEED MIX UNDERDRAIN SOIL FILTER	20	UN
618.146	HGM BIOTIC SOIL HYDROMULCH MEDIA	141	UN
618.147	WETLAND SEEDING	23	UN
619.12	MULCH	2,550	UN
619.14	EROSION CONTROL MIX	150	CY
620.54	STABILIZATION/REINFORCEMENT GEOTEXTILE	4,712	SY
620.58	EROSION CONTROL GEOTEXTILE	7,725	SY
620.65	REINFORCEMENT GEOGRID	1,601	SY
620.66	DRAINAGE GEOCOMPOSITE	69	SY
621.025	EVERGREEN TREES (3 FOOT - 4 FOOT) GROUP A	10	EA
621.026	EVERGREEN TREES (3 FOOT - 4 FOOT) GROUP B	10	EA
621.037	EVERGREEN TREES (5 FOOT - 6 FOOT) GROUP A	10	EA
621.038	EVERGREEN TREES (5 FOOT - 6 FOOT) GROUP B	10	EA
621.043	EVERGREEN TREES (6 FOOT - 8 FOOT) GROUP A	15	EA
621.044	EVERGREEN TREES (6 FOOT - 8 FOOT) GROUP B	10	EA
621.129	SM DECID TR (6' - 8') MULTI STEM CLUMP	10	EA
621.201	MEDIUM DECIDUOUS TREE (2 INCH - 2.50 INCH CALIPER) GROUP A	10	EA
621.54	DECIDUOUS SHRUBS (18 INCH - 24 INCH) GROUP A	10	EA
621.546	DECIDUOUS SHRUBS (2 FOOT - 3 FOOT) GROUP A	20	EA
621.552	DECIDUOUS SHRUBS (3 FOOT - 4 FOOT) GROUP A	20	EA
626.11	PRECAST CONCRETE JUNCTION BOX	27	EA
626.21	METALLIC CONDUIT	225	LF
626.22	NON-METALLIC CONDUIT: SIGNING & LIGHTING	11,500	LF
626.22	NON-METALLIC CONDUIT - 2"	25,750	LF
626.22	NON-METALLIC CONDUIT - 3"	25,500	LF
626.221	NON-METALLIC CONDUIT CONCRETE ENCASED	650	LF
626.251	NON-METALLIC UNDER PAVEMENT CONDUIT (SCHEDULE 80 OR GREATER RATING)	4,600	LF
626.35	CONTROLLER CABINET FOUNDATION	4	EA
626.36	REMOVE OR MODIFY CONCRETE FOUNDATION	25	EA
626.411	18 INCH DIAMETER FOUNDATION	154	LF
626.421	24 INCH DIAMETER FOUNDATION	209	LF
626.43	30 INCH DIAMETER FOUNDATION	603	LF
626.44	36 INCH DIAMETER FOUNDATION	20	LF
626.45	ELECTRICAL CONDUIT, WIRING, & TRENCHING	1	LS
626.46	48 INCH DIAMETER FOUNDATION	72.5	LF
627.733	4" WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE	300,000	LF
627.75	WHITE OR YELLOW PAVEMENT & CURB MARKING	10,000	SF
629.05	HAND LABOR, STRAIGHT TIME	300	HR
631.12	ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	400	HR
631.121	HEAVY DUTY ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	100	HR
631.13	BULLDOZER (INCLUDING OPERATOR)	100	HR
631.172	TRUCK - LARGE (INCLUDING OPERATOR)	400	HR
631.20	STUMP CHIPPER (INCLUDING OPERATOR)	25	HR
631.32	CULVERT CLEANER (INCLUDING OPERATOR)	25	HR
634.160	HIGHWAY LIGHTING	1	LS
634.2042	LED LUMINARIES	72	EA
634.210	CONVENTIONAL LIGHT STANDARD	68	EA
639.18	FIELD OFFICE TYPE A	2	EA
639.261	INSTRUMENTATION GEOTECHNICAL - TRADITIONAL SETTLEMENT PLATFO RM	1	LS
643.871	WEIGH-IN-MOTION SYSTEM	1	LS
643.97	WOOD POLES WITH GUYS AND SPAN WIRE	5	EA
645.103	DEMOUNT GUIDE SIGN	1	EA
645.106	DEMOUNT REGULATORY, WARNING, CONFIRMATION AND ROUTE MARKER ASSEMBLY SIGN	14	EA
645.108	DEMOUNT POLE	2	EA
645.113	REINSTALL GUIDE SIGN	1	EA
645.116	REINSTALL REGULATORY, WARNING, CONFIRMATION AND ROUTE MARKER ASSEMBLY SIGN	14	EA
645.118	REINSTALL POLE	2	EA
645.12	OVERHEAD GUIDE SIGN: STA. 11+40	1	LS
645.12	OVERHEAD GUIDE SIGN: STA. 1001+50	1	LS
645.12	OVERHEAD GUIDE SIGN: STA. 48+25	1	LS
645.12	OVERHEAD GUIDE SIGN: STA. 503+56.50 LT	1	LS
645.211	CLOSED CIRCUIT TELEVISION (CCTV)	1	EA
645.251	ROADSIDE GUIDE SIGNS, TYPE I	1,024	SF
645.271	REGULATORY, WARNING, CONFIRMATION AND ROUTE MARKER ASSEMBLY SIGNS, TYPE I	540	SF
645.289	STEEL H-BEAM POLES	10,000	LB

ESTIMATED QUANTITIES			
ITEM NO.	DESCRIPTION	QUANTITY	UNIT
645.292	REGULATORY, WARNING, CONFIRMATION AND ROUTE MARKER ASSEMBLY SIGNS TYPE II	500	SF
645.3065	FIBER OPTIC DELINEATOR	85	EA
652.312	TYPE III BARRICADE	12	EA
652.33	DRUM	250	EA
652.34	CONE	500	EA
652.35	CONSTRUCTION SIGNS	1,500	SF
652.36	MAINTENANCE OF TRAFFIC CONTROL DEVICES	1,000	CD
652.38	FLAGGER	15,000	HR
652.41	PORTABLE CHANGEABLE MESSAGE SIGN	8	EA
654.223	SEMI-PERMANENT PAD MOUNTED VARIABLE MESSAGE SIGN	3	EA
654.31	ITS EQUIPMENT CABINET	4	EA
654.311	FIBER ETHERNET SWITCH	5	EA
654.312	UNINTERRUPTIBLE POWER SUPPLY (UPS)	3	EA
654.332	COMMUNICATIONS DROP	1	LS
654.3331	FIBER OPTIC PATCH PANEL (12-POSITION)	5	EA
654.3332	SPLICE ENCLOSURE	10	EA
654.3332	SPLICE ENCLOSURE - SPAN WIRE MOUNTING	1	EA
654.3333	SINGLE MODE FIBER OPTIC CABLE - 12-STRAND	525	LF
654.3333	SINGLE MODE FIBER OPTIC CABLE - 24 STRAND	325	LF
654.3333	SINGLE MODE FIBER OPTIC CABLE - 48 STRAND	32,000	LF
654.3334	FIBER OPTIC SPLICE	430	EA
654.3335	FIBER OPTIC MANHOLE	25	EA
654.53	ROAD WEATHER INFORMATION SYSTEM	1	LS
656.75	TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	1	LS
659.10	MOBILIZATION	1	LS
660.21	ON-THE-JOB TRAINING (BID)	7,000	HR
677.20	MECHANICALLY STABILIZED EARTH RETAINING WALL	4,533	SF
822.36	12 INCH DUCTILE IRON PIPE	250	LF
822.37	16" DUCTILE IRON PIPE: EASTERN AVE	405	LF
823.325	8 INCH GATE VALVE: EASTERN AVE	2	EA
823.331	6 INCH GATE VALVE	2	EA
823.375	16" BUTTERFLY VALVE: EASTERN AVE	2	EA
824.3010	HYDRANT ASSEMBLY: EASTERN AVE	2	EA
825.5411	TEMPORARY WATER MAIN - 8" EASTERN AVE	1	LS
830.10	WATER MAIN BRIDGE CROSSING - 16" EASTERN AVE	1	LS
832.071	CONTRACTOR ALLOWANCE - EASTERN AVE	1	LS
	LEVENSELLER UTILITIES		
656.75	TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	1	LS
659.10	MOBILIZATION	1	LS
822.36	12 INCH DUCTILE IRON PIPE	250	LF
823.31	12 INCH GATE VALVE	2	EA
823.331	6 INCH GATE VALVE	2	EA
824.3010	HYDRANT ASSEMBLY	2	EA
825.5411	TEMPORARY WATER MAIN	1	LS
830.10	WATER MAIN BRIDGE CROSSING	1	LS
832.071	CONTRACTOR ALLOWANCE	1	LS
	LAMBERT UTILITIES		
910.301	SPECIAL WORK - UTILITY CONDUIT UNDERGROUND - LAMBERT	1	LS

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00

	BY	DATE
PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	D.PRIDE	SEP. 2021
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

ESTIMATED QUANTITIES

SHEET NUMBER

G18

OF 24

Filename: ...\G18_Estimate - 2 OF 2.dgn Division: HIGHWAY Username: common Date:9/27/2021

STATION	CULVERT PIPE							CATCH BASIN		UNDERDRAIN	ELBOWS, TEES, WYES, AND INLET GRATE UNITS	REMARKS
	RCP			OPTION I		OPTION III				TYPE B		
	SIZE	LENGTH	CLASS	SIZE	LENGTH	SIZE	LENGTH	B1-C	B1-P	LENGTH	DESCRIPTION	
ROADWAY CULVERT												
STA. 1+41.58, 16.3' LT TO STA. 1+41.58, 14.7' RT				18"	31'							
STA. 47+22.62, 42.0' RT TO STA. 47+83.50, 61.6' RT				18"	64'							
STA. 58+50.00, 70.0' LT TO STA. 58+50.00, 58.0' RT	24"	128'	III									REFER TO SPECIAL EMBANKMENT PLANS
STA. 66+61.13, 82.1' RT TO STA. 66+84.74, 68.0' LT	96"	152'	IV									REFER TO SPECIAL EMBANKMENT PLANS 24" SPECIAL FILL
STA. 83+79.43, 51.9' LT TO STA. 85+13.52, 49.5' RT	72"	168'	V									REFER TO SPECIAL EMBANKMENT PLANS 12" SPECIAL FILL
STA. 95+52.61, 47.2' RT TO STA. 96+12.68, 47.3' LT	60"	112'	V									12" SPECIAL FILL
STA. 117+34.93, 35.8' LT TO STA. STA. 117+34.93, 44.2' RT	24"	80'	III									
STA. 118+00.00, 39.6' LT TO STA. 118+00.00, 48.4' RT	18"	88'	III									
STA. 120+74.95, 38.7' LT TO STA. 120+74.96, 41.3' RT	18"	80'	III									
STA. 125+50.00, 39.8' LT TO STA. 125+50.00, 40.2' RT	18"	80'	III									
STA. 133+53.30, 51.6' LT TO STA. 134+17.20, 50.0' RT	72"	120'	V									30" SPECIAL FILL
STA. 138+15.00, 45.7' LT TO STA. 138+15.00, 50.3' RT	18"	96'	III									REFER TO SPECIAL EMBANKMENT PLANS
STA. 145+00.00, 47.5' LT TO STA. 145+00.00, 40.5' RT	24"	88'	IV									
STA. 166+50.00, 70.8' LT TO STA. 166+50.00, 73.1' RT	36"	144'	IV									REFER TO SPECIAL EMBANKMENT PLANS
STA. 167+00.00, 75.0' LT TO STA. 167+00.00, 77.0' RT	36"	152'	IV									REFER TO SPECIAL EMBANKMENT PLANS
STA. 180+80.31, 79.0' LT TO STA. 181+19.59, 81.0' RT	36"	160'	IV									REFER TO SPECIAL EMBANKMENT PLANS
STA. 182+00.00, 68.1' LT TO STA. 182+00.00, 75.8' RT	36"	144'	IV									REFER TO SPECIAL EMBANKMENT PLANS
STA. 193+00.00, 67.9' LT TO STA. 193+00.00, 68.1' RT	36"	136'	IV									
STA. 195+00.00, 65.8' LT TO STA. 195+00.00, 78.2' RT	36"	144'	IV									
STA. 196+00.00, 65.9' LT TO STA. 196+00.00, 62.1' RT	36"	128'	IV									
STA. 205+00.00, 63.4' LT TO STA. 205+00.00, 52.0' RT	30"	116'	III									
STA. 207+00.15, 51.1' LT TO CB #4, STA. 207+84.82, 85.0' LT						30"	116'					
STA. 221+88.00, 34.4' RT TO STA. 222+12.00, 34.2' RT				18"	24'							
STA. 252+00.00, 46.3' LT TO STA. 252+00.00, 49.7' RT	36"	96'	III									
STA. 264+50.00, 53.0' LT TO STA. 264+50.00, 58.4' RT	36"	112'	III									
STA. 268+25.00, 61.6' LT TO STA. 268+25.00, 74.3' RT	30"	136'	III									
STA. 288+00.00, 59.5' LT TO STA. 288+00.00, 68.5' RT	36"	128'	III									
STA. 298+42.14, 57.1' LT TO STA. 298+56.01, 54.1' RT	72"	112'	III									
STA. 314+50.00, 51.8' LT TO STA. 314+50.00, 52.2' RT	36"	104'	III									
STA. 316+00.00, 48.8' LT TO STA. 316+00.00, 45.2' RT	36"	96'	III									
STA. 326+94.48, 35.9' RT TO STA. 327+34.19, 36.0' RT				18"	40'							
STA. 334+52.88, 37.6' RT TO STA. 334+94.86, 36.1' RT				18"	40'							
STA. 336+01.94, 38.5' RT TO STA. 336+12.40, 40.8' LT	36"	80'	III									
STA. 337+42.00, 34.2' RT TO STA. 337+82.00, 34.2' RT				18"	40'							
STA. 344+88.74, 48.4' LT TO STA. 340+88.74, 47.6' RT	24"	96'	III									
STA. 404+35.94, 33.7' LT TO STA. 404+35.94, 34.3' RT	18"	68'	V									
STA. 406+48.00, 36.5' RT TO STA. 406+91.04, 37.1' RT				15"	40'							
STA. 408+99.47, 36.0' RT TO STA. 409+43.99, 44.4' LT	24"	92'	III									
STA. 715+75.00, 29.7' RT TO STA. 715+75.00, 66.2' LT	18"	96'	III									REFER TO SPECIAL EMBANKMENT PLANS
STA. 905+98.30, 63.4' RT TO STA. 906+01.13, 72.6' LT	24"	136'	IV									REFER TO SPECIAL EMBANKMENT PLANS
STA. 1011+48.32, 28.2' LT TO CB #1, STA. 1011+54.73, 16.4' LT	24"	12'	III									
CB #1, STA. 1011+54.73, 16.4' LT TO STA. 1011+96.83, 70.2' RT	24"	92'	III									
CB #2, STA. 1013+20.83, 12.9' LT. TO STA. 612+06.43, 28.2' RT	36"	84'	III									
CB #3, 1016+10.14, 6.5' LT TO STA. 614+76.06, 24.7' RT	24"	88'	III									
STA. 2012+84.60, 49.8' LT TO CB#2, STA. 2013+02.08, 13.9' RT	36"	64'	V									
STA. 3016+50.00, 34.5' LT TO STA. 3016+50.00, 21.6' RT	18"	56'	V									
STA. 3017+20.70 24.5' RT TO STA. 3017+77.71, 24.5' RT				18"	45'							
STA. 4013+39.33, 24.4' RT TO STA. 4013+34.94, 39.4' LT	36"	64'	III									
STA. 5003+08.21, 19.4' RT TO STA. 5003+16.49, 52.0' LT	18"	72'	III									
STA. 6000+66.74, 40.8' LT TO STA 6001+15.42, 39.3' LT						24"	50'					
STA. 6003+89.78, 56.3' RT TO STA. 6004+12.09, 68.8' RT				15"	35'							
STA. 6004+31.07, 36.9' RT TO STA. 6003+46.67, 40.1' LT	18"	100'	III									
CATCH BASINS												
CB#1, STA. 36+44.49, 0.0' / STA. 1011+54.73, 16.4' LT / STA. 2011+35.99, 17.9' RT								1				USE FLAT TOP
CB#2, STA. 38+10.60, 0.0' / STA. 1013+20.83, 12.9' LT / STA. 2013+02.08, 13.9' RT								1				USE FLAT TOP
CB#3, STA. 41+00.00, 0.0' / STA. 1016+10.14, 6.5' LT / STA. 2015+91.38, 7.1' RT								1				USE FLAT TOP
CB#4, STA. 207+84.82, 85.0' LT									1			PLASTIC TRASH RACK
UNDERDRAIN												
STA. 48+34.51, 31.0' RT TO STA. 51+50.00, 31.0' RT, OUTLET STA. 52+00.00, 51.3' RT										370'	45 DEGREE ELBOW	
STA. 2010+00.00, 34.7' LT TO STA. 2012+50.00, 55.0' LT										283'		
STA. 2011+39.51, 17.8' RT TO STA. 2013+00.61, 14.0' RT										163'		
STA. 2013+08.98, 13.8' RT TO STA. 2015+91.38, 7.1' RT										283'		
STA. 1013+34.34, 25.0' RT TO STA. 1016+09.41, 27.9' RT										272'		

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

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018915.00

SIGNATURE

P.E. NUMBER

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		BY	DATE
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FIELD CHANGES			

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

DRAINAGE SHEET

SHEET NUMBER

G19

OF 24

Username: common Division: HIGHWAY Date:10/5/2021

Filename: ...\G19_Drainage.dgn

Filename: ...\G20_GeneralNotes.dgn Division: HIGHWAY Username: common Date:9/27/2021

GENERAL NOTES

1. CLEARING LIMITS SHALL BE 10 FEET BEYOND AND PARALLEL TO THE CONSTRUCTION SLOPE LINES OR AS SHOWN ON THE PLANS UNLESS OTHERWISE AUTHORIZED BY THE RESIDENT.

2. THE CLEARING AND SELECTIVE CLEARING AND THINNING LINES SHOWN ON THE PLANS ARE FOR ESTIMATING PURPOSES ONLY. THE ACTUAL LINES FOR CLEARING AND THINNING SHALL BE ESTABLISHED IN THE FIELD BY THE CONTRACTOR AND APPROVED BY THE RESIDENT.

3. STUMP REMOVAL HAS BEEN ESTIMATED UNDER STANDARD SPECIFICATIONS ITEM 201.24, REMOVE STUMP. HOWEVER, WHERE DIRECTED BY THE RESIDENT, STANDARD SPECIFICATIONS ITEM 631.20, STUMP CHIPPER RENTAL (INCLUDING OPERATOR) MAY BE USED TO REMOVE STUMPS.

4. GRUBBING IN FILL AREAS HAS BEEN SHOWN ON THE CROSS SECTIONS AND THE QUANTITIES NOTED. THESE LIMITS ARE APPROXIMATE AND HAVE BEEN USED FOR ESTIMATING PURPOSES ONLY. ACTUAL GRUBBING LIMITS MAY VARY BASED ON FIELD CONDITIONS AS DIRECTED BY THE RESIDENT.

5. PRIOR TO REMOVING ANY PAVEMENT OR PLACING ANY SHIM PAVEMENT, THE ROADWAY WILL BE INSPECTED FOR POSSIBLE SUBSURFACE BOULDERS, WHICH WILL BE REMOVED AS DIRECTED BY THE RESIDENT. PAYMENT WILL BE MADE UNDER APPROPRIATE CONTRACT RENTAL ITEMS. BACKFILL WILL BE PLACED TO SUBGRADE WITH MATERIAL CONSISTENT WITH THE SURROUNDING MATERIAL. AGGREGATE SUBBASE COURSE GRAVEL WILL BE PLACED FROM SUBGRADE TO FINISH GRADE AND WILL BE PAID UNDER THE APPROPRIATE ITEM.

6. ALL INSLOPE AND DITCHES IN CUT AREAS SHALL BE GRADED AS SHOWN ON THE TYPICALS OR FLATTER, OR AS DIRECTED BY THE RESIDENT.

7. THE CONTRACTOR SHALL PLAN AND CONDUCT WORK SO THAT UPON COMPLETION OF THE PROJECT THERE IS NO DROP-OFF FROM THE EDGE OF THE SHOULDER PAVEMENT.

8. DRIVEWAY FILL SIDE SLOPES SHALL BE THE SAME AS THE FILL SIDE SLOPES WITHOUT GUARDRAIL UNLESS OTHERWISE NOTED ON THE PLANS.

9. ALL WASTE MATERIAL NOT USED ON THE PROJECT SHALL BE DISPOSED OF OFF THE PROJECT IN ACCEPTABLE WASTE AREAS REVIEWED BY THE RESIDENT. GRADING, SEEDING AND MULCHING OF WASTE AREAS SHALL BE CONSIDERED INCIDENTAL.

10. REQUIRED DITCH PROTECTION SHOWN ON THE PLANS OR IN THE CONSTRUCTION NOTES IS FOR ESTIMATING PURPOSES ONLY. THE ACTUAL TYPE AND LOCATION OF DITCH PROTECTION MAY BE ALTERED BY THE RESIDENT.

11. GRANULAR BORROW USED TO BACKFILL MUCK EXCAVATION OR IN LOW WET AREAS TO 1 FOOT ABOVE WATER LEVEL OR OLD GROUND SHALL MEET REQUIREMENTS FOR GRANULAR BORROW MATERIAL FOR UNDERWATER BACKFILL AS SPECIFIED IN STANDARD SPECIFICATIONS ITEM 703.19, GRANULAR BORROW.

12. EXISTING INSLOPES IN PROPOSED FILL AREAS SHALL BE BENCHED BY EXCAVATING STEPS OF SUFFICIENT WIDTH TO PERMIT PLACING AND COMPACTING THE FILL MATERIAL ALONG WITH THE MATERIAL REMOVED.

13. RESIDENTIAL PAVED ENTRANCES SHALL BE CONSTRUCTED WITH 2 INCHES OF HOT MIX ASPHALT AND 12 INCHES OF AGGREGATE SUBBASE COURSE GRAVEL.

14. COMMERCIAL PAVED ENTRANCES SHALL BE CONSTRUCTED WITH 3 INCHES OF HOT MIX ASPHALT AND 11 INCHES OF AGGREGATE SUBBASE COURSE GRAVEL.

15. GRAVEL ENTRANCES SHALL BE CONSTRUCTED WITH 14 INCHES OF AGGREGATE SUBBASE COURSE GRAVEL OR 11 INCHES OF AGGREGATE SUBBASE COURSE GRAVEL AND 3 INCHES OF UNTREATED AGGREGATE SURFACE COURSE UNLESS OTHERWISE NOTED IN THE PLANS OR DIRECTED BY THE RESIDENT.

16. A 3-FOOT PAVED LIP SHALL BE PLACED AT ALL UNPAVED ENTRANCES UNLESS OTHERWISE NOTED IN THE PLANS OR DIRECTED BY THE RESIDENT.

17. PRIOR TO SURFACE PAVING, EXISTING CULVERTS TO REMAIN SHALL BE CLEANED AS DIRECTED BY THE RESIDENT. PAYMENT WILL BE MADE UNDER STANDARD SPECIFICATIONS ITEM 631.32, CULVERT CLEANER (INCLUDING OPERATOR).

18. EXISTING CULVERTS AND CATCH BASINS WILL BE CLEANED AS DIRECTED BY THE RESIDENT UNDER THE APPROPRIATE PAY ITEMS.

19. NO EXISTING DRAINAGE SHALL BE ABANDONED, REMOVED OR PLUGGED WITHOUT PRIOR APPROVAL OF THE RESIDENT.

20. INLETS AND OUTLETS OF ALL CULVERTS SHALL BE RIPRAPPED UNLESS OTHERWISE NOTED ON THE PLANS OR DIRECTED BY THE RESIDENT.

21. FLAT TOPS FOR CATCH BASINS ARE NOT ALLOWED UNLESS NOTED ON THE PLANS OR DIRECTED BY THE RESIDENT.

22. PLASTIC END CAPS SHALL BE PLACED ON THE INLET END OF ALL DEAD-END 6-INCH TYPE B UNDERDRAIN AND SHALL BE CONSIDERED INCIDENTAL TO THIS ITEM.

23. ANY NECESSARY CUTTING OF EXISTING PIPES TO FIT IN AREAS OF PROPOSED CATCH BASINS WILL NOT BE PAID FOR SEPARATELY AND WILL BE CONSIDERED INCIDENTAL TO STANDARD SPECIFICATIONS SECTION 604, MANHOLES, INLETS AND CATCH BASINS.

24. ANY NECESSARY CUTTING OF EXISTING CATCH BASINS TO ALLOW FOR PROPOSED PIPE CONNECTIONS WILL NOT BE PAID FOR SEPARATELY AND WILL BE CONSIDERED INCIDENTAL TO STANDARD SPECIFICATIONS SECTION 603, PIPE CULVERTS AND STORM DRAINS OR STANDARD SPECIFICATIONS SECTION 605, UNDERDRAINS.

25. AS DIRECTED BY THE RESIDENT, ALL EXISTING UNDERDRAIN OUTLETS SHALL BE LOCATED, CLEANED OUT AND DITCHED AS REQUIRED OR REPLACED AS NECESSARY. PAYMENT WILL BE MADE UNDER APPROPRIATE CONTRACT ITEMS.

26. ALL UNDERDRAIN NOT SHOWN ON THE CROSS SECTIONS WILL HAVE A FLOW LINE OF 5.5 FEET BELOW FINISH GRADE DIRECTLY ABOVE THE UNDERDRAIN AND THE UNDERDRAIN SAND BACKFILL WILL BE PLACED TO AN ELEVATION EQUAL TO THE BOTTOM OF THE NEW GRAVEL LAYER. ALL UNDERDRAIN SHOWN ON THE CROSS SECTIONS WILL HAVE THE FLOW LINE SCALED FROM THE CROSS SECTIONS. ALL FLOW LINE ELEVATIONS ARE SUBJECT TO APPROVAL BY THE RESIDENT.

27. A 3-FOOT BY 3-FOOT SQUARE RIPRAP PAD SHALL BE CONSTRUCTED AT EACH UNDERDRAIN OUTLET.

28. EXISTING ABANDONED WATER MAINS BROKEN BY THE CONTRACTOR DURING CONSTRUCTION SHALL HAVE THE ENDS PLUGGED WITH BRICK AND MORTAR. COST FOR ALL LABOR AND MATERIAL WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO DIRECT PAYMENT WILL BE MADE.

29. GUARDRAIL END TREATMENTS SHALL BE INSTALLED CONCURRENTLY WITH THE PLACEMENT OF EACH SECTION OF BEAM GUARDRAIL.

30. ALL EXISTING GUARDRAIL REMOVED AND NOT REUSED ON THE PROJECT WILL BECOME THE PROPERTY OF THE CONTRACTOR. REMOVAL AND DISPOSAL SHALL BE CONSIDERED INCIDENTAL TO THE GUARDRAIL ITEMS.

31. TWO REFLECTORIZED FLEXIBLE GUARDRAIL MARKERS (STANDARD SPECIFICATIONS ITEM 606.353, REFLECTORIZED FLEXIBLE GUARDRAIL MARKER) WILL BE INSTALLED AT EACH GUARDRAIL END.

32. A DELINEATOR POST (STANDARD SPECIFICATIONS ITEM 606.356, UNDERDRAIN DELINEATOR POST) WILL BE INSTALLED AT EACH UNDERDRAIN OUTLET.

33. A DELINEATOR POST (STANDARD SPECIFICATIONS ITEM 606.356, UNDERDRAIN DELINEATOR POST) WILL BE INSTALLED AT EACH END OF EACH RUN OF BITUMINOUS CURB.

34. CONNECTIONS FOR PROPOSED GUARDRAIL TO EXISTING GUARDRAIL WILL BE CONSIDERED INCIDENTAL TO STANDARD SPECIFICATIONS SECTION 606, GUARDRAIL.

35. BACKING UP BITUMINOUS OR CONCRETE SLIPFORM CURB IS INCIDENTAL TO THE CURB ITEMS. IN AREAS WHERE NEW BITUMINOUS OR CONCRETE SLIPFORM CURB IS DESIGNATED TO REPLACE EXISTING, THE REMOVAL OF THE OLD BITUMINOUS OR CONCRETE SLIPFORM CURB SHALL BE INCIDENTAL TO THE NEW CURB. IF CALLED FOR ON THE PLANS OR DIRECTED BY THE RESIDENT, LOAM OR DIRTY BORROW WILL BE PAID FOR SEPARATELY.

36. LOAM HAS BEEN ESTIMATED FOR DISTURBED LAWN AREAS. ACTUAL PLACEMENT OF LOAM SHALL BE AS NOTED ON THE PLANS OR DESIGNATED BY THE RESIDENT.

37. DIRTY BORROW HAS BEEN ESTIMATED FOR ALL DISTURBED SLOPE AREAS OTHER THAN LAWN AREAS. ACTUAL PLACEMENT OF THE DIRTY BORROW SHALL BE AS NOTED ON THE PLANS OR DESIGNATED BY THE RESIDENT.

38. UNLESS OTHERWISE NOTED SEEDING METHOD NO. 1 SHALL BE UTILIZED ON ALL LAWNS AND DEVELOPED AREAS; SEEDING METHOD NO. 2 SHALL BE UTILIZED ON ALL OTHER AREAS.

39. LOAM SHALL BE PLACED TO A NOMINAL DEPTH OF 4 INCHES IN LAWN AREAS AND 2 INCHES IN ALL OTHER AREAS UNLESS OTHERWISE NOTED OR DIRECTED.

40. DIRTY BORROW SHALL BE PLACED TO A NOMINAL DEPTH OF 2 INCHES UNLESS OTHERWISE NOTED OR DIRECTED.

41. WHITE PAVEMENT/CURB MARKING (STANDARD SPECIFICATIONS ITEM 627.75, WHITE OR YELLOW PAVEMENT & CURB MARKING) SHALL BE APPLIED TO ALL ISLAND TAPERED ENDS.

42. THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING ALL EXISTING MAILBOXES TO ENSURE THAT THE MAIL WILL BE DELIVERABLE. PAYMENT FOR THIS WORK WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT

43. THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING ALL EXISTING OPERATIONAL BUSINESS DIRECTIONAL SIGNS (OBDS) TO ENSURE THAT THEY ARE VISIBLE TO THE TRAVELING PUBLIC. PAYMENT FOR THIS WORK WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

44. ANY DAMAGE TO THE SLOPES CAUSED BY THE CONTRACTOR'S EQUIPMENT, PERSONNEL, OR OPERATION SHALL BE REPAIRED TO THE SATISFACTION OF THE RESIDENT. ALL WORK, EQUIPMENT, AND MATERIALS REQUIRED TO MAKE REPAIRS SHALL BE AT THE CONTRACTOR'S EXPENSE.

45. THE PROJECT GEOTECHNICAL REPORTS CAN BE ACCESSED AT THE MAINEDOT WEBSITE HTTP://WWW.MAINE.GOV/MDOT/CONTRACTORS/.

46. GEOTECHNICAL INFORMATION FURNISHED OR REFERRED TO IN THE BID DOCUMENTS IS FOR THE USE OF THE BIDDERS. NO ASSURANCE IS GIVEN THAT THE INFORMATION OR INTERPRETATIONS WILL BE REPRESENTATIVE OF THE ACTUAL SUBSURFACE CONDITIONS THROUGHOUT THE CONSTRUCTION SITE. MAINEDOT WILL NOT BE RESPONSIBLE FOR ANY INTERPRETATIONS OR CONCLUSIONS DRAWN FROM THE GEOTECHNICAL INFORMATION. THE BORING LOGS PROVIDED IN THE BID DOCUMENTS (IF ANY) PRESENT FACTUAL AND INTERPRETIVE SUBSURFACE INFORMATION COLLECTED AT DISCRETE LOCATIONS. DATA PROVIDED MAY NOT BE REPRESENTATIVE OF THE SUBSURFACE CONDITIONS BETWEEN BORING LOCATIONS.

47. AREAS ON THE PROJECT REQUIRING FILL WILL COME FROM SUITABLE SITES SUCH AS EXCAVATION, DITCH AND INSLOPE OR EQUIPMENT RENTAL AREAS.

48. ESTIMATED QUANTITIES FOR REQUIRED STRUCTURAL EARTH EXCAVATION, DRAINAGE AND MINOR STRUCTURES ARE INFORMATIONAL ONLY AND REPRESENT THE APPROXIMATE MINIMUM QUANTITY REQUIRED TO INSTALL DRAINAGE STRUCTURES. ADDITIONAL EXCAVATION FOR THE CONTRACTOR'S CONVENIENCE OR TO COMPLY WITH BACKSLOPING REQUIREMENTS WILL NOT BE PAID FOR DIRECTLY BUT WILL BE CONSIDERED INCIDENTAL TO THE RELATED DRAINAGE ITEMS.

49. NO SEPARATE PAYMENT FOR SUPERINTENDENT OR FOREMAN WILL BE MADE FOR THE SUPERVISION OF EQUIPMENT AND LAYOUT OF WORK BEING PAID FOR UNDER THE EQUIPMENT RENTAL ITEMS.

50. "UNDETERMINED LOCATIONS" SHALL BE DETERMINED BY THE RESIDENT.

51. FINAL STRIPING FOR THE PROJECT SHALL BE DONE BY THE CONTRACTOR PER THE STRIPING LAYOUT IN THE CONTRACT DOCUMENTS OR AS PROVIDED BY THE DEPARTMENT. PAYMENT SHALL BE MADE UNDER APPROPRIATE CONTRACT ITEMS.

52. THE CONTRACTOR WILL PLACE APPROPRIATELY-MARKED STAKES AT THE FOLLOWING LOCATIONS ON THE PROJECT: STRIPING PATTERN CHANGES, CROSS-SLOPE CHANGES, AND EVERY 500 FEET FOR STATIONING. THE CONTRACTOR WILL PAINT EVERY FULL STATION (100 FEET) ON THE EXISTING ROADWAY AND WILL TRANSFER THE PAINTED STATIONING THROUGH ALL INTERMEDIATE LIFTS (NOT SURFACE). APPROPRIATELY-SIZED STRIPING PATTERN CHANGES WILL BE PAINTED ON SURFACE. STATIONING CONTROL MUST BE PLACED BEFORE WORK CAN COMMENCE. CROSS-SLOPE AND STRIPING CHANGE CONTROLS MUST BE PLACED BEFORE PAVING CAN COMMENCE.

53. ALL HMA FOR PATCHING AROUND ADJUSTED, ALTERED, OR REBUILT UTILITY STRUCTURES SHALL BE A 9.5 MM OR 12.5 MM MAINEDOT APPROVED MIX DESIGN. EXCLUDING WATER AND GAS GATE VALVES, THE CONTRACTOR SHALL SAW CUT THE EXISTING PAVEMENT FOR THE PATCH AT LEAST TWO FEET AWAY FROM THE NEAREST EDGE OF THE STRUCTURE. THE CONTRACTOR SHALL PLACE HMA IN LIFTS OF 2 INCHES OR LESS TO MATCH THE EXISTING PAVEMENT DEPTH OR A MAXIMUM OF 6 INCHES, AS DIRECTED BY THE RESIDENT, AND COMPACT THE HMA USING A MINIMUM OF A 150-POUND PLATE COMPACTOR. HMA FOR PATCHING AROUND ADJUSTED, ALTERED, OR REBUILT UTILITY STRUCTURES IS CONSIDERED INCIDENTAL TO THE RESPECTIVE PAY ITEM FOR ADJUST, ALTER, OR REBUILD UTILITY STRUCTURE.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

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018915.00

	BY	DATE
PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	D.PRIDE	SEP. 2021
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DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

GENERAL NOTES

SHEET NUMBER

G20

OF 24

Filename: ...\G21_Construction_Notes.dgn Division: HIGHWAY Username: common Date:9/29/2021

CONSTRUCTION NOTES

1. SUPPORT STRUCTURES FOR OVERHEAD SIGNING SHALL BE DESIGNED FOR A 1700-YEAR MEAN RECURRENCE INTERVAL BASIC WIND SPEED OF 120 MPH.

2. SIGNS FOR OVERHEAD SIGNING SHALL MEET THE REQUIREMENTS FOR TYPE I SIGNS.

3. ANY DAMAGE TO SLOPES OR PAVEMENT RESULTING FROM INSTALLATION OF SIGN STRUCTURES AND FOUNDATIONS SHALL BE REPAIRED BY THE CONTRACTOR AS DIRECTED BY THE RESIDENT. COSTS OF REPAIRS SHALL BE INCIDENTAL TO PAYMENT UNDER SECTION 645.

4. PAYMENT FOR BREAKAWAY DEVICES FOR NEW TYPE I SIGNS WILL BE INCIDENTAL TO PAYMENT UNDER ITEM 645.289.

5. THE STORMWATER BUFFER STRIPS SHOWN IN THE PLANS, EXCEPT THE "AMENDED FILTER BUFFER" AREAS, SHALL BE MARKED WITH THE START OF THE EARTHWORK. THE BUFFER STRIPS SHALL BE NO-DISTURBANCE AREAS CLOSED TO VEHICULAR TRAFFIC AND MATERIAL STORAGE. SAME LIMITATIONS SHALL APPLY TO THE "AMENDED FILTER BUFFER" AREAS AFTER THEIR AMENDMENT PROCESS IS COMPLETE.

6. AN EARTHEN BERM WITH 120.0' TOP OF BERM ELEVATION SHALL BE CONSTRUCTED PERPENDICULAR TO THE LEVEL SPREADER STARTING AT STA. 199+00 LT.

7. DIRTY BORROW ON SIDE SLOPES ADJACENT TO FOAM GLASS AGGREGATE LIGHTWEIGHT FILL SHALL BE 4" THICK.

STATE OF MAINE
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BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

GENERAL NOTES

SHEET NUMBER

G21

OF 24

CONSTRUCTION NOTES

DRIVES AND ENTRANCES*

STATIONING	TYPE
STA. 47+50.00, RT	GRAVEL
STA. 327+31.51 (SKEW), RT	PAVED
STA. 334+00.00, LT	GRAVEL
STA. 334+79.66, RT	PAVED
STA. 337+51.96, RT	GRAVEL
STA. 339+15.42, RT	GRAVEL
STA. 342+92.96, (SKEW) LT	GRAVEL
STA. 343+31.54, RT	GRAVEL
STA. 404+76.31 (SKEW) RT	PAVED
STA. 406+68.44, RT	GRAVEL
STA. 407+00.00, LT	PAVED
STA. 407+84.68, LT	PAVED
STA. 3017+50.00, RT	FIELD
STA. 6004+04.57, RT	PAVED

ITEM 201.11 - CLEARING*

LOCATION	
STA. 47+22.19 TO 47+59.38, RT	STA. 221+66.00 TO 222+85.36, RT
STA. 51+10.50 TO 51+52.76, LT	STA. 225+59.40 TO 236+75.58
STA. 52+06.03 TO 52+50.29, RT	STA. 237+04.85 TO 237+38.72, LT
STA. 52+44.32 TO 52+90.74, LT	STA. 237+36.00 TO 237+43.59, RT
STA. 55+40.56 TO 56+10.91, RT	STA. 240+08.93 TO 259+19.72
STA. 56+73.55 TO 68+68.87	STA. 258+69.91 TO 270+55.65
STA. 71+16.06 TO 71+68.95, RT	STA. 270+56.61 TO 272+87.31
STA. 72+60.76 TO 73+02.99, RT	STA. 275+67.99 TO 284+00.00
STA. 73+30.18 TO 75+60.39	STA. 283+77.86 TO 304+79.11
STA. 75+71.89 TO 77+09.87	STA. 303+01.93 TO 303+63.73, RT
STA. 76+97.59 TO 77+40.84, RT	STA. 304+69.42 TO 327+39.00
STA. 77+06.75 TO 77+24.57, LT	STA. 326+14.06 TO 326+58.79
STA. 77+36.41 TO 77+54.27, LT	STA. 326+57.02 TO 327+49.40
STA. 77+57.23 TO 79+13.49, RT	STA. 329+78.64 TO 330+54.84, LT
STA. 77+72.40 TO 77+96.44, LT	STA. 330+72.42 TO 331+40.29, LT
STA. 78+24.29 TO 80+14.01, LT	STA. 331+99.22 TO 332+20.11, LT
STA. 78+30.01 TO 78+45.43, LT	STA. 332+78.95 TO 333+92.02, LT
STA. 79+32.98 TO 80+29.84, RT	STA. 333+01.79 TO 334+25.67, RT
STA. 80+31.40 TO 85+48.31	STA. 334+16.59 TO 336+25.17, LT
STA. 102+88.13 TO 107+55.83, RT	STA. 334+79.64 TO 338+58.62, RT
STA. 107+59.65 TO 107+65.13, RT	STA. 336+28.39 TO 337+23.34, LT
STA. 108+08.43 TO 140+32.70	STA. 337+33.22 TO 338+83.66, LT
STA. 141+22.49 TO 153+23.26	STA. 340+11.42 TO 340+65.54, LT
STA. 152+86.51 TO 180+97.88	STA. 340+30.60 TO 342+87.33, RT
STA. 181+08.86 TO 182+73.37	STA. 341+51.63 TO 342+62.29, LT
STA. 190+97.87 TO 197+55.72	STA. 403+46.32 TO 403+60.27, LT
STA. 197+72.07 TO 198+02.24, RT	STA. 403+74.18 TO 404+72.54, LT
STA. 197+84.53 TO 200+71.31	STA. 405+60.50 TO 406+40.71, LT
STA. 198+16.34 TO 198+37.92, RT	STA. 407+50.66 TO 407+92.61, RT
STA. 199+45.18 TO 199+90.86, RT	STA. 5000+11.93 TO 5000+54.88, RT
STA. 202+71.92 TO 212+69.11	STA. 5002+16.80 TO 5002+60.95, LT
STA. 206+46.24 TO 206+92.45, RT	STA. 4008+35.61 TO 4008+76.40, RT
STA. 210+86.81 TO 211+70.96, RT	STA. 4008+95.54 TO 4009+80.13, RT
STA. 212+32.78 TO 212+63.33, RT	STA. 4010+71.80 TO 4011+05.72, RT
STA. 213+78.75 TO 216+37.07, LT	STA. 4011+41.31 TO 4012+53.60, RT
STA. 218+46.79 TO 220+92.61	STA. 6003+69.46 TO 6004+37.05, LT
STA. 220+49.90 TO 224+65.28	STA. 914+38.77 TO 915+79.38, RT

ITEM 201.23 REMOVING SINGLE TREE TOP ONLY
ITEM 201.24 REMOVING STUMP
TREE AND STUMP REMOVAL WILL BE AS SHOWN ON THE PLANS OR DIRECTED BY THE RESIDENT. PAY TREES AND STUMPS WILL BE DETERMINED IN THE FIELD.

ITEM 202.08 REMOVING BUILDING NO. 1
STA. 178+00, LT, RESERVE LIMITS AROUND STRUCTURE UNTIL 2/28/22

ITEM 202.08 REMOVING BUILDING NO. 2 & 3
STA. 197+00, RT, RESERVE LIMITS AROUND STRUCTURE UNTIL 2/28/22

ITEM 202.08 REMOVING BUILDING NO. 4
STA. 211+80, LT

ITEM 202.08 REMOVING BUILDING NO. 5
STA. 225+00, RT

ITEM 202.08 REMOVING BUILDING NO. 6
STA. 241+00, RT

ITEM 202.08 REMOVING BUILDING NO. 7
STA. 304+00, RT

ITEM 203.211 PRE-SPLITTING ROCK

LOCATION	LENGTH (FT)
STA. 205+70 TO 208+80, RT	2,600
STA. 213+25 TO 215+15, RT	2,600
STA. 214+80 TO 216+45, LT	1,200
STA. 236+40 TO 238+00, LT	1,150
STA. 236+70 TO 238+30, RT	1,650

ITEM 203.213 DRILLING AND BLASTING OF SOLID ROCK SUBGRADE

LOCATION	AREA (SY)
STA. 107+25 TO 109+25	1400
STA. 209+00 TO 218+00	6000
STA. 235+25 TO 241+00	3900

ITEM 507.0815 STEEL APPROACH RAIL, 3 BAR
EATON BROOK BRIDGE

LOCATION
STA. 140+18.8 TO BRIDGE, LT
STA. 140+18.8 TO BRIDGE, RT
BRIDGE TO STA. 141+62.2, LT
BRIDGE TO STA. 141+62.2, RT

LAMBERT ROAD BRIDGE

LOCATION
STA. 197+31.9 TO BRIDGE, LT
STA. 197+54.2 TO BRIDGE, RT
BRIDGE TO STA. 198+97.5, RT
BRIDGE TO STA. 198+82.4, LT

ITEM 606.1301 - 31" W-BEAM GUARDRAIL - MID-WAY SPLICE SINGLE FACED

LOCATION	LENGTH (FT)
STA. 51+40.62 TO 56+00.00, LT	459
STA. 63+21.01 TO 79+35.94, LT	1603
STA. 137+77.28 TO 139+99.53, RT	222
STA. 138+89.78 TO 139+99.53, LT	110
STA. 141+81.63 TO 144+16.12, LT	235
STA. 141+81.84 TO 142+53.72, RT	72
STA. 178+09.75 TO 183+75.10, RT	568
STA. 178+16.85 TO 184+95.00, LT	677
STA. 193+79.03 TO 197+34.88, RT	355
STA. 194+47.47 TO 197+19.51, LT	272
STA. 199+02.10 TO 207+59.36, LT	858
STA. 199+17.00 TO 200+50.00, RT	133
STA. 269+91.21 TO 290+12.12, RT	2007
STA. 271+47.20 TO 291+62.38, LT	2032
STA. 700+22.04 TO 104+05.83, RT	383
STA. 710+91.72 TO 720+79.61, RT	1006
STA. 800+04.69 TO 805+16.46, RT	506
STA. 816+18.92 TO 77+89.85, RT	1546
STA. 901+92.36 TO 914+48.64, RT	1315
STA. 903+05.56 TO 908+50.00, LT	571
STA. 3011+37.27 TO 3013+00.00, RT	86
STA. 4003+06.32 TO 4008+00.38, RT	392
STA. 4003+27.43 TO 4010+00.56, LT	633

ITEM 606.1301 - 31" W-BEAM GUARDRAIL - MID-WAY SPLICE SINGLE FACED: BRIDGE
EASTERN AVENUE BRIDGE

LOCATION	LENGTH (FT)
STA. 4+10.9 TO STA. 5+49.3, LT	138.4
STA. 4+14.0 TO STA. 5+52.4, RT	138.4
STA. 6+76.6 TO STA. 7+73.5, LT	96.9
STA. 6+76.6 TO STA. 8+01.6, RT	124.9

LEVENSELLER ROAD BRIDGE

LOCATION	LENGTH (FT)
STA. 5+73.0 TO STA. 6+70.3, RT	96.9
STA. 5+76.7 TO STA. 6+76.7, LT	100
STA. 8+24.1 TO STA. 8+95.9, RT	71.9
STA. 8+29.1 TO STA. 9+10.4, LT	81.3

LAMBERT ROAD BRIDGE

LOCATION	LENGTH (FT)
STA. 7+41.5 TO STA. 8+97.7, RT	156.3
STA. 9+02.0 TO STA. 10+58.3, LT	156.3

CLEWLEYVILLE ROAD BRIDGE

LOCATION	LENGTH (FT)
STA. 5+75.8 TO STA/ 6+97.7, LT	121.9
STA. 6+37.3 TO STA. 7+09.2, RT	71.9
STA. 8+92.7 TO STA. 9+64.7, LT	72
STA. 9+04.2 TO STA. 10+49.2, RT	145

ITEM 606.1303 31" W-BEAM GUARDRAIL - MID-WAY SPLICE 15' RADIUS & LESS
EASTERN AVENUE BRIDGE

LOCATION	LENGTH (FT)
STA. 3+96.0 TO STA. 4+10.9, LT	25
STA. 8+01.6 TO STA. 8+16.5, RT	25

LEVENSELLER ROAD BRIDGE

LOCATION	LENGTH (FT)
STA. 9+10.4 TO STA. 9+25.2, LT	25

ITEM 606.1304 - 31" W-BEAM GUARDRAIL - MID-WAY SPLICE OVER 15' RADIUS
LEVENSELLER ROAD BRIDGE

LOCATION	LENGTH (FT)
STA. 5+56.5 TO STA. 5+76.7, LT	32

ITEM 606.1305 - 31" W-BEAM GUARDRAIL - MID-WAY SPLICE, FLARED TERMINAL

LOCATION	QUANTITY (EACH)
STA. 51+40.62, LT	1
STA. 63+21.01, LT	1
STA. 77+85.85, RT	1
STA. 79+35.94, LT	1
STA. 137+77.28, RT	1
STA. 138+89.78, LT	1
STA. 142+53.72, RT	1
STA. 144+16.12, LT	1
STA. 183+75.10, RT	1
STA. 184+95.00, LT	1
STA. 193+79.03, RT	1
STA. 194+47.47, LT	1
STA. 200+50.00, RT	1
STA. 207+59.36, LT	1
STA. 269+91.21, RT	1
STA. 271+47.20, LT	1
STA. 290+12.12, RT	1
STA. 291+62.38, LT	1
STA. 700+22.04, RT	1
STA. 710+91.72, RT	1
STA. 800+04.69, RT	1
STA. 805+16.46, RT	1
STA. 813+18.92, RT	1
STA. 901+92.36. RT	1

ITEM 606.1305 - 31" W-BEAM GUARDRAIL - MID-WAY SPLICE, FLARED TERMINAL: BRIDGE
EASTERN AVENUE BRIDGE

LOCATION	QUANTITY
STA. 3+75.5 TO STA. 4+14.0, RT	1
STA. 3+96.0 TO STA. 4+10.9, LT	1
STA. 7+73.5 TO STA. 8+11.6, LT	1
STA. 8+01.6 TO STA. 8+16.5, RT	1

LEVENSELLER ROAD BRIDGE

LOCATION	QUANTITY
STA. 5+34.7 TO STA. 5+73.0, RT	1
STA. 5+56.5 TO STA. 5+76.7, LT	1
STA. 8+95.9 TO STA. 9+34.1, RT	1
STA. 9+10.4 TO STA. 9+25.2, LT	1

LAMBERT ROAD BRIDGE

LOCATION	QUANTITY
STA. 7+04.1 TO STA. 7+41.5, RT	1
STA. 8+64.8 TO STA. 9+02.0, LT	1
STA. 8+97.7 TO STA. 9+34.9, RT	1
STA. 10+58.3 TO STA. 10+95.6, LT	1

CLEWLEYVILLE ROAD BRIDGE

LOCATION	QUANTITY
STA. 5+38.7 TO STA. 5+75.8, LT	1
STA. 6+00.0 TO STA. 6+37.3, RT	1
STA. 9+64.7 TO STA. 10+02.0, LT	1
STA. 10+49.2 TO STA. 10+86.5, RT	1

ITEM 606.1721 BRIDGE TRANSITION - TYPE 1
EASTERN AVENUE BRIDGE

LOCATION
STA. 5+23.4 TO STA. 5+43.9, LT
STA. 5+23.4 TO STA. 5+43.9, RT
STA. 6+56.5 TO STA. 6+76.6, LT
STA. 6+56.5 TO STA. 6+76.6, RT

LEVENSELLER ROAD BRIDGE

LOCATION
STA. 6+76.6 TO STA. 6+90.9, RT
STA. 6+81.5 TO STA. 6+96.9, LT
STA. 8+03.6 TO STA. 8+24.1, RT
STA. 8+08.6 TO STA. 8+29.1, LT

EATON BROOK BRIDGE

LOCATION
STA. 139+99.3 TO STA. 140+18.8, LT
STA. 139+99.3 TO STA. 140+18.8, RT
STA. 141+62.2 TO STA. 141+82.0, LT
STA. 141+62.2 TO STA. 141+82.0, RT

LAMBERT ROAD BRIDGE

LOCATION
STA. 197+19.4 TO STA. 197+31.9, LT
STA. 197+34.6 TO STA. 197+54.2, RT
STA. 198+82.0 TO STA. 199+02.0, LT
STA. 198+97.5 TO STA. 199+17.1, RT

CLEWLEYVILLE ROAD BRIDGE

LOCATION
STA. 6+97.7 TO STA. 7+18.2, LT
STA. 7+09.2 TO STA. 7+29.6, RT
STA. 8+72.4 TO STA. 8+92.7, LT
STA. 8+83.8 TO STA. 9+04.2, RT

ITEM 606.265 - TERMINAL END SINGLE RAIL - GALVENIZED STEEL

LOCATION	QUANTITY (EACH)
STA. 704+05.83, RT	1
STA. 908+50.00, LT	1
STA. 914+48.64, RT	1
STA. 3013+00.00, RT	1
STA. 4008+00.38, RT	1
STA. 4010+00.56, RT	1

ITEM 606.353 - REFLECTORIZED FLEXIBLE GUARDRAIL MARKER

LOCATION	QUANTITY (EACH)
STA. 51+40.62, LT	2
STA. 56+00.00, LT	1
STA. 56+23.20, LT	1
STA. 63+21.01, RT	2
STA. 77+85.85, RT	2
STA. 79+35.94, LT	2
STA. 137+77.28, RT	2
STA. 138+89.78, LT	2
STA. 142+53.72, RT	2
STA. 144+16.12, LT	2
STA. 178+09.75, RT	1
STA. 178+16.85, RT	1
STA. 183+75.1, RT	2
STA. 184+95.00, LT	2
STA. 193+79.03, RT	2
STA. 194+47.47, LT	2
STA. 200+50.00, RT	2
STA. 207+59.36, LT	2
STA. 269+91.21, RT	2
STA. 270+147.2, LT	2
STA. 290+12.12, RT	2
STA. 291+62.38, LT	2
STA. 704+05.83, RT	1
STA. 710+91.72, RT	2
STA. 301+300, RT	1
STA. 800+04.69, RT	2
STA. 805+16.46, RT	2
STA. 813+18.92, RT	2
STA. 901+92.36, RT	2
STA. 908+50.00, LT	1
STA. 914+48.64, RT	1
STA. 916+57.58, LT	1
STA. 4008+00.38, RT	1
STA. 4010+00.56, LT	1

ITEM 606.80 - BURIED IN SLOPE GUARDRAIL END

LOCATION	QUANTITY (EACH)
STA. 177+36.22 TO 178+09.75, LT	1
STA. 177+42.34, TO 178+16.85, RT	1

ITEM 606.95 - LOW MAINTENANCE/SELF RESTORING CRASH CUSHION

LOCATION	QUANTITY (EACH)
STA. 56+00.00 TO 56+23.20, LT	1

ITEM 607.09 WOVEN FIRE FENCE - METAL POSTS

LENGTH (FT)	HEIGHT (FT)
53000	8
7710	4

ITEM 607.15 DRIVE GATEWAY 16 FOOT - METAL

LOCATION
STA. 269+26.12 TO STA. 269+58.58, LT
STA. 270+02.55 TO STA. 270+05.00, RT

607.32 BRACE ASSEM TP I METAL POSTS (8FT)

LOCATION	TERMINALS (EACH)
STA. 24+29, 151.3 RT	1
STA. 63.75, 68.3 LT	1
STA. 64+48, 68.6 LT	1
STA. 66+55, 81.2 RT	1
STA. 66+67, 83.0 RT	1
STA. 66+79, 69.0 LT	1
STA. 66+91, 67.1 LT	1
STA. 76+82, 80.2 LT	1
STA. 76+91, 75.0 RT	1
STA. 77+13, 76.4 LT	1
STA. 77+14, 74.5 RT	1
STA. 83+76, 47.9 LT	1
STA. 83+82, 56.0 LT	1
STA. 85+10, 53.4 RT	1
STA. 85+17, 45.5 RT	1
STA. 95+43, 53.3 RT	1
STA. 95+51, 58.0 RT	1
STA. 96+09, 49.7 LT	1

ITEM 607.32 BRACE ASSEM TP I METAL POSTS (8FT) (CONTINUED)

LOCATION	TERMINALS (EACH)
STA. 96+16, 44.9 LT	1
STA. 107+51, 75.3 LT	1
STA. 107+56, 74.8 RT	1
STA. 108+20, 76.7 LT	1
STA. 108+21, 75.3 RT	1
STA. 133+50, 47.2 LT	1
STA. 133+59, 52.5 LT	1
STA. 134+12, 51.0 RT	1
STA. 134+20, 45.6 RT	1
STA. 319+79, 82.4 RT	1
STA. 140+22, 83.9 LT	1
STA. 141+53, 50.8 RT	1
STA. 141+58, 67.9 LT	1
STA. 236+72, 64.1 LT	1
STA. 237+08, 64.5 RT	1
STA. 237+58, 65.6 LT	1
STA. 237+90, 62.9 RT	1
STA. 270+11, 73.8 RT	1
STA. 270+21, 92.3 RT	1
STA. 272+28, 60.0 LT	1
STA. 272+28, 62.0 RT	1
STA. 272+42, 60.0 LT	1
STA. 272+42, 62.0 RT	1
STA. 272+85, 68.9 RT	1
STA. 272+99, 79.7 RT	1
STA. 274+00, 84.5 LT	1
STA. 274+15, 73.6 LT	1
STA. 275+81, 70.0 RT	1
STA. 275+81, 74.0 LT	1
STA. 275+95, 70.0 RT	1
STA. 275+95, 74.0 LT	1
STA. 284+11, 59.2 RT	1
STA. 284+23, 61.2 RT	1
STA. 284+30, 61.3 LT	1
STA. 284+42, 59.3 LT	1
STA. 288+98, 60.0 RT	1
STA. 289+10, 61.4 RT	1
STA. 289+12, 61.3 LT	1
STA. 289+22, 59.0 LT	1
STA. 289+37, 56.5 LT	1
STA. 298+47, 57.7 LT	1
STA. 298+51, 54.7 RT	1
STA. 298+61, 53.4 RT	1
STA. 330+60, 99.8 RT	1
STA. 606+36, 93.3 RT	1
STA. 800+00, 34.5 RT	1
STA. 808+41, 72.0 RT	1
STA. 813+26, 55.2 RT	1
STA. 814+59, 47.3 RT	1
STA. 815+16, 48.2 RT	1
STA. 909+95, 137.6 RT	1
STA. 911+05, 135.8 RT	1
STA. 912+62, 130.3 RT	1
STA. 2001+85, 166.5 LT	1
STA. 4011+83, 155.0 RT	1

607.32 BRACE ASSEM TP I METAL POSTS (4FT)

LOCATION	TERMINALS (EACH)
STA. 197+01, 48.1 LT	1
STA. 197+65, 34.5 LT	1
STA. 198+72, 35.9 LT	1
STA. 199+27, 44.3 RT	1
STA. 213+78, 78.5 RT	1
STA. 214+71, 82.2 RT	1
STA. 215+27, 79.5 LT	1
STA. 216+10, 75.4 LT	1

*SEE BRIDGE PLANS FOR BRIDGE VALUES

NOTE: SEE BRIDGE PLANS FOR EASTERN AVENUE, EATON BROOK, LAMBERT ROAD, CLEWLEYVILLE ROAD, AND LEVENSELLER ROAD CONSTRUCTION NOTES

CONTINUED

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00

PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	D.PRIDE	M. MIHAU	SEP. 2021
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

CONSTRUCTION NOTES

SHEET NUMBER

G22

OF 24

Filename: ...\G22_ConstructionNotes.dgn Division: HIGHWAY Username: common Date:9/29/2021

CONSTRUCTION NOTES

ITEM 607.33 BRACE ASSEM TP II METAL POSTS (8FT)

LOCATION	CORNER (EACH)	INTERMEDIATE POINTS (EACH)
STA. 59+69, 98.0 LT		1
STA. 63+66, 98.0 LT	1	
STA. 64+62, 98.0 LT	1	
STA. 66+39, 97.5 RT	1	
STA. 66+59, 98.1 LT	1	
STA. 66+73, 97.9 RT	1	
STA. 67+11, 98.1 LT	1	
STA. 71+74, 97.9 RT		1
STA. 71+93, 98.0 LT		1
STA. 76+75, 98.1 LT	1	
STA. 76+75, 97.9 RT	1	
STA. 77+25, 98.1 LT	1	
STA. 77+28, 97.9 RT	1	
STA. 81+14, 97.9 RT		1
STA. 84+16, 98.1 LT	1	
STA. 85+00, 98.0 RT	1	
STA. 85+58, 72.8 RT	1	
STA. 90+24, 98.0 LT		1
STA. 90+27, 94.8 RT		1
STA. 95+00, 98.0 RT	1	
STA. 95+43, 98.0 RT	1	
STA. 96+25, 98.0 LT	1	
STA. 96+50, 98.0 LT	1	
STA. 101+49, 98.0 RT		1
STA. 101+90, 98.0 LT		1
STA. 107+39, 98.0 LT	1	
STA. 107+47, 98.0 RT	1	
STA. 108+31, 98.0 LT	1	
STA. 108+36, 97.0 RT	1	
STA. 114+46, 98.0 LT		1
STA. 114+75, 97.0 RT		1
STA. 120+59, 98.0 LT		1
STA. 121+15, 97.2 RT		1
STA. 126+72, 98.0 LT		1
STA. 127+56, 97.1 RT		1
STA. 132+87, 98.0 LT	1	
STA. 133+74, 98.0 LT	1	
STA. 133+94, 97.0 RT	1	
STA. 134+61, 97.0 RT	1	
STA. 139+68, 97.0 RT	1	
STA. 141+74, 97.0 RT	1	
STA. 141+76, 98.0 LT	1	
STA. 148+12, 98.0 LT		1
STA. 148+15, 97.0 RT		1
STA. 154+48, 98.0 LT		1
STA. 154+55, 97.0 RT		1
STA. 160+84, 98.0 LT		1
STA. 160+96, 97.0 RT		1
STA. 167+20, 98.0 LT		1
STA. 167+37, 97.0 RT		1
STA. 173+56, 98.0 LT		1
STA. 173+75, 132.6 RT		1
STA. 224+90, 97.9 LT		1
STA. 225+05, 97.0 RT		1
STA. 230+83, 98.0 LT		1
STA. 231+09, 97.0 RT		1
STA. 237+83, 98.0 LT	1	
STA. 238+17, 97.0 RT	1	
STA. 244+05, 98.0 LT		1
STA. 244+62, 97.0 RT		1
STA. 250+31, 98.2 LT		1
STA. 251+03, 96.8 RT		1
STA. 256+65, 98.0 LT		1
STA. 257+37, 97.0 RT		1
STA. 262+92, 98.0 LT		1
STA. 263+79, 97.0 RT		1
STA. 269+14, 98.0 LT	1	
STA. 269+44, 44.3 LT	1	
STA. 270+06, 65.1 RT	1	
STA. 270+24, 97.0 RT	1	
STA. 270+86, 98.0 LT	1	
STA. 271+17, 44.3 LT	1	
STA. 271+78, 65.1 RT	1	
STA. 271+85, 77.7 RT	1	
STA. 272+98, 98.0 LT	1	
STA. 273+10, 97.0 RT	1	
STA. 274+52, 98.0 LT	1	
STA. 275+59, 97.1 RT	1	
STA. 275+65, 98.0 LT	1	
STA. 276+13, 98.0 LT	1	
STA. 276+20, 97.1 RT	1	
STA. 279+85, 97.1 RT		1

ITEM 607.33 BRACE ASSE, TP II METAL POSTS (8FT) (CONTINUED)

LOCATION	CORNER (EACH)	INTERMEDIATE POINTS (EACH)
STA. 280+10, 98.0 LT		1
STA. 283+50, 97.0 RT	1	
STA. 284+08, 98.0 LT	1	
STA. 284+55, 97.1 RT	1	
STA. 284+69, 98.0 LT	1	
STA. 288+75, 97.1 RT	1	
STA. 288+94, 98.0 LT	1	
STA. 289+26, 97.1 RT	1	
STA. 289+40, 98.0 LT	1	
STA. 293+77, 97.1 RT		1
STA. 293+78, 98.0 LT		1
STA. 298+16, 98.0 LT	1	
STA. 298+30, 97.1 RT	1	
STA. 298+64, 98.0 LT	1	
STA. 298+81, 97.0 RT	1	
STA. 305+17, 97.0 RT		1
STA. 305+23, 98.0 LT		1
STA. 311+53, 97.0 RT		1
STA. 311+82, 98.0 LT		1
STA. 317+89, 97.7 RT		1
STA. 318+41, 98.0 LT		1
STA. 324+25, 97.0 RT		1
STA. 602+08, 92.5 RT		1
STA. 803+12, 72.0 RT		1
STA. 804+95, 72.0 RT		1
STA. 806+68, 71.8 RT		1
STA. 814+45, 69.2 RT	1	
STA. 815+34, 73.6 RT	1	
STA. 903+39, 51.4 RT	1	
STA. 912+40, 146.2 RT	1	
STA. 4017+96, 133.6 RT		1

ITEM 607.33 BRACE ASSE, TP II METAL POSTS (4FT)

LOCATION	CORNER (EACH)	INTERMEDIATE POINTS (EACH)
STA. 180+00, 97.0 RT	1	
STA. 180+00, 98.0 LT	1	
STA. 185+72, 98.0 LT		1
STA. 185+77, 97.0 RT		1
STA. 191+44, 98.0 LT		1
STA. 191+55, 97.0 RT		1
STA. 197+36, 97.0 RT	1	
STA. 199+01, 98.0 LT	1	
STA. 203+92, 97.0 RT		1
STA. 204+42, 98.0 LT		1
STA. 208+73, 97.0 RT		1
STA. 209+77, 97.5 LT		1
STA. 213+56, 97.0 RT	1	
STA. 214+58, 96.8 RT	1	
STA. 215+11, 98.1 LT	1	
STA. 218+98, 98.0 LT	1	
STA. 218+99, 97.2 RT	1	

ITEM 609.21 CONCRETE SLIPFORM CURB

LOCATION	LENGTH (LF)
STA. 48+38.58 TO STA. 50+46.00 RT	207
STA. 910+03.32 TO STA. 915+75.20 LT	507
STA. 910+03.80 TO STA. 915+75.01 LT	530

ITEM 609.221 CONCRETE SLIPFORM CURB TERMINAL END

LOCATION	LENGTH (LF)
STA. 48+34.58 TO STA. 48+38.58 RT	4
STA. 50+46.00 TO STA. 50+50.00 RT	4
STA. 909+99.32 TO STA. 910+03.32 LT	4
STA. 909+99.80 TO STA. 910+03.80 LT	4
STA. 915+75.01 TO STA. 915+79.01 LT	4
STA. 915+75.20 TO STA. 915+79.20 LT	4

ITEM 607.491 DRIVEWAY GATE - 36'

LOCATION
STA 47+32.06 TO STA. 47+68.03 RT
STA. 3017+31.96 TO STA. 3017+68.33 RT

ITEM 610.08 PLAIN RIPRAP

CROSS CULVERT END PROTECTION	RIPRAP PAD INLET	RIPRAP PAD OUTLET
STA. 58+50 RT	6.0'X8.5'	
TO STA. 900+58.54 RT		6.0'X14.8'
STA. 66+61.31 RT	12'X24'	
TO STA. 66+84.74 LT		12'X24.2'
STA. 85+13.52 RT	10'X26.4'	
TO STA. 83+79.43 LT		10'X27'
STA. 96+12.68 LT	9'X15.5'	
TO STA. 95+52.61 RT		9'X26'
STA. 117+34.96 RT	6'X14.6'	
TO STA. 117+35.00 RT		6'X15'
STA. 118+00.00 LT	4.5'X10.1'	
TO STA. 118+00.00 RT		4.4'X10.1'
STA. 120+74.96 LT	4.5'X10.1'	
TO STA. 120+75.02 RT		4.5'X10.1'
STA. 125+50.00 LT	4.5'X11.3'	
TO STA. 125+50.00 RT		4.5'X11.3'
STA. 133+54.37 LT	10.1'X29.8'	
TO STA. 134+16.14 RT		10'X30'
STA. 138+15.00 LT	4.5'X12.6'	
TO STA. 138+15.00 RT		4.5'X12.6'
STA. 145+00.00 RT	6'X16'	
TO STA. 145+00.00 LT		6'X15'
STA. 166+50.00 LT	9'X19.1'	
TO STA. 166+50.00 RT		9'X19.1'
STA. 167+00.00 LT	9'X19.1'	
TO STA. 167+00.00 RT		9'X19.1'
STA. 180+79.57 LT	9'X19.1'	
TO STA. 181+18.89 RT		9'X19.1'
STA. 182+00.00 RT	9'X19.1'	
TO STA. 182+00.00 LT		9'X19.1'
STA. 193+00.00 RT	9'X19.1'	
TO STA. 193+00.00 LT		9'X19.1'
STA. 195+00.00 RT	9'X19.1'	
TO STA. 195+00.00 LT		9'X19.1'
STA. 196+00.00 RT	9'X19.1'	
TO STA. 196+00.00 LT		9'X19.1'
STA. 252+00.00 LT	9'X18.3'	
TO STA. 252+00.00 RT		9'X18.3'
STA. 264+50.00 LT	9'X18.3'	
TO STA. 264+50.00 RT		9'X18.3'
STA. 268+25.00 LT	6.3'X7.5'	
TO STA. 268+25.00 RT		6.3'X8.7'
STA. 288+00.00 LT	9'X18.3'	
TO STA. 288+00.00 RT		9'X18.3'
STA. 298+40.99 LT	10'X23.5'	
TO STA. 298+56.01 RT		10'X23.1'
STA. 314+50.00 LT	9'X18.3'	
TO STA. 314+50.00 RT		9'X20.3'
STA. 316+00.00 LT	9'X20.1'	
TO STA. 316+00.00 RT		9'X20.1'
STA. 336+01.94 RT	9'X20.3'	
TO STA. 336+12.40 LT		9'X20.3'
STA. 340+88.36 RT	6'X13.8'	
TO STA. 340+89.13 LT		6'X13.4'
STA. 404+35.58 RT	5.5'X6.7'	
TO STA. 404+35.94 LT		5.5'X6.6'
STA. 408+99.47 RT	6'X9.2'	
TO STA. 409+43.99 LT		6'X6.6'
-	-	
TO STA. 610+62.97 RT		6'X12'
-	-	
TO STA. 614+76.06 RT		6'X11.3'
STA. 715+75.00 LT	5.5'X7.4'	
TO STA. 715+75.00 RT		5.5'X58'
STA. 906+01.13 LT	6.0'X7.6'	
TO STA. 905+98.30 RT		6.0'X7.9'
STA. 2012+84.60 LT	7'X10.7'	
TO STA. 612+06.43 RT		7'X13.2'
STA. 3016+50.00 RT	5.5'X7.4'	
TO STA. 3016+50.00 LT		5.5'X8.3'
STA. 4013+39.33 RT	7'X9.8'	
TO STA. 4013+35.21 LT		7'X10.8'
STA. 5003+08.21 RT	5.5'X6.8'	
TO STA. 5003+16.49 LT		5.5'X6.7'
STA. 6004+31.07 RT	5.5'X9.4'	
TO STA. 6003+46.67 LT		5.5'X9.3'

SIDE SLOPE

STA. 110+50.00 TO STA. 114+00.00 LT
STA. 204+00.50 TO STA. 204+90.00 LT
STA. 205+85.56 TO STA. 207+75.03 RT
STA. 914+49.08 TO STA. 909+00.21 RT

UNDERDRAIN OUTLETS	RIPRAP PAD
STA. 52+00.00 RT	3'X3'

DOWNSPOUT

STA. 95+50.98 TO STA. 96+00.08 RT
STA. 204+90.00 TO STA. 205+03.90 LT
STA. 204+92.33 TO STA. 205+85.56 RT
STA. 257+12.01 TO STA. 257+51.60 LT
STA. 301+62.52 TO STA. 301+94.09 LT
STA. 301+74.00 TO STA. 302+11.53 RT
STA. 906+01.16 TO STA. 909+49.70 LT

ITEM 610.18 STONE DITCH PROTECTION

STA. 138+50 TO STA. 139+50 LT
STA. 168+95.46 TO STA. 169+81.29 RT
STA. 170+15.50 TO STA. 170+36.00 LT
STA. 179+00 TO STA. 181+18 RT
STA. 179+09.50 TO STA. 180+75.31 LT
STA. 200+00 TO STA. 204+00 LT
STA. 200+00 TO STA. 204+92 RT
STA. 300+50 TO STA. 301+62.52 LT
STA. 312+50 TO STA. 313+50 RT
STA. 716+00 TO STA. 717+00 LT
STA. 5001+00 TO STA. 5001+50 LT

ITEM 613.319 EROSION CONTROL BLANKET

STA. 45+50 TO STA. 46+00 LT
STA. 45+50 TO STA 47+22 RT
STA. 48+50 TO STA. 49+00 LT
STA. 50+00 TO STA 50+50 LT
STA. 50+50 TO STA. 51+00 RT
STA. 53+50 TO STA. 55+00 LT
STA. 56+00 TO STA. 58+00 RT
STA. 61+00 TO STA. 62+50 RT
STA. 80+50 TO STA. 84+50 RT
STA. 88+00 TO STA. 89+50 RT
STA. 97+50 TO STA. 116+00 RT
STA. 98+00 TO STA. 116+50 LT
STA. 134+00 TO STA. 137+00 LT
STA. 134+50 TO STA. 137+00 RT
STA. 149+00 TO STA. 151+00 LT
STA. 149+00 TO STA. 162+00 RT
STA. 153+50 TO STA. 163+00 LT
STA. 170+00 TO STA. 178+50 RT
STA. 170+36 TO STA. 179+00 LT
STA. 182+50 TO STA. 184+50 LT
STA. 199+00 TO STA. 204+00 LT
STA. 209+50 TO STA. 247+50 RT
STA. 210+00 TO STA. 215+00 LT
STA. 216+50 TO STA. 236+50 LT
STA. 238+00 TO STA. 248+50 LT
STA. 254+00 TO STA. 256+00 RT
STA. 254+00 TO STA. 257+00 LT
STA. 295+00 TO STA. 296+50 RT
STA. 302+50 TO STA. 311+00 LT
STA. 302+50 TO STA. 312+00 RT
STA. 318+00 TO STA. 324+50 LT
STA. 319+00 TO STA. 329+00 RT
STA. 334+00 TO STA. 335+00 RT
STA. 338+00 TO STA. 340+50 LT
STA. 338+00 TO STA. 339+50 RT
STA. 341+50 TO STA. 342+50 LT
STA. 404+50 TO STA. 411+00 RT
STA. 707+50 TO STA. 708+00 LT
STA. 1012+00 TO STA. 1020+12.78 RT
STA. 2007+00 TO STA. 2016+00 RT
STA. 2010+00 TO STA. 2016+00 LT
STA. 3014+00 TO STA. 3016+00 RT
STA. 3014+50 TO STA. 3016+00 LT
STA. 4010+50 TO STA. 4013+00 RT
STA. 5001+75 TO STA. 5002+00 LT
STA. 5002+00 TO STA. 5002+50 RT
STA. 7000+00 TO STA. 7001+00 RT
STA. 7000+50 TO STA. 7001+50 LT
STA. 7003+00 TO STA. 7003+49 LT

ITEM 613.40 TURF REINFORCED MAT (TRM)

STA. 199+00.00 TO 202+00.00, LT. - TYPE 5C
STA. 207+00.00 TO 207+78.63, LT. - TYPE 5B

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00

SIGNATURE

P.E. NUMBER

DATE

PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	D.PRIDE	SEP. 2021	DATE
CHECKED-REVIEWED		M. MIHAU	BY
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

CONSTRUCTION NOTES

SHEET NUMBER

G23

OF 24

Filename: ...\G23_Construction_Notes.dgn Division: HIGHWAY Username: common Date:10/5/2021

EARTHWORK SUMMARY

EARTHWORK SUMMARY

COMMON EXCAVATION FOR ESTIMATE

COMMON EXCAVATION (FROM MODEL OR PLANS)	662,866.95	
GRUBBING IN FILL	12,489.93	
LOAM SALVAGE IN FILL	0	
UNDERCUT	0	
MUCK EXCAVATION	0	
PEAT EXCAVATION	0	
CULVERT INLET AND OUTLET DITCHES	0	
PAVEMENT SALVAGE IN FILL	0	
TOTAL COMMON EXCAVATION		675,356.88

FILL FOR BORROW CALCULATIONS

COMMON FILL (FROM MODEL OR PLANS)	709,694.00	
GRUBBING IN FILL	12,489.93	
LOAM SALVAGE IN FILL	0	
UNDERCUT	0	
MUCK EXCAVATION	0	
PEAT EXCAVATION	0	
PAVEMENT SALVAGE IN FILL	0	
RECYCLED PAVEMENT REMOVAL IN FILL	0	
TOTAL FILL		722,183.93

ROCK EXCAVATION FOR ESTIMATE

ROCK EXCAVATION (FROM CROSS SECTIONS)	66,300.00	
ROCK EXCAVATION (BOULDERS)	0	
TOTAL ROCK EXCAVATION		66,300.00

AVAILABLE COMMON EXCAVATION FOR BORROW CALCULATIONS

ALL DEDUCTIONS:		
GRUBBING IN CUT	46,176.87	
GRUBBING IN FILL	12,489.93	
LOAM SALVAGE IN CUT	0	
LOAM SALVAGE IN FILL	0	
UNDERCUT	0	
MUCK EXCAVATION	0	
PEAT EXCAVATION	0	
PAVEMENT SALVAGE (CUT & FILL)	0	
TOTAL DEDUCTIONS		58,666.79
TOTAL AVAILABLE COMMON EXCAVATION (-) TOTAL DEDUCTIONS	616,690.09	
TOTAL AVAILABLE STRUCTURAL EXCAVATION (UNDERDRAIN ONLY)	0	
RIPRAP EXCAVATION	0	
TOTAL AVAILABLE NON-ROCK EXCAVATION		616,690.09

COMPUTATION OF WASTE STORAGE & WASTE MATERIAL

TOTAL AVAILABLE WASTE STORAGE AREA (FROM CROSS SECTIONS)	72,297.06
GRUBBING IN CUT	46,176.87
GRUBBING IN FILL	12,489.93
UNDERCUT	0
MUCK EXCAVATION	0
PEAT EXCAVATION	0
SAND BLANKET (ITEM NO. 211.45)	89,000.00
LIGHTWEIGHT FILL (ITEM NO. 203.4338)	77,000.00
TOTAL WASTE MATERIAL	224,666.79

TOTAL GRANULAR BORROW	14,573.64

COMPUTATION FOR SURPLUS MATERIAL OR COMMON BORROW FOR ESTIMATE

TOTAL AVAILABLE NON-ROCK EXCAVATION	616,690.09	x	0.90	=	555,021.08
TOTAL AVAILABLE ROCK EXCAVATION	66,300.00	x	1.30	=	86,190.00
TOTAL AVAILABLE STRUCTURAL ROCK EXCAVATION	3,840.00	x	1.30	=	4,992.00
TOTAL WASTE MATERIAL TO BE UTILIZED	72,297.06	x	0.90	=	65,067.35

TOTAL AVAILABLE EXCAVATION	711,270.43
BORROW NEEDED = TOTAL FILL (-) TOTAL AVAILABLE EXCAVATION	10,913.50
IF NO BORROW IS NEEDED, SURPLUS MATERIAL = AVAILABLE EXCAVATION (-) TOTAL FILL, (+) TOTAL WASTE MATERIAL TO BE WASTED	141,456.24

SURPLUS MATERIAL **141456 CY**

Filename: ...\G24_Earthwork Summary.dgn Division: HIGHWAY Username: common Date:10/1/2021

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00

PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	D.PRIDE		SEP. 2021
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

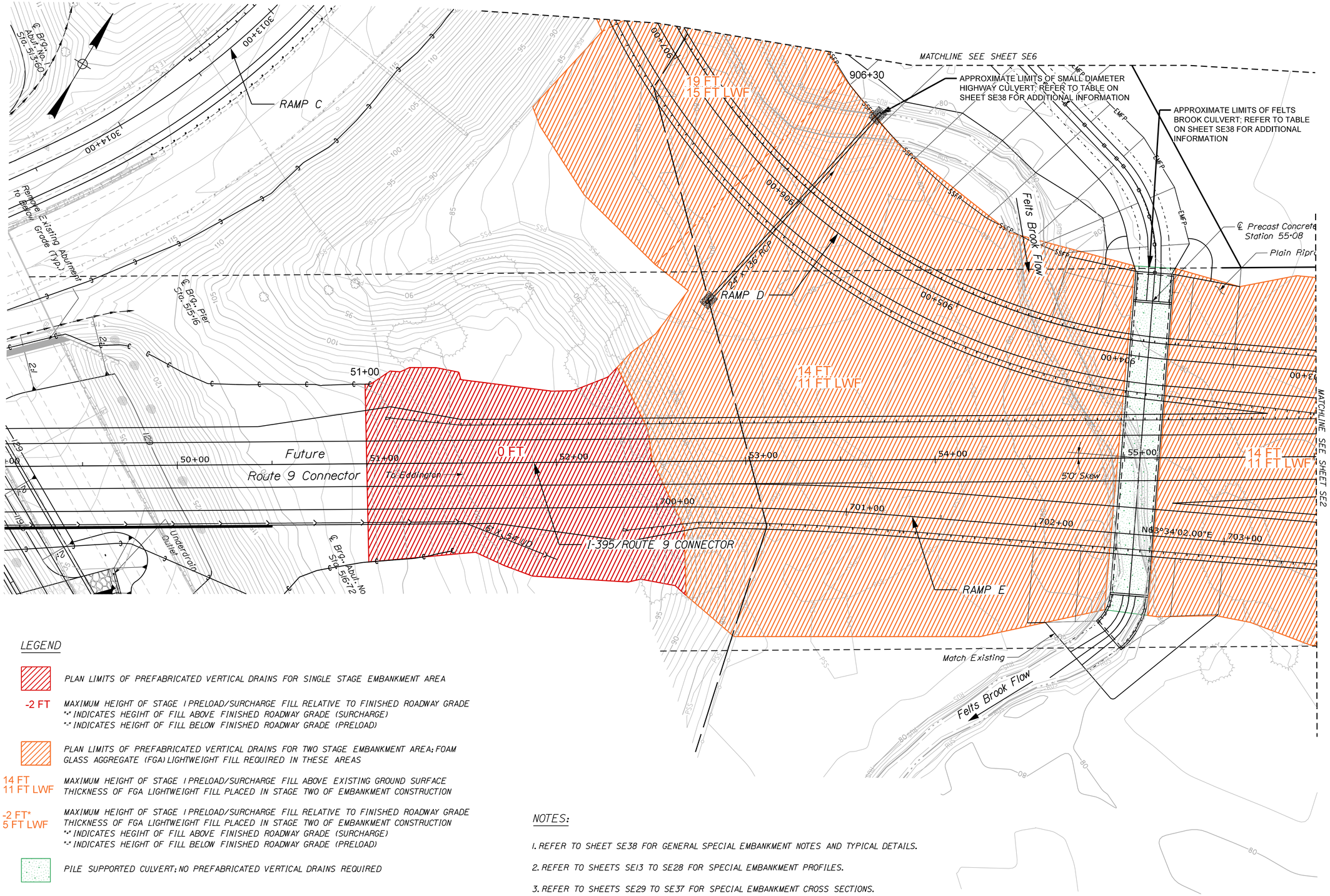
EARTHWORK SUMMARY

SHEET NUMBER

G24

OF 24

Filename: ...\Embankment Plans\CGE_Plan8.dgn Division: Username: Date:9/16/2021



LEGEND

- PLAN LIMITS OF PREFABRICATED VERTICAL DRAINS FOR SINGLE STAGE EMBANKMENT AREA
- -2 FT — MAXIMUM HEIGHT OF STAGE I PRELOAD/SURCHARGE FILL RELATIVE TO FINISHED ROADWAY GRADE
  "-" INDICATES HEGIHT OF FILL ABOVE FINISHED ROADWAY GRADE (SURCHARGE)
  "-" INDICATES HEIGHT OF FILL BELOW FINISHED ROADWAY GRADE (PRELOAD)
- PLAN LIMITS OF PREFABRICATED VERTICAL DRAINS FOR TWO STAGE EMBANKMENT AREA; FOAM GLASS AGGREGATE (FGA) LIGHTWEIGHT FILL REQUIRED IN THESE AREAS
- 14 FT / 11 FT LWF — MAXIMUM HEIGHT OF STAGE I PRELOAD/SURCHARGE FILL ABOVE EXISTING GROUND SURFACE
  THICKNESS OF FGA LIGHTWEIGHT FILL PLACED IN STAGE TWO OF EMBANKMENT CONSTRUCTION
- -2 FT* / 5 FT LWF — MAXIMUM HEIGHT OF STAGE I PRELOAD/SURCHARGE FILL RELATIVE TO FINISHED ROADWAY GRADE
  THICKNESS OF FGA LIGHTWEIGHT FILL PLACED IN STAGE TWO OF EMBANKMENT CONSTRUCTION
  "-" INDICATES HEGIHT OF FILL ABOVE FINISHED ROADWAY GRADE (SURCHARGE)
  "-" INDICATES HEIGHT OF FILL BELOW FINISHED ROADWAY GRADE (PRELOAD)
- PILE SUPPORTED CULVERT; NO PREFABRICATED VERTICAL DRAINS REQUIRED

NOTES:

1. REFER TO SHEET SE38 FOR GENERAL SPECIAL EMBANKMENT NOTES AND TYPICAL DETAILS.
2. REFER TO SHEETS SE13 TO SE28 FOR SPECIAL EMBANKMENT PROFILES.
3. REFER TO SHEETS SE29 TO SE37 FOR SPECIAL EMBANKMENT CROSS SECTIONS.

PLAN

25 0 25 50

Scale of Feet

HALEY ALDRICH

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN 018915.00

HIGHWAY PLANS

STATE OF MAINE — WAYNE A. CHADBOURNE — No. 10620 — PROFESSIONAL ENGINEER

	BY	DATE
PROJ. MANAGER	.....	.....
DESIGN-DETAILED	K. POST	7-15-21
CHECKED-REVIEWED	W. CHADBOURNE	9-17-21
DESIGN2-DETAILED2	E. FORCE	.....
DESIGN3-DETAILED3	E. FORCE	.....
REVISIONS 1	.....	.....
REVISIONS 2	.....	.....
REVISIONS 3	.....	.....
REVISIONS 4	.....	.....
FIELD CHANGES	.....	.....

SIGNATURE

10620 — P.E. NUMBER

9-17-21 — DATE

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

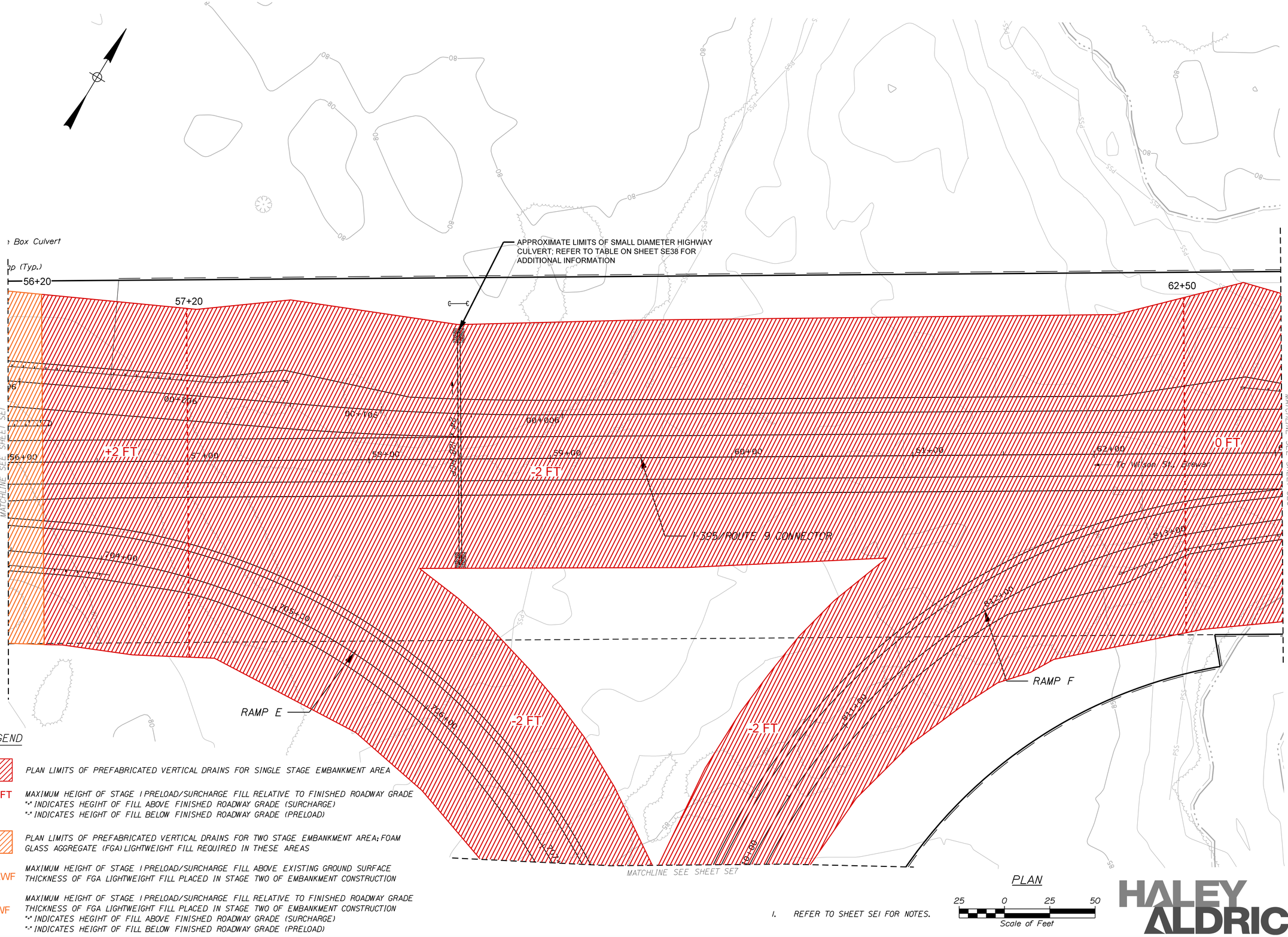
SPECIAL EMBANKMENT
CONSTRUCTION PLAN - AREA 1 (1 OF 8)

SHEET NUMBER

SE1

OF 52

Filename: ...\Embankment Plans\VGSE_Plan9.dgn Division: Username: Date:9/16/2021



LEGEND

PLAN LIMITS OF PREFABRICATED VERTICAL DRAINS FOR SINGLE STAGE EMBANKMENT AREA

-2 FT — MAXIMUM HEIGHT OF STAGE I PRELOAD/SURCHARGE FILL RELATIVE TO FINISHED ROADWAY GRADE
"+" INDICATES HEGIHT OF FILL ABOVE FINISHED ROADWAY GRADE (SURCHARGE)
"-" INDICATES HEIGHT OF FILL BELOW FINISHED ROADWAY GRADE (PRELOAD)

PLAN LIMITS OF PREFABRICATED VERTICAL DRAINS FOR TWO STAGE EMBANKMENT AREA; FOAM GLASS AGGREGATE (FGA) LIGHTWEIGHT FILL REQUIRED IN THESE AREAS

14 FT / 11 FT LWF — MAXIMUM HEIGHT OF STAGE I PRELOAD/SURCHARGE FILL ABOVE EXISTING GROUND SURFACE
THICKNESS OF FGA LIGHTWEIGHT FILL PLACED IN STAGE TWO OF EMBANKMENT CONSTRUCTION

-2 FT* / 5 FT LWF — MAXIMUM HEIGHT OF STAGE I PRELOAD/SURCHARGE FILL RELATIVE TO FINISHED ROADWAY GRADE
THICKNESS OF FGA LIGHTWEIGHT FILL PLACED IN STAGE TWO OF EMBANKMENT CONSTRUCTION
"+" INDICATES HEGIHT OF FILL ABOVE FINISHED ROADWAY GRADE (SURCHARGE)
"-" INDICATES HEIGHT OF FILL BELOW FINISHED ROADWAY GRADE (PRELOAD)

1. REFER TO SHEET SE1 FOR NOTES.

PLAN

25 0 25 50
Scale of Feet

HALEY ALDRICH

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN 018915.00

HIGHWAY PLANS

STATE OF MAINE — WAYNE A. CHADBOURNE — No. 10620 — PROFESSIONAL ENGINEER

	BY	DATE
PROJ. MANAGER	.....	.....
DESIGN-DETAILED	E. FORCE	7-15-21
CHECKED-REVIEWED	K. POST	9-17-21
DESIGN2-DETAILED2	E. FORCE	.....
DESIGN3-DETAILED3	W. CHADBOURNE	.....
REVISIONS 1	.....	.....
REVISIONS 2	.....	.....
REVISIONS 3	.....	.....
REVISIONS 4	.....	.....
FIELD CHANGES	.....	.....

SIGNATURE

10620 — P.E. NUMBER

9-17-21 — DATE

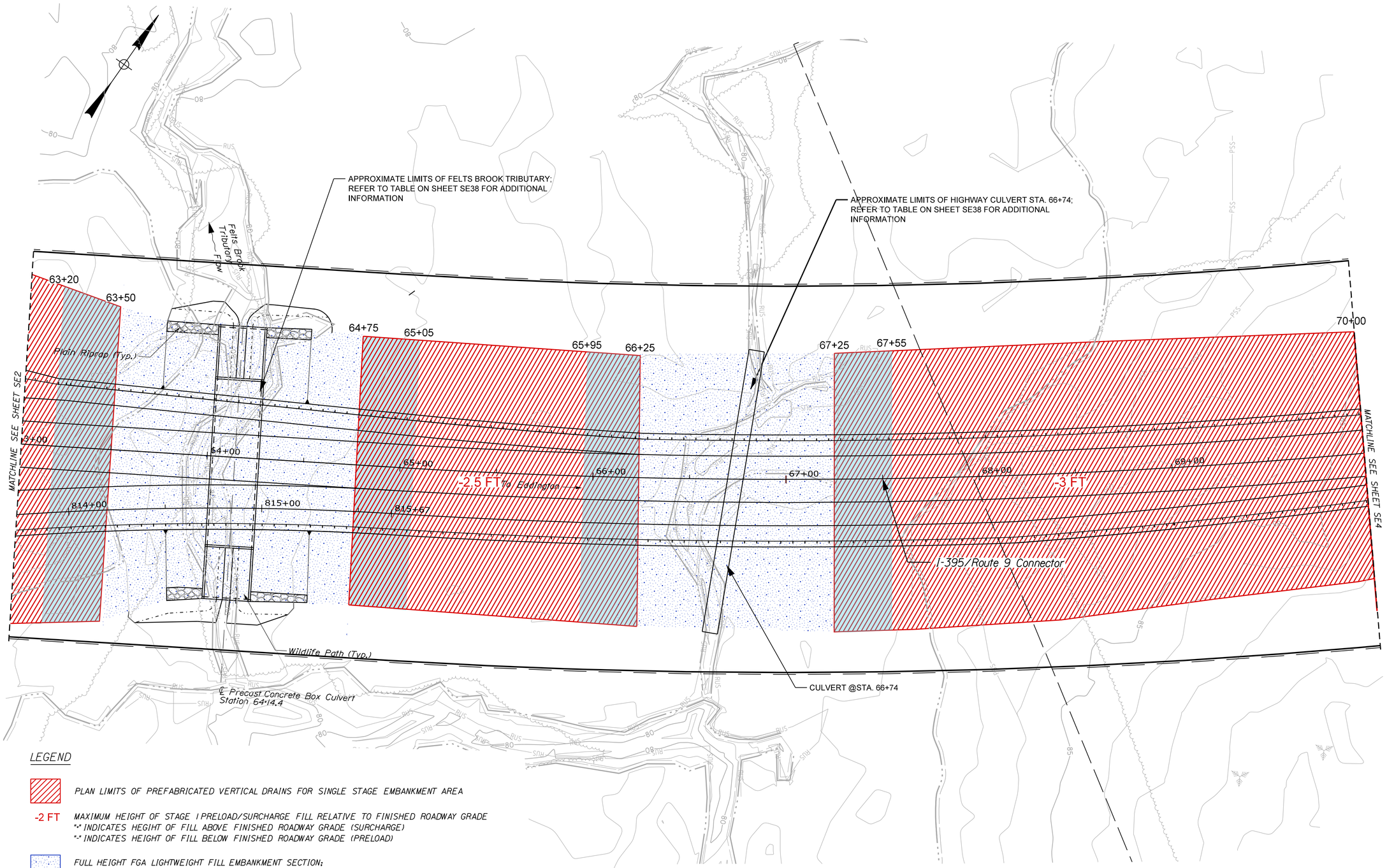
BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

SPECIAL EMBANKMENT
CONSTRUCTION PLAN - AREA1 (2 OF 8)

SHEET NUMBER

SE2

OF 52



LEGEND

PLAN LIMITS OF PREFABRICATED VERTICAL DRAINS FOR SINGLE STAGE EMBANKMENT AREA

-2 FT — MAXIMUM HEIGHT OF STAGE I PRELOAD/SURCHARGE FILL RELATIVE TO FINISHED ROADWAY GRADE
"+" INDICATES HEGIHT OF FILL ABOVE FINISHED ROADWAY GRADE (SURCHARGE)
"-" INDICATES HEIGHT OF FILL BELOW FINISHED ROADWAY GRADE (PRELOAD)

FULL HEIGHT FGA LIGHTWEIGHT FILL EMBANKMENT SECTION:
NO PREFABRICATED VERTICAL DRAINS REQUIRED

TRANSITION AREA FROM FULL HEIGHT FGA LIGHTWEIGHT FILL EMBANKMENT SECTION TO NORMAL WEIGHT FILL EMBANKMENT SECTION; PREFABRICATED VERTICAL DRAINS REQUIRED

1. REFER TO SHEET SE1 FOR NOTES.

PLAN

25 0 25 50
Scale of Feet

HALEY ALDRICH

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00

HIGHWAY PLANS

STATE OF MAINE — WAYNE A. CHADBOURNE — No. 10620 — PROFESSIONAL ENGINEER — LICENSED

PROJ. MANAGER	----------	BY	DATE
DESIGN-DETAILED	E. FORCE	K. POST	7-15-21
CHECKED-REVIEWED	E. FORCE	W. CHADBOURNE	9-17-21
DESIGN2-DETAILED2	-----	-----	-----
DESIGN3-DETAILED3	-----	-----	-----
REVISIONS 1	-----	-----	-----
REVISIONS 2	-----	-----	-----
REVISIONS 3	-----	-----	-----
REVISIONS 4	-----	-----	-----
FIELD CHANGES	-----	-----	-----

SIGNATURE

0620
P.E. NUMBER

9-17-21
DATE

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

SPECIAL EMBANKMENT
CONSTRUCTION PLAN - AREA 1 (3 OF 8)

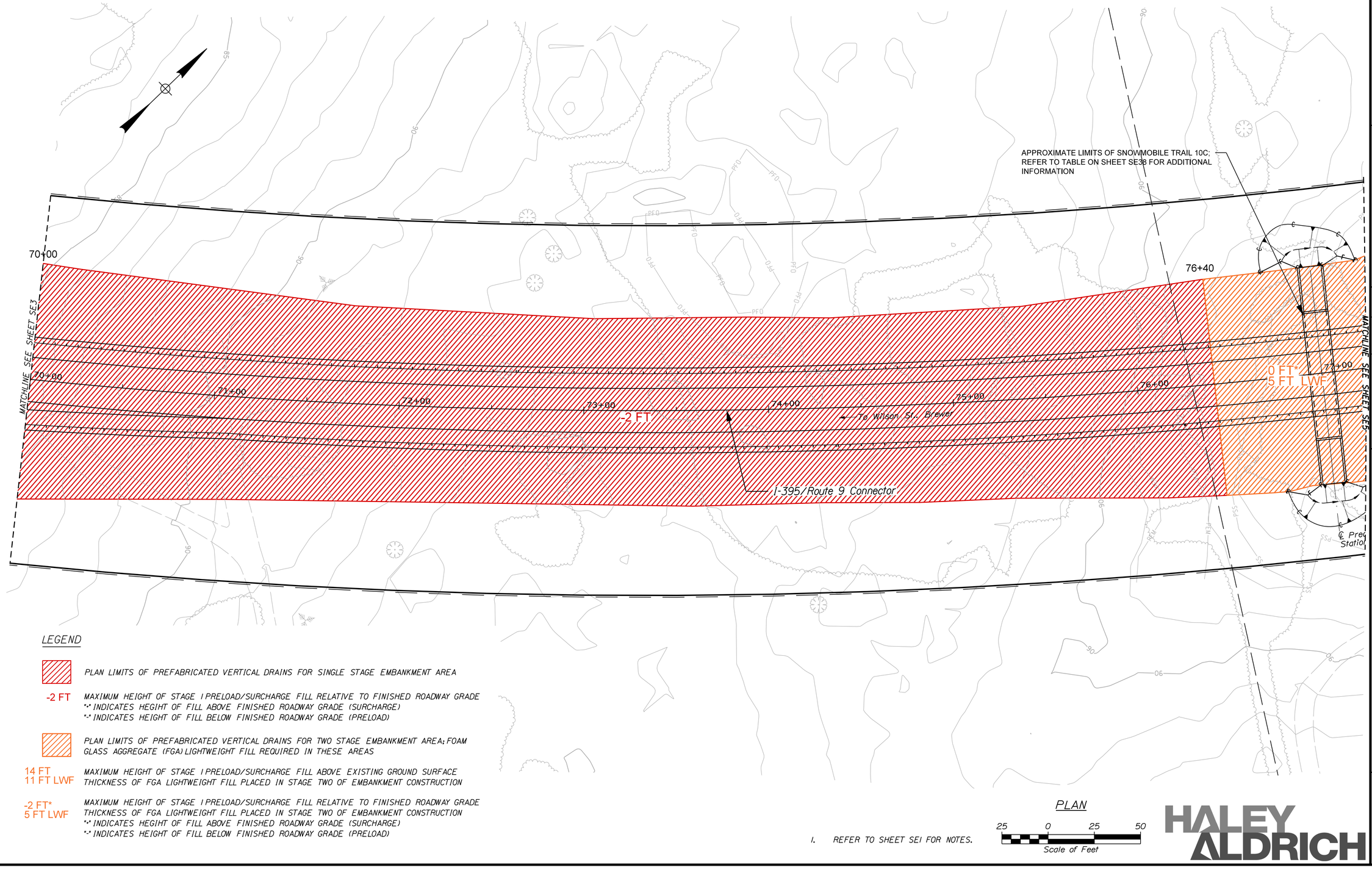
SHEET NUMBER

SE3

OF 52

Date:9/16/2021
Username:
Division:
Filename: ...\GSE_Plan10.dgn

Username:
Division:
Filename: ...\GSE_Plan11.dgn
Date:9/16/2021



LEGEND

PLAN LIMITS OF PREFABRICATED VERTICAL DRAINS FOR SINGLE STAGE EMBANKMENT AREA

-2 FT — MAXIMUM HEIGHT OF STAGE I PRELOAD/SURCHARGE FILL RELATIVE TO FINISHED ROADWAY GRADE
"-" INDICATES HEGIHT OF FILL ABOVE FINISHED ROADWAY GRADE (SURCHARGE)
"-" INDICATES HEIGHT OF FILL BELOW FINISHED ROADWAY GRADE (PRELOAD)

PLAN LIMITS OF PREFABRICATED VERTICAL DRAINS FOR TWO STAGE EMBANKMENT AREA; FOAM GLASS AGGREGATE (FGA) LIGHTWEIGHT FILL REQUIRED IN THESE AREAS

14 FT
11 FT LWF — MAXIMUM HEIGHT OF STAGE I PRELOAD/SURCHARGE FILL ABOVE EXISTING GROUND SURFACE
THICKNESS OF FGA LIGHTWEIGHT FILL PLACED IN STAGE TWO OF EMBANKMENT CONSTRUCTION

-2 FT*
5 FT LWF — MAXIMUM HEIGHT OF STAGE I PRELOAD/SURCHARGE FILL RELATIVE TO FINISHED ROADWAY GRADE
THICKNESS OF FGA LIGHTWEIGHT FILL PLACED IN STAGE TWO OF EMBANKMENT CONSTRUCTION
"-" INDICATES HEGIHT OF FILL ABOVE FINISHED ROADWAY GRADE (SURCHARGE)
"-" INDICATES HEIGHT OF FILL BELOW FINISHED ROADWAY GRADE (PRELOAD)

1. REFER TO SHEET SE1 FOR NOTES.

PLAN

25 0 25 50
Scale of Feet

HALEY ALDRICH

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN 018915.00

HIGHWAY PLANS

STATE OF MAINE
WAYNE A. CHAUDBOURNE
No. 10620
LICENSED PROFESSIONAL ENGINEER

SIGNATURE			
10620	P.E. NUMBER		
9-17-21	DATE		

PROJ. MANAGER	.....	.....	.....
DESIGN-DETAILED	E. FORCE	7-15-21	.....
CHECKED-REVIEWED	E. FORCE	9-17-21	.....
DESIGN2-DETAILED2	.....	.....	.....
DESIGN3-DETAILED3	.....	.....	.....
REVISIONS 1	.....	.....	.....
REVISIONS 2	.....	.....	.....
REVISIONS 3	.....	.....	.....
REVISIONS 4	.....	.....	.....
FIELD CHANGES	.....	.....	.....

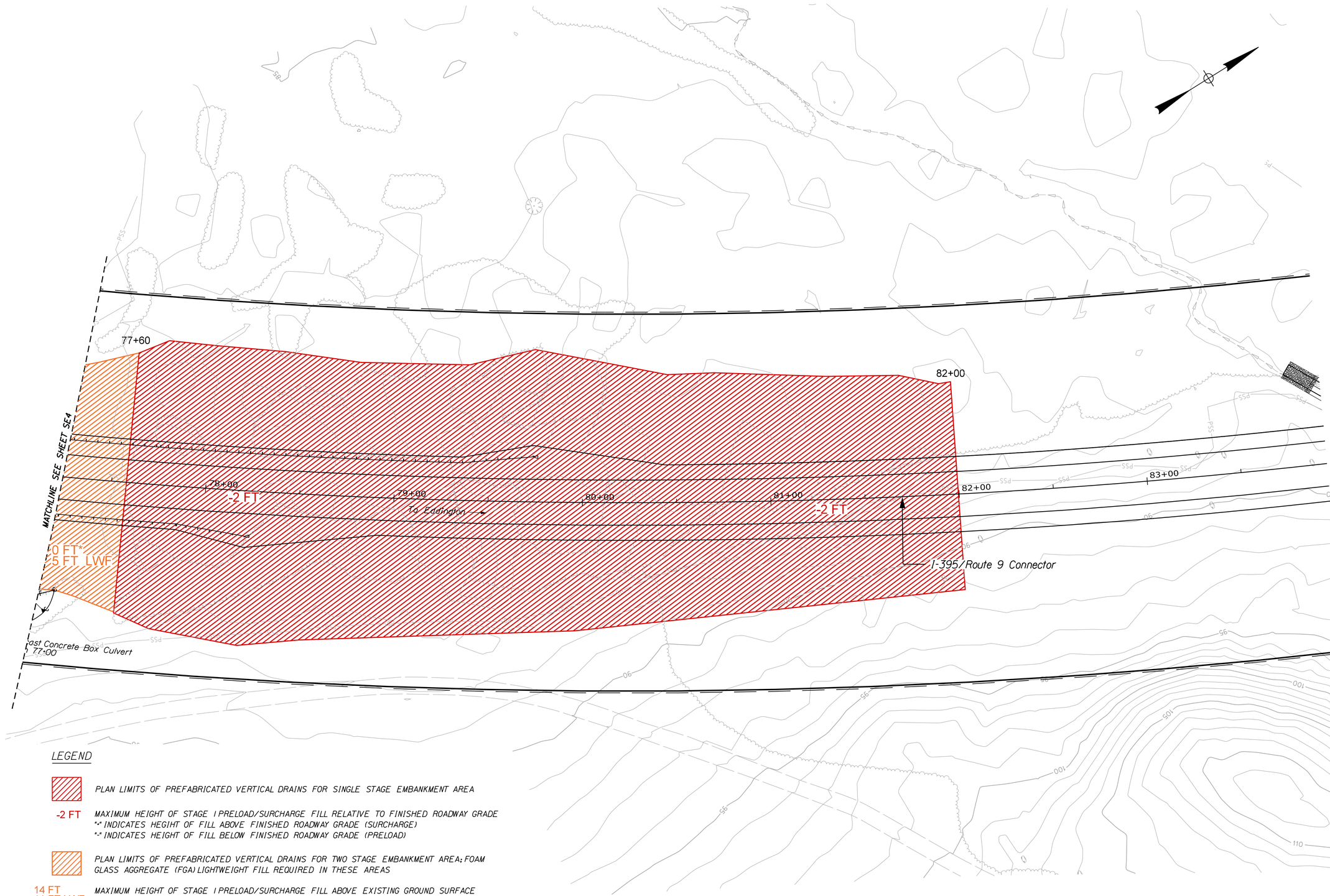
BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

SPECIAL EMBANKMENT
CONSTRUCTION PLAN - AREA 1 (4 OF 8)

SHEET NUMBER

SE4

OF 52



LEGEND

PLAN LIMITS OF PREFABRICATED VERTICAL DRAINS FOR SINGLE STAGE EMBANKMENT AREA

-2 FT — MAXIMUM HEIGHT OF STAGE I PRELOAD/SURCHARGE FILL RELATIVE TO FINISHED ROADWAY GRADE
"+" INDICATES HEGIHT OF FILL ABOVE FINISHED ROADWAY GRADE (SURCHARGE)
"-" INDICATES HEIGHT OF FILL BELOW FINISHED ROADWAY GRADE (PRELOAD)

PLAN LIMITS OF PREFABRICATED VERTICAL DRAINS FOR TWO STAGE EMBANKMENT AREA; FOAM GLASS AGGREGATE (FGA) LIGHTWEIGHT FILL REQUIRED IN THESE AREAS

14 FT
11 FT LWF — MAXIMUM HEIGHT OF STAGE I PRELOAD/SURCHARGE FILL ABOVE EXISTING GROUND SURFACE
THICKNESS OF FGA LIGHTWEIGHT FILL PLACED IN STAGE TWO OF EMBANKMENT CONSTRUCTION

-2 FT*
5 FT LWF — MAXIMUM HEIGHT OF STAGE I PRELOAD/SURCHARGE FILL RELATIVE TO FINISHED ROADWAY GRADE
THICKNESS OF FGA LIGHTWEIGHT FILL PLACED IN STAGE TWO OF EMBANKMENT CONSTRUCTION
"+" INDICATES HEGIHT OF FILL ABOVE FINISHED ROADWAY GRADE (SURCHARGE)
"-" INDICATES HEIGHT OF FILL BELOW FINISHED ROADWAY GRADE (PRELOAD)

1. REFER TO SHEET SE1 FOR NOTES.

PLAN

25 0 25 50
Scale of Feet

HALEY ALDRICH

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00

HIGHWAY PLANS

STATE OF MAINE — WAYNE A. CHAUDOURNE No. 10620 — LICENSED PROFESSIONAL ENGINEER

	BY	DATE
PROJ. MANAGER	.....	.....
DESIGN-DETAILED	K. POST	7-15-21
CHECKED-REVIEWED	W. CHAUDOURNE	9-17-21
DESIGN2-DETAILED2	.....	.....
DESIGN3-DETAILED3	.....	.....
REVISIONS 1	.....	.....
REVISIONS 2	.....	.....
REVISIONS 3	.....	.....
REVISIONS 4	.....	.....
FIELD CHANGES	.....	.....

SIGNATURE
10620
P.E. NUMBER
9-17-21
DATE

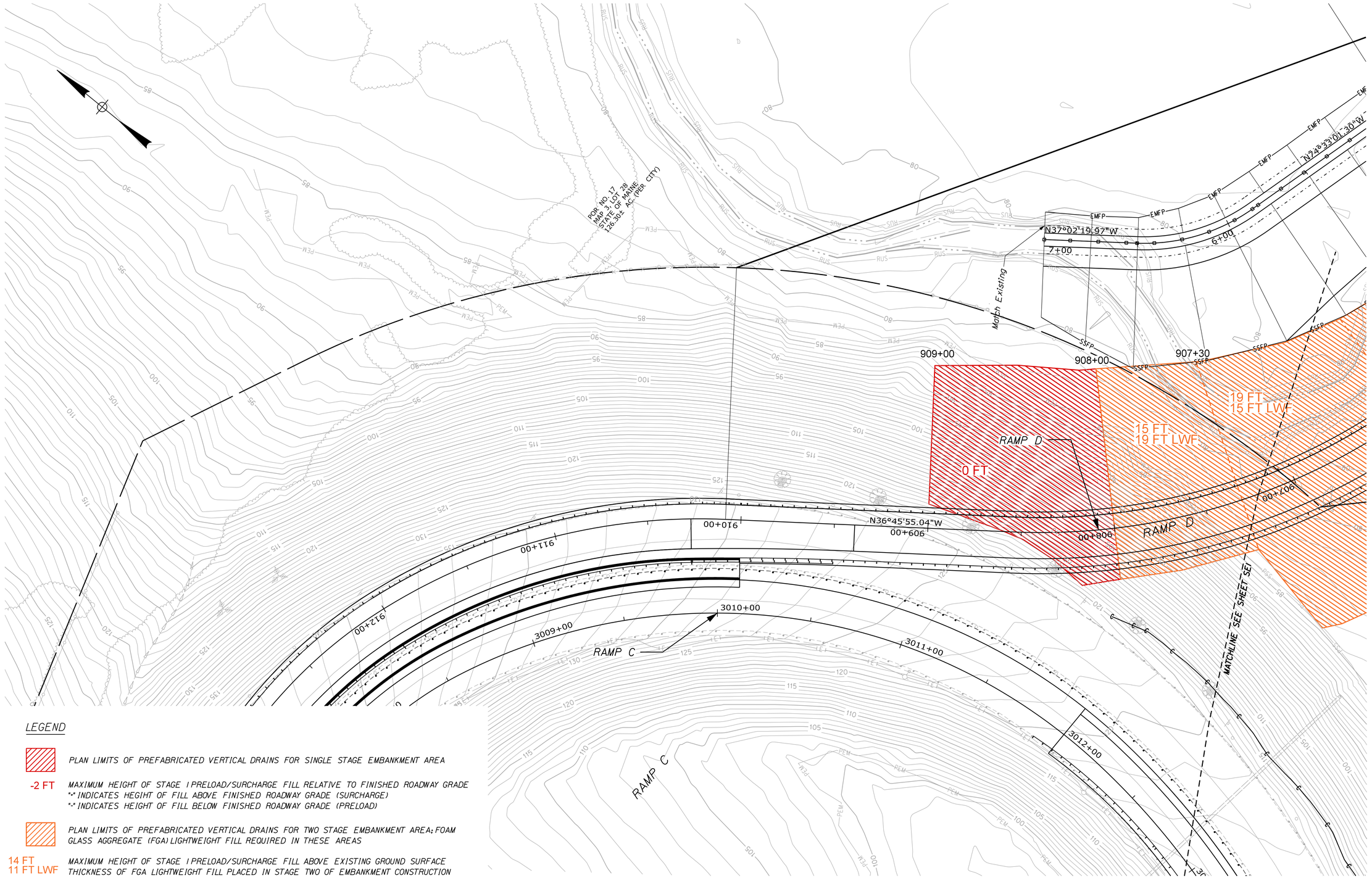
BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

SPECIAL EMBANKMENT
CONSTRUCTION PLAN - AREA 1 (5 OF 8)

SHEET NUMBER
SE5
OF 52

Filename: ...\GSE_Plan12.dgn Division: Username: Date:9/16/2021

Filename: ...\GSE_Plan50.DGN Division: Username: Date:9/16/2021



LEGEND

PLAN LIMITS OF PREFABRICATED VERTICAL DRAINS FOR SINGLE STAGE EMBANKMENT AREA

-2 FT — MAXIMUM HEIGHT OF STAGE 1 PRELOAD/SURCHARGE FILL RELATIVE TO FINISHED ROADWAY GRADE
"+" INDICATES HEGIHT OF FILL ABOVE FINISHED ROADWAY GRADE (SURCHARGE)
"-" INDICATES HEIGHT OF FILL BELOW FINISHED ROADWAY GRADE (PRELOAD)

PLAN LIMITS OF PREFABRICATED VERTICAL DRAINS FOR TWO STAGE EMBANKMENT AREA; FOAM GLASS AGGREGATE (FGA) LIGHTWEIGHT FILL REQUIRED IN THESE AREAS

14 FT
11 FT LWF — MAXIMUM HEIGHT OF STAGE 1 PRELOAD/SURCHARGE FILL ABOVE EXISTING GROUND SURFACE
THICKNESS OF FGA LIGHTWEIGHT FILL PLACED IN STAGE TWO OF EMBANKMENT CONSTRUCTION

-2 FT*
5 FT LWF — MAXIMUM HEIGHT OF STAGE 1 PRELOAD/SURCHARGE FILL RELATIVE TO FINISHED ROADWAY GRADE
THICKNESS OF FGA LIGHTWEIGHT FILL PLACED IN STAGE TWO OF EMBANKMENT CONSTRUCTION
"+" INDICATES HEGIHT OF FILL ABOVE FINISHED ROADWAY GRADE (SURCHARGE)
"-" INDICATES HEIGHT OF FILL BELOW FINISHED ROADWAY GRADE (PRELOAD)

1. REFER TO SHEET SE1 FOR NOTES.

PLAN

25 0 25 50
Scale of Feet

HALEY ALDRICH

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN 018915.00

HIGHWAY PLANS

STATE OF MAINE — WAYNE A. CHAUBOURNE — No. 10620 — LICENSED PROFESSIONAL ENGINEER

PROJ. MANAGER	.....	BY	DATE
DESIGN-DETAILED	E. FORCE	K. POST	7-15-21
CHECKED-REVIEWED	E. FORCE	W. CHAUBOURNE	9-17-21
DESIGN2-DETAILED2	-----	-----	-----
DESIGN3-DETAILED3	-----	-----	-----
REVISIONS 1	-----	-----	-----
REVISIONS 2	-----	-----	-----
REVISIONS 3	-----	-----	-----
REVISIONS 4	-----	-----	-----
FIELD CHANGES	-----	-----	-----

P.E. NUMBER 10620
9-17-21 DATE

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

SPECIAL EMBANKMENT
CONSTRUCTION PLAN - AREA 1 (6 OF 8)

SHEET NUMBER

SE6

OF 52

Filename: ...\GSE_Plan51.DGN Division: Username: Date:9/16/2021

96" RCP

MATCHLINE SEE SHEET SE8

MATCHLINE SEE SHEET SE2

RAMP E

RAMP E

RAMP F

20 FT
4 FT LWF

-2 FT

712+00

715+00

714+00

713+00

802+00

803+00

804+00

712+00

711+00

710+00

709+00

708+00

707+00

706+00

805+00

806+00

807+00

808+00

809+00

00+010

00+019

LEGEND

PLAN LIMITS OF PREFABRICATED VERTICAL DRAINS FOR SINGLE STAGE EMBANKMENT AREA

-2 FT — MAXIMUM HEIGHT OF STAGE I PRELOAD/SURCHARGE FILL RELATIVE TO FINISHED ROADWAY GRADE
"+" INDICATES HEGIHT OF FILL ABOVE FINISHED ROADWAY GRADE (SURCHARGE)
"-" INDICATES HEIGHT OF FILL BELOW FINISHED ROADWAY GRADE (PRELOAD)

PLAN LIMITS OF PREFABRICATED VERTICAL DRAINS FOR TWO STAGE EMBANKMENT AREA; FOAM GLASS AGGREGATE (FGA) LIGHTWEIGHT FILL REQUIRED IN THESE AREAS

14 FT
11 FT LWF — MAXIMUM HEIGHT OF STAGE I PRELOAD/SURCHARGE FILL ABOVE EXISTING GROUND SURFACE
THICKNESS OF FGA LIGHTWEIGHT FILL PLACED IN STAGE TWO OF EMBANKMENT CONSTRUCTION

-2 FT*
5 FT LWF — MAXIMUM HEIGHT OF STAGE I PRELOAD/SURCHARGE FILL RELATIVE TO FINISHED ROADWAY GRADE
THICKNESS OF FGA LIGHTWEIGHT FILL PLACED IN STAGE TWO OF EMBANKMENT CONSTRUCTION
"+" INDICATES HEGIHT OF FILL ABOVE FINISHED ROADWAY GRADE (SURCHARGE)
"-" INDICATES HEIGHT OF FILL BELOW FINISHED ROADWAY GRADE (PRELOAD)

1. REFER TO SHEET SEI FOR NOTES.

PLAN

25 0 25 50
Scale of Feet

HALEY ALDRICH

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500 HIGHWAY PLANS

WIN 018915.00 HIGHWAY PLANS

STATE OF MAINE
WAYNE A. CHAUBOURNE
No. 10620
LICENSED PROFESSIONAL ENGINEER

PROJ. MANAGER	.....	BY	DATE
DESIGN-DETAILED	E. FORCE	K. POST	7-15-21
CHECKED-REVIEWED	E. FORCE	W. CHAUBOURNE	9-17-21
DESIGN2-DETAILED2	.....	.....	.....
DESIGN3-DETAILED3	.....	.....	.....
REVISIONS 1	.....	.....	.....
REVISIONS 2	.....	.....	.....
REVISIONS 3	.....	.....	.....
REVISIONS 4	.....	.....	.....
FIELD CHANGES	.....	.....	.....

SIGNATURE

10620 P.E. NUMBER

9-17-21 DATE

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

SPECIAL EMBANKMENT
CONSTRUCTION PLAN - AREA 1 (7 OF 8)

SHEET NUMBER

SE7

OF 52

LEGEND

PLAN LIMITS OF PREFABRICATED VERTICAL DRAINS FOR SINGLE STAGE EMBANKMENT AREA

-2 FT — MAXIMUM HEIGHT OF STAGE 1 PRELOAD/SURCHARGE FILL RELATIVE TO FINISHED ROADWAY GRADE
"+" INDICATES HEGIHT OF FILL ABOVE FINISHED ROADWAY GRADE (SURCHARGE)
"-" INDICATES HEIGHT OF FILL BELOW FINISHED ROADWAY GRADE (PRELOAD)

PLAN LIMITS OF PREFABRICATED VERTICAL DRAINS FOR TWO STAGE EMBANKMENT AREA; FOAM GLASS AGGREGATE (FGA) LIGHTWEIGHT FILL REQUIRED IN THESE AREAS

14 FT
11 FT LWF — MAXIMUM HEIGHT OF STAGE 1 PRELOAD/SURCHARGE FILL ABOVE EXISTING GROUND SURFACE
THICKNESS OF FGA LIGHTWEIGHT FILL PLACED IN STAGE TWO OF EMBANKMENT CONSTRUCTION

-2 FT*
5 FT LWF — MAXIMUM HEIGHT OF STAGE 1 PRELOAD/SURCHARGE FILL RELATIVE TO FINISHED ROADWAY GRADE
THICKNESS OF FGA LIGHTWEIGHT FILL PLACED IN STAGE TWO OF EMBANKMENT CONSTRUCTION
"+" INDICATES HEGIHT OF FILL ABOVE FINISHED ROADWAY GRADE (SURCHARGE)
"-" INDICATES HEIGHT OF FILL BELOW FINISHED ROADWAY GRADE (PRELOAD)

1. REFER TO SHEET SE1 FOR NOTES.

PLAN

25 0 25 50
Scale of Feet

HALEY ALDRICH

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00

HIGHWAY PLANS

STATE OF MAINE
WAYNE A. CHADBOURNE
No. 10620
LICENSED PROFESSIONAL ENGINEER

	BY	DATE
PROJ. MANAGER	-----	-----
DESIGN-DETAILED	E. FORCE	7-15-21
CHECKED-REVIEWED	E. FORCE	9-17-21
DESIGN2-DETAILED2	-----	-----
DESIGN3-DETAILED3	-----	-----
REVISIONS 1	-----	-----
REVISIONS 2	-----	-----
REVISIONS 3	-----	-----
REVISIONS 4	-----	-----
FIELD CHANGES	-----	-----

W. CHADBOURNE — SIGNATURE
10620 — P.E. NUMBER
9-17-21 — DATE

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

SPECIAL EMBANKMENT
CONSTRUCTION PLAN - AREA 1 (8 OF 8)

SHEET NUMBER
SE8
OF 52

Username: Division: Date:9/16/2021 Filename: ...\GSE_Plan53.DGN

Date:9/16/2021
Username:
Division:
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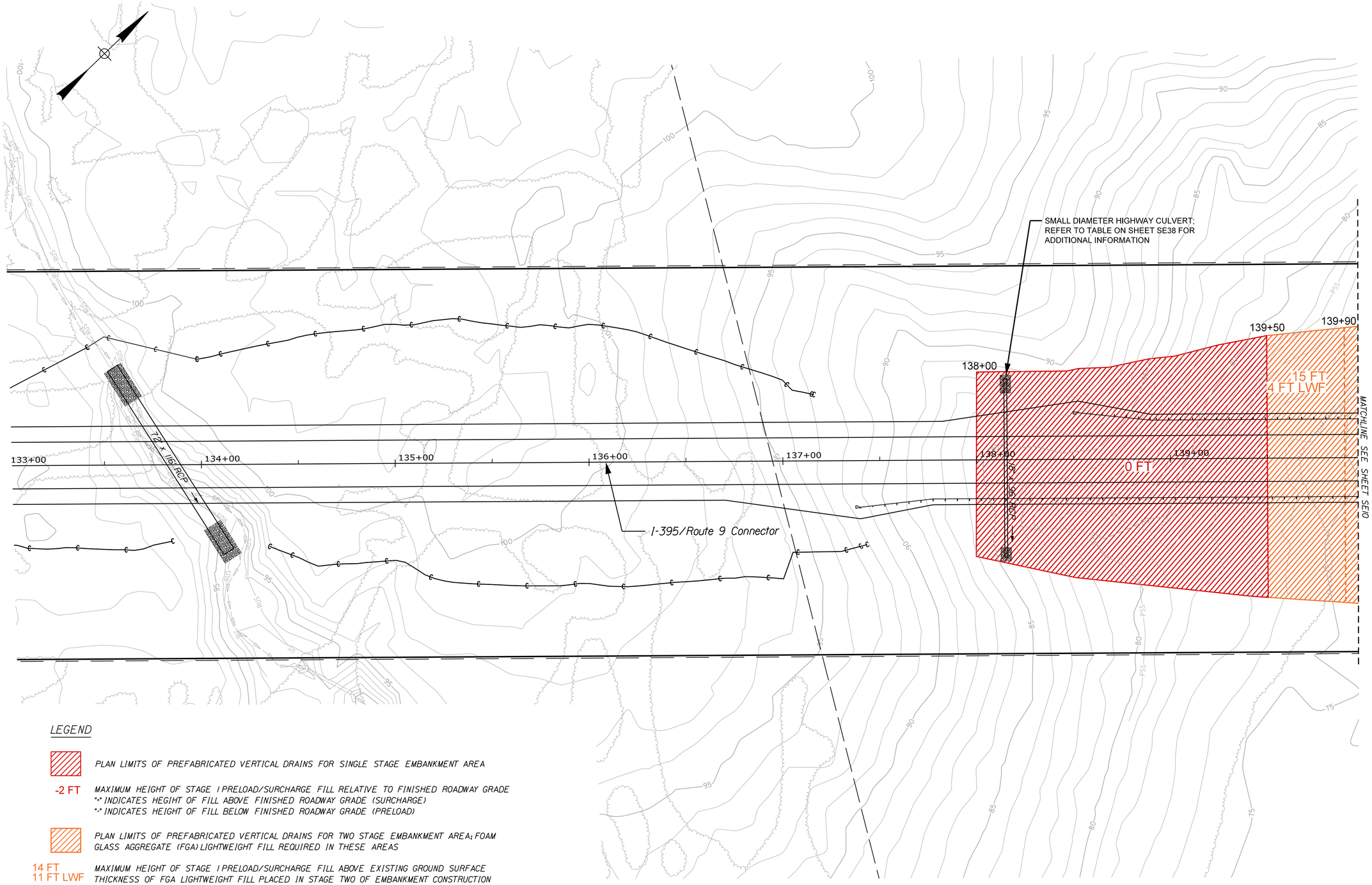


LEGEND

PLAN LIMITS OF PREFABRICATED VERTICAL DRAINS FOR SINGLE STAGE EMBANKMENT AREA

-2 FT — MAXIMUM HEIGHT OF STAGE I PRELOAD/SURCHARGE FILL RELATIVE TO FINISHED ROADWAY GRADE
"+" INDICATES HEGIHT OF FILL ABOVE FINISHED ROADWAY GRADE (SURCHARGE)
"-" INDICATES HEIGHT OF FILL BELOW FINISHED ROADWAY GRADE (PRELOAD)

PLAN LIMITS OF PREFABRICATED VERTICAL DRAINS FOR TWO STAGE EMBANKMENT AREA; FOAM GLASS AGGREGATE (FGA) LIGHTWEIGHT FILL REQUIRED IN THESE AREAS

14 FT
11 FT LWF — MAXIMUM HEIGHT OF STAGE I PRELOAD/SURCHARGE FILL ABOVE EXISTING GROUND SURFACE
THICKNESS OF FGA LIGHTWEIGHT FILL PLACED IN STAGE TWO OF EMBANKMENT CONSTRUCTION

-2 FT*
5 FT LWF — MAXIMUM HEIGHT OF STAGE I PRELOAD/SURCHARGE FILL RELATIVE TO FINISHED ROADWAY GRADE
THICKNESS OF FGA LIGHTWEIGHT FILL PLACED IN STAGE TWO OF EMBANKMENT CONSTRUCTION
"+" INDICATES HEGIHT OF FILL ABOVE FINISHED ROADWAY GRADE (SURCHARGE)
"-" INDICATES HEIGHT OF FILL BELOW FINISHED ROADWAY GRADE (PRELOAD)

1. REFER TO SHEET SE1 FOR NOTES.

PLAN

25 0 25 50
Scale of Feet

HALEY ALDRICH

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00

HIGHWAY PLANS

STATE OF MAINE · WAYNE A. CHADBOURNE · No. 10620 · LICENSED PROFESSIONAL ENGINEER

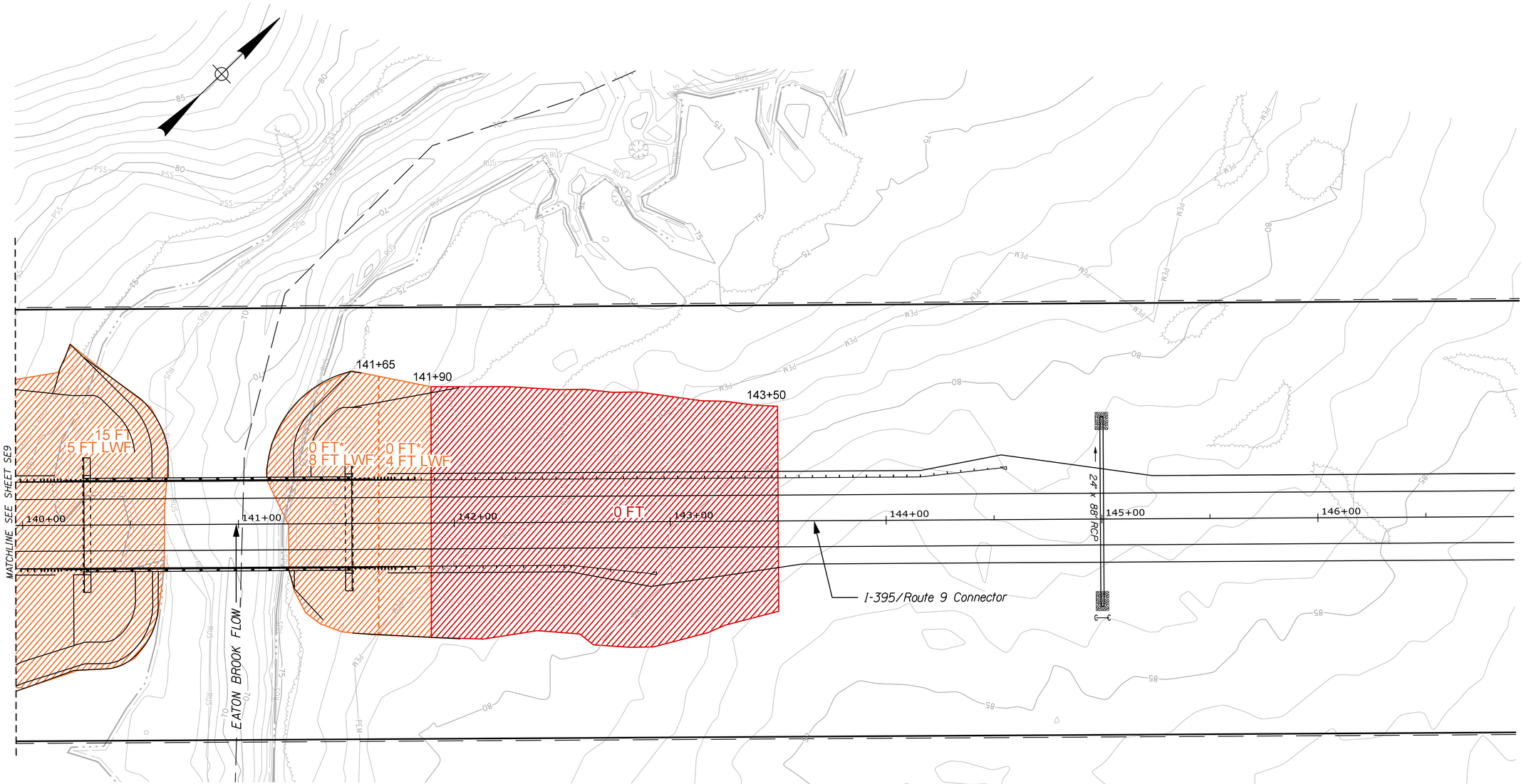
	BY	DATE
PROJ. MANAGER	.....	.....
DESIGN-DETAILED	K. POST	7-15-21
CHECKED-REVIEWED	E. FORCE	9-17-21
DESIGN2-DETAILED2	W. CHADBOURNE	.....
DESIGN3-DETAILED3	E. FORCE	.....
REVISIONS 1	.....	.....
REVISIONS 2	.....	.....
REVISIONS 3	.....	.....
REVISIONS 4	.....	.....
FIELD CHANGES	.....	.....

SIGNATURE
10620
P.E. NUMBER
9-17-21
DATE

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

SPECIAL EMBANKMENT
CONSTRUCTION PLAN - AREA 2 (1 OF 2)

SHEET NUMBER
SE9
OF 52



LEGEND

PLAN LIMITS OF PREFABRICATED VERTICAL DRAINS FOR SINGLE STAGE EMBANKMENT AREA

-2 FT — MAXIMUM HEIGHT OF STAGE I PRELOAD/SURCHARGE FILL RELATIVE TO FINISHED ROADWAY GRADE
"+" INDICATES HEGIHT OF FILL ABOVE FINISHED ROADWAY GRADE (SURCHARGE)
"-" INDICATES HEIGHT OF FILL BELOW FINISHED ROADWAY GRADE (PRELOAD)

PLAN LIMITS OF PREFABRICATED VERTICAL DRAINS FOR TWO STAGE EMBANKMENT AREA: FOAM GLASS AGGREGATE (FGA) LIGHTWEIGHT FILL REQUIRED IN THESE AREAS

14 FT
11 FT LWF — MAXIMUM HEIGHT OF STAGE I PRELOAD/SURCHARGE FILL ABOVE EXISTING GROUND SURFACE
THICKNESS OF FGA LIGHTWEIGHT FILL PLACED IN STAGE TWO OF EMBANKMENT CONSTRUCTION

-2 FT*
5 FT LWF — MAXIMUM HEIGHT OF STAGE I PRELOAD/SURCHARGE FILL RELATIVE TO FINISHED ROADWAY GRADE
THICKNESS OF FGA LIGHTWEIGHT FILL PLACED IN STAGE TWO OF EMBANKMENT CONSTRUCTION
"+" INDICATES HEGIHT OF FILL ABOVE FINISHED ROADWAY GRADE (SURCHARGE)
"-" INDICATES HEIGHT OF FILL BELOW FINISHED ROADWAY GRADE (PRELOAD)

1. REFER TO SHEET SE1 FOR NOTES.

PLAN

25 0 25 50
Scale of Feet

HALEY ALDRICH

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00

HIGHWAY PLANS

STATE OF MAINE
WAYNE A. CHAUDOURNE
No. 10620
LICENSED PROFESSIONAL ENGINEER

BY	DATE
K. POST	7-15-21
W. CHAUDOURNE	9-17-21

P.E. NUMBER 10620
9-17-21
SIGNATURE
DATE

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

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

SPECIAL EMBANKMENT
CONSTRUCTION PLAN - AREA 2 (2 OF 2)

SHEET NUMBER

SE10

OF 52

Filename: ...\GSE_Plan21.dgn Division: Username: Date:9/16/2021

Username:

Division:

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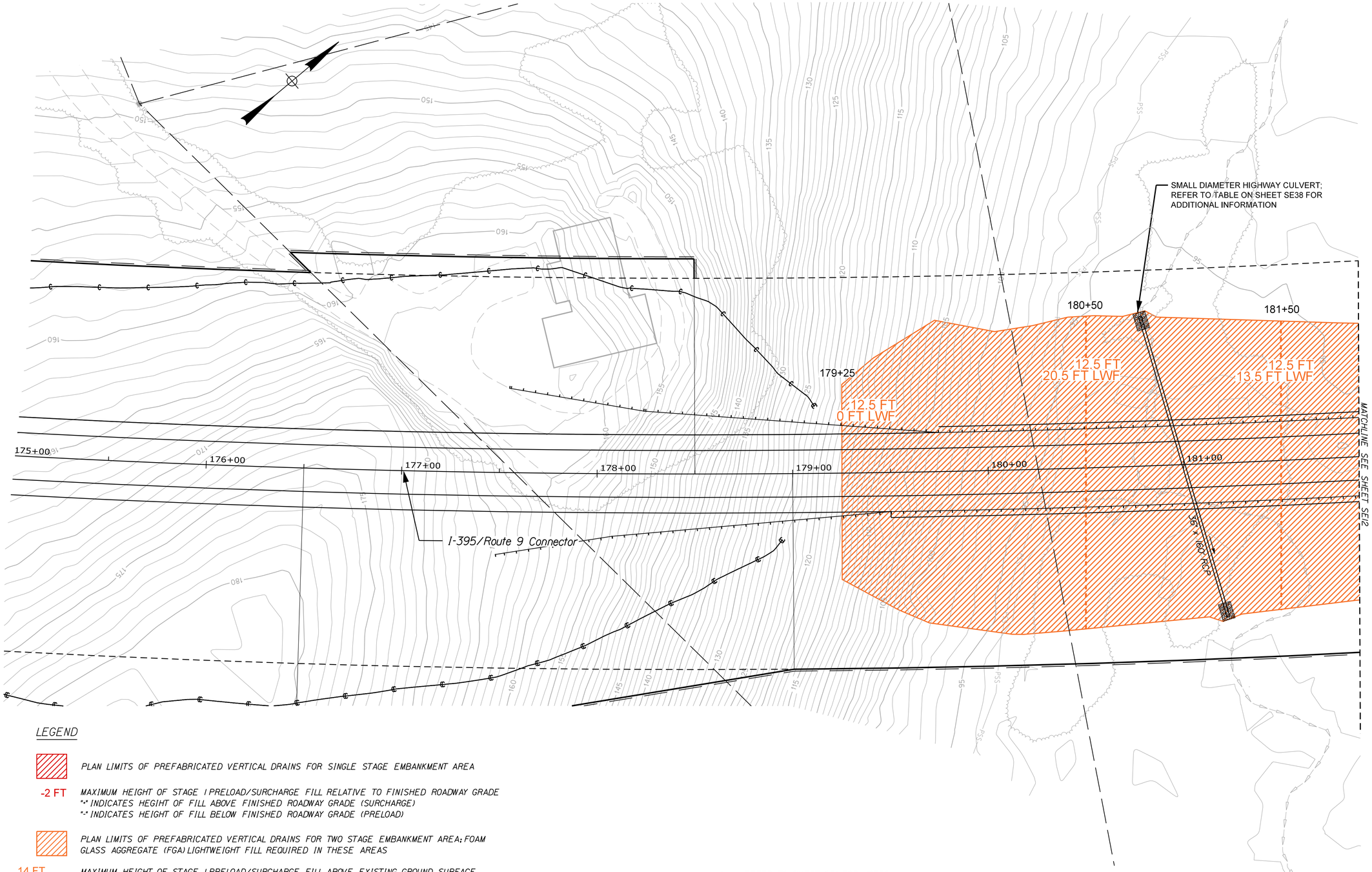
Date:9/16/2021



LEGEND

PLAN LIMITS OF PREFABRICATED VERTICAL DRAINS FOR SINGLE STAGE EMBANKMENT AREA

-2 FT — MAXIMUM HEIGHT OF STAGE I PRELOAD/SURCHARGE FILL RELATIVE TO FINISHED ROADWAY GRADE
"-" INDICATES HEGIHT OF FILL ABOVE FINISHED ROADWAY GRADE (SURCHARGE)
"-" INDICATES HEIGHT OF FILL BELOW FINISHED ROADWAY GRADE (PRELOAD)

PLAN LIMITS OF PREFABRICATED VERTICAL DRAINS FOR TWO STAGE EMBANKMENT AREA; FOAM GLASS AGGREGATE (FGA) LIGHTWEIGHT FILL REQUIRED IN THESE AREAS

14 FT
11 FT LWF — MAXIMUM HEIGHT OF STAGE I PRELOAD/SURCHARGE FILL ABOVE EXISTING GROUND SURFACE
THICKNESS OF FGA LIGHTWEIGHT FILL PLACED IN STAGE TWO OF EMBANKMENT CONSTRUCTION

-2 FT*
5 FT LWF — MAXIMUM HEIGHT OF STAGE I PRELOAD/SURCHARGE FILL RELATIVE TO FINISHED ROADWAY GRADE
THICKNESS OF FGA LIGHTWEIGHT FILL PLACED IN STAGE TWO OF EMBANKMENT CONSTRUCTION
"-" INDICATES HEGIHT OF FILL ABOVE FINISHED ROADWAY GRADE (SURCHARGE)
"-" INDICATES HEIGHT OF FILL BELOW FINISHED ROADWAY GRADE (PRELOAD)

1. REFER TO SHEET SE1 FOR NOTES.
2. MAXIMUM HEIGHT OF STAGE I PRELOAD/SURCHARGE FILL AND THICKNESS OF FGA LIGHTWEIGHT FILL INDICATED ON THIS SHEET ARE SPECIFIED AT STATION INDICATED. HEIGHT AND THICKNESS VARY LINEARLY BETWEEN STATIONS.

PLAN

25 0 25 50
Scale of Feet

HALEY ALDRICH

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00

HIGHWAY PLANS

STATE OF MAINE · WAYNE A. CHADBOURNE · No. 10620 · LICENSED PROFESSIONAL ENGINEER

	BY	DATE
PROJ. MANAGER	.....	.....
DESIGN-DETAILED	E. FORCE	7-15-21
CHECKED-REVIEWED	E. FORCE	9-17-21
DESIGN2-DETAILED2	.....	.....
DESIGN3-DETAILED3	.....	.....
REVISIONS 1	.....	.....
REVISIONS 2	.....	.....
REVISIONS 3	.....	.....
REVISIONS 4	.....	.....
FIELD CHANGES	.....	.....

SIGNATURE

10620
P.E. NUMBER

9-17-21
DATE

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

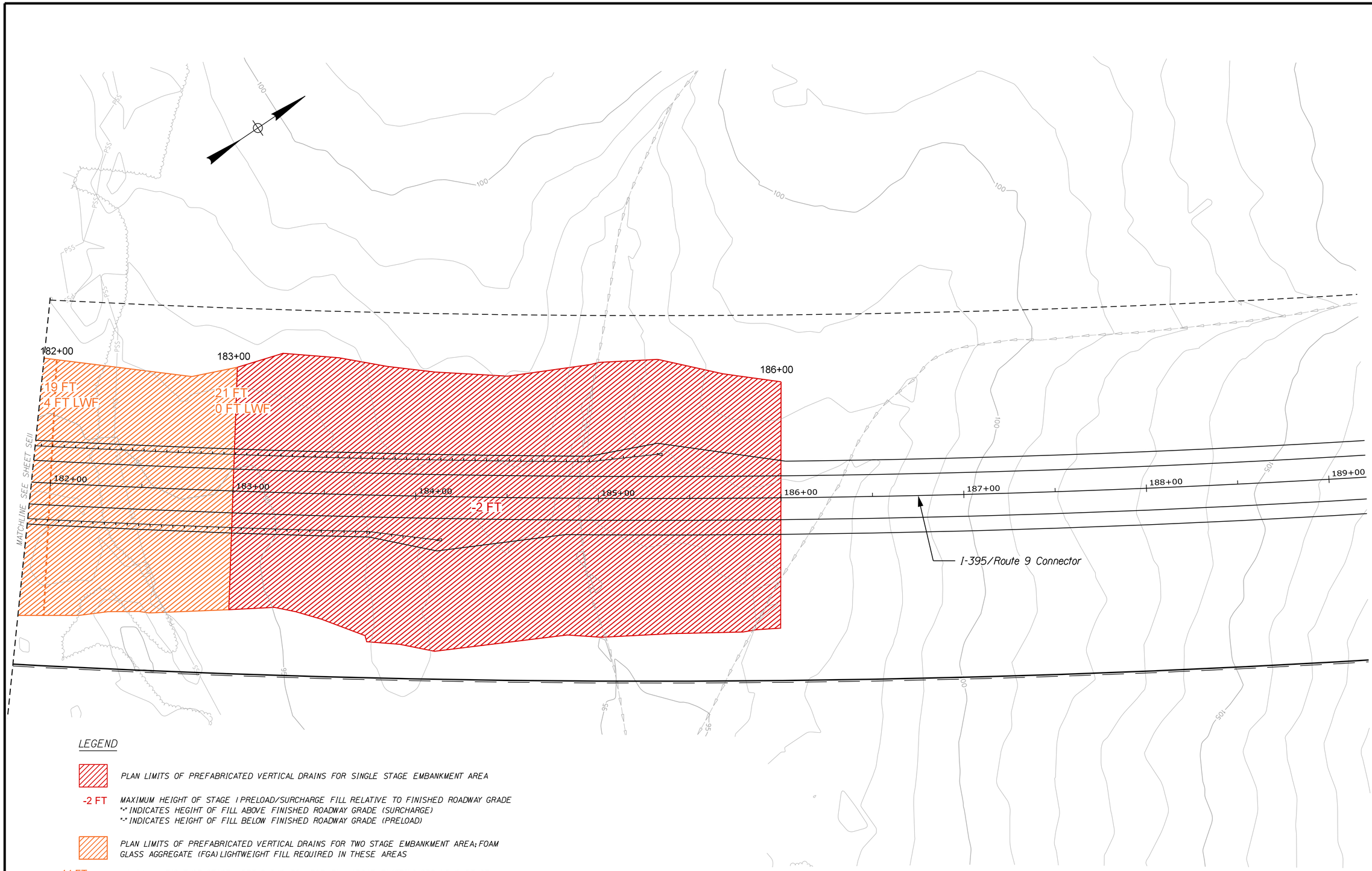
SPECIAL EMBANKMENT
CONSTRUCTION PLAN - AREA 4 (1 OF 2)

SHEET NUMBER

SE11

OF 52

Username:
Division:
Filename: ...\GSE_Plan27.dgn
Date:9/16/2021



LEGEND

PLAN LIMITS OF PREFABRICATED VERTICAL DRAINS FOR SINGLE STAGE EMBANKMENT AREA

-2 FT — MAXIMUM HEIGHT OF STAGE I PRELOAD/SURCHARGE FILL RELATIVE TO FINISHED ROADWAY GRADE
"-" INDICATES HEIGHT OF FILL ABOVE FINISHED ROADWAY GRADE (SURCHARGE)
"-" INDICATES HEIGHT OF FILL BELOW FINISHED ROADWAY GRADE (PRELOAD)

PLAN LIMITS OF PREFABRICATED VERTICAL DRAINS FOR TWO STAGE EMBANKMENT AREA; FOAM GLASS AGGREGATE (FGA) LIGHTWEIGHT FILL REQUIRED IN THESE AREAS

14 FT
11 FT LWF — MAXIMUM HEIGHT OF STAGE I PRELOAD/SURCHARGE FILL ABOVE EXISTING GROUND SURFACE
THICKNESS OF FGA LIGHTWEIGHT FILL PLACED IN STAGE TWO OF EMBANKMENT CONSTRUCTION

-2 FT*
5 FT LWF — MAXIMUM HEIGHT OF STAGE I PRELOAD/SURCHARGE FILL RELATIVE TO FINISHED ROADWAY GRADE
THICKNESS OF FGA LIGHTWEIGHT FILL PLACED IN STAGE TWO OF EMBANKMENT CONSTRUCTION
"-" INDICATES HEIGHT OF FILL ABOVE FINISHED ROADWAY GRADE (SURCHARGE)
"-" INDICATES HEIGHT OF FILL BELOW FINISHED ROADWAY GRADE (PRELOAD)

1. REFER TO SHEET SEI FOR NOTES.
2. MAXIMUM HEIGHT OF STAGE I PRELOAD/SURCHARGE FILL AND THICKNESS OF FGA LIGHTWEIGHT FILL INDICATED IN TWO STAGE AREAS ON THIS SHEET ARE SPECIFIED AT STATION INDICATED. HEIGHT AND THICKNESS VARY LINEARLY BETWEEN STATIONS.

PLAN
25 0 25 50
Scale of Feet

HALEY ALDRICH

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00

HIGHWAY PLANS

STATE OF MAINE · WAYNE A. CHADBOURNE · No. 10620 · PROFESSIONAL ENGINEER · LICENSED

	BY	DATE
PROJ. MANAGER	.....	.....
DESIGN-DETAILED	E. FORCE	7-15-21
CHECKED-REVIEWED	E. FORCE	9-17-21
DESIGN2-DETAILED2	.....	.....
DESIGN3-DETAILED3	.....	.....
REVISIONS 1	.....	.....
REVISIONS 2	.....	.....
REVISIONS 3	.....	.....
REVISIONS 4	.....	.....
FIELD CHANGES	.....	.....

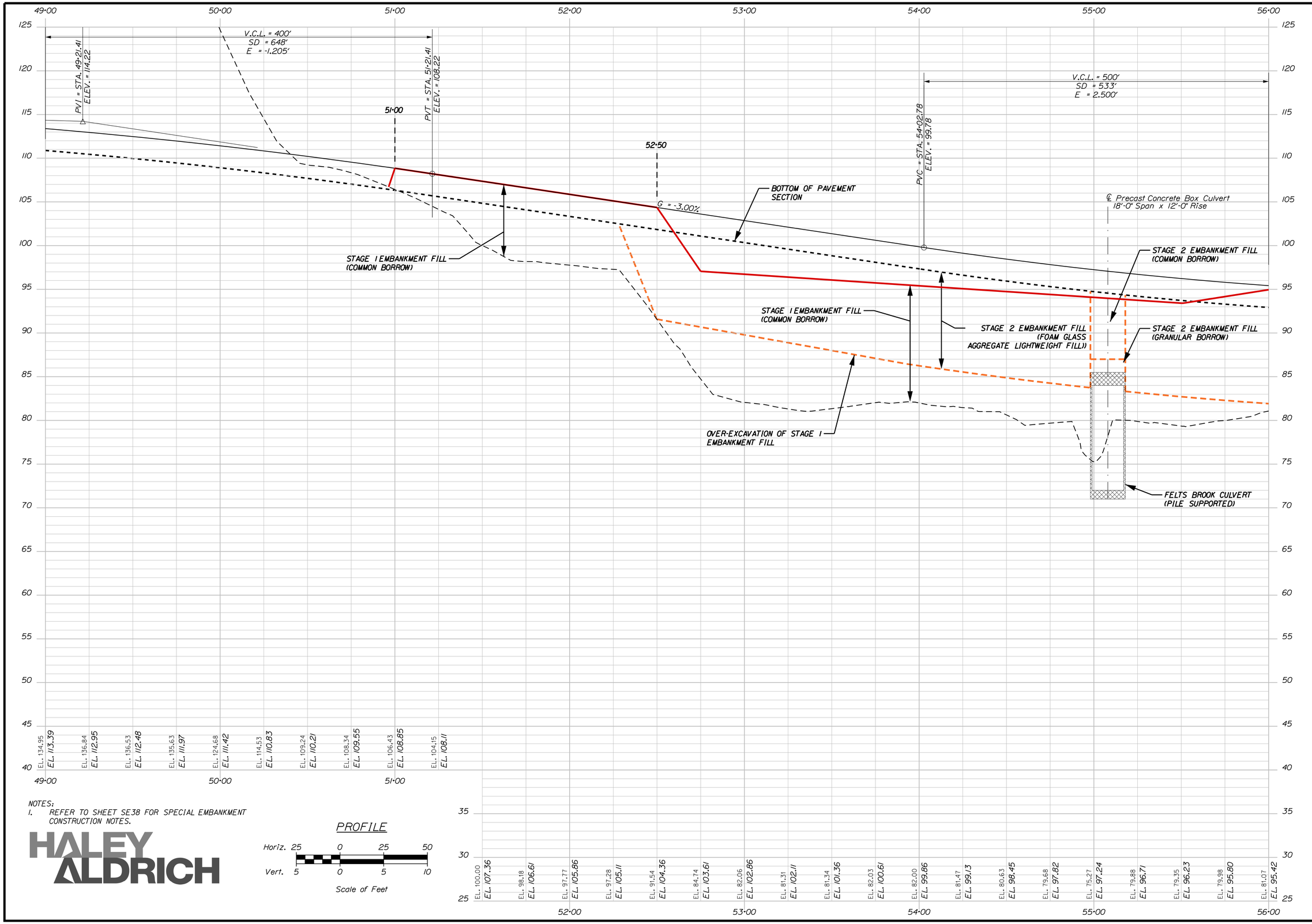
W. CHADBOURNE — SIGNATURE
10620 — P.E. NUMBER
9-17-21 — DATE

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

SPECIAL EMBANKMENT
CONSTRUCTION PLAN - AREA 4 (2 OF 2)

SHEET NUMBER
SE12
OF 52

Filename: ...\GSE_Profile8.dgn Division: Username: Date:9/16/2021



NOTES:
1. REFER TO SHEET SE38 FOR SPECIAL EMBANKMENT CONSTRUCTION NOTES.

PROFILE

Horiz. 25 0 25 50
Vert. 5 0 5 10
Scale of Feet

HALEY ALDRICH

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN 018915.00

HIGHWAY PLANS

STATE OF MAINE · WAYNE A. CHAUDBOURNE · No. 10620 · LICENSED PROFESSIONAL ENGINEER

	BY	DATE
PROJ. MANAGER	.....	.....
DESIGN-DETAILED	E. FORCE	6-18-21
CHECKED-REVIEWED	K. POST	9-17-21
DESIGN2-DETAILED2	E. FORCE	.....
DESIGN3-DETAILED3	W. CHAUDBOURNE	.....
REVISIONS 1	.....	.....
REVISIONS 2	.....	.....
REVISIONS 3	.....	.....
REVISIONS 4	.....	.....
FIELD CHANGES	.....	.....

10620 P.E. NUMBER

SIGNATURE

9-17-21 DATE

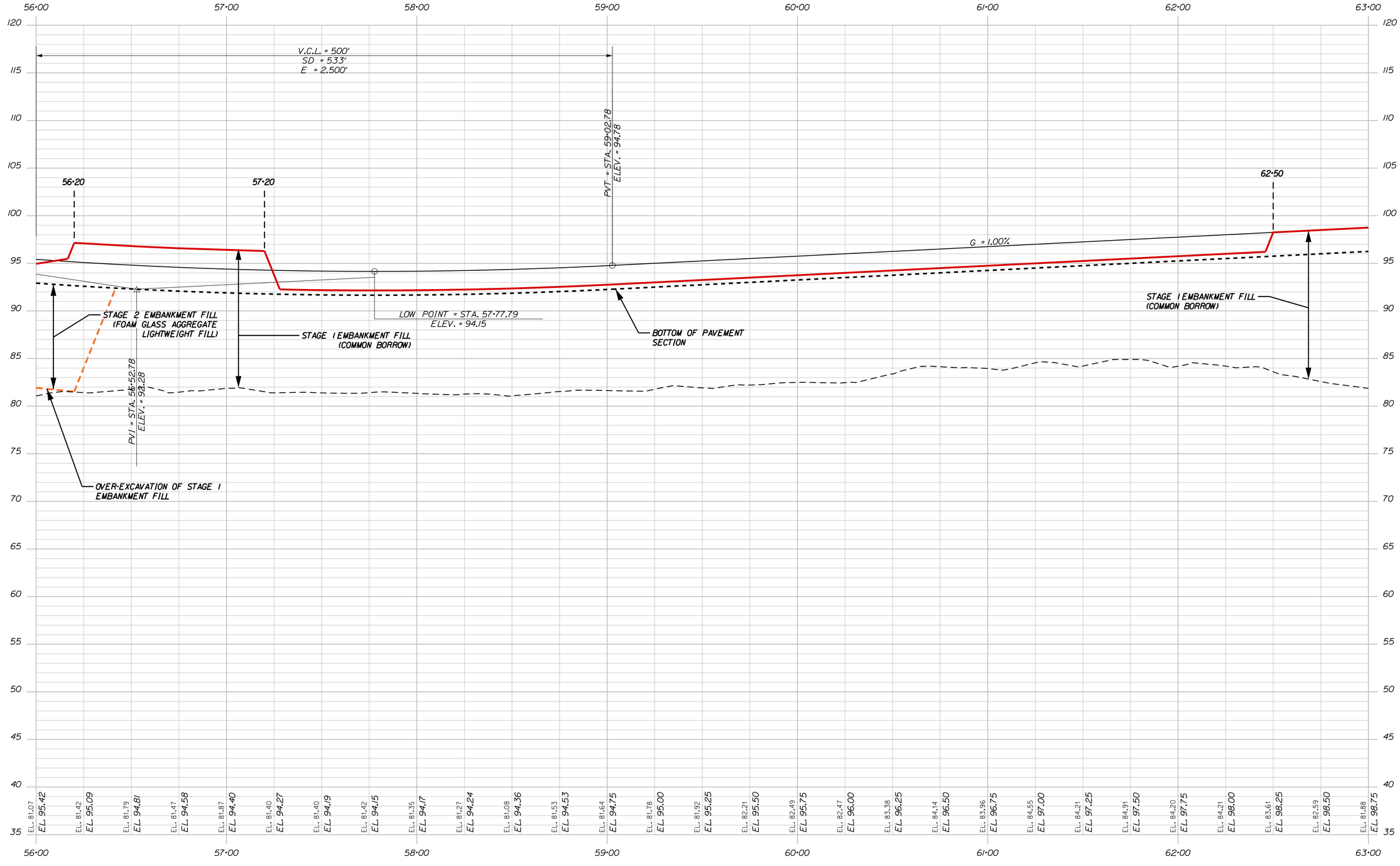
BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

SPECIAL EMBANKMENT CONSTRUCTION PROFILES - AREA 1 (1 OF 12)

SHEET NUMBER

SE13

OF 52



PROFILE

Horiz. 25 0 25 50

Vert. 5 0 5 10

Scale of Feet

NOTES:
1. REFER TO SHEET SE38 FOR SPECIAL EMBANKMENT CONSTRUCTON NOTES.

HALEY ALDRICH

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00

HIGHWAY PLANS

STATE OF MAINE · WAYNE A. CHADBOURNE · No. 10620 · LICENSED PROFESSIONAL ENGINEER

P.E. NUMBER 10620

DATE 9-17-21

	BY	DATE
PROJ. MANAGER	-----	-----
DESIGN-DETAILED	K. POST	6-18-21
CHECKED-REVIEWED	W. CHADBOURNE	9-17-21
DESIGN2-DETAILED2	-----	-----
DESIGN3-DETAILED3	-----	-----
REVISIONS 1	-----	-----
REVISIONS 2	-----	-----
REVISIONS 3	-----	-----
REVISIONS 4	-----	-----
FIELD CHANGES	-----	-----

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

SPECIAL EMBANKMENT CONSTRUCTION
PROFILES - AREA 1 (2 OF 12)

SHEET NUMBER

SE14

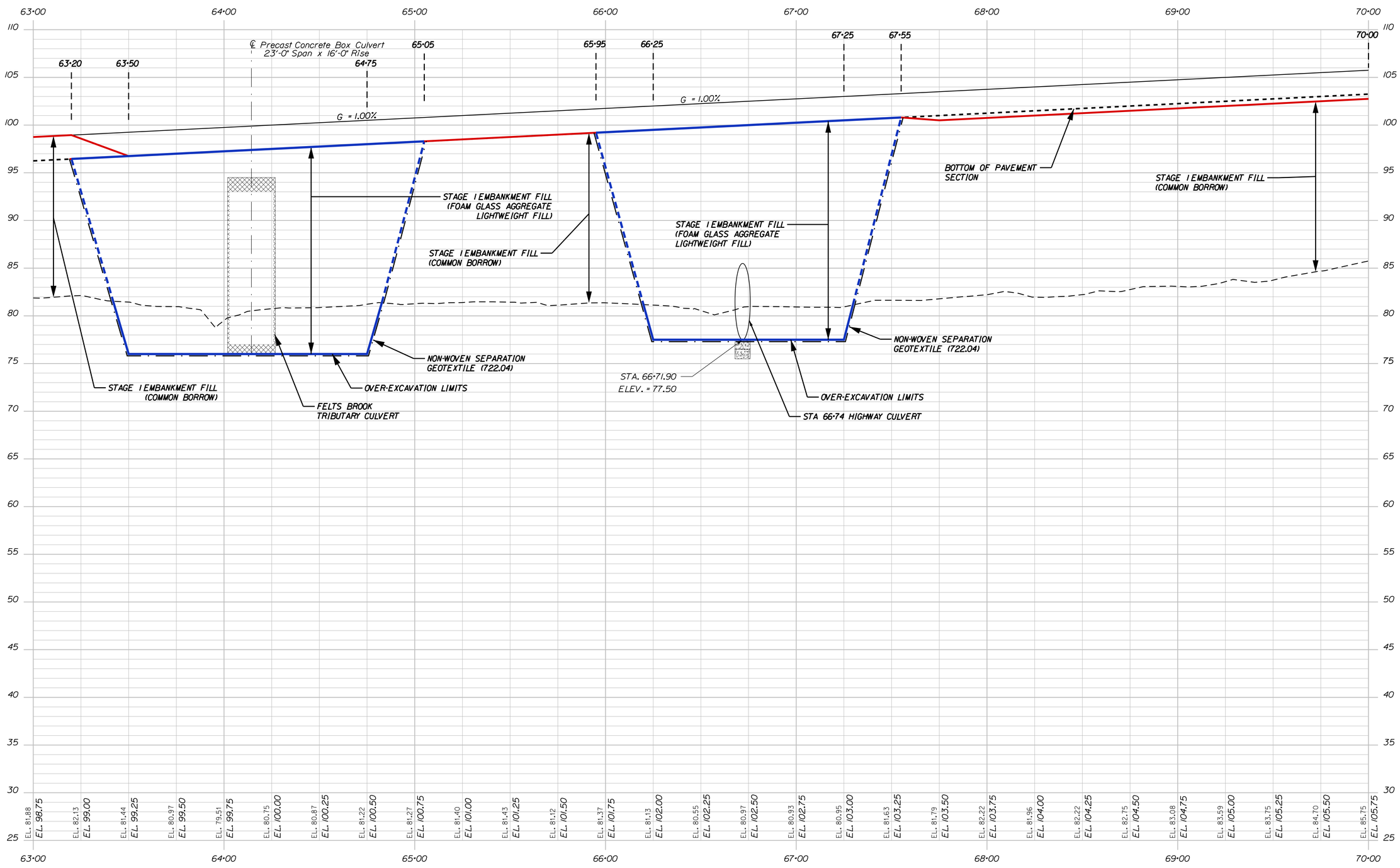
OF 52

Date:9/16/2021

Username:

Division:

Filename: ...\GSE_Profile9.dgn



PROFILE

Horiz. 25 0 25 50

Vert. 5 0 5 10

Scale of Feet

NOTES:
1. REFER TO SHEET SE38 FOR SPECIAL EMBANKMENT CONSTRUCTON NOTES.

HALEY ALDRICH

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN 018915.00

HIGHWAY PLANS

STATE OF MAINE · WAYNE A. CHADBOURNE · No. 10620 · PROFESSIONAL ENGINEER · LICENSED

	BY	DATE
PROJ. MANAGER	-----	-----
DESIGN-DETAILED	K. POST	6-18-21
CHECKED-REVIEWED	W. CHADBOURNE	9-17-21
DESIGN2-DETAILED2	-----	-----
DESIGN3-DETAILED3	-----	-----
REVISIONS 1	-----	-----
REVISIONS 2	-----	-----
REVISIONS 3	-----	-----
REVISIONS 4	-----	-----
FIELD CHANGES	-----	-----

E. FORCE
E. FORCE

SIGNATURE

10620
P.E. NUMBER

9-17-21
DATE

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

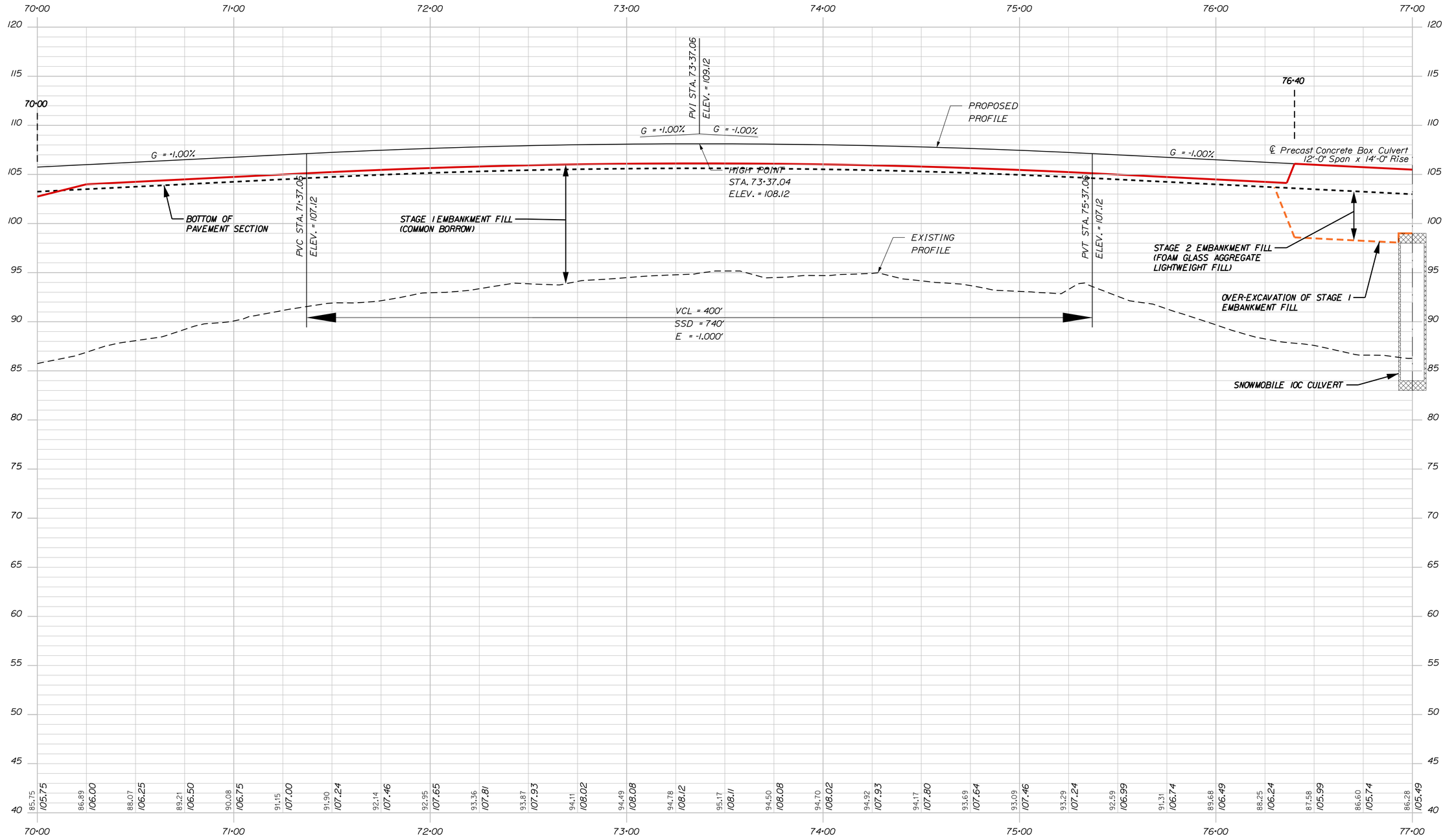
SPECIAL EMBANKMENT CONSTRUCTION
PROFILES - AREA 1 (3 OF 12)

SHEET NUMBER

SE15

OF 52

Filename: ...\GSE_Profile10.dgn Division: Username: Date:9/16/2021



PROFILE

Horiz. 25 0 25 50

Vert. 5 0 5 10

Scale of Feet

NOTES:
1. REFER TO SHEET SE38 FOR SPECIAL EMBANKMENT CONSTRUCTON NOTES.

HALEY ALDRICH

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00

HIGHWAY PLANS

STATE OF MAINE
WAYNE A. CHADBOURNE
No. 10620
LICENSED PROFESSIONAL ENGINEER

SIGNATURE		
P.E. NUMBER	10620	
DATE	9-17-21	

	BY	DATE
PROJ. MANAGER	-----	6-18-21
DESIGN-DETAILED	E. FORCE	9-17-21
CHECKED-REVIEWED	K. POST	-----
DESIGN2-DETAILED2	E. FORCE	-----
DESIGN3-DETAILED3	W. CHADBOURNE	-----
REVISIONS 1	-----	-----
REVISIONS 2	-----	-----
REVISIONS 3	-----	-----
REVISIONS 4	-----	-----
FIELD CHANGES	-----	-----

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

SPECIAL EMBANKMENT CONSTRUCTION
PROFILES - AREA 1 (4 OF 12)

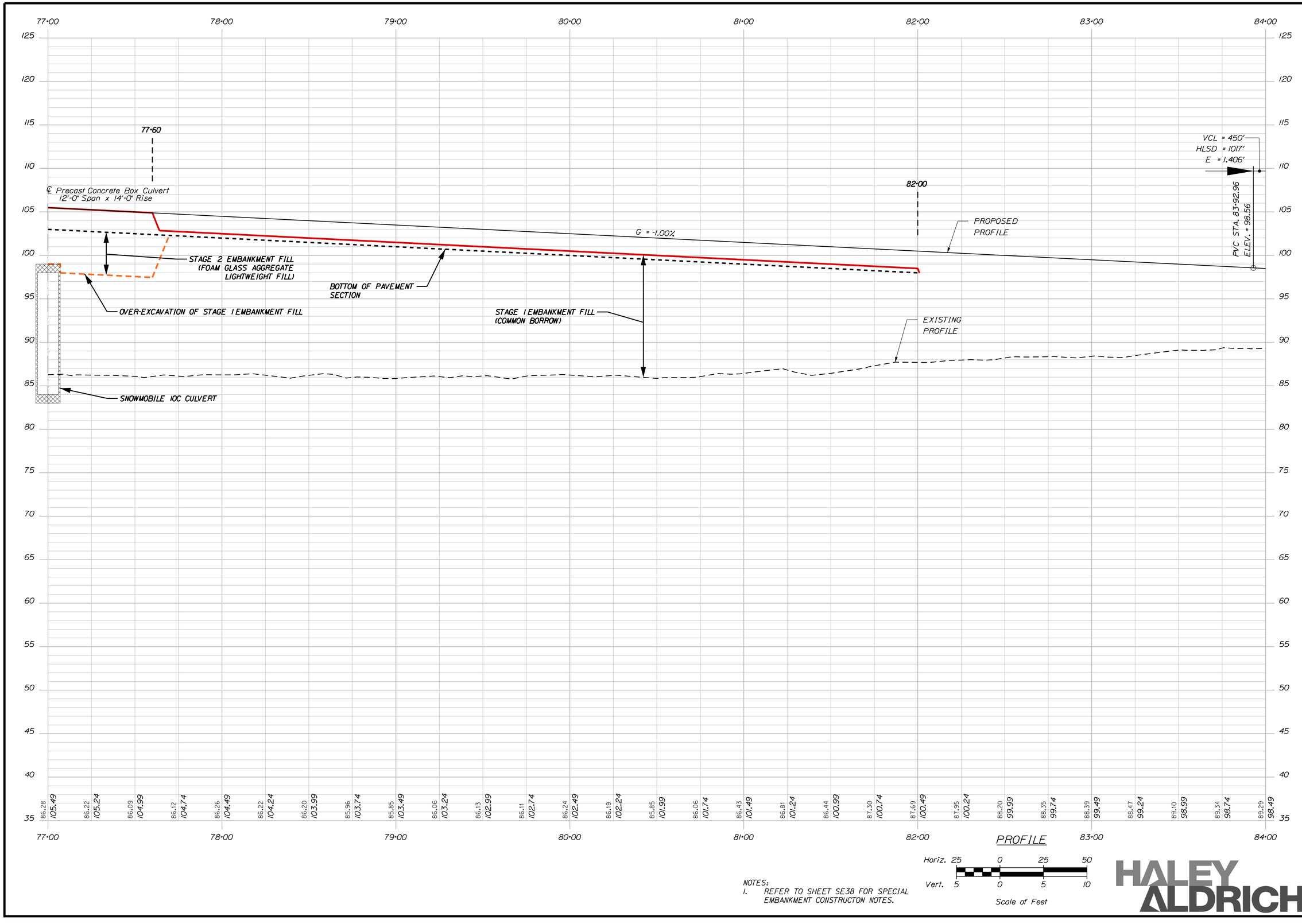
SHEET NUMBER

SE16

OF 52

Filename: ...\GSE_Profile11.dgn Division: Username: Date:9/16/2021

Date:9/16/2021
Username:
Division:
Filename: ...\CSE_Profile12.dgn



PROFILE

Horiz. 25 0 25 50
Vert. 5 0 5 10
Scale of Feet

NOTES:
1. REFER TO SHEET SE38 FOR SPECIAL EMBANKMENT CONSTRUCTON NOTES.

HALEY ALDRICH

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00

HIGHWAY PLANS

STATE OF MAINE · WAYNE A. CHADBOURNE · No. 10620 · LICENSED PROFESSIONAL ENGINEER

	BY	DATE
PROJ. MANAGER	----------	-----
DESIGN-DETAILED	E. FORCE	6-18-21
CHECKED-REVIEWED	E. FORCE	9-17-21
DESIGN2-DETAILED2	-----	-----
DESIGN3-DETAILED3	-----	-----
REVISIONS 1	-----	-----
REVISIONS 2	-----	-----
REVISIONS 3	-----	-----
REVISIONS 4	-----	-----
FIELD CHANGES	-----	-----

SIGNATURE
10620
P.E. NUMBER
9-17-21
DATE

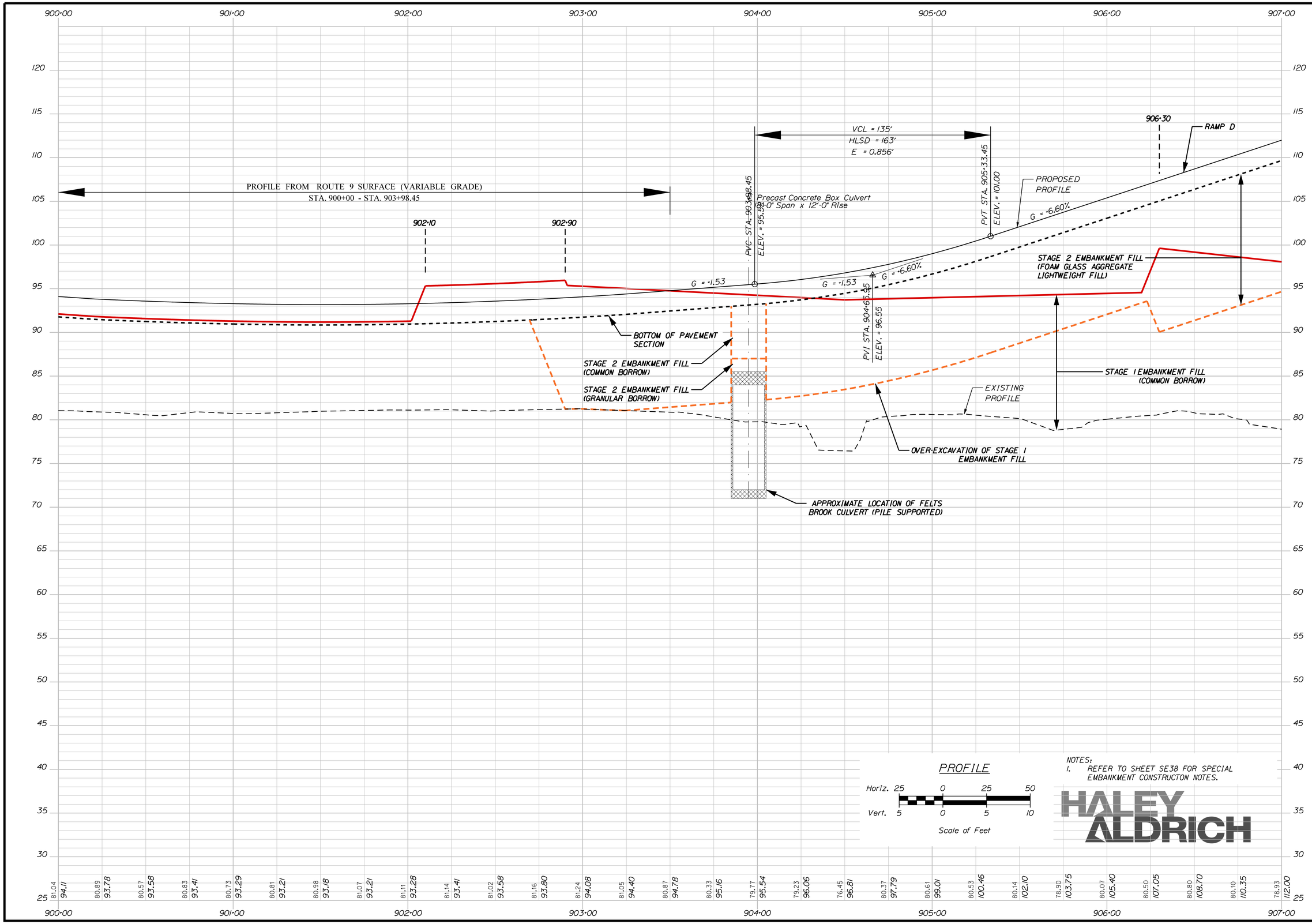
BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

SPECIAL EMBANKMENT CONSTRUCTION
PROFILES - AREA 1 (5 OF 12)

SHEET NUMBER

SE17

OF 52



PROFILE

Horiz. 25 0 25 50

Vert. 5 0 5 10

Scale of Feet

NOTES:
1. REFER TO SHEET SE38 FOR SPECIAL EMBANKMENT CONSTRUCTON NOTES.

HALEY ALDRICH

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN 018915.00

HIGHWAY PLANS

STATE OF MAINE · WAYNE A. CHADBOURNE · No. 10620 · PROFESSIONAL ENGINEER · LICENSED

P.E. NUMBER	10620	
SIGNATURE		
DATE	9-17-21	

	BY	DATE
PROJ. MANAGER	-----	-----
DESIGN-DETAILED	K. POST	6-18-21
CHECKED-REVIEWED	E. FORCE	9-17-21
DESIGN2-DETAILED2	W. CHADBOURNE	-----
DESIGN3-DETAILED3	-----	-----
REVISIONS 1	-----	-----
REVISIONS 2	-----	-----
REVISIONS 3	-----	-----
REVISIONS 4	-----	-----
FIELD CHANGES	-----	-----

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

SPECIAL EMBANKMENT CONSTRUCTION
PROFILES - AREA 1 (6 OF 12)

SHEET NUMBER

SE18

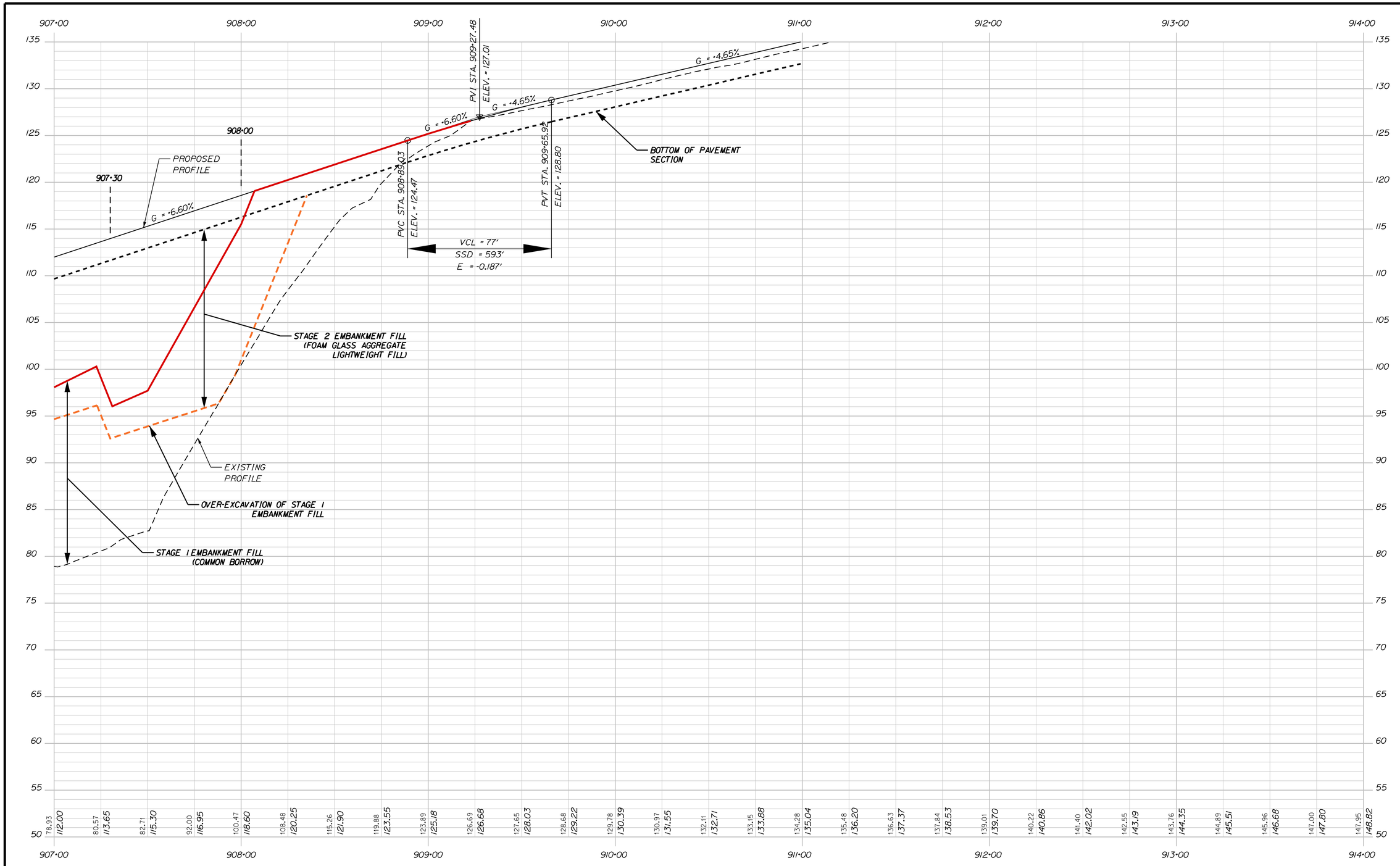
OF 52

Date:9/16/2021

Username:

Division:

Filename: ...\GSE_Profile50A Ramp D.dgn



PROFILE

Horiz. 25 0 25 50

Vert. 5 0 5 10

Scale of Feet

NOTES:
1. REFER TO SHEET SE38 FOR SPECIAL EMBANKMENT CONSTRUCTON NOTES.

HALEY ALDRICH

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN 018915.00

HIGHWAY PLANS

STATE OF MAINE · WAYNE A. CHAUBOURNE · No. 10620 · LICENSED PROFESSIONAL ENGINEER

	BY	DATE
PROJ. MANAGER	-----	-----
DESIGN-DETAILED	E. FORCE	6-18-21
CHECKED-REVIEWED	E. FORCE	9-17-21
DESIGN2-DETAILED2	-----	-----
DESIGN3-DETAILED3	-----	-----
REVISIONS 1	-----	-----
REVISIONS 2	-----	-----
REVISIONS 3	-----	-----
REVISIONS 4	-----	-----
FIELD CHANGES	-----	-----

K. POST
W. CHAUBOURNE
10620 P.E. NUMBER
9-17-21 DATE
SIGNATURE

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

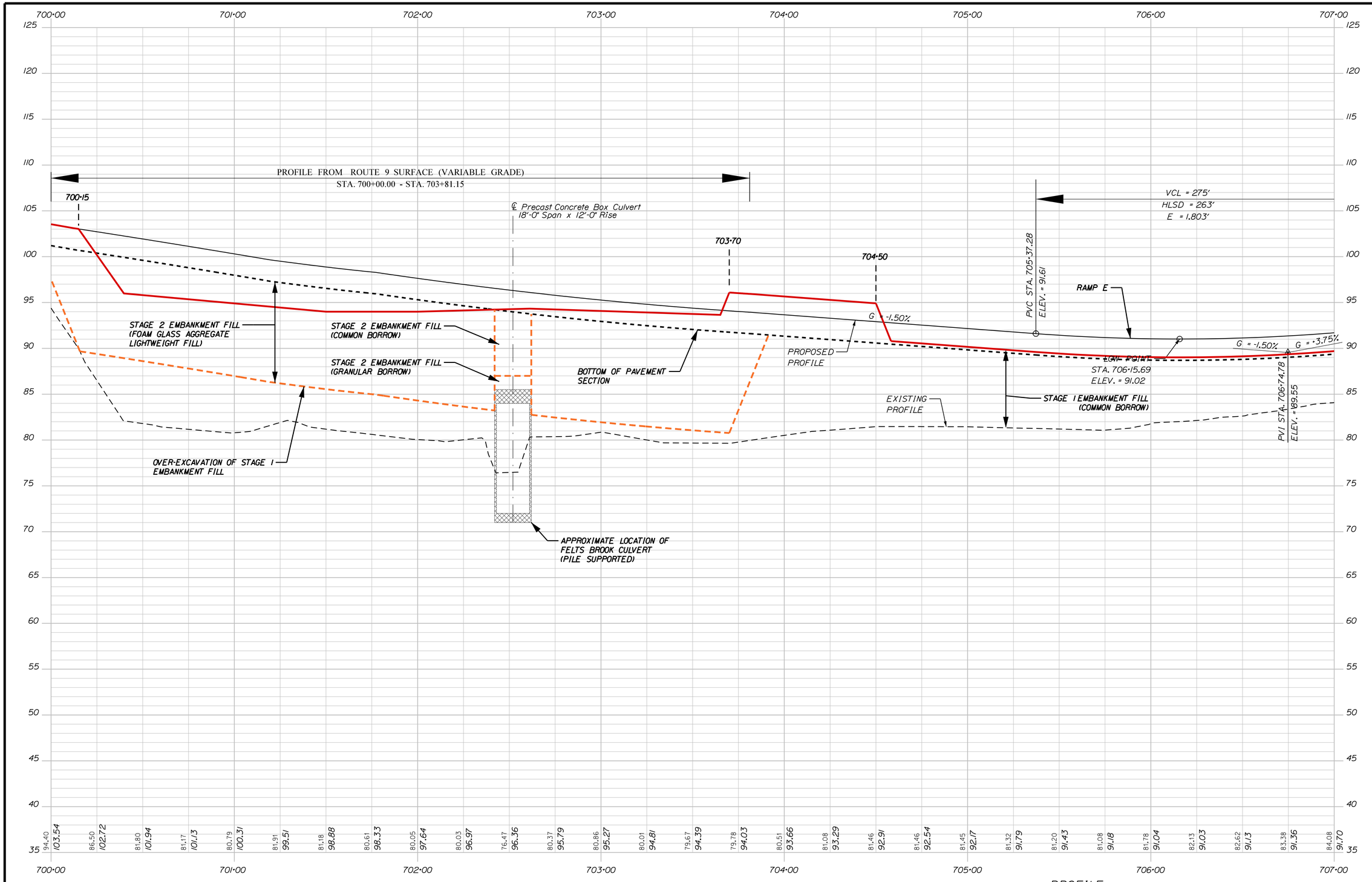
SPECIAL EMBANKMENT CONSTRUCTION PROFILES - AREA 1 (7 OF 12)

SHEET NUMBER

SE19

OF 52

Filename: ...\GSE_Profile50B Ramp D.dgn Division: Username: Date:9/16/2021



PROFILE

Horiz. 25 0 25 50

Vert. 5 0 5 10

Scale of Feet

NOTES:
1. REFER TO SHEET SE38 FOR SPECIAL EMBANKMENT CONSTRUCTON NOTES.

HALEY ALDRICH

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN 018915.00

HIGHWAY PLANS

STATE OF MAINE · WAYNE A. CHADBOURNE · No. 10620 · LICENSED PROFESSIONAL ENGINEER

	BY	DATE
PROJ. MANAGER	-----	-----
DESIGN-DETAILED	E. FORCE	6-18-21
CHECKED-REVIEWED	E. FORCE	9-17-21
DESIGN2-DETAILED2	-----	-----
DESIGN3-DETAILED3	-----	-----
REVISIONS 1	-----	-----
REVISIONS 2	-----	-----
REVISIONS 3	-----	-----
REVISIONS 4	-----	-----
FIELD CHANGES	-----	-----

SIGNATURE

10620 P.E. NUMBER

9-17-21 DATE

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

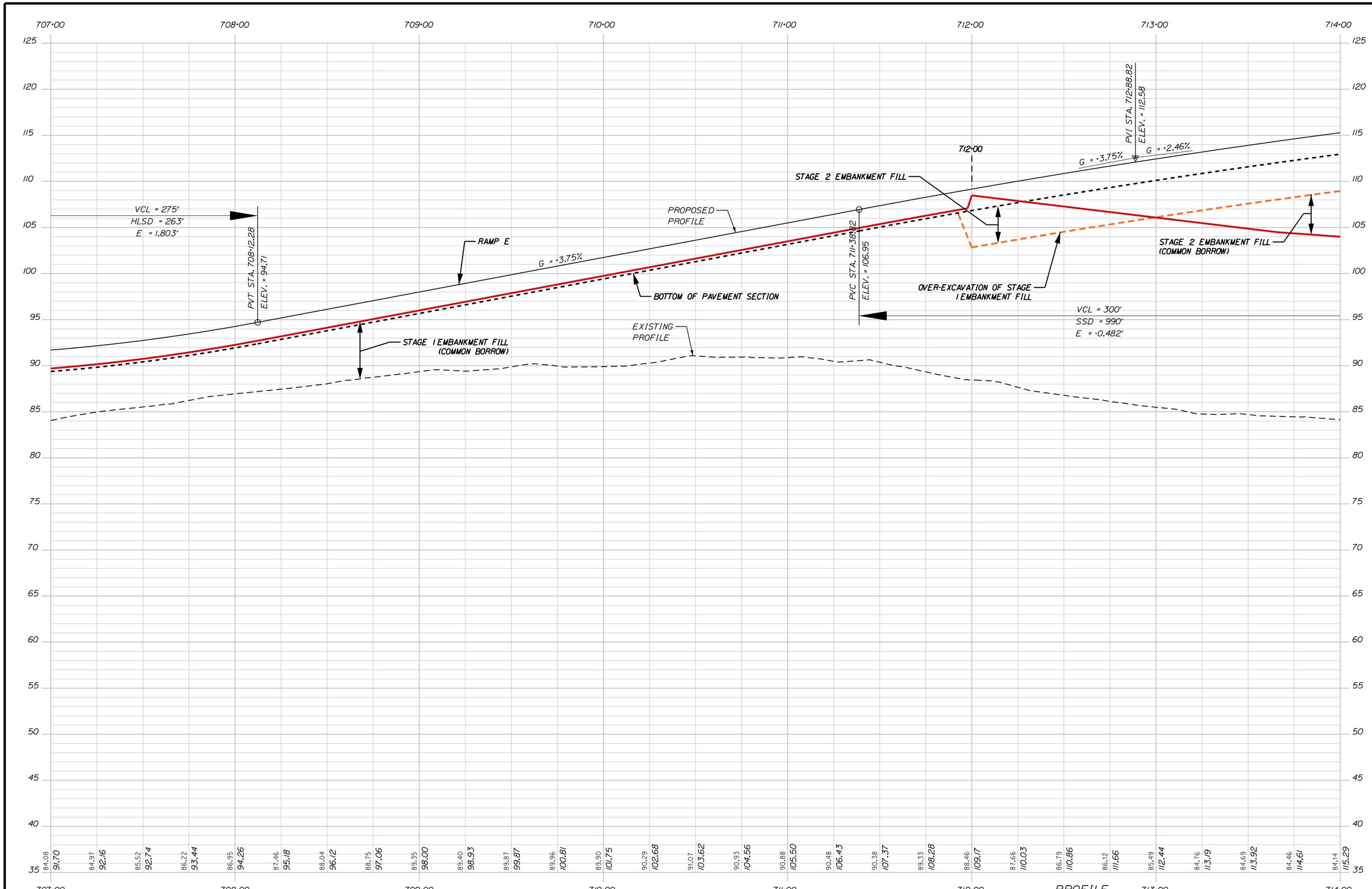
SPECIAL EMBANKMENT CONSTRUCTION
PROFILES - AREA 1 (8 OF 12)

SHEET NUMBER

SE20

OF 52

Filename: ...\GSE_Profile51A Ramp E.dgn Division: Username: Date:9/16/2021



RAMP F

PROFILE

Horiz. 25 0 25 50

Vert. 5 0 5 10

Scale of Feet

NOTES:
1. REFER TO SHEET SE38 FOR SPECIAL EMBANKMENT CONSTRUCTON NOTES.

HALEY ALDRICH

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00

HIGHWAY PLANS

STATE OF MAINE
WAYNE A. CHADBOURNE
No. 10620
REGISTERED PROFESSIONAL ENGINEER

SIGNATURE		
P.E. NUMBER	10620	
DATE	9-17-21	

	BY	DATE
PROJ. MANAGER	-----	6-18-21
DESIGN-DETAILED	E. FORCE	9-17-21
CHECKED-REVIEWED	K. POST	-----
DESIGN2-DETAILED2	E. FORCE	-----
DESIGN3-DETAILED3	W. CHADBOURNE	-----
REVISIONS 1	-----	-----
REVISIONS 2	-----	-----
REVISIONS 3	-----	-----
REVISIONS 4	-----	-----
FIELD CHANGES	-----	-----

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

SPECIAL EMBANKMENT CONSTRUCTION
PROFILES - AREA 1 (9 OF 12)

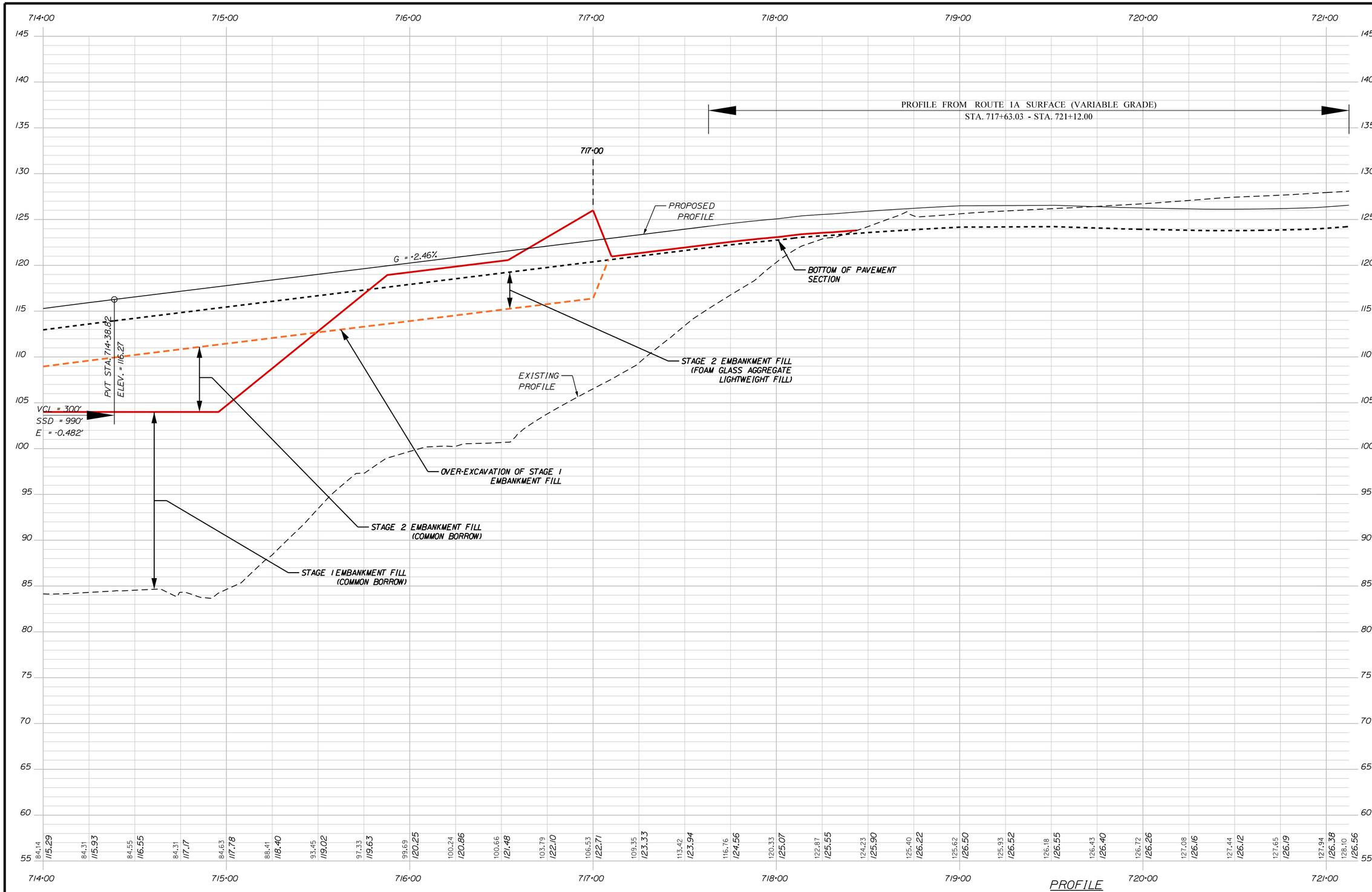
SHEET NUMBER

SE21

OF 52

Filename: ...\GSE_Profile51B Ramp E.dgn Division: Username: Date:9/16/2021

Filename: ...\GSE_Profile51C Ramp E.dgn Division: Username: Date:9/16/2021



PROFILE

Horiz. 25 0 25 50

Vert. 5 0 5 10

Scale of Feet

NOTES:
1. REFER TO SHEET SE38 FOR SPECIAL EMBANKMENT CONSTRUCTON NOTES.

HALEY ALDRICH

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN 018915.00

HIGHWAY PLANS

STATE OF MAINE · WAYNE A. CHADBOURNE · No. 10620 · LICENSED PROFESSIONAL ENGINEER

	BY	DATE
PROJ. MANAGER	.....	.....
DESIGN-DETAILED	E. FORCE	6-18-21
CHECKED-REVIEWED	E. FORCE	9-17-21
DESIGN2-DETAILED2	.....	.....
DESIGN3-DETAILED3	.....	.....
REVISIONS 1	.....	.....
REVISIONS 2	.....	.....
REVISIONS 3	.....	.....
REVISIONS 4	.....	.....
FIELD CHANGES	.....	.....

SIGNATURE

10620 P.E. NUMBER

9-17-21 DATE

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

SPECIAL EMBANKMENT CONSTRUCTION
PROFILES - AREA 1 (10 OF 12)

SHEET NUMBER

SE22

OF 52

Filename: ...\GSE_Profile51C Ramp F.dgn Division: Username: Date:9/16/2021

PROFILE FROM RAMP F SURFACE (VARIABLE GRADE)
STA. 800+00.00 - STA. 802+94.67

PROFILE FROM RAMP E SURFACE (VARIABLE GRADE)
STA. 802+94.67 - STA. 808+92.07

801+50

804+95

PROPOSED PROFILE

RAMP F

BOTTOM OF PAVEMENT SECTION

STAGE 2 EMBANKMENT FILL (COMMON BORROW)

STAGE 2 EMBANKMENT FILL (FOAM GLASS AGGREGATE LIGHTWEIGHT FILL)

OVER-EXCAVATION OF STAGE 1 EMBANKMENT FILL

STAGE 1 EMBANKMENT FILL (COMMON BORROW)

STAGE 1 EMBANKMENT FILL (COMMON BORROW)

EXISTING PROFILE

800+00	801+00	802+00	803+00	804+00	805+00	806+00	807+00
EL. 115.86	EL. 116.23	EL. 115.92	EL. 110.71	EL. 103.03	EL. 99.88	EL. 98.42	EL. 92.33
EL. 115.86	EL. 116.36	EL. 116.86	EL. 117.37	EL. 117.80	EL. 117.82	EL. 117.67	EL. 117.38
EL. 86.24	EL. 85.03	EL. 84.52	EL. 84.32	EL. 84.79	EL. 85.02	EL. 85.36	EL. 85.34
EL. 117.01	EL. 116.73	EL. 116.45	EL. 116.17	EL. 115.80	EL. 115.36	EL. 114.91	EL. 114.41
EL. 86.07	EL. 86.64	EL. 87.75	EL. 88.49	EL. 89.65	EL. 90.52	EL. 91.11	EL. 91.26	EL. 91.50	EL. 91.08	EL. 90.72	EL. 90.54	EL. 90.59
EL. 113.74	EL. 113.01	EL. 112.26	EL. 111.48	EL. 110.68	EL. 109.86	EL. 109.02	EL. 108.15	EL. 107.29	EL. 106.42	EL. 105.55	EL. 104.69	EL. 103.82

PROFILE

Horiz. 25 0 25 50
Vert. 5 0 5 10
Scale of Feet

NOTES:
1. REFER TO SHEET SE38 FOR SPECIAL EMBANKMENT CONSTRUCTON NOTES.

HALEY ALDRICH

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00

HIGHWAY PLANS

STATE OF MAINE · WAYNE A. CHADBOURNE · No. 10620 · LICENSED PROFESSIONAL ENGINEER

BY	DATE
PROJ. MANAGER	-----
DESIGN-DETAILED E. FORCE	6-18-21
CHECKED-REVIEWED E. FORCE	9-17-21
DESIGN2-DETAILED2 -----	-----
DESIGN3-DETAILED3 -----	-----
REVISIONS 1 -----	-----
REVISIONS 2 -----	-----
REVISIONS 3 -----	-----
REVISIONS 4 -----	-----
FIELD CHANGES -----	-----

K. POST — SIGNATURE
W. CHADBOURNE — 10620 — P.E. NUMBER
9-17-21 — DATE

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

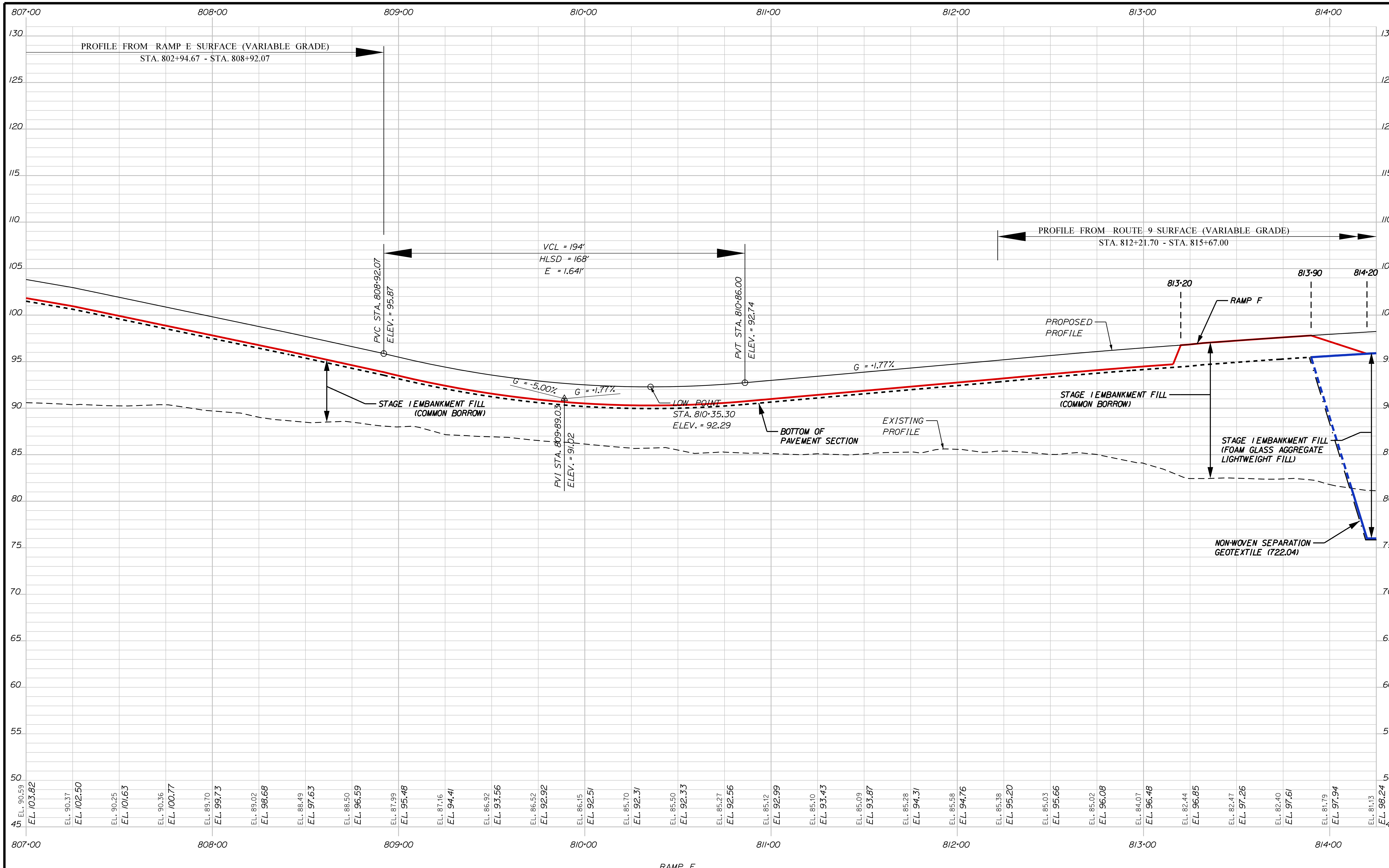
SPECIAL EMBANKMENT CONSTRUCTION
PROFILES - AREA 1 (11 OF 12)

SHEET NUMBER

SE23

OF 52

Date:9/16/2021 Username: Division: Filename: ...\GSE_Profile51D Ramp F.dgn



NOTES:
1. REFER TO SHEET SE38 FOR SPECIAL EMBANKMENT CONSTRUCTON NOTES.

PROFILE

Horiz. 25 0 25 50
Vert. 5 0 5 10
Scale of Feet

HALEY ALDRICH

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN 018915.00

HIGHWAY PLANS

STATE OF MAINE — WAYNE A. CHADBOURNE — No. 10620 — LICENSED PROFESSIONAL ENGINEER

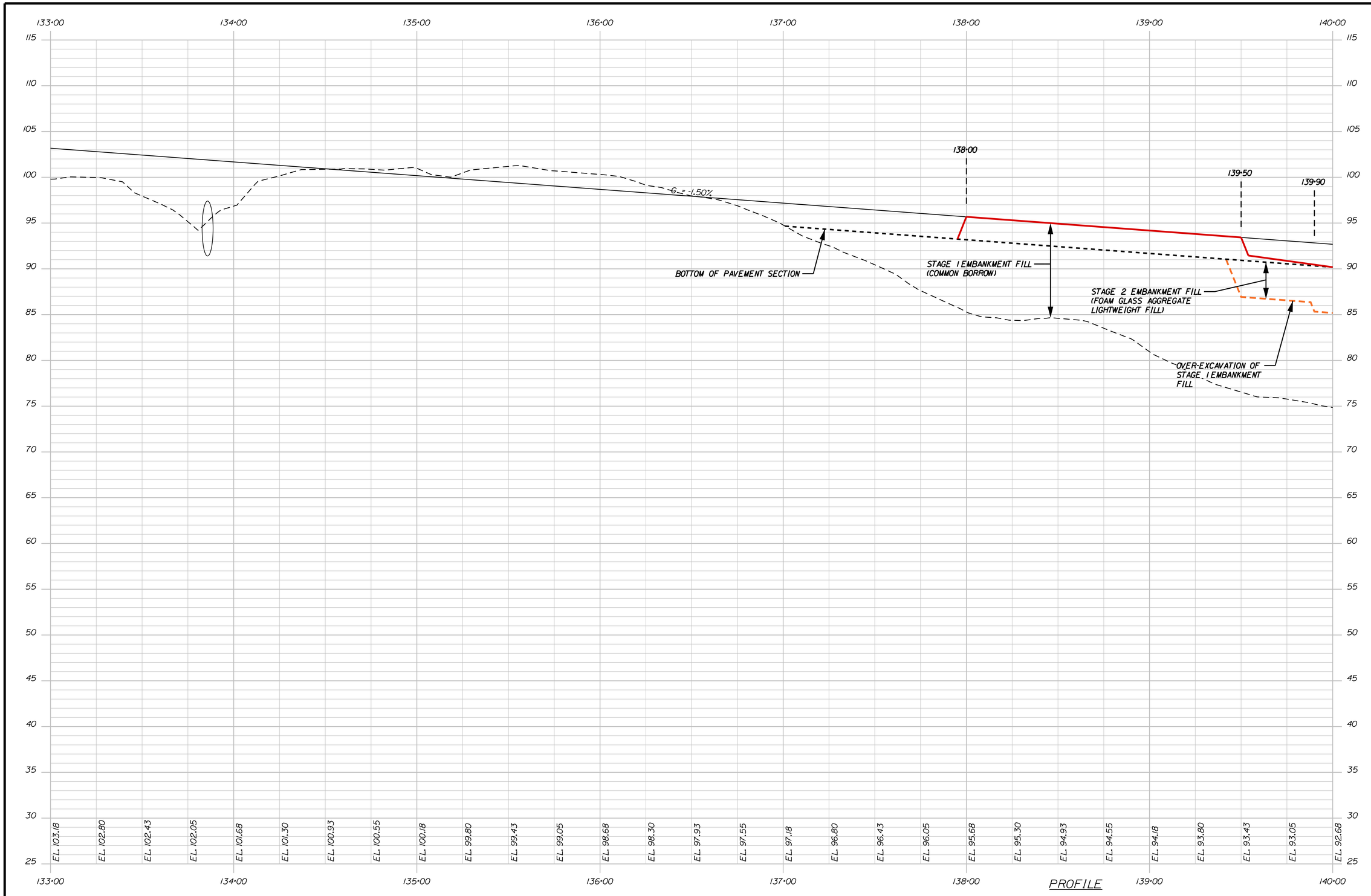
SIGNATURE	P.E. NUMBER 10620	DATE 9-17-21

		BY	DATE
PROJ. MANAGER	----------		
DESIGN-DETAILED	E. FORCE	K. POST	6-18-21
CHECKED-REVIEWED	E. FORCE	W. CHADBOURNE	9-17-21
DESIGN2-DETAILED2	-----	-----	-----
DESIGN3-DETAILED3	-----	-----	-----
REVISIONS 1	-----		-----
REVISIONS 2	-----		-----
REVISIONS 3	-----		-----
REVISIONS 4	-----		-----
FIELD CHANGES	-----		-----

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

SPECIAL EMBANKMENT CONSTRUCTION
PROFILES - AREA 1 (12OF12)

SHEET NUMBER
SE24
OF 52



PROFILE

Horiz. 25 0 25 50

Vert. 5 0 5 10

Scale of Feet

NOTES:
1. REFER TO SHEET SE38 FOR SPECIAL EMBANKMENT CONSTRUCTON NOTES.

HALEY ALDRICH

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00

HIGHWAY PLANS

STATE OF MAINE
WAYNE A. CHAUDBOURNE
No. 10620
LICENSED PROFESSIONAL ENGINEER

	BY	DATE
PROJ. MANAGER	----------	
DESIGN-DETAILED	E. FORCE	6-18-21
CHECKED-REVIEWED	E. FORCE	9-17-21
DESIGN2-DETAILED2	-----	-----
DESIGN3-DETAILED3	-----	-----
REVISIONS 1	-----	-----
REVISIONS 2	-----	-----
REVISIONS 3	-----	-----
REVISIONS 4	-----	-----
FIELD CHANGES	-----	-----

SIGNATURE

10620
P.E. NUMBER

9-17-21
DATE

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

SPECIAL EMBANKMENT CONSTRUCTION
PROFILES - AREA 2 (1 OF 2)

SHEET NUMBER

SE25

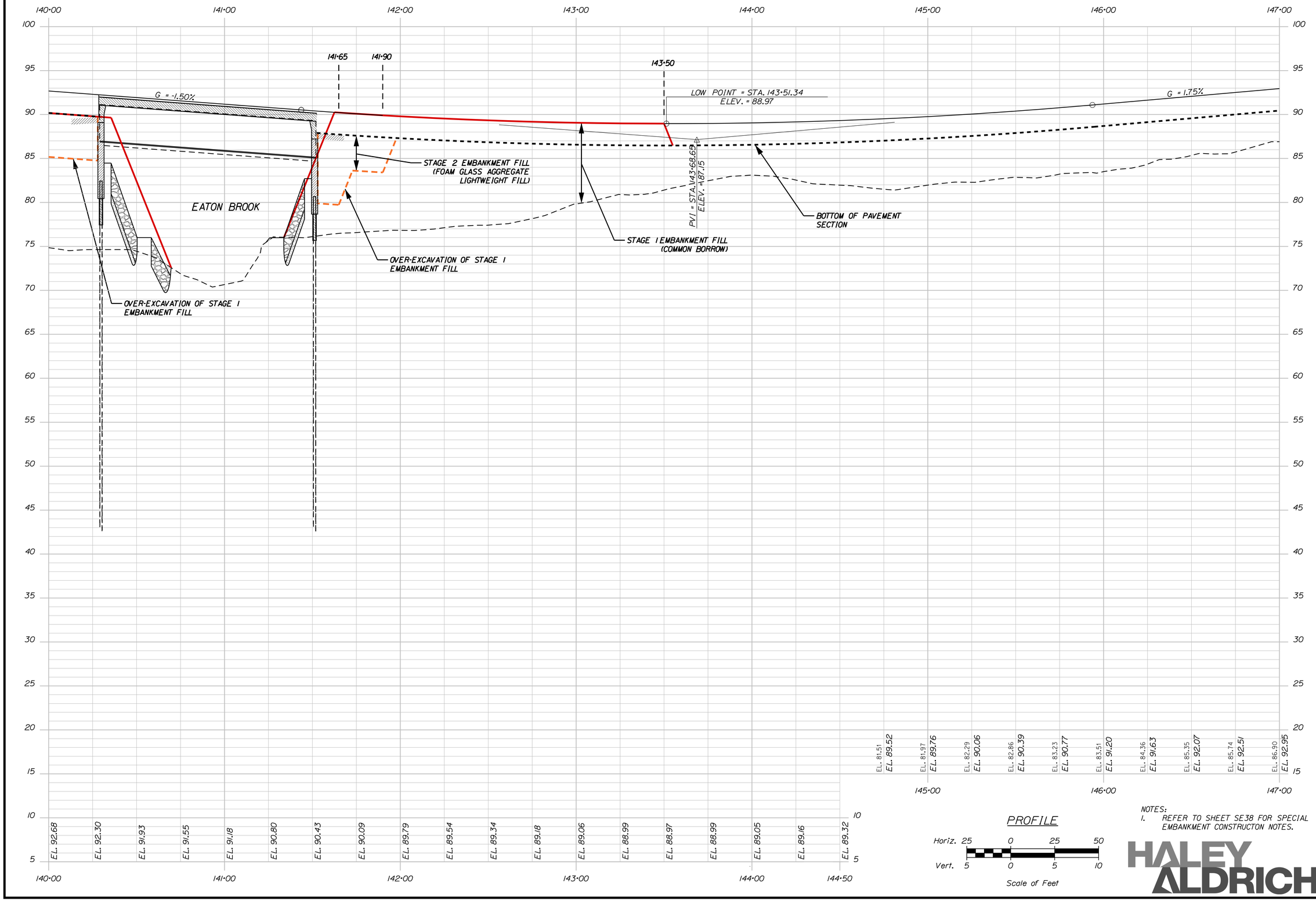
OF 52

Date:9/16/2021

Username:

Division:

Filename: ...\GSE_Profile20.dgn



PROFILE

Horiz. 25 0 25 50

Vert. 5 0 5 10

Scale of Feet

NOTES:

1. REFER TO SHEET SE38 FOR SPECIAL EMBANKMENT CONSTRUCTON NOTES.

HALEY ALDRICH

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN 018915.00

HIGHWAY PLANS

STATE OF MAINE · WAYNE A. CHADBOURNE · No. 10620 · LICENSED PROFESSIONAL ENGINEER

	BY	DATE
PROJ. MANAGER	.....	.....
DESIGN-DETAILED	K. POST	6-18-21
CHECKED-REVIEWED	W. CHADBOURNE	9-17-21
DESIGN2-DETAILED2	.....	.....
DESIGN3-DETAILED3	.....	.....
REVISIONS 1	.....	.....
REVISIONS 2	.....	.....
REVISIONS 3	.....	.....
REVISIONS 4	.....	.....
FIELD CHANGES	.....	.....

SIGNATURE

10620 P.E. NUMBER

9-17-21 DATE

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

SPECIAL EMBANKMENT CONSTRUCTION
PROFILES - AREA 2 (2 OF 2)

SHEET NUMBER

SE26

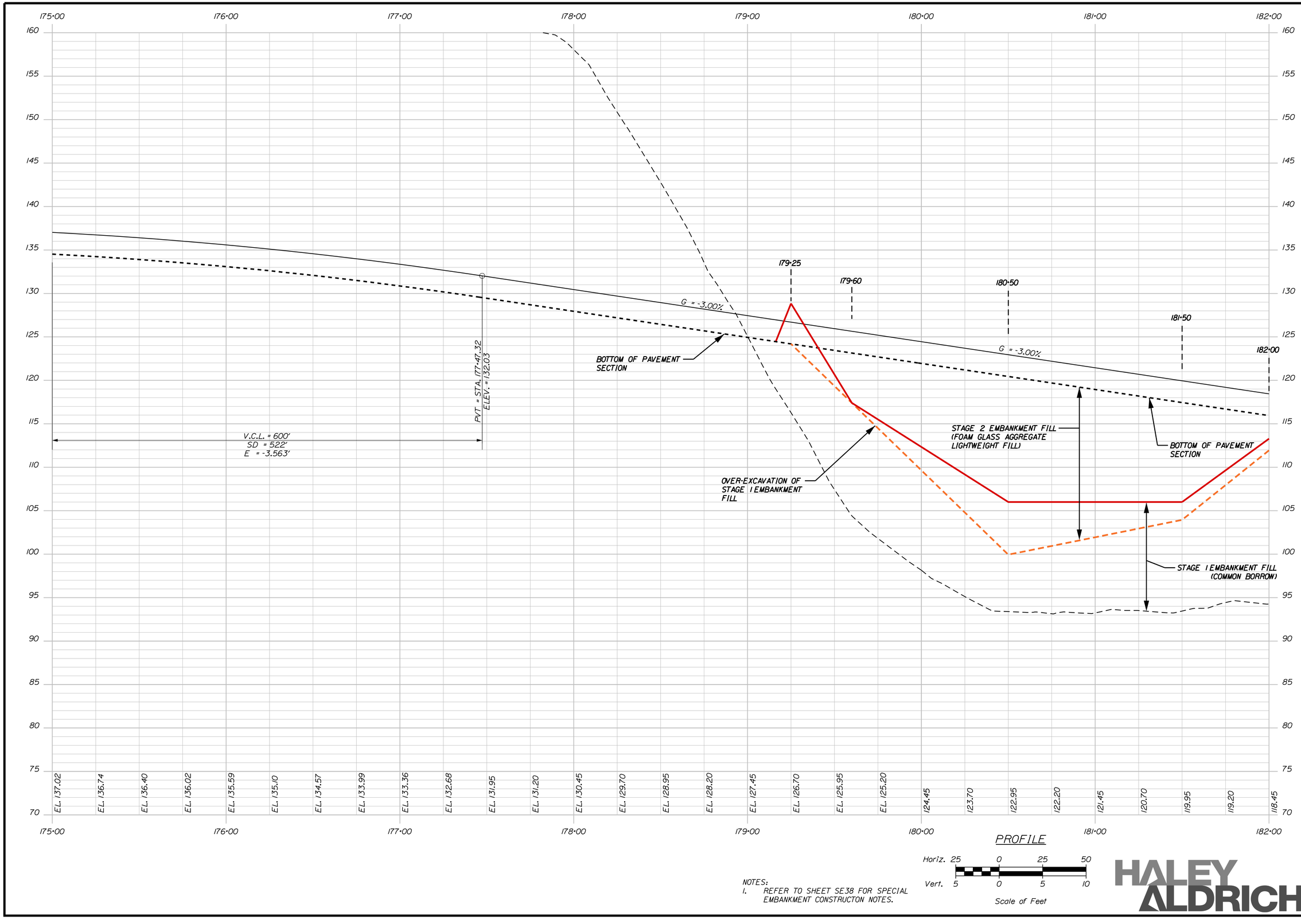
OF 52

Date:9/16/2021

Username:

Division:

Filename: ...\GSE_Profile21.dgn



PROFILE

Horiz. 25 0 25 50

Vert. 5 0 5 10

Scale of Feet

NOTES:
1. REFER TO SHEET SE38 FOR SPECIAL EMBANKMENT CONSTRUCTON NOTES.

HALEY ALDRICH

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00

HIGHWAY PLANS

STATE OF MAINE · WAYNE A. CHADBOURNE · No. 10620 · LICENSED PROFESSIONAL ENGINEER

	BY	DATE
PROJ. MANAGER	-----	-----
DESIGN-DETAILED	E. FORCE	6-18-21
CHECKED-REVIEWED	E. FORCE	9-17-21
DESIGN2-DETAILED2	-----	-----
DESIGN3-DETAILED3	-----	-----
REVISIONS 1	-----	-----
REVISIONS 2	-----	-----
REVISIONS 3	-----	-----
REVISIONS 4	-----	-----
FIELD CHANGES	-----	-----

SIGNATURE

10620 P.E. NUMBER

9-17-21 DATE

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

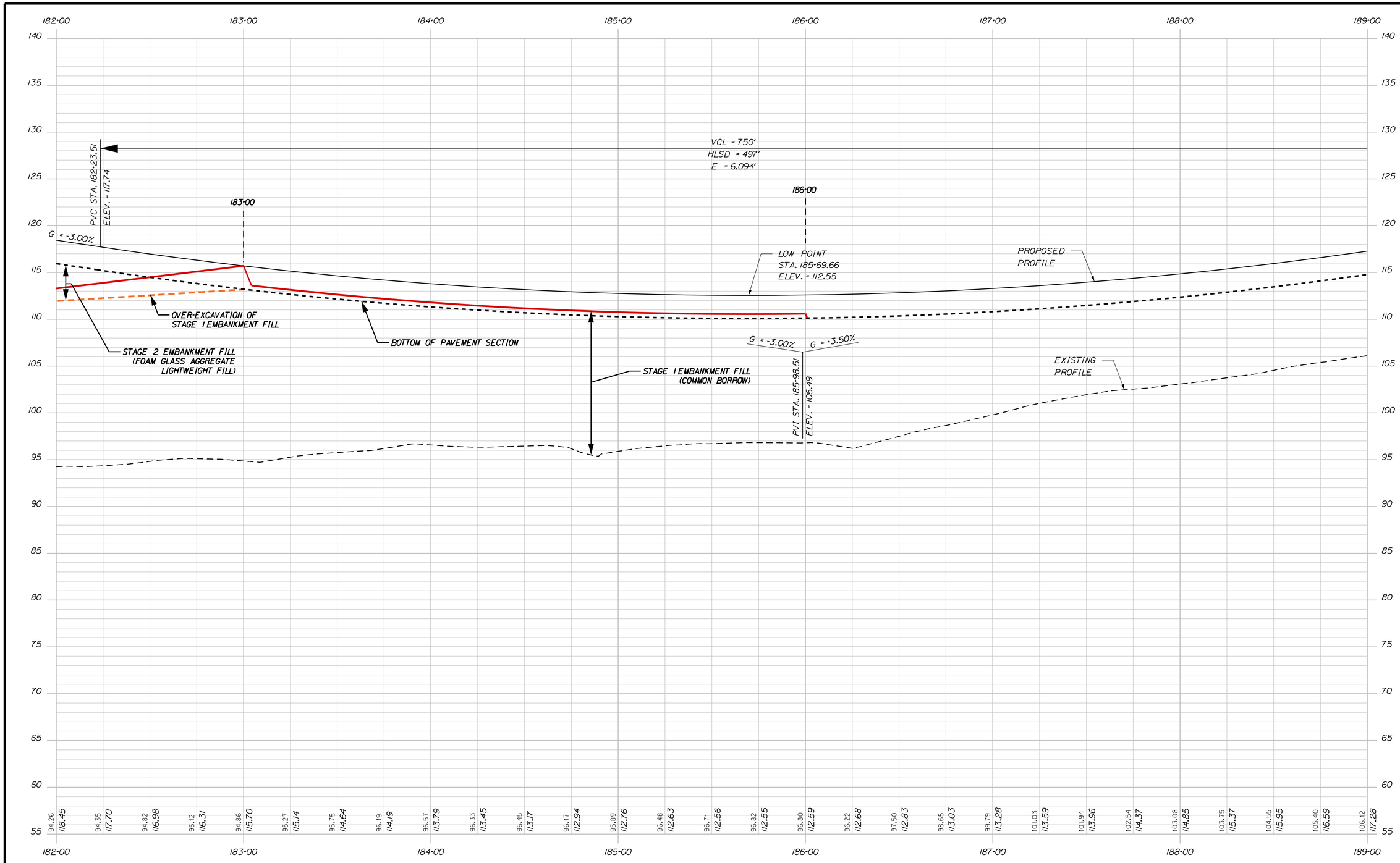
SPECIAL EMBANKMENT CONSTRUCTION
PROFILES - AREA 4 (1 OF 2)

SHEET NUMBER

SE27

OF 52

Date:9/16/2021 Username: Division: Filename: ...\CGE_Profile26.dgn



PROFILE

Horiz. 25 0 25 50

Vert. 5 0 5 10

Scale of Feet

NOTES:
1. REFER TO SHEET SE38 FOR SPECIAL EMBANKMENT CONSTRUCTON NOTES.

HALEY ALDRICH

Date:9/16/2021

Username:

Division:

Filename: ...\GSE_Profile27.dgn

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00

HIGHWAY PLANS

STATE OF MAINE
WAYNE A. CHADBOURNE
No. 10620
LICENSED PROFESSIONAL ENGINEER

	BY	DATE
PROJ. MANAGER	-----	-----
DESIGN-DETAILED	K. POST	6-18-21
CHECKED-REVIEWED	W. CHADBOURNE	9-17-21
DESIGN2-DETAILED2	-----	-----
DESIGN3-DETAILED3	-----	-----
REVISIONS 1	-----	-----
REVISIONS 2	-----	-----
REVISIONS 3	-----	-----
REVISIONS 4	-----	-----
FIELD CHANGES	-----	-----

SIGNATURE

10620 P.E. NUMBER

9-17-21 DATE

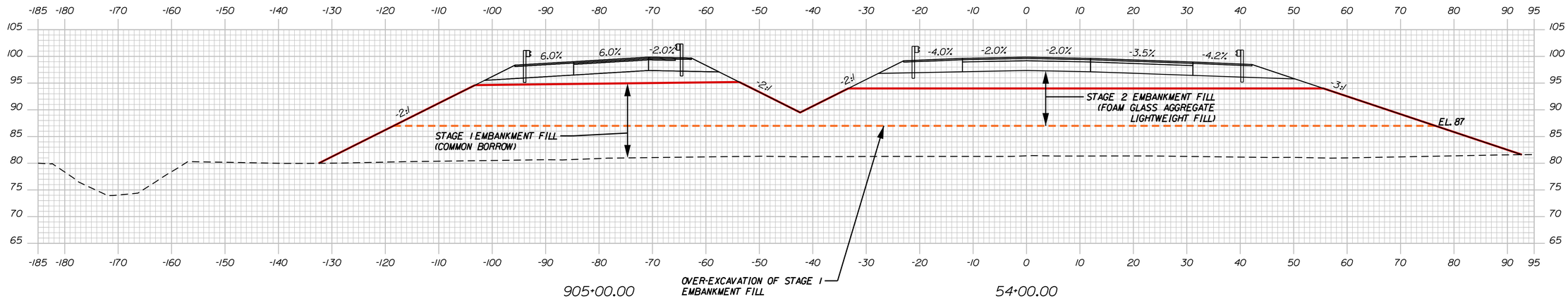
BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

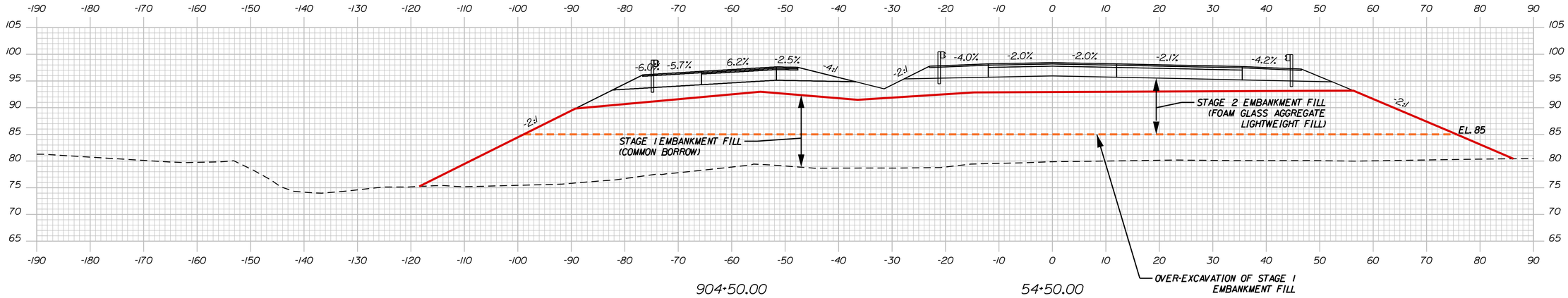
SPECIAL EMBANKMENT CONSTRUCTION
PROFILES - AREA 4 (2 OF 2)

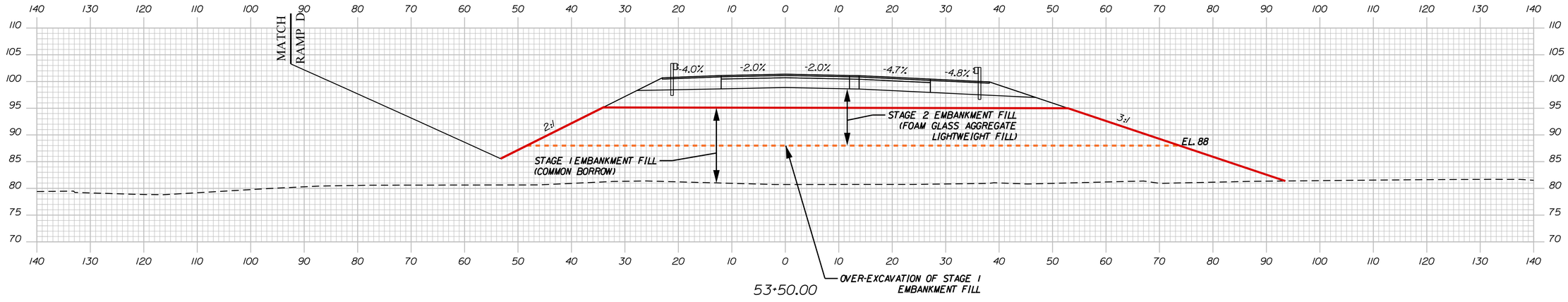
SHEET NUMBER

SE28

OF 52







CROSS SECTION

HORIZ 10 0 10 20

VERT 10 0 10 20

SCALE

1. REFER TO SHEET SE38 FOR SPECIAL EMBANKMENT CONSTRUCTION NOTES.

HALEY ALDRICH

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00

HIGHWAY PLANS

STATE OF MAINE · WAYNE A. CHADBOURNE · No. 10620 · PROFESSIONAL ENGINEER · LICENSED

	BY	DATE
PROJ. MANAGER	-----	-----
DESIGN-DETAILED	E. FORCE	6-18-21
CHECKED-REVIEWED	K. POST	9-17-21
DESIGN2-DETAILED2	E. FORCE	-----
DESIGN3-DETAILED3	W. CHADBOURNE	-----
REVISIONS 1	-----	-----
REVISIONS 2	-----	-----
REVISIONS 3	-----	-----
REVISIONS 4	-----	-----
FIELD CHANGES	-----	-----

SIGNATURE

10620 P.E. NUMBER

9-17-21 DATE

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

SPECIAL EMBANKMENT CONSTRUCTION
SELECT CROSS SECTIONS - AREA 1 (1 OF 5)

SHEET NUMBER

SE29

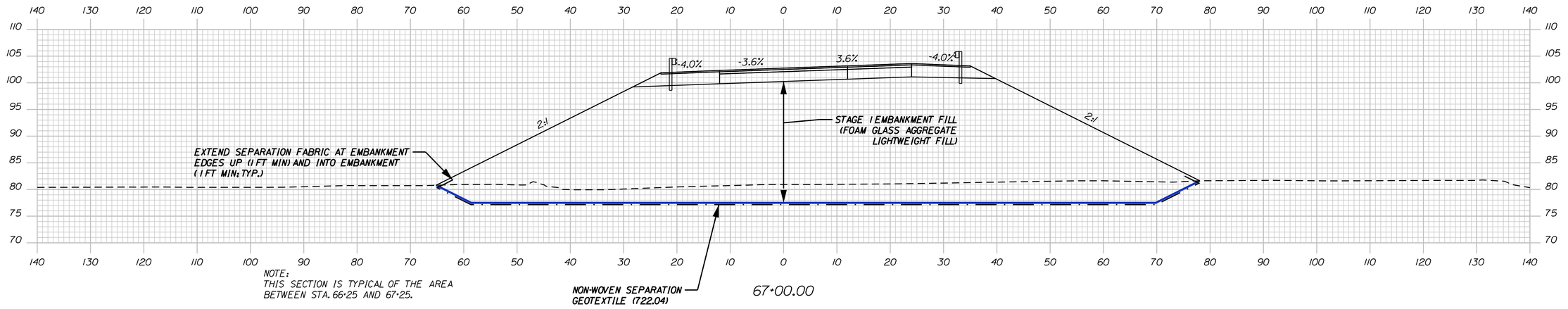
OF 52

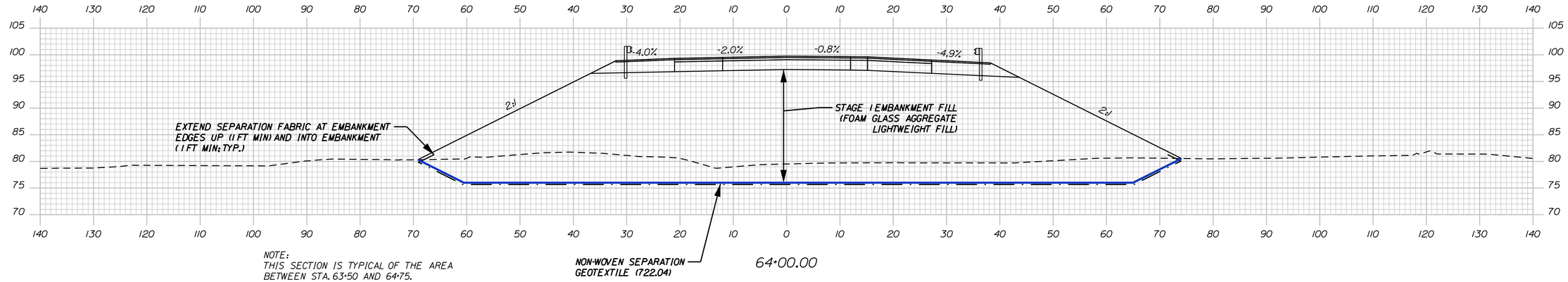
Date:9/16/2021

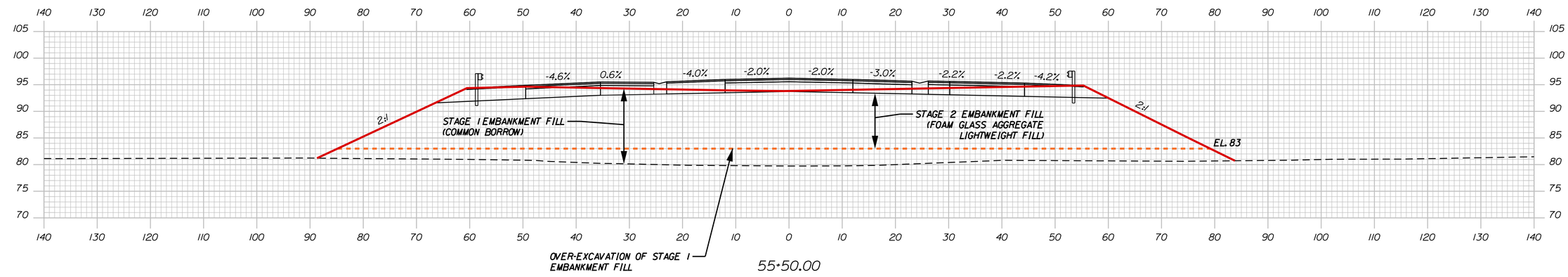
Username:

Division:

Filename: ...\GSE_Area 1\SCS 1.dgn







CROSS SECTION

HORIZ 10 0 10 20

VERT 10 0 10 20

SCALE

1. REFER TO SHEET SE38 FOR SPECIAL EMBANKMENT CONSTRUCTION NOTES.

HALEY ALDRICH

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00

HIGHWAY PLANS

STATE OF MAINE · WAYNE A. CHADBOURNE · No. 10620 · LICENSED PROFESSIONAL ENGINEER

	BY	DATE
PROJ. MANAGER	E. FORCE	6-18-21
DESIGN-DETAILED	K. POST	9-17-21
CHECKED-REVIEWED	E. FORCE	-----
DESIGN2-DETAILED2	W. CHADBOURNE	-----
DESIGN3-DETAILED3	-----	-----
REVISIONS 1	-----	-----
REVISIONS 2	-----	-----
REVISIONS 3	-----	-----
REVISIONS 4	-----	-----
FIELD CHANGES	-----	-----

10620 P.E. NUMBER

9-17-21 DATE

SIGNATURE

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

SPECIAL EMBANKMENT CONSTRUCTION
SELECT CROSS SECTIONS - AREA 1 (2 OF 5)

SHEET NUMBER

SE30

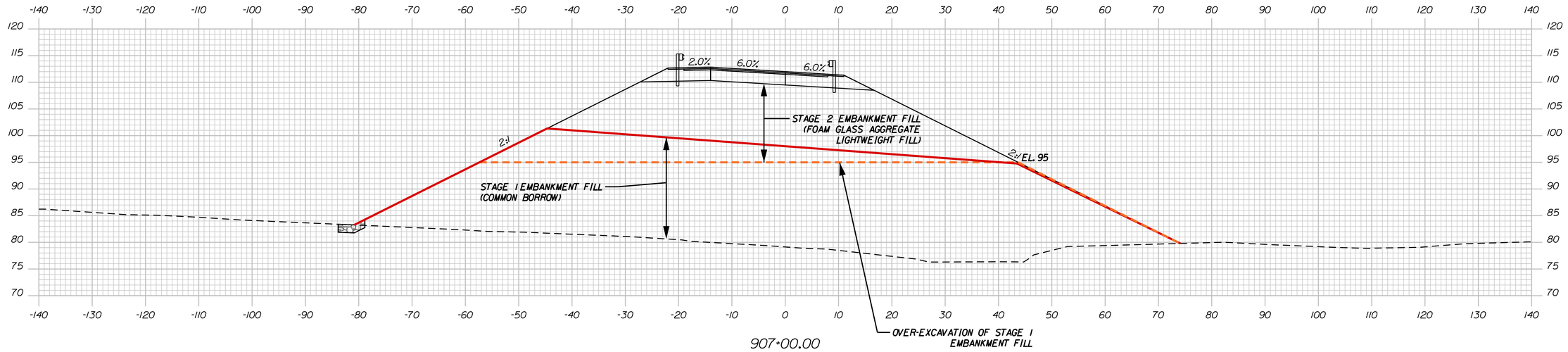
OF 52

Date:9/16/2021

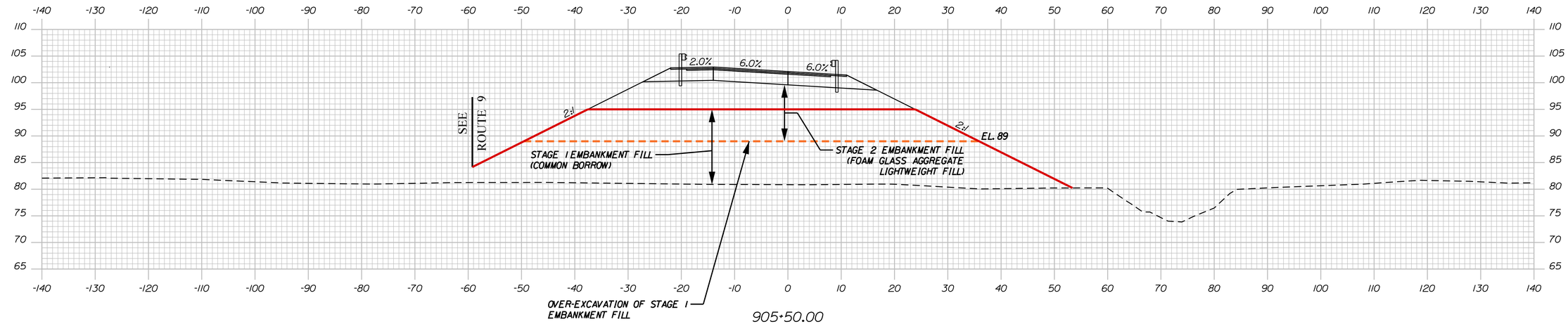
Username:

Division:

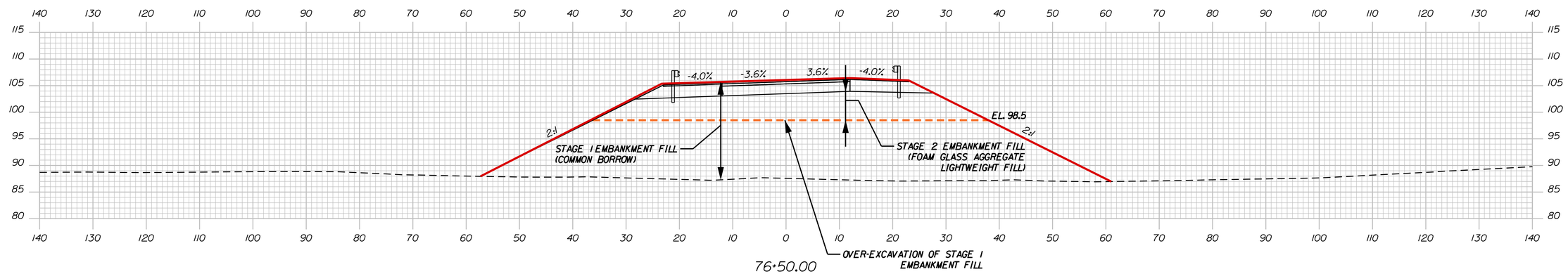
Filename: ...\GSE_Area 1\SCS 2.dgn



907+00.00



905+50.00



76+50.00

CROSS SECTION

HORIZ 10 0 10 20

VERT 10 0 10 20

SCALE

1. REFER TO SHEET SE38 FOR SPECIAL EMBANKMENT CONSTRUCTION NOTES.

HALEY ALDRICH

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00

HIGHWAY PLANS

STATE OF MAINE · WAYNE A. CHADBOURNE · No. 10620 · LICENSED PROFESSIONAL ENGINEER

	BY	DATE
PROJ. MANAGER	----------	-----
DESIGN-DETAILED	E. FORCE	6-18-21
CHECKED-REVIEWED	K. POST	9-17-21
DESIGN2-DETAILED2	E. FORCE	-----
DESIGN3-DETAILED3	W. CHADBOURNE	-----
REVISIONS 1	-----	-----
REVISIONS 2	-----	-----
REVISIONS 3	-----	-----
REVISIONS 4	-----	-----
FIELD CHANGES	-----	-----

SIGNATURE

10620
P.E. NUMBER

9-17-21
DATE

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

SPECIAL EMBANKMENT CONSTRUCTION
SELECT CROSS SECTIONS - AREA 1 (3 OF 5)

SHEET NUMBER

SE31

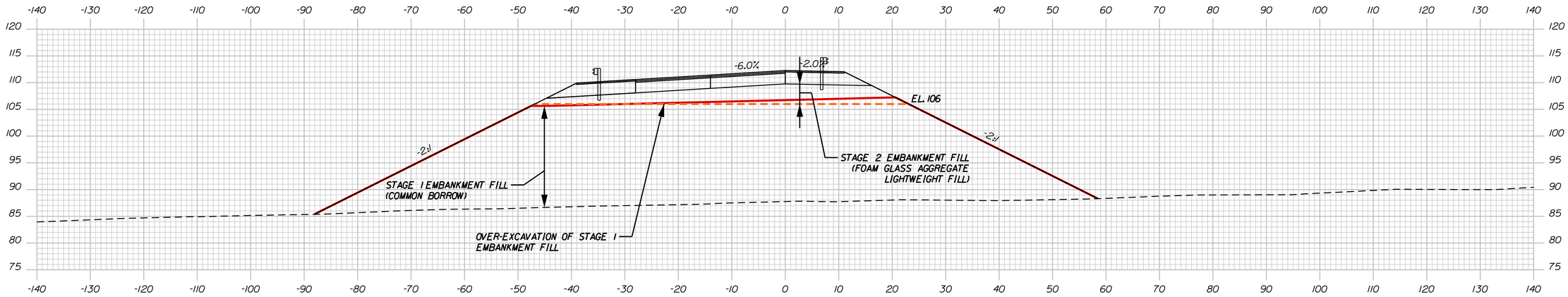
OF 52

Date:9/16/2021

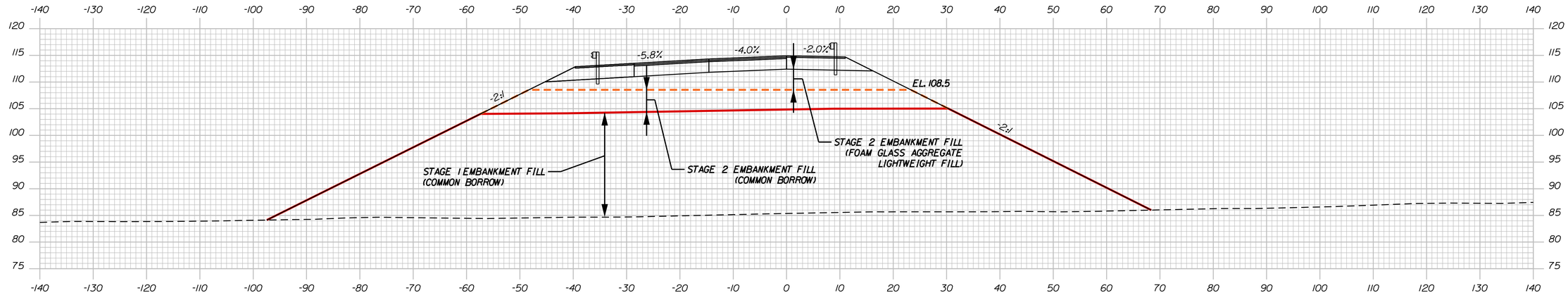
Username:

Division:

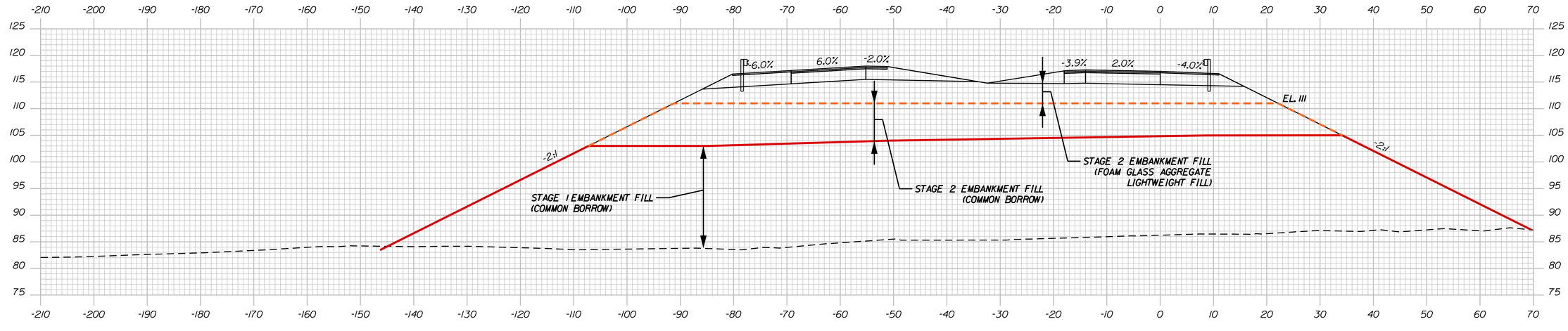
Filename: ...\GSE_Area 1\SCS 3.dgn



804+50.00



803+50.00



714+75.00 802+00.00

CROSS SECTION

HORIZ 10 0 10 20

VERT 10 0 10 20

SCALE

1. REFER TO SHEET SE38 FOR SPECIAL EMBANKMENT CONSTRUCTION NOTES.

HALEY ALDRICH

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN 018915.00

HIGHWAY PLANS

STATE OF MAINE · WAYNE A. CHADBOURNE · No. 10620 · LICENSED PROFESSIONAL ENGINEER

	BY	DATE
PROJ. MANAGER	-----	-----
DESIGN-DETAILED	E. FORCE	6-18-21
CHECKED-REVIEWED	E. FORCE	9-17-21
DESIGN2-DETAILED2	-----	-----
DESIGN3-DETAILED3	-----	-----
REVISIONS 1	-----	-----
REVISIONS 2	-----	-----
REVISIONS 3	-----	-----
REVISIONS 4	-----	-----
FIELD CHANGES	-----	-----

SIGNATURE

10620 P.E. NUMBER

9-17-21 DATE

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

SPECIAL EMBANKMENT CONSTRUCTION
SELECT CROSS SECTIONS - AREA 1 (4 OF 5)

SHEET NUMBER

SE32

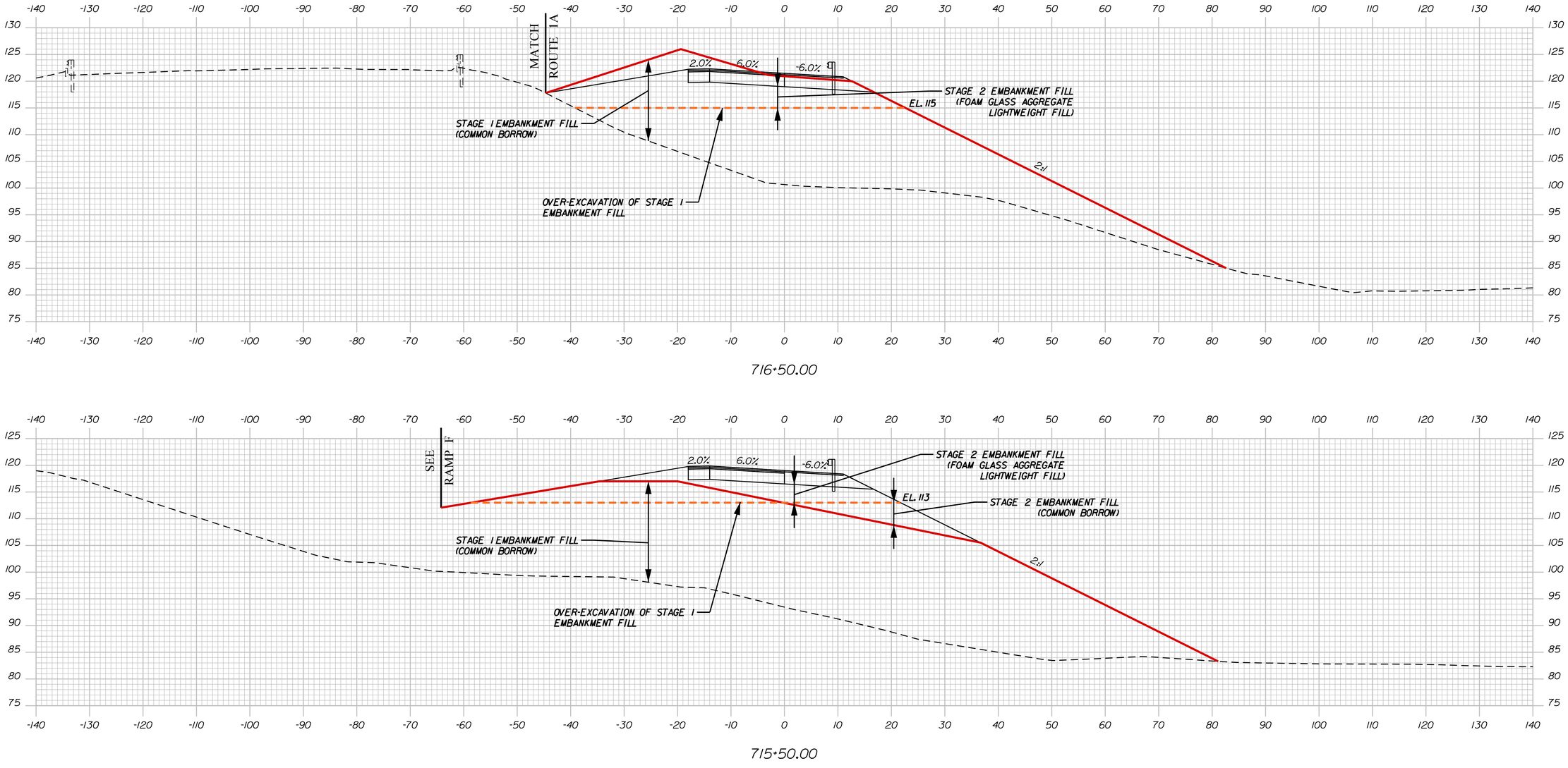
OF 52

Date:9/16/2021

Username:

Division:

Filename: ...\GSE_Area 1ISCS 4.dgn



CROSS SECTION

HORIZ 10 0 10 20

VERT 10 0 10 20

SCALE

1. REFER TO SHEET SE38 FOR SPECIAL EMBANKMENT CONSTRUCTION NOTES.

HALEY ALDRICH

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00

HIGHWAY PLANS

STATE OF MAINE · WAYNE A. CHAUDBOURNE · No. 10620 · PROFESSIONAL ENGINEER · LICENSED

		BY	DATE
PROJ. MANAGER	.....	.....	.....
DESIGN-DETAILED	E. FORCE	K. POST	6-18-21
CHECKED-REVIEWED	E. FORCE	W. CHAUDBOURNE	9-17-21
DESIGN2-DETAILED2	.....	.....	.....
DESIGN3-DETAILED3	.....	.....	.....
REVISIONS 1	.....	.....	.....
REVISIONS 2	.....	.....	.....
REVISIONS 3	.....	.....	.....
REVISIONS 4	.....	.....	.....
FIELD CHANGES	.....	.....	.....

SIGNATURE

10620
P.E. NUMBER

9-17-21
DATE

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

SPECIAL EMBANKMENT CONSTRUCTION
SELECT CROSS SECTIONS - AREA 1 (5 OF 5)

SHEET NUMBER

SE33

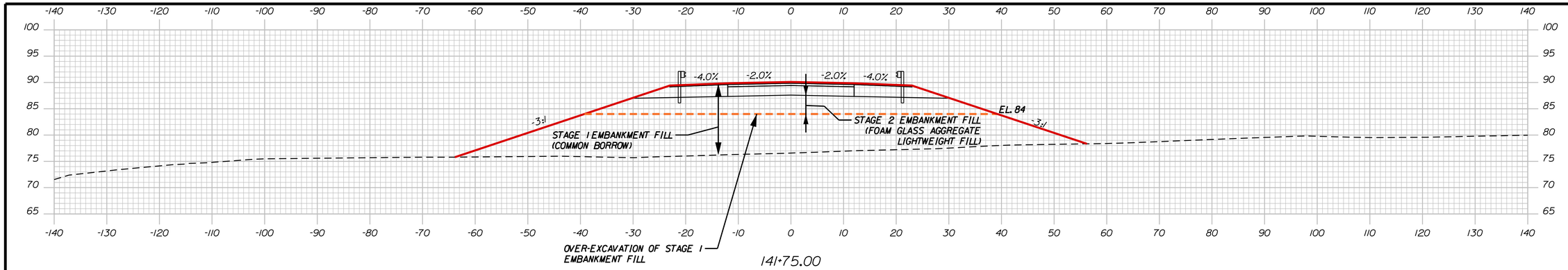
OF 52

Date:9/16/2021

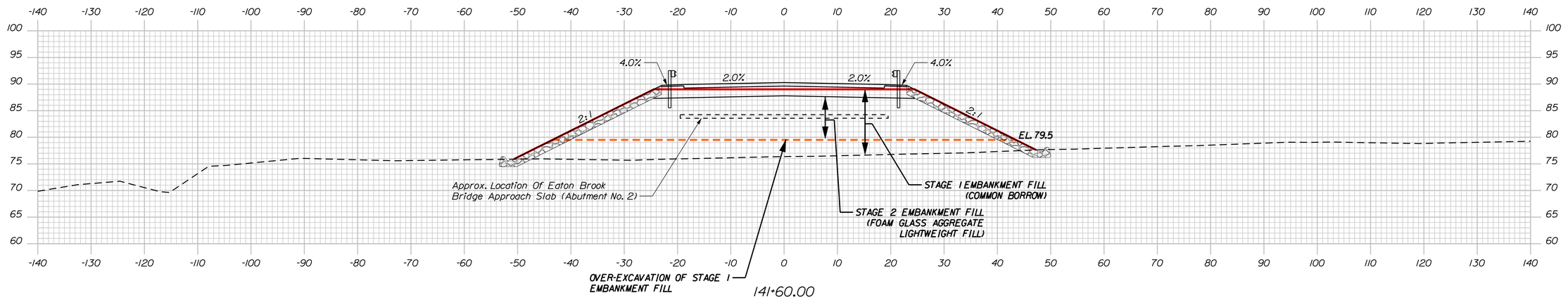
Username:

Division:

Filename: ...\GSE_Area 1 ISCS 5.dgn



141+75.00



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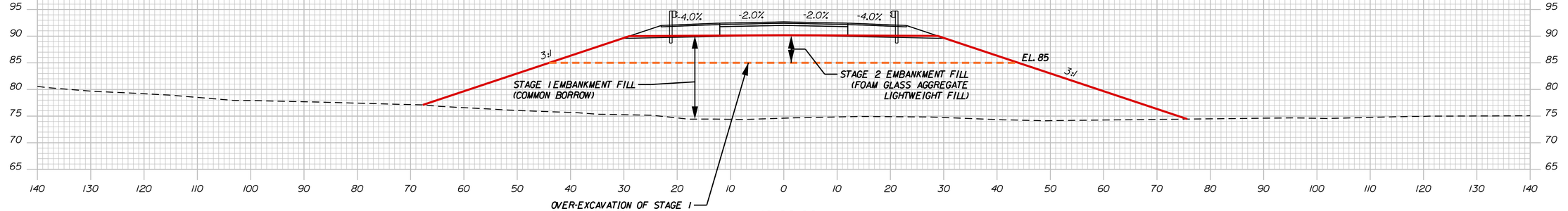

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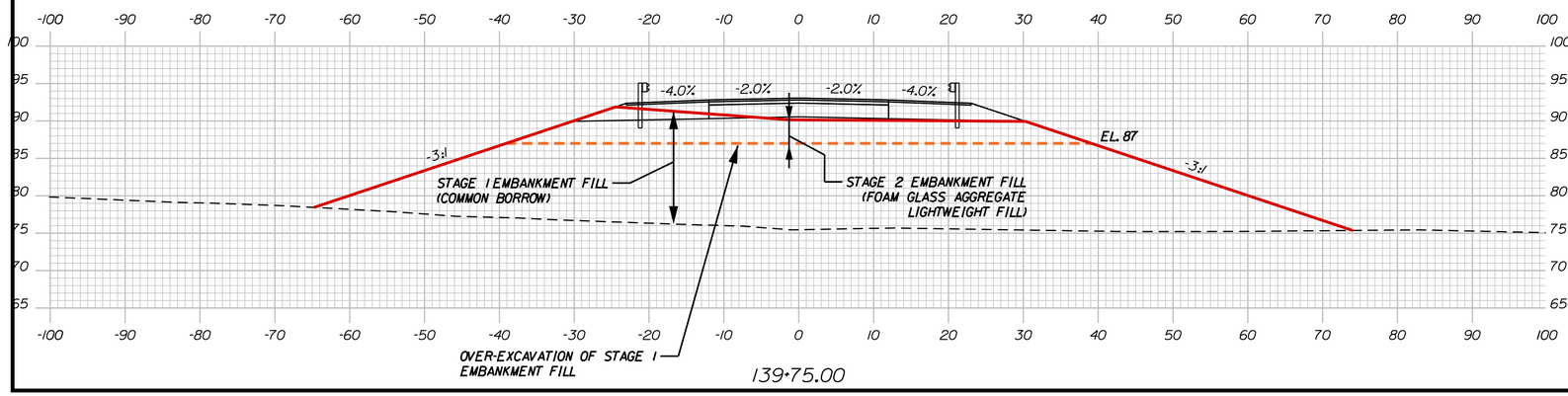


139+75.00

CROSS SECTION

HORIZ 10 0 10 20

VERT 10 0 10 20

SCALE

1. REFER TO SHEET SE38 FOR SPECIAL EMBANKMENT CONSTRUCTION NOTES.

HALEY ALDRICH

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00

HIGHWAY PLANS

STATE OF MAINE
WAYNE A. CHADBOURNE
No. 10620
LICENSED PROFESSIONAL ENGINEER

	BY	DATE
PROJ. MANAGER	-----	-----
DESIGN-DETAILED	K. POST	6-18-21
CHECKED-REVIEWED	E. FORCE	9-17-21
DESIGN2-DETAILED2	W. CHADBOURNE	-----
DESIGN3-DETAILED3	-----	-----
REVISIONS 1	-----	-----
REVISIONS 2	-----	-----
REVISIONS 3	-----	-----
REVISIONS 4	-----	-----
FIELD CHANGES	-----	-----

SIGNATURE

10620 P.E. NUMBER

9-17-21 DATE

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

SPECIAL EMBANKMENT CONSTRUCTION
SELECT CROSS SECTIONS - AREA 2 (1 OF 1)

SHEET NUMBER

SE34

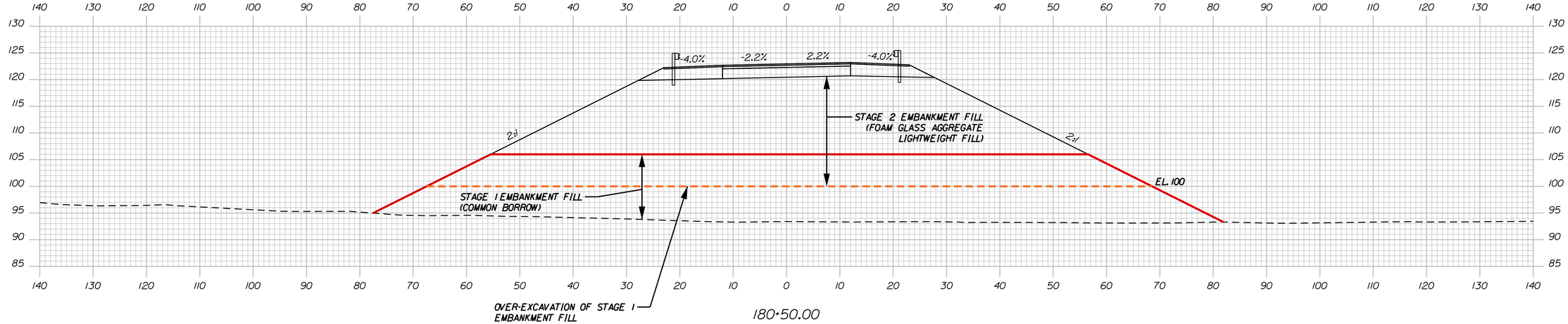
OF 52

Date:9/16/2021

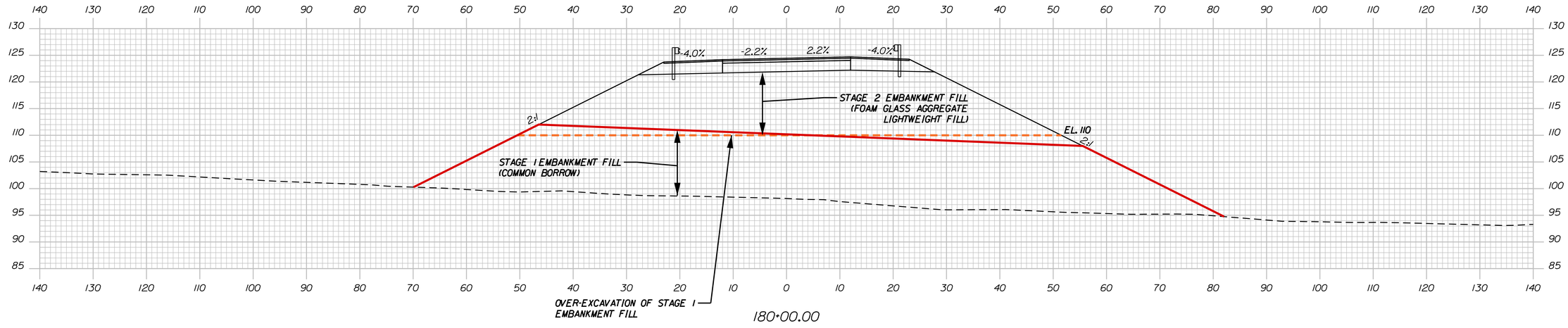
Username:

Division:

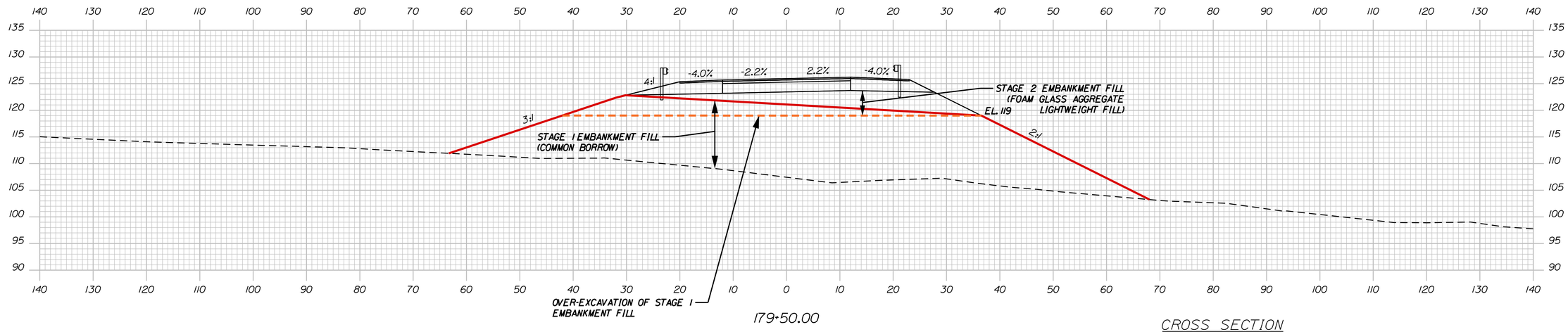
Filename: ...\GSE_Area 2 ISCS 1.dgn



180+50.00



180+00.00



179+50.00

CROSS SECTION

HORIZ 10 0 10 20

VERT 10 0 10 20

SCALE

1. REFER TO SHEET SE38 FOR SPECIAL EMBANKMENT CONSTRUCTION NOTES.

HALEY ALDRICH

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN 018915.00

HIGHWAY PLANS

STATE OF MAINE · WAYNE A. CHADBOURNE · No. 10620 · LICENSED PROFESSIONAL ENGINEER

	BY	DATE
PROJ. MANAGER	-----	-----
DESIGN-DETAILED	E. FORCE	6-18-21
CHECKED-REVIEWED	K. POST	9-17-21
DESIGN2-DETAILED2	E. FORCE	-----
DESIGN3-DETAILED3	W. CHADBOURNE	-----
REVISIONS 1	-----	-----
REVISIONS 2	-----	-----
REVISIONS 3	-----	-----
REVISIONS 4	-----	-----
FIELD CHANGES	-----	-----

SIGNATURE

10620 P.E. NUMBER

9-17-21 DATE

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

SPECIAL EMBANKMENT CONSTRUCTION
SELECT CROSS SECTIONS - AREA 4 (1 OF 3)

SHEET NUMBER

SE35

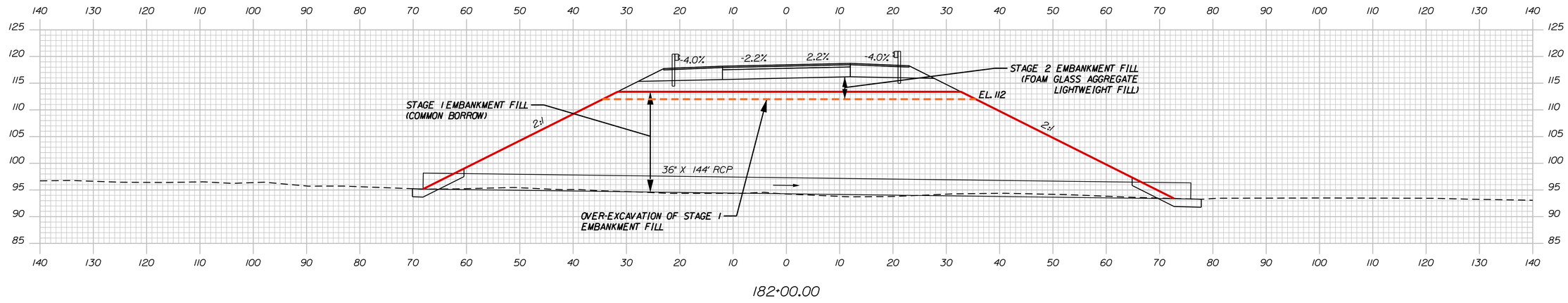
OF 52

Date:9/16/2021

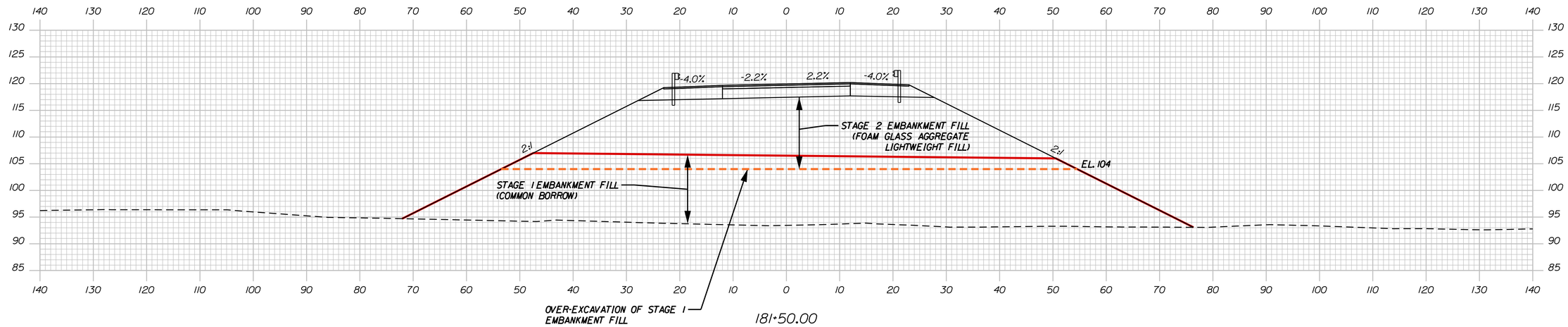
Username:

Division:

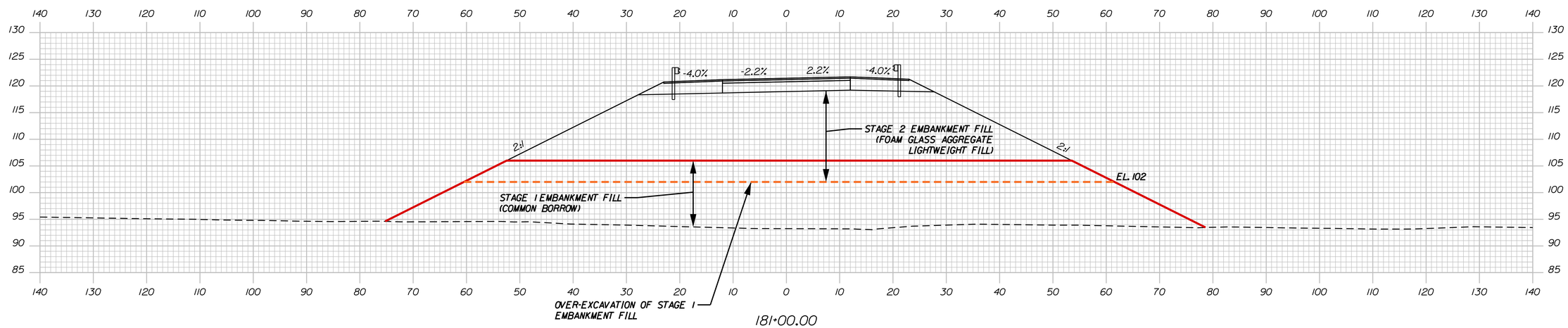
Filename: ...\GSE_Area 4 ISCS 1.dgn



182+00.00



181+50.00



181+00.00

CROSS SECTION

HORIZ 10 0 10 20

VERT 10 0 10 20

SCALE

1. REFER TO SHEET SE38 FOR SPECIAL EMBANKMENT CONSTRUCTION NOTES.

HALEY ALDRICH

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00

HIGHWAY PLANS

STATE OF MAINE · WAYNE A. CHADBOURNE · No. 10620 · LICENSED PROFESSIONAL ENGINEER

		BY	DATE
PROJ. MANAGER	----------		
DESIGN-DETAILED	E. FORCE	K. POST	6-18-21
CHECKED-REVIEWED	E. FORCE	W. CHADBOURNE	9-17-21
DESIGN2-DETAILED2	-----	-----	-----
DESIGN3-DETAILED3	-----	-----	-----
REVISIONS 1	-----	-----	-----
REVISIONS 2	-----	-----	-----
REVISIONS 3	-----	-----	-----
REVISIONS 4	-----	-----	-----
FIELD CHANGES	-----	-----	-----

SIGNATURE

10620 P.E. NUMBER

9-17-21 DATE

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

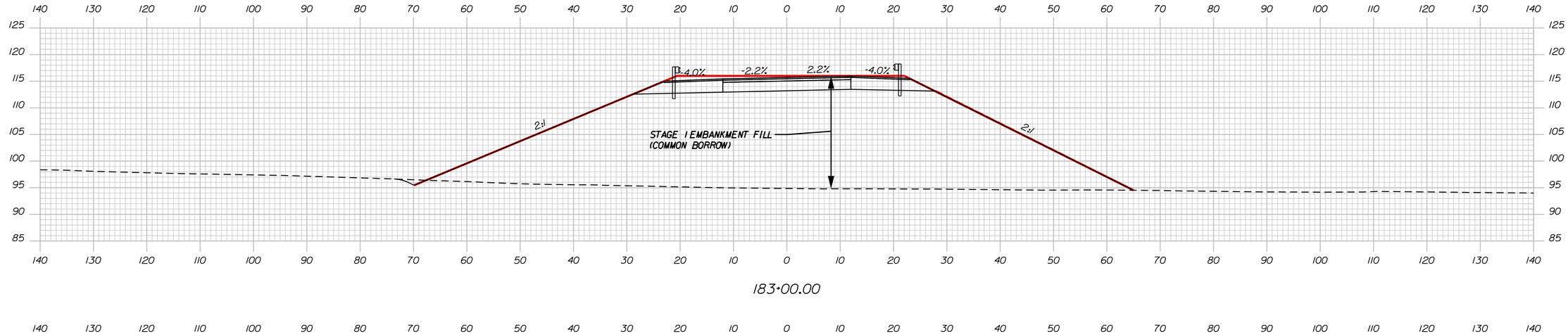
SPECIAL EMBANKMENT CONSTRUCTION
SELECT CROSS SECTIONS - AREA 4 (2 OF 3)

SHEET NUMBER

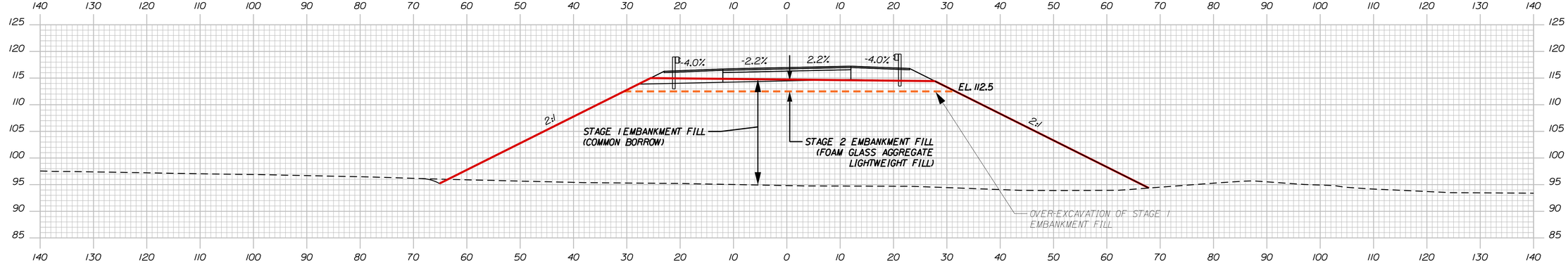
SE36

OF 52

Date:9/16/2021 Username: Division: Filename: ...\GSE_Area 4 ISCS 2.dgn



183+00.00



182+50.00

CROSS SECTION

HORIZ 10 0 10 20

VERT 10 0 10 20

SCALE

1. REFER TO SHEET SE38 FOR SPECIAL EMBANKMENT CONSTRUCTION NOTES.

HALEY ALDRICH

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00

HIGHWAY PLANS

STATE OF MAINE · WAYNE A. CHAUDOURNE · No. 10620 · LICENSED PROFESSIONAL ENGINEER

		BY	DATE
PROJ. MANAGER	.....		
DESIGN-DETAILED	E. FORCE	K. POST	6-18-21
CHECKED-REVIEWED	E. FORCE	W. CHAUDOURNE	9-17-21
DESIGN2-DETAILED2	.....	.....	.....
DESIGN3-DETAILED3	.....	.....	.....
REVISIONS 1	.....	.....	.....
REVISIONS 2	.....	.....	.....
REVISIONS 3	.....	.....	.....
REVISIONS 4	.....	.....	.....
FIELD CHANGES	.....	.....	.....

SIGNATURE

10620
P.E. NUMBER

9-17-21
DATE

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

SPECIAL EMBANKMENT CONSTRUCTION
SELECT CROSS SECTIONS - AREA 4 (3 OF 3)

SHEET NUMBER

SE37

OF 52

Date:9/16/2021

Username:

Division:

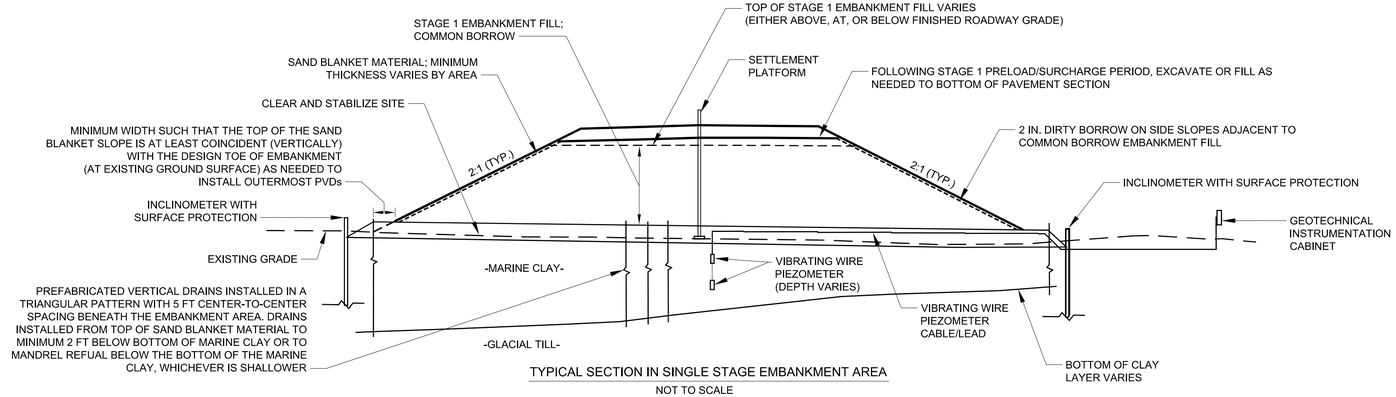
Filename: ...\GSE_Area 4 ISCS 3.dgn

ANTICIPATED MAGNITUDE OF SETTLEMENT AT END OF STAGE I PRELOAD/SURCHARGE PERIOD

Area	Baseline	Station	Anticipated Magnitude of Settlement End of Stage 1 Preload/Surcharge Period (in.)
1	Mainline	52+00	5-7
1	Mainline	53+00	18-24
1	Mainline	56+50	12-16
1	Mainline	59+00	3-6
1	Mainline	63+00	2-16
1	Mainline	65+50	9-12
1	Mainline	68+00	4-6
1	Mainline	77+00	4-6
1	Mainline	82+50	2-4
1	Ramp D	907+00	12-18
1	Ramp D	908+50	4-6
1	Ramp E	712+00	2-6
1	Ramp E	713+50	4-6
1	Ramp E	717+50	2-4
1	Ramp F	801+00	4-6
2	Mainline	140+00	8-12
2	Mainline	142+00	8-10
2	Mainline	143+00	4-6
4	Mainline	180+50	18-24
4	Mainline	181+50	10-14
4	Mainline	182+00	4-6
4	Mainline	183+50	3-5
4	Mainline	185+00	3-5

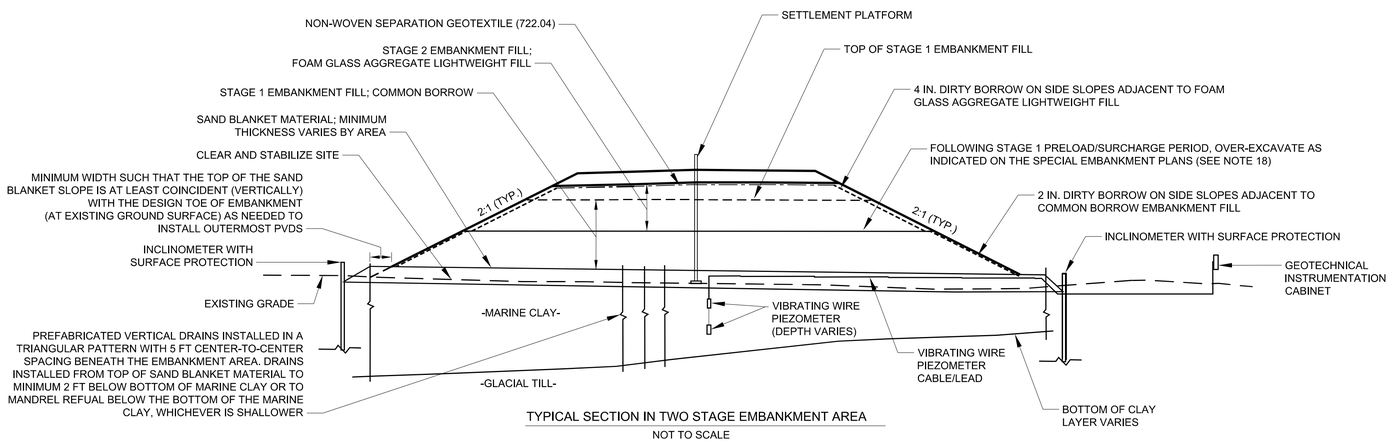
NOTES:

1. ANTICIPATED MAGNITUDE OF SETTLEMENT INDICATED IS ALONG THE EMBANKMENT CENTERLINE.
2. THE CONTRACTOR'S EMBANKMENT FILL QUANTITY ESTIMATE SHALL ACCOUNT FOR THE ANTICIPATED MAGNITUDE OF SETTLEMENT RANGES INDICATED ABOVE.
3. THE CONTRACTOR'S BID SHALL INCLUDE OVER-EXCAVATION INTO STAGE 1 FILL AS NEEDED TO CONSTRUCT STAGE 2 EMBANKMENT.



TYPICAL SECTION IN SINGLE STAGE EMBANKMENT AREA

NOT TO SCALE



TYPICAL SECTION IN TWO STAGE EMBANKMENT AREA

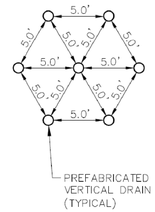
NOT TO SCALE

CULVERTS IN SPECIAL EMBANKMENT AREAS

Area	Station	Structure	Type	Requirements	Temporary Drainage Comments
1	715+75	Highway Cross Culvert	18-in. RCP	Install after preload/surcharge hold period	Temporary drainage required
	906+00	Highway Cross Culvert	24-in. RCP	Install after preload/surcharge hold period	Temporary drainage required
	55+08	Felts Brook	Box Culvert	Pile-supported, construct prior to embankment fill	Bypass required during construction
	58+50	Highway Cross Culvert	24-in. RCP	Install after preload/surcharge hold period	Temporary drainage required
	64+14	Felts Brook Tributary	Box Culvert	Full-height lightweight fill, construct concurrent with embankment fill	Bypass required during construction
	66+74	Highway Cross Culvert	96-in. RCP	Full-height lightweight fill, construct concurrent with embankment fill	Bypass required during construction
	77+00	Snowmobile 10C	Box Culvert	Install after preload/surcharge hold period	Temporary drainage not required
2	138+15	Highway Cross Culvert	18-in. RCP	No limitation on timing	Temporary drainage required, if install after hold period
4	180+99.93	Highway Cross Culvert	36-in. RCP	Install after preload/surcharge hold period	Temporary drainage required
	182+00	Highway Cross Culvert	36-in. RCP	Install after preload/surcharge hold period	Temporary drainage required

NOTES:

1. MEANS AND METHODS/SEQUENCING OF INSTALLING OTHER CULVERTS OUTSIDE SPECIAL EMBANKMENT AREAS SHALL BE DETERMINED BY THE CONTRACTOR (E.G.,CONVENTIONAL CONSTRUCTION).



TYPICAL FABRICATED VERTICAL DRAIN LAYOUT

NOTES:

1. SPECIAL EMBANKMENT CONSTRUCTION IDENTIFIED ON THE PLANS SHALL BE COMPLETED USING THE FOLLOWING GENERAL SEQUENCE UNLESS OTHERWISE APPROVED BY THE RESIDENT:
   - A. CLEAR AND STABILIZE THE SITE. GRUBBING IS NOT REQUIRED. SEE NOTE 17.
   - B. INSTALL AND INITIALIZE SETTLEMENT PLATFORMS.
   - C. PLACE PVD DRAINAGE LAYER (SAND BLANKET MATERIAL). REFER TO NOTE 3 FOR MINIMUM SAND BLANKET MATERIAL THICKNESS.
   - D. INSTALL PREFABRICATED VERTICAL DRAINS (PVDs) ON 5 FT SPACING (TRIANGULAR PATTERN, REFER TO DETAIL).
   - E. INSTALL AND INITIALIZE VIBRATING WIRE PIEZOMETERS AND INCLINOMETERS.
   - F. PLACE NORMAL WEIGHT, STAGE 1 EMBANKMENT FILL IN LIFTS TO THE STAGE 1 HEIGHT INDICATED ON THE SPECIAL EMBANKMENT PLANS.
   - G. WAIT FOR STAGE 1 HOLD PERIOD. SEE NOTE 12.
   - H1. IN SINGLE STAGE AREAS, EXCAVATE INTO STAGE 1 FILL OR PLACE ADDITIONAL EMBANKMENT FILL AS NEEDED TO CONSTRUCT PAVEMENT SECTION TO FINAL GRADE.
   - H2. IN TWO STAGE AREAS, EXCAVATE STAGE 1 EMBANKMENT FILL IF NEEDED (AS SHOWN ON SPECIAL EMBANKMENT PLANS, PROFILES AND CROSS SECTIONS) AND PLACE FOAM GLASS AGGREGATE (FGA) LIGHTWEIGHT FILL TO THE BOTTOM OF THE PAVEMENT SECTION. MINIMUM THICKNESS OF FGA IS INDICATED ON THE SPECIAL EMBANKMENT PLANS. PLACE NON-WOVEN SEPARATION GEOTEXTILE OVER TOP OF FGA. CONSTRUCT PAVEMENT SECTION TO FINAL GRADE.
2. A PERIMETER BARRIER (SILT FENCE OR ENVIRONMENTAL CONTROL MEASURE) SHALL BE INSTALLED AT THE TOE OF THE EMBANKMENT SLOPE PRIOR TO PLACEMENT OF FILL.
3. SAND BLANKET MATERIAL SHALL MEET THE REQUIREMENTS OF SPECIAL PROVISION 211 OF THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL PLACE THE MINIMUM THICKNESS OF SAND BLANKET MATERIAL IN THE FOLLOWING AREAS:
   AREA 1: 3 FT
   AREA 2: 2 FT
   AREA 4: 3 FT
   THE CONTRACTOR SHALL PLACE ADDITIONAL SAND BLANKET MATERIAL IF NEEDED TO STABILIZE THE SITE FOR CONSTRUCTION EQUIPMENT/OPERATIONS.
4. THE EXISTING MARINE DEPOSIT IS CONSIDERED SENSITIVE AND WILL LOSE STRENGTH IF DISTURBED. ADDITIONAL MATERIAL, GEOTEXTILES AND /OR GEOGRIDS MAY BE NECESSARY TO PROVIDE SUPPORT FOR CONSTRUCTION EQUIPMENT.
5. PVDs SHALL BE INSTALLED IN ACCORDANCE WITH SPECIAL PROVISION 209. PVDs SHALL BE INSTALLED TO THE LIMITS SHOWN ON THE PLANS. NO FILL MATERIALS SHALL BE PLACED PRIOR TO INSTALLATION OF THE PVDs.
6. PVDs SHALL PENETRATE A MINIMUM OF 2 FT BELOW THE MARINE CLAY DEPOSIT OR TO MANDREL REFUSAL BELOW THE BOTTOM OF MARINE CLAY, WHICHEVER IS SHALLOWER.
7. EMBANKMENT FILL (COMMON BORROW; 703.18) SHALL BE COMPACTED TO A MINIMUM DENSITY AS STATED IN SECTION 203 OF THE STANDARD SPECIFICATIONS. EMBANKMENT FILL (COMMON BORROW) SHALL HAVE AN IN-PLACE UNIT WEIGHT OF 120 TO 125 PCF. PAYMENT FOR FURNISHING, PLACING AND COMPACTING SURCHARGE FILL SHALL BE INCIDENTAL TO ITEM 703.18 (COMMON BORROW).
8. WHERE NEW EMBANKMENT FILLS ARE PLACED ON EXISTING SLOPES STEEPER THAN 2H:1V, THE EXISTING SLOPES SHALL BE CONTINUOUSLY BENCHED PER STANDARD SPECIFICATION 203.09.
9. ANY FILL PLACEMENT ABOVE THE HEIGHTS/TOP ELEVATIONS OF THE STAGE 1 EMBANKMENT FILL SHOWN ON THE PLANS (E.G., FOR TEMPORARY RAMPING, ETC.) SHALL NOT BE ALLOWED UNLESS A SUBMITTAL OUTLINING THE ADDITIONAL FILL LINES/GRADES IS PROVIDED BY THE CONTRACTOR FOR REVIEW, AND IT IS APPROVED BY THE RESIDENT.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CARE AND TREATMENT OF THE SLOPES THROUGHOUT THE STAGE 1 PRELOAD/SURCHARGE PERIOD, DURING STAGE 2 FILL PLACEMENT AND THROUGHOUT CONSTRUCTION.
11. AFTER STAGE 1 EMBANKMENT FILL HAS BEEN PLACED, IT SHALL BE LEFT IN-PLACE UNTIL 90% OF PRIMARY CONSOLIDATION IS COMPLETE AS DETERMINED BY THE GEOTECHNICAL ENGINEER, BASED ON THE GEOTECHNICAL INSTRUMENTATION DATA COLLECTED DURING THE PRELOAD/SURCHARGE PERIOD.
12. COMPLETION OF THE STAGE 1 PRELOAD/SURCHARGE PERIOD WILL BE DETERMINED BY THE GEOTECHNICAL ENGINEER BASED ON THE COLLECTION AND EVALUATION OF INSTRUMENTATION DATA AND IN-SITU UNDRAINED SHEAR STRENGTH MEASUREMENTS WITHIN THE MARINE CLAY DEPOSIT. THE DURATION OF THE PRELOAD/SURCHARGE PERIOD FOR STAGE 1 IS ANTICIPATED TO BE APPROXIMATELY 9 MONTHS. PRELOAD/SURCHARGE DURATIONS BEGIN AT THE COMPLETION OF STAGE 1 FILL PLACEMENT TO THE LINES/GRADES SHOWN ON THE SPECIAL EMBANKMENT CONSTRUCTION PLANS. THE ACTUAL SURCHARGE DURATIONS MAY BE MORE OR LESS THAN THE ANTICIPATED DURATIONS. COMMENCEMENT OF STAGE 2 FILL PLACEMENT OR THE REMOVAL OF STAGE 1 FILL SHALL NOT BEGIN UNTIL DIRECTED BY THE RESIDENT. THE CONTRACTOR SHALL CONSIDER THESE REQUIREMENTS IN THEIR BID AND IN SEQUENCING/SCHEDULING THE WORK.
13. THE CONTRACTOR SHALL PROVIDE THE RESIDENT AND GEOTECHNICAL ENGINEER ACCESS TO CONDUCT ADDITIONAL IN-SITU STRENGTH TESTING (E.G., CONE PENETROMETER TESTING) IF NEEDED TO DETERMINE THE STRENGTH GAIN ACHIEVED DURING THE STAGE 1 PRELOAD/SURCHARGE PERIOD.
14. NON-WOVEN SEPARATION GEOTEXTILE MEETING THE MINIMUM REQUIREMENTS OF MAINEDOT 722.04 SHALL BE PLACED ON THE SUBGRADE BENEATH FOAM GLASS AGGREGATE LIGHTWEIGHT FILL IN FULL-HEIGHT LIGHTWEIGHT FILL AREAS FROM STA. 63+50 TO STA. 64+75 AND FROM STA. 66+25 TO STA. 67+25.
15. CONSTRUCTION EQUIPMENT TRAFFIC IS PROHIBITED FROM TRAVELING DIRECTLY ON FGA IN AREAS WHERE FGA IS PRESENT AT PAVEMENT SECTION SUBGRADE LEVEL. WITHIN 48 HOURS AFTER THE PLACEMENT AND COMPACTION OF FGA IN THESE AREAS IS COMPLETE, THE CONTRACTOR SHALL PLACE AND COMPACT A MINIMUM 12-IN. THICK LAYER OF AGGREGATE SUBBASE MATERIAL TO PROTECT THE FGA FROM DAMAGE.
16. IF RUTTING OF THE FGA SURFACE OCCURS DUE TO EXCESSIVE CONSTRUCTION EQUIPMENT TRAFFIC DURING EMBANKMENT CONSTRUCTION, THE CONTACTOR SHALL EXCAVATE AND REPLACE DAMAGED FGA MATERIAL TO THE SATISFACTION OF THE RESIDENT AT NO ADDITIONAL COST TO THE DEPARTMENT.
17. THE SPECIAL EMBANKMENT CONSTRUCTION AREAS SHOWN ON THE PLANS SHALL BE CLEARED PER THE REQUIREMENTS OF STANDARD SPECIFICATION SECTION 201 (201.01 AND 201.04) WITH THE EXCEPTION OF THE FOLLOWING: STUMPS AND ROOT BALLS FOR TREES GREATER THAN OR EQUAL TO 6 IN. IN AVERAGE DIAMETER SHALL BE FULLY REMOVED RATHER THAN JUST CUT OFF AT GROUND SURFACE. GRUBBING IN THE SPECIAL EMBANKMENT CONSTRUCTION AREAS, AS DEFINED IN STANDARD SPECIFICATION SECTION 203 (203.01 AND 203.09), IS NOT REQUIRED.
18. PLACEMENT OF ADDITIONAL EMBANKMENT FILL (COMMON BORROW) PRIOR TO PLACING LIGHTWEIGHT FILL IN STAGE 2 IS REQUIRED AT THE FOLLOWING APPROXIMATE LOCATIONS:
    STA. 713+00 TO STA. 715+50; STA. 801+75 TO STA. 804+25.
19. THE CONTRACTOR SHALL CONDUCT AS-BUILT TOPOGRAPHIC SURVEYS OF COMPLETED AREAS OF THE STAGE 1 EMBANKMENT (PRELOAD/SURCHARGE) FILL SURFACE ONCE STAGE 1 FILL PLACEMENT HAS BEEN COMPLETED IN AN AREA. THE CONTRACTOR SHALL COMPLETE THE SURVEY WITHIN 1 WEEK OF COMPLETION OF STAGE 1 EMBANKMENT FILL PLACEMENT IN AN AREA. THE SURVEY RESULTS SHALL BE SUBMITTED TO THE RESIDENT WITHIN 48 HOURS OF COMPLETION OF THE SURVEY. IF THE SURVEY SHOWS THAT DESIGN STAGE 1 EMBANKMENT FILL LINES/GRADES AS SHOWN ON THE PLANS HAVE NOT BEEN MET, THE RESIDENT WILL NOTIFY THE CONTRACTOR, AND THE CONTRACTOR SHALL CONDUCT ADDITIONAL WORK NEEDED TO MEET DESIGN LINES/GRADES TO THE SATISFACTION OF THE RESIDENT, AT NO ADDITIONAL COST TO THE DEPARTMENT.

HALEY ALDRICH

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN 018915.00

HIGHWAY PLANS

STATE OF MAINE · WAYNE A. CHADBOURNE · No. 10620 · REGISTERED PROFESSIONAL ENGINEER

PROJ. MANAGER	BY	DATE
DESIGN-DETAILED	E. FORCE	6-18-21
CHECKED-REVIEWED	E. FORCE	9-17-21
DESIGN2-DETAILED2	K. POST	-----
DESIGN3-DETAILED3	W. CHADBOURNE	-----
REVISIONS 1	-----	-----
REVISIONS 2	-----	-----
REVISIONS 3	-----	-----
REVISIONS 4	-----	-----
FIELD CHANGES	-----	-----

10620 P.E. NUMBER

9-17-21 DATE

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

SPECIAL EMBANKMENT CONSTRUCTION
GENERAL NOTES & TYPICAL DETAILS

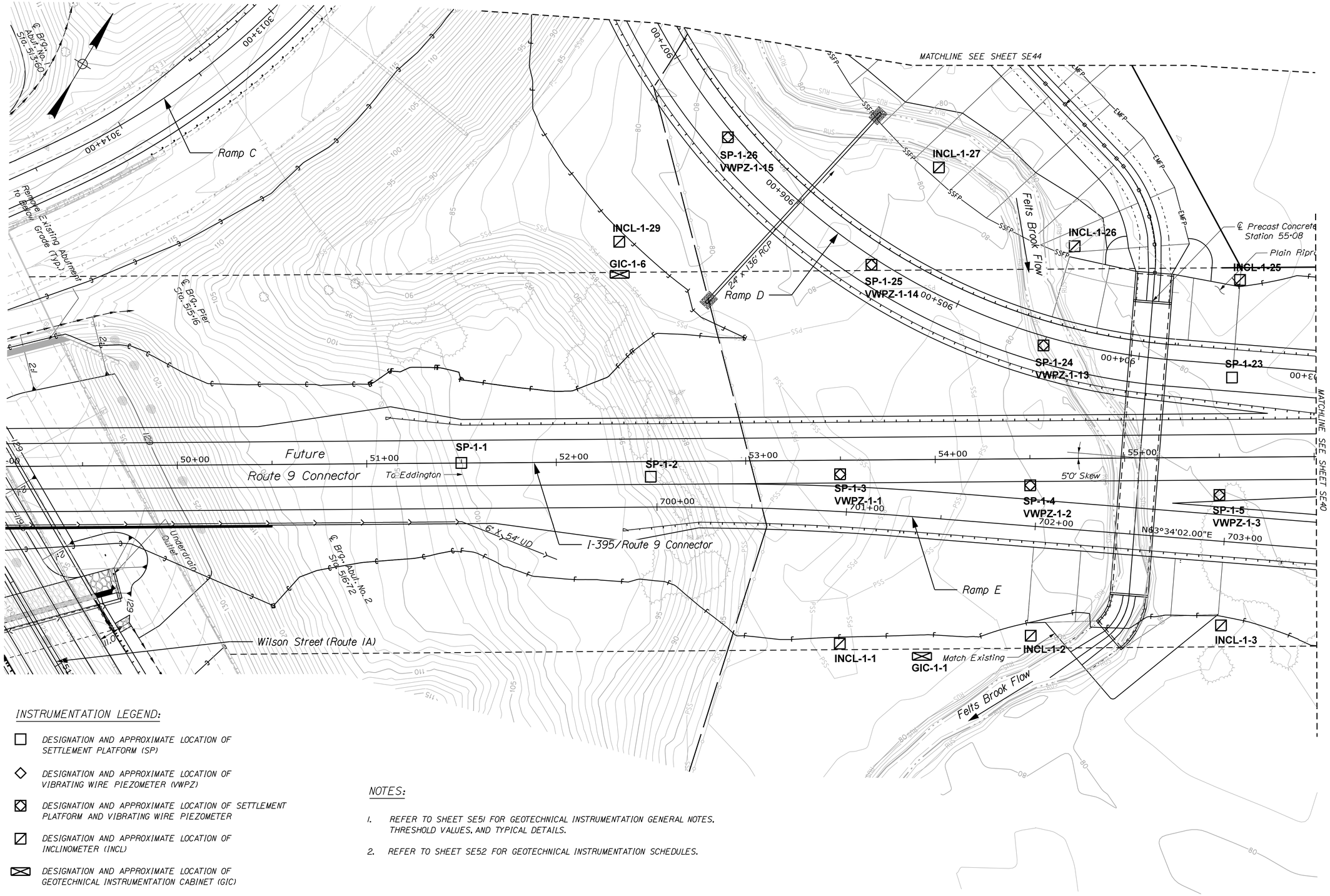
SHEET NUMBER

SE38

OF 52

Filename: ...\GSE_Notes & Legend.dgn Division: Username: Date:9/16/2021

Filename: ...\GI_Plan8.dgn Username: Division: Date:9/16/2021



INSTRUMENTATION LEGEND:

- *DESIGNATION AND APPROXIMATE LOCATION OF SETTLEMENT PLATFORM (SP)*
- *DESIGNATION AND APPROXIMATE LOCATION OF VIBRATING WIRE PIEZOMETER (VWPZ)*
- *DESIGNATION AND APPROXIMATE LOCATION OF SETTLEMENT PLATFORM AND VIBRATING WIRE PIEZOMETER*
- *DESIGNATION AND APPROXIMATE LOCATION OF INCLINOMETER (INCL)*
- *DESIGNATION AND APPROXIMATE LOCATION OF GEOTECHNICAL INSTRUMENTATION CABINET (GIC)*

NOTES:

1. *REFER TO SHEET SE51 FOR GEOTECHNICAL INSTRUMENTATION GENERAL NOTES, THRESHOLD VALUES, AND TYPICAL DETAILS.*
2. *REFER TO SHEET SE52 FOR GEOTECHNICAL INSTRUMENTATION SCHEDULES.*

PLAN

25 0 25 50
Scale of Feet

HALEY ALDRICH

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN 018915.00

HIGHWAY PLANS

STATE OF MAINE · WAYNE A. CHADBOURNE · No. 10620 · LICENSED PROFESSIONAL ENGINEER

	BY	DATE
PROJ. MANAGER	-----	-----
DESIGN-DETAILED	E. FORCE	7-15-21
CHECKED-REVIEWED	E. FORCE	9-17-21
DESIGN2-DETAILED2	-----	-----
DESIGN3-DETAILED3	-----	-----
REVISIONS 1	-----	-----
REVISIONS 2	-----	-----
REVISIONS 3	-----	-----
REVISIONS 4	-----	-----
FIELD CHANGES	-----	-----

SIGNATURE

10620
P.E. NUMBER

9-17-21
DATE

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR
GEOTECHNICAL INSTRUMENTATION PLAN - AREA 1 (1 OF 8)

SHEET NUMBER

SE39

OF 52

Username:

Division:

Date:9/16/2021

Filename: ...\GI_Plan9.dgn

e Box Culvert

ap (Typ.)

INCL-1-4

INCL-1-5

INCL-1-6

INCL-1-8

SP-1-6

SP-1-7

SP-1-8
VWPZ-1-4

SP-1-9

SP-1-10
VWPZ-1-5

24" x 128' RCP

I-395/Route 9 Connector

To Wilson St., Brewer

INCL-1-7

SP-1-30

SP-1-31

INCL-1-32

GIC-1-7

INCL-1-33

Ramp E

INCL-1-34

SP-1-32
VWPZ-1-17

INCL-1-35

INCL-1-37

SP-1-34

INCL-1-36

GIC-1-8

Ramp F

SP-1-35
VWPZ-1-18

INCL-1-38

56+00 57+00 58+00 59+00 60+00 61+00 62+00 813+00 812+00 811+00 810+00 707+00 706+00 705+00 704+00 902+00 901+00 900+00

MATCHLINE SEE SHEET SE39

MATCHLINE SEE SHEET SE41

MATCHLINE SEE SHEET SE45

NOTES:
1. REFER TO SHEET SE39 FOR NOTES AND LEGEND.

PLAN

25 0 25 50
Scale of Feet

HALEY ALDRICH

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00

HIGHWAY PLANS

STATE OF MAINE · WAYNE A. CHADBOURNE · No. 10620 · LICENSED PROFESSIONAL ENGINEER

	BY	DATE
PROJ. MANAGER	----------	-----
DESIGN-DETAILED	E. FORCE	7-15-21
CHECKED-REVIEWED	E. FORCE	9-17-21
DESIGN2-DETAILED2	-----	-----
DESIGN3-DETAILED3	-----	-----
REVISIONS 1	-----	-----
REVISIONS 2	-----	-----
REVISIONS 3	-----	-----
REVISIONS 4	-----	-----
FIELD CHANGES	-----	-----

W. CHADBOURNE — SIGNATURE

10620 — P.E. NUMBER

9-17-21 — DATE

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

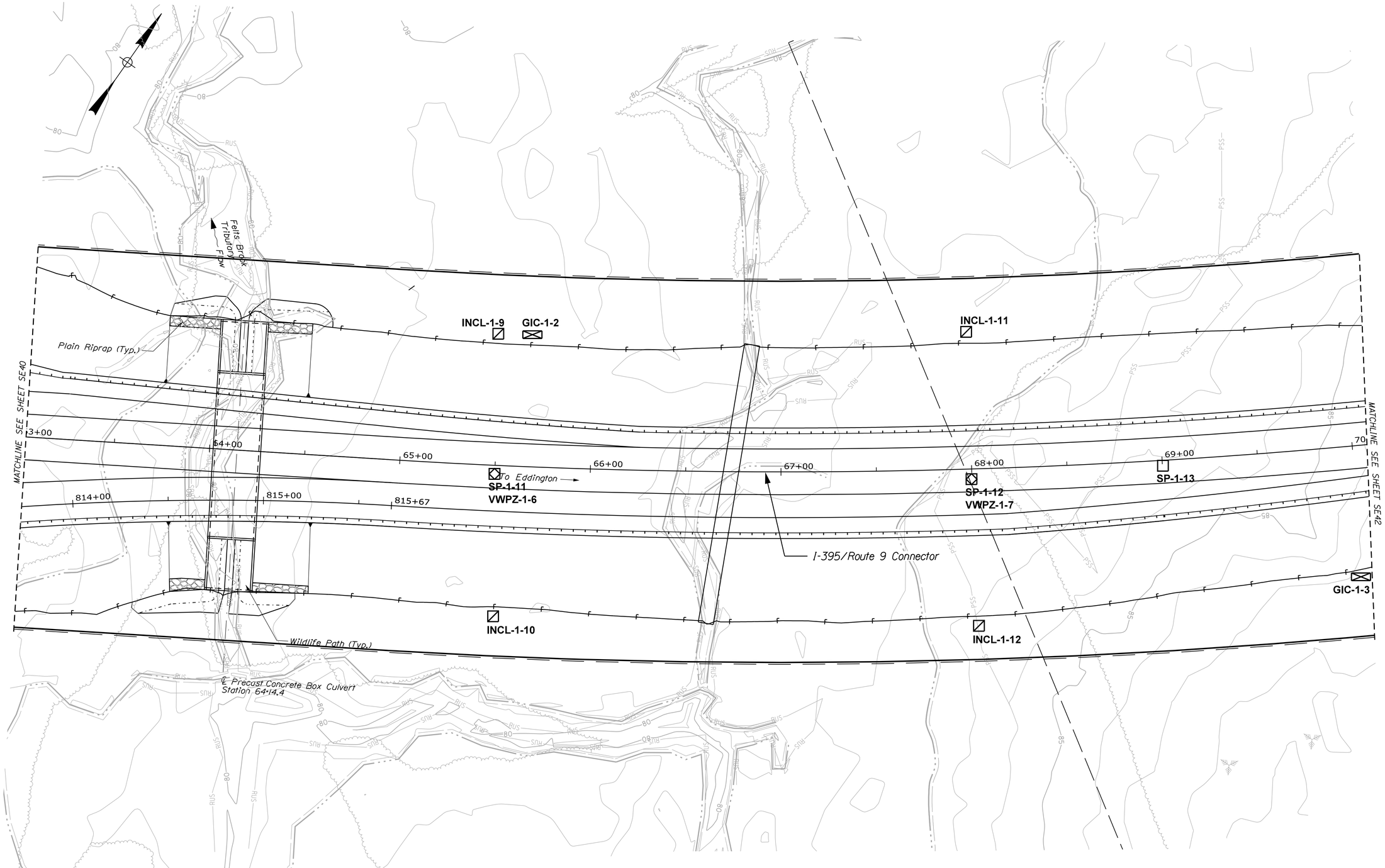
GEOTECHNICAL INSTRUMENTATION
PLAN - AREA 1 (2 OF 8)

SHEET NUMBER

SE40

OF 52

Filename: ...\GI_Plan10.dgn Division: Username: Date:9/16/2021



NOTES:
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PLAN

25 0 25 50
Scale of Feet

HALEY ALDRICH

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00

HIGHWAY PLANS

STATE OF MAINE
WAYNE A. CHADBOURNE
No. 10620
LICENSED PROFESSIONAL ENGINEER

	BY	DATE
PROJ. MANAGER	.....	.....
DESIGN-DETAILED	E. FORCE	7-15-21
CHECKED-REVIEWED	E. FORCE	9-17-21
DESIGN2-DETAILED2	.....	.....
DESIGN3-DETAILED3	.....	.....
REVISIONS 1	.....	.....
REVISIONS 2	.....	.....
REVISIONS 3	.....	.....
REVISIONS 4	.....	.....
FIELD CHANGES	.....	.....

K. POST
W. CHADBOURNE
10620
P.E. NUMBER
9-17-21
DATE

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

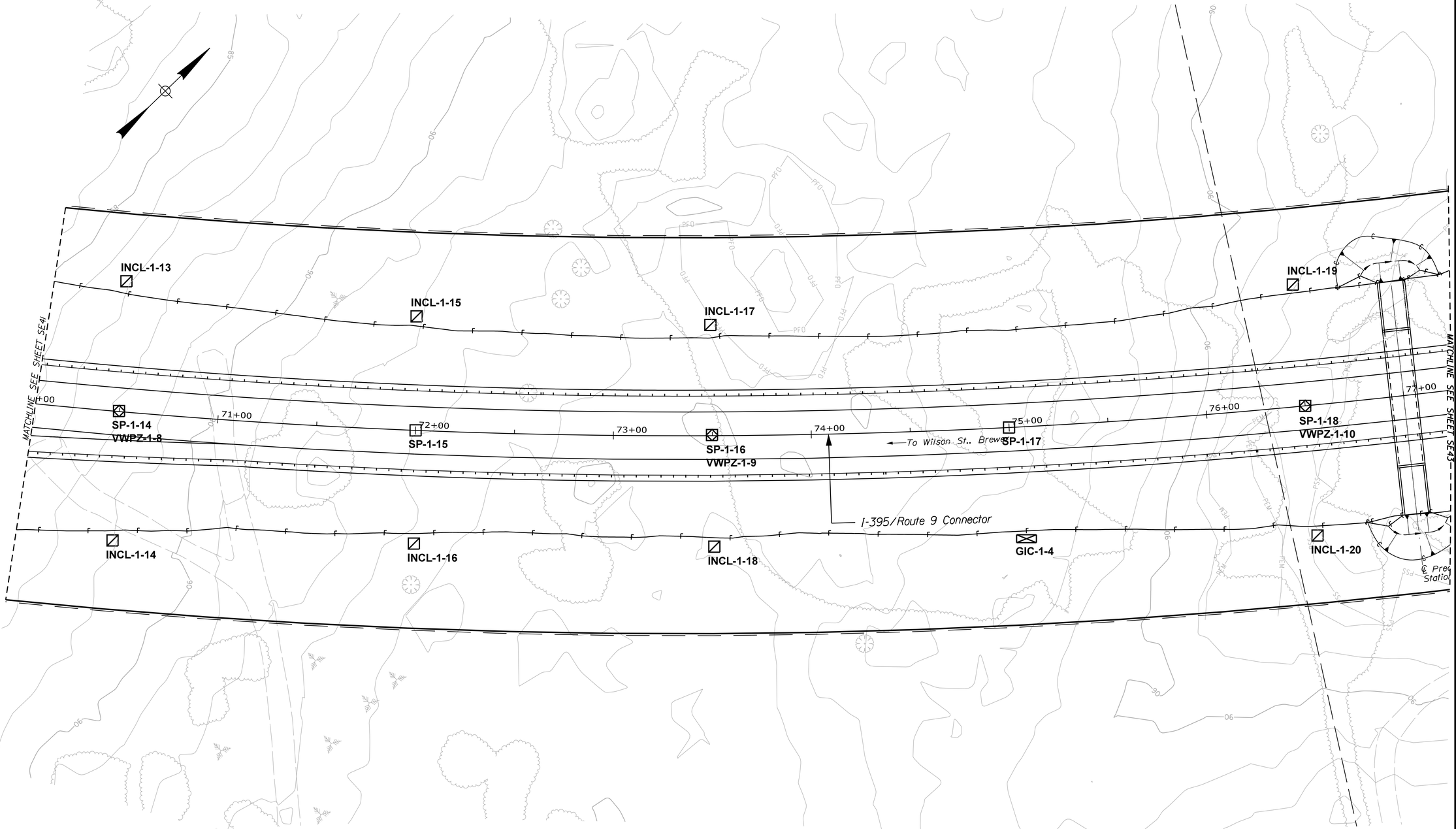
GEOTECHNICAL INSTRUMENTATION
PLAN - AREA 1 (3 OF 8)

SHEET NUMBER

SE41

OF 52

Filename: ...\GI_Plan11.dgn Division: Username: Date:9/16/2021



NOTES:
1. REFER TO SHEET SE39 FOR NOTES AND LEGEND.

PLAN

25 0 25 50
Scale of Feet

HALEY ALDRICH

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00

HIGHWAY PLANS

STATE OF MAINE · WAYNE A. CHAUDOURNE · No. 10620 · LICENSED PROFESSIONAL ENGINEER

BY	DATE
K. POST	7-15-21
W. CHAUDOURNE	9-17-21
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PROJ. MANAGER	----------
DESIGN-DETAILED	E. FORCE
CHECKED-REVIEWED	E. FORCE
DESIGN2-DETAILED2	-----
DESIGN3-DETAILED3	-----
REVISIONS 1	-----
REVISIONS 2	-----
REVISIONS 3	-----
REVISIONS 4	-----
FIELD CHANGES	-----

10620
P.E. NUMBER

9-17-21
DATE

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

GEOTECHNICAL INSTRUMENTATION PLAN - AREA 1 (4 OF 8)

SHEET NUMBER

SE42

OF 52

Filename: ...\GI_Plan12.dgn Division: Username: Date:9/16/2021

POR NO. 25
BREWER MAP 3, LOT 23A
WILSON STREET REALTY TRUST

POR NO. 25
BREWER MAP 3, LOT 23A
WILSON STREET REALTY TRUST

INCL-1-21

INCL-1-23

MATCHLINE SEE SHEET SE42

SP-1-19
VWPZ-1-11

78+00

SP-1-20

79+00

To Eddington

80+00

SP-1-21
VWPZ-1-12

81+00

SP-1-22

82+00

83+00

POR NO. 25
BREWER MAP 3, LOT 23A
WILSON STREET REALTY TRUST

I-395/Route 9 Connector

INCL-1-22

ost Concrete Box Culvert
77+00

GIC-1-5

INCL-1-24

POR NO. 25
BREWER MAP 3, LOT 23A
WILSON STREET REALTY TRUST

POR NO. 25
BREWER MAP 3, LOT 23A
WILSON STREET REALTY TRUST

NOTES:
1. REFER TO SHEET SE39 FOR NOTES AND LEGEND.

PLAN

25 0 25 50
Scale of Feet

HALEY ALDRICH

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00

HIGHWAY PLANS

STATE OF MAINE
WAYNE A. CHAUBOURNE
No. 10620
LICENSED PROFESSIONAL ENGINEER

	BY	DATE
PROJ. MANAGER	-----	-----
DESIGN-DETAILED	K. POST	7-15-21
CHECKED-REVIEWED	W. CHAUBOURNE	9-17-21
DESIGN2-DETAILED2	-----	-----
DESIGN3-DETAILED3	-----	-----
REVISIONS 1	-----	-----
REVISIONS 2	-----	-----
REVISIONS 3	-----	-----
REVISIONS 4	-----	-----
FIELD CHANGES	-----	-----

W. CHAUBOURNE — SIGNATURE
10620 — P.E. NUMBER
9-17-21 — DATE

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

GEOTECHNICAL INSTRUMENTATION
PLAN - AREA 1 (5 OF 8)

SHEET NUMBER

SE43

OF 52

Filename: ...\GI_Plan50.dgn Division: Username: Date:9/16/2021

POR. NO. 17
MAP 3, LOT 28
STATE OF MAINE
126.3± AC (PER CITY)

Sta. 914+00.00
WIN 018915.20
Limit of Work

Match Existing

INCL-1-31
INCL-1-30
INCL-1-28

N37°02'19.97"W
N74°33'01.30"W

SP-1-29
SP-1-28
SP-1-27
VWPZ-1-16

Ramp D
RAMP D
Ramp C
RAMP C

MATCHLINE SEE SHEET SE39

NOTES:
1. REFER TO SHEET SE39 FOR NOTES AND LEGEND.

PLAN
25 0 25 50
Scale of Feet

HALEY ALDRICH

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00

HIGHWAY PLANS

STATE OF MAINE
WAYNE A. CHADBOURNE
No. 10620
LICENSED PROFESSIONAL ENGINEER

PROJ. MANAGER	----------	BY	DATE
DESIGN-DETAILED	E. FORCE	K. POST	7-15-21
CHECKED-REVIEWED	E. FORCE	W. CHADBOURNE	9-17-21
DESIGN2-DETAILED2	-----	-----	-----
DESIGN3-DETAILED3	-----	-----	-----
REVISIONS 1	-----	-----	-----
REVISIONS 2	-----	-----	-----
REVISIONS 3	-----	-----	-----
REVISIONS 4	-----	-----	-----
FIELD CHANGES	-----	-----	-----

10620 P.E. NUMBER
9-17-21 DATE
SIGNATURE

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

GEOTECHNICAL INSTRUMENTATION
PLAN - AREA 1 (6 OF 8)

SHEET NUMBER

SE44

OF 52

Filename: ...\GI_Plan51.dgn Division: Username: Date:9/16/2021

INCL-1-47
SP-1-42
VWPZ-1-23
MATCHLINE SEE SHEET SE46
INCL-1-45
SP-1-43
VWPZ-1-24
GIC-1-9
SP-1-41
VWPZ-1-22
INCL-1-43
RAMP E
INCL-1-41
INCL-1-46
SP-1-40
VWPZ-1-21
INCL-1-44
SP-1-39
VWPZ-1-20
INCL-1-42
SP-1-38
INCL-1-35
SP-1-32
VWPZ-1-17
SP-1-33
MATCHLINE SEE SHEET SE40
Ramp E
INCL-1-39
SP-1-36
SP-1-37
VWPZ-1-19
INCL-1-40
Ramp F
RAMP
715+00
714+00
803+00
713+00
804+00
712+00
805+00
711+00
806+00
710+00
807+00
709+00
808+00
708+00
809+00
707+00
706+00

NOTES:
1. REFER TO SHEET SE39 FOR NOTES AND LEGEND.

PLAN
25 0 25 50
Scale of Feet

HALEY ALDRICH

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00

HIGHWAY PLANS

STATE OF MAINE
WAYNE A. CHADBOURNE
No. 10620
LICENSED PROFESSIONAL ENGINEER

PROJ. MANAGER	----------	BY	DATE
DESIGN-DETAILED	E. FORCE	K. POST	7-15-21
CHECKED-REVIEWED	E. FORCE	W. CHADBOURNE	9-17-21
DESIGN2-DETAILED2	-----	-----	-----
DESIGN3-DETAILED3	-----	-----	-----
REVISIONS 1	-----	-----	-----
REVISIONS 2	-----	-----	-----
REVISIONS 3	-----	-----	-----
REVISIONS 4	-----	-----	-----
FIELD CHANGES	-----	-----	-----

SIGNATURE

10620
P.E. NUMBER

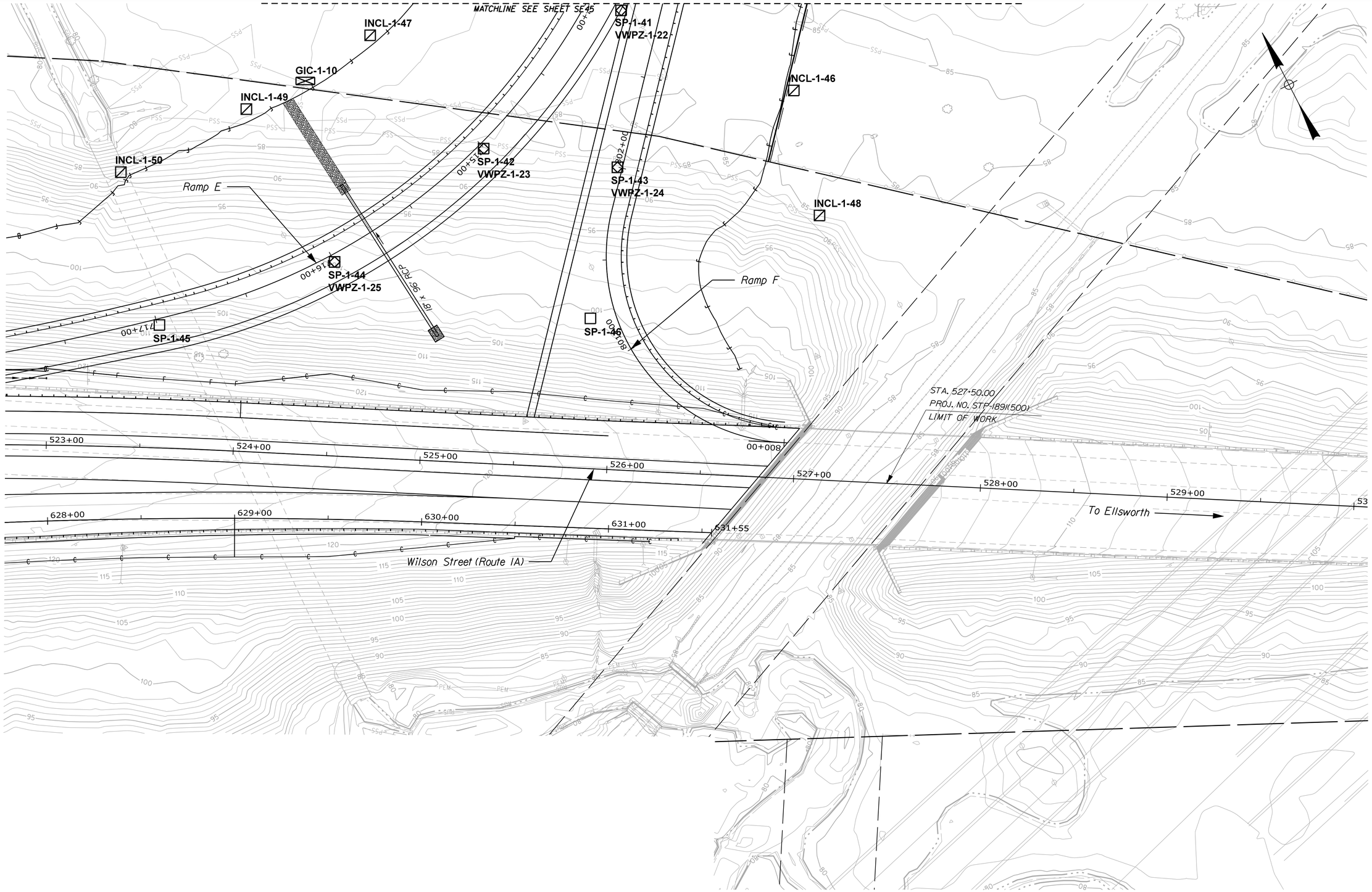
9-17-21
DATE

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR
GEOTECHNICAL INSTRUMENTATION
PLAN - AREA 1 (7OF 8)

SHEET NUMBER

SE45

OF 52



PLAN

NOTES:
1. REFER TO SHEET SE39 FOR NOTES AND LEGEND.

25 0 25 50
Scale of Feet

HALEY ALDRICH

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00

HIGHWAY PLANS

STATE OF MAINE · WAYNE A. CHADBOURNE · No. 10620 · LICENSED PROFESSIONAL ENGINEER

	BY	DATE
PROJ. MANAGER	----------	-----
DESIGN-DETAILED	E. FORCE	7-15-21
CHECKED-REVIEWED	E. FORCE	9-17-21
DESIGN2-DETAILED2	-----	-----
DESIGN3-DETAILED3	-----	-----
REVISIONS 1	-----	-----
REVISIONS 2	-----	-----
REVISIONS 3	-----	-----
REVISIONS 4	-----	-----
FIELD CHANGES	-----	-----

SIGNATURE

10620
P.E. NUMBER

9-17-21
DATE

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

GEOTECHNICAL INSTRUMENTATION
PLAN - AREA 1 (8 OF 8)

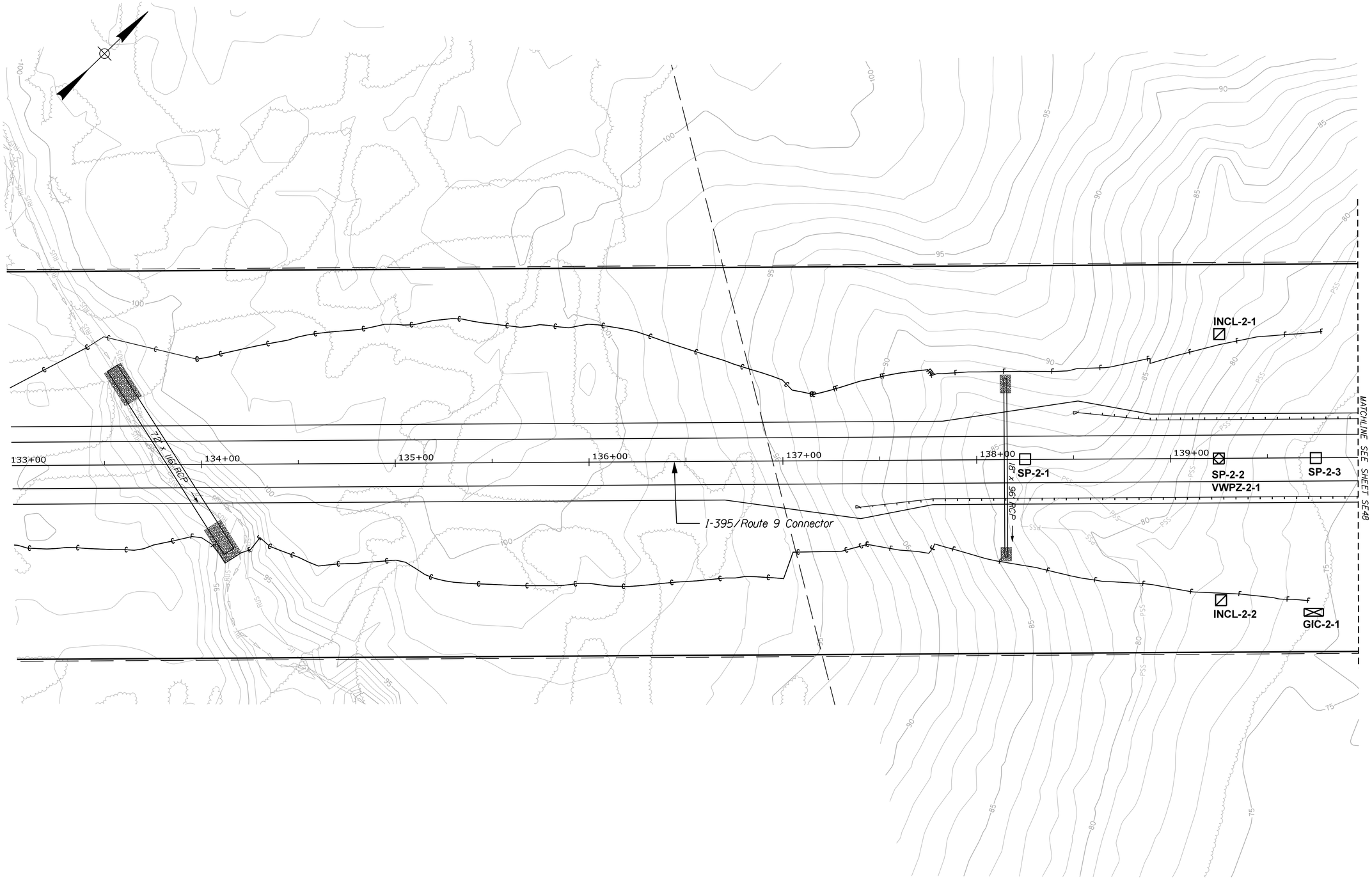
SHEET NUMBER

SE46

OF 52

Date:9/16/2021
Username:
Division:
Filename: ...\GI_Plan53.DGN

Filename: ...\GI_Plan20.dgn Division: Username: Date:9/16/2021



NOTES:
1. REFER TO SHEET SE39 FOR NOTES AND LEGEND.

PLAN

25 0 25 50
Scale of Feet

HALEY ALDRICH

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00

HIGHWAY PLANS

STATE OF MAINE
WAYNE A. CHADBOURNE
No. 10620
LICENSED PROFESSIONAL ENGINEER

	BY	DATE
PROJ. MANAGER	----------	-----
DESIGN-DETAILED	K. POST	7-15-21
CHECKED-REVIEWED	W. CHADBOURNE	9-17-21
DESIGN2-DETAILED2	-----	-----
DESIGN3-DETAILED3	-----	-----
REVISIONS 1	-----	-----
REVISIONS 2	-----	-----
REVISIONS 3	-----	-----
REVISIONS 4	-----	-----
FIELD CHANGES	-----	-----

SIGNATURE
10620
P.E. NUMBER
9-17-21
DATE

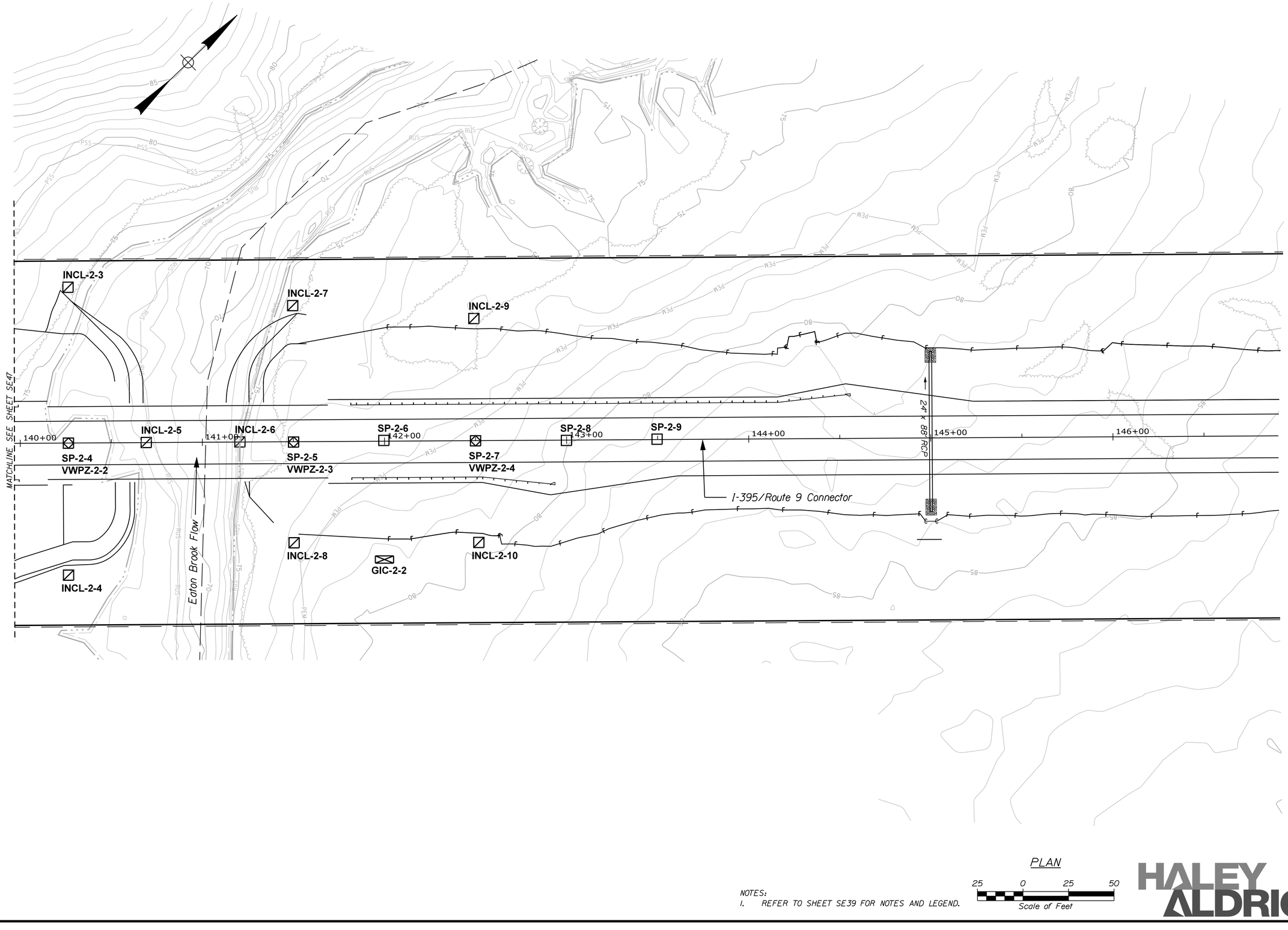
BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

GEOTECHNICAL INSTRUMENTATION
PLAN - AREA 2 (1 OF 2)

SHEET NUMBER

SE47

OF 52



PLAN

25 0 25 50

Scale of Feet

NOTES:
1. REFER TO SHEET SE39 FOR NOTES AND LEGEND.

HALEY ALDRICH

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00

HIGHWAY PLANS

STATE OF MAINE
WAYNE A. CHAUBOURNE
No. 10620
LICENSED PROFESSIONAL ENGINEER

BY	DATE
K. POST	7-15-21
W. CHAUBOURNE	9-17-21
-----	-----
-----	-----

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

P.E. NUMBER
10620

DATE
9-17-21

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

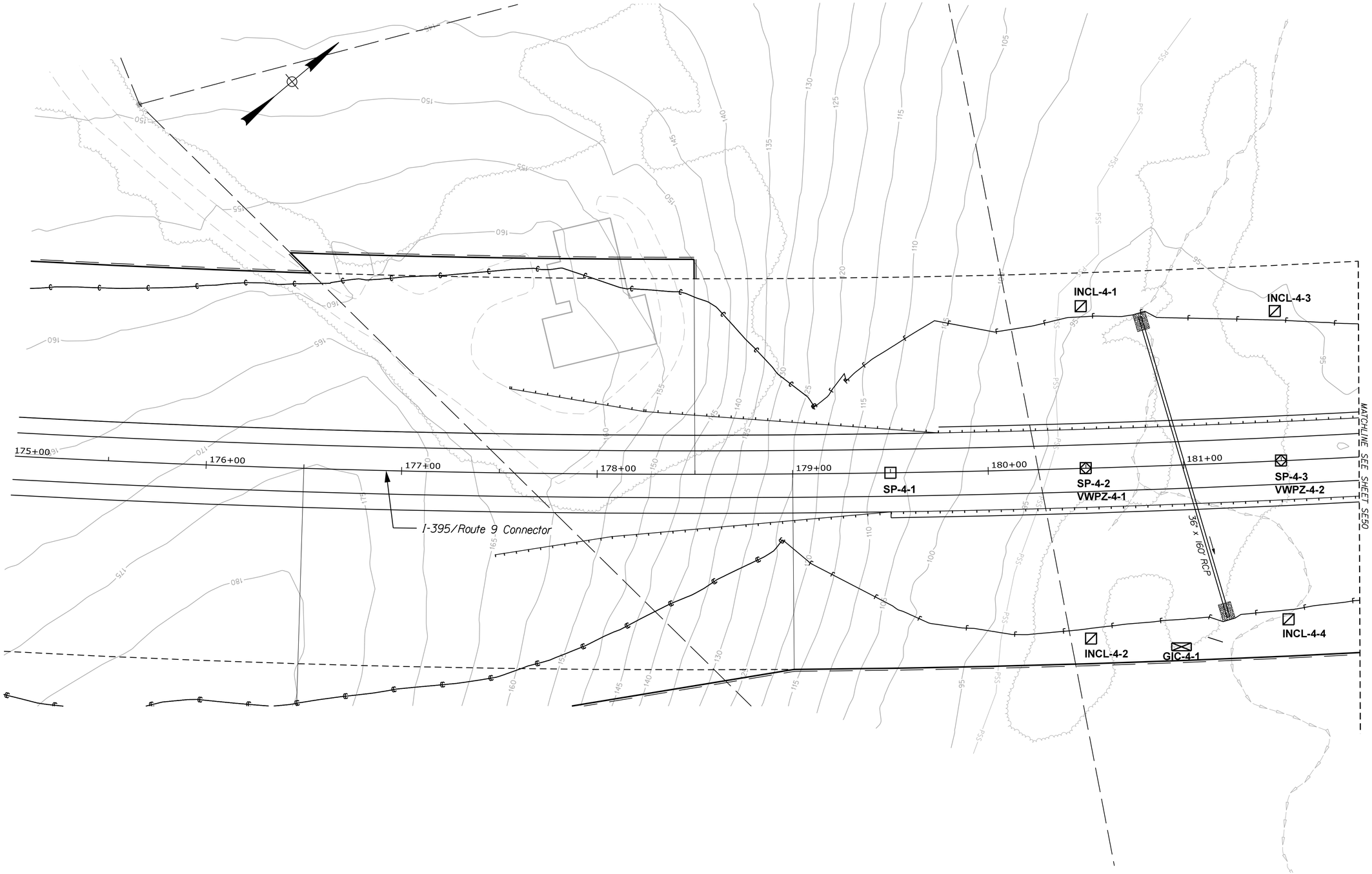
GEOTECHNICAL INSTRUMENTATION
PLAN - AREA 2 (2OF 2)

SHEET NUMBER

SE48

OF 52

Filename: ...\GI_Plan21.dgn Division: Username: Date:9/16/2021



PLAN

25 0 25 50
Scale of Feet

NOTES:
1. REFER TO SHEET SE39 FOR NOTES AND LEGEND.

HALEY ALDRICH

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00

HIGHWAY PLANS

STATE OF MAINE · WAYNE A. CHADBOURNE · No. 10620 · LICENSED PROFESSIONAL ENGINEER

	BY	DATE
PROJ. MANAGER	E. FORCE	7-15-21
DESIGN-DETAILED	K. POST	9-17-21
CHECKED-REVIEWED	W. CHADBOURNE	-----
DESIGN2-DETAILED2	E. FORCE	-----
DESIGN3-DETAILED3	-----	-----
REVISIONS 1	-----	-----
REVISIONS 2	-----	-----
REVISIONS 3	-----	-----
REVISIONS 4	-----	-----
FIELD CHANGES	-----	-----

SIGNATURE

10620
P.E. NUMBER

9-17-21
DATE

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

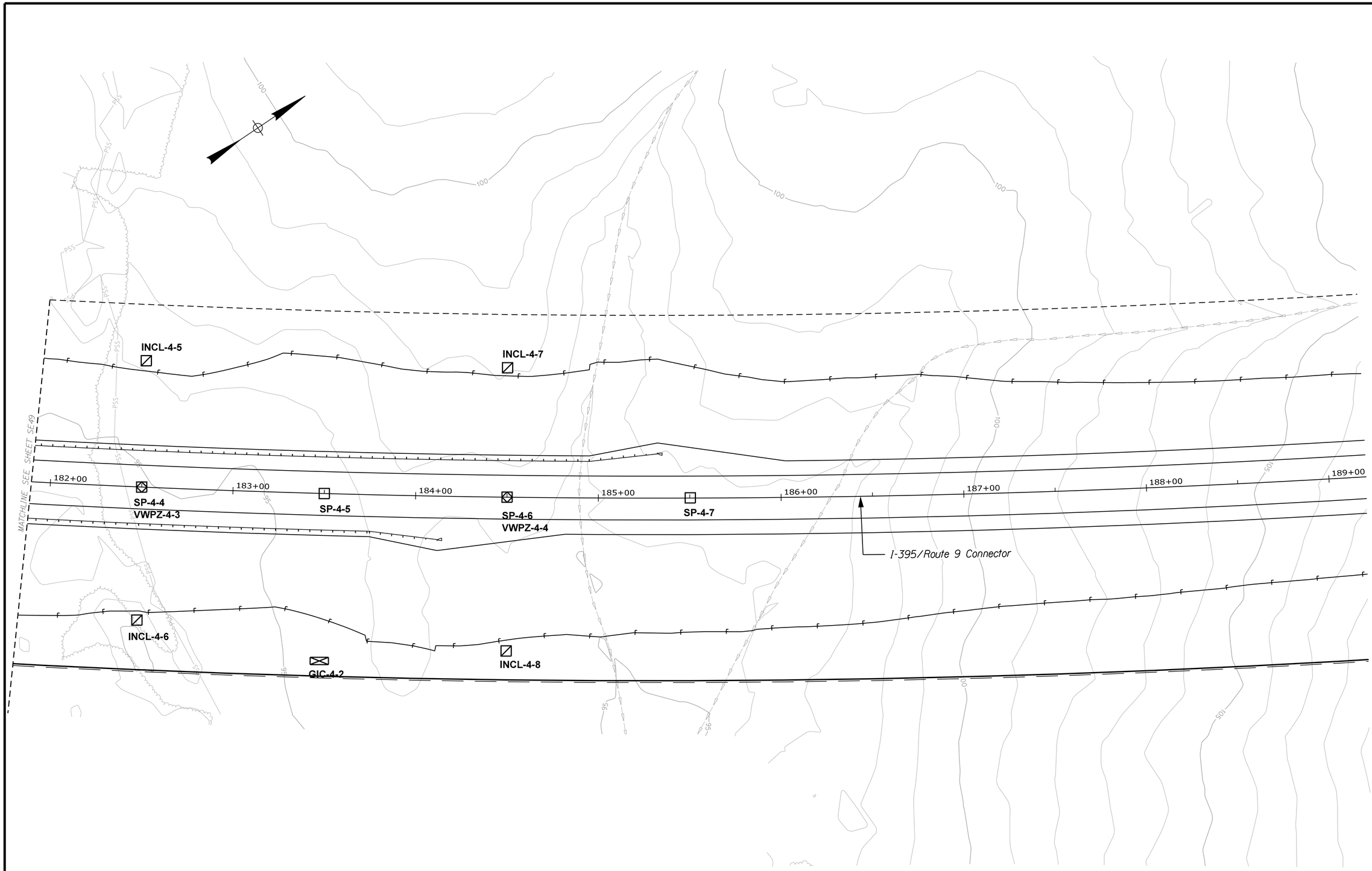
GEOTECHNICAL INSTRUMENTATION
PLAN - AREA 4 (1 OF 2)

SHEET NUMBER

SE49

OF 52

Date:9/16/2021
Username:
Division:
Filename: ...\GI_Plan26.dgn



NOTES:
1. REFER TO SHEET SE39 FOR NOTES AND LEGEND.

PLAN

25 0 25 50
Scale of Feet

HALEY ALDRICH

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN 018915.00

HIGHWAY PLANS

STATE OF MAINE · WAYNE A. CHADBOURNE · No. 10620 · LICENSED PROFESSIONAL ENGINEER

	BY	DATE
PROJ. MANAGER	E. FORCE	7-15-21
DESIGN-DETAILED	K. POST	9-17-21
CHECKED-REVIEWED	E. FORCE	-----
DESIGN2-DETAILED2	-----	-----
DESIGN3-DETAILED3	-----	-----
REVISIONS 1	-----	-----
REVISIONS 2	-----	-----
REVISIONS 3	-----	-----
REVISIONS 4	-----	-----
FIELD CHANGES	-----	-----

SIGNATURE

10620 P.E. NUMBER

9-17-21 DATE

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

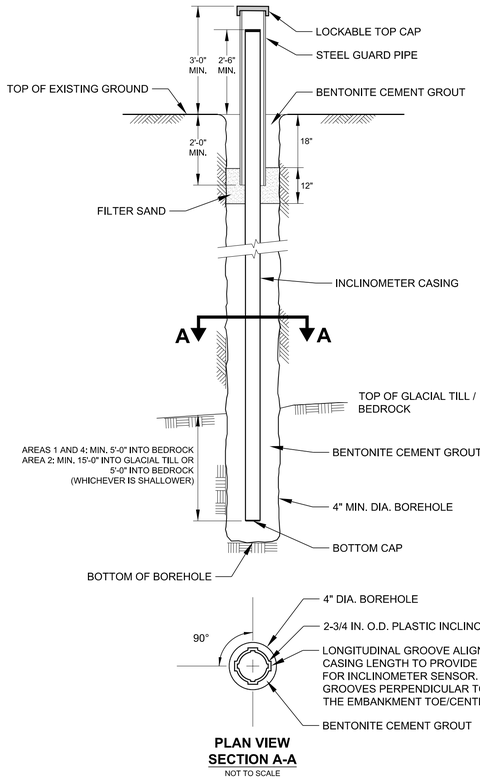
GEOTECHNICAL INSTRUMENTATION
PLAN - AREA 4 (2 OF 2)

SHEET NUMBER

SE50

OF 52

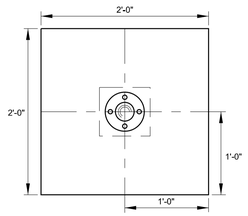
Filename: ...\GI_Plan27.dgn Division: Username: Date:9/16/2021



PLAN VIEW
SECTION A-A
NOT TO SCALE

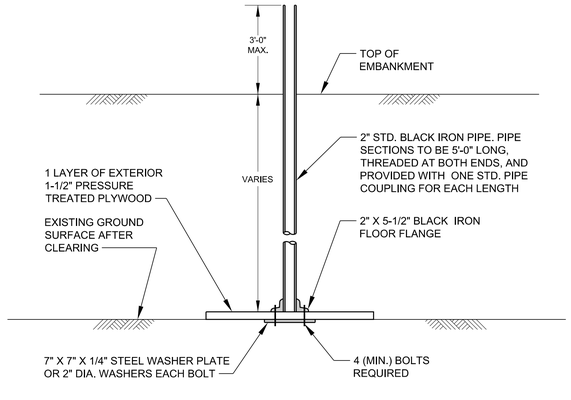
INCLINOMETER DETAIL

NOT TO SCALE



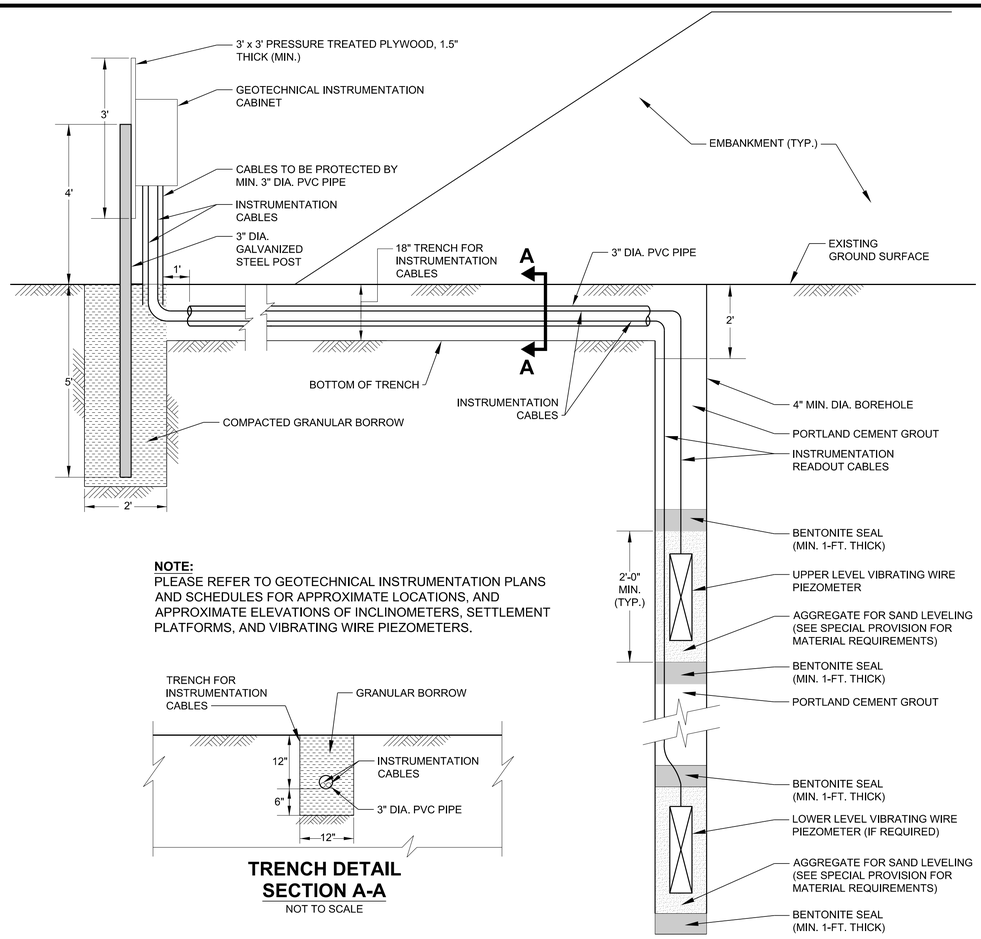
SETTLEMENT PLATFORM PLAN VIEW

NOT TO SCALE



SETTLEMENT PLATFORM DETAIL

NOT TO SCALE



NOTE:
PLEASE REFER TO GEOTECHNICAL INSTRUMENTATION PLANS AND SCHEDULES FOR APPROXIMATE LOCATIONS, AND APPROXIMATE ELEVATIONS OF INCLINOMETERS, SETTLEMENT PLATFORMS, AND VIBRATING WIRE PIEZOMETERS.

TRENCH DETAIL
SECTION A-A

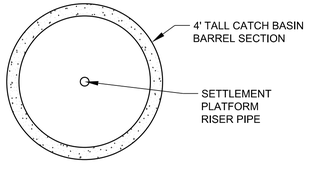
NOT TO SCALE

VIBRATING WIRE PIEZOMETER DETAIL AND GEOTECHNICAL INSTRUMENTATION CABINET

NOT TO SCALE

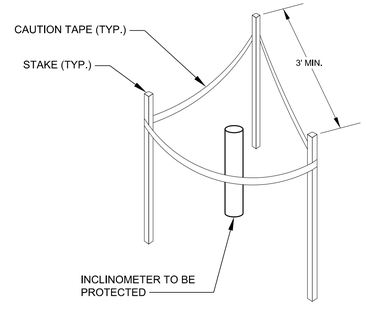
GENERAL NOTES:

1. PLEASE REFER TO GEOTECHINCAL INSTRUMENTATION PLANS AND SHCEDULES FOR APPROXIMATE LOCATIONS, TOTAL NUMBER AND APPROXIMATE ELEVATIONS OF INCLINOMETERS, SETTLEMENT PLATFORMS, AND VIBRATING WIRE PIEZOMETERS.
2. PRIOR TO SUBMITTING A BID THE CONTRACTOR SHALL REVIEW IN DETAIL THE REQUIREMENTS OF SPECIAL PROVISION SECTION 639 - ENGINEERING FACILITIES (GEOTECHNICAL INSTRUMENTATION).
3. INSTRUMENTS SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF SPECIAL PROVISION SECTION 639 - ENGINEERING FACILITIES (GEOTECHNICAL INSTRUMENTATION) AT THE LOCATIONS SHOWN ON THE PLANS AND IN THE INSTRUMENTATION SCHEDULES.
4. SETTLEMENT PLATFORMS AND PROTECTIVE BARRIERS SHALL BE FURNISHED, FABRICATED, INSTALLED, MAINTAINED, AND PROTECTED BY THE CONTRACTOR AT ALL TIMES. SETTLEMENT PLATFORMS SHALL BE INSTALLED ON THE SOIL SUBGRADE AFTER CLEARING ACTIVITIES ARE COMPLETED AND PRIOR TO PREFABRICATED VERTICAL DRAIN INSTALLATION AND EMBANKMENT FILL PLACEMENT.
5. VIBRATING WIRE PIEZOMETERS, INCLINOMETERS AND PROTECTIVE BARRIERS SHALL BE FURNISHED, FABRICATED, INSTALLED, MAINTAINED AND PROTECTED BY THE CONTRACTOR AT ALL TIMES. INSTALLATION OF INSTRUMENTATION WILL BE MONITORED BY THE GEOTECHNICAL ENGINEER. THE CONTRACTOR SHALL NOT INSTALL VIBRATING WIRE PIEZOMETERS AND INCLINOMETERS UNLESS THE GEOTECHNICAL ENGINEER IS PRESENT. VIBRATING WIRE PIEZOMETERS AND INCLINOMETERS SHALL BE INSTALLED AFTER PREFABRICATED VERTICAL DRAIN INSTALLATION AND PRIOR TO EMBANKMENT FILL PLACEMENT.
6. THE VIBRATING WIRE PIEZOMETERS, SETTLEMENT PLATFORMS, AND INCLINOMETERS WILL BE READ PERIODICALLY DURING AND AFTER FILL PLACEMENT BY THE RESIDENT OR GEOTECHNICAL ENGINEER.
7. PROVIDE SUFFICIENT LENGTH OF INSTRUMENTATION CABLE SO THAT VIBRATING WIRE PIEZOMETERS CAN BE WIRED TO THE PROPER GEOTECHINCAL INSTRUMENTATION CABINET AS SHOWN ON THE PLANS AND IN THE INSTRUMENTATION SCHEDULE.
8. EXTEND AND MAINTAIN INCLINOMETER CASING AND SETTLEMENT PLATFORM RISER PIPES DURING FILL PLACEMENT, ABOVE THE EXISTING GROUND AND TOP OF EMBANKMENT, AS SHOWN ON THE DETAILS AND AS SPECIFIED IN SPECIAL PROVISION SECTION 639 - ENGINEERING FACILITIES (GEOTECHNICAL INSTRUMENTATION).
9. ALL INSTRUMENTATION SHALL BE PROTECTED THROUGHOUT CONSTRUCTION AS SHOWN IN THE TYPICAL INSTRUMENT PROTECTION DETAIL ON THIS SHEET. INSTRUMENTS THAT ARE DAMAGED BY OR BECOME INOPERABLE AS A RESULT OF THE CONTRACTOR'S WORK, AS DETERMINED BY THE RESIDENT OR GEOTECHNICAL ENGINEER, SHALL BE REPLACED TO THE SATISFACTION OF THE RESIDENT AND GEOTECHNICAL ENGINEER AT NO ADDITIONAL COST TO THE DEPARTMENT.
10. PLACEMENT OF EMBANKMENT FILL SHALL NOT BEGIN UNTIL AFTER PREFABRICATED VERTICAL DRAIN INSTALLATION HAS BEEN COMPLETED AND ALL INSTRUMENTATION HAS BEEN INSTALLED AND INITIALIZED TO THE SATISFACTION OF THE RESIDENT AND GEOTECHNICAL ENGINEER.
11. AT ALL TIMES DURING CONSTRUCTION THE CONTRACTOR SHALL PROVIDE THE RESIDENT AND GEOTECHNICAL ENGINEER ACCESS TO READ THE INSTRUMENTATION (I.E., SURVEY SETTLEMENT PLATFORMS AND COLLECT DATA FROM VIBRATING WIRE PIEZOMETERS AND INCLINOMETERS).
12. EVALUATION OF THE INSTRUMENTATION DATA AND IN-SITU UNDRAINED SHEAR STRENGTH DATA WITHIN THE MARINE CLAY DEPOSIT DURING FILLING AND/OR DURING THE STAGE 1 PRELOAD/SURCHARGE PERIOD MAY INDICATE INSUFFICIENT STRENGTH GAIN OR SIGNS OF EMBANKMENT INSTABILITY. THE RESIDENT MAY STOP CONSTRUCTION AND PLACEMENT OF ADDITIONAL EMBANKMENT FILL. THE RESIDENT MAY AT SUCH TIME REQUEST CORRECTIVE ACTIONS BE TAKEN BY THE CONTRACTOR.



SETTLEMENT PLATFORM PROTECTION DETAIL

NOT TO SCALE



INCLINOMETER PROTECTION DETAIL

NOT TO SCALE

GEOTECHNICAL INSTRUMENTATION THRESHOLD VALUES

DEFORMATION THRESHOLD VALUES		
Deformation Ratio (DR)	**Horizontal Displacement (ΔH_h)**	**Action**
> 0.12	0.25 inch/week or 0.05 inch/day	Slow rate of fill placement
> 0.16	0.50 inch/week or 0.10 inch/day	Stop fill placement and evaluate
> 0.20	N/A	Remove fill

NOTES
ΔH_h = MAXIMUM VALUE OF HORIZONTAL MOVEMENT (MEASURED FROM INCLINOMETER)

ΔH_V = MAXIMUM VALUE OF VERTICAL MOVEMENT (MEASURED FROM SETTLEMENT PLATFORM)

$DR = \Delta H_h / \Delta H_v$

PORE PRESSURE DISSIPATION THRESHOLD VALUES	
Pore Pressure (ft of water)	**Action**
Baseline	None
> 70% Δu + u	Slow rate of fill placement
> 90% Δu + u	Stop fill placement and evaluate
> 95% Δu + u	Remove fill

NOTES
Δu = MEASURED FILL HEIGHT CONVERTED TO PIEZOMETRIC HEAD (I.E., 1 FT OF SOIL AT 125 PCF = 2 FT PIEZOMETRIC HEAD)

u = BASELINE PORE PRESSURE (FT OF WATER)

Δu IS BASED ON AMOUNT OF FILL PRESENT AT TIME OF PORE PRESSURE READING.

HALEY ALDRICH

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00

HIGHWAY PLANS

STATE OF MAINE — WAYNE A. CHADBOURNE — No. 10620 — LICENSED PROFESSIONAL ENGINEER

BY	DATE
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K. POST	7-15-21
W. CHADBOURNE	9-17-21
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-----	-----
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10620 — P.E. NUMBER
9-17-21 — DATE

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

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

GEOTECHNICAL INSTRUMENTATION
GEBERAL NOTES, THRESHOLD VALUES,
AND TYPICAL DETAILS

SHEET NUMBER
SE51
OF 52

Filename: ...\GI_Instrument Notes & Details.dgn Division: Username: Date:9/16/2021

Date:9/16/2021
Username:
Division:
Filename: ...\GI_Instrument Tables.dgn

Vibrating Wire Piezometer (VWPZ) Schedule

Area[1]	VWPZ No.[1]	Approximate Existing Ground Surface Elevation[2] (ft, NAVD 88)	Baseline	Approximate Station[1]	Approximate Offset Distance and Direction[1] (ft)	Anticipated Bottom of VWPZ Elevation[3] (ft, NAVD 88)	Corresponding GIC
AREA 1	VWPZ-1-1(A/B)	81.5	Mainline	53+50	8 RT	70	GIC-1-1
						50	
	VWPZ-1-2(A/B)	81.0	Mainline	54+50	14 RT	70	
						50	
	VWPZ-1-3(A/B)	79.5	Mainline	55+50	20 RT	70	GIC-1-7
						50	
	VWPZ-1-4	82.0	Mainline	59+50	5 LT	70	
	VWPZ-1-5	84.0	Mainline	62+50	0	75	GIC-1-8
	VWPZ-1-6	81.5	Mainline	65+50	6 RT	70	GIC-1-2
	VWPZ-1-7	82.5	Mainline	68+00	7 RT	70	GIC-1-3
	VWPZ-1-8	88.5	Mainline	70+50	0	80	
	VWPZ-1-9	95.5	Mainline	73+50	0	90	GIC-1-4
	VWPZ-1-10	88.0	Mainline	76+50	0	75	
	VWPZ-1-11	86.5	Mainline	77+50	0	75	GIC-1-5
	VWPZ-1-12	86.5	Mainline	80+00	0	70	
	VWPZ-1-13(A/B)	75.0	Ramp D	904+50	5 LT	65	GIC-1-6
						50	
	VWPZ-1-14(A/B)	81.0	Ramp D	905+50	4 LT	70	
						55	
	VWPZ-1-15(A/B)	81.0	Ramp D	906+50	3 LT	70	
						55	
	VWPZ-1-16(A/B)	84.0	Ramp D	907+50	0	75	
						60	
	VWPZ-1-17	83.0	Ramp E	706+50	0	75	GIC-1-7
	VWPZ-1-18	85.5	Ramp F	811+00	4 LT	75	GIC-1-8
	VWPZ-1-19	90.0	Ramp E	709+00	14 LT	80	GIC-1-7
	VWPZ-1-20(A/B)	88.5	Ramp E	712+00	12 LT	85	GIC-1-9
						75	
	VWPZ-1-21(A/B)	85.5	Ramp E	713+00	14 LT	80	
						70	
	VWPZ-1-22(A/B)	85.0	Ramp E	714+00	18 LT	80	
						70	
	VWPZ-1-23	85.0	Ramp E	715+00	3 LT	75	GIC-1-10
	VWPZ-1-24	86.5	Ramp F	802+00	3 LT	75	
	VWPZ-1-25	85.0	Ramp E	716+00	4 LT	75	
AREA 2	VWPZ-2-1	78.5	Mainline	139+25	0	75	GIC-2-1
	VWPZ-2-2	75.0	Mainline	140+25	0	65	
	VWPZ-2-3	76.5	Mainline	141+50	0	65	GIC-2-2
	VWPZ-2-4	77.5	Mainline	142+50	0	65	
AREA 4	VWPZ-4-1(A/B)	93.5	Mainline	180+50	0	85	GIC-4-1
						75	
	VWPZ-4-2	93.5	Mainline	181+50	0	80	
	VWPZ-4-3	95.0	Mainline	182+50	0	85	GIC-4-2
	VWPZ-4-4	96.5	Mainline	184+50	0	90	

NOTES:

1. REFER TO SHEET NUMBERS SE39-SE46 (AREA 1), SE47-SE48 (AREA 2), AND SE49-SE50 (AREA 4) FOR VWPZ LOCATIONS.

2. ELEVATIONS SHOWN WERE DETERMINED BY INTERPOLATING BETWEEN GROUND SURFACE ELEVATION CONTOURS SHOWN ON THE PLANS; ACTUAL GROUND SURFACE ELEVATIONS WILL VARY.

3. ELEVATIONS SHOWN WERE DETERMINED BASED ON AN EVALUATION OF SUBSURFACE CONDITIONS PRESENT AT OR IN THE VICINITY OF THE VWPZ LOCATIONS SHOWN ON THE PLANS. THE ACTUAL ELEVATIONS WILL VARY AND WILL BE DETERMINED BY THE GEOTECHNICAL ENGINEER DURING INSTALLATION BASED ON THE ACTUAL SUBSURFACE CONDITIONS ENCOUNTERED AT EACH VWPZ LOCATION.

Inclinometer (INCL) Schedule

Area[1]	INCL No.[1]	Baseline	Approximate Station[1]	Approximate Offset Distance and Direction[1] (ft)	Approximate Existing Ground Surface Elevation[2] (ft, NAVD 88)	Anticipated Statum at Bottom of Inclinometer[3]	Estimated INCL Length[3,4] (ft)
AREA 1	INCL-1-1	Mainline	53+50	97 RT	81.5	Bedrock	50
	INCL-1-2	Mainline	54+50	93 RT	81.0	Bedrock	50
	INCL-1-3	Mainline	55+50	89 RT	79.5	Bedrock	50
	INCL-1-4	Ramp D	902+80	54 RT	76.0	Bedrock	40
	INCL-1-5	Mainline	58+00	86 LT	81.5	Bedrock	40
	INCL-1-6	Mainline	59+50	80 LT	82.0	Bedrock	30
	INCL-1-7	Mainline	59+50	66 RT	82.0	Bedrock	30
	INCL-1-8	Mainline	62+50	89 LT	84.0	Bedrock	35
	INCL-1-9	Mainline	65+50	69 LT	81.5	Bedrock	40
	INCL-1-10	Mainline	65+50	79 RT	81.5	Bedrock	40
	INCL-1-11	Mainline	68+00	72LT	82.5	Till	35
	INCL-1-12	Mainline	68+00	82 RT	82.5	Till	35
	INCL-1-13	Mainline	70+50	69 LT	88.5	Till	35
	INCL-1-14	Mainline	70+50	68 RT	88.5	Till	35
	INCL-1-15	Mainline	72+00	60 LT	93.0	Till	35
	INCL-1-16	Mainline	72+00	57 RT	93.0	Till	35
	INCL-1-17	Mainline	73+50	55 LT	95.5	Till	30
	INCL-1-18	Mainline	73+50	56 RT	95.5	Till	30
	INCL-1-19	Mainline	76+50	65 LT	88.0	Till	40
	INCL-1-20	Mainline	76+50	69 RT	88.0	Till	40
	INCL-1-21	Mainline	77+50	70 LT	86.5	Till	40
	INCL 1-22	Mainline	77+50	72 RT	86.5	Till	40
	INCL-1-23	Mainline	81+00	80 LT	86.5	Bedrock	40
	INCL-1-24	Mainline	80+00	72 RT	86.5	Bedrock	40
	INCL-1-25	Ramp D	903+50	45 RT	75.5	Bedrock	45
	INCL-1-26	Ramp D	904+50	50 RT	75.0	Bedrock	45
	INCL-1-27	Ramp D	905+50	58 RT	81.0	Bedrock	40
	INCL-1-28	Ramp D	906+50	72 RT	81.0	Till	50
	INCL-1-29	Ramp D	906+50	83 LT	81.0	Till	50
	INCL-1-30	Ramp D	907+50	85 RT	84.0	Bedrock	35
	INCL-1-31	Ramp D	908+50	117 RT	115.5	Bedrock	70
	INCL-1-32	Ramp E	704+00	57 RT	80.5	Bedrock	45
	INCL-1-33	Ramp E	705+00	44 RT	82.0	Bedrock	40
	INCL-1-34	Ramp E	706+50	60 LT	83.0	Bedrock	30
	INCL-1-35	Ramp E	706+50	40 RT	83.0	Bedrock	30
	INCL-1-36	Ramp F	813+00	60 RT	84.5	Bedrock	35
	INCL-1-37	Ramp F	811+00	56 LT	85.5	Till	35
	INCL-1-38	Ramp F	811+00	37 RT	85.5	Till	35
	INCL-1-39	Ramp E	709+00	45 RT	89.5	Till	35
	INCL-1-40	Ramp E	709+00	71 LT	89.5	Till	35
	INCL-1-41	Ramp E	712+00	60 RT	88.5	Bedrock	30
	INCL-1-42	Ramp E	712+00	94 LT	88.5	Bedrock	30
	INCL-1-43	Ramp E	713+00	70 RT	85.5	Bedrock	30
	INCL-1-44	Ramp E	713+00	98 LT	85.5	Bedrock	30
	INCL-1-45	Ramp E	714+00	78 RT	85.0	Bedrock	35
	INCL-1-46	Ramp E	714+00	120 LT	85.0	Bedrock	35
	INCL-1-47	Ramp E	715+00	83 RT	85.0	Bedrock	35
	INCL-1-48	Ramp F	802+00	108 RT	86.5	Till	35
	INCL-1-49	Ramp E	716+00	90 RT	85.0	Bedrock	35
	INCL-1-50	Ramp E	717+00	81 RT	85.0	Bedrock	35
AREA 2	INCL-2-1	Mainline	139+25	65 LT	78.5	Till	25
	INCL-2-2	Mainline	139+25	73 RT	78.5	Till	25
	INCL-2-3	Mainline	140+25	86 LT	75.0	Till	40
	INCL-2-4	Mainline	140+25	73 RT	75.0	Till	40
	INCL-2-5	Mainline	140+70	0	72.0	Till	35
	INCL-2-6	Mainline	141+25	0	76.0	Till	40
	INCL-2-7	Mainline	141+50	75 LT	76.5	Till	40
	INCL-2-8	Mainline	141+50	55 RT	76.5	Till	40
	INCL-2-9	Mainline	142+50	67 LT	77.5	Till	35
	INCL-2-10	Mainline	142+50	56 RT	77.5	Till	35
AREA 4	INCL-4-1	Mainline	180+50	83 LT	93.5	Till	45
	INCL-4-2	Mainline	180+50	87 RT	93.5	Till	45
	INCL-4-3	Mainline	181+50	76 LT	93.5	Till	40
	INCL-4-4	Mainline	181+50	81 RT	93.5	Till	40
	INCL-4-5	Mainline	182+50	69 LT	95.0	Till	30
	INCL-4-6	Mainline	182+50	73 RT	95.0	Till	30
	INCL-4-7	Mainline	184+50	71 LT	96.5	Till	35
	INCL-4-8	Mainline	184+50	84 RT	96.5	Till	35

NOTES:

1. REFER TO SHEET NUMBERS SE39-SE46 (AREA 1), SE47-SE48 (AREA 2), AND SE49-SE50 (AREA 4) FOR INCL LOCATIONS.

2. ELEVATIONS SHOWN WERE DETERMINED BY INTERPOLATING BETWEEN GROUND SURFACE ELEVATION CONTOURS SHOWN ON THE PLANS; ACTUAL GROUND SURFACE ELEVATIONS WILL VARY.

3. ELEVATIONS SHOWN WERE DETERMINED BASED ON AN EVALUATION OF SUBSURFACE CONDITIONS PRESENT AT OR IN THE VICINITY OF THE INCL LOCATIONS SHOWN ON THE PLANS. THE ACTUAL ELEVATIONS WILL VARY AND WILL BE DETERMINED BY THE GEOTECHNICAL ENGINEER DURING INSTALLATION BASED ON THE ACTUAL SUBSURFACE CONDITIONS ENCOUNTERED AT EACH INCL LOCATION.

4. INCLINOMETER LENGTHS SHALL INCLUDE AN ADDITIONAL 2.5 FT MIN. STICKUP OF CASING ABOVE GROUND SURFACE AS SHOWN ON THE DETAILS (REFER TO SE51).

Settlement Platform (SP) Schedule

Area[1]	SP No.[1]	Baseline	Approximate Station[1]	Approximate Offset Distance and Direction[1] (ft)
AREA 1	SP-1-1	Mainline	51+50	0
	SP-1-2	Mainline	52+50	8 RT
	SP-1-3	Mainline	53+50	7.5 RT
	SP-1-4	Mainline	54+50	14 RT
	SP-1-5	Mainline	55+50	20 RT
	SP-1-6	Mainline	56+50	19 LT
	SP-1-7	Mainline	58+00	13 LT
	SP-1-8	Mainline	59+50	6 LT
	SP-1-9	Mainline	61+00	0
	SP-1-10	Mainline	62+50	0
	SP-1-11	Mainline	65+50	6 RT
	SP-1-12	Mainline	68+00	7 RT
	SP-1-13	Mainline	69+00	3 RT
	SP-1-14	Mainline	70+50	0
	SP-1-15	Mainline	72+00	0
	SP-1-16	Mainline	73+50	0
	SP-1-17	Mainline	75+00	0
	SP-1-18	Mainline	76+50	0
	SP-1-19	Mainline	77+50	0
	SP-1-20	Mainline	78+50	0
	SP-1-21	Mainline	80+00	0
	SP-1-22	Mainline	81+50	0
	SP-1-23	Ramp D	903+50	7 LT
	SP-1-24	Ramp D	904+50	5 LT
	SP-1-25	Ramp D	905+50	4 LT
	SP-1-26	Ramp D	906+50	3 LT
	SP-1-27	Ramp D	907+50	0
	SP-1-28	Ramp D	908+50	0
	SP-1-29	Ramp D	909+00	0
	SP-1-30	Ramp E	704+00	0
	SP-1-31	Ramp E	705+00	0
	SP-1-32	Ramp E	706+50	0
	SP-1-33	Ramp E	707+50	5 LT
	SP-1-34	Ramp F	812+25	4 LT
	SP-1-35	Ramp F	811+00	4 LT
	SP-1-36	Ramp F	809+50	3 LT
	SP-1-37	Ramp E	709+00	14 LT
	SP-1-38	Ramp E	710+50	14 LT
	SP-1-39	Ramp E	712+00	12 LT
	SP-1-40	Ramp E	713+00	14 LT
	SP-1-41	Ramp E	714+00	18 LT
	SP-1-42	Ramp E	715+00	3 LT
	SP-1-43	Ramp F	802+00	3 LT
	SP-1-44	Ramp E	716+00	4 LT
	SP-1-45	Ramp E	716+99	3 LT
	SP-1-46	Ramp F	801+13	13 LT
AREA 2	SP-2-1	Mainline	138+25	0
	SP-2-2	Mainline	139+25	0
	SP-2-3	Mainline	139+75	0
	SP-2-4	Mainline	140+25	0
	SP-2-5	Mainline	141+50	0
	SP-2-6	Mainline	142+00	0
	SP-2-7	Mainline	142+50	0
	SP-2-8	Mainline	143+00	0
	SP-2-9	Mainline	143+50	0
AREA 4	SP-4-1	Mainline	179+50	0
	SP-4-2	Mainline	180+50	0
	SP-4-3	Mainline	181+50	0
	SP-4-4	Mainline	182+50	0
	SP-4-5	Mainline	183+50	0
	SP-4-6	Mainline	184+50	0
	SP-4-7	Mainline	185+50	0

NOTES:

1. REFER TO SHEET NUMBERS SE39-SE46 (AREA 1), SE47-SE48 (AREA 2), AND SE49-SE50 (AREA 4) FOR SP LOCATIONS.

Geotechnical Instrumentation Cabinet (GIC) Schedule

Area[1]	GIC No.[1,2]	Baseline	Approximate Station[1]	Approximate Offset Distance and Direction[1] (ft)
AREA 1	GIC-1-1	Ramp E	701+46	73 RT
	GIC-1-2	Mainline	65+67	70 LT
	GIC-1-3	Mainline	70+00	69 RT
	GIC-1-4	Mainline	75+06	56 RT
	GIC-1-5	Mainline	78+75	84 RT
	GIC-1-6	Ramp D	906+38	94 LT
	GIC-1-7	Ramp E	704+83	50 RT
	GIC-1-8	Ramp F	812+60	58 RT
	GIC-1-9	Ramp E	713+56	77 RT
	GIC-1-10	Ramp E	715+57	87 RT
AREA 2	GIC-2-1	Mainline	139+75	80 RT
	GIC-2-2	Mainline	142+00	65 RT
AREA 4	GIC-4-1	Mainline	181+00	95 RT
	GIC-4-2	Mainline	183+50	92 RT

NOTES:

1. REFER TO SHEET NUMBERS SE39-SE46 (AREA 1), SE47-SE48 (AREA 2), AND SE49-SE50 (AREA 4) FOR GIC LOCATIONS.

2. REFER TO VWPZ SCHEDULE ON THIS SHEET FOR THE DESIGNATION AND NUMBER OF VWPZS ASSIGNED TO EACH GIC.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00

HIGHWAY PLANS

STATE OF MAINE · ENGINEER · WAYNE A. CHADBOURNE · No. 10620 · PROFESSIONAL · LICENSED

PROJ. MANAGER			
DESIGN-DETAILED	E. FORCE	K. POST	7-15-21
CHECKED-REVIEWED	E. FORCE	W. CHADBOURNE	9-17-21
DESIGN2-DETAILED2	-----	-----	-----
DESIGN3-DETAILED3	-----	-----	-----
REVISIONS 1	-----	-----	-----
REVISIONS 2	-----	-----	-----
REVISIONS 3	-----	-----	-----
REVISIONS 4	-----	-----	-----
FIELD CHANGES	-----	-----	-----

10620 P.E. NUMBER
9-17-21 DATE
SIGNATURE

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

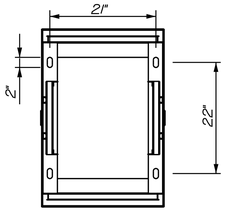
GEOTECHNICAL INSTRUMENTATION SCHEDULES

SHEET NUMBER

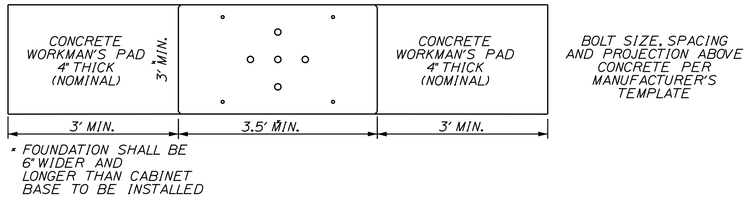
SE52

OF 52

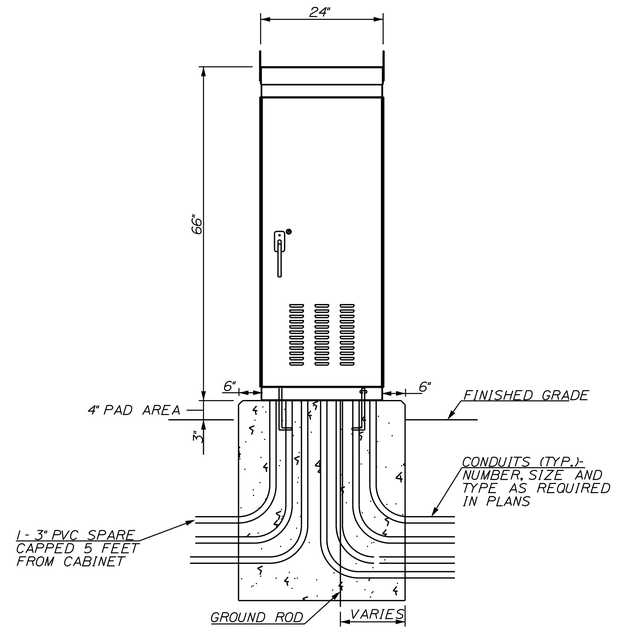
HALEY ALDRICH



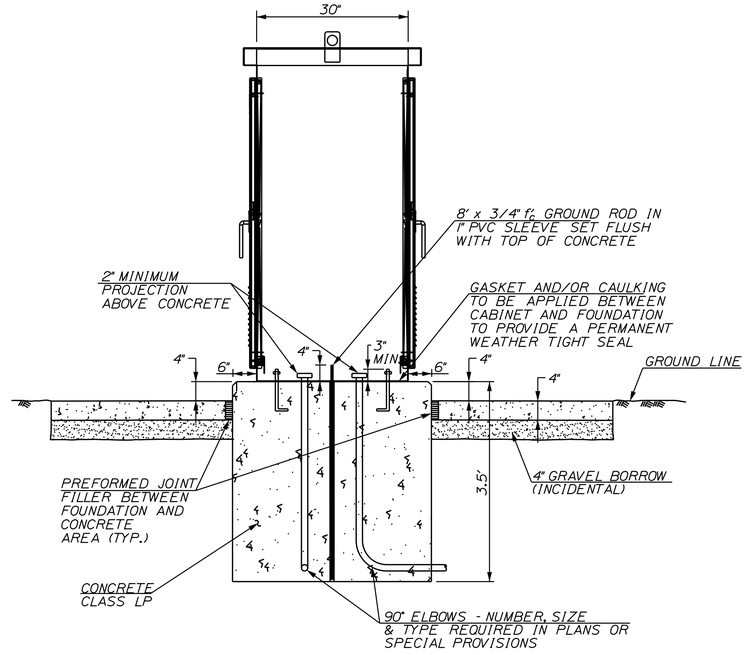
BOTTOM VIEW
(NO COMPONENTS)



GROUND MOUNTED ITS EQUIPMENT CABINET
FOUNDATION PLAN



FRONT & REAR VIEWS



SECTION

GROUND MOUNTED ITS EQUIPMENT CABINET DETAIL

NOT TO SCALE

NOTES:

1. ALL EXPOSED EDGES OF THE FOUNDATION SHALL BE CHAMFERED 3/4".
2. WORKMAN'S PADS (AND CABINET DOORS) SHOULD BE ORIENTED AS SHOWN ON THE PLANS.
3. CONTRACTOR SHALL INSTALL A SPARE 3" PVC CONDUIT CAPPED 5 FEET FROM CABINET AT ALL GROUND MOUNTED LOCATIONS.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1891(500)

WIN
018915.00

ITS PLANS

STATE OF MAINE · MARK SUENNEN No. 11481 · LICENSED PROFESSIONAL ENGINEER

P.E. NUMBER 11481 — 8/31/2021
SIGNATURE — DATE

PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	DJS	JAR	8/31/2021
CHECKED-REVIEWED	DJS	MDS	8/31/2021
DESIGN2-DETAILED2	DJS		
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

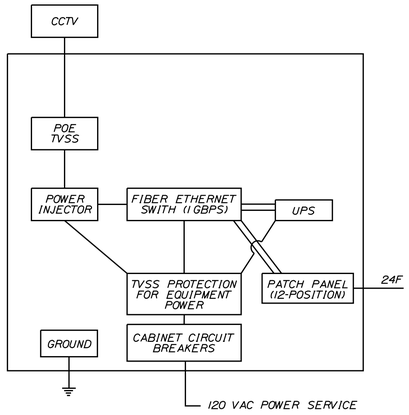
BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

ITS DETAILS (1 OF 10)

SHEET NUMBER
IT1
OF 18

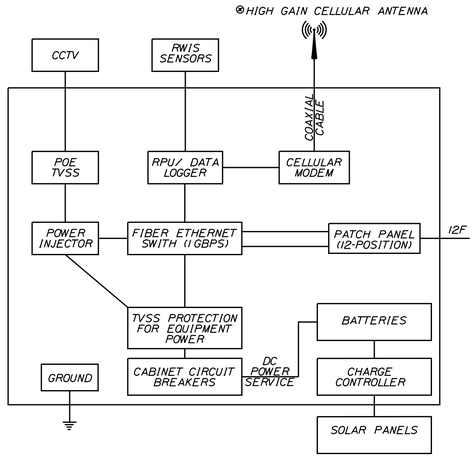
vhb

Filename: ...\IT01_ITS-Detail01-Cabinet.dgn Division: HIGHWAY Username: jorobert Date:8/31/2021



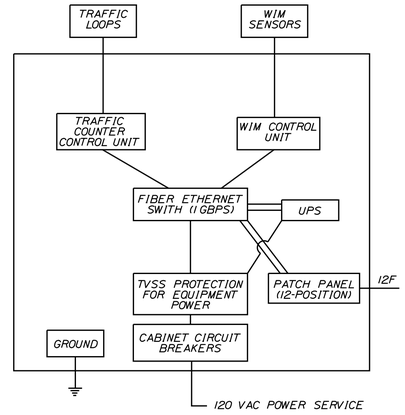
FIBER HUB CABINET @ 3017+35

NOT TO SCALE



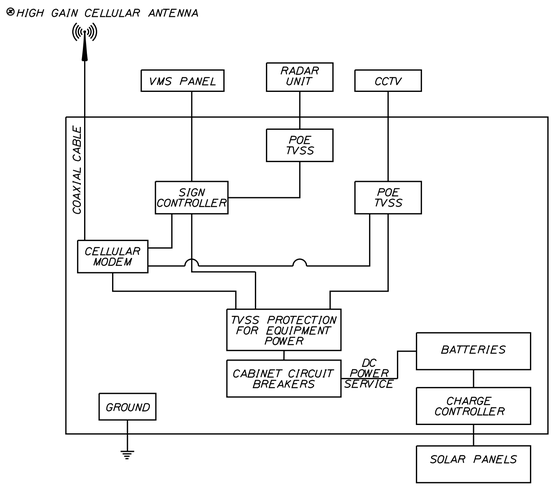
RWIS ROUTE 9 CONNECTOR

NOT TO SCALE



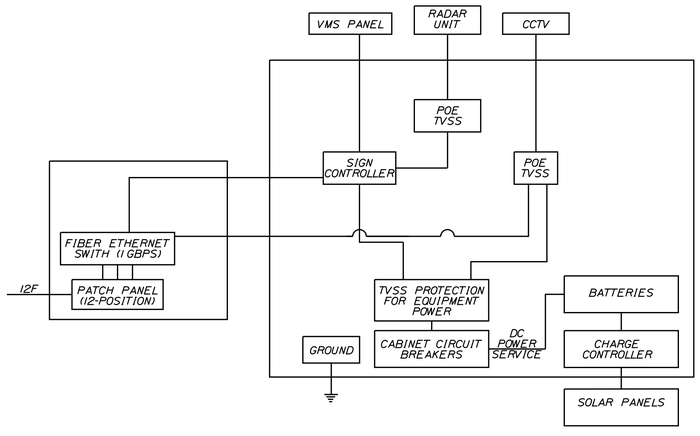
WIM ROUTE 9 CONNECTOR

NOT TO SCALE



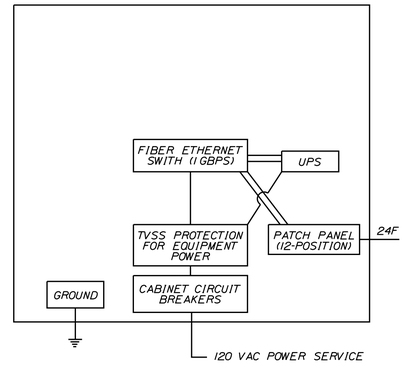
CELLULAR PVMS

NOT TO SCALE



FIBER PVMS

NOT TO SCALE



FIBER HUB CABINET @ 324+40

NOT TO SCALE

ITS CABINET BLOCK DIAGRAMS

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1891(500)

WIN
018915.00

ITS PLANS

MARK SUENNEN No. 11481 LICENSED PROFESSIONAL ENGINEER STATE OF MAINE

P.E. NUMBER # 11481

SIGNATURE

DATE 8/31/2021

PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	DJS	JAR	8/31/2021
CHECKED-REVIEWED	DJS	MDS	8/31/2021
DESIGN2-DETAILED2	DJS		
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

ITS DETAILS (2 OF 10)

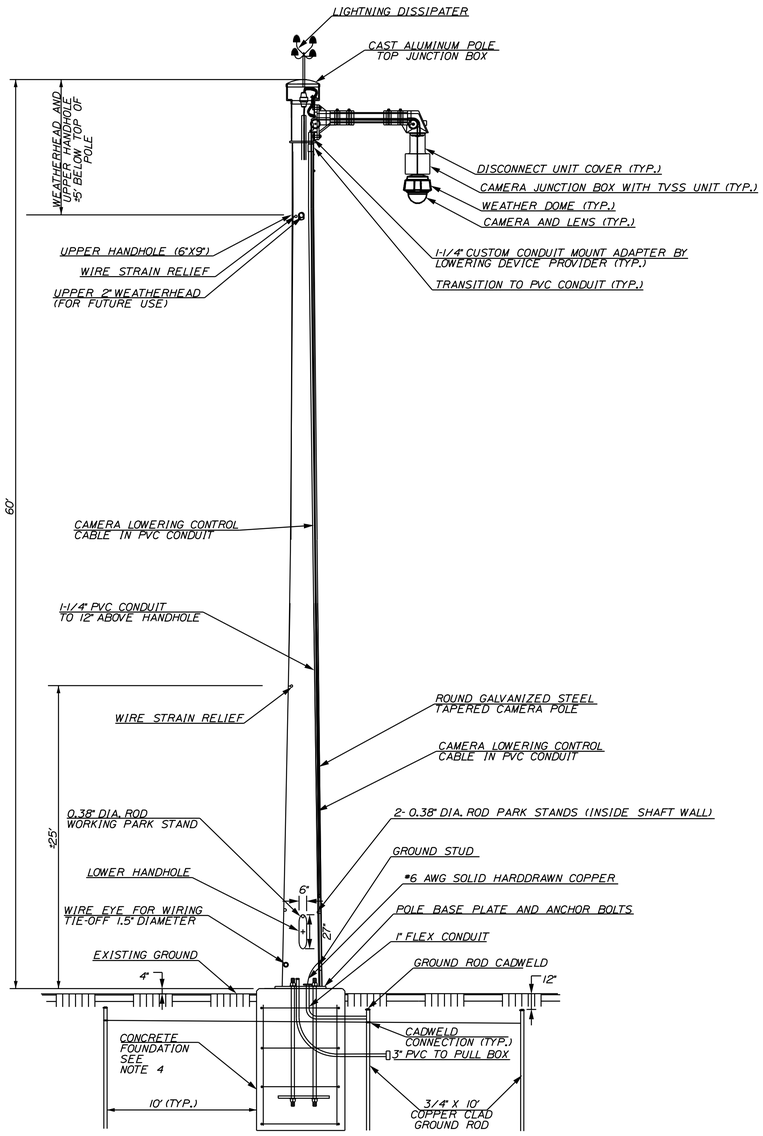
SHEET NUMBER

IT2

OF 18

vhb

Filename: ...\IT02_ITS-Detail02-Block.dgn Division: HIGHWAY Username: jorobert Date:8/31/2021

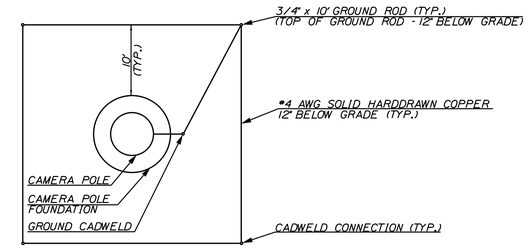


CLOSED CIRCUIT TELEVISION (CCTV) SYSTEM
CLOSED CIRCUIT TELEVISION (CCTV) SYSTEM FOUNDATION

NOT TO SCALE

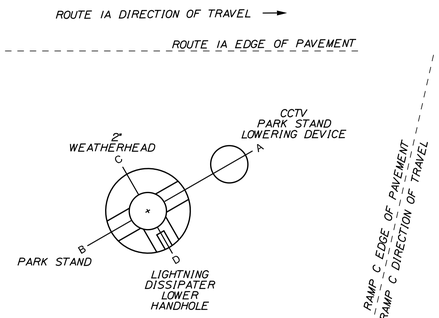
NOTES:

1. SEE GROUND ROD ARRAY DETAIL (THIS SHEET).
2. CAMERA WIRING INSIDE POLE NOT SHOWN.
3. ALL WEATHERHEADS, HANDHOLES, CONDUIT ACCESS POINTS SHALL BE FACTORY INSTALLED. NO FIELD DRILLING OF POLE IS ALLOWED.
4. SEE CAMERA MONOPOLE FOUNDATION FOR ADDITIONAL INFORMATION FOR THE FOUNDATION.



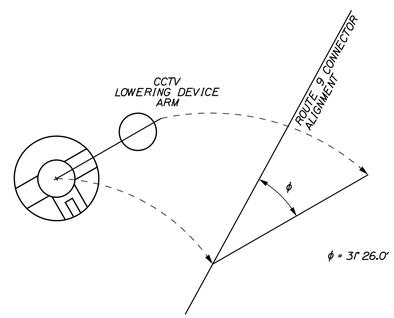
GROUND ROD ARRAY DETAIL

NOT TO SCALE



EQUIPMENT AXIS
TOP VIEW

NOT TO SCALE



CAMERA LOWERING DEVICE ARM ORIENTATION

NOT TO SCALE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1891(500)

WIN
018915.00

ITS PLANS

MARK SUENNEN No. 11481 LICENSED PROFESSIONAL ENGINEER STATE OF MAINE

	SIGNATURE	P.E. NUMBER	DATE
	# 11481	8/31/2021	

	PROJ. MANAGER	R. MOULTON	BY
	DESIGN-DETAILED	DJS	JAR
	CHECKED-REVIEWED	DJS	MDS
	DESIGN2-DETAILED2		
	DESIGN3-DETAILED3		
	REVISIONS 1		
	REVISIONS 2		
	REVISIONS 3		
	REVISIONS 4		
	FIELD CHANGES		

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

ITS DETAILS (3 OF 10)

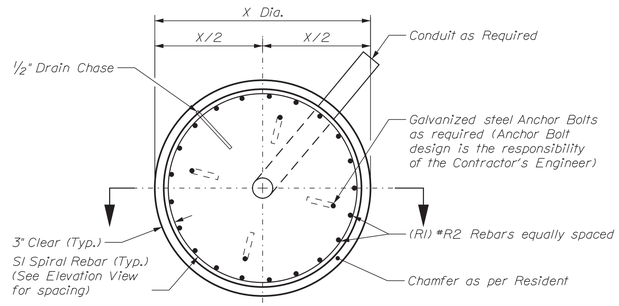
SHEET NUMBER

IT3

OF 18

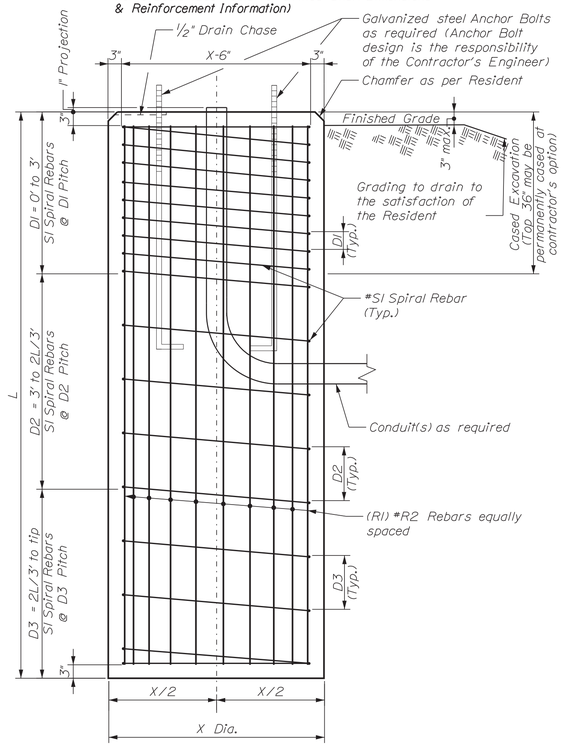
vhb

Filename: ...\IT03_ITS-Detail03-CCTV.dgn Username: jarobert Division: HIGHWAY Date:8/31/2021



Drilled Shaft Plan View

Not to Scale (See Table for Drilled Shaft Dimensions & Reinforcement Information)

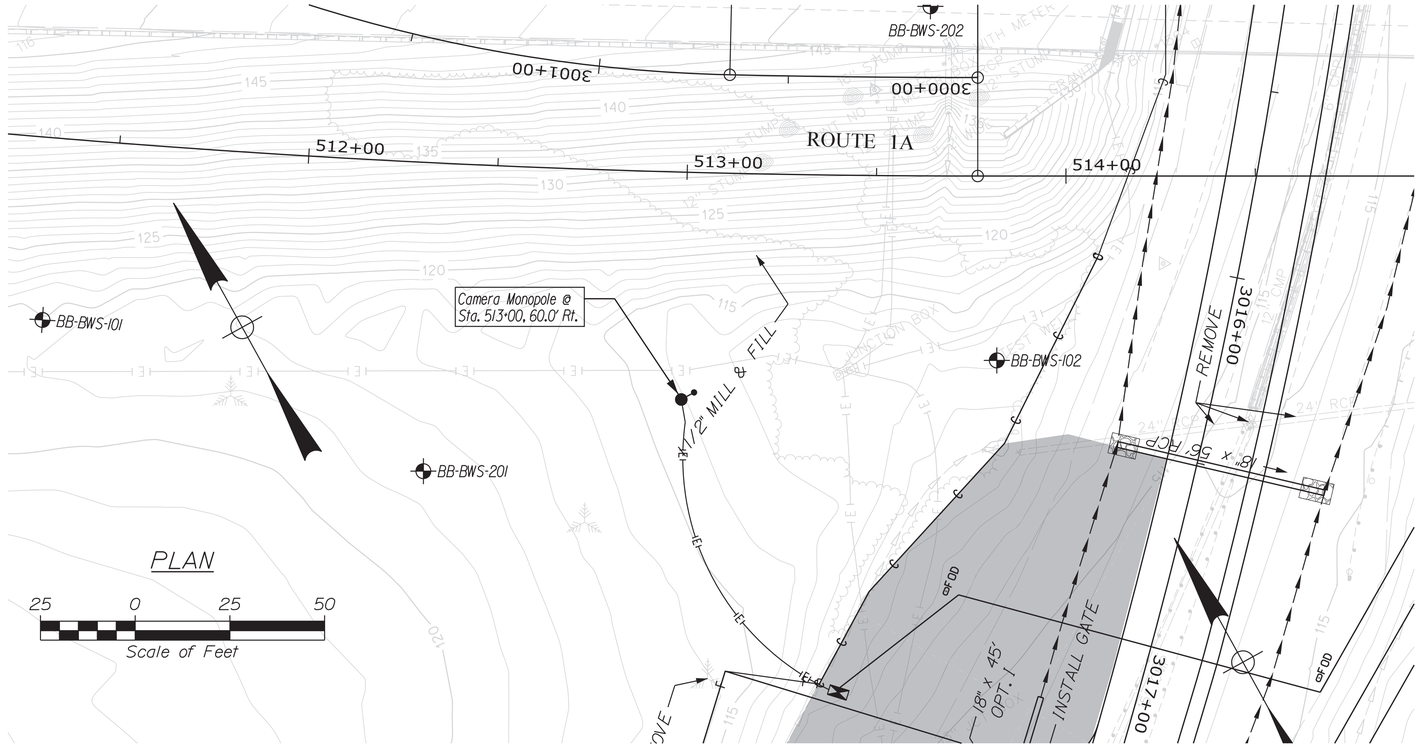


Drilled Shaft Elevation View

Not to Scale (See Table for Drilled Shaft Dimensions & Reinforcement Information)

CAMERA MONOPOLE

See Table below or Location Plan for Station & Offset of Camera Monopole.



PLAN

25 0 25 50

Scale of Feet

NOTES:

1. *All reinforcing steel shall be grade 60 and conform to MaineDOT Standard Specification requirements along with any project specific Supplementals or Special Provisions.*
2. *All rebar shall have 3" cover unless otherwise noted.*
3. *Should there be a discrepancy between these Details and actual observed field conditions report it to the Resident immediately.*
4. *Do not proceed with dependent work until any such discrepancy is resolved to the satisfaction of the Resident.*
5. *Concrete to be Class LP with f'c = 5,000 PSI.*
6. *All borings shown on Location Plan were not used in Camera Monopole Foundation Design.*

DRILLED SHAFT FOUNDATION

Structure	Location	X Diameter (feet)	L Length (feet)	R1 Longitudinal Rebars Quantity	R2 Longitudinal Rebars Size	S1 Spiral Rebars Size	Spiral Bar Spacing D1 (in) 0 to 3 ft	Spiral Bar Spacing D2 (in) 3 ft to 2L/3 ft	Spiral Bar Spacing D3 (in) 2L/3 ft to tip
Camera Monopole	Sta 513+00, 60 ft Right	4.0	8.5	21	#9	#5	4	4	12

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN 018915.00

HIGHWAY PLANS

STATE OF MAINE ★ Kathleen Maguire ★ 7120 ★ LICENSED PROFESSIONAL ENGINEER

	SIGNATURE
	7120
	P.E. NUMBER
	9/2/2021
	DATE

	BY	DATE
PROJ. MANAGER	R.MOULTON	
DESIGN-DETAILED	K.MAGUIRE	AUG 2021
CHECKED-REVIEWED	T. WHITE	-----
DESIGN2-DETAILED2	-----	-----
DESIGN3-DETAILED3	-----	-----
REVISIONS 1	-----	-----
REVISIONS 2	-----	-----
REVISIONS 3	-----	-----
REVISIONS 4	-----	-----
FIELD CHANGES	-----	-----

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

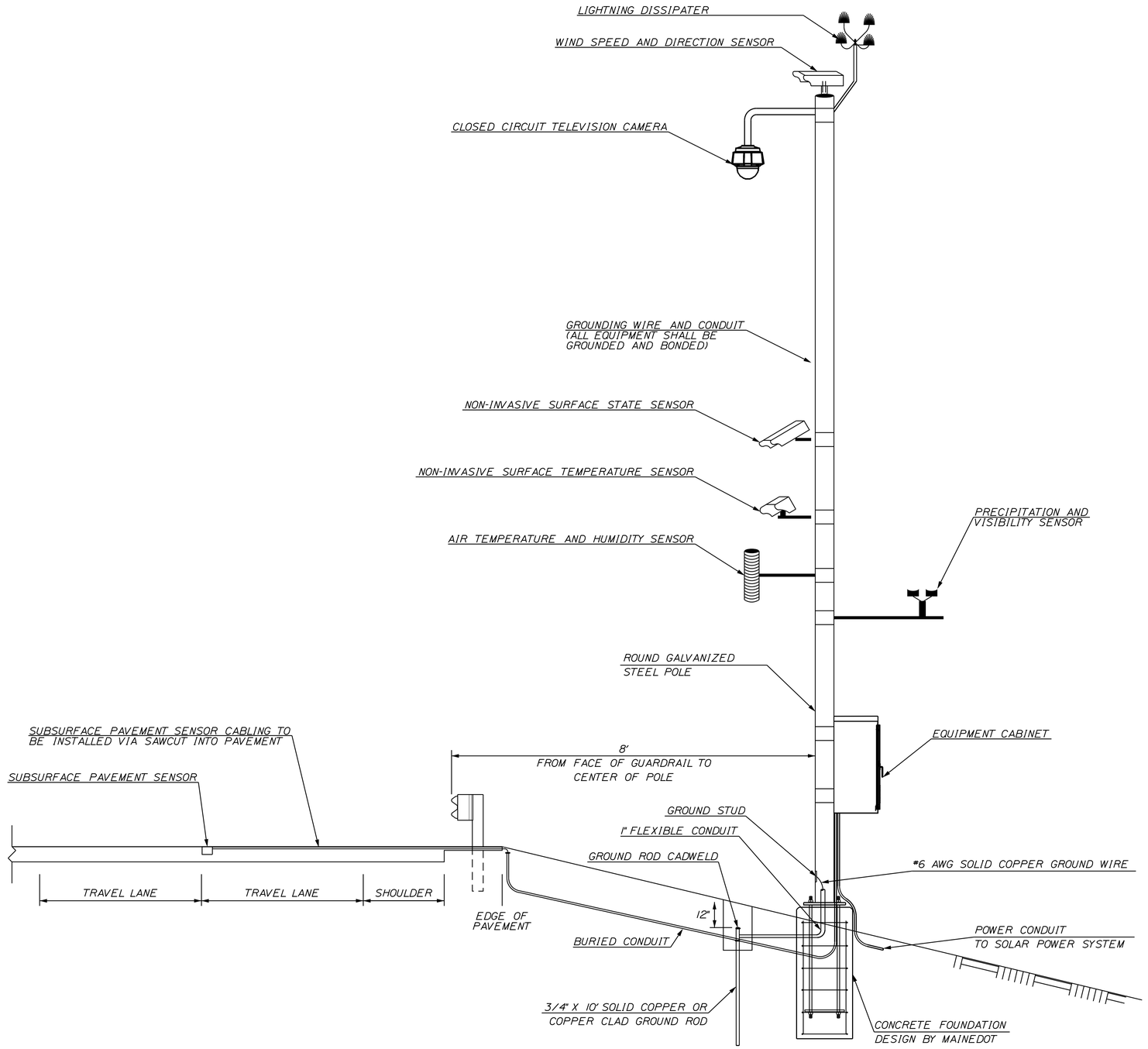
ITS DETAILS (4 OF 10)

SHEET NUMBER

IT4

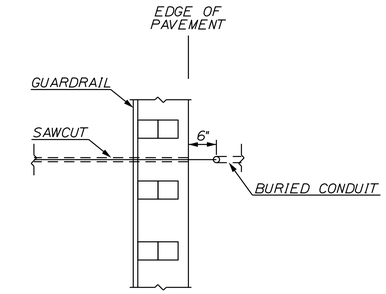
OF 18

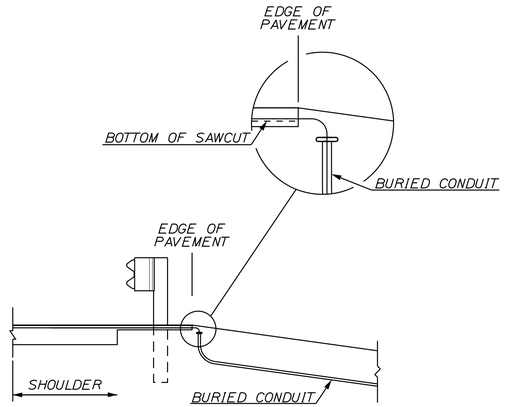
Filename: ...\016_CMF&LP1 ITS DETAILS.dgn Division: GEOTECH Username: Kate.Maguire Date:9/1/2021



ROAD WEATHER INFORMATION STATION DETAIL

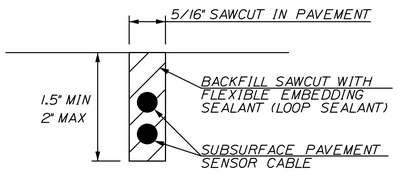
NOT TO SCALE





SAWCUT TO CONDUIT TRANSITION

NOT TO SCALE



SAWCUT DETAIL

NOT TO SCALE

NOTES:

1. HEIGHT OF EQUIPMENT PER MANUFACTURER'S STANDARDS AND RECOMMENDATION.
2. BAROMETER LOCATED IN EQUIPMENT CABINET.
3. NON-INVASIVE SURFACE STATE SENSOR AND NON-INVASIVE SURFACE TEMPERATURE SENSOR MAY BE ONE UNIT OR TWO SEPARATE UNITS.
4. PRECIPITATION SENSOR AND VISIBILITY SENSOR MAY BE ONE UNIT OR TWO SEPARATE UNITS.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1891(500)

WIN
018915.00

ITS PLANS

STATE OF MAINE * MARK SUENNEN No. 11481 * LICENSED PROFESSIONAL ENGINEER

P.E. NUMBER # 11481

SIGNATURE

9/31/2021

DATE

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

DATE	BY
8/31/2021	JAR
8/31/2021	MDS

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

ITS DETAILS (5 OF 10)

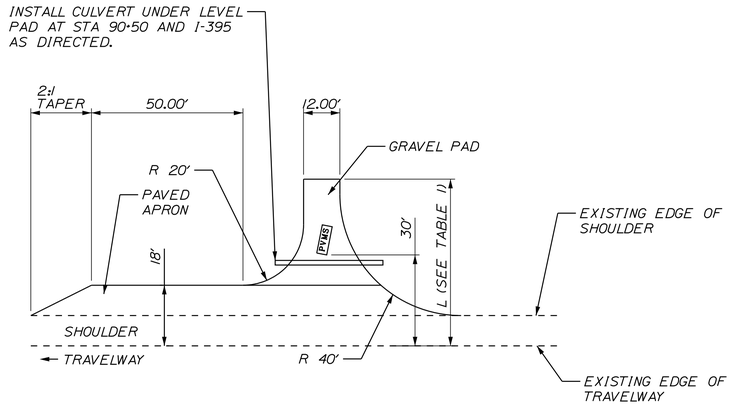
SHEET NUMBER

IT5

OF 18

vhb

Filename: ...\IT04_ITS-Detail05 -RWIS.dgn Division: HIGHWAY Username: jorobert Date:8/31/2021



PLAN DETAIL - LEVEL PAD

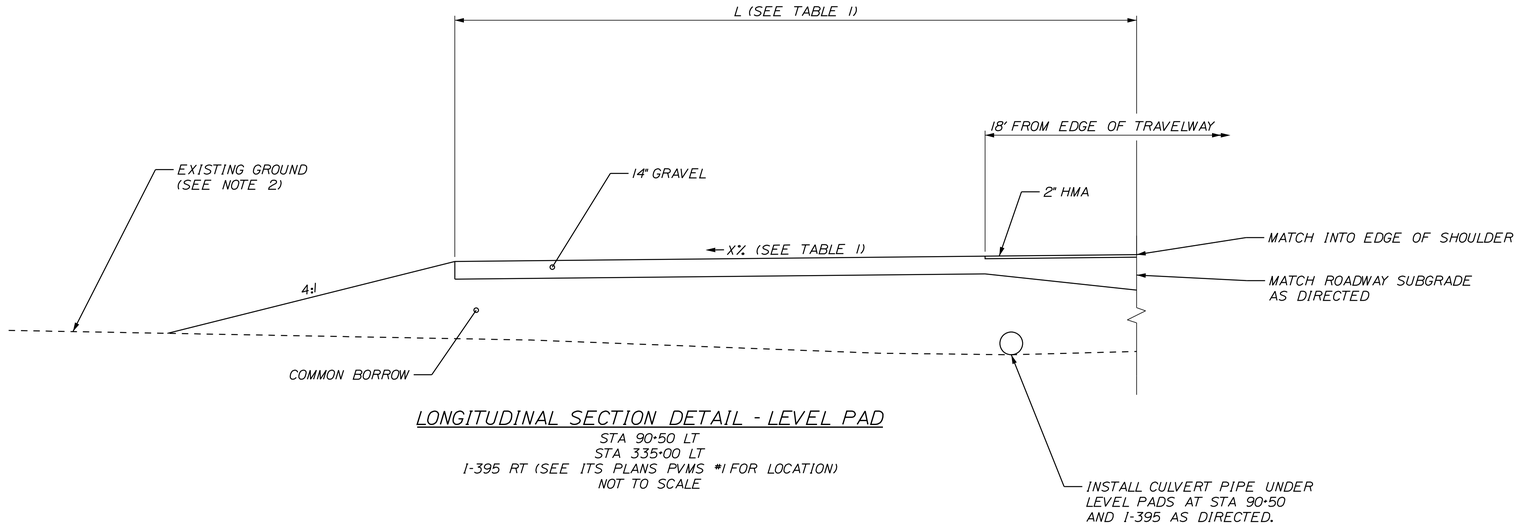
STA 90+50 LT
STA 335+00 LT
I-395 RT (SEE ITS PLANS PVMS #1 FOR LOCATION)
NOT TO SCALE

NOTES:

1. USE 4:1 MINIMUM INSLOPES AND 3:1 MINIMUM BACKSLOPES ON ALL SIDES OF THE LEVEL PAD. AT THE DIRECTION OF THE RESIDENT, THE SLOPES MAY BE INCREASED OUTSIDE THE CLEARZONE.
2. APPROXIMATE EXISTING GROUND DOES NOT REFLECT EXISTING GROUND AT ALL LOCATIONS. AT STA 335+00, REMOVE EXISTING PAVEMENT AND REUSE EXISTING GRAVEL AS DIRECTED.
3. SAWCUT EXISTING EDGE OF PAVEMENT AS REQUIRED TO CREATE A STRAIGHT VERTICAL JOINT. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.

LOCATION	L (LENGTH)	X (SLOPE)
STA 90+50	45'	1.0%
STA 335+00	45'	1.6%
I-395	55'	1.0%

TABLE 1 - LEVEL PAD DIMENSIONS



LONGITUDINAL SECTION DETAIL - LEVEL PAD

STA 90+50 LT
STA 335+00 LT
I-395 RT (SEE ITS PLANS PVMS #1 FOR LOCATION)
NOT TO SCALE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1891(500)

WIN
018915.00

ITS PLANS

STATE OF MAINE * MARK SUENNEN No. 11481 LICENSED PROFESSIONAL ENGINEER *

SIGNATURE # 11481

P.E. NUMBER 8/31/2021

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PROJ. MANAGER	R. MOULTON	
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DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

BY: JAR, MDS

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

ITS DETAILS (6 OF 10)

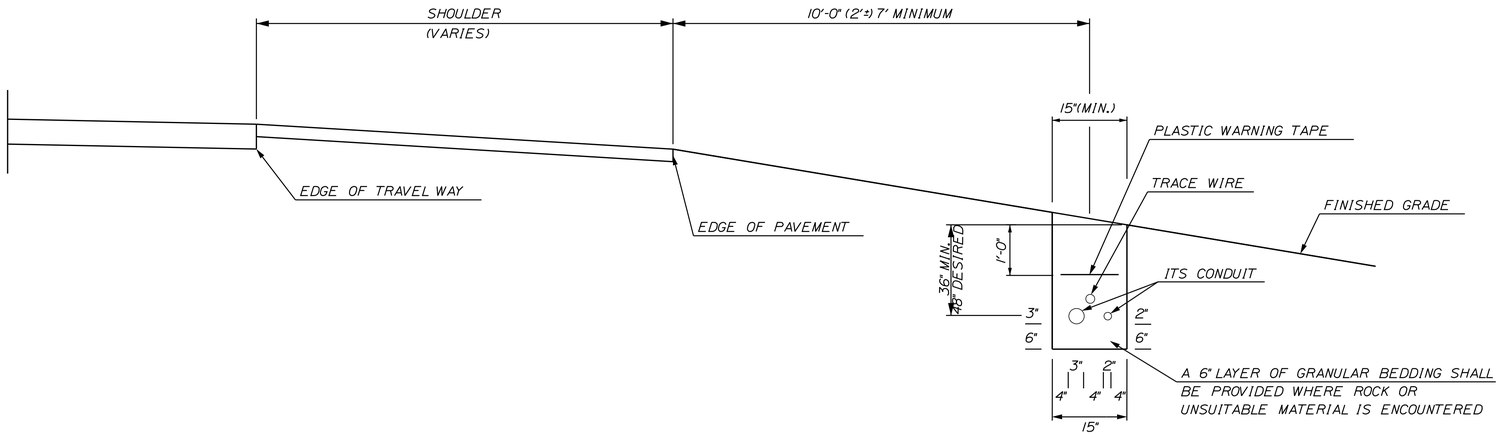
SHEET NUMBER

IT6

OF 18

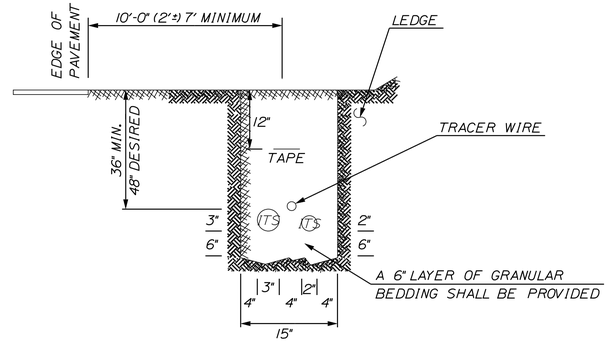
vhb

Filename: ...\IT05_ITS-Detail06 - PVMS_Pods.dgn Division: HIGHWAY Username: jarobert Date:8/31/2021



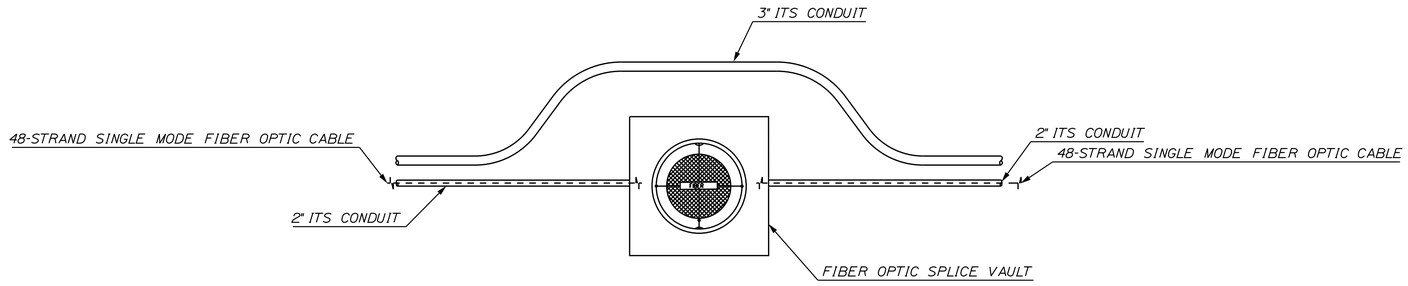
TRENCH DETAIL FOR CONDUIT INSTALLATION ALONG SHOULDER

NOT TO SCALE



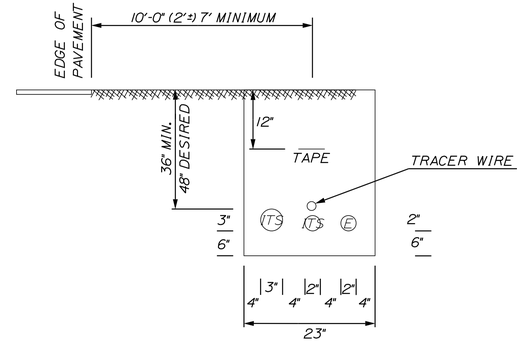
ITS COMMUNICATIONS ROCK TRENCH DETAIL

NOT TO SCALE



CONDUIT LAYOUT AT SPLICE VAULT DETAIL

NOT TO SCALE



ITS POWER AND COMMUNICATIONS TRENCH DETAIL

(STA. 51+00. LT - STA. 53+25. LT)
NOT TO SCALE

LEGEND
ITS = ITS COMMUNICATIONS
E = ELECTRIC

ANTICIPATED DIRECTIONAL BORE LOCATIONS

STATION	TO	STATION	ESTIMATED LENGTH	DESCRIPTION
STA. 4004+05. RT. 34'		STA. 4004+02. LT. 25'	60 LF	PROPOSED CONDUIT PATH UNDER RAMP B PAVEMENT
STA. 4003+90. RT. 34'		STA. 4003+90. LT. 20'	55 LF	PROPOSED CONDUIT PATH UNDER RAMP B PAVEMENT
STA. 3017+00. RT. 53'		STA. 47+02. LT. 30'	100 LF	PROPOSED CONDUIT PATH UNDER RAMP C PAVEMENT
STA. 53+19. LT. 30'		STA. 905+50. RT. 15'	107 LF	PROPOSED CONDUIT PATH UNDER RAMP D PAVEMENT
STA. 63+50. LT. 45'		STA. 64+81. LT. 40'	131 LF	PROPOSED CONDUIT PATH UNDER BOX CULVERT (23' SPAN BY 14' RISE)
STA. 83+84. LT. 45'		STA. 84+35. LT. 30'	50 LF	PROPOSED CONDUIT PATH UNDER 72" DIA. CULVERT
STA. 95+77. LT. 30'		STA. 96+27. LT. 30'	50 LF	PROPOSED CONDUIT PATH UNDER 60" DIA. CULVERT
STA. 117+00. LT. 30'		STA. 126+00. LT. 30'	900 LF	PROPOSED CONDUIT PATH UNDER 4 CULVERTS
STA. 133+00. LT. 30'		STA. 139+00. LT. 32'	600 LF	PROPOSED CONDUIT PATH UNDER 2 CULVERTS
STA. 144+75. LT. 39'		STA. 145+25. LT. 36'	50 LF	PROPOSED CONDUIT PATH UNDER 24" DIA. CULVERT
STA. 251+75. LT. 30'		STA. 252+25. LT. 30'	50 LF	PROPOSED CONDUIT PATH UNDER 36" DIA. CULVERT
STA. 271+83. LT. 34'		STA. 272+83. LT. 33'	100 LF	PROPOSED CONDUIT PATH UNDER WILDLIFE BOX CULVERT (12' SPAN BY 14' RISE)
STA. 283+50. LT. 34'		STA. 284+25. LT. 34'	100 LF	PROPOSED CONDUIT PATH UNDER BOX CULVERT (12' SPAN BY 14' RISE)
STA. 315+75. LT. 30'		STA. 316+25. LT. 30'	50 LF	PROPOSED CONDUIT PATH UNDER 36" DIA. CULVERT

NOTE: AREAS OUTSIDE ANTICIPATED DIRECTIONAL BORE LOCATIONS SHALL BE PAID FOR AS NON-METALLIC CONDUIT.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1891(500)

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018915.00

ITS PLANS

STATE OF MAINE * MARK SUENNEN No. 11481 * PROFESSIONAL ENGINEER (LICENSED)

P.E. NUMBER # 11481

SIGNATURE

9/31/2021
DATE

PROJ. MANAGER	R. MOULTON
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REVISIONS 3	
REVISIONS 4	
FIELD CHANGES	

DATE	BY
8/31/2021	JAR
8/31/2021	MDS

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

ITS DETAILS (7 OF 10)

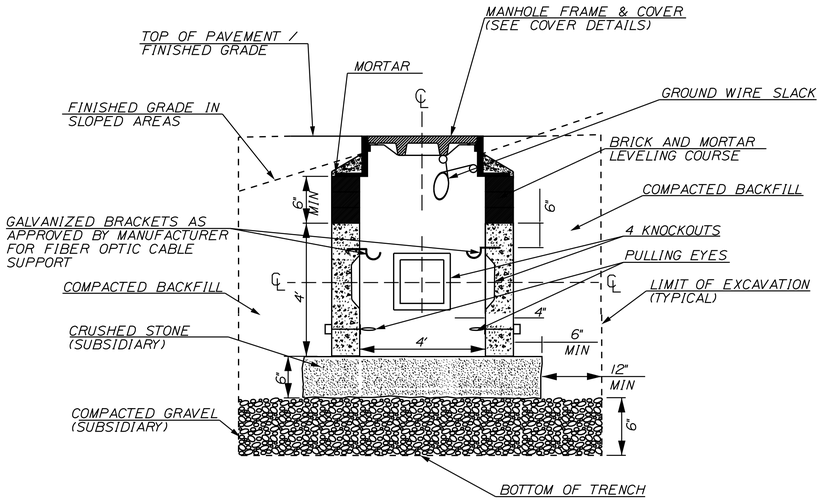
SHEET NUMBER

IT7

OF 18

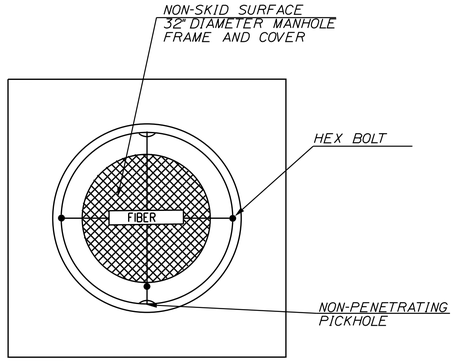
vhb

Filename: ...\IT06_ITS-Detail07 - Trench.dgn Division: HIGHWAY Username: jorobert Date:8/31/2021



CONCRETE FIBER OPTIC SPLICE VAULT DETAIL
48" (H) x 48" (W) x 48" (D)

NOT TO SCALE



COVER DETAIL
NOT TO SCALE

FIBER OPTIC MANHOLE NOTES:

1. CONDUIT BENDS THAT ARE GREATER THAN THE MINIMUM BENDING RADIUS OF THE CABLE SHALL BE USED TO ENTER THE MANHOLE.

2. CONDUIT SHALL EXTEND INTO THE MANHOLE A MAXIMUM OF 12".

3. SLACK CABLE SHOULD BE SUSPENDED FROM GALVANIZED BRACKETS AS APPROVED BY THE CABLE MANUFACTURER SO AS NOT TO EXCEED THE MINIMUM BENDING RADIUS OF THE CABLE.

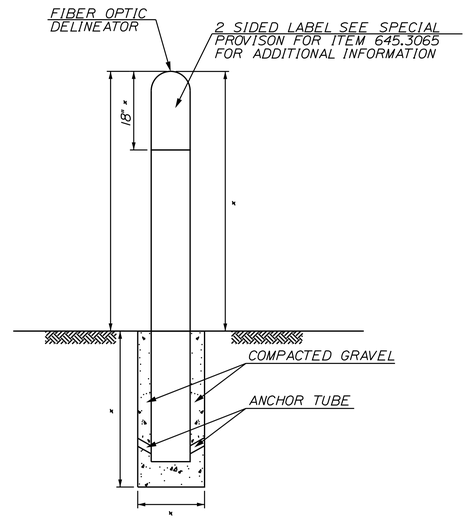
4. THE COVER SHALL BE CAST IRON WITH A NON-SLIP SURFACE. THE SURFACE SHALL HAVE A MINIMUM COEFFICIENT OF FRICTION OF 0.50.

5. FIBER OPTIC MANHOLES SHALL BE EXCAVATED TO A DEPTH OF 12 INCHES BELOW THE STRUCTURE'S BOTTOM. THE CONTRACTOR SHALL INSTALL 12 INCHES OF GRANULAR FILL MATERIAL AT THE BASE OF THE EXCAVATION BEFORE NSTALLING THE MANHOLE.

6. FIBER OPTIC MANHOLES SHALL NOT BE INSTALLED IN EXISTING OR PROPOSED ROADWAY PAVEMENT.

7. FIBER OPTIC MANHOLES SHALL BE MOUNTED FLUSH TO GRADE.

8. THE MAXIMUM OPENING SIZE FOR FIBER OPTIC MANHOLES SHALL EXCEED 1.5 TIMES THE MINIMUM BENDING RADIUS OF THE FIBER OPTIC CABLE TO BE INSTALLED.



* PER MANUFACTURER'S RECOMMENDATIONS

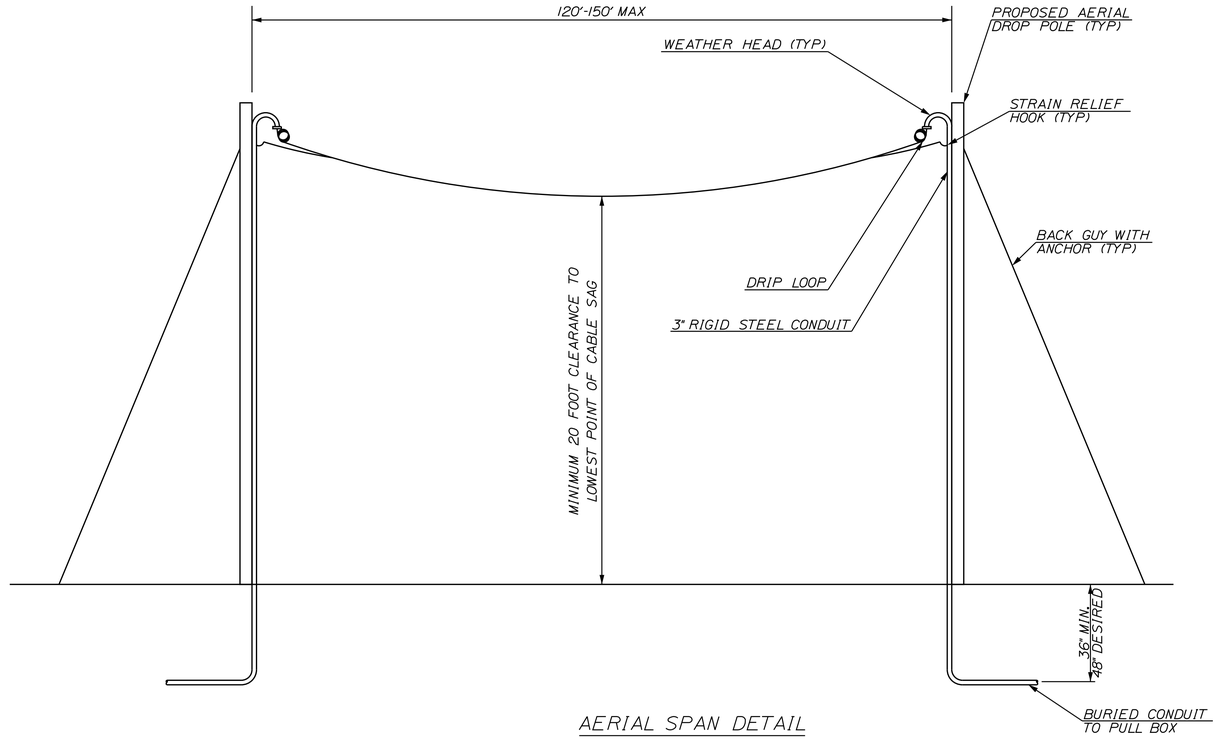
FIBER OPTIC DELINEATOR (FOD)
NOT TO SCALE

1. THE FOD SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS AND THE PLAN DETAILS.

2. THE FOD SHALL BE INSTALLED CONCURRENTLY WITH THE CONDUIT SYSTEM AND SHALL BE IN PLACE BEFORE THE FIBER OPTIC CABLE INSTALLATION.

3. THE FODS SHOULD BE INSTALLED AT APPROXIMATELY 500 FEET ON-CENTER WITH ADDITIONAL FODS PLACED NEAR EACH PULL BOX AND ANGLE POINT. FODS ARE NO REQUIRED WITHIN 200 FEET OF A WOOD POLE WHERE THE FIBER OPTIC CABLE TRANSITIONS TO AERIAL.

4. CONTRACTOR SHALL REMOVE AND REPLACE ANY FOD DAMAGED DUE TO CONSTRUCTION ACTIVITIES AT NO ADDITIONAL COST TO MAINEDOT.



AERIAL SPAN DETAIL
NOT TO SCALE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1891(500)

WIN
018915.00

ITS PLANS

STATE OF MAINE * MARK SUENEN No. 11481 LICENSED PROFESSIONAL ENGINEER *

SIGNATURE	# 11481
P.E. NUMBER	8/31/2021
DATE	

	DATE	BY
PROJ. MANAGER	8/31/2021	JAR
DESIGN-DETAILED		MDS
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

R. MOULTON D.JS D.JS

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

ITS DETAILS (8 OF 10)

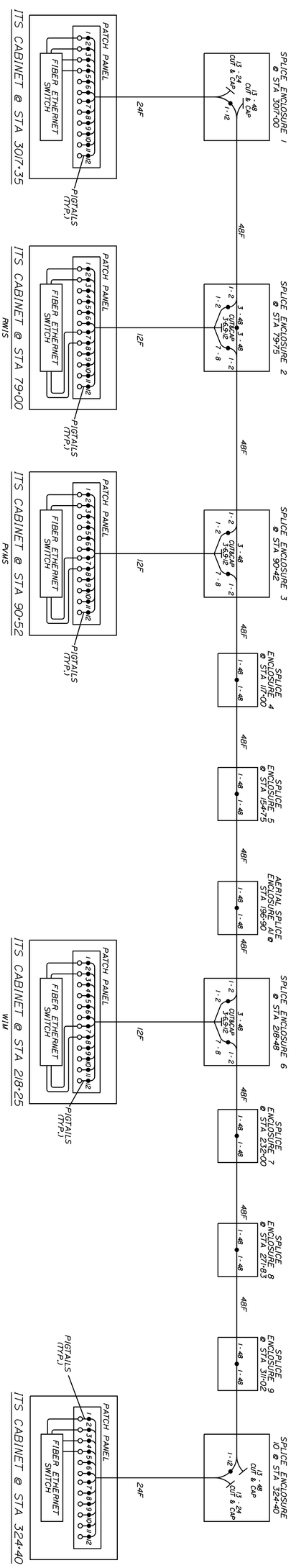
SHEET NUMBER

IT8

OF 18

vhb

Filename: ...\IT07_ITS-Detail08 - Vault.dgn Division: HIGHWAY Username: jorobert Date:8/31/2021



FIBER OPTIC ARCHITECTURE DIAGRAM

vhb

PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	DJS	JAR	8/31/2021
CHECKED-REVIEWED	DJS	MDS	8/31/2021
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE #11481
P.E. NUMBER 8/31/2021
DATE

STATE OF MAINE
MARK D. SUENNEN No. 11481
LICENSED PROFESSIONAL ENGINEER

BREWER TO EDDINGTON I-395/ROUTE 9 CONNECTOR

ITS DETAILS (9 OF 10)

SHEET NUMBER IT9 OF 18

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1891(500)

WIN 018915.00 ITS PLANS

PULL BOX STA 3017+00 - FIBER OPTIC SPLICE TABLE

	CABLE	STRAND	CONNECTION TYPE	CABLE	STRAND	DESCRIPTION
SPLICE ENCLOSURE 1	48F TO SE 2	1-12	SPLICE	24F TO ITS EQUIPMENT CABINET	1-12	SPLICE TO 24F DROP CABLE
	48F TO SE 2	13-48	UNTERMINATED		-	CUT AND CAP FIBERS
	24F TO CABINET	13-24	UNTERMINATED		-	CUT AND CAP FIBERS
					-	
PATCH PANEL AT ITS EQUIPMENT CABINET @ 3017+35	24F TO SE 1	1	SPLICE	PIGTAIL	-	ES, PP POSITION 1
	24F TO SE 1	2	SPLICE	PIGTAIL	-	ES, PP POSITION 2
	24F TO SE 1	3	SPLICE	PIGTAIL	-	ES, PP POSITION 3
	24F TO SE 1	4	SPLICE	PIGTAIL	-	ES, PP POSITION 4
	24F TO SE 1	5	SPLICE	PIGTAIL	-	SPARE, PP POSITION 5
	24F TO SE 1	6	SPLICE	PIGTAIL	-	SPARE, PP POSITION 6
	24F TO SE 1	7	SPLICE	PIGTAIL	-	SPARE, PP POSITION 7
	24F TO SE 1	8	SPLICE	PIGTAIL	-	SPARE, PP POSITION 8
	24F TO SE 1	9	SPLICE	PIGTAIL	-	SPARE, PP POSITION 9
	24F TO SE 1	10	SPLICE	PIGTAIL	-	SPARE, PP POSITION 10
	24F TO SE 1	11	SPLICE	PIGTAIL	-	SPARE, PP POSITION 11
	24F TO SE 1	12	SPLICE	PIGTAIL	-	SPARE, PP POSITION 12
	24F TO SE 1	13-24	CUT & CAP			

PULL BOX STA 79+75 - FIBER OPTIC SPLICE TABLE

	CABLE	STRAND	CONNECTION TYPE	CABLE	STRAND	DESCRIPTION
SPLICE ENCLOSURE 2	48F TO SE 1	1-2	SPLICE	12F TO ITS EQUIPMENT CABINET	1-2	SPLICE TO 12F DROP CABLE
	48F TO SE 1	3-48	SPLICE	48F TO SE 3	3-48	48F BACKBONE BUTT SPLICE
	48F TO SE 3	1-2	SPLICE	12F TO ITS EQUIPMENT CABINET	7-8	SPLICE TO 12F DROP CABLE
	12F TO CABINET	3-6	UNTERMINATED		-	CUT AND CAP FIBERS
	12F TO CABINET	9-12	UNTERMINATED		-	CUT AND CAP FIBERS
PATCH PANEL AT ITS EQUIPMENT CABINET @ 79+00	12F TO SE 2	1	SPLICE	PIGTAIL	-	ES, PP POSITION 1
	12F TO SE 2	2	SPLICE	PIGTAIL	-	ES, PP POSITION 2
	12F TO SE 2	3	SPLICE	PIGTAIL	-	SPARE, PP POSITION 3
	12F TO SE 2	4	SPLICE	PIGTAIL	-	SPARE, PP POSITION 4
	12F TO SE 2	5	SPLICE	PIGTAIL	-	SPARE, PP POSITION 5
	12F TO SE 2	6	SPLICE	PIGTAIL	-	SPARE, PP POSITION 6
	12F TO SE 2	7	SPLICE	PIGTAIL	-	ES, PP POSITION 7
	12F TO SE 2	8	SPLICE	PIGTAIL	-	ES, PP POSITION 8
	12F TO SE 2	9	SPLICE	PIGTAIL	-	SPARE, PP POSITION 9
	12F TO SE 2	10	SPLICE	PIGTAIL	-	SPARE, PP POSITION 10
	12F TO SE 2	11	SPLICE	PIGTAIL	-	SPARE, PP POSITION 11
	12F TO SE 2	12	SPLICE	PIGTAIL	-	SPARE, PP POSITION 12

PULL BOX @ STA 90+42 - FIBER OPTIC SPLICE TABLE

	CABLE	STRAND	CONNECTION TYPE	CABLE	STRAND	DESCRIPTION
SPLICE ENCLOSURE 3	48F TO SE 2	1-2	SPLICE	12F TO ITS EQUIPMENT CABINET	1-12	SPLICE TO 12F DROP CABLE
	48F TO SE 2	3-48	THROUGH	CONTINUOUS	-	48F FIBER OPTIC BACKBONE
	48F TO SE 4	1-2	SPLICE	12F TO ITS EQUIPMENT CABINET	7,8	SPLICE TO 12F DROP CABLE
	12F TO CABINET	3-6	UNTERMINATED		-	CUT AND CAP FIBERS
	12F TO CABINET	9-12	UNTERMINATED		-	CUT AND CAP FIBERS
PATCH PANEL AT ITS EQUIPMENT CABINET @ 90+52	12F TO SE 3	1	SPLICE	PIGTAIL	-	ES, PP POSITION 1
	12F TO SE 3	2	SPLICE	PIGTAIL	-	ES, PP POSITION 2
	12F TO SE 3	3	SPLICE	PIGTAIL	-	SPARE, PP POSITION 3
	12F TO SE 3	4	SPLICE	PIGTAIL	-	SPARE, PP POSITION 4
	12F TO SE 3	5	SPLICE	PIGTAIL	-	SPARE, PP POSITION 5
	12F TO SE 3	6	SPLICE	PIGTAIL	-	SPARE, PP POSITION 6
	12F TO SE 3	7	SPLICE	PIGTAIL	-	ES, PP POSITION 7
	12F TO SE 3	8	SPLICE	PIGTAIL	-	ES, PP POSITION 8
	12F TO SE 3	9	SPLICE	PIGTAIL	-	SPARE, PP POSITION 9
	12F TO SE 3	10	SPLICE	PIGTAIL	-	SPARE, PP POSITION 10
	12F TO SE 3	11	SPLICE	PIGTAIL	-	SPARE, PP POSITION 11
	12F TO SE 3	12	SPLICE	PIGTAIL	-	SPARE, PP POSITION 12

PULL BOX @ STA 117+00 - FIBER OPTIC SPLICE TABLE

	CABLE	STRAND	CONNECTION TYPE	CABLE	STRAND	DESCRIPTION
SPLICE ENCLOSURE 4	48F TO SE 3	1-48	SPLICE	48F TO SE 5	1-48	48F BACKBONE BUTT SPLICE

PULL BOX @ STA 154+75 - FIBER OPTIC SPLICE TABLE

	CABLE	STRAND	CONNECTION TYPE	CABLE	STRAND	DESCRIPTION
SPLICE ENCLOSURE 5	48F TO SE 4	1-48	SPLICE	48F TO SE A1	1-48	48F BACKBONE BUTT SPLICE

PULL BOX @ 196+90 - FIBER OPTIC SPLICE TABLE

	CABLE	STRAND	CONNECTION TYPE	CABLE	STRAND	DESCRIPTION
AERIAL SPLICE ENCLOSURE A1	48F TO SE 5	1-48	SPLICE	48F TO SE 6	1-48	48F BACKBONE BUTT SPLICE

PULL BOX @ STA 218+48 - FIBER OPTIC SPLICE TABLE

	CABLE	STRAND	CONNECTION TYPE	CABLE	STRAND	DESCRIPTION
SPLICE ENCLOSURE 6	48F TO SE A1	1-2	SPLICE	12F TO ITS EQUIPMENT CABINET	1-2	SPLICE TO 12F DROP CABLE
	48F TO SE A1	3-48	THROUGH	CONTINUOUS	-	48F FIBER OPTIC BACKBONE
	48F TO SE7	1-2	SPLICE	12F TO ITS EQUIPMENT CABINET	7,8	SPLICE TO 12F DROP CABLE
	12F TO CABINET	3-6	UNTERMINATED		-	CUT AND CAP FIBERS
	12F TO CABINET	9-12	UNTERMINATED		-	CUT AND CAP FIBERS
PATCH PANEL AT ITS EQUIPMENT CABINET @ 218+25	12F TO SE 6	1	SPLICE	PIGTAIL	-	ES, PP POSITION 1
	12F TO SE 6	2	SPLICE	PIGTAIL	-	ES, PP POSITION 2
	12F TO SE 6	3	SPLICE	PIGTAIL	-	SPARE, PP POSITION 3
	12F TO SE 6	4	SPLICE	PIGTAIL	-	SPARE, PP POSITION 4
	12F TO SE 6	5	SPLICE	PIGTAIL	-	SPARE, PP POSITION 5
	12F TO SE 6	6	SPLICE	PIGTAIL	-	SPARE, PP POSITION 6
	12F TO SE 6	7	SPLICE	PIGTAIL	-	ES, PP POSITION 7
	12F TO SE 6	8	SPLICE	PIGTAIL	-	ES, PP POSITION 8
	12F TO SE 6	9	SPLICE	PIGTAIL	-	SPARE, PP POSITION 9
	12F TO SE 6	10	SPLICE	PIGTAIL	-	SPARE, PP POSITION 10
	12F TO SE 6	11	SPLICE	PIGTAIL	-	SPARE, PP POSITION 11
	12F TO SE 6	12	SPLICE	PIGTAIL	-	SPARE, PP POSITION 12

PULL BOX @ STA 232+00 - FIBER OPTIC SPLICE TABLE

	CABLE	STRAND	CONNECTION TYPE	CABLE	STRAND	DESCRIPTION
SPLICE ENCLOSURE 7	48F TO SE 6	1-48	SPLICE	48F TO SE 8	1-48	48F BACKBONE BUTT SPLICE

PULL BOX @ STA 271+83 - FIBER OPTIC SPLICE TABLE

	CABLE	STRAND	CONNECTION TYPE	CABLE	STRAND	DESCRIPTION
SPLICE ENCLOSURE 8	48F TO SE 7	1-48	SPLICE	48F TO SE 9	1-48	48F BACKBONE BUTT SPLICE

PULL BOX @ STA 311+02 - FIBER OPTIC SPLICE TABLE

	CABLE	STRAND	CONNECTION TYPE	CABLE	STRAND	DESCRIPTION
SPLICE ENCLOSURE 9	48F TO SE 8	1-48	SPLICE	48F TO SE 10	1-48	48F BACKBONE BUTT SPLICE

PULL BOX @ STA 324+40 - FIBER OPTIC SPLICE TABLE

	CABLE	STRAND	CONNECTION TYPE	CABLE	STRAND	DESCRIPTION
SPLICE ENCLOSURE 10	48F TO SE 9	1-12	SPLICE	24F TO ITS EQUIPMENT CABINET	1-12	SPLICE TO 24F DROP CABLE
	48F TO SE 9	13-48	UNTERMINATED		-	CUT AND CAP FIBERS
	24F TO CABINET	13-24	UNTERMINATED		-	CUT AND CAP FIBERS
PATCH PANEL AT ITS EQUIPMENT CABINET @ 324+40	24F TO SE 10	1	SPLICE	PIGTAIL	-	ES, PP POSITION 1
	24F TO SE 10	2	SPLICE	PIGTAIL	-	ES, PP POSITION 2
	24F TO SE 10	3	SPLICE	PIGTAIL	-	ES, PP POSITION 3
	24F TO SE 10	4	SPLICE	PIGTAIL	-	ES, PP POSITION 4
	24F TO SE 10	5	SPLICE	PIGTAIL	-	SPARE, PP POSITION 5
	24F TO SE 10	6	SPLICE	PIGTAIL	-	SPARE, PP POSITION 6
	24F TO SE 10	7	SPLICE	PIGTAIL	-	SPARE, PP POSITION 7
	24F TO SE 10	8	SPLICE	PIGTAIL	-	SPARE, PP POSITION 8
	24F TO SE 10	9	SPLICE	PIGTAIL	-	SPARE, PP POSITION 9
	24F TO SE 10	10	SPLICE	PIGTAIL	-	SPARE, PP POSITION 10
	24F TO SE 10	11	SPLICE	PIGTAIL	-	SPARE, PP POSITION 11
	24F TO SE 10	12	SPLICE	PIGTAIL	-	SPARE, PP POSITION 12
	24F TO SE 10	13-24	CUT & CAP			

Filename: ...\IT09_ITS-Detail10 - Splice.dgn Division: HIGHWAY Username: jorobert Date:8/31/2021

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1891(500)

WIN
018915.00

ITS PLANS

STATE OF MAINE * MARK SUENEN No. 11481 LICENSED PROFESSIONAL ENGINEER *

SIGNATURE	# 11481	
P.E. NUMBER	8/31/2021	
DATE		

PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	DJS	JAR
CHECKED-REVIEWED	DJS	MDS
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

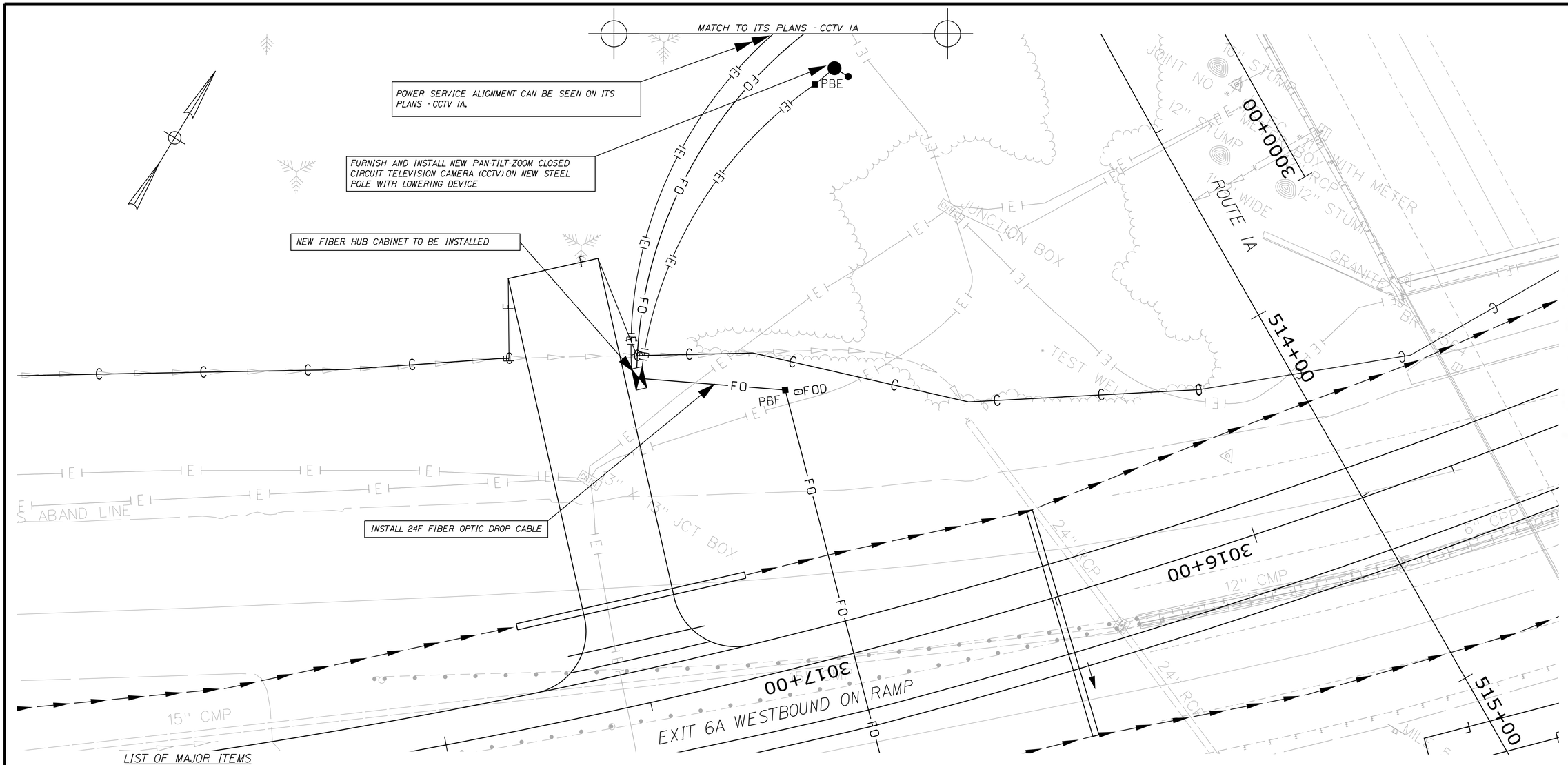
BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

ITS DETAILS (10 OF 10)

SHEET NUMBER

IT10

OF 18



LIST OF MAJOR ITEMS

ITEM NO.	EQUIPMENT AND WORK ITEMS	QUANTITY
626.11	PRECAST CONCRETE JUNCTION BOX	1 EA
626.22	NON-METALLIC CONDUIT (2-INCH)	220 LF
626.221	NON-METALLIC CONDUIT, CONCRETE ENCASED	90 LF
626.35	CONTROLLER CABINET FOUNDATION	1 EA
626.46	48-INCH DIAMETER FOUNDATION	8.5 LF
645.3065	FIBER OPTIC DELINEATOR	1 EA
654.211	CLOSED CIRCUIT TELEVISION (CCTV) SYSTEM	1 LS
654.31	ITS EQUIPMENT CABINET	1 EA
654.311	FIBER ETHERNET SWITCH	1 EA
654.312	UNINTERRUPTIBLE POWER SUPPLY (UPS)	1 EA
654.332	COMMUNICATIONS SERVICE CONNECTION	1 LS
654.3331	FIBER OPTIC PATCH PANEL (12 POSITION)	1 EA
654.3332	SPLICE ENCLOSURE	1 EA
654.3333	SINGLE MODE FIBER OPTIC CABLE (24 STRAND)	166 LF
654.3334	FIBER OPTIC SPLICE	24 EA
654.3335	FIBER OPTIC SPLICE VAULT	1 EA

NOTES

1. INSTALLATION OF UNDERGROUND ELECTRICAL CONDUITS SHALL BE IN ACCORDANCE WITH THE CURRENT VERSION OF UTILITY POLICY 2016-2, PROTECTION OF MAINEDOT OWNED UNDERGROUND ELECTRICAL SERVICE CONNECTIONS AND THE CURRENT VERSION OF THE MAINEDOT UTILITY ACCOMMODATION RULES.
2. SEE ITS DETAILS FOR ADDITIONAL INFORMATION REGARDING THE ITS CABINET, CCTV, AND FIBER OPTIC SPLICING.
3. VERSANT POWER WORK ORDER:
   ACCNT #000000001O633449-1
   ISSUE # 1051040

LEGEND

- CLOSED CIRCUIT TELEVISION CAMERA (CCTV)
- CONTROL CABINET
- PBE - ELECTRIC PULL BOX
- PBF - FIBER OPTIC PULL BOX
- FOD - FIBER OPTIC DELINEATOR
- FO - FIBER OPTIC CABLE
- METER PEDESTAL
- PVMS - PORTABLE VARIABLE MESSAGE SIGN (PVMS)
- ROAD WEATHER INFORMATION SYSTEM (RWIS)
- SOLAR PANEL

PLAN

12.5 0 12.5 25
Scale of Feet

vhb

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1891(500)

WIN
018915.00

ITS PLANS

STATE OF MAINE * MARK SUENNEN No. 11481 LICENSED PROFESSIONAL ENGINEER *

SIGNATURE	# 11481	
P.E. NUMBER	9/31/2021	
DATE		

PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	DJS	8/31/2021
CHECKED-REVIEWED	DJS	8/31/2021
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1	JAR	8/31/2021
REVISIONS 2	MDS	8/31/2021
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

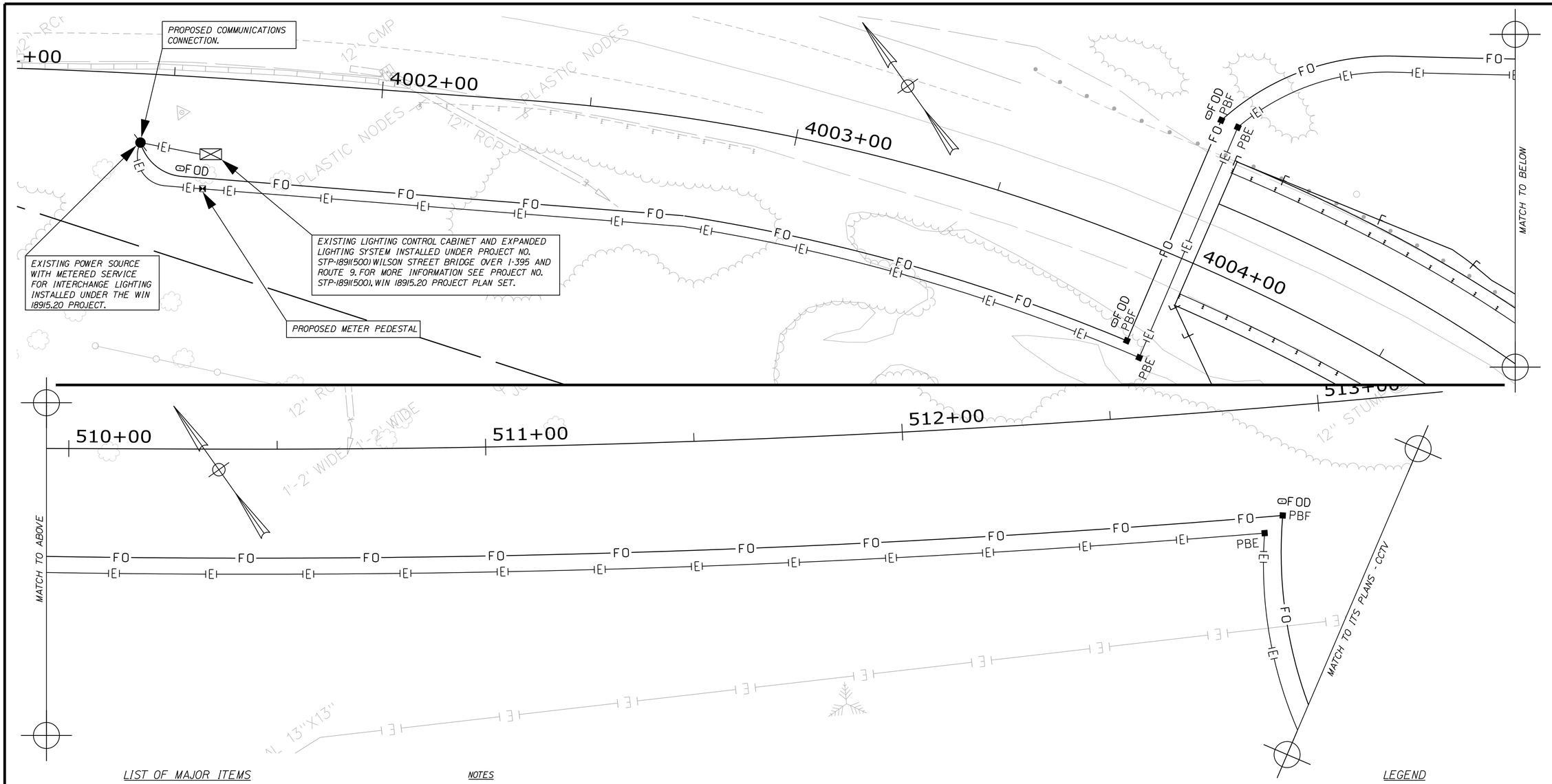
ITS PLANS - CCTV

SHEET NUMBER

IT11

OF 18

Filename: ...\planset\IT10_CCTV PLAN_12.dgn Division: HIGHWAY Username: jarobert Date:8/31/2021



LIST OF MAJOR ITEMS

ITEM NO.	EQUIPMENT AND WORK ITEMS	QUANTITY
626.11	PRECAST CONCRETE JUNCTION BOX	6 EA
626.21	METALLIC CONDUIT	25 LF
626.22	2" NON-METALLIC CONDUIT	670 LF
626.221	NON-METALLIC CONDUIT, CONCRETE ENCASED	660 LF
626.251	NON-METALLIC CONDUIT UNDER PAVEMENT	115 LF
645.3065	FIBER OPTIC DELINEATOR	4 EA
645.332	COMMUNICATIONS SERVICE CONNECTION	1 LS

NOTES

1. INSTALLATION OF UNDERGROUND ELECTRICAL CONDUITS SHALL BE IN ACCORDANCE WITH THE CURRENT VERSION OF UTILITY POLICY 2016-2, PROTECTION OF MAINEDOT OWNED UNDERGROUND ELECTRICAL SERVICE CONNECTIONS AND THE CURRENT VERSION OF THE MAINEDOT UTILITY ACCOMMODATION RULES.
2. SEE SPECIAL PROVISION 654.332 FOR ADDITIONAL INFORMATION REGARDING CABLING, AND CONNECTION REQUIREMENTS FOR THE COMMUNICATIONS DROP.
3. VERSANT POWER WORK ORDER:
   ACCNT #000000001O633449-1
   ISSUE # 1051040

LEGEND

- CLOSED CIRCUIT TELEVISION CAMERA (CCTV)
- CONTROL CABINET
- PBE - ELECTRIC PULL BOX
- PBF - FIBER OPTIC PULL BOX
- FOD - FIBER OPTIC DELINEATOR
- FO - FIBER OPTIC CABLE
- METER PEDESTAL
- PVMS - PORTABLE VARIABLE MESSAGE SIGN (PVMS)
- ROAD WEATHER INFORMATION SYSTEM (RWIS)
- SOLAR PANEL

PLAN

12.5 0 12.5 25
Scale of Feet

vhb

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1891(500)

WIN
018915.00

ITS PLANS

STATE OF MAINE
MARK SUENNEN
No. 11481
LICENSED PROFESSIONAL ENGINEER

P.E. NUMBER # 11481
SIGNATURE
9/31/2021
DATE

	BY	DATE
PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	DJS	8/31/2021
CHECKED-REVIEWED	DJS	8/31/2021
DESIGN2-DETAILED2	MDS	
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

ITS PLANS - CCTV 1A

SHEET NUMBER
IT12
OF 18

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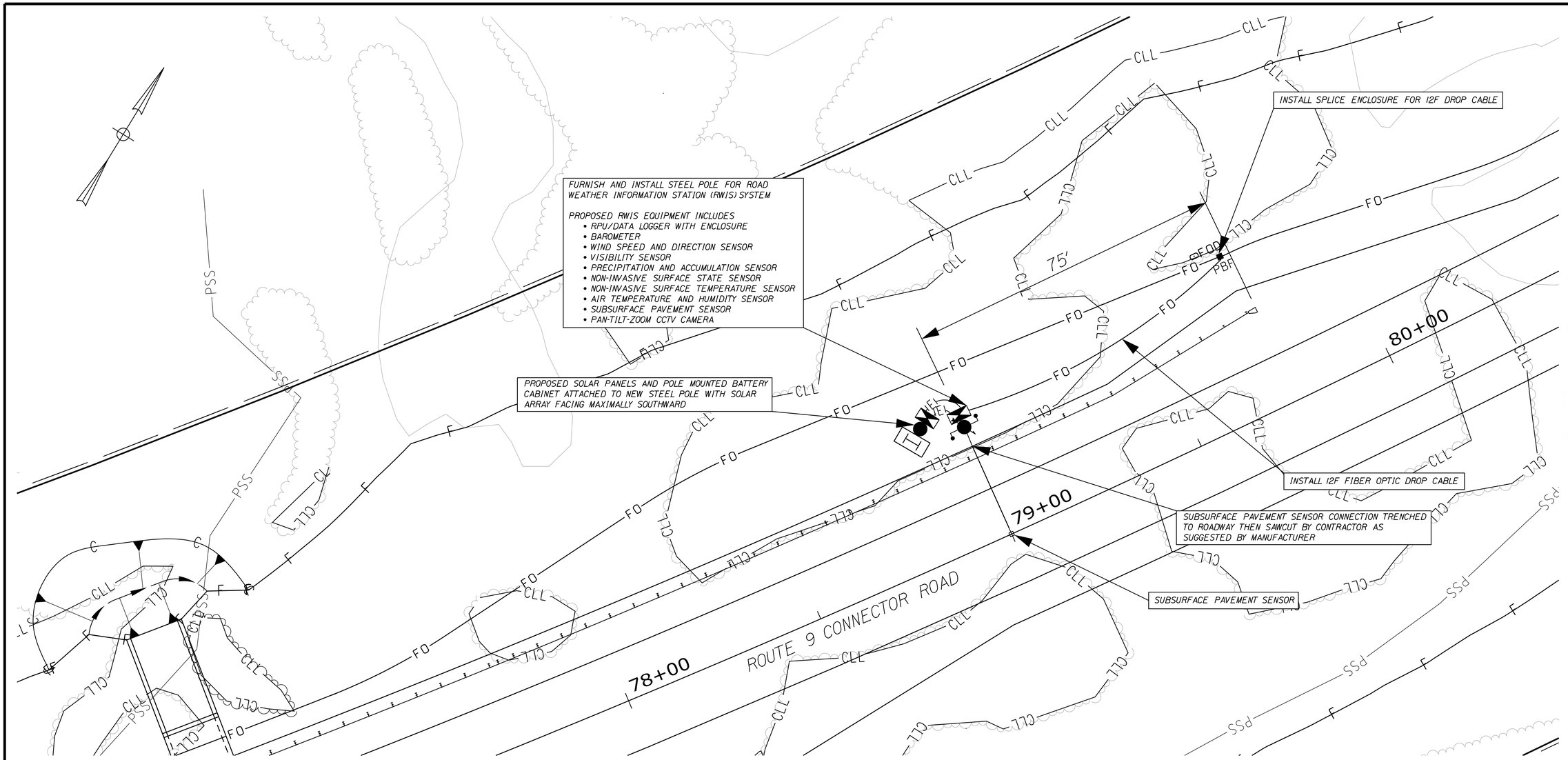
Filename: ...\plonset\IT12_RWIS PLAN_13.dgn Username: jorobert Division: HIGHWAY Date:8/31/2021



LIST OF MAJOR ITEMS

ITEM NO.	EQUIPMENT AND WORK ITEMS	QUANTITY
626.22	NON-METALLIC CONDUIT (2-INCH)	72 LF
626.44	36-INCH DIAMETER FOUNDATION	20 LF
645.3065	FIBER OPTIC DELINEATOR	1 EA
654.311	FIBER ETHERNET SWITCH	1 EA
654.3331	FIBER OPTIC PATCH PANEL (12 POSITION)	1 EA
654.3332	SPLICE ENCLOSURE	1 EA
654.3333	SINGLE MODE FIBER OPTIC CABLE (12 STRAND)	194 LF
654.3334	FIBER OPTIC SPLICE	62 EA
654.3335	FIBER OPTIC SPLICE VAULT	1 EA
645.53	ROAD WEATHER INFORMATION STATION	1 LS

NOTES

1. INSTALLATION OF UNDERGROUND ELECTRICAL CONDUITS SHALL BE IN ACCORDANCE WITH THE CURRENT VERSION OF UTILITY POLICY 2016-2, PROTECTION OF MAINEDOT OWNED UNDERGROUND ELECTRICAL SERVICE CONNECTIONS AND THE CURRENT VERSION OF THE MAINEDOT UTILITY ACCOMMODATION RULES.
2. CONTRACTOR SHALL INSTALL SUBURFACE SENSOR AND SAWCUT PAVEMENT FOR SENSOR CABLES. CONTRACTOR SHALL LOCATE SENSOR CONDUIT AND ALIGN SAWCUT TO MEET. SEE DETAIL SHEET FOR SAWCUT TO CONDUIT TRANSITION DETAIL.
3. SEE ITS DETAILS FOR MORE INFORMATION REGARDING THE ROAD WEATHER INFORMATION STATION (RWIS) AND FIBER OPTIC CABLE SPLICING.

LEGEND

- CLOSED CIRCUIT TELEVISION CAMERA (CCTV)
- CONTROL CABINET
- PBE - ELECTRIC PULL BOX
- PBF - FIBER OPTIC PULL BOX
- FOD - FIBER OPTIC DELINEATOR
- FO - FIBER OPTIC CABLE
- METER PEDESTAL
- PVMS - PORTABLE VARIABLE MESSAGE SIGN (PVMS)
- ROAD WEATHER INFORMATION SYSTEM (RWIS)
- SOLAR PANEL

PLAN

12.5 0 12.5 25
Scale of Feet

vhb

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1891(500)

WIN
018915.00

ITS PLANS

STATE OF MAINE MARK SUENEN No. 11481 LICENSED PROFESSIONAL ENGINEER

SIGNATURE # 11481

P.E. NUMBER 8/31/2021

DATE

PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	DJS	JAR	8/31/2021
CHECKED-REVIEWED	DJS	MDS	8/31/2021
DESIGN2-DETAILED2	DJS		
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

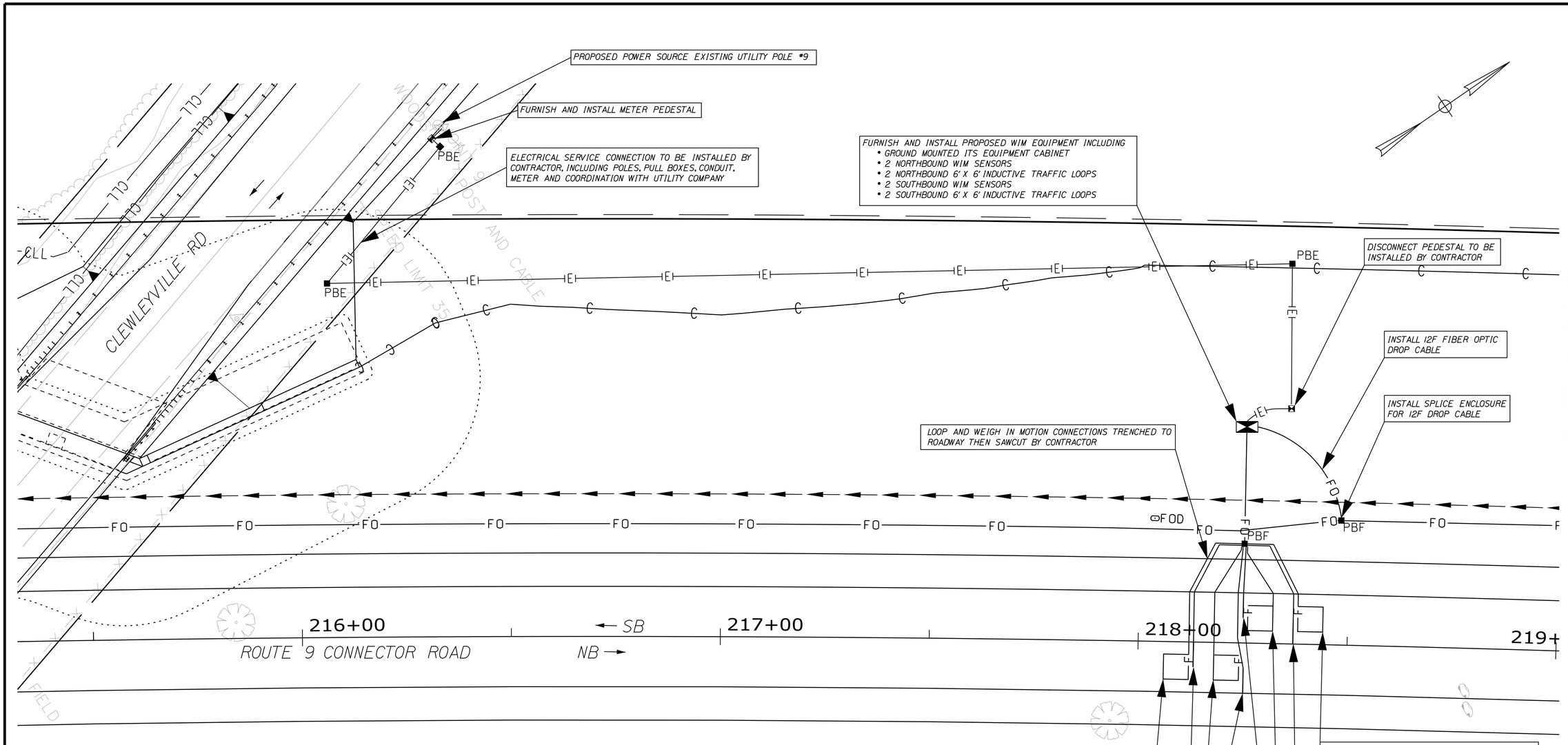
BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

ITS PLANS - RWIS

SHEET NUMBER

IT13

OF 18



LIST OF MAJOR ITEMS

ITEM NO.	EQUIPMENT AND WORK ITEMS	QUANTITY
626.11	PRECAST CONCRETE JUNCTION BOX	4 EA
626.21	METALLIC CONDUIT	25 LF
626.22	NON-METALLIC CONDUIT (2-INCH)	60 LF
626.221	NON-METALLIC CONDUIT, CONCRETE ENCASED	320 LF
626.35	CONTROLLER CABINET FOUNDATION	1 EA
643.871	WEIGH-IN-MOTION SYSTEM	1 LS
645.3065	FIBER OPTIC DELINEATOR	1 EA
654.31	ITS EQUIPMENT CABINET	1 EA
654.311	FIBER ETHERNET SWITCH	1 EA
654.312	UNINTERRUPTIBLE POWER SUPPLY (UPS)	1 EA
645.3331	FIBER OPTIC PATCH PANEL (12 POSITION)	1 EA
654.3332	SPLICE ENCLOSURE	1 EA
645.3333	SINGLE MODE FIBER OPTIC CABLE (12 STRAND)	160 LF
654.3334	FIBER OPTIC SPLICE	16 EA
654.3335	FIBER OPTIC SPLICE VAULT	1 EA

NOTES

1. INSTALLATION OF UNDERGROUND ELECTRICAL CONDUITS SHALL BE IN ACCORDANCE WITH THE CURRENT VERSION OF UTILITY POLICY 2016-2, PROTECTION OF MAINEDOT OWNED UNDERGROUND ELECTRICAL SERVICE CONNECTIONS AND THE CURRENT VERSION OF THE MAINEDOT UTILITY ACCOMMODATION RULES.
2. CONTRACTOR SHALL SAWCUT THE BINDER COURSE PAVEMENT FOR THE INSTALLATION OF THE 6' X 6' LOOPS. CONTRACTOR SHALL SAW CUT THE SURFACE COURSE PAVEMENT FOR INSTALLATION OF THE WEIGH IN MOTION SENSORS IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. ALL LOOP DETECTOR AND SENSOR CABLE SHALL CONTINUE TO THE PULL BOX LOCATED WITHIN 2 FEET OFF THE EDGE OF PAVEMENT.
3. SEE ITS DETAILS FOR MORE INFORMATION REGARDING WEIGH IN MOTION (WIM) SYSTEM, ITS EQUIPMENT CABINET AND FIBER OPTIC CABLE SPLICING.
4. VERSANT POWER WORK ORDER:
   ACCNT #000000001 0633450-9
   ISSUE # 1051041

LEGEND

- CLOSED CIRCUIT TELEVISION CAMERA (CCTV)
- CONTROL CABINET
- PBE - ELECTRIC PULL BOX
- PBF - FIBER OPTIC PULL BOX
- FOD - FIBER OPTIC DELINEATOR
- FO - FIBER OPTIC CABLE
- METER PEDESTAL
- PVMS - PORTABLE VARIABLE MESSAGE SIGN (PVMS)
- ROAD WEATHER INFORMATION SYSTEM (RWIS)
- SOLAR PANEL

PLAN

12.5 0 12.5 25
Scale of Feet

vhb

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1891(500)

WIN
018915.00

ITS PLANS

STATE OF MAINE * MARK SUENEN No. 11481 LICENSED PROFESSIONAL ENGINEER *

P.E. NUMBER 11481
SIGNATURE
9/21/2021
DATE

	DATE	BY
PROJ. MANAGER	8/31/2021	JAR
DESIGN-DETAILED	8/31/2021	MDS
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

R. MOULTON
DJS
DJS

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

ITS PLANS - WIM

SHEET NUMBER
IT14
OF 18

Filename: ...\plonset\IT13_WIM PLAN_14.dgn Username: jarobert Division: HIGHWAY Date:8/31/2021

LIST OF MAJOR ITEMS

ITEM NO.	EQUIPMENT AND WORK ITEMS	QUANTITY
654.223	SEMI PERMANENT PAD-MOUNTED VARIABLE MESSAGE SIGN	1 EA

NOTES

1. SEE ITS DETAILS FOR MORE INFORMATION REGARDING THE PVMS LEVELING PAD.

LEGEND

- CLOSED CIRCUIT TELEVISION CAMERA (CCTV)
- CONTROL CABINET
- PBE - ELECTRIC PULL BOX
- PBF - FIBER OPTIC PULL BOX
- FOD - FIBER OPTIC DELINEATOR
- FO - FIBER OPTIC CABLE
- METER PEDESTAL
- PVMS - PORTABLE VARIABLE MESSAGE SIGN (PVMS)
- ROAD WEATHER INFORMATION SYSTEM (RWIS)
- SOLAR PANEL

PLAN

12.5 0 12.5 25

Scale of Feet

vhb

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1891(500)

WIN
018915.00

ITS PLANS

STATE OF MAINE * MARK SUENNEN No. 11481 * LICENSED PROFESSIONAL ENGINEER

SIGNATURE	# 11481	
P.E. NUMBER	9/31/2021	
DATE		

PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	DJS	8/31/2021
CHECKED-REVIEWED	DJS	8/31/2021
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

ITS PLANS - PVMS #1

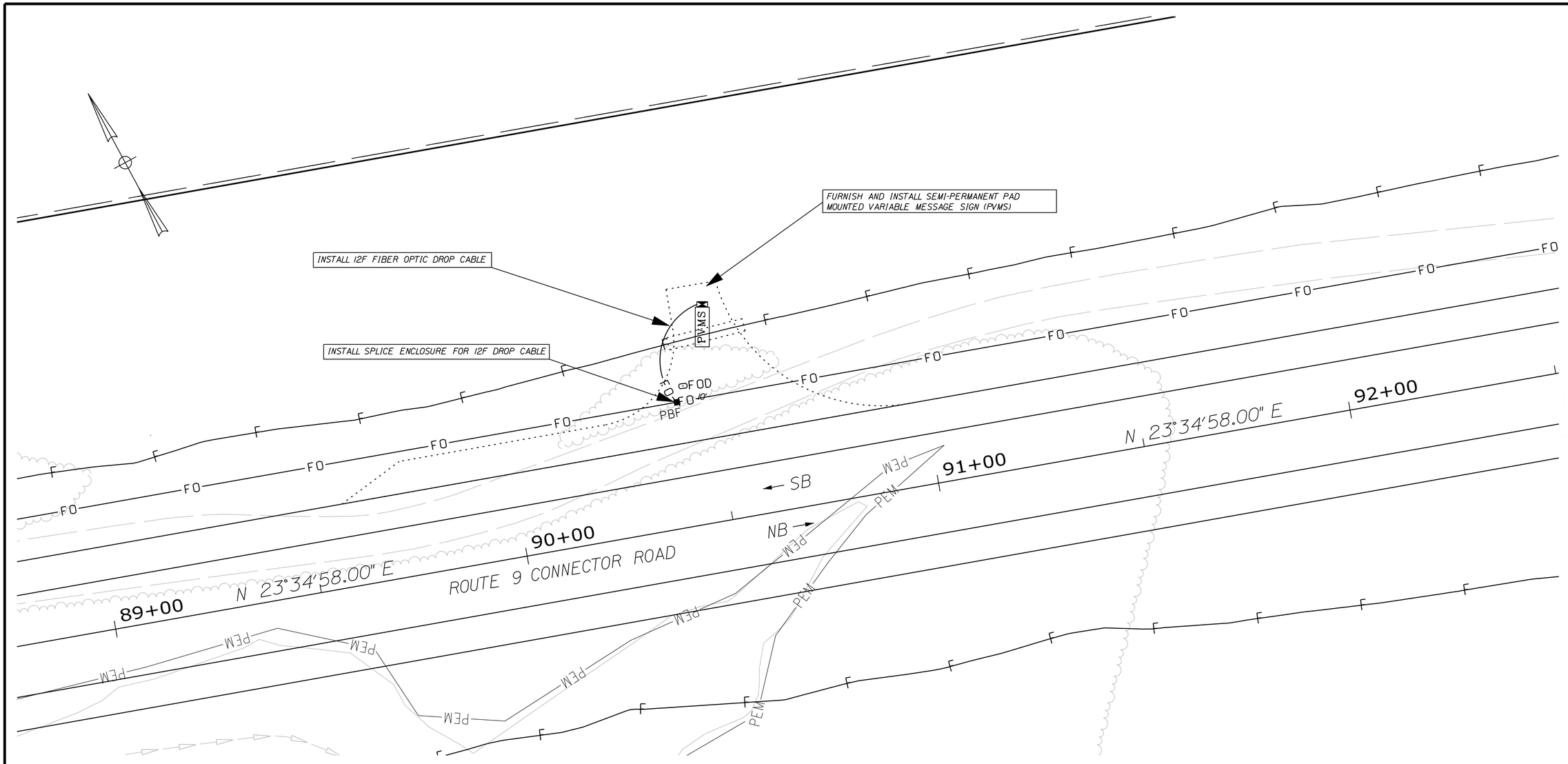
SHEET NUMBER

IT15

OF 18

Filename: ...\planset\IT14_PVMS1 PLAN_15.dgn Division: HIGHWAY Username: jorobert Date:8/31/2021

Filename: ...\plonset\IT15_PVMS2 PLAN_16.dgn Username: jorobert Division: HIGHWAY Date:8/31/2021



LIST OF MAJOR ITEMS

ITEM NO.	EQUIPMENT AND WORK ITEMS	QUANTITY
626.22	NON-METALLIC CONDUIT (2-INCH)	34 LF
626.35	CONTROLLER CABINET FOUNDATION	1 EA
645.3065	FIBER OPTIC DELINEATOR	1 EA
654.223	SEMI-PERMANENT PAD-MOUNTED VARIABLE MESSAGE SIGN	1 EA
654.31	ITS EQUIPMENT CABINET	1 EA
654.311	FIBER ETHERNET SWITCH	1 EA
654.3331	FIBER OPTIC PATCH PANEL (12 POSITION)	1 EA
654.3332	SPLICE ENCLOSURE	1 EA
654.3333	SINGLE MODE FIBER OPTIC CABLE (12 STRAND)	158 LF
654.3334	FIBER OPTIC SPLICE	24 EA
654.3335	FIBER OPTIC SPLICE VAULT	1 EA

NOTES

1. ITS EQUIPMENT CABINET MOUNTED EXTERNAL TO THE SEMI-PERMANENT PAD MOUNTED VARIABLE MESSAGE SIGN (PVMS) TO ENCLOSE (1GBPS) FIBER OPTIC ETHERNET SWITCH AND FIBER OPTIC PATCH PANEL.
2. PROVIDE NON-METALLIC FLEXIBLE CONDUIT CONNECTION BETWEEN ITS EQUIPMENT CABINET AND PVMS CONTROL CABINET. CONTRACTOR SHALL PROVIDE ETHERNET CONNECTION FROM PVMS TO THE FIBER OPTIC ETHERNET SWITCH FOR REMOTE CONTROL AND MONITORING OF THE PVMS.
3. SEE ITS DETAILS FOR ADDITIONAL INFORMATION REGARDING THE PVMS LEVELING PAD, ITS EQUIPMENT CABINET, AND FIBER OPTIC CABLE SPLICING.

LEGEND

- CLOSED CIRCUIT TELEVISION CAMERA (CCTV)
- CONTROL CABINET
- PBE - ELECTRIC PULL BOX
- PBF - FIBER OPTIC PULL BOX
- FOD - FIBER OPTIC DELINEATOR
- FO - FIBER OPTIC CABLE
- METER PEDESTAL
- PVMS - PORTABLE VARIABLE MESSAGE SIGN (PVMS)
- ROAD WEATHER INFORMATION SYSTEM (RWIS)
- SOLAR PANEL

PLAN

12.5 0 12.5 25
Scale of Feet

vhb

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1891(500)

WIN
018915.00

ITS PLANS

STATE OF MAINE * MARK SUENNEN No. 11481 LICENSED PROFESSIONAL ENGINEER *

MARK SUENNEN # 11481 SIGNATURE
8/31/2021 P.E. NUMBER
DATE

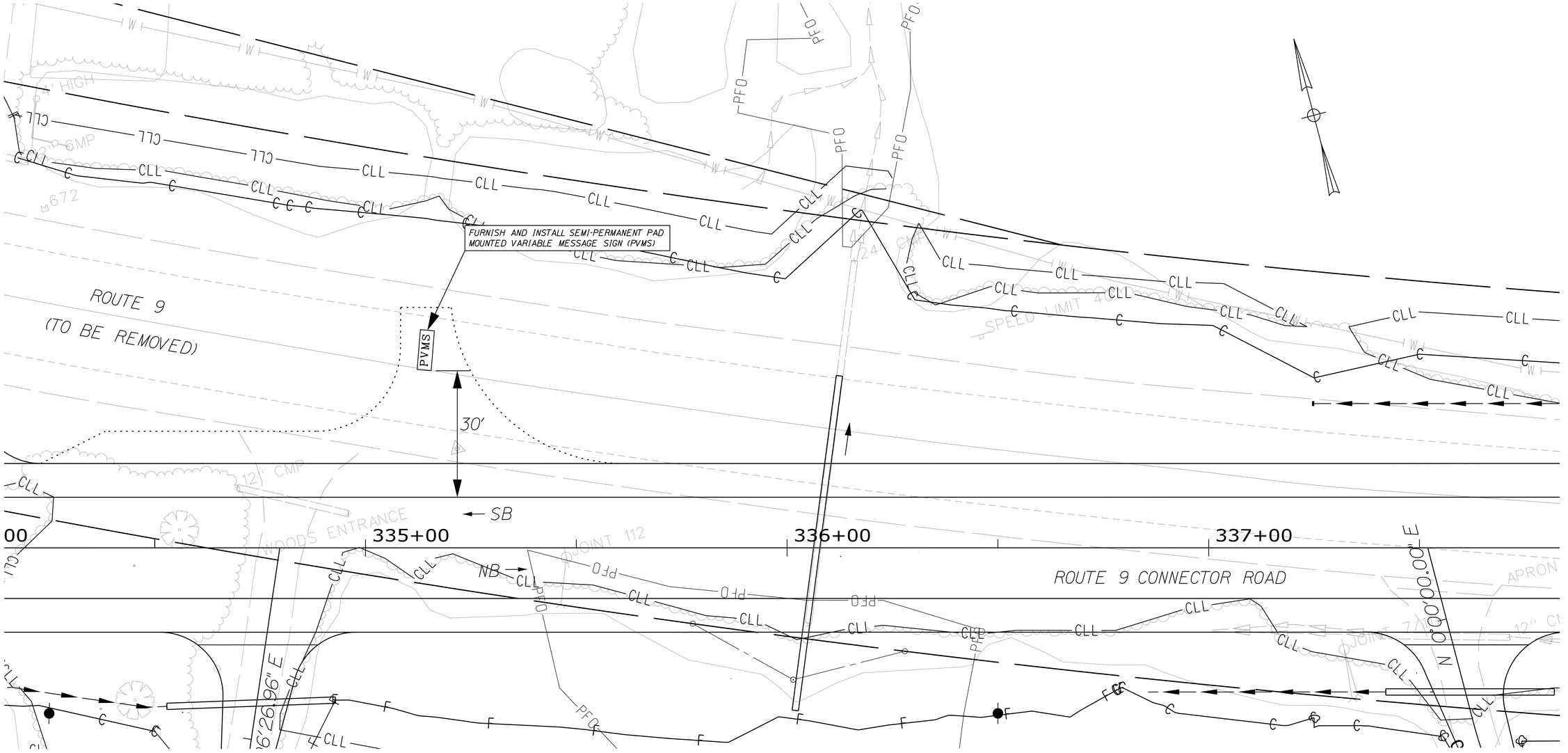
PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	DJS	JAR	8/31/2021
CHECKED-REVIEWED	DJS	MDS	8/31/2021
DESIGN2-DETAILED2	DJS		
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

ITS PLANS - PVMS #2

SHEET NUMBER
IT16
OF 18

Filename: ...\plonset\IT16_PVMS3 PLAN_17.dgn Username: jorobert Division: HIGHWAY Date:8/31/2021



LIST OF MAJOR ITEMS

ITEM NO.	EQUIPMENT AND WORK ITEMS	QUANTITY
654.223	SEMI PERMANENT PAD-MOUNTED VARIABLE MESSAGE SIGN	1 EA

NOTES

1. SEE ITS DETAILS FOR ADDITIONAL INFORMATION REGARDING THE PVMS LEVELING PAD.

LEGEND

- CLOSED CIRCUIT TELEVISION CAMERA (CCTV)
- CONTROL CABINET
- PBE - ELECTRIC PULL BOX
- PBF - FIBER OPTIC PULL BOX
- FOD - FIBER OPTIC DELINEATOR
- —FO— - FIBER OPTIC CABLE
- METER PEDESTAL
- PVMS - PORTABLE VARIABLE MESSAGE SIGN (PVMS)
- ROAD WEATHER INFORMATION SYSTEM (RWIS)
- SOLAR PANEL

PLAN

12.5 0 12.5 25
Scale of Feet

vhb

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1891(500)

WIN
018915.00

ITS PLANS

STATE OF MAINE * MARK SUENEN No. 11481 LICENSED PROFESSIONAL ENGINEER *

SIGNATURE # 11481

P.E. NUMBER 8/31/2021

DATE

	BY	DATE
PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	DJS	8/31/2021
CHECKED-REVIEWED	DJS	8/31/2021
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

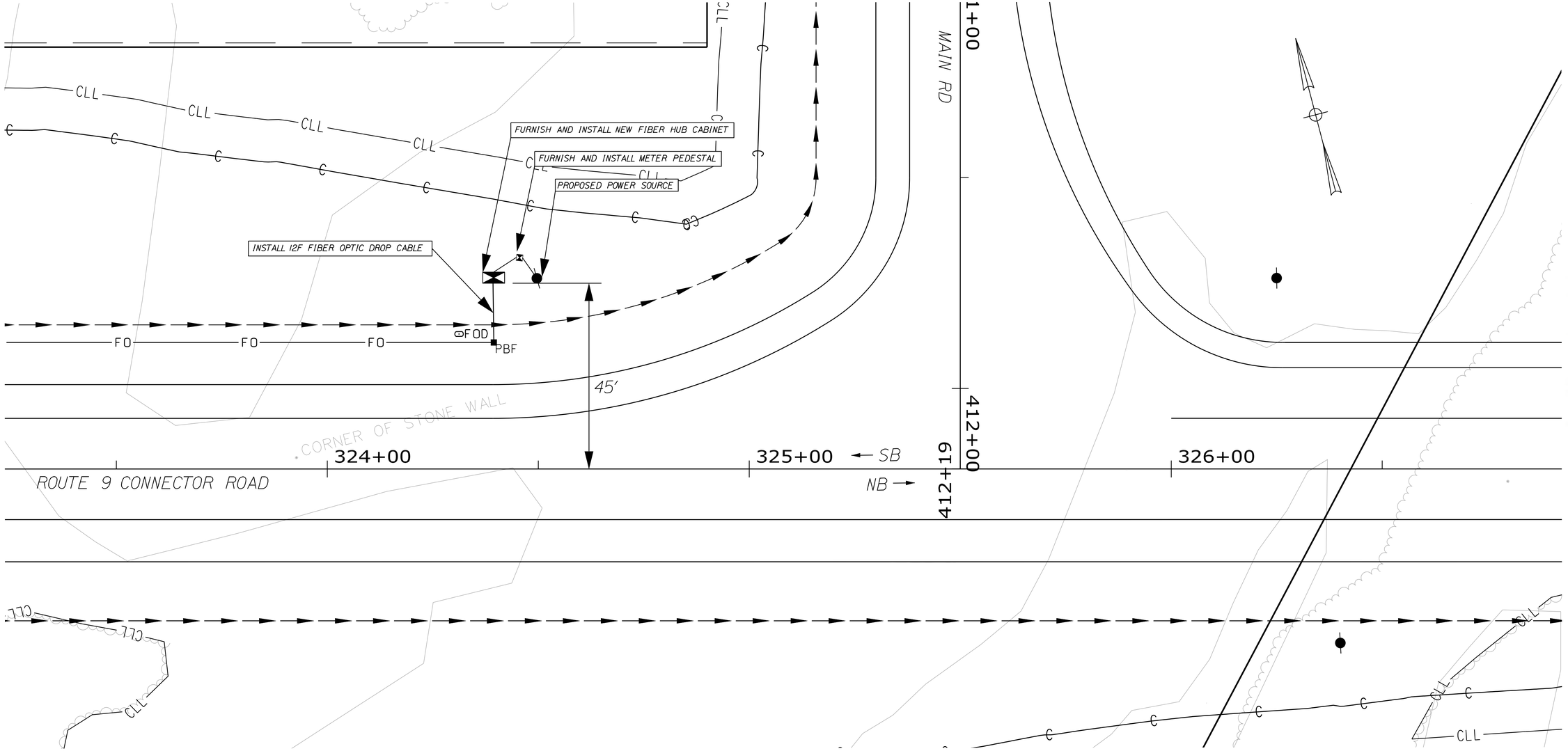
BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

ITS PLANS - PVMS #3

SHEET NUMBER

IT17

OF 18



LIST OF MAJOR ITEMS

ITEM NO.	EQUIPMENT AND WORK ITEMS	QUANTITY
626.11	PRECAST CONCRETE JUNCTION BOX	2 EA
626.21	METALLIC CONDUIT	25 LF
626.22	NON-METALLIC CONDUIT (2-INCH)	15 LF
626.221	NON-METALLIC CONDUIT, CONCRETE ENCASED	15 LF
626.35	CONTROLLER CABINET FOUNDATION	1 EA
645.3065	FIBER OPTIC DELINEATOR	1 EA
654.31	ITS EQUIPMENT CABINET	1 EA
654.311	FIBER ETHERNET SWITCH	1 EA
654.312	UNINTERRUPTIBLE POWER SUPPLY (UPS)	1 EA
654.3331	FIBER OPTIC PATCH PANEL (12 POSITION)	1 EA
654.3332	SPLICE ENCLOSURE	1 EA
654.3333	SINGLE MODE FIBER OPTIC CABLE (24 STRAND)	141 LF
654.3334	FIBER OPTIC SPLICE	24 EA
654.3335	FIBER OPTIC SPLICE VAULT	1 EA

NOTES

1. INSTALLATION OF UNDERGROUND ELECTRICAL CONDUITS SHALL BE IN ACCORDANCE WITH THE CURRENT VERSION OF UTILITY POLICY 2016-2, PROTECTION OF MAINEDOT OWNED UNDERGROUND ELECTRICAL SERVICE CONNECTIONS AND THE CURRENT VERSION OF THE MAINEDOT UTILITY ACCOMMODATION RULES.
2. SEE ITS DETAILS FOR ADDITIONAL INFORMATION REGARDING THE ITS EQUIPMENT CABINET AND FIBER OPTIC CABLE SPLICING.
3. VERSANT POWER WORK ORDER:
   ACCNT #000000001063345I-1
   ISSUE # 1051042

LEGEND

- CLOSED CIRCUIT TELEVISION CAMERA (CCTV)
- CONTROL CABINET
- PBE - ELECTRIC PULL BOX
- PBF - FIBER OPTIC PULL BOX
- FOD - FIBER OPTIC DELINEATOR
- FO - FIBER OPTIC CABLE
- METER PEDESTAL
- PVMS - PORTABLE VARIABLE MESSAGE SIGN (PVMS)
- ROAD WEATHER INFORMATION SYSTEM (RWIS)
- SOLAR PANEL

PLAN

12.5 0 12.5 25
Scale of Feet

vhb

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1891(500)

WIN
018915.00

ITS PLANS

STATE OF MAINE
MARK SUENNEN
No. 11481
LICENSED PROFESSIONAL ENGINEER

SIGNATURE
11481
P.E. NUMBER
8/31/2021
DATE

	R. MOULTON	DATE
PROJ. MANAGER		
DESIGN-DETAILED	DJS	8/31/2021
CHECKED-REVIEWED	DJS	8/31/2021
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

ITS PLANS - FIBER HUB

SHEET NUMBER

IT18

OF 18

Filename: ...\IT17_ITS CAB PLAN_18.dgn Division: HIGHWAY Username: jorobert Date:8/31/2021

Filename: ...\dgn\LS01_Lighting_01.dgn Division: HIGHWAY Username: morin Date:9/8/2021

LEGEND for LIGHTING

- Existing Control Cabinet and Service
- New Lighting Conduit
- Existing Conduit
- JB — Pull Box
- CNTRL — Existing Junction Box
- Direction of Luminaire — Light Fixture on a 40 Foot Pole and Concrete Foundation
- Double Light Fixture on a 40 Foot Pole and Concrete Foundation
- Existing Light Fixture, Pole and Foundation — Approximate Location, To Be Removed

SCHEDULE

SYMBOL	LABEL	QUANTITY	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	NUMBER LAMPS	FILENAME	LUMENS PER LAMP	LIGHT LOSS FACTOR	WATTAGE
	A	50	AMERICAN ELECTRIC LIGHTING	ATB0 P203 R3 4K	AUTOBAHN SMALL P203 PACKAGE ROADWAY TYPE III 4000K	1	ATB0 P203 R3 4K.IES	10259	0.85	70
	B	3	AMERICAN ELECTRIC LIGHTING	ATB0 P202 R3 4K	AUTOBAHN SMALL P202 PACKAGE ROADWAY TYPE III 4000K	2	ATB0 P202 R3 4K.IES	7237	0.85	98
	C	15	AMERICAN ELECTRIC LIGHTING	ATB0 P202 R3 4K	AUTOBAHN SMALL P202 PACKAGE ROADWAY TYPE III 4000K	1	ATB0 P202 R3 4K.IES	7237	0.85	49
	D	1	AMERICAN ELECTRIC LIGHTING	ATB0 P204 R3 4K	AUTOBAHN SMALL P204 PACKAGE ROADWAY TYPE III 4000K	1	ATB0 P204 R3 4K.IES	12469	0.85	88

REMOVE

'A' POLE B1 2003+00, 43.0' LT

'A' POLE B2 2004+25, 49.0' LT

'A' POLE B3 2005+50, 51.0' LT

'A' POLE B4 2006+75, 51.0' LT

'A' POLE B5 2008+00, 53.0' LT

'A' POLE NB1 30+08, 19.0' RT

'A' POLE NB2 32+54, 15.0' RT

'A' POLE A1 602+50, 15.0' RT

'A' POLE A2 605+00, 15.0' RT

2001+00 2002+00 2003+00 2004+00 2005+00 2006+00 2007+00 2008+00

26+00 27+00 28+00 29+00 30+00 31+00 32+00 33+00

1001+00 1002+00 1003+00 1004+00 1005+00 1006+00 1007+00 1008+00

600+00 601+00 602+00 603+00 604+00 605+00 606+00

4018+00 4019+00

STATISTICS

DESCRIPTION	AVG	MAX	MIN	MAX/MIN	AVG/MIN
RAMP A DIVERGE	0.8 fc	1.2 fc	0.5 fc	2.4:1	1.6:1
RAMP B MERGE	0.8 fc	1.0 fc	0.4 fc	2.5:1	2.0:1
RAMP C MERGE	1.0 fc	1.2 fc	0.4 fc	3.0:1	2.5:1
RAMP D DIVERGE	0.9 fc	1.3 fc	0.4 fc	3.3:1	2.3:1
RAMP E DIVERGE	0.8 fc	1.2 fc	0.4 fc	3.0:1	2.0:1
RAMP F MERGE	0.9 fc	1.2 fc	0.4 fc	3.0:1	2.3:1
RAMPS C-D	0.6 fc	1.0 fc	0.3 fc	3.3:1	2.0:1
RAMPS E-F	0.8 fc	1.2 fc	0.3 fc	4.0:1	2.7:1
ROUTE 1A EAST	0.6 fc	1.1fc	0.2 fc	5.5:1	3.0:1
ROUTE 395 EB 28+50-48+50	0.8 fc	1.2 fc	0.4 fc	3.0:1	2.0:1
EDDINGTON 9B INTERSECTION	0.6 fc	1.3 fc	0.2 fc	6.5:1	3.0:1

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891(500)

WIN 018915.00

HIGHWAY PLANS

STATE OF MAINE ALBERT L GODFREY No. 4226 REGISTERED PROFESSIONAL ENGINEER

SIGNATURE

4226 P.E. NUMBER

9/7/21 DATE

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

DATE	BY
8/21	MSM
8/21	

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

LIGHTING PLAN

SHEET NUMBER

LS1

OF 56

Filename: ...\dgn\LS02_Lighting_02.dgn Division: HIGHWAY Username: morin Date:9/8/2021

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891(500)

WIN
018915.00

HIGHWAY PLANS

STATE OF MAINE
ALBERT L. GODFREY
No. 4226
REGISTERED PROFESSIONAL ENGINEER

SIGNATURE

4226
P.E. NUMBER

9/7/21
DATE

	R. MOULTON	DATE
PROJ. MANAGER		
DESIGN-DETAILED	ALG	8/21
CHECKED-REVIEWED	ALG	8/21
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

LIGHTING PLAN

SHEET NUMBER

LS2

OF 56

LEGEND for LIGHTING

- Existing Control Cabinet and Service
- New Lighting Conduit
- Existing Conduit
- JB — Pull Box
- CNTRL — Existing Junction Box
- Direction of Luminaire — Light Fixture on a 40 Foot Pole and Concrete Foundation
- Double Light Fixture on a 40 Foot Pole and Concrete Foundation
- Existing Light Fixture, Pole and Foundation
  Approximate Location, To Be Removed

Filename: ...\dgn\LS03_Lighting_03.dgn Division: HIGHWAY Username: morin Date:9/8/2021

JB2
JB3
JB4
JB5
JB6
JB7
JB8
4008+00
4009+00
4010+00
4011+00
'C' POLE SB1 2016·75, 39.0' LT
'C' POLE SB2 3020·82, 15.0' RT
'C' POLE SB3 3019·60, 15.0' RT
REMOVE
18' X 45' CULVERT
3018+00
3019+00
3020+00
3021+00
2014+00
2015+00
2016+00
2017+00
2018+00
2019+00
2020+03
2020+00
1015+00
1016+00
1017+00
1018+00
1019+00
1020+00
40+00
41+00
42+00
43+00
44+00
45+00
46+00
'A' POLE NB5 39·44, 1.0' LT
'A' POLE NB6 41·26, 36.0' RT
'C' POLE NB7 42·50, 32.0' RT
'C' POLE NB8 43·77, 29.0' RT
'A' POLE NB9 45·51, 27.0' RT
24" x 88' RCP
613+00
614+00
615+00
616+00
617+00
618+00
619+00
620+00
STA. 617+25.00
END FULL CONSTRUCTION
BEGIN MILL AND FILL

LEGEND for LIGHTING

- Existing Control Cabinet and Service
- New Lighting Conduit
- Existing Conduit
- JB — Pull Box
- CNTRL — Existing Junction Box
- Direction of Luminaire — Light Fixture on a 40 Foot Pole and Concrete Foundation
- Double Light Fixture on a 40 Foot Pole and Concrete Foundation
- Existing Light Fixture, Pole and Foundation — Approximate Location, To Be Removed

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891(500)

WIN 018915.00

HIGHWAY PLANS

STATE OF MAINE — ALBERT L. GODFREY — No. 4226 — REGISTERED PROFESSIONAL ENGINEER

SIGNATURE
4226
P.E. NUMBER
9/7/21
DATE

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

	DATE
	8/21
	8/21

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

LIGHTING PLAN

SHEET NUMBER

LS3

OF 56

Filename: ...\dgn\LS04_Lighting_04.dgn Division: HIGHWAY Username: morin Date:9/8/2021

STA. 919+00
STA. 918+00
STA. 917+00
STA. 917+00.00
RAMP D
LIMIT OF WORK
STA. 300+29.00
BEGIN MILL AND FILL
300+00
300+50
301+00
302+00
303+00
304+00
507+00
508+00
509+00
510+00
511+00
512+00
513+00
4002+00
4003+00
4004+00
4005+00
4006+00
4007+00
STA. 4003+50.00
RAMP B
LIMIT OF WORK
JB
SPARE CONDUIT
REMOVE
REMOVE
JB
45°

NOTE:
CONNECT BRANCHES 'A', 'B', 'NB' AND 'SB' THROUGH SPARE CONDUIT INSTALLED IN WIN 18915.20 TO EXISTING CONTROL CABINET AT STA. 506+75 RT. THIS CIRCUIT WILL BE 'WEST CIRCUIT 3' IN THAT CABINET.

LEGEND for LIGHTING

- Existing Control Cabinet and Service
- New Lighting Conduit
- Existing Conduit
- JB — Pull Box
- CNTRL — Existing Junction Box
- Direction of Luminaire — Light Fixture on a 40 Foot Pole and Concrete Foundation
- Double Light Fixture on a 40 Foot Pole and Concrete Foundation
- Existing Light Fixture, Pole and Foundation
  Approximate Location, To Be Removed

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1891(500)

WIN
018915.00

HIGHWAY PLANS

STATE OF MAINE — ALBERT L. GOSTIN — No. 4226 — LICENSED PROFESSIONAL ENGINEER

SIGNATURE
4226
P.E. NUMBER
9/7/21
DATE

	BY	DATE
PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	ALG	8/21
CHECKED-REVIEWED	ALG	8/21
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

LIGHTING PLAN

SHEET NUMBER

LS4

OF 56

Filename: ...\dgn\LS05_Lighting_05.dgn Division: HIGHWAY Username: morin Date:9/8/2021

REMOVE

REMOVE

18" X 45' CULVERT

REMOVE

24" X 136' RCP

18" X 64' CULVERT

6" X 315' UD

6" X 54' UD

'A' POLE D2 907+75, 25.0' LT

'A' POLE D3 906+50, 25.0' LT

'A' POLE NB10 46+75, 32.0' RT

'A' POLE NB11 48+00, 37.0' RT

'A' POLE E1 515+50, 38.0' RT

'A' POLE E2 700+25, 16.0' RT

EXISTING JB

EXISTING CONDUIT

NOTE: CONNECT BRANCHES 'D' AND 'E' TO EXISTING EAST CIRCUIT 'I' AT POLE 29 AT STA 517+00, 39.0' LT. INSTALLED IN WIN 18915.20.

LEGEND for LIGHTING

- Existing Control Cabinet and Service
- New Lighting Conduit
- Existing Conduit
- JB — Pull Box
- CNTRL — Existing Junction Box
- Direction of Luminaire — Light Fixture on a 40 Foot Pole and Concrete Foundation
- Double Light Fixture on a 40 Foot Pole and Concrete Foundation
- Existing Light Fixture, Pole and Foundation — Approximate Location, To Be Removed

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891(500)

WIN 018915.00

HIGHWAY PLANS

STATE OF MAINE — ALBERT L GODFREY No. 4226 — LICENSED PROFESSIONAL ENGINEER

	BY	DATE
PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	ALG	8/21
CHECKED-REVIEWED	MSM	8/21
DESIGN2-DETAILED2	ALG	
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

4226
P.E. NUMBER

9/7/21
DATE

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

LIGHTING PLAN

SHEET NUMBER

LS5

OF 56

Filename: ...\dgn\LS06_Lighting_06.dgn Division: HIGHWAY Username: morin Date:9/8/2021

'A' POLE D4 905-25, 25.0' LT

'A' POLE D5 904-15, 26.5' LT

'A' POLE D6 902-50, 15.0' RT

'A' POLE D7 901-23, 15.0' RT

'A' POLE D8 900-00, 15.0' RT

'A' POLE D9 60-25, 39.0' LT

'A' POLE E3 701-50, 15.0' RT

'A' POLE E4 702-75, 15.0' RT

'B' POLE E5 703-85, 25.0' LT

'A' POLE E6 705-00, 15.0' RT

'A' POLE E7 706-25, 15.0' RT

JB9 JB10 JB11 JB12 JB13

136" RCP

128" RCP

24" X 128" RCP

LEGEND for LIGHTING

- Existing Control Cabinet and Service
- New Lighting Conduit
- Existing Conduit
- JB — Pull Box
- CNTRL — Existing Junction Box
- Direction of Luminaire — Light Fixture on a 40 Foot Pole and Concrete Foundation
- Double Light Fixture on a 40 Foot Pole and Concrete Foundation
- Existing Light Fixture, Pole and Foundation — Approximate Location, To Be Removed

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891(500)

WIN 018915.00

HIGHWAY PLANS

STATE OF MAINE — ALBERT L. GODFREY No. 4226 — LICENSED PROFESSIONAL ENGINEER

SIGNATURE

4226 P.E. NUMBER

9/7/21 DATE

	BY	DATE
PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	ALC	8/21
CHECKED-REVIEWED	ALC	8/21
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

LIGHTING PLAN

SHEET NUMBER

LS6

OF 56

'A'
POLE D9
60+25, 39.0' LT

'C'
POLE D10
61+50, 39.0' LT

'C'
POLE D11
63+75, 37.0' LT

'C'
POLE D12
65+00, 32.0' LT

'C'
POLE D13
66+25, 27.0' LT

60+00

61+00

62+00

'B'
POLE F5
62+00, 27.0' RT

63+00

64+00

65+00

66+00

96" X 152" RCP

JB15

JB14

813+00

814+00

815+00

815+67

812+00

811+00

810+00

'A'
POLE F6
813+95, 15.0' RT

'C'
POLE F7
815+20, 15.0' RT

'C'
POLE F8
65+75, 39.0' RT

'A'
POLE F4
811+50, 15.0' RT

'A'
POLE F3
810+30, 15.0' RT

LEGEND for LIGHTING

- Existing Control Cabinet and Service
- New Lighting Conduit
- Existing Conduit
- JB — Pull Box
- CNTRL — Existing Junction Box
- Direction of Luminaire — Light Fixture on a 40 Foot Pole and Concrete Foundation
- Double Light Fixture on a 40 Foot Pole and Concrete Foundation
- Existing Light Fixture, Pole and Foundation — Approximate Location, To Be Removed

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891(500)

WIN
018915.00

HIGHWAY PLANS

STATE OF MAINE — ALBERT L. GODFREY — No. 4226 — LICENSED PROFESSIONAL ENGINEER

SIGNATURE

4226
P.E. NUMBER

9/7/21
DATE

	BY	DATE
R. MOULTON	MSM	8/21
PROJ. MANAGER		
DESIGN-DETAILED	ALG	8/21
CHECKED-REVIEWED		
DESIGN2-DETAILED2	ALG	
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

LIGHTING PLAN

SHEET NUMBER

LS7

OF 56

Filename: ...\dgn\LS07_Lighting_07.dgn Division: HIGHWAY Username: morin Date:9/8/2021

Filename: ...\dgn\LS08_Lighting_08.dgn Division: HIGHWAY Username: morin Date:9/8/2021

'C'
POLE DI3
66+25, 27.0' LT

96" x 152" RCP

67+00

68+00

69+00

70+00

71+00

72+00

73+00

'C'
POLE F9
67+00, 39.0' RT

'A'
POLE F10
68+25, 39.0' RT

'A'
POLE F11
69+50, 33.0' RT

LEGEND for LIGHTING

- Existing Control Cabinet and Service
- New Lighting Conduit
- Existing Conduit
- JB — Pull Box
- CNTRL — Existing Junction Box
- Direction of Luminaire — Light Fixture on a 40 Foot Pole and Concrete Foundation
- Double Light Fixture on a 40 Foot Pole and Concrete Foundation
- Existing Light Fixture, Pole and Foundation
  Approximate Location, To Be Removed

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891(500)

WIN
018915.00

HIGHWAY PLANS

STATE OF MAINE
ALBERT L. GODSEY
No. 4226
LICENSED
PROFESSIONAL ENGINEER

SIGNATURE
4226
P.E. NUMBER
9/7/21
DATE

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

BY	DATE
MSM	8/21
	8/21

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

LIGHTING PLAN

SHEET NUMBER

LS8

OF 56

LEGEND for LIGHTING

- Existing Control Cabinet and Service
- New Lighting Conduit
- Existing Conduit
- JB — Pull Box
- CNTRL — Existing Junction Box
- Direction of Luminaire — Light Fixture on a 40 Foot Pole and Concrete Foundation
- Double Light Fixture on a 40 Foot Pole and Concrete Foundation
- Existing Light Fixture, Pole and Foundation
  Approximate Location, To Be Removed

911+00
912+00
913+00
914+00
915+00
916+00
3009+00
3008+00
3010+00
3007+00
3006+00
3005+00
3011+00
3012+00
3013+00
910+00
909+00
908+00
907+00
00+606
00+806
'A' POLE D1
909+00, 25.0' LT
'A' POLE D2
907+75, 25.0' LT
STA. 3012+00.00
END MILL AND FILL
BEGIN FULL CONSTRUCTION
00+29.95
N MILL

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891(500)

WIN
018915.00

HIGHWAY PLANS

STATE OF MAINE — ALBERT L. COFFEY — No. 4226 — LICENSED PROFESSIONAL ENGINEER

SIGNATURE

P.E. NUMBER
4226

DATE
9/7/21

PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	ALG	MSM	8/21
CHECKED-REVIEWED	ALG		8/21
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

LIGHTING PLAN

SHEET NUMBER

LS9

OF 56

Filename: ...\dgn\LS09_Lighting_09.dgn Division: HIGHWAY Username: morin Date:9/8/2021

Filename: ...\dgn\LS10_Lighting_10.dgn Division: HIGHWAY Username: morin Date:9/8/2021

'A'
POLE E2
700+25.16.0' RT

'A'
POLE E1
51+50. 38.0' RT

6" X 54" UD

NOTE:
CONNECT BRANCHES 'D' AND 'E' TO
EXISTING 'EAST CIRCUIT 1' AT POLE
29 AT STA. 517+00. 39.0' LT.
INSTALLED IN WIN 18915.20.

'A'
POLE EF8
718+85. 15.0' RT

JB18

JB19

'B'
POLE EF9
523+05. 32.0' LT

EXISTING JB

EXISTING CONDUIT

EXISTING JB

EXISTING
CABINET

EXISTING JB

NOTE:
CONNECT BRANCHES 'F' AND 'EF'
THROUGH SPARE CONDUIT
INSTALLED IN WIN 18915.20 TO
EXISTING CONTROL CABINET AT STA.
518+50 RT. THIS CIRCUIT WILL BE
'EAST CIRCUIT 2' IN THAT CABINET.

STA. 625+00.00
RAMP A
LIMIT OF WORK

POWER SOURCE

50+00 51+00 52+00 517+00 518+00 519+00 520+00 521+00 522+00 523+00 624+00 625+00 626+00 627+00 628+00 700+00 717+00 718+00 719+00 720+00 721+00 622+00 623+00

LEGEND for LIGHTING

- Existing Control Cabinet and Service
- New Lighting Conduit
- Existing Conduit
- JB — Pull Box
- CNTRL — Existing Junction Box
- Direction of Luminaire — Light Fixture on a 40 Foot Pole and Concrete Foundation
- Double Light Fixture on a 40 Foot Pole and Concrete Foundation
- Existing Light Fixture, Pole and Foundation
  Approximate Location, To Be Removed

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891(500)

WIN
018915.00

HIGHWAY PLANS

STATE OF MAINE
ALBERT L. GOSSELIN
No. 4229
REGISTERED
PROFESSIONAL ENGINEER

SIGNATURE
4226
P.E. NUMBER
9/7/21
DATE

	BY	DATE
R. MOULTON	MSM	8/21
PROJ. MANAGER	ALG	8/21
DESIGN-DETAILED		
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

LIGHTING PLAN

SHEET NUMBER

LS10

OF 56

'A'
POLE EF5
713+60, 15.0' RT

'A'
POLE EF6
714+90, 15.0' RT

'A'
POLE EF7
716+30, 15.0' RT

18" x 96" RCP

'A'
POLE EF10
524+25, 33.0' LT

'B'
POLE EF9
523+05, 32.0' LT

'A'
POLE EF12
801+00, 15.0' RT

'A'
POLE EF11 00+008
526+80, 34.0' LT

JB18
JB19
JB20
JB21

803+00
802+00
801+00
714+00
715+00
716+00
717+00
523+00
524+00
525+00
526+00
527+00
528+00
529+00
530+00
628+00
629+00
630+00
631+00

STA. 527+50.00
PROJ. NO. STP-1891(500)
LIMIT OF WORK

LEGEND for LIGHTING

- Existing Control Cabinet and Service
- New Lighting Conduit
- Existing Conduit
- JB — Pull Box
- CNTRL — Existing Junction Box
- Direction of Luminaire — Light Fixture on a 40 Foot Pole and Concrete Foundation
- Double Light Fixture on a 40 Foot Pole and Concrete Foundation
- Existing Light Fixture, Pole and Foundation
  Approximate Location, To Be Removed

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891(500)

WIN
018915.00

HIGHWAY PLANS

STATE OF MAINE
ALBERT L. GODFREY
No. 4226
REGISTERED PROFESSIONAL ENGINEER

SIGNATURE

P.E. NUMBER
4226

DATE
9/7/21

	R. MOULTON		
PROJ. MANAGER			
DESIGN-DETAILED	ALC	MSM	8/21
CHECKED-REVIEWED	ALC		8/21
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

LIGHTING PLAN

SHEET NUMBER

LS11

OF 56

Filename: ...\dgn\LS11_Lighting_11.dgn Division: HIGHWAY Username: morin Date:9/8/2021

LEGEND for LIGHTING

- Existing Control Cabinet and Service
- New Lighting Conduit
- Existing Conduit
- JB — Pull Box
- CNTRL — Existing Junction Box
- Direction of Luminaire — Light Fixture on a 40 Foot Pole and Concrete Foundation
- Double Light Fixture on a 40 Foot Pole and Concrete Foundation
- Existing Light Fixture, Pole and Foundation
  Approximate Location, To Be Removed

'A' POLE F3 810+30. 15.0' RT
'C' POLE F2 809+00. 15.0' RT
'C' POLE F1 807+50. 15.0' RT
JB16
JB17
'C' POLE EF2 708+85. 15.0' RT
'A' POLE EF1 707+55. 15.0' RT
'A' POLE EF7 706+25. 15.0' RT
'A' POLE EF6 [illegible]. 15.0' RT
'A' POLE EF3 711+00. 15.0' RT
'A' POLE EF4 712+30. 15.0' RT
'A' POLE EF5 713+60. 15.0' RT
810+00
808+00
807+00
806+00
805+00
804+00
803+00
802+00
00+608
709+00
710+00
711+00
712+00
713+00
714+00
708+00
707+00
706+00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891(500)

WIN 018915.00

HIGHWAY PLANS

STATE OF MAINE — ALBERT L. GODFREY No. 4226 — LICENSED PROFESSIONAL ENGINEER

ALBERT L GODFREY
SIGNATURE
4226
P.E. NUMBER
9/7/21
DATE

	BY	DATE
R. MOULTON		
PROJ. MANAGER	MSM	8/21
DESIGN-DETAILED	ALG	8/21
CHECKED-REVIEWED	ALG	
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

LIGHTING PLAN

SHEET NUMBER

LS12

OF 56

Filename: ...\dgn\LS12_Lighting_12.dgn Division: HIGHWAY Username: morin Date:9/8/2021

LEGEND for LIGHTING

- Existing Control Cabinet and Service
- New Lighting Conduit
- Existing Conduit
- JB — Pull Box
- CNTRL — Existing Junction Box
- Direction of Luminaire — Light Fixture on a 40 Foot Pole and Concrete Foundation
- Double Light Fixture on a 40 Foot Pole and Concrete Foundation
- Existing Light Fixture, Pole and Foundation
  Approximate Location, To Be Removed

18" x 100' RCP

24" x 92' RCP

24" x 50' OPT. III

'D'
POLE 9B-1
STA. 411+50, 42.0' LT.
45' CLASS 3 WOOD POLE.
MOUNT LIGHTING CABINET
AND METER ON POLE.

POWER SOURCE

18" x 40' CULVERT

6001+00 6002+00 6003+00 6004+00 6005+00 6006+00 323+00 324+00 325+00 326+00 327+00 328+00 329+00 410+00 411+00 412+00 412+19

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891(500)

WIN 018915.00

HIGHWAY PLANS

STATE OF MAINE — ALBERT L. GODFREY — No. 4226 — LICENSED PROFESSIONAL ENGINEER

P.E. NUMBER 4226

SIGNATURE

9/7/21

DATE

	BY	DATE
PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	ALG	8/21
CHECKED-REVIEWED	ALG	8/21
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

LIGHTING PLAN

SHEET NUMBER

LS13

OF 56

Filename: ...\mslo\LS13_Lighting_13.dgn Division: HIGHWAY Username: morin Date:9/6/2021

Filename: ...\LS14_Lighting Notes and Details.dgn Division: HIGHWAY Username: morin Date:9/6/2021

CONSTRUCTION NOTES - HIGHWAY LIGHTING

1. SCOPE OF WORK - INSTALL HIGHWAY LIGHTING AS SHOWN ON THESE PLANS. UTILIZE EXISTING POWER SERVICES, LIGHTING CONTROL CABINETS AND SERVICE DISCONNECT ENCLOSURES AT THE I-395 INTERCHANGE. FURNISH AND INSTALL NEW 240V POWER SERVICE, POLE-MOUNTED LIGHTING CONTROL CABINET, SERVICE DISCONNECT ENCLOSURE, AND WOOD LIGHT POLE AT INTERSECTION OF ROUTE 9 AND ROUTE 9-BUSINESS ONLY. FURNISH AND INSTALL CONDUIT, FOUNDATIONS, CONVENTIONAL LIGHT STANDARDS, L.E.D. LUMINAIRES, WIRING, AND RELATED HARDWARE. REMOVE EXISTING LIGHTING AND FOUNDATIONS WHERE NOTED ON PLANS.

2. ALL EXISTING INTERCHANGE LIGHTING SHALL REMAIN ACTIVE UNTIL THE NEW LIGHTING INSTALLATIONS ARE APPROVED BY MAINEDOT TO BE ACTIVATED.

3. EXISTING LIGHTING POLES NOTED AS 'REMOVE' ON THE LIGHTING PLANS ARE INTENDED TO HAVE EXISTING FOUNDATIONS ALSO REMOVED AS DIRECTED. PAYMENT FOR REMOVAL OF FOUNDATIONS WILL BE MADE UNDER ITEM 626.36. REMOVAL OF EXISTING LIGHT POLES AND LUMINAIRES WILL BE INCIDENTAL TO THE CONTRACT. ABANDON EXISTING CONDUIT.

4. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO APPLICABLE PROVISIONS OF THE CURRENT EDITIONS OF THE MAINE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS AND STANDARD DETAILS, NATIONAL ELECTRICAL CODE (N.E.C.) AND ANY REQUIREMENTS OF THE POWER COMPANY.

5. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING TO ENSURE AWARENESS OF SITE CONDITIONS THAT COULD AFFECT THE BID.

6. THE CONTRACTOR SHALL FIELD VERIFY POLE LOCATIONS TO AVOID NATURAL AND BUILT SITE FEATURES THAT WOULD CONFLICT WITH PROPER INSTALLATION OF POLE FOUNDATIONS.

7. THE EXISTING 240 VOLT SERVICES AND MULTI-CIRCUIT CONTROL CABINETS AT RAMP 'A' AND RAMP 'B' ARE INTENDED TO BE UTILIZED FOR POWER SERVICE AND CONTROL FOR NEW LIGHTING SHOWN ON THESE PLANS TO BE INSTALLED AT THE INTERCHANGE OF I-395 AND U.S. ROUTE 1A.

8. EXISTING WEST CIRCUIT 1 IN THE CABINET AT STA. 506+75 RIGHT CURRENTLY SERVES 16 LIGHT POLES ON RAMP 'C' AND RAMP 'D' WEST OF I-395. NO NEW LIGHTING IS INTENDED TO BE ADDED TO THAT CIRCUIT.

9. EXISTING WEST CIRCUIT 2 IN THE CABINET AT STA. 506+75 RIGHT CURRENTLY SERVES 8 LIGHT POLES ON ROUTE 1A AND RAMP 'B'. NO NEW LIGHTING IS INTENDED TO BE ADDED TO THAT CIRCUIT.

10. WEST CIRCUIT 3 IN THE CABINET AT STA. 506+75 RIGHT IS INTENDED TO SERVE THE FOLLOWING NEW LIGHTING TO BE INSTALLED IN THIS PROJECT:
- BRANCH A (RAMP 'A') - 5 POLES
- BRANCH B (RAMP 'B') - 6 POLES
- BRANCH NB (I-395 NORTHEAST BOUND) - 11 POLES
- BRANCH SB (I-395 SOUTHWEST BOUND) - 3 POLES

11. EXISTING EAST CIRCUIT 1 IN THE CABINET AT STA. 518+50 RIGHT CURRENTLY SERVES 4 LIGHT POLES ON ROUTE 1A EAST OF I-395. THE FOLLOWING NEW LIGHTING IS INTENDED TO BE ADDED TO THAT CIRCUIT:
- BRANCH D (RAMP 'D') - 13 POLES
- BRANCH E (RAMP 'E') - 7 POLES

12. EAST CIRCUIT 2 IN THE CABINET AT STA. 518+50 RIGHT IS INTENDED TO SERVE THE FOLLOWING NEW LIGHTING TO BE INSTALLED IN THIS PROJECT:
- BRANCH F (RAMP 'F') - 11 POLES
- BRANCH EF (RAMPS 'E' AND 'F') - 12 POLES

13. THE SERVICE CABINETS, DISCONNECT ENCLOSURES AND OTHER ENCLOSURES FOR ELECTRICAL COMPONENTS SHALL BE MARKED WITH ARC HAZARD TYPE 1, 2, 3 OR 4 AND THE APPROPRIATE PPE REQUIRED.

14. LIGHTING CIRCUITS ARE TO BE PHOTOCELL ACTIVATED BY PHOTOCELLS ON THE CONTROL CABINETS.

15. NEW LIGHTING FIXTURE VOLTAGE SHALL BE 240 VOLTS.

16. LIGHTING FIXTURES SHALL BE IES FULL CUTOFF, LIGHT EMITTING DIODE (LED) FIXTURES. IES DISTRIBUTION TYPE 3. LED MODULES SHALL BE IP66 RATED.

17. INSTALL LIGHTING FIXTURES ON 40-FOOT GALVANIZED STEEL POLES, EXCEPT THE FIXTURE ON THE WOOD POLE TO BE INSTALLED AT THE INTERSECTION OF ROUTE 9 AND ROUTE 9-BUSINESS. FIXTURES SHALL ATTACH TO POLES BY A MINIMAL LENGTH HORIZONTAL GALVANIZED STEEL PIPE TENON, 2-INCH NOMINAL DIAMETER. INSTALLATION ON BRACKET ARMS WILL NOT BE ALLOWED.

18. ALL FIXTURES SHALL BE GASKETED AND HAVE SURGE PROTECTION AND A DOUBLE FUSE KIT. ALL FIXTURES SHALL BE GRAY. THE LIGHTING LAYOUT WAS DONE USING AMERICAN ELECTRIC LIGHTING 'AUTOBAHN' SERIES ATBO LUMINAIRES, CATALOG NUMBERS:

ATBO P202 R3 4K, 21 LUMINAIRES ON 18 CONVENTIONAL LIGHT STANDARDS
ATBO P203 R3 4K, 50 LUMINAIRES ON 50 CONVENTIONAL LIGHT STANDARDS
ATBO P204 R3 4K, 1 LUMINAIRE ON 1 WOOD POLE

19. LED COLOR TEMPERATURE FOR FIXTURES INSTALLED SHALL BE 4000K. IF DIFFERENT FIXTURES ARE PROPOSED, THEY SHALL BE IES FULL CUTOFF, TYPE 3 IES DISTRIBUTION LED LUMINAIRES. THE CONTRACTOR MUST DEMONSTRATE THAT THE PROPOSED FIXTURES WILL REASONABLY EQUAL THE LIGHT LEVELS AND DISTRIBUTIONS SHOWN ON THE PLANS, IN THE OPINION OF MAINEDOT.

20. ALTERNATIVE LED LUMINAIRES MUST BE OF A MAKE AND MODEL PRE-APPROVED BY MAINEDOT'S CHIEF ELECTRICIAN AND CONSISTENT WITH THE MAINTENANCE INVENTORY OF LIGHTING HARDWARE OF THE DEPARTMENT UNLESS OTHERWISE APPROVED. EVALUATION BY MAINEDOT OF ALTERNATIVE LED LUMINAIRES THAT MAY BE PROPOSED BY THE CONTRACTOR FOR SUBSTITUTION WILL REQUIRE SUBMITTAL OF THE FOLLOWING, AT MINIMUM:

IES LM-79-19 ABSOLUTE TESTING REPORT FOR THE PROPOSED ALTERNATIVE LUMINAIRE;

IES LM-80-20 TESTING REPORT FOR LED CHIPS TO BE USED IN THE ALTERNATIVE LUMINAIRE, DOCUMENTING TESTING FOR A MINIMUM OF 8500 HOURS;

IES TM-21-19 REPORT FOR PROJECTED LONG TERM LUMEN MAINTENANCE, INCLUDING INCREMENTAL LUMEN DEPRECIATION TABLE AT 25 DEGREES CELSIUS TO A MINIMUM OF 50,000 HOURS;

IES PHOTOMETRIC FILE FROM THE MANUFACTURER FOR THE PROPOSED ALTERNATIVE LUMINAIRE;

PHOTOMETRIC PLOT, OVERLAID ON THE LAYOUT OF THE LUMINAIRE LOCATIONS FOR THIS SPECIFIC PROJECT, SHOWING ILLUMINATION GRID VALUES AND ILLUMINATION STATISTICS FOR EACH OF THE LIGHTING ZONES;

VALUES OF FACTORS USED FOR CALCULATION OF THE ASSUMED LIGHT LOSS FACTOR;

SPECIFICATION DATA REGARDING OPTICS, CHROMATIC COLOR TEMPERATURE, DRIVER, SURGE PROTECTION, HOUSING AND GASKETING.

21. CONVENTIONAL LIGHT STANDARDS SHALL HAVE A MINIMUM OF FOUR ANCHOR BOLTS. TIGHTENING OF ANCHOR BOLT NUTS ON POLES WITH BREAKAWAY BASES SHALL BE AS RECOMMENDED BY THE BREAKAWAY BASE MANUFACTURER. FOR POLES WITHOUT BREAKAWAY BASES, SNUG-TIGHT CONDITION OF ANCHOR BOLTS SHALL BE DEFINED AS BETWEEN 20 AND 30 PERCENT OF THE VERIFICATION TORQUE VALUE DETERMINED BY THE FORMULA IN FHWA PUBLICATION NHI 05-036. ADDITIONAL TIGHTENING BEYOND SNUG-TIGHT CONDITION SHALL BE DONE IN ACCORDANCE WITH SECTION 634.05 OF THE MAINEDOT STANDARD SPECIFICATIONS.

22. NEW POWER SERVICE CONDUIT REQUIRED BETWEEN THE POWER SOURCE AND THE METER AT THE WOOD LIGHT POLE AT THE INTERSECTION OF ROUTE 9 AND ROUTE 9 BUSINESS SHALL BE RIGID METAL CONDUIT. OTHER NEW BURIED CONDUIT SHALL BE 2 INCH MINIMUM DIAMETER. REQUIREMENT OF LARGER CONDUIT SIZE SHALL BE DETERMINED BY THE CONTRACTOR IN ACCORDANCE WITH CONDUIT FILL REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE. ALL PVC CONDUIT IN THE HIGHWAY RIGHT OF WAY SHALL BE SCHEDULE 80 UNLESS CONCRETE-ENCASED. IF SCHEDULE 40 PVC CONDUIT ENCASED IN CONCRETE IS USED, CONCRETE ENCASEMENT WILL BE INCIDENTAL TO PAYMENT FOR CONDUIT.

23. NO NEW CONDUIT IS INTENDED TO BE INSTALLED UNDER EXISTING PAVEMENT THAT OTHERWISE IS NOT SHOWN ON THE PLANS TO BE DISTURBED BY ROADWAY RECONSTRUCTION. IF FIELD CONDITIONS REQUIRE, AND THE PROJECT RESIDENT APPROVES, CONDUIT INSTALLED UNDER EXISTING PAVEMENT THAT IS INTENDED TO REMAIN SHALL BE HYDRAULICALLY JACKED OR DIRECTIONAL BORED TO AT LEAST TEN FEET BEYOND THE EDGE OF PAVEMENT. CONDUIT INSTALLED BY THESE METHODS UNDER EXISTING PAVEMENT WILL BE PAID UNDER ITEM 626.22. NO ADDITIONAL PAYMENT WILL BE MADE FOR JACKING OR BORING. NO TRENCHING ACROSS EXISTING PAVED ROADWAY LANES OR SHOULDERS WILL BE ALLOWED. MINIMUM BURIAL DEPTH FOR ALL CONDUIT SHALL BE 36 INCHES.

24. BUSHINGS SHALL BE INSTALLED ON ALL CONDUIT TERMINATIONS.

25. PULL WIRE SHALL BE INSTALLED IN ALL NEW CONDUIT.

26. ALL EXPOSED RIGID CONDUIT FITTINGS AND HARDWARE SHALL BE GALVANIZED, EXCEPT NON-CONDUCTIVE BUSHINGS FOR CONNECTION OF RIGID METAL CONDUIT TO ALUMINUM CABINETS.

27. SECONDARY CIRCUIT WIRING SHALL BE STRANDED COPPER XHHW-2. ALL WIRING SHALL BE NO. 8 AWG OR LARGER WIRE SIZE. WIRE SIZES NOTED ON THE PLANS ARE APPROXIMATE. FINAL WIRE SIZING SHALL BE PERFORMED BY THE CONTRACTOR IN CONFORMANCE WITH N.E.C. REQUIREMENTS BASED ON ELECTRICAL LOADS OF ACTUAL ELECTRICAL COMPONENTS TO BE INSTALLED.

28. THE WIRE IN CONDUITS SHALL BE CONTINUOUS WITH NO SPLICES BETWEEN POLES. JUNCTION BOXES SHOWN ON THE PLANS ARE SHOWN IN APPROXIMATE LOCATIONS AND ARE INTENDED FOR USE ONLY AS PULL BOXES FOR WIRE PULLING ACCESS UNLESS OTHERWISE NOTED. ACTUAL NUMBER AND LOCATIONS MAY VARY AND SHALL BE SUBJECT TO APPROVAL OF THE RESIDENT PRIOR TO INSTALLATION.

29. CAP AND/OR SEAL EXPOSED ENDS OF CONDUIT TO PREVENT INTRUSION OF MOISTURE AND RODENTS.

30. BREAKAWAY DEVICES SHALL CONFORM TO THE LATEST VERSION OF "AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS" AND NCHRP REPORT 350. THE BREAKAWAY DEVICE SHALL BE DESIGNED SO THAT THE ANCHOR BOLTS WILL NOT BEND WHEN A VEHICLE HITS THE POLE. A FRANGIBLE COUPLING SUCH AS TRANSPO POLE-SAFE 5000 SERIES (WITH A FEMALE ANCHOR), THE MANITOBA SAFETY BASE WITH REACTION PLATE, OR APPROVED EQUAL SHALL BE USED.

31. ALL LIGHT POLES SHALL BE BONDED TO THE GROUNDING CONDUCTOR.

32. METAL FRAMES AND COVERS OF JUNCTION BOXES SHALL BE BONDED TO THE GROUNDING CONDUCTOR.

33. ALL FOUNDATIONS FOR CONVENTIONAL LIGHT STANDARDS SHALL HAVE A GROUND ROD LOCATED IN OR ADJACENT TO THE FOUNDATION THAT IS BONDED TO THE GROUNDING CONDUCTOR. THE GROUND WIRE FOR THE GROUND ROD SHALL EXIT THROUGH A HALF-INCH DIAMETER CONDUIT IN THE FOUNDATION. A GROUND ROD ALSO WILL BE REQUIRED TO BE INSTALLED AT THE WOOD LIGHT POLE. PAYMENT FOR GROUND RODS AND CONDUIT IN FOUNDATIONS SHALL BE INCLUDED IN ITEM 634.160, HIGHWAY LIGHTING.

34. PAYMENT UNDER ITEM 626.21 AND ITEM 626.22 WILL INCLUDE BUSHINGS, FITTINGS, PULL WIRE, AND OTHER NECESSARY HARDWARE RELATED TO THE CONDUIT.

35. PAYMENT UNDER ITEM 634.160, HIGHWAY LIGHTING, WILL INCLUDE ALL MATERIALS, LABOR AND EQUIPMENT NECESSARY TO PROVIDE A FULLY FUNCTIONING HIGHWAY LIGHTING SYSTEM EXCEPT THOSE ITEMS TO BE PAID UNDER OTHER RELATED BID ITEMS IN THE CONTRACT.

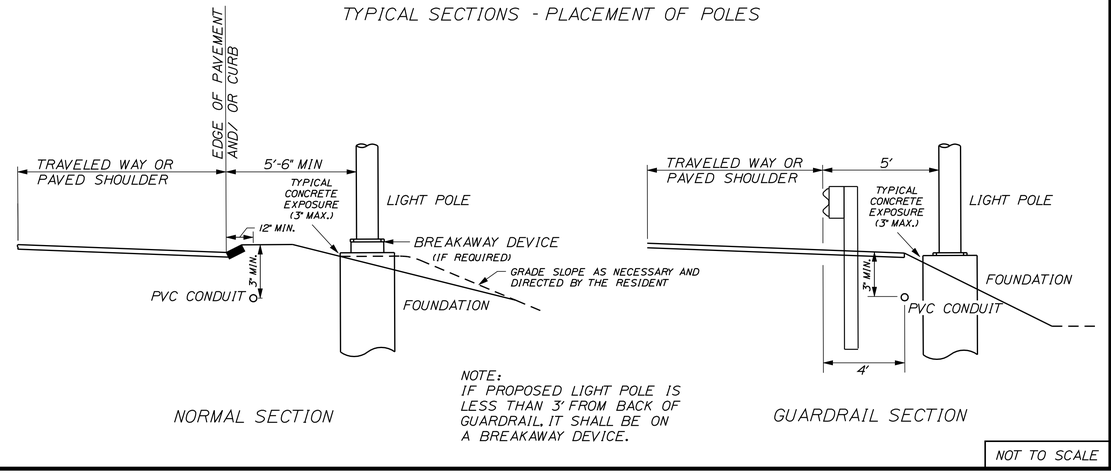
36. PAYMENT UNDER ITEM 634.210, CONVENTIONAL LIGHT STANDARD, WILL INCLUDE BUT NOT BE LIMITED TO NEW POLES, TRANSFORMER BASES, AND BREAKAWAY DEVICES, AS MAY BE REQUIRED.

37. CURING BOXES AND ALL REQUIRED CONCRETE TESTING LABOR, MATERIALS, AND EQUIPMENT FOR LIGHTING AND SIGNING FOUNDATIONS WILL BE CONSIDERED INCIDENTAL TO PAYMENT UNDER SECTION 626 FOUNDATION ITEMS.

38. STATIONING SHOWN FOR LIGHTING RELATED ITEMS IS APPROXIMATE AND MAY BE ADJUSTED BY THE RESIDENT IN THE FIELD IN CONSULTATION WITH THE ENGINEER.

39. UPON COMPLETION OF THIS PROJECT, THE CONTRACTOR SHALL FURNISH TO MAINEDOT A SET OF AS-BUILT LIGHTING PLANS FOR FUTURE REFERENCE AND SYSTEM MAINTENANCE.

TYPICAL SECTIONS - PLACEMENT OF POLES



NOT TO SCALE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891(500)

WIN 018915.00

HIGHWAY PLANS

STATE OF MAINE * REGISTERED * ALBERT L. GODFREY No. 4226 * PROFESSIONAL ENGINEER *

ALBERT L GODFREY — SIGNATURE
4226 — P.E. NUMBER
9/7/21 — DATE

PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	ALC	MSM	8/21
CHECKED-REVIEWED	ALC		8/21
DESIGN2-DETAILED2			
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REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

LIGHTING NOTES & DETAILS

SHEET NUMBER

LS14

OF 56

WEST CIRCUIT 3
BRANCHES A, B, NB & SB

WIRE SIZE: 240 VOLTS #6 AWG STRANDED COPPER XHHW-2

STATION	POLE	BREAKAWAY	DISTANCE (FT)	REMARKS: 25 FIXTURES 6.85 AMPS
EXISTING CABINET 506+75, 50' RT.	—	—	(5)	USE EXISTING SPARE CONDUIT
EXISTING JB 506+75, 45' RT.	—	—	(492)	USE EXISTING SPARE CONDUIT
EXISTING JB 4006+65, 13' RT.	—	—	308	
JB2 4009+80, 14' RT.	—	—	402	
JB1 4013+83, 14' RT.	—	—	303	
2009+25, 61' LT.	B6	YES	125	
2008+00, 53' LT.	B5	YES	125	
2006+75, 51' LT.	B4	YES	122	
2005+50, 51' LT.	B3	YES	122	
2004+25, 49' LT.	B2	YES	123	
2003+00, 43' LT.	B1	YES		
602+50, 15' RT.	A1	YES	252	
605+00, 15' RT.	A2	YES	251	
607+50, 15' RT.	A3	YES	250	
610+00, 15' RT.	A4	YES	250	
612+50, 15' RT.	A5	YES	250	
JB8 615+00, 15' RT.	—	—	44	
41+26, 36' RT.	NB6	YES		
30+08, 19' RT.	NB1	YES	248	
32+54, 15' RT.	NB2	YES	250	
35+04, 9' RT.	NB3	YES	246	
37+50, 4' RT.	NB4	YES	194	
39+44, 1' LT.	NB5	YES	15	
JB6 2014+50, 6' RT.	—	—	44	
JB5 2014+50, 38' LT.	—	—	168	
JB4 2016+18, 38' LT.	—	—		
48+00, 37' RT.	NB11	YES	125	
46+75, 32' RT.	NB10	YES	124	
45+51, 27' RT.	NB9	YES	174	
43+77, 29' RT.	NB8	YES	127	
42+50, 32' RT.	NB7	YES	124	
41+26, 36' RT.	NB6	YES	8	
JB7 41+26, 28' RT.	—	—	73	
JB4 2016+18, 38' LT.	—	—		
3019+60, 15' RT.	SB3	YES	121	
3020+82, 15' RT.	SB2	YES	128	
2016+75, 39' LT.	SB1	YES	57	
JB4 2016+18, 38' LT.	—	—	111	
JB3 4009+90, 29' LT.	—	—	44	
JB2 4009+80, 14' RT.	—	—		

EDDINGTON CIRCUIT
INTERSECTION LIGHTING

WIRE SIZE: 240 VOLTS #8 AWG STRANDED COPPER XHHW-2

STATION	POLE	BREAKAWAY	DISTANCE (FT)	REMARKS: 1 FIXTURE 0.37 AMPS
POWER SOURCE 326+25, 45' LT.	—	—	60	METALLIC CONDUIT. LENGTH INCLUDES POLE RISER.
45' CLASS 3 POLE 411+50, 42' LT.	9B-1	—		

EAST CIRCUIT 1
BRANCHES D & E

WIRE SIZE: 240 VOLTS #6 AWG STRANDED COPPER XHHW-2

STATION	POLE	BREAKAWAY	DISTANCE (FT)	REMARKS: 26 FIXTURES 6.88 AMPS
EXISTING CABINET 518+50, 28' RT.	—	—	(15)	USE EXISTING CIRCUIT 1 CONDUIT
EXISTING JB 518+65, 28' RT.	—	—	(242)	USE EXISTING CIRCUIT 1 CONDUIT
EXISTING JB 626+10, 28' LT.	—	—	(105)	USE EXISTING CIRCUIT 1 CONDUIT
EXISTING JB 520+25, 39' LT.	—	—	(75)	USE EXISTING CIRCUIT 1 CONDUIT
EXISTING POLE 519+50, 39' LT.	31	—	(124)	USE EXISTING CIRCUIT 1 CONDUIT
EXISTING POLE 518+25, 39' LT.	30	—	(124)	USE EXISTING CIRCUIT 1 CONDUIT
EXISTING POLE 517+00, 39' LT.	29	—	(6)	USE EXISTING CIRCUIT 1 CONDUIT
EXISTING JB 517+00, 45' LT.	—	—	187	
51+50, 38' RT.	E1	YES	128	
700+25, 16' RT.	E2	—	124	
701+50, 15' RT.	E3	—	125	
702+75, 15' RT.	E4	—	25	
JB11 703+00, 13' RT.	—	—	85	
JB12 703+85, 16' RT.	—	—	110	
705+00, 15' RT.	E6	—	120	
706+25, 15' RT.	E7	—		
703+85, 25' LT.	E5	YES	5	
JB13 703+85, 20' LT.	—	—	36	
JB12 703+85, 16' RT.	—	—		
909+00, 25' LT.	D1	—	131	
907+75, 25' LT.	D2	—	135	
906+50, 25' LT.	D3	—	135	
905+25, 25' LT.	D4	—	118	
904+15, 26.5' LT.	D5	—	43	
JB10 903+75, 24' LT.	—	—	87	
JB11 703+00, 13' RT.	—	—		
66+25, 27' LT.	D13	—	124	
65+00, 32' LT.	D12	—	125	
63+75, 37' LT.	D11	—	225	
61+50, 39' LT.	D10	YES	125	
60+25, 39' LT.	D9	YES	118	
900+00, 15' RT.	D8	YES	122	
901+23, 15' RT.	D7	YES	127	
902+50, 15' RT.	D6	—	125	
JB9 903+75, 13' RT.	—	—	37	
JB10 903+75, 24' LT.	—	—		
EXISTING POLE 626+00, 27' LT.	32	—	(10)	EXISTING CIRCUIT 1 CONDUIT
EXISTING JB 626+10, 28' LT.	—	—		

EAST CIRCUIT 2
BRANCHES F & EF

WIRE SIZE: 240 VOLTS #6 AWG STRANDED COPPER XHHW-2

STATION	POLE	BREAKAWAY	DISTANCE (FT)	REMARKS: 25 FIXTURES 6.43 AMPS
EXISTING CABINET 518+50, 28' RT.	—	—	(15)	USE EXISTING SPARE CONDUIT
EXISTING JB 518+65, 28' RT.	—	—	(242)	USE EXISTING SPARE CONDUIT
EXISTING JB 626+10, 28' LT.	—	—	(105)	USE EXISTING SPARE CONDUIT
EXISTING JB 520+25, 39' LT.	—	—		
69+50, 33' RT.	F11	—	127	
68+25, 39' RT.	F10	—	127	
67+00, 39' RT.	F9	—	127	
65+75, 39' RT.	F8	—	126	
815+20, 15' RT.	F7	—	124	
813+95, 15' RT.	F6	—	117	
JB14 812+75, 20' RT.	—	—	120	
811+50, 15' RT.	F4		115	
810+30, 15' RT.	F3	—	125	
809+00, 15' RT.	F2	—	151	
807+50, 15' RT.	F1	—	11	
JB16 807+40, 15' RT.	—	—	53	
JB17 709+75, 10' RT.	—	—		
62+00, 27' RT.	F5	YES	10	
JB15 812+75, 20' LT.	—	—	40	
JB14 812+75, 20' RT.	—	—		
707+55, 15' RT.	EF1	—	125	
708+85, 15' RT.	EF2	—	87	
JB17 709+75, 10' RT.	—	—	120	
711+00, 15' RT.	EF3	—	125	
712+30, 15' RT.	EF4	—	125	
713+60, 15' RT.	EF5	—	125	
714+90, 15' RT.	EF6	—	134	
716+30, 15' RT.	EF7	—	142	
JB18 717+75, 15' RT.	—	—	109	
718+85, 15' RT.	EF8	—	154	
EXISTING JB 520+25, 39' LT.	—	—		
801+00, 15' RT.	EF12	—	43	
JB21 800+50, 15' RT.	—	—		
526+80, 34' LT.	EF11	—	29	
JB21 800+50, 15' RT.	—	—	105	
JB20 525+00, 29' LT.	—	—	125	
524+25, 33' LT.	EF10	—	121	
523+05, 32' LT.	EF9	—	17	
JB19 717+75, 18' LT.	—	—	33	
JB18 717+75, 15' RT.	—	—		

NOTE:
ALL NEW CONDUIT LISTED IN TABLES FOR WEST CIRCUIT 3, EAST CIRCUIT 1 AND EAST CIRCUIT 2 IS INTENDED TO BE NON-METALLIC CONDUIT.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891(500)

WIN 018915.00

HIGHWAY PLANS

STATE OF MAINE — ALBERT L GODFREY No. 4226 — LICENSED PROFESSIONAL ENGINEER

SIGNATURE	4226	
P.E. NUMBER		
DATE	9/7/21	

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

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

LIGHTING CONDUIT SUMMARY

SHEET NUMBER

LS15

OF 56

Filename: ...\LS15_Lighting Conduit Summary.dgn Division: HIGHWAY Username: morin Date:9/8/2021

Filename: ...\rnsto\LS16_Signing_01.dgn Username: morin Division: HIGHWAY Date:9/6/2021

SPEED LIMIT 65

10+00 11+00 12+00 13+00 14+00 15+00

NOTE:
STA. 17+37. 69.5' LT.
REMOVE EXISTING ROUTE SIGNAGE

EXISTING GROUND MOUNT GUIDE SIGN LOCATED APPROXIMATELY 1500' BACK FROM STA. 10+00 SHALL BE MODIFIED.
REMOVE SIGN AND STEEL SUPPORTS FROM EXISTING FOUNDATIONS. REMOVE EXISTING FOUNDATIONS.
CONSTRUCT NEW 24" DIAMETER X 10' LONG FOUNDATIONS APPROXIMATELY 10' EAST OF THE EXISTING FOUNDATIONS. LOCATE FOUNDATIONS TO PROVIDE A MINIMUM SEPARATION OF 20' BETWEEN THE EDGE OF THE NEAREST TRAVEL LANE AND THE NEAR EDGE OF THE GUIDE SIGN. REINSTALL SIGN AND SUPPORTS ON NEW FOUNDATIONS.
INSTALL A GREEN PLAQUE WITH TEXT "3/4" TO COVER THE "1" IN THE DISTANCE LINE OF THE SIGN. TEXT SIZE ON PLAQUE MUST MATCH TEXT SIZE OF EXISTING SIGN.

JCT 1A
I 395 ENDS
1 MILE

JCT 1A
I 395 ENDS
¾ MILE

1A WEST
DOWNTOWN
BREWER
LEFT LANE

EXIT 6A
TO COASTAL ROUTE 1
1A EXIT
ELLSWORTH
BAR HARBOR
RIGHT LANE

EXISTING

REMOVE

1A WEST
Downtown
Brewer
LEFT LANE

EXIT 6A
TO COASTAL ROUTE 1
1A EAST
Ellsworth
Bar Harbor
RIGHT LANE

EXISTING OVERHEAD GUIDE SIGNAGE ON BRIDGE TRUSS LOCATED APPROXIMATELY AT STA. 11+40 RT SHALL BE MODIFIED.
REMOVE EXISTING LEFT LANE GUIDE SIGN. INSTALL NEW GUIDE SIGN OH-1A ON BRIDGE TRUSS.

EXIT 6A
9 EAST
Wilson St.
Calais
LEFT LANE

EXIT 6A
TO COASTAL ROUTE 1
1A EAST
Ellsworth
Bar Harbor
RIGHT LANE

I-395 EB
GS OH-1A
(NEW)

I-395 EB
GS OH-1B
(EXISTING)

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1891(500)

WIN
018915.00

HIGHWAY PLANS

STATE OF MAINE
ALBERT L. GERVAIS
No. 4226
LICENSED
PROFESSIONAL ENGINEER

SIGNATURE
4226
P.E. NUMBER
9/7/21
DATE

PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	ALG	7/21
CHECKED-REVIEWED	ALG	7/21
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1	JLE/MSM	7/21
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

SIGNING PLAN

SHEET NUMBER

LS16

OF 56

STA. 25+00, 76.0' LT.
TYPE I SIGN ASSEMBLY
W8X24 POST
BREAKAWAY BASE
24"X7.0' FOUNDATION

M3-4
36"X18"

M1-1
45"X36"

WEST INTERSTATE MAINE 395

WEST 9

M3-4
36"X18"

M1-5
36"X36"

STA. 24+00.00
PROJ. NO. STP-1891(500)
BEGIN PROJECT

+00

24+00

2000+00

25+00

2001+00

26+00

2002+00

1000+00

27+00

2003+00

REMOVE SIGN
SPEED LIMIT 45

1001+00

2004+00

28+00

2005+00

29+00

1002+00

30+00

600+00

1003+00

1004+00

1005+00

601+00

602+00

603+00

604+00

SPEED LIMIT 55

STA. 24+00, 78.0' RT.
STA. 24+00, 10.0' RT.
R2-1
48"x60" TYPE I SIGN
W6X15 POST
BREAKAWAY BASE
18"X5.5' FOUNDATION

REMOVE SIGN
SPEED LIMIT 45

EXIT 6B

9 EAST
Calais
1/2 MILE

1A WEST
Wilson St.
Brewer
EXIT 1/2 MILE

I-395 EB
GS OH-2A

I-395 EB
GS OH-2B

EXIT 6A

TO COASTAL ROUTE 1
1A EAST
Ellsworth
Bar Harbor
EXIT ONLY

I-395 EB
GS OH-2C

STA. 1001+50, 22.0' LT TO 46.0' RT
INSTALL BRIDGE TRUSS FOR OVERHEAD GUIDE SIGNS.
INSTALL NEW GUIDE SIGNS OH-2A, OH-2B AND
OH-2C ON BRIDGE TRUSS.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1891(500)

WIN
018915.00

HIGHWAY PLANS

STATE OF MAINE
ALBERT L. GODFREY
No. 4226
REGISTERED PROFESSIONAL ENGINEER

SIGNATURE

4226
P.E. NUMBER

9/7/21
DATE

PROJ. MANAGER	R. MOULTON	DATE
DESIGN-DETAILED	ALG	7/21
CHECKED-REVIEWED	JLE/MSM	7/21
DESIGN2-DETAILED2	ALG	
DESIGN3-DETAILED3	ALG	
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

SIGNING PLAN

SHEET NUMBER

LS17

OF 56

Filename: ...\msto\LS17_Signing_02.dgn Division: HIGHWAY Username: morin Date:9/6/2021

Filename: ...\mslo\LS18_Signing_03.dgn Division: HIGHWAY Username: morin Date:9/6/2021

STA. 4016+50. 20.5' RT.
RI-2
48"X48" TYPE I SIGN
W6X9 POST
18"X5.5' FOUNDATION

REMOVE SIGN

STA. 37+50. 4.0' RT
R5-1a
42"X30" TYPE I SIGN
SKEW 30 DEGREES
ATTACH TO LIGHT POLE

6" X 102' UD

6" X 250' UD

REMOVE

36" x 61' RCP

REMOVE

6" X 187' UD

24"x12' OPT. III

36" x 84' RCP

24" x 92' RCP

WRONG WAY

EXIT 6A
TO COASTAL ROUTE 1
1A EXIT
ELLSWORTH
BAR HARBOR
EXIT ONLY

1A WEST
DOWNTOWN
BREWER

EXIT 6A
TO COASTAL ROUTE 1
1A WEST
Downtown
Brewer
1A EAST
Ellsworth
Bar Harbor
EXIT ONLY

GUIDE SIGNS OH-3A/3B
I-395 EASTBOUND
STA. 36+40 RT.
STRUCTURE #263595
REMOVE EXISTING SIGNS, SUPPORT
STRUCTURE AND FOUNDATIONS (2)

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1891(500)

WIN
018915.00

HIGHWAY PLANS

STATE OF MAINE
ALBERT L. GODFREY
No. 4226
REGISTERED PROFESSIONAL ENGINEER

SIGNATURE
4226
P.E. NUMBER
9/7/21
DATE

	R. MOULTON	BY	DATE
PROJ. MANAGER			
DESIGN-DETAILED	ALG	JLE/MSM	7/21
CHECKED-REVIEWED	ALG	ALG	7/21
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

SIGNING PLAN

SHEET NUMBER

LS18

OF 56

STA. 2014+00. 42.0' LT.
W4-1R
48"X48" TYPE I SIGN
W6X9 POST
BREAKAWAY BASE
18"X5.5' FOUNDATION

MERGING TRAFFIC

REMOVE SIGN

STA. 40+00. 1.0' LT.
R4-7
48"X60" TYPE I SIGN
WITH 18"X18" OMI-1
W6X15 POST
BREAKAWAY BASE
18"X5.5' FOUNDATION

STA. 3019+00. 20.5' RT.
RI-2
48"X48" TYPE I SIGN
W6X9 POST
18"X5.5' FOUNDATION

YIELD

REMOVE

REMOVE

REMOVE SIGN
EXIT
25 MPH

6" X 280' UD

36" x 84' RCP

6" X 272' UD

24" x 88' RCP

WRONG WAY

R5-1a
42"X30"

REMOVE EXISTING SIGN
AND FOUNDATION

EXIT REMOVE

W6-3
48"X48"

R5-1
48"X48"

DO NOT ENTER

STA.43+77. 29.0' RT.
TYPE I SIGNS
ATTACH TO LIGHT POLE

STA. 617+25.00
END FULL CONSTRUCTION
BEGIN MILL AND FILL

REMOVE EXIT
SPEED SIGN
EXIT
35 MPH

STA. 38+40. 0.5' RT.
R5-1
48"X48" TYPE I SIGN
SKEW 30 DEGREES
W6X9 POST
BREAKAWAY BASE
18"X5.5' FOUNDATION

DO NOT ENTER

W6-2
48"X48"

STA.41+26. 36.0' RT.
TYPE I SIGNS
ATTACH TO LIGHT POLE

EXIT
6A

I-395 EB
GS GM-1
STA. 42+90. 35.0'-42.5' RT.

2013+00 2014+00 2015+00 2016+00 2017+00 2018+00 2019+00 2020+00 2020+03
38+00 39+00 40+00 41+00 42+00 43+00 44+00 45+00
1014+00 1015+00 1016+00 1017+00 1018+00 1019+00 1020+00
612+00 613+00 614+00 615+00 616+00 617+00 618+00 619+00
3019+00 3020+00 3021+00
4008+00 4009+00 4010+00 4011+00 4012+00 4013+

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1891(500)

WIN
018915.00

HIGHWAY PLANS

STATE OF MAINE
ALBERT L GODFREY
No. 4226
LICENSED PROFESSIONAL ENGINEER

	DATE	BY
R. MOULTON	7/21	JLE/MSM
PROJ. MANAGER	7/21	ALG
DESIGN-DETAILED		
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

P.E. NUMBER
4226

SIGNATURE

9/7/21
DATE

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

SIGNING PLAN

SHEET NUMBER
LS19
OF 56

Filename: ...\mslo\LS19_Signing_04.dgn Division: HIGHWAY Username: morin Date:9/6/2021

Filename: ...\mst0\LS20_Signing_05.dgn Division: HIGHWAY Username: morin Date:9/6/2021

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1891(500)

WIN
018915.00

HIGHWAY PLANS

STATE OF MAINE
ALBERT L. GODFREY
No. 4226
REGISTERED PROFESSIONAL ENGINEER

SIGNATURE
4226
P.E. NUMBER
9/7/21
DATE

PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	ALG	JLE/MSM 7/21
CHECKED-REVIEWED	ALG	ALG 7/21
DESIGN2-DETAILED2	ALG	
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

SIGNING PLAN

SHEET NUMBER

LS20

OF 56

1A Wilson St. Brewer — GS-4
WEST TO TO 9 Bangor 395 95 — GS-5
EXISTING JB
EXISTING CONDUIT
GS-5
GS-4
GS-7
EXISTING CABINET
EXISTING JB
STA. 625+00.00 RAMP A LIMIT OF WORK RAMP 'A'
WRONG WAY
9 EAST Eddington Calais — GS-7
EXIT 6B
9 EAST Eddington Calais EXIT ONLY — I-395 EB GS OH-4A
1A WEST Wilson St. Brewer — I-395 EB GS OH-4B
STA. 48+20. 34.5' LT TO STA. 48+25. 46.5' RT INSTALL BRIDGE TRUSS FOR OVERHEAD GUIDE SIGNS. INSTALL NEW GUIDE SIGNS OH-4A OH-4B ON BRIDGE TRUSS.
M3-2 24" X 12" — EAST
EAST — M3-2 24" X 12"
M1-5 24" X 24" — 9
1A — M1-4 24" X 24"
M6-1L 21"x15"
M6-3 21"x15"
STA. 518+46.0. 28.0' RT. INSTALL NEW TYPE II SIGN ASSEMBLY (6 SIGNS) ON DOUBLE 4X4 WOOD POSTS.
STA. 47+50. 30.0' LT. W6-1 48"X48" TYPE I SIGN W6X9 POST BREAKAWAY BASE 18"X5.5' FOUNDATION
STA. 46+50. 30.0' LT. W4-3R 48"X48" TYPE I SIGN W6X9 POST BREAKAWAY BASE 18"X5.5' FOUNDATION
YIELD AHEAD
REMOVE SIGN
REMOVE SIGN EXIT MPH
6' X 3'6" CULVERT
18" X 45' CULVERT
18" X 64' CULVERT
6' X 5'6" CULVERT
3014+00
3015+00
3016+00
3017+00
3018+00
2020+00
2020+03
720+00
721+00
1+12
626+
625+00
624+00
623+00
622+00
621+00
620+00
50+00
49+00
48+00
47+00
46+00
45+00
520+00
519+00
518+00
517+00
516+00
515+00
514+00

REMOVE CHEVRON

3013+00

907+00

Ellsworth
Bar Harbor
1000 FEET
TAKE RIGHT
AFTER SIGNAL

RAMP D
GS GM-3

STA. 906+50.0
17.00' TO 23.00' RT.

00+906

24" x 156' RCP

STA. 903+82 TO 908+54 LT.
PAINT 6"X24" YELLOW WARNING BLOCKS
AT 8' C-C ALONG INSIDE OF EDGE
LINE

ROUTE 9 WB
GS GM-4

STA. 54+50.0
29.00' TO 35.50' LT.

EXIT
6

STA. 902+50. 15.0' RT.
WI-5
36"X36" TYPE I SIGN
WITH 24"X24" WI3-IP
ATTACH TO LIGHT POLE

25
M.P.H.

905+00

904+00

903+00

902+00

ROUTE 9 WB
GS GM-2

STA. 52+50.0
29.00' LT. TO 38.50' LT.

M4-6
36"x18" INTERSTATE
MI-I
45"X36"
TYPE I SIGNS
ATTACH TO
BACK OF GS GM-2

END
INTERSTATE
395

STA. 53+50
30.5' LT.
R5-10a(MOD)
30"X36" TYPE II SIGN
4"X6" WOOD POST

WEST
INTERSTATE
395
WEST
9

PROHIBITED ON
THIS HIGHWAY
PEDESTRIANS
BICYCLES
MOTOR-DRIVEN
MOTOR-SCOOTERS
ATVS
ANIMALS-RIDDEN
DRAWN OR LED
FARM EQUIPMENT
OVER 96" WIDE

RAMP
25
M.P.H.

STA. 903+80. 15.0' RT.
WI3-3
36"X48" TYPE I SIGN
W6X9 POST
18"X5.5' FOUNDATION

51+00
52+00
53+00
54+00
55+00
56+00
57+00

700+00
701+00
702+00
703+00
704+00
705+

6"X 54" UD

END
INTERSTATE
395

STA. 700+25. 16.0' RT.
M4-6
36"x18" INTERSTATE
MI-I
45"X36"
TYPE I SIGNS
ATTACH TO LIGHT POLE

STA. 702+75. 15.0' RT.
WI-15
36"X36" TYPE I SIGN
WITH 24"X24" WI3-IP
ATTACH TO LIGHT POLE

30
M.P.H.

RAMP
30
M.P.H.

STA. 703+80. 15.0' RT.
WI3-3
36"X48" TYPE I SIGN
W6X9 POST
18"X5.5' FOUNDATION

EXIT
6B

I-395 EB
GS GM-5

STA. 57+10. 32.0'-39.5' RT.

(1A)
Wilson St.
Brewer
GS-4

WEST TO
9
INTERSTATE
395
Bangor
GS-5
TO
INTERSTATE
395

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1891(500)

WIN
018915.00

HIGHWAY PLANS

STATE OF MAINE
ALBERT L
GODFREY
No. 4226
LICENSED
PROFESSIONAL ENGINEER

SIGNATURE
4226
P.E. NUMBER
9/7/21
DATE

	R. MOULTON	DATE
DESIGN-DETAILED	ALG	JLE/MSM
CHECKED-REVIEWED	ALG	ALG
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

PROJ. MANAGER

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

SIGNING PLAN

SHEET NUMBER

LS21

OF 56

Filename: ...\mst0\LS21_Signing_06.dgn Division: HIGHWAY Username: morin Date:9/6/2021

Filename: ...\mslo\LS22_Signing_07.dgn Division: HIGHWAY Username: morin Date:9/6/2021

STA. 60+00. 35.0' RT.
W4-1R
48"X48" TYPE I SIGN
W6X9 POST
BREAKAWAY BASE
18"X5.5' FOUNDATION

R5-10A(MOD)
30"X36" TYPE II SIGN
ATTACH TO BACK OF GS GM-5

PROHIBITED ON THIS HIGHWAY
PEDESTRIANS
BICYCLES
MOTOR-DRIVEN CYCLES
ATVS
ANIMALS-TECHN DRAWN OR LED FARM EQUIPMENT OVER 96" WIDE

STA. 704+70 TO STA. 707+90, 27.5' LT.
STA. 708+70 TO STA. 712+70, 41.5' LT.
W1-8R
30"X36" TYPE II SIGN
4"X6" WOOD POST
80' SPACING (11 TOTAL)

STA. 703+82 TO 708+30 LT.
STA. 809+00 TO 813+24 LT.
PAINT 6"X24" YELLOW WARNING BLOCKS
AT 8' C-C ALONG INSIDE OF EDGE
LINE

WRONG WAY

STA. 811+60
16.0' RT. & 28.0' LT.
R5-1a
36"X24" TYPE II SIGN
4"X6" WOOD POST

DO NOT ENTER

STA. 812+60
25.0' RT. & 28.0' LT.
R5-1
36"X36" TYPE II SIGN
4"X6" WOOD POST

YIELD

24" x 128' RCP

58+00 59+00 60+00 61+00 62+00 63+00 64+00
705+00 706+00 707+00
810+00 811+00 812+00 813+00 814+00 815+00
901+00 900+00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1891(500)

WIN
018915.00

HIGHWAY PLANS

STATE OF MAINE
ALBERT L. GODFREY
No. 4226
REGISTERED PROFESSIONAL ENGINEER

ALBERT L. GODFREY
SIGNATURE
4226
P.E. NUMBER
9/7/21
DATE

	R. MOULTON	BY	DATE
PROJ. MANAGER			
DESIGN-DETAILED	ALG	JLE/MSM	7/21
CHECKED-REVIEWED	ALG	ALG	7/21
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

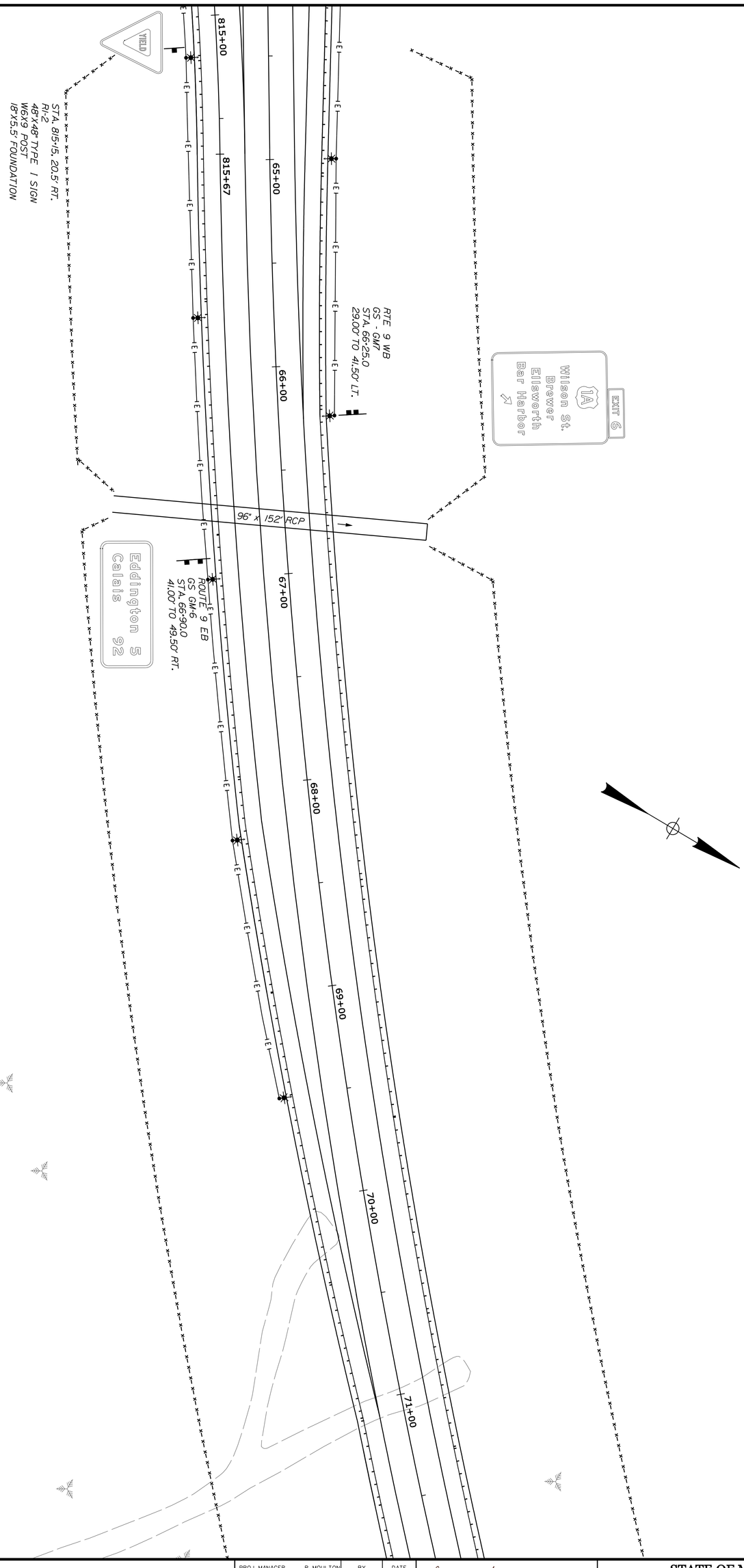
BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

SIGNING PLAN

SHEET NUMBER

LS22

OF 56



PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	ALG	JLE/MSM	7/21
CHECKED-REVIEWED	ALG	ALG	7/21
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE
4226
P.E. NUMBER
9/7/21
DATE

STATE OF MAINE
ALBERT L. GODFREY
No. 4226
LICENSED
PROFESSIONAL ENGINEER

BREWER TO EDDINGTON I-395/ROUTE 9 CONNECTOR

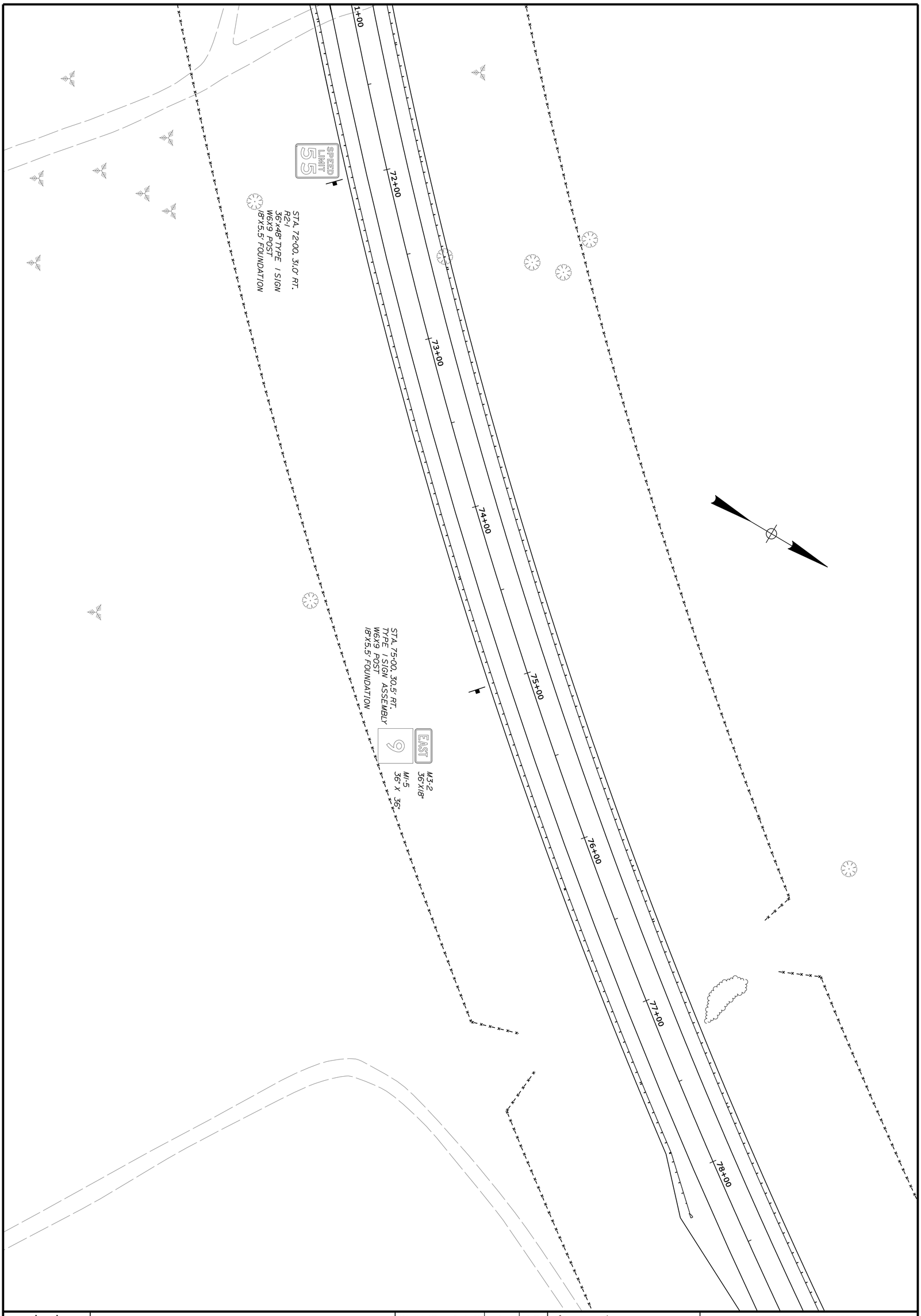
SIGNING PLAN

SHEET NUMBER LS23 OF 56

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1891(500)

WIN 018915.00 HIGHWAY PLANS



SHEET NUMBER LS24 OF 56

BREWER TO EDDINGTON I-395/ROUTE 9 CONNECTOR

SIGNING PLAN

PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	ALG	JLE/MSM	7/21
CHECKED-REVIEWED	ALG	ALG	7/21
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

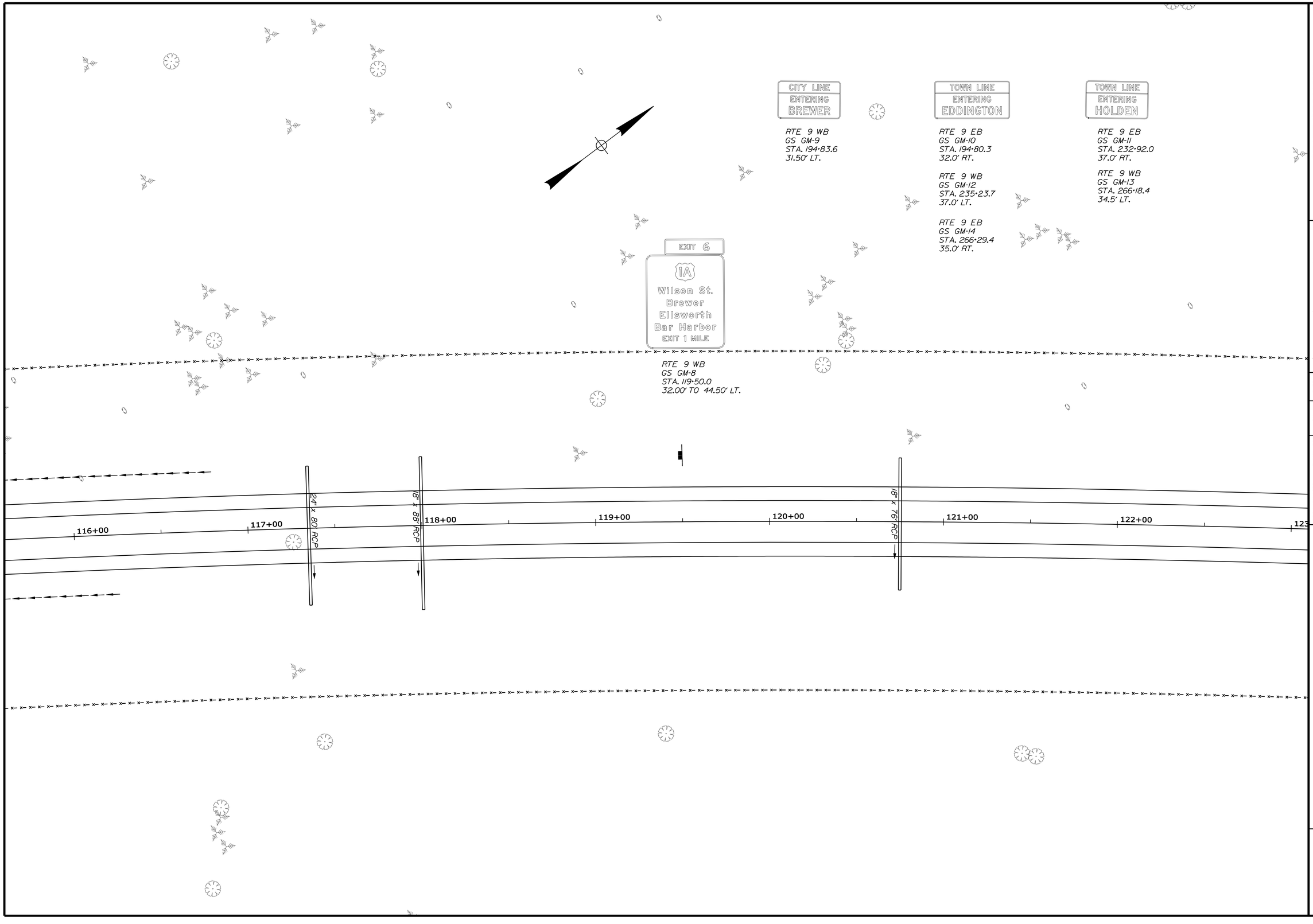
SIGNATURE
4226
P.E. NUMBER
9/7/21
DATE

ALBERT L. GODFREY No. 4229 LICENSED PROFESSIONAL ENGINEER STATE OF MAINE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1891(500)

WIN 018915.00 HIGHWAY PLANS



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1891(500)

WIN
018915.00

HIGHWAY PLANS

STATE OF MAINE
ALBERT L. GODFREY
No. 4226
REGISTERED PROFESSIONAL ENGINEER

SIGNATURE

4226
P.E. NUMBER

9/7/21
DATE

PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	ALG	JLE/MSM	7/21
CHECKED-REVIEWED	ALG	ALG	7/21
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

SIGNING PLAN

SHEET NUMBER

LS25

OF 56

Filename: ...\mst0\LS25_Signing_10.dgn Division: HIGHWAY Username: morin Date:9/6/2021

Filename: ...\msto\LS26_Signing_11.dgn Division: HIGHWAY Username: morin Date:9/6/2021

STA. 408+00.0, 28.0' RT.
INSTALL NEW TYPE II SIGN ON
SINGLE 6X6 WOOD POST.

W3-1
30"X30"

CLL

408+00

M1-5
24" X 24"

WEST
BUSINESS

18" X 100' RCP

6004+00

409+00

6005+00

24" X 92' RCP

STA. 6004+50.0, 26.0' LT.
INSTALL NEW TYPE II SIGN ON
SINGLE 6X6 WOOD POST.

DEAD END

W14-1
30"X30"

410+00

M3-2
24"X12"

EAST

WEST

M3-4
24"X12"

M1-5
24" X 24"

M1-5
24" X 24"

M6-1L
21"X 15"

M6-1R
21"X 15

STA. 410+50.0, 28.0' RT.
INSTALL NEW TYPE II SIGN
ASSEMBLY (6 SIGNS) ON
SINGLE 6X6 WOOD POST.

SPEED LIMIT 40

R2-1
24"X30"

STA. 410+50.0, 27.0' LT.
INSTALL NEW TYPE II SIGN ON
SINGLE 6X6 WOOD POST.

411+00

SPEED LIMIT 55

STA. 319+50, 38.0' LT.
R2-1
36"x48" TYPE I SIGN
W6X9 POST
18"X5.5' FOUNDATION

STA. 322+00, 38.0' LT.
TYPE I SIGN ASSEMBLY
W6X9 POST
18"X5.5' FOUNDATION

WEST

M3-4
36"X18"

M1-5
36" X 36"

STA. 411+70.0, 38.0' RT.
INSTALL NEW TYPE II SIGN ON
SINGLE 6X6 WOOD POST.

STOP

R1-1
36"X36"

412+00

412+19

9+00

320+00

321+00

322+00

323+00

324+00

325+00

326+00

M3-4
24"X12"

M4-3
24"X12"

M1-5
24" X 24"

M6-1L
21"X 15"

WEST
BUSINESS

EAST

M3-2
24"X12"

M1-5
24" X 24"

M6-3
21"X 15"

STA. 324+00.0, 34.0' RT.
INSTALL NEW TYPE II SIGN
ASSEMBLY (7 SIGNS) ON
SINGLE 6X6 WOOD POST.

SPEED LIMIT 45

STA. 319+50, 38.0' RT.
R2-1
36"x48" TYPE I SIGN
W6X9 POST
18"X5.5' FOUNDATION

Eddington
Calais

RTE 9 EB
GS GM-15
STA. 322+50.0
34.50' RT.

CLL

1PF

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1891(500)

WIN
018915.00

HIGHWAY PLANS

STATE OF MAINE
ALBERT L. GODFREY
No. 4226
REGISTERED PROFESSIONAL ENGINEER

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9/7/21
DATE

PROJ. MANAGER	R. MOULTON	BY	DATE
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CHECKED-REVIEWED	ALG	ALG	7/21
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

SIGNING PLAN

SHEET NUMBER

LS26

OF 56

Filename: ...\mst01\LS27_Signing_12.dgn Division: HIGHWAY Username: morin Date:9/6/2021

6004+00

6003+00

6002+00

6001+00

6000+00

24" x 100' RCP

24" x 50' OPT III

IPF

STA. 328+50.0, 46.0' LT.
INSTALL NEW TYPE II SIGN
ASSEMBLY (7 SIGNS) ON
SINGLE 6X6 WOOD POST.

M3-4
24"X12"

WEST

M3-4
24"X12"

WEST

M4-3
24"X12"

BUSINESS

M1-5
24" X 24"

9

9

M1-5
24" X 24"

M6-3
21"X 15"

M6-1R
21"X 15

T.
II SIGN ON
POST.

To 395 5
Wilson St. 5
Downtown Brewer 7

REMOVE SIGN

REMOVE SIGN

STA. 336+50 LT.
REMOVE SIGN
SPEED LIMIT 40 MPH AHD

RTE 9 WB
GS GM-16
STA. 330+50.0
32.00' TO 42.50' LT.

327+00

328+00

329+00

330+00

331+00

332+00

333+00

18" x 40'
CULVERT

STA. 329+50.0, 33.0' RT.
INSTALL NEW TYPE II SIGN
ASSEMBLY (2 SIGNS) ON
SINGLE 6X6 WOOD POST.

EAST

M3-2
24"X12"

9

M1-5
24" X 24"

STA. 331+50.0, 33.0' RT.
INSTALL NEW TYPE II SIGN ON
SINGLE 6X6 WOOD POST.

SPEED LIMIT 45

R2-1
24"X30"

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1891(500)

WIN
018915.00

HIGHWAY PLANS

STATE OF MAINE
ALBERT L GODFREY
No. 4226
LICENSED PROFESSIONAL ENGINEER

SIGNATURE
4226
P.E. NUMBER
9/7/21
DATE

BY	DATE
JLE/MSM	7/21
ALG	7/21

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

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

SIGNING PLAN

SHEET NUMBER

LS27

OF 56

STA. 403+00.00
PROJ. NO. STP-1891(500)
LIMIT OF WORK

402+00
403+00
404+00
405+00
406+00
407+00
408+00

18" x 68' RCP

STA. 406+50 TO STA. 408+10
27.0' LT.
W1-8R
18"X24" TYPE II SIGN
U-CHANNEL POST
80' SPACING (3 TOTAL)

15001+00
16000+00

STA. 408+50.0, 28.0' LT.
INSTALL NEW TYPE II
SIGN ASSEMBLY (3
SIGNS) ON SINGLE 6X6
WOOD POST.

M3-4
24"X12"
M4-3
24"X12"

M1-5
24" X 24"

WEST
BUSINESS
9

15" x 40' OPT. 1

STA. 402+93, 28.0' RT.
REPLACE CURVE AHEAD SIGN (LEFT)
WITH 30"X30" CURVE AHEAD RIGHT
(W1-2R) ON SINGLE 6X6 WOOD POST

NEW TRAFFIC PATTERN AHEAD
W23-2
36"X36"

STA. 404+00.0, 29.0' RT.
INSTALL NEW TYPE II SIGN ON
SINGLE 6X6 WOOD POST.

W3-1
30"X30"

STA. 408+00.0, 28.0' RT.
INSTALL NEW TYPE II SIGN ON
SINGLE 6X6 WOOD POST.

IPF

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1891(500)

WIN
018915.00

HIGHWAY PLANS

STATE OF MAINE
ALBERT L. GODFREY
No. 4226
REGISTERED PROFESSIONAL ENGINEER

SIGNATURE
4226
P.E. NUMBER
9/7/21
DATE

	BY	DATE
REVISIONS 1	JLE/MSM	7/21
REVISIONS 2	ALG	7/21
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

PROJ. MANAGER	R. MOULTON
DESIGN-DETAILED	ALG
CHECKED-REVIEWED	ALG
DESIGN2-DETAILED2	
DESIGN3-DETAILED3	

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

SIGNING PLAN

SHEET NUMBER

LS28

OF 56

Filename: ...\mst\LS28_Signing_13.dgn Division: HIGHWAY Username: morin Date:9/6/2021

Filename: ...\mslo\LS29_Signing_14.dgn Division: HIGHWAY Username: morin Date:9/6/2021

STA. 5004+16, 31.5' LT.
R5-1a
36" X 24"
TYPE II SIGN
4X6 WOOD POST

WRONG WAY

WRONG WAY

STA. 5004+16, 7.5' RT.
R5-1a
36" X 24"
TYPE II SIGN
4X6 WOOD POST

5004+00

5003+00

5002+00

5001+00

5000+00

EAST
1A
Ellsworth
Bar Harbor

GS GM-18
STA. 5001+85.0
209.5' TO 214.0' RT.

Bar Harbor

EAST
1A
Ellsworth
Bar Harbor

GS GM-17A

TO REVERSE DIRECTION

GS GM-17B

STA. 5000+35.0
10.0' TO 18.5' RT.

STA. 493+50.0, 53.5' LT.
INSTALL 30' STEEL STRAIN POLE
ON CONCRETE FOUNDATION FOR
SPANWIRE SIGN ASSEMBLY.

493+00.00
NO. STP-1891(500)
OF WORK

R3-5A
R3-5A
R3-9D(MOD) R3-9C(MOD)
R3-5A
R3-5A
R3-5R

493+00
494+00
495+00
496+00
497+00
498+00
499+00
500

ROUTE 1A

REMOVE EXISTING SPANWIRE AND SIGN ASSEMBLY.
REMOVAL OF SPANWIRE, TETHER, POLES, GUYS AND
SIGNS SHALL BE INCIDENTAL TO THE CONTRACT.

STA. 493+50
INSTALL OVERHEAD SPANWIRE ASSEMBLY
AND SIGNS. PAY FOR SIGNS AS ITEM
645.271.
R3-5R, 35.5' RT.
R3-5a, 18.0' RT.
R3-5a, 6.0' RT.
R3-9c(MOD) & R3-9d(mod), 6.0' LT.
R3-5a, 18.0' LT.
R3-5a, 30.0' LT.
STEEL STRAIN POLES WILL BE FURNISHED
BY MAINEDOT. SIGNS SHALL HAVE A BOTTOM
TETHER CABLE. PAYMENT FOR FURNISHING
AND INSTALLING SPANWIRE, TETHER AND
ATTACHMENT HARDWARE, AND FOR
TRANSPORT OF STRAIN POLES FROM THE
MAINEDOT MAINTENANCE YARD TO THE
JOBSITE WILL BE INCIDENTAL TO PAYMENT
FOR INSTALLATION OF THE STRAIN POLES
UNDER ITEM 645.118.

ONLY
R3-5A
30" X 36"

BEGIN
R3-9C
(MOD)
30" X 36"

END
R3-9D
(MOD)
30" X 36"

ONLY
R3-5R
30" X 36"

STA. 493+50.0, 60.0' RT.
INSTALL 30' STEEL STRAIN POLE
ON CONCRETE FOUNDATION FOR
SPANWIRE SIGN ASSEMBLY.

M3-2
24" X 12"
M1-5
24" X 24"

EAST 9
WEST 9
EAST 1A LEFT LANE
WEST 395 RIGHT LANE

M3-4
24" X 12"
M1-5
24" X 24"

DEMOUNT EXISTING SIGN
ASSEMBLY (6 SIGNS).
REINSTALL EXISTING SIGNS
AND INSTALL 4 NEW TYPE II
SIGNS ON DOUBLE 6X6 WOOD
POSTS.

NOTE:
ALL SIGNAGE SHOWN ON THESE SIGNING
PLANS WITH DASHED SIGN BORDERS IS TO
BE INSTALLED IN THE WILSON STREET
BRIDGE PROJECT WIN 18915.20 PRIOR TO
THIS CONTRACT.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1891(500)

WIN 018915.00

HIGHWAY PLANS

STATE OF MAINE
ALBERT L. GODFREY
No. 4226
LICENSED PROFESSIONAL ENGINEER

SIGNATURE
P.E. NUMBER 4226
9/7/21
DATE

	BY	DATE
PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	ALG	7/21
CHECKED-REVIEWED	ALG	7/21
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

SIGNING PLAN

SHEET NUMBER
LS29
OF 56

Filename: ...\mslo\LS30_Signing_15.dgn Division: HIGHWAY Username: morin Date:9/6/2021

1A WEST
Wilson St.
GS-OH-6A

Ellsworth
Bar Harbor
1000 FT AHD
GS-OH-6B

BEGIN
RIGHT TURN LANE
YIELD TO BIKES

OBDS (2)
(EXISTING)

WELCOME TO
BREWER
(EXISTING)

SPEED
LIMIT
35

1A

ROUTE 1A

500+00 501+00 502+00 503+00 504+00 505+00 506+00 507+

919+00 920+00 921+00

GS-OH-6B
GS-OH-6A
GS-OH-5A
GS-OH-5B

4000+00 4001+00

SPEED
LIMIT
45

Ellsworth 23
Bangor 4
Calais 92

1A EAST
to
Ellsworth
Bar Harbor
GS-OH-5A

WEST TO TO
9
Bangor
Only
GS-OH-5B

STA. 503+56.50, 41.50' LT. TO
STA. 503+58.50, 58.10' RT.
INSTALL SIGN BRIDGE TRUSS (99.6' SPAN) ON
SINGLE COLUMN SUPPORTS AND CONCRETE
SHAFT FOUNDATIONS. INSTALL GS-OH-6A AND
GS-OH-6B ON TRUSS WESTBOUND AND
GS-OH-5A AND GS-OH-5B ON TRUSS EASTBOUND.
MAXIMUM ALLOWABLE HEIGHT OF TOP TRUSS
CHORD OVER ROADWAY WILL BE 22'

STA. 4001+25, 17.0' RT.
WI-11
36"X36" TYPE I SIGN
WITH 24"X24" WI3-1P
W6X9 POST
BREAKAWAY BASE
18"X5.5' FOUNDATION

30
M.P.H.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1891(500)

WIN
018915.00

HIGHWAY PLANS

STATE OF MAINE * LICENSED PROFESSIONAL ENGINEER *
ALBERT L GODFREY
No. 4226

SIGNATURE		
4226	P.E. NUMBER	
9/7/21	DATE	

PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	ALG	7/21
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DESIGN2-DETAILED2		
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REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

SIGNING PLAN

SHEET NUMBER

LS30

OF 56

Filename: ...\dgn\LS31_Signing_16.dgn Division: HIGHWAY Username: morin Date:9/8/2021

WRONG WAY

WRONG WAY

STA. 9I7+00.00
RAMP D
LIMIT OF WORK

DO NOT ENTER

YIELD

DO NOT ENTER

919+00

918+00

917+00

BEGIN MILL AND FILL
STA. 3004+29

PROHIBITED ON HIGHWAY

STA. 3001+78 TO 3008+58 LT.
PAINT 6"X24" YELLOW WARNING BLOCKS
AT 8' C-C ALONG INSIDE OF EDGE LINE

DEMOUNT EXISTING SIGN ASSEMBLY
(4 SIGNS). REINSTALL EXISTING
SIGNS AND INSTALL 4 NEW TYPE II
SIGNS ON DOUBLE 4X6 WOOD
POSTS.

M3-4
24" X 12"

WEST
1A

WEST
9

M3-4
24" X 12"

MI-5
24" X 24"

M6-2R
21"x15

INTERSTATE
395

3004+00

3003+00

3002+00

3001+00

3000+00

RAMP
25
M.P.H.

STA. 3000+40. 16.0' RT.
WI-15
36"X36" TYPE I SIGN
WITH 24"X24" WI3-IP
W6X9 POST
BREAKAWAY BASE
18"X5.5' FOUNDATION

25
M.P.H.

507+00

508+00

509+00

510+00

511+00

512+00

513+00

ROUTE 1A

4002+00

4003+00

4004+00

4005+00

4006+00

4007+00

JB

PROHIBITED ON HIGHWAY
STA. 4003+50.00
RAMP B
LIMIT OF WORK

RAMP
30
M.P.H.

STA. 4002+35. 22.0' RT.
WI3-3
36"X48" TYPE I SIGN
W6X9 POST
18"X5.5' FOUNDATION

M3-2
24"X12"

EAST
9

WEST
9

M3-4
24" X 12"

MI-5
24"X24"

MI-5
24" X 24"

M5-1
21"X15"

M6-2R
21"X15"

M3-2
24"X12"

EAST
1A

WEST
INTERSTATE
395

M3-4
24" X 12"

DEMOUNT EXISTING SIGN ASSEMBLY
(4 SIGNS). REINSTALL EXISTING
SIGNS AND INSTALL 8 NEW TYPE II
SIGNS ON DOUBLE 4X6 WOOD
POSTS.

STA. 4003+20 TO 4009+76 LT.
PAINT 6"X24" YELLOW WARNING BLOCKS
AT 8' C-C ALONG INSIDE OF EDGE
LINE

SPARE CONDUIT

RAMP 'B'

STA. 3019+00. 20.5' RT.
R1-2
48"X48" TYPE I SIGN
W6X9 POST
18"X5.5' FOUNDATION

YIELD

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1891(500)

WIN
018915.00

HIGHWAY PLANS

STATE OF MAINE
ALBERT L GODFREY
No. 4226
REGISTERED PROFESSIONAL ENGINEER

P.E. NUMBER
4226

SIGNATURE

9/7/21
DATE

	BY	DATE
PROJ. MANAGER	R. MOULTON	
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REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

SIGNING PLAN

SHEET NUMBER

LS31

OF 56

Filename: ...\rmsto\LS32_Signing_17.dgn Division: HIGHWAY Username: morin Date:9/6/2021

STA. 714+00 TO 716+80 LT.
PAINT 6"X24" YELLOW WARNING BLOCKS
AT 8' C-C ALONG INSIDE OF EDGE
LINE

STA. 714+50, 27.5' LT.
STA. 715+30, 27.5' LT.
W1-8R
30"X36" TYPE II SIGN
4"X6" WOOD POST
(2 TOTAL)

STA. 717+00
18.0' RT. & 25.5' LT.
R5-1
36"X36" TYPE II SIGN
4"X6" WOOD POST

STA. 718+00, 18.0' RT.
R1-2
48"X48" TYPE II SIGN
4"X6" WOOD POST

STA. 716+00
18.0' RT. & 25.5' LT.
R5-1a
36"X24" TYPE II SIGN
4"X6" WOOD POST

STA. 523+05, 32.0' LT.
W4-1R
36"X36" TYPE I SIGN
ATTACH TO LIGHT STANDARD

STA. 527+50.00
PROJ. NO. STP-1891(500)
LIMIT OF WORK

18" x 96" RCP

WRONG WAY

DO NOT ENTER

YIELD

Bangor Int'l Airport NEXT EXIT

715+00 716+00 717+00 718+00 719+00

801+00 802+00 00+008

521+00 522+00 523+00 524+00 525+00 526+00 527+00 528+00

626+00 627+00 628+00 629+00 630+00 631+00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1891(500)

WIN
018915.00

HIGHWAY PLANS

STATE OF MAINE
ALBERT L GODFREY
No. 4229
REGISTERED PROFESSIONAL ENGINEER

	BY	DATE
PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	ALG	7/21
CHECKED-REVIEWED	JLE/MSM	7/21
DESIGN2-DETAILED2	ALG	
DESIGN3-DETAILED3		
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REVISIONS 3		
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FIELD CHANGES		

SIGNATURE

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4226

DATE
9/7/21

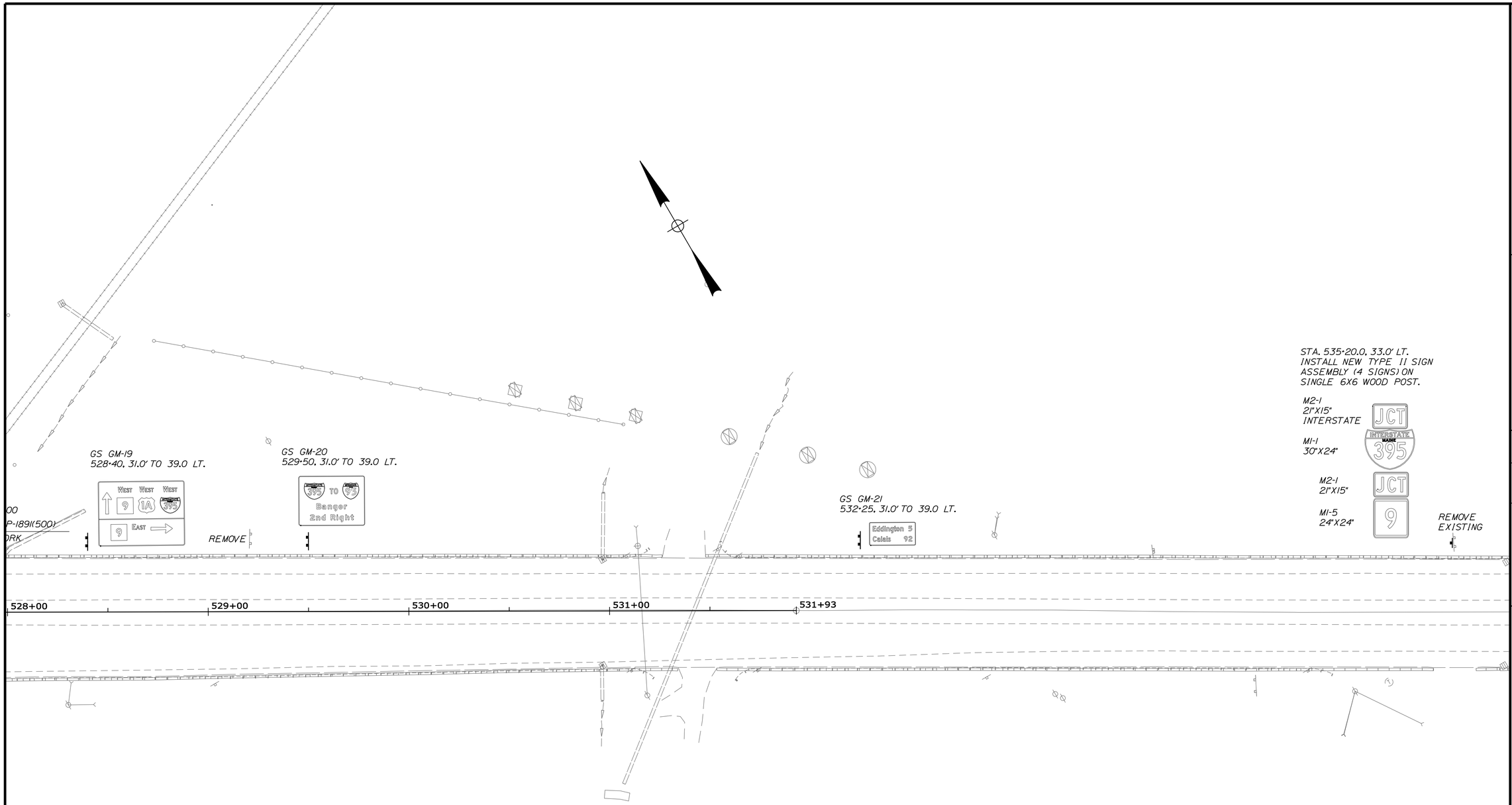
BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

SIGNING PLAN

SHEET NUMBER

LS32

OF 56



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1891(500)

WIN
018915.00

HIGHWAY PLANS

STATE OF MAINE
ALBERT L. GODFREY
No. 4226
LICENSED PROFESSIONAL ENGINEER

P.E. NUMBER	4226	
SIGNATURE		
DATE	9/7/21	

PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	ALG	JLE/MSM
CHECKED-REVIEWED	ALG	ALG
DESIGN2-DETAILED2	ALG	
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

DATE	7/21
BY	JLE/MSM
DATE	7/21

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

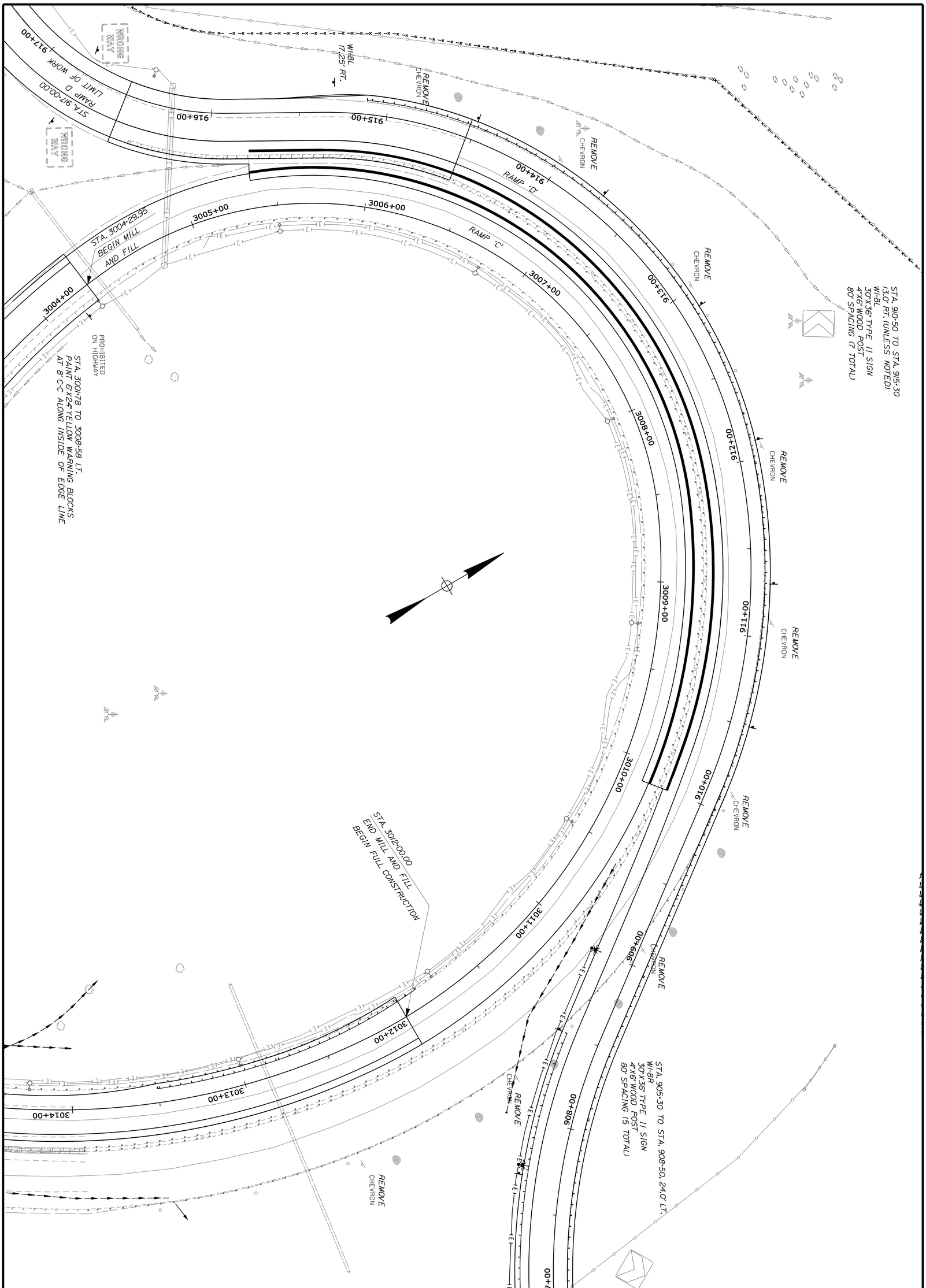
SIGNING PLAN

SHEET NUMBER

LS33

OF 56

Filename: ...\ms1o\LS33_Signing_18.dgn Division: HIGHWAY Username: morin Date:9/6/2021



LS34
SHEET NUMBER
OF 56

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

SIGNING PLAN

PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	ALG	JLE/MSM	7/21
CHECKED-REVIEWED	ALG	ALG	7/21
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE
4226
P.E. NUMBER
9/7/21
DATE

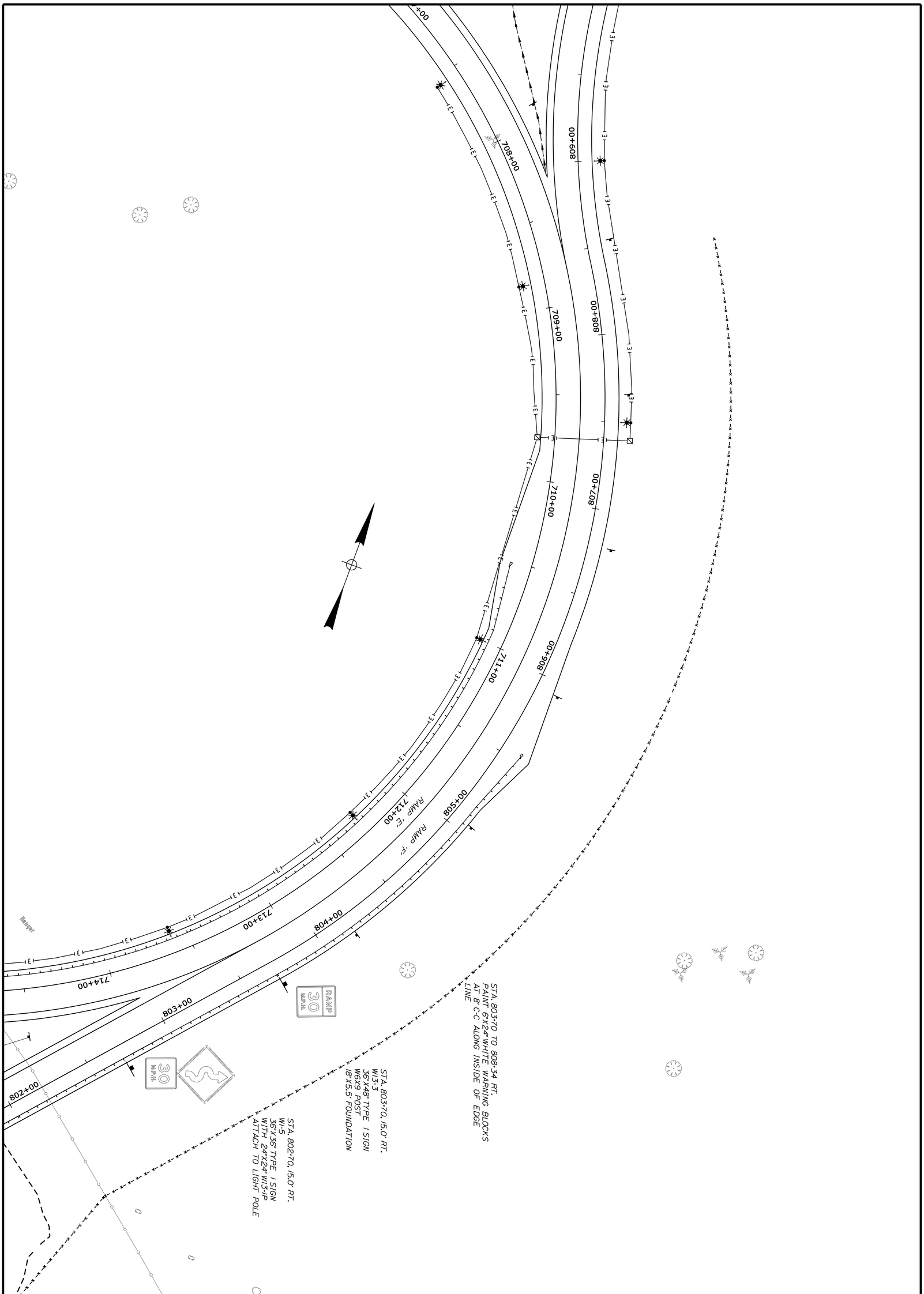
STATE OF MAINE
ALBERT L. GODFREY
No. 4226
LICENSED
PROFESSIONAL ENGINEER

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1891(500)

WIN
018915.00

HIGHWAY PLANS



LS35

SHEET NUMBER

OF 56

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

SIGNING PLAN

PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	ALG	JLE/MSM	7/21
CHECKED-REVIEWED	ALG	ALG	7/21
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

4226

P.E. NUMBER

9/7/21

DATE

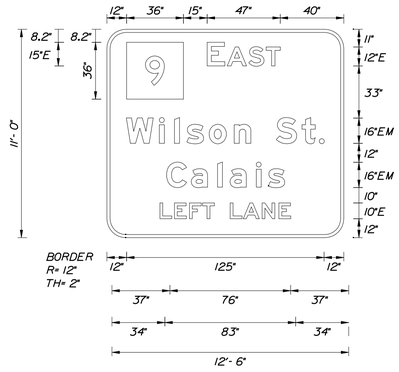
ALBERT L. GODFREY
No. 4226
STATE OF MAINE
LICENSED
PROFESSIONAL ENGINEER

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1891(500)

WIN
018915.00

HIGHWAY PLANS

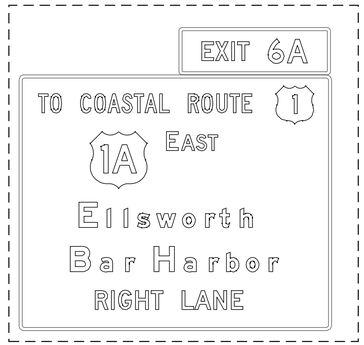


Panel Style: guide exp advance b.ssi
M.U.T.C.D.: 2009 Edition

GUIDE SIGN OH-1A
I-395 EASTBOUND

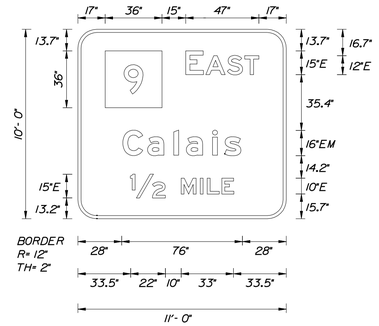
REPLACE SIGN
ON EXISTING STRUCTURE #263580
STA. 11+40, 34.00' RT.

OVERHEAD TRUSS MOUNTED
TYPE I SIGN
ALUMINUM PLANK
AREA = 137.50 SF



GUIDE SIGN OH-1B
I-395 EASTBOUND

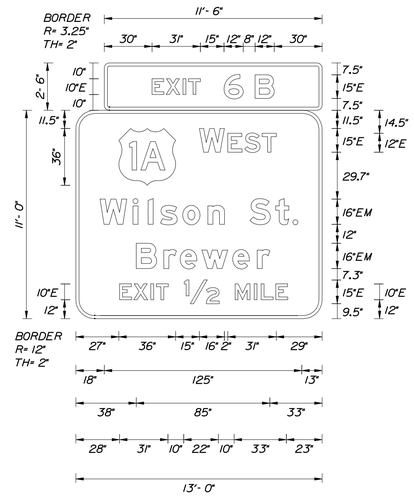
RETAIN SIGN
ON EXISTING STRUCTURE #263580



Panel Style: guide exp advance b.ssi
M.U.T.C.D.: 2009 Edition

GUIDE SIGN OH-2A
I-395 EASTBOUND
NEW SUPPORT STRUCTURE
STA. 1001+50, 6.50' LT.

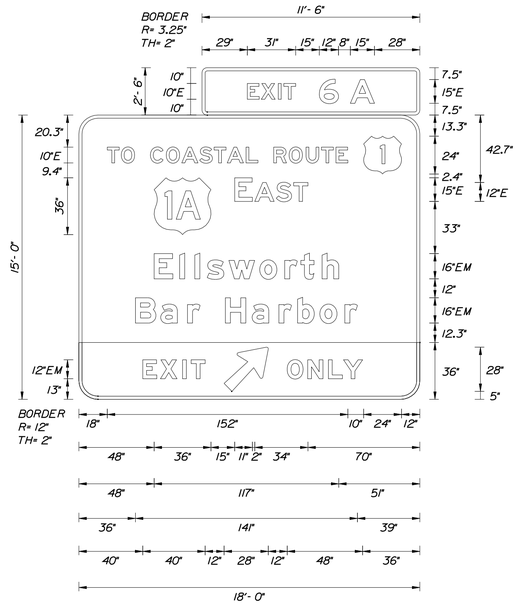
OVERHEAD TRUSS MOUNTED
TYPE I SIGN
ALUMINUM PLANK
AREA = 110.0 SF



Panel Style: guide exp advance b.ssi
M.U.T.C.D.: 2009 Edition

GUIDE SIGN OH-2B
I-395 EASTBOUND
NEW SUPPORT STRUCTURE
STA. 1001+50, 6.50' RT.

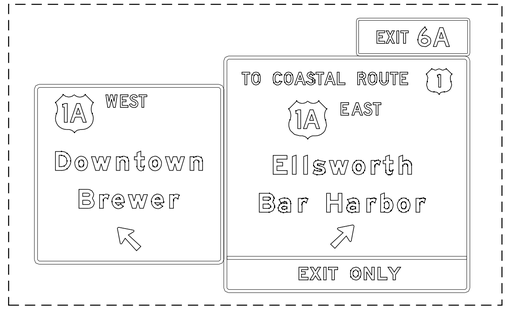
OVERHEAD TRUSS MOUNTED
TYPE I SIGN
ALUMINUM PLANK
AREA = 171.75 SF



Panel Style: guide exp advance b.ssi
M.U.T.C.D.: 2009 Edition

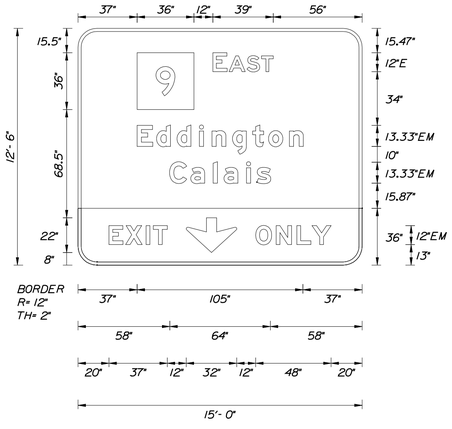
GUIDE SIGN OH-2C
I-395 EASTBOUND
NEW SUPPORT STRUCTURE
STA. 1001+50, 23.00' RT.

OVERHEAD TRUSS MOUNTED
TYPE I SIGN
ALUMINUM PLANK
AREA = 298.75 SF



GUIDE SIGN OH-3A/3B
I-395 EASTBOUND
STA. 36+40 RT.
STRUCTURE #263595

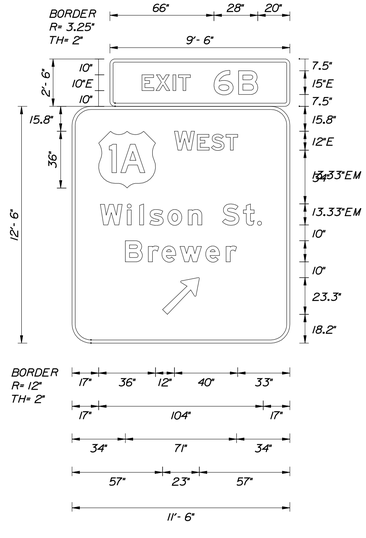
REMOVE EXISTING SIGNS, SUPPORT
STRUCTURE AND FOUNDATIONS (2)



Panel Style: guide exp advance intermediate.ssi
M.U.T.C.D.: 2009 Edition

GUIDE SIGN OH-4A
I-395 EASTBOUND
NEW SUPPORT STRUCTURE
STA. 48+21.4, 5.00' RT.

OVERHEAD TRUSS MOUNTED
TYPE I SIGN
ALUMINUM PLANK
AREA = 187.50 SF



Panel Style: guide exp advance intermediate.ssi
M.U.T.C.D.: 2009 Edition

GUIDE SIGN OH-4B
I-395 EASTBOUND
NEW SUPPORT STRUCTURE
STA. 48+22.3, 19.00' RT.

OVERHEAD TRUSS MOUNTED
TYPE I SIGN
ALUMINUM PLANK
AREA = 167.50 SF

NOT TO SCALE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1891(500)

WIN
018915.00

HIGHWAY PLANS

STATE OF MAINE
ALBERT L. GOSTELI
No. 4226
LICENSED
PROFESSIONAL ENGINEER

SIGNATURE	
P.E. NUMBER	4226
DATE	9/7/21

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

BY	DATE
MSM	7/21
ALG	7/21

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

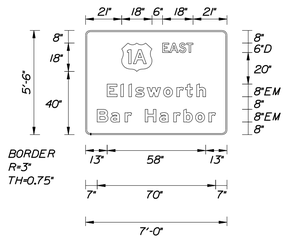
GUIDE SIGN DETAILS

SHEET NUMBER

LS36

OF 56

Filename: ...\LS36_Guide Sign Details.dgn Division: HIGHWAY Username: morin Date:9/6/2021

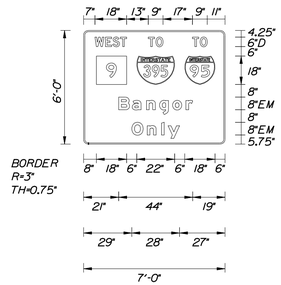


Panel Style: guide con destination 3-line 2012.ssi
M.U.T.C.D.: 2009 Edition

GUIDE SIGN OH-5A
ROUTE 1A

STA. 503+58.5, 12.20' RT.
EASTBOUND APPROACH

OVERHEAD SIGN BRIDGE
TRUSS MOUNTED
TYPE I SIGN
ALUMINUM PLANK
AREA = 38.50 SF

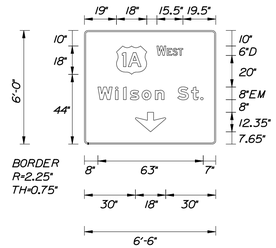


Panel Style: guide con destination 3-line 2012.ssi
M.U.T.C.D.: 2009 Edition

GUIDE SIGN OH-5B
ROUTE 1A

STA. 503+58.5, 24.20' RT.
EASTBOUND APPROACH

OVERHEAD SIGN BRIDGE
TRUSS MOUNTED
TYPE I SIGN
ALUMINUM PLANK
AREA = 42.00 SF

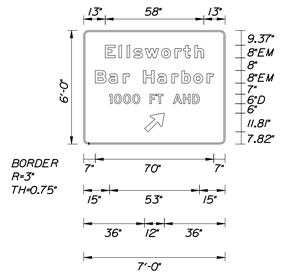


Panel Style: guide con destination 2-line 2012.ssi
M.U.T.C.D.: 2009 Edition

GUIDE SIGN OH-6A
ROUTE 1A

STA. 503+56.5, 10.50' LT.
WESTBOUND APPROACH

OVERHEAD SIGN BRIDGE
TRUSS MOUNTED
TYPE I SIGN
ALUMINUM PLANK
AREA = 39.00 SF

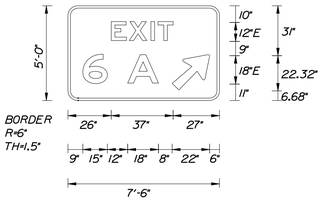


Panel Style: guide con destination 3-line 2012.ssi
M.U.T.C.D.: 2009 Edition

GUIDE SIGN OH-6B
ROUTE 1A

STA. 503+56.5, 22.50' LT.
WESTBOUND APPROACH

OVERHEAD SIGN BRIDGE
TRUSS MOUNTED
TYPE I SIGN
ALUMINUM PLANK
AREA = 42.00 SF

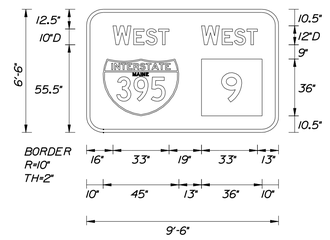


Panel Style: guide exp gore R 2012.ssi
M.U.T.C.D.: 2009 Edition

GUIDE SIGN GM-1
ROUTE 9

STA. 42+90.0
35.00' RT. TO 42.50' RT.

DOUBLE W8X18 POSTS
24"X7' FOUNDATIONS
TYPE I SIGN
ALUMINUM PLANK
AREA = 37.50 SF

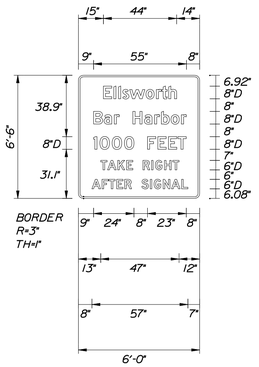


Panel Style: guide exp pull-thru.ssi
M.U.T.C.D.: 2009 Edition

GUIDE SIGN GM-2
ROUTE 9

STA. 52+50.0
29.00' LT. TO 38.50' LT.

DOUBLE W8X18 POSTS
24"X7' FOUNDATIONS
TYPE I SIGN
ALUMINUM PLANK
AREA = 61.75 SF

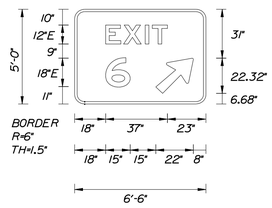


Panel Style: guide con destination.ssi
M.U.T.C.D.: 2009 Edition

GUIDE SIGN GM-3
RAMP D

STA. 906+50.0
17.0' RT. TO 23.0' RT.

DOUBLE W8X18 POSTS
24"X7' FOUNDATIONS
TYPE I SIGN
ALUMINUM PLANK
AREA = 39.00 SF

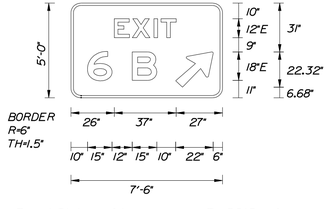


Panel Style: guide exp gore R 2012.ssi
M.U.T.C.D.: 2009 Edition

GUIDE SIGN GM-4
ROUTE 9

STA. 54+50.0
29.00' LT. TO 35.50' LT.

SINGLE W8X24 POST
24"X7' FOUNDATION
TYPE I SIGN
ALUMINUM PLANK
AREA = 32.50 SF

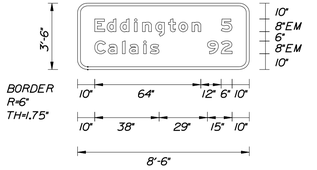


Panel Style: guide exp gore R 2012.ssi
M.U.T.C.D.: 2009 Edition

GUIDE SIGN GM-5
ROUTE 9

STA. 57+10.0
32.00' LT. TO 39.50' RT.

DOUBLE W8X18 POSTS
24"X7' FOUNDATIONS
TYPE I SIGN
ALUMINUM PLANK
AREA = 37.50 SF



Panel Style: guide exp distance.ssi
M.U.T.C.D.: 2009 Edition

GUIDE SIGN GM-6
ROUTE 9

STA. 66+90.0
41.00' RT. TO 49.50' RT.

DOUBLE W8X18 POSTS
24"X7' FOUNDATIONS
TYPE I SIGN
ALUMINUM PLANK
AREA = 29.75 SF

NOT TO SCALE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1891(500)

WIN
018915.00

HIGHWAY PLANS

ALBERT L. GOODWIN JR. No. 4226 LICENSED PROFESSIONAL ENGINEER STATE OF MAINE

SIGNATURE
4226
P.E. NUMBER
9/7/21
DATE

PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	ALG	MSM	7/21
CHECKED-REVIEWED	ALG	ALG	7/21
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

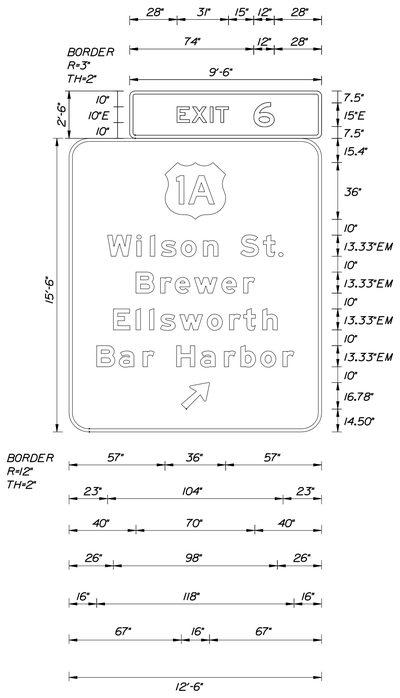
GUIDE SIGN DETAILS

SHEET NUMBER

LS37

OF 56

Filename: ...\LS37_Guide Sign Details.dgn Division: HIGHWAY Username: morin Date:9/6/2021

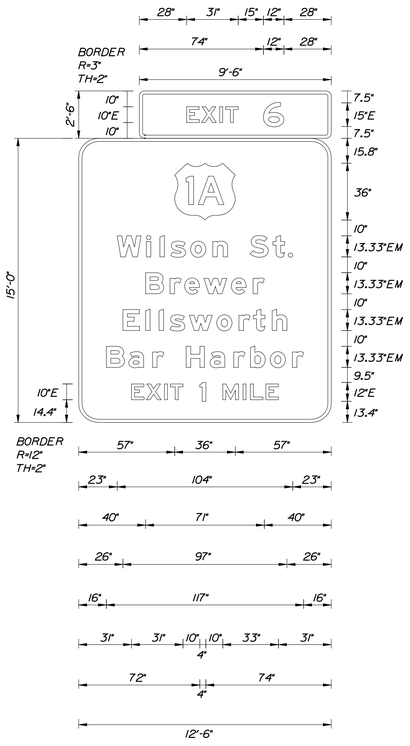


Panel Style: guide exp advance intermediate.ssi
M.U.T.C.D.: 2009 Edition

GUIDE SIGN GM-7
ROUTE 9

STA. 66+25.0
29.0' LT. TO 41.5' LT.

DOUBLE W12X26 POSTS
30"X10' FOUNDATIONS
TYPE I SIGN
ALUMINUM PLANK
AREA = 217.50 SF

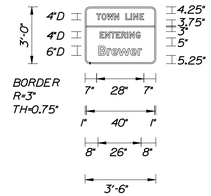


Panel Style: guide exp advance intermediate.ssi
M.U.T.C.D.: 2009 Edition

GUIDE SIGN GM-8
ROUTE 9

STA. 119+50.0
32.0' LT. TO 44.5' LT.

DOUBLE W12X26 POSTS
30"X10' FOUNDATIONS
TYPE I SIGN
ALUMINUM PLANK
AREA = 211.25 SF

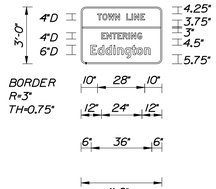


Panel Style: guide con boundary 2009.ssi
M.U.T.C.D.: 2009 Edition

GUIDE SIGN GM-9
ROUTE 9

STA. 194+83.6, 31.5' LT.

SINGLE W6X9 POST
18"X5.5' FOUNDATION
TYPE I SIGN
ALUMINUM PLANK
AREA = 10.50 SF



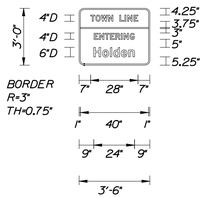
Panel Style: guide con boundary 2009.ssi
M.U.T.C.D.: 2009 Edition

GUIDE SIGN GM-10
ROUTE 9
STA. 194+80.3, 32.0' RT.

GUIDE SIGN GM-12
ROUTE 9
STA. 235+17.9, 35.0' LT.

GUIDE SIGN GM-14
ROUTE 9
STA. 266+29.4, 35.0' RT.

SINGLE W8X24 POST
24"X7' FOUNDATION
TYPE I SIGN
ALUMINUM PLANK
AREA = 12.00 SF



Panel Style: guide con boundary 2009.ssi
M.U.T.C.D.: 2009 Edition

GUIDE SIGN GM-11
ROUTE 9
STA. 233+00.5, 34.5' RT.

GUIDE SIGN GM-13
ROUTE 9
STA. 266+18.4, 34.5' LT.

SINGLE W6X9 POST
18"X5.5' FOUNDATION
TYPE I SIGN
ALUMINUM PLANK
AREA = 10.50 SF

NOT TO SCALE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1891(500)

WIN
018915.00

HIGHWAY PLANS

STATE OF MAINE · ALBERT L. GODFREY · No. 4226 · LICENSED PROFESSIONAL ENGINEER

ALBERT L GODFREY
SIGNATURE
4226
P.E. NUMBER
9/7/21
DATE

PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	ALG	7/21	MSM
CHECKED-REVIEWED	ALG	7/21	ALG
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

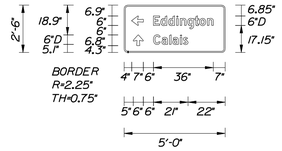
GUIDE SIGN DETAILS

SHEET NUMBER

LS38

OF 56

Filename: ...\LS38_Guide Sign Details.dgn Division: HIGHWAY Username: morin Date:9/6/2021

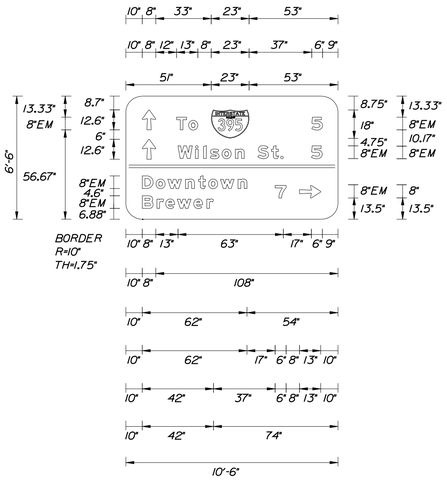


Panel Style: guide con destination 2-line 2012.ssi
M.U.T.C.D.: 2009 Edition

GUIDE SIGN GM-15
ROUTE 9

STA. 322+50.0
32.0' RT. TO 37.0' RT.

SINGLE W6X15 POST
18"X5.5' FOUNDATION
TYPE I SIGN
ALUMINUM PLANK
AREA = 12.50 SF

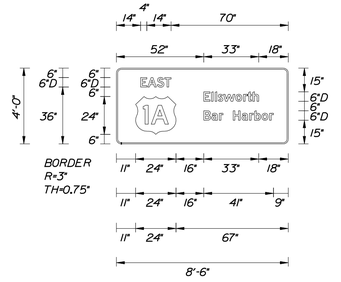


Panel Style: guide exp distance.ssi
M.U.T.C.D.: 2009 Edition

GUIDE SIGN GM-16
ROUTE 9

STA. 330+50.0
32.0' LT. TO 42.5' LT.

DOUBLE W8X18 POSTS
24"X7' FOUNDATIONS
TYPE I SIGN
ALUMINUM PLANK
AREA = 68.25 SF



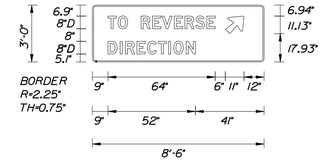
Panel Style: guide con destination 2-line 2012.ssi
M.U.T.C.D.: 2009 Edition

GUIDE SIGN GM-17A
ROUTE 1A JUGHANDLE

STA. 5000+35.0
10.0' RT. TO 18.5' RT.

DOUBLE W8X18 POSTS
24"X7' FOUNDATIONS
TYPE I SIGN
ALUMINUM PLANK
AREA = 34.00 SF

NOTE: MOUNT ABOVE
GUIDE SIGN GM-17B
ON SAME POSTS.



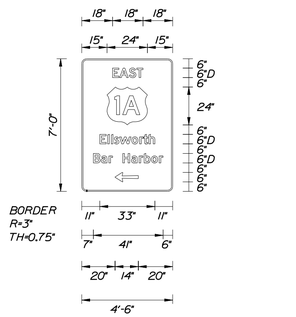
Panel Style: guide con destination 2-line 2012.ssi
M.U.T.C.D.: 2009 Edition

GUIDE SIGN GM-17B
ROUTE 1A JUGHANDLE

STA. 5000+35.0
10.0' RT. TO 18.5' RT.

DOUBLE W8X18 POSTS
24"X7' FOUNDATIONS
TYPE I SIGN
ALUMINUM PLANK
AREA = 25.50 SF

NOTE: MOUNT BELOW
GUIDE SIGN GM-17A
ON SAME POSTS.

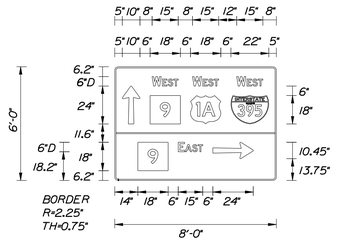


Panel Style: guide con destination 3-line 2012.ssi
M.U.T.C.D.: 2009 Edition

GUIDE SIGN GM-18
ROUTE 1A JUGHANDLE

STA. 5001+85.0
209.5' RT. TO 214.0' RT.

SINGLE W8X24 POST (15')
24"X7' FOUNDATION
TYPE I SIGN
ALUMINUM PLANK
AREA = 31.50 SF

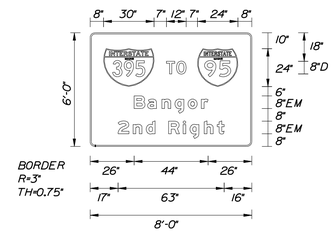


Panel Style: guide con destination 2-line 2012.ssi
M.U.T.C.D.: 2009 Edition

GUIDE SIGN GM-19
ROUTE 1A

STA. 528+40.0
31.0' LT. TO 39.0' LT.

DOUBLE W8X18 POSTS
24"X7' FOUNDATIONS
TYPE I SIGN
ALUMINUM PLANK
AREA = 48.00 SF

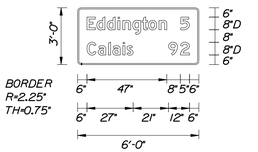


Panel Style: guide con destination 3-line 2012.ssi
M.U.T.C.D.: 2009 Edition

GUIDE SIGN GM-20
ROUTE 1A

STA. 529+50.0
31.0' LT. TO 39.0' LT.

DOUBLE W8X18 POSTS
24"X7' FOUNDATIONS
TYPE I SIGN
ALUMINUM PLANK
AREA = 48.00 SF



Panel Style: guide con distance 2012.ssi
M.U.T.C.D.: 2009 Edition

GUIDE SIGN GM-21
ROUTE 1A

STA. 532+25.0, 31.0' LT. TO 39.0' LT.

DOUBLE W8X18 POSTS
24"X7' FOUNDATIONS
TYPE I SIGN
ALUMINUM PLANK
AREA = 18.00 SF

NOT TO SCALE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1891(500)

WIN
018915.00

HIGHWAY PLANS

STATE OF MAINE · ALBERT L GODFREY · No. 4239 · LICENSED PROFESSIONAL ENGINEER

SIGNATURE
4226
P.E. NUMBER
9/7/21
DATE

	R. MOULTON	DATE
PROJ. MANAGER		
DESIGN-DETAILED	ALG	7/21
CHECKED-REVIEWED	ALG	7/21
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

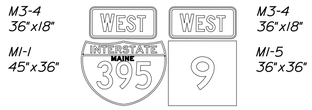
GUIDE SIGN DETAILS

SHEET NUMBER

LS39

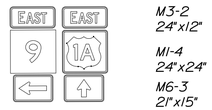
OF 56

Filename: ...\LS39_Guide Sign Details.dgn Division: HIGHWAY Username: morin Date:9/6/2021



M3-4 36"x18" | M3-4 36"x18"
MI-1 45"x36" | MI-5 36"x36"

STA. 25+00. 76.0' LT.
TYPE I SIGN ASSEMBLY
W8X24 POST
BREAKAWAY BASE
24"x7.0' FOUNDATION
AREA = 29.25 SF



M3-2 24"x12" | M3-2 24"x12"
MI-5 24"x24" | MI-4 24"x24"
M6-1L 21"x15" | M6-3 21"x15"

STA. 518+46.0. 28.0' RT.
TYPE II SIGN ASSEMBLY
DOUBLE 4x4 WOOD POSTS
AREA = 16.38 SF

M4-6 36"x18" INTERSTATE
MI-1 45"x36"

TYPE I SIGN ASSEMBLY
ATTACH TO BACK OF
GUIDE SIGN GM-2
STA. 52+50 LT.
AREA = 15.75 SF

M4-6 36"x18" INTERSTATE
MI-1 45"x36"

TYPE I SIGN ASSEMBLY
W6x15 POST
18"x5.5' FOUNDATION
STA. 700+25. 16.0' RT.
AREA = 15.75 SF

M3-2 36"x18"
MI-5 36"x36"

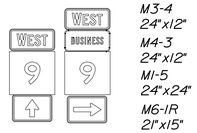
STA. 75+00. 30.5' RT.
TYPE I SIGN ASSEMBLY
W6x9 POST
18"x5.5' FOUNDATION
AREA = 13.50 SF

M3-4 36"x18"
MI-5 36"x36"

STA. 322+00. 38.0' LT.
TYPE I SIGN ASSEMBLY
W6x9 POST
18"x5.5' FOUNDATION
AREA = 13.50 SF

M3-4 24"x12"
M4-3 24"x12"
MI-5 24"x24"
M6-1L 21"x15"
M3-2 24"x12"
MI-5 24"x24"
M6-3 21"x15"

STA. 324+00.0. 34.0' RT.
TYPE II SIGN ASSEMBLY
SINGLE 6x6 WOOD POST
AREA = 18.38 SF



M3-4 24"x12"
MI-5 24"x24"
M6-3 21"x15"
M3-4 24"x12"
M4-3 24"x12"
MI-5 24"x24"
M6-1R 21"x15"

STA. 328+50.0. 46.0' LT.
TYPE II SIGN ASSEMBLY
SINGLE 6x6 WOOD POST
AREA = 18.38 SF

M3-2 24"x12"
MI-5 24"x24"

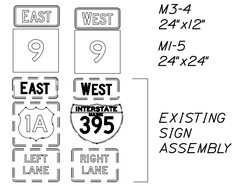
STA. 329+50.0. 33.0' RT.
TYPE II SIGN ASSEMBLY
SINGLE 6x6 WOOD POST
AREA = 6.00 SF

M3-4 24"x12"
M4-3 24"x12"
MI-5 24"x24"

STA. 408+50.0. 28.0' LT.
TYPE II SIGN ASSEMBLY
SINGLE 6x6 WOOD POST
AREA = 8.00 SF

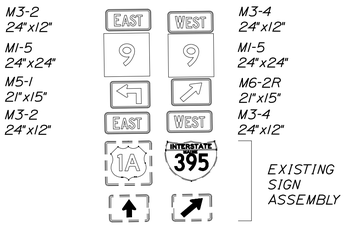
M3-2 24"x12"
MI-5 24"x24"
M6-1L 21"x15"
M3-4 24"x12"
MI-5 24"x24"
M6-1R 21"x15"

STA. 410+50.0. 28.0' RT.
TYPE II SIGN ASSEMBLY
SINGLE 6x6 WOOD POST
AREA = 16.38 SF



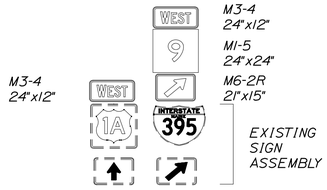
M3-2 24"x12"
MI-5 24"x24"
M3-4 24"x12"
MI-5 24"x24"
EXISTING SIGN ASSEMBLY

STA. 497+85.0 RT.
DEMOUNT EXISTING SIGN ASSEMBLY (6 SIGNS).
REINSTALL 6 EXISTING SIGNS AND INSTALL 4
NEW TYPE II SIGNS ON DOUBLE 4x6 WOOD POSTS.
AREA = 12.00 SF (NEW)



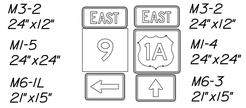
M3-2 24"x12"
MI-5 24"x24"
M5-1 21"x15"
M3-2 24"x12"
M3-4 24"x12"
MI-5 24"x24"
M6-2R 21"x15"
M3-4 24"x12"
EXISTING SIGN ASSEMBLY

STA. 508+64.0 RT.
DEMOUNT EXISTING SIGN ASSEMBLY (4 SIGNS).
REINSTALL 4 EXISTING SIGNS AND INSTALL 8
NEW TYPE II SIGNS ON DOUBLE 4x6 WOOD POSTS.
AREA = 20.38 SF (NEW)



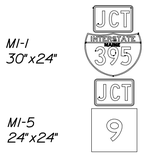
M3-4 24"x12"
M3-4 24"x12"
MI-5 24"x24"
M6-2R 21"x15"
EXISTING SIGN ASSEMBLY

STA. 511+37.0 LT.
DEMOUNT EXISTING SIGN ASSEMBLY (4 SIGNS).
REINSTALL 4 EXISTING SIGNS AND INSTALL 4
NEW TYPE II SIGNS ON DOUBLE 4x6 WOOD POSTS.
AREA = 10.19 SF (NEW)



M3-2 24"x12"
MI-5 24"x24"
M6-1L 21"x15"
M3-2 24"x12"
MI-4 24"x24"
M6-3 21"x15"

STA. 518+46.0. 28.0' RT.
TYPE II SIGN ASSEMBLY
DOUBLE 4x4 WOOD POSTS
AREA = 16.38 SF



MI-1 30"x24"
M2-1 21"x15" INTERSTATE
M2-1 21"x15"
MI-5 24"x24"

STA. 535+20.0. 33.0' LT.
TYPE II SIGN ASSEMBLY
SINGLE 6X6 WOOD POST
AREA = 13.38 SF

NOT TO SCALE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1891(500)

WIN 018915.00

HIGHWAY PLANS

STATE OF MAINE * ALBERT L GODFREY No. 4226 * LICENSED PROFESSIONAL ENGINEER

SIGNATURE
P.E. NUMBER 4226
DATE 9/7/21

	BY	DATE
PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	ALC	8/21
CHECKED-REVIEWED	ALC	8/21
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

ROUTE ASSEMBLY SUMMARY

SHEET NUMBER
LS40
OF 56

Filename: ...\LS40_Route Assembly Summary.dgn Division: HIGHWAY Username: morin Date:9/6/2021

NUMBER	SIZE OF SIGN		GRAPHIC	NUMBER OF SIGNS REQUIRED	COLOR		TOTAL AREA IN SQ. FEET	TYPE	SUPPORT	REMARKS
	WIDTH (IN)	HEIGHT (IN)			BACK-GROUND	LEGEND BORDER				
RI-1	36	36	STOP	1	RED	WHITE	7.88	II	6"X6" WOOD POST	---
RI-2	48	48	YIELD	3	WHITE	RED	27.21	I	W6X9	---
RI-2	48	48	YIELD	1	WHITE	RED	9.07	II	4"X6" WOOD POST	---
R2-1(55)	48	60	SPEED LIMIT 55	2	WHITE	BLACK	40.00	I	W6X15	---
R2-1(55)	36	48	SPEED LIMIT 55	2	WHITE	BLACK	24.00	I	W6X9	---
R2-1(45)	36	48	SPEED LIMIT 45	1	WHITE	BLACK	12.00	I	W6X9	---
R2-1(45)	24	30	SPEED LIMIT 45	1	WHITE	BLACK	5.00	II	6"X6" WOOD POST	---
R2-1(40)	24	30	SPEED LIMIT 40	1	WHITE	BLACK	5.00	II	6"X6" WOOD POST	---
R3-5a	30	36	ONLY	4	WHITE	BLACK	30.00	I	ON SPANWIRE	---
R3-5R	30	36	ONLY	1	WHITE	BLACK	7.50	I	ON SPANWIRE	---
R3-9c(MOD)	30	36	BEGIN	1	WHITE	BLACK	7.50	I	ON SPANWIRE	---
R3-9d(MOD)	30	36	END	1	WHITE	BLACK	7.50	I	ON SPANWIRE	---
R4-7	48	60		1	WHITE	BLACK	20.00	I	W6X15	WITH OMI-1

NUMBER	SIZE OF SIGN		GRAPHIC	NUMBER OF SIGNS REQUIRED	COLOR		TOTAL AREA IN SQ. FEET	TYPE	SUPPORT	REMARKS
	WIDTH (IN)	HEIGHT (IN)			BACK-GROUND	LEGEND BORDER				
R5-1	48	48	DO NOT ENTER	2	WHITE	RED	32.00	I	W6X9	SEE PLAN NOTES
R5-1	36	36	DO NOT ENTER	4	WHITE	RED	36.00	II	4"X6" WOOD POST	---
R5-1A	42	30	WRONG WAY	2	WHITE	RED	17.50	I	ATTACH TO LIGHT POLE	---
R5-1A	36	24	WRONG WAY	6	WHITE	RED	30.00	II	4"X6" WOOD POST	---
R5-10a (MOD)	30	36	PROHIBITED ON THIS HIGHWAY PEDESTRIANS BICYCLES HITCHHIKERS MOTORSCOOTERS ATVS ANIMALS RIDDEN DRAWN OR LED FARM EQUIPMENT OVER 96" WIDE	2	WHITE	BLACK	15.00	II	4"X6" WOOD POST	SEE PLAN NOTES
OMI-1	18	18		1	YELLOW	BLACK	2.25	I	W6X15	WITH R4-7
WI-2R	30	30		1	YELLOW	BLACK	6.25	II	6"X6" WOOD POST	---
WI-5	36	36		2	YELLOW	BLACK	18.00	I	ATTACH TO LIGHT POLE	---
WI-8R	30	36		25	YELLOW	BLACK	187.50	II	4"X6" WOOD POST	---
WI-8R	18	24		3	YELLOW	BLACK	9.00	II	U-CHANNEL	---
WI-11	36	36		1	YELLOW	BLACK	9.00	I	W6X9	---
WI-15	36	36		2	YELLOW	BLACK	18.00	I	W6X9	---
W3-1	30	30		1	YELLOW	RED/ BLACK	6.25	II	6"X6" WOOD POST	---

NOT TO SCALE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1891(500)

WIN
018915.00

HIGHWAY PLANS

STATE OF MAINE * REGISTERED PROFESSIONAL ENGINEER * ALBERT L. GODFREY No. 4226

SIGNATURE		
P.E. NUMBER	4226	
DATE	9/7/21	

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

	BY	DATE
	MSM	8/21
	ALG	8/21

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

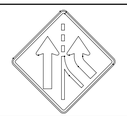
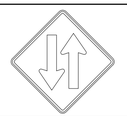
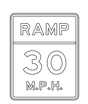
SIGN SUMMARY

SHEET NUMBER

LS41

OF 56

Filename: ...\mst0\LS41_Sign Summary.dgn Division: HIGHWAY Username: morin Date:9/6/2021

NUMBER	SIZE OF SIGN		GRAPHIC	NUMBER OF SIGNS REQUIRED	COLOR		TOTAL AREA IN SQ. FEET	TYPE	SUPPORT	REMARKS
	WIDTH (IN)	HEIGHT (IN)			BACK-GROUND	LEGEND BORDER				
W4-1R	48	48		2	YELLOW	BLACK	32.00	I	W6X9	---
W4-1R	36	36		1	YELLOW	BLACK	9.00	I	ATTACH TO LIGHT POLE	---
W4-3R	48	48		1	YELLOW	BLACK	16.00	I	W6X9	---
W6-1	48	48		1	YELLOW	BLACK	16.00	I	W6X9	---
W6-2	48	48		1	YELLOW	BLACK	16.00	I	ATTACH TO LIGHT POLE	---
W6-3	48	48		1	YELLOW	BLACK	16.00	I	ATTACH TO LIGHT POLE	---
W13-1P (30)	24	24		3	YELLOW	BLACK	12.00	I	VARIES. SEE PLAN NOTES.	WITH RAMP CURVE SIGNAGE
W13-1P (25)	24	24		2	YELLOW	BLACK	8.00	I	VARIES. SEE PLAN NOTES.	WITH RAMP CURVE SIGNAGE
W13-3 (30)	36	48		3	YELLOW	BLACK	36.00	I	W6X9	---
W13-3 (25)	36	48		1	YELLOW	BLACK	12.00	I	W6X9	---
W14-1	30	30		1	YELLOW	BLACK	6.25	II	6"X6" WOOD POST	---
W23-2	36	36		1	YELLOW	BLACK	9.00	II	6"X6" WOOD POST	---
M1-1 (395)	45	36		3		WHITE	33.75	I	ROUTE ASSEMBLY	"MAINE" 2.25" D FONT & SEE DETAILS

NUMBER	SIZE OF SIGN		GRAPHIC	NUMBER OF SIGNS REQUIRED	COLOR		TOTAL AREA IN SQ. FEET	TYPE	SUPPORT	REMARKS
	WIDTH (IN)	HEIGHT (IN)			BACK-GROUND	LEGEND BORDER				
M1-1 (395)	30	24		1	RED TOP/ BLUE BOTTOM	WHITE	5.00	II	ROUTE ASSEMBLY	"MAINE" 1.5" D FONT & SEE DETAILS
M1-4	24	24		2	WHITE	BLACK	8.00	II	ROUTE ASSEMBLY	SEE DETAILS
M1-5	36	36		3	WHITE	BLACK	27.00	I	ROUTE ASSEMBLY	SEE DETAILS
M1-5	24	24		16	WHITE	BLACK	64.00	II	ROUTE ASSEMBLY	SEE DETAILS
M2-1 INTERSTATE	21	15		1	BLUE	WHITE	2.19	II	ROUTE ASSEMBLY	SEE DETAILS
M2-1	21	15		1	WHITE	BLACK	2.19	II	ROUTE ASSEMBLY	SEE DETAILS
M3-2	36	18		1	WHITE	BLACK	4.50	I	ROUTE ASSEMBLY	SEE DETAILS
M3-2	24	12		10	WHITE	BLACK	20.00	II	ROUTE ASSEMBLY	SEE DETAILS
M3-4 INTERSTATE	36	18		1	BLUE	WHITE	4.50	I	ROUTE ASSEMBLY	SEE DETAILS
M3-4 INTERSTATE	24	12		1	BLUE	WHITE	2.00	II	ROUTE ASSEMBLY	SEE DETAILS
M3-4	36	18		2	WHITE	BLACK	9.00	I	ROUTE ASSEMBLY	SEE DETAILS
M3-4	24	12		9	WHITE	BLACK	18.00	II	ROUTE ASSEMBLY	SEE DETAILS
M4-3	24	12		3	WHITE	BLACK	6.00	II	ROUTE ASSEMBLY	SEE DETAILS

NOT TO SCALE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1891(500)

WIN
018915.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	MSM	8/21
CHECKED-REVIEWED	ALG	8/21
DESIGN2-DETAILED2	ALG	
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

P.E. NUMBER
4226
SIGNATURE
9/7/21
DATE

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

SIGN SUMMARY

SHEET NUMBER
LS42
OF 56

Filename: ...\mslo\LS42_Sign Summary.dgn Division: HIGHWAY Username: morin Date:9/6/2021

NUMBER	SIZE OF SIGN		GRAPHIC	NUMBER OF SIGNS REQUIRED	COLOR		TOTAL AREA IN SQ. FEET	TYPE	SUPPORT	REMARKS
	WIDTH (IN)	HEIGHT (IN)			BACK-GROUND	LEGEND BORDER				
M4-6 INTERSTATE	36	18	END	2	BLUE	WHITE	9.00	I	ROUTE ASSEMBLY	SEE DETAILS
M5-I	21	15		I	WHITE	BLACK	2.19	II	ROUTE ASSEMBLY	SEE DETAILS
M6-IL	21	15		4	WHITE	BLACK	8.76	II	ROUTE ASSEMBLY	SEE DETAILS
M6-IR	21	15		2	WHITE	BLACK	4.38	II	ROUTE ASSEMBLY	SEE DETAILS
M6-2R	21	15		2	WHITE	BLACK	4.38	II	ROUTE ASSEMBLY	SEE DETAILS
M6-IL	21	15		4	WHITE	BLACK	8.76	II	ROUTE ASSEMBLY	SEE DETAILS
---	24	24	3/4	I	GREEN	WHITE	4.00	I	INSTALL PLAQUE ON EXISTING GUIDE SIGN	SEE PLAN NOTES
GS OH-IA	150	132	9 EAST Wilson St. Calais LEFT LANE	I	GREEN	WHITE	137.50	I	REPLACE SIGN ON EXISTING SUPPORT STRUCTURE	SEE DETAILS
GS OH-2A	132	120	9 EAST Calais ½ MILE	I	GREEN	WHITE	110.00	I	NEW SIGN BRIDGE TRUSS	SEE DETAILS
GS OH-2B	156	162 (INCL. EXIT PLAQUE)	EXIT 6B 1A WEST Wilson St. Brewer EXIT ½ MILE	I	GREEN	WHITE	171.75	I	NEW SIGN BRIDGE TRUSS	SEE DETAILS
GS OH-2C	216	210 (INCL. EXIT PLAQUE)	EXIT 6A TO COASTAL ROUTE 1 1A EAST Ellsworth Bar Harbor EXIT ONLY	I	GREEN	WHITE	298.75	I	NEW SIGN BRIDGE TRUSS	SEE DETAILS
GS OH-4A	180	150	9 EAST Eddington Calais EXIT ONLY	I	GREEN	WHITE	187.50	I	NEW SIGN BRIDGE TRUSS	SEE DETAILS
GS OH-4B	138	180 (INCL. EXIT PLAQUE)	EXIT 6B 1A WEST Wilson St. Brewer	I	GREEN	WHITE	167.50	I	NEW SIGN BRIDGE TRUSS	SEE DETAILS

NUMBER	SIZE OF SIGN		GRAPHIC	NUMBER OF SIGNS REQUIRED	COLOR		TOTAL AREA IN SQ. FEET	TYPE	SUPPORT	REMARKS
	WIDTH (IN)	HEIGHT (IN)			BACK-GROUND	LEGEND BORDER				
GS OH-5A	84	66	1A EAST Ellsworth Bar Harbor	I	GREEN	WHITE	38.50	I	NEW SIGN BRIDGE TRUSS	SEE DETAILS
GS OH-5B	84	72	WEST TO 9 TO 395 95 Bangor Only	I	GREEN	WHITE	42.00	I	NEW SIGN BRIDGE TRUSS	SEE DETAILS
GS OH-6A	78	72	1A WEST Wilson St.	I	GREEN	WHITE	39.00	I	NEW SIGN BRIDGE TRUSS	SEE DETAILS
GS OH-6B	84	72	Ellsworth Bar Harbor 1000 FT AHD	I	GREEN	WHITE	42.00	I	NEW SIGN BRIDGE TRUSS	SEE DETAILS
GS GM-I	90	60	EXIT 6A	I	GREEN	WHITE	37.50	I	DOUBLE W8X18	SEE DETAILS
GS GM-2	114	78	WEST WEST INTERSTATE 395 9	I	GREEN	WHITE	61.75	I	DOUBLE W8X18	SEE DETAILS
GS GM-3	72	78	Ellsworth Bar Harbor 1000 FEET TAKE RIGHT AFTER SIGNAL	I	GREEN	WHITE	39.00	I	DOUBLE W8X18	SEE DETAILS
GS GM-4	78	60	EXIT 6	I	GREEN	WHITE	32.50	I	SINGLE W8X24	SEE DETAILS
GS GM-5	90	60	EXIT 6B	I	GREEN	WHITE	37.50	I	DOUBLE W8X18	SEE DETAILS
GS GM-6	102	42	Eddington 5 Calais 92	I	GREEN	WHITE	29.75	I	DOUBLE W8X18	SEE DETAILS
GS GM-7	150	216 (INCL. EXIT PLAQUE)	EXIT 6 1A Wilson St. Brewer Ellsworth Bar Harbor	I	GREEN	WHITE	217.50	I	DOUBLE W12X26	SEE DETAILS
GS GM-8	150	210 (INCL. EXIT PLAQUE)	EXIT 6 1A Wilson St. Brewer Ellsworth Bar Harbor EXIT 1 MILE	I	GREEN	WHITE	211.25	I	DOUBLE W12X26	SEE DETAILS
GS GM-9	42	36	CITY LINE ENTERING BREWER	I	GREEN	WHITE	10.50	I	SINGLE W6X9	SEE DETAILS

NOT TO SCALE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1891(500)

WIN 018915.00

HIGHWAY PLANS

STATE OF MAINE · ALBERT L GODFREY · No. 4226 · LICENSED PROFESSIONAL ENGINEER

	BY	DATE
PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	ALG	8/21
CHECKED-REVIEWED	ALG	8/21
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

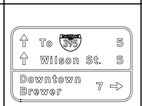
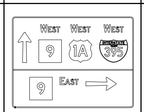
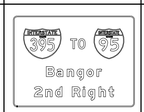
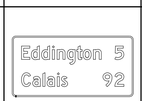
SIGNATURE
P.E. NUMBER 4226
9/7/21
DATE

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

SIGN SUMMARY

SHEET NUMBER
LS43
OF 56

Filename: ...\mslo\LS43_Sign Summary.dgn Division: HIGHWAY Username: morin Date:9/6/2021

NUMBER	SIZE OF SIGN		GRAPHIC	NUMBER OF SIGNS REQUIRED	COLOR		TOTAL AREA IN SQ. FEET	TYPE	SUPPORT	REMARKS
	WIDTH (IN)	HEIGHT (IN)			BACK-GROUND	LEGEND BORDER				
GS GM-10	48	36		1	GREEN	WHITE	12.00	1	SINGLE W8X24	SEE DETAILS
GS GM-11	42	36		1	GREEN	WHITE	10.50	1	SINGLE W6X9	SEE DETAILS
GS GM-12	48	36		1	GREEN	WHITE	12.00	1	SINGLE W8X24	SEE DETAILS
GS GM-13	42	36		1	GREEN	WHITE	10.50	1	SINGLE W6X9	SEE DETAILS
GS GM-14	48	36		1	GREEN	WHITE	12.00	1	SINGLE W8X24	SEE DETAILS
GS GM-15	60	30		1	GREEN	WHITE	12.50	1	SINGLE W6X15	SEE DETAILS
GS GM-16	126	78		1	GREEN	WHITE	68.25	1	DOUBLE W8X18	SEE DETAILS
GS GM-17A	102	48		1	GREEN	WHITE	34.00	1	DOUBLE W8X18 (WITH GM-17B)	SEE DETAILS
GS GM-17B	102	36		1	GREEN	WHITE	25.50	1	DOUBLE W8X18 (WITH GM-17A)	SEE DETAILS
GS GM-18	54	84		1	GREEN	WHITE	31.50	1	SINGLE W8X24	SEE DETAILS
GS GM-19	96	72		1	GREEN	WHITE	48.00	1	DOUBLE W8X18	SEE DETAILS
GS GM-20	96	72		1	GREEN	WHITE	48.00	1	DOUBLE W8X18	SEE DETAILS
GS GM-21	72	36		1	GREEN	WHITE	18.00	1	DOUBLE W8X18	SEE DETAILS

NUMBER	SIZE OF SIGN		GRAPHIC	NUMBER OF SIGNS REQUIRED	COLOR		TOTAL AREA IN SQ. FEET	TYPE	SUPPORT	REMARKS
	WIDTH (IN)	HEIGHT (IN)			BACK-GROUND	LEGEND BORDER				

NOT TO SCALE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1891(500)

WIN 018915.00

HIGHWAY PLANS

STATE OF MAINE · ALBERT L. GODFREY · No. 4226 · LICENSED PROFESSIONAL ENGINEER

ALBERT L GODFREY
SIGNATURE
4226
P.E. NUMBER
9/7/21
DATE

	BY	DATE
PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	ALG	8/21
CHECKED-REVIEWED	ALG	8/21
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

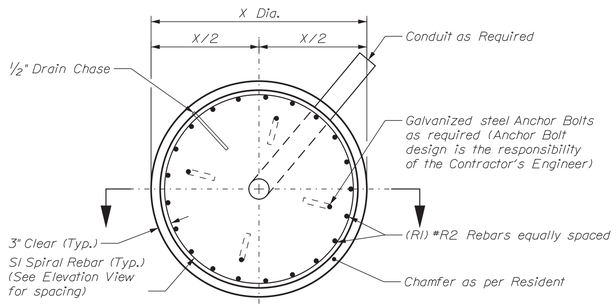
SIGN SUMMARY

SHEET NUMBER

LS44

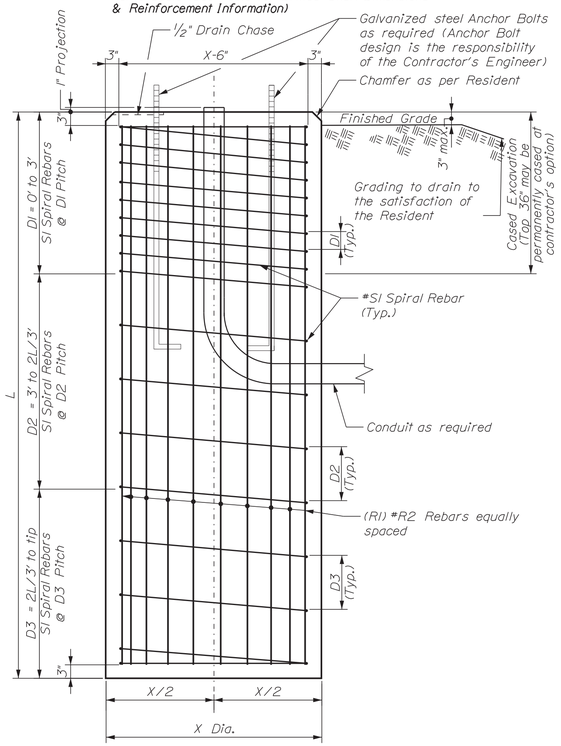
OF 56

Filename: ...\mslo\LS44_Sign Summary.dgn Division: HIGHWAY Username: morin Date:9/6/2021



Drilled Shaft Plan View

Not to Scale (See Table for Drilled Shaft Dimensions & Reinforcement Information)



Drilled Shaft Elevation View

Not to Scale (See Table for Drilled Shaft Dimensions & Reinforcement Information)

LIGHTING POLES

See Tables and Boring Location Plans for Station & Offsets, Branch & Structure Number of Lighting Poles.

NOTES:

1. All reinforcing steel shall be grade 60 and conform to MaineDOT Standard Specification requirements along with any project specific Supplementals or Special Provisions.
2. All rebar shall have 3" cover unless otherwise noted.
3. Should there be a discrepancy between these Details and actual observed field conditions report it to the Resident immediately.
4. Do not proceed with dependent work until any such discrepancy is resolved to the satisfaction of the Resident.
5. Concrete to be Class LP with f'c = 5,000 PSI.

Branch A

Structure No.	Station	Offset	Boring Location Plan Sheet No.	Drilled Shaft Dimensions X Diameter (feet)	Drilled Shaft Dimensions L Length (feet)	Reinforcing Steel R1 Longitudinal Rebars Quantity	Reinforcing Steel R2 Longitudinal Rebars Size	Reinforcing Steel S1 Spiral Rebars Size	Spiral Bar Spacing D1 (in) 0 to 3 ft	Spiral Bar Spacing D2 (in) 3 ft to 2L/3 ft	Spiral Bar Spacing D3 (in) 2L/3 ft to tip
A1	602+50	15' Right	LS45	2.5	8.0	12	#8	#5	4	8	12
A2	605+00	15' Right	LS45	2.5	8.0	12	#8	#5	4	8	12
A3	607+50	15' Right	LS47	2.5	8.0	12	#8	#5	4	8	12
A4	610+00	15' Right	LS47	2.5	8.0	12	#8	#5	4	8	12
A5	612+50	15' Right	LS47	2.5	8.0	12	#8	#5	4	8	12

Branch B

Structure No.	Station	Offset	Boring Location Plan Sheet No.	Drilled Shaft Dimensions X Diameter (feet)	Drilled Shaft Dimensions L Length (feet)	Reinforcing Steel R1 Longitudinal Rebars Quantity	Reinforcing Steel R2 Longitudinal Rebars Size	Reinforcing Steel S1 Spiral Rebars Size	Spiral Bar Spacing D1 (in) 0 to 3 ft	Spiral Bar Spacing D2 (in) 3 ft to 2L/3 ft	Spiral Bar Spacing D3 (in) 2L/3 ft to tip
B1	2003+00	43' Left	LS46	2.5	8.0	12	#8	#5	4	8	12
B2	2004+25	49' Left	LS46	2.5	8.0	12	#8	#5	4	8	12
B3	2005+50	51' Left	LS46	2.5	8.0	12	#8	#5	4	8	12
B4	2006+75	51' Left	LS46	2.5	8.0	12	#8	#5	4	8	12
B5	2008+00	53' Left	LS47	2.5	8.0	12	#8	#5	4	8	12
B6	2009+25	61' Left	LS47	2.5	8.0	12	#8	#5	4	8	12

Branch D

Structure No.	Station	Offset	Boring Location Plan Sheet No.	Drilled Shaft Dimensions X Diameter (feet)	Drilled Shaft Dimensions L Length (feet)	Reinforcing Steel R1 Longitudinal Rebars Quantity	Reinforcing Steel R2 Longitudinal Rebars Size	Reinforcing Steel S1 Spiral Rebars Size	Spiral Bar Spacing D1 (in) 0 to 3 ft	Spiral Bar Spacing D2 (in) 3 ft to 2L/3 ft	Spiral Bar Spacing D3 (in) 2L/3 ft to tip
D1	909+00	25' Left	LS55	2.5	8.0	12	#8	#5	4	8	12
D2	907+75	25' Left	LS55	2.5	8.0	12	#8	#5	4	8	12
D3	906+50	25' Left	LS55	2.5	8.0	12	#8	#5	4	8	12
D4	905+25	25' Left	LS55	2.5	8.0	12	#8	#5	4	8	12
D5	904+15	26.5' Left	LS55	2.5	8.0	12	#8	#5	4	8	12
D6	902+50	15' Right	LS50	2.5	8.5	12	#8	#5	4	8	12
D7	901+23	15' Right	LS50	2.5	10.0	12	#8	#5	4	8	12
D8	900+00	15' Right	LS50	2.5	10.0	12	#8	#5	4	8	12
D9	60+25	39' Left	LS50	2.5	8.5	12	#8	#5	4	8	12
D10	61+50	39' Left	LS51	2.5	8.5	12	#8	#5	4	8	12
D11	63+75	37' Left	LS51	2.5	8.0	12	#8	#5	4	8	12
D12	65+00	32' Left	LS51	2.5	8.0	12	#8	#5	4	8	12
D13	66+25	27' Left	LS51	2.5	8.0	12	#8	#5	4	8	12

Branch E

Structure No.	Station	Offset	Boring Location Plan Sheet No.	Drilled Shaft Dimensions X Diameter (feet)	Drilled Shaft Dimensions L Length (feet)	Reinforcing Steel R1 Longitudinal Rebars Quantity	Reinforcing Steel R2 Longitudinal Rebars Size	Reinforcing Steel S1 Spiral Rebars Size	Spiral Bar Spacing D1 (in) 0 to 3 ft	Spiral Bar Spacing D2 (in) 3 ft to 2L/3 ft	Spiral Bar Spacing D3 (in) 2L/3 ft to tip
E1	51+50	38' Right	LS49	2.5	10.0	12	#8	#5	4	8	12
E2	700+25	16' Right	LS49	2.5	8.0	12	#8	#5	4	8	12
E3	701+50	15' Right	LS50	2.5	8.0	12	#8	#5	4	8	12
E4	702+75	15' Right	LS50	2.5	8.0	12	#8	#5	4	8	12
E5	703+85	25' Left	LS50	2.5	8.5	12	#8	#5	4	8	12
E6	705+00	15' Right	LS50	2.5	10.0	12	#8	#5	4	8	12
E7	706+25	15' Right	LS50	2.5	10.0	12	#8	#5	4	8	12

Branch EF

Structure No.	Station	Offset	Boring Location Plan Sheet No.	Drilled Shaft Dimensions X Diameter (feet)	Drilled Shaft Dimensions L Length (feet)	Reinforcing Steel R1 Longitudinal Rebars Quantity	Reinforcing Steel R2 Longitudinal Rebars Size	Reinforcing Steel S1 Spiral Rebars Size	Spiral Bar Spacing D1 (in) 0 to 3 ft	Spiral Bar Spacing D2 (in) 3 ft to 2L/3 ft	Spiral Bar Spacing D3 (in) 2L/3 ft to tip
EF1	707+55	15' Right	LS54	2.5	8.5	12	#8	#5	4	8	12
EF2	708+85	15' Right	LS54	2.5	8.5	12	#8	#5	4	8	12
EF3	711+00	15' Right	LS54	2.5	8.5	12	#8	#5	4	8	12
EF4	712+30	15' Right	LS54	2.5	8.0	12	#8	#5	4	8	12
EF5	713+60	15' Right	LS54	2.5	8.0	12	#8	#5	4	8	12
EF6	714+90	15' Right	LS53	2.5	8.0	12	#8	#5	4	8	12
EF7	716+30	15' Right	LS53	2.5	8.0	12	#8	#5	4	8	12
EF8	718+85	15' Right	LS53	2.5	8.0	12	#8	#5	4	8	12
EF9	523+05	32' Left	LS53	2.5	8.0	12	#8	#5	4	8	12
EF10	524+25	33' Left	LS53	2.5	8.0	12	#8	#5	4	8	12
EF11	526+80	34' Left	LS53	2.5	8.0	12	#8	#5	4	8	12
EF12	801+00	15' Right	LS53	2.5	8.0	12	#8	#5	4	8	12

Branch F

Structure No.	Station	Offset	Boring Location Plan Sheet No.	Drilled Shaft Dimensions X Diameter (feet)	Drilled Shaft Dimensions L Length (feet)	Reinforcing Steel R1 Longitudinal Rebars Quantity	Reinforcing Steel R2 Longitudinal Rebars Size	Reinforcing Steel S1 Spiral Rebars Size	Spiral Bar Spacing D1 (in) 0 to 3 ft	Spiral Bar Spacing D2 (in) 3 ft to 2L/3 ft	Spiral Bar Spacing D3 (in) 2L/3 ft to tip
F1	807+50	15' Right	LS54	2.5	8.5	12	#8	#5	4	8	12
F2	809+00	15' Right	LS54	2.5	10.0	12	#8	#5	4	8	12
F3	810+30	15' Right	LS50	2.5	10.0	12	#8	#5	4	8	12
F4	811+50	15' Right	LS51	2.5	8.5	12	#8	#5	4	8	12
F5	62+00	27' Right	LS51	2.5	8.5	12	#8	#5	4	8	12
F6	813+95	15' Right	LS51	2.5	8.0	12	#8	#5	4	8	12
F7	815+20	15' Right	LS51	2.5	8.0	12	#8	#5	4	8	12
F8	65+75	39' Right	LS51	2.5	8.0	12	#8	#5	4	8	12
F9	67+00	39' Right	LS51	2.5	8.0	12	#8	#5	4	8	12
F10	68+25	39' Right	LS52	2.5	8.0	12	#8	#5	4	8	12
F11	69-50	33' Right	LS52	2.5	8.0	12	#8	#5	4	8	12

Branch NB

Structure No.	Station	Offset	Boring Location Plan Sheet No.	Drilled Shaft Dimensions X Diameter (feet)	Drilled Shaft Dimensions L Length (feet)	Reinforcing Steel R1 Longitudinal Rebars Quantity	Reinforcing Steel R2 Longitudinal Rebars Size	Reinforcing Steel S1 Spiral Rebars Size	Spiral Bar Spacing D1 (in) 0 to 3 ft	Spiral Bar Spacing D2 (in) 3 ft to 2L/3 ft	Spiral Bar Spacing D3 (in) 2L/3 ft to tip
NB1	30+08	19' Right	LS46	2.5	8.0	12	#8	#5	4	8	12
NB2	32+54	15' Right	LS47	2.5	8.0	12	#8	#5	4	8	12
NB3	35+04	9' Right	LS47	2.5	8.0	12	#8	#5	4	8	12
NB4	37+50	4' Right	LS47	2.5	8.0	12	#8	#5	4	8	12
NB5	39+44	1' Left	LS48	2.5	8.0	12	#8	#5	4	8	12
NB6	41+26	36' Right	LS48	2.5	8.0	12	#8	#5	4	8	12
NB7	42+50	32' Right	LS48	2.5	8.0	12	#8	#5	4	8	12
NB8	43+77	29' Right	LS48	2.5	8.0	12	#8	#5	4	8	12
NB9	45+51	27' Right	LS48	2.5	8.0	12	#8	#5	4	8	12
NB10	46+75	32' Right	LS49	2.5	8.0	12	#8	#5	4	8	12
NB11	48+00	37' Right	LS49	2.5	8.0	12	#8	#5	4	8	12

Branch SB

Structure No.	Station	Offset	Boring Location Plan Sheet No.	Drilled Shaft Dimensions X Diameter (feet)	Drilled Shaft Dimensions L Length (feet)	Reinforcing Steel R1 Longitudinal Rebars Quantity	Reinforcing Steel R2 Longitudinal Rebars Size	Reinforcing Steel S1 Spiral Rebars Size	Spiral Bar Spacing D1 (in) 0 to 3 ft	Spiral Bar Spacing D2 (in) 3 ft to 2L/3 ft	Spiral Bar Spacing D3 (in) 2L/3 ft to tip
SB1	2016+75	39' Left	LS48	2.5	8.0	12	#8	#5	4	8	12
SB2	3020+82	15' Right	LS48	2.5	8.0	12	#8	#5	4	8	12
SB3	3019+60	15' Right	LS48	2.5	8.0	12	#8	#5	4	8	12

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN 018915.00

HIGHWAY PLANS

STATE OF MAINE ★ ENGINEER ★ Kathleen Maguire 7120 LICENSED PROFESSIONAL

SIGNATURE

7120 P.E. NUMBER

9/28/2021 DATE

	BY	DATE
PROJ. MANAGER	R.MOULTON	
DESIGN-DETAILED	K.MAGUIRE	AUG 2021
CHECKED-REVIEWED	-----	-----
DESIGN2-DETAILED2	-----	-----
DESIGN3-DETAILED3	-----	-----
REVISIONS 1	-----	-----
REVISIONS 2	-----	-----
REVISIONS 3	-----	-----
REVISIONS 4	-----	-----
FIELD CHANGES	-----	-----

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

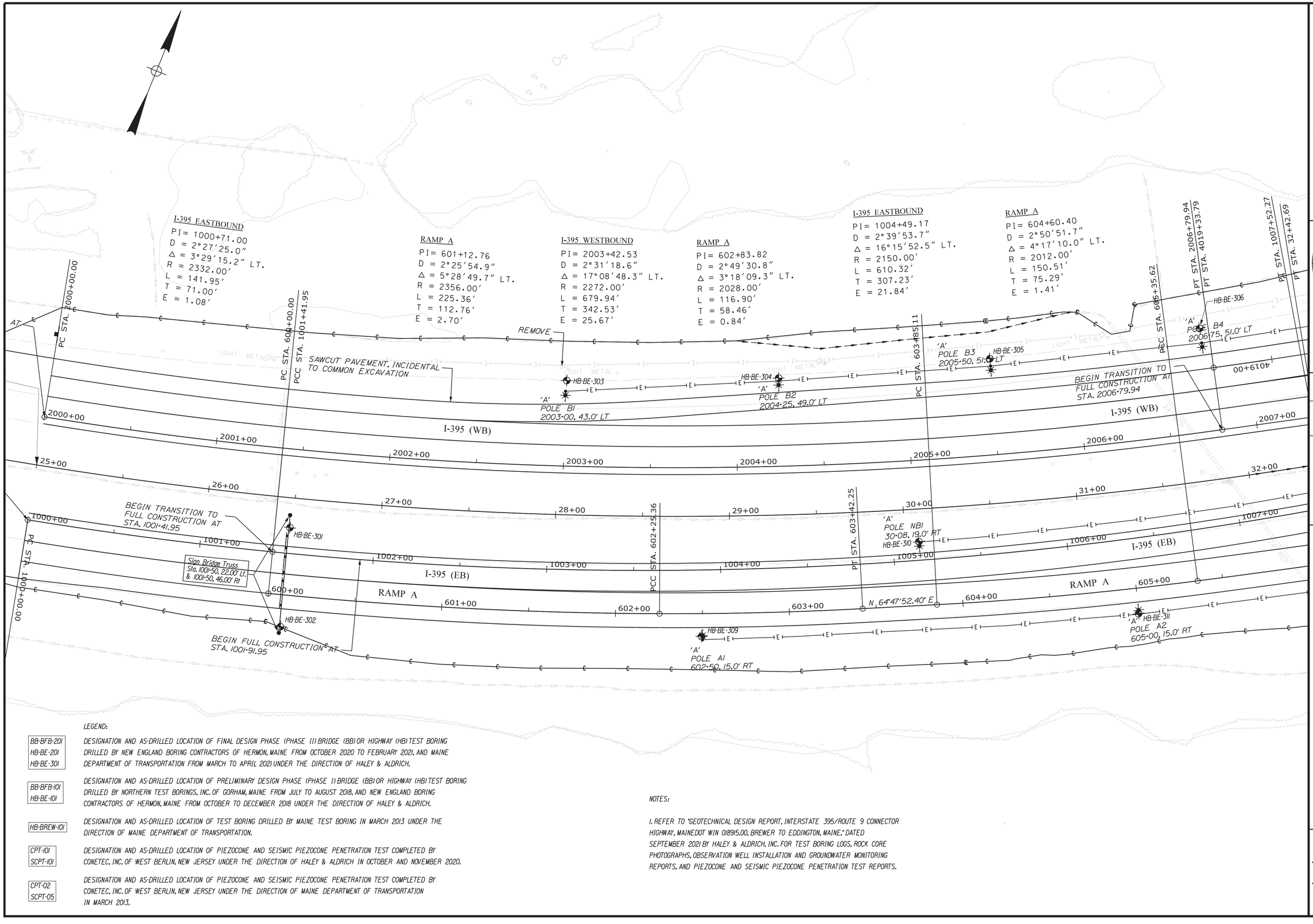
LIGHTING POLE FOUNDATIONS & TABLES

SHEET NUMBER

LS45

OF 56

Filename: ...\GEOTECH\MSTA\045_LS_LPF&T1.dgn Division: GEOTECH Username: terry.white Date:9/28/2021



LEGEND:

BB-BFB-201 HB-BE-201 HB-BE-301	DESIGNATION AND AS-DRILLED LOCATION OF FINAL DESIGN PHASE (PHASE 11) BRIDGE (BB) OR HIGHWAY (HB) TEST BORING DRILLED BY NEW ENGLAND BORING CONTRACTORS OF HERMON, MAINE FROM OCTOBER 2020 TO FEBRUARY 2021, AND MAINE DEPARTMENT OF TRANSPORTATION FROM MARCH TO APRIL 2021 UNDER THE DIRECTION OF HALEY & ALDRICH.
BB-BFB-101 HB-BE-101	DESIGNATION AND AS-DRILLED LOCATION OF PRELIMINARY DESIGN PHASE (PHASE 1) BRIDGE (BB) OR HIGHWAY (HB) TEST BORING DRILLED BY NORTHERN TEST BORINGS, INC. OF GORHAM, MAINE FROM JULY TO AUGUST 2018, AND NEW ENGLAND BORING CONTRACTORS OF HERMON, MAINE FROM OCTOBER TO DECEMBER 2018 UNDER THE DIRECTION OF HALEY & ALDRICH.
HB-BREW-101	DESIGNATION AND AS-DRILLED LOCATION OF TEST BORING DRILLED BY MAINE TEST BORING IN MARCH 2013 UNDER THE DIRECTION OF MAINE DEPARTMENT OF TRANSPORTATION.
CPT-101 SCPT-101	DESIGNATION AND AS-DRILLED LOCATION OF PIEZOCONE AND SEISMIC PIEZOCONE PENETRATION TEST COMPLETED BY CONETEC, INC. OF WEST BERLIN, NEW JERSEY UNDER THE DIRECTION OF HALEY & ALDRICH IN OCTOBER AND NOVEMBER 2020.
CPT-02 SCPT-05	DESIGNATION AND AS-DRILLED LOCATION OF PIEZOCONE AND SEISMIC PIEZOCONE PENETRATION TEST COMPLETED BY CONETEC, INC. OF WEST BERLIN, NEW JERSEY UNDER THE DIRECTION OF MAINE DEPARTMENT OF TRANSPORTATION IN MARCH 2013.

NOTES:

1. REFER TO "GEOTECHNICAL DESIGN REPORT, INTERSTATE 395/ROUTE 9 CONNECTOR HIGHWAY, MAINEDOT WIN 018915.00, BREWER TO EDDINGTON, MAINE," DATED SEPTEMBER 2021 BY HALEY & ALDRICH, INC. FOR TEST BORING LOGS, ROCK CORE PHOTOGRAPHS, OBSERVATION WELL INSTALLATION AND GROUNDWATER MONITORING REPORTS, AND PIEZOCONE AND SEISMIC PIEZOCONE PENETRATION TEST REPORTS.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00

HIGHWAY PLANS

STATE OF MAINE
Kathleen Maguire
7120
LICENSED PROFESSIONAL ENGINEER

PROJ. MANAGER	R.MOULTON	BY	DATE	SIGNATURE	
DESIGN-DETAILED	K. MAGUIRE	T. WHITE	AUG 2021	7120	
CHECKED-REVIEWED	-----	-----	-----	P.E. NUMBER	
DESIGN2-DETAILED2	-----	-----	-----	9/16/2021	
DESIGN3-DETAILED3	-----	-----	-----	DATE	
REVISIONS 1	-----	-----	-----	-----	
REVISIONS 2	-----	-----	-----	-----	
REVISIONS 3	-----	-----	-----	-----	
REVISIONS 4	-----	-----	-----	-----	
FIELD CHANGES	-----	-----	-----	-----	

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

BORING LOCATION PLAN

SHEET NUMBER

LS46

OF 56

Filename: ...\GEOTECH\MSTA\046_LS_BLP1.dgn Division: GEOTECH Username: terry.white Date:9/16/2021

RAMP A
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D = 0°49'01.6"
Δ = 2°21'12.4" LT.
R = 7012.00'
L = 288.02'
T = 144.03'
E = 1.48'

RAMP B
PI= 4015+64.83
D = 1°54'35.5"
Δ = 14°09'57.2" RT.
R = 3000.00'
L = 741.72'
T = 372.76'
E = 23.07'

PT STA. 4019+33.79
PC STA. 1007+52.27
PT STA. 32+42.69
PC STA. 4011+92.07
PT STA. 608+23.64
PC STA. 611+51.14
BEGIN FULL CONSTRUCTION AT STA. 2007+29.94
SAWCUT PAVEMENT. INCIDENTAL TO COMMON EXCAVATION
I-395 (WB)
RAMP A
RAMP B
JBI
REBAR
LIGHT METAL
CLL
REMOVE
PLUG 6" PIPE ENDS
6" X 102' UD
6" X 250' UD
6" X 163' UD
6" X 163' UD
6" X 272' UD
36" x 64" RCP
36" x 84" RCP
24"x12' RCP
24" x 92" RCP
CB#1
CB#2
6" X 283' UD
N 59°55'18.28" E
N 58°34'02.00" E
N 58°09'30.04" E
N 57°18'58.86" E
HB-BE-306
HB-BE-307
HB-BE-308
HB-BE-312
HB-BE-313
HB-BE-314
HB-BE-315
HB-BE-316
HB-BE-317
'A' POLE B4 5, 51.0' LT
'A' POLE B5 2008+00, 53.0' LT
'A' POLE B6 2009+25, 61.0' LT
'A' POLE NB2 32+54, 15.0' RT
'A' POLE NB3 35+04, 9.0' RT
'A' POLE NB4 37+50, 9.0' RT
'A' POLE A3 607+50, 15.0' RT
'A' POLE A4 610+00, 15.0' RT
'A' POLE A5 612+50, 15.0' RT

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00

HIGHWAY PLANS

STATE OF MAINE ★ ENGINEER ★ PROFESSIONAL
Kathleen Meguire
7120
LICENSED

SIGNATURE
7120
P.E. NUMBER
9/16/2021
DATE

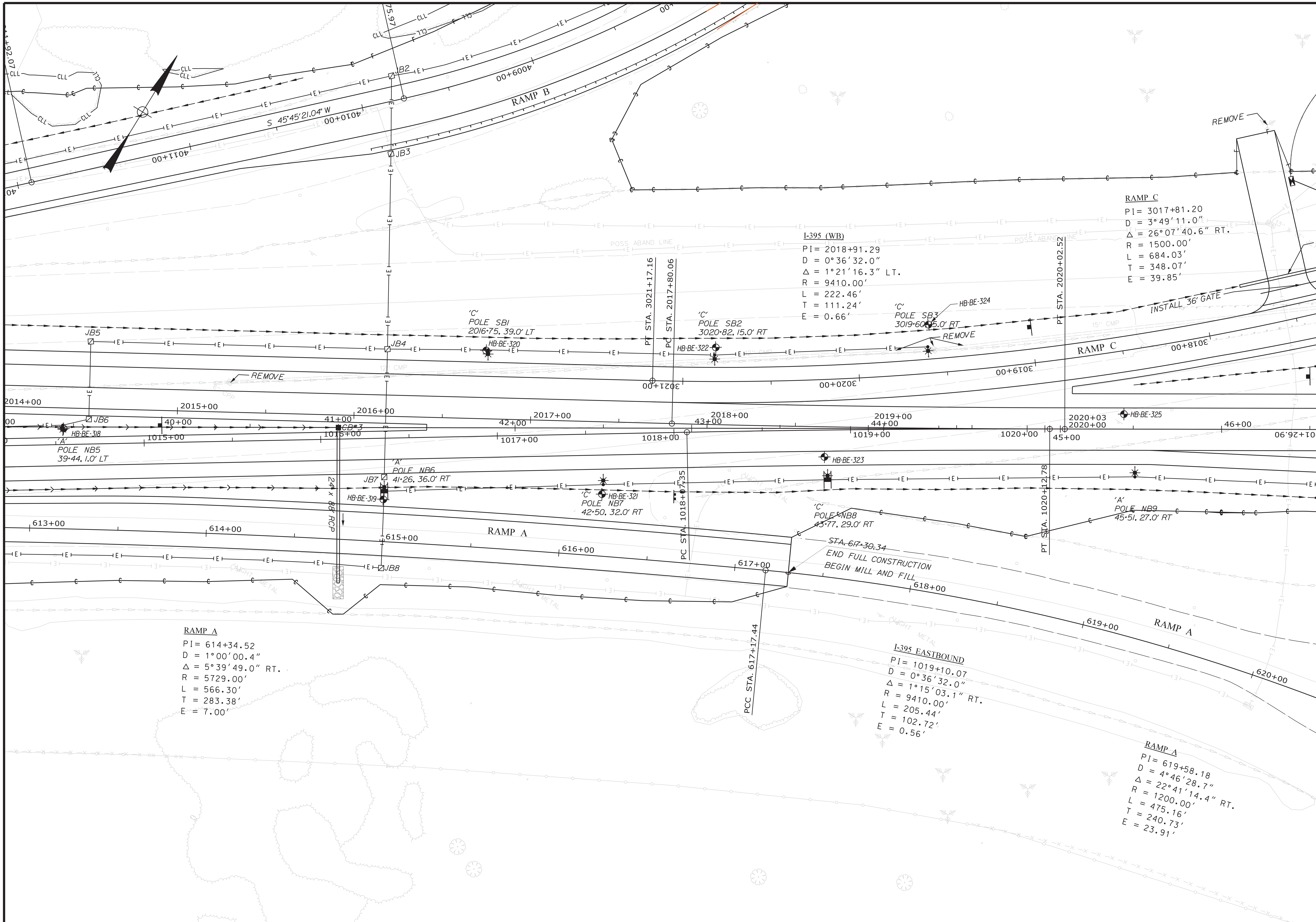
	BY	DATE
PROJ. MANAGER	R.MOULTON	
DESIGN-DETAILED	K.MAGUIRE	AUG 2021
CHECKED-REVIEWED	-----	-----
DESIGN2-DETAILED2	-----	-----
DESIGN3-DETAILED3	-----	-----
REVISIONS 1	-----	-----
REVISIONS 2	-----	-----
REVISIONS 3	-----	-----
REVISIONS 4	-----	-----
FIELD CHANGES	-----	-----

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

BORING LOCATION PLAN

SHEET NUMBER
LS47
OF 56

Filename: ...\GEOTECH\MSTA\047_LS_BLP2.dgn Division: GEOTECH Username: terry.white Date:9/16/2021



Date:9/16/2021

Username: terry.white

Division: GEOTECH

Filename: ...\GEOTECH\MSTA\048_LS_BLP3.dgn

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

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018915.00

HIGHWAY PLANS

STATE OF MAINE ★ Kathleen Maguire 7120 LICENSED ★ PROFESSIONAL ENGINEER

SIGNATURE
7120

P.E. NUMBER
9/16/2021

DATE

	BY	DATE
PROJ. MANAGER	R.MOULTON	
DESIGN-DETAILED	K.MAGUIRE	T.WHITE	AUG 2021
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	-----	-----	-----
DESIGN3-DETAILED3	-----	-----	-----
REVISIONS 1	-----		-----
REVISIONS 2	-----		-----
REVISIONS 3	-----		-----
REVISIONS 4	-----		-----
FIELD CHANGES	-----		-----

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

BORING LOCATION PLAN

SHEET NUMBER

LS48

OF 56

Filename: ...\GEOTECH\MSTA\049_LS_BLP4.dgn Division: GEOTECH Username: terry.white Date:9/16/2021

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

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018915.00

HIGHWAY PLANS

STATE OF MAINE Kathleen Maguire 7120 LICENSED PROFESSIONAL ENGINEER

SIGNATURE
7120
P.E. NUMBER
9/16/2021
DATE

		BY	DATE
PROJ. MANAGER	R.MOULTON		
DESIGN-DETAILED	K.MAGUIRE	T.WHITE	AUG 2021
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	-----	-----	-----
DESIGN3-DETAILED3	-----	-----	-----
REVISIONS 1	-----		-----
REVISIONS 2	-----		-----
REVISIONS 3	-----		-----
REVISIONS 4	-----		-----
FIELD CHANGES	-----		-----

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

BORING LOCATION PLAN

SHEET NUMBER
LS49
OF 56

Filename: ...\GEOTECH\MSTA\050_LS_BLP5.dgn Division: GEOTECH Username: terry.white Date:9/16/2021

Δ = 5°00'00.0" RT.
R = 1500.00'
L = 130.90'
T = 65.49'
E = 1.43'

PC STA. 901+30.90
PT STA. 701+30.90
PC STA. 703+81.15
PT STA. 900+00.00

SEE LARGE CULVERT PLANS
℄ Precast Concrete Box Culvert Station 55+08
Plain Riprap (Typ.)
5'0" Skew
Match Existing
24" x 128' RCP
RAMP D
RAMP E
RTE. 9
S 63°34'02.00" W
N 63°34'02.00" E
N 58°34'02.00" E

'A' POLE D4 905+25, 25.0' LT
'A' POLE D5 904+75, 26.5' LT
'A' POLE D6 902+50, 15.0' RT
'A' POLE D7 901+23, 15.0' RT
'A' POLE D8 900+00, 15.0' RT
'A' POLE D9 60+25, 39.0' LT
'A' POLE E3 701+50, 15.0' RT
'A' POLE E4 702+75, 15.0' RT
'B' POLE E5 703+85, 25.0' LT
'A' POLE E6 705+00, 15.0' RT
'A' POLE E7 706+25, 15.0' RT
'B' POLE E8 707+50, 15.0' RT
'C' POLE F2 809+00, 15.0' LT

HB-BE-240 HB-BE-332 HB-BE-334 HB-BE-335 HB-BE-336 HB-BE-204 HB-BE-205 HB-BE-108 HB-BE-331 HB-BE-102 HB-BE-333 HB-BE-206 HB-BE-330 HB-BE-207 HB-BE-337 HB-BE-339

SCPT-05 SCPT-04 BB-BFB-201 BB-BFB-101 BB-BFB-202 CPT-102/SCPT-103 CPT-104 CPT-105

JB9 JB10 JB11 JB12 JB13

54+00 55+00 56+00 57+00 58+00 59+00 60+00 701+00 702+00 703+00 704+00 705+00 706+00 707+00 708+00 809+00 810+00 811+00 900+00 901+00 902+00 903+00 904+00 905+00

CLL TLD OFOD

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN 018915.00

HIGHWAY PLANS

STATE OF MAINE ★ PROFESSIONAL ENGINEER ★ Kathleen Maguire 7120 LICENSED

SIGNATURE
7120
P.E. NUMBER
9/16/2021
DATE

	BY	DATE
PROJ. MANAGER	R.MOULTON	
DESIGN-DETAILED	K.MAGUIRE	AUG 2021
CHECKED-REVIEWED	-----	-----
DESIGN2-DETAILED2	-----	-----
DESIGN3-DETAILED3	-----	-----
REVISIONS 1	-----	-----
REVISIONS 2	-----	-----
REVISIONS 3	-----	-----
REVISIONS 4	-----	-----
FIELD CHANGES	-----	-----

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

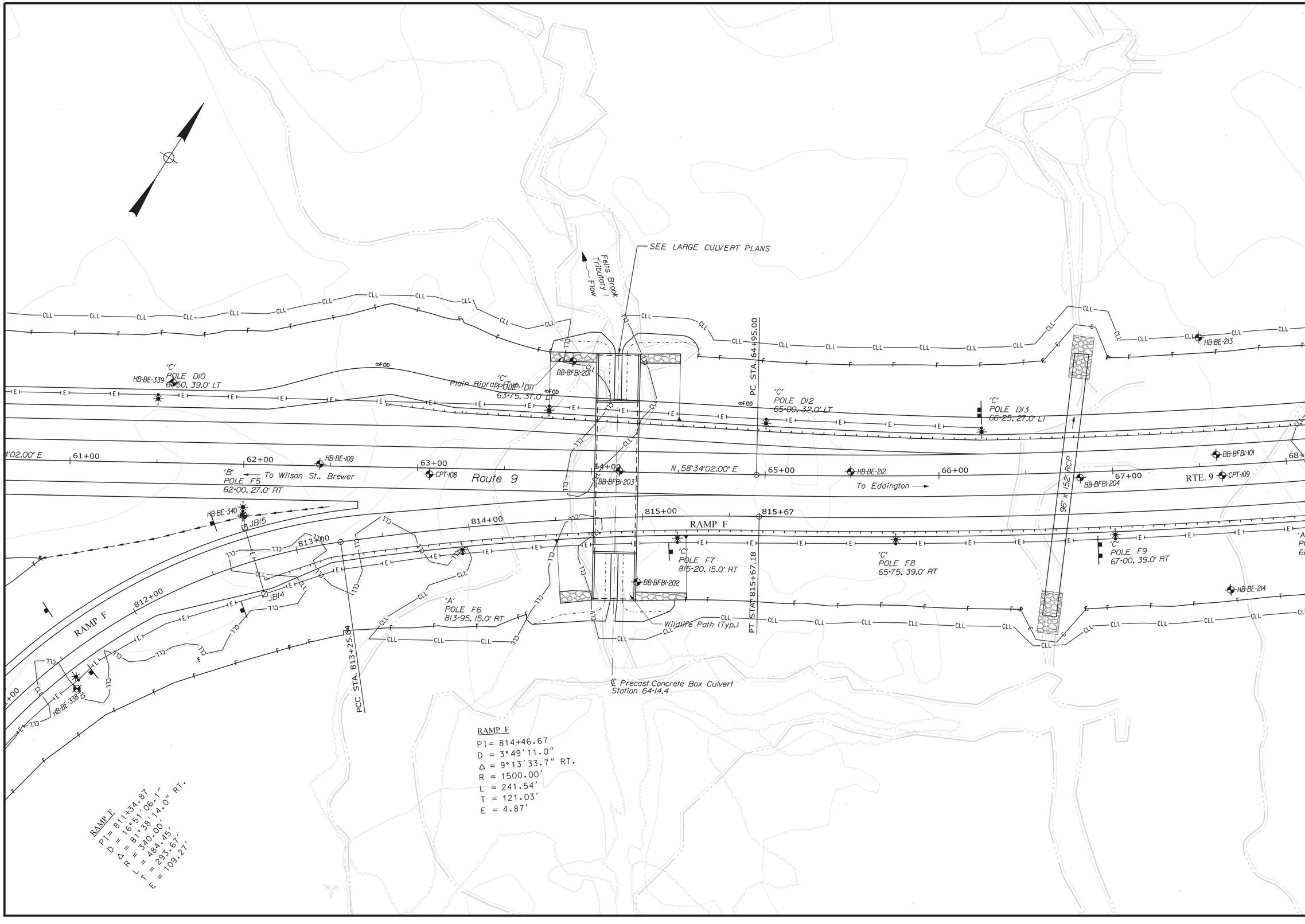
BORING LOCATION PLAN

SHEET NUMBER

LS50

OF 56

Filename: ...\GEOTECH\MSTA\051_LS_BLP6.dgn Division: GEOTECH Username: terry.white Date:9/16/2021



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN 018915.00

HIGHWAY PLANS

STATE OF MAINE ★ Kathleen Maguire 7120 ★ PROFESSIONAL ENGINEER

	SIGNATURE	
7120	P.E. NUMBER	
9/16/2021	DATE	

	BY	DATE
PROJ. MANAGER	R.MOULTON	
DESIGN-DETAILED	K.MAGUIRE	AUG 2021
CHECKED-REVIEWED	T. WHITE	
DESIGN2-DETAILED2	-----	-----
DESIGN3-DETAILED3	-----	-----
REVISIONS 1	-----	-----
REVISIONS 2	-----	-----
REVISIONS 3	-----	-----
REVISIONS 4	-----	-----
FIELD CHANGES	-----	-----

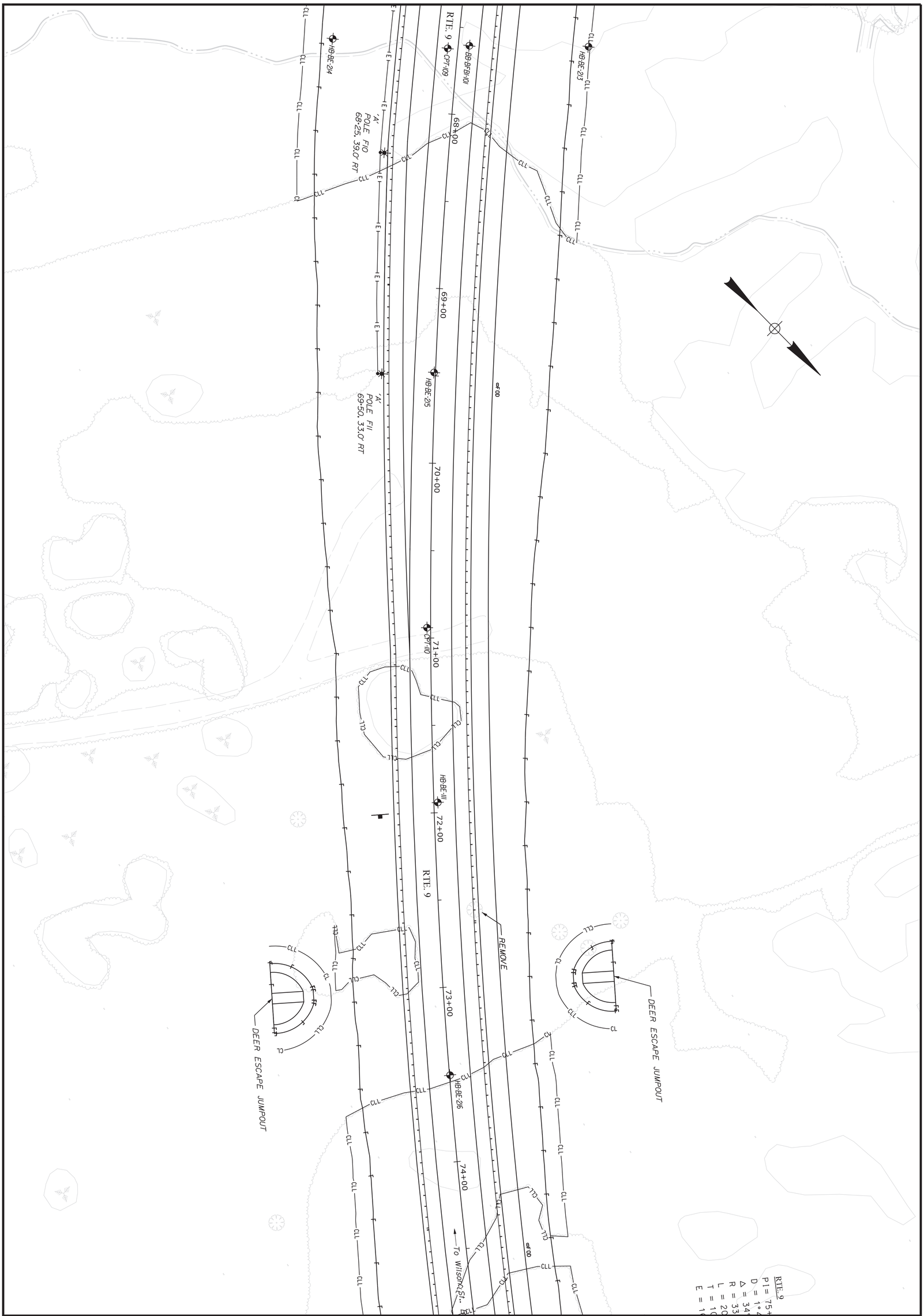
BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

BORING LOCATION PLAN

SHEET NUMBER

LS51

OF 56



RTE. 9
P.I. = 75+
D = 1° 4
Δ = 34
R = 33
L = 20
T = 10
E = 1

PROJ. MANAGER	R.MOULTON	BY	DATE
DESIGN-DETAILED	K.MAGUIRE	T.WHITE	AUG 2021
CHECKED-REVIEWED	_____	_____	_____
DESIGN2-DETAILED2	_____	_____	_____
DESIGN3-DETAILED3	_____	_____	_____
REVISIONS 1	_____		_____
REVISIONS 2	_____		_____
REVISIONS 3	_____		_____
REVISIONS 4	_____		_____
FIELD CHANGES	_____		_____

SIGNATURE
7120
P.E. NUMBER
9/16/2021
DATE

STATE OF MAINE
Kathleen Maguire
7120
LICENSED
PROFESSIONAL ENGINEER

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

BORING LOCATION PLAN

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00

HIGHWAY PLANS

SHEET NUMBER
LS52
OF 56

Filename: ...\GEOTECH\MSTA\053_LS_BLP8.dgn Division: GEOTECH Username: terry.white Date:9/16/2021

RAMP E
PI= 717+95.88
D = 3°49'11.0"
Δ = 8°45'11.5" RT.
R = 1500.00'
L = 229.16'
T = 114.80'
E = 4.39'

RAMP E
PI= 715+29.99
D = 16°51'06.1"
Δ = 55°47'33.5" RT.
R = 340.00'
L = 331.08'
T = 179.99'
E = 44.70'

RAMP E
PI= 801+21.24
D = 57°17'44.8"
Δ = 100°58'03.0" RT.
R = 100.00'
L = 176.24'
T = 97.22'
E = 40.24'

RAMP A
PI= 625+62.85
D = 4°35'01.2"
Δ = 19°49'28.9" RT.
R = 1250.00'
L = 432.51'
T = 218.44'
E = 18.94'

RTE. 1A
PI= 522+27.55
D = 1°56'32.0"
Δ = 6°49'08.1" RT.
R = 2950.00'
L = 351.09'
T = 175.75'
E = 5.23'

RAMP A
PI= 628+90.96
D = 1°54'35.5"
Δ = 4°21'15.2" RT.
R = 3000.00'
L = 227.99'
T = 114.05'
E = 2.17'

PC STA. 720+16.72
PT STA. 719+10.24
PC STA. 520+51.80
PCC STA. 627+76.92
PT STA. 524+02.89
PT STA. 630+04.90
PT STA. 801+76.22
PC STA. 800+00.00
PCC STA. 716+81.08

'A' POLE EF8 718·85, 15.0' RT
'A' POLE EF7 716·30, 15.0' RT
'A' POLE EF10 524·25, 33.0' LT
'B' POLE EF9 523·05, 32.0' LT
'A' POLE EF11 526·80, 34.0' LT
POLE EF12 801·50, 15.0' RT

HB-BE-241
HB-BE-330
HB-BE-351
HB-BE-352
HB-BE-353
HB-BE-242A
HB-BE-242
HB-BE-243
BB-BWS-301
JB18
JB19
JB20
JB21

Approximate Stockpile Location
6' x 96" RCP
N 68°37'08.84" W
S 66°44'40.27" E
N 47°02'30.86" E
S 60°36'51.10" E
RAMP E
RAMP F
RAMP A
ROUTE 1A
TING JB
720+00
719+00
718+00
717+00
716+00
715+00
714+00
802+00
801+00
800+00
521+00
522+00
523+00
524+00
525+00
526+00
527+00
625+00
626+00
627+00
628+00
629+00
630+00
631+00
00+00
00+008

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN 018915.00

HIGHWAY PLANS

STATE OF MAINE ★ Kathleen Maguire 7120 ★ PROFESSIONAL ENGINEER

SIGNATURE	7120	
P.E. NUMBER		
9/16/2021		
DATE		

PROJ. MANAGER	R.MOULTON	
DESIGN-DETAILED	K.MAGUIRE	AUG 2021
CHECKED-REVIEWED	-----	-----
DESIGN2-DETAILED2	-----	-----
DESIGN3-DETAILED3	-----	-----
REVISIONS 1	-----	-----
REVISIONS 2	-----	-----
REVISIONS 3	-----	-----
REVISIONS 4	-----	-----
FIELD CHANGES	-----	-----

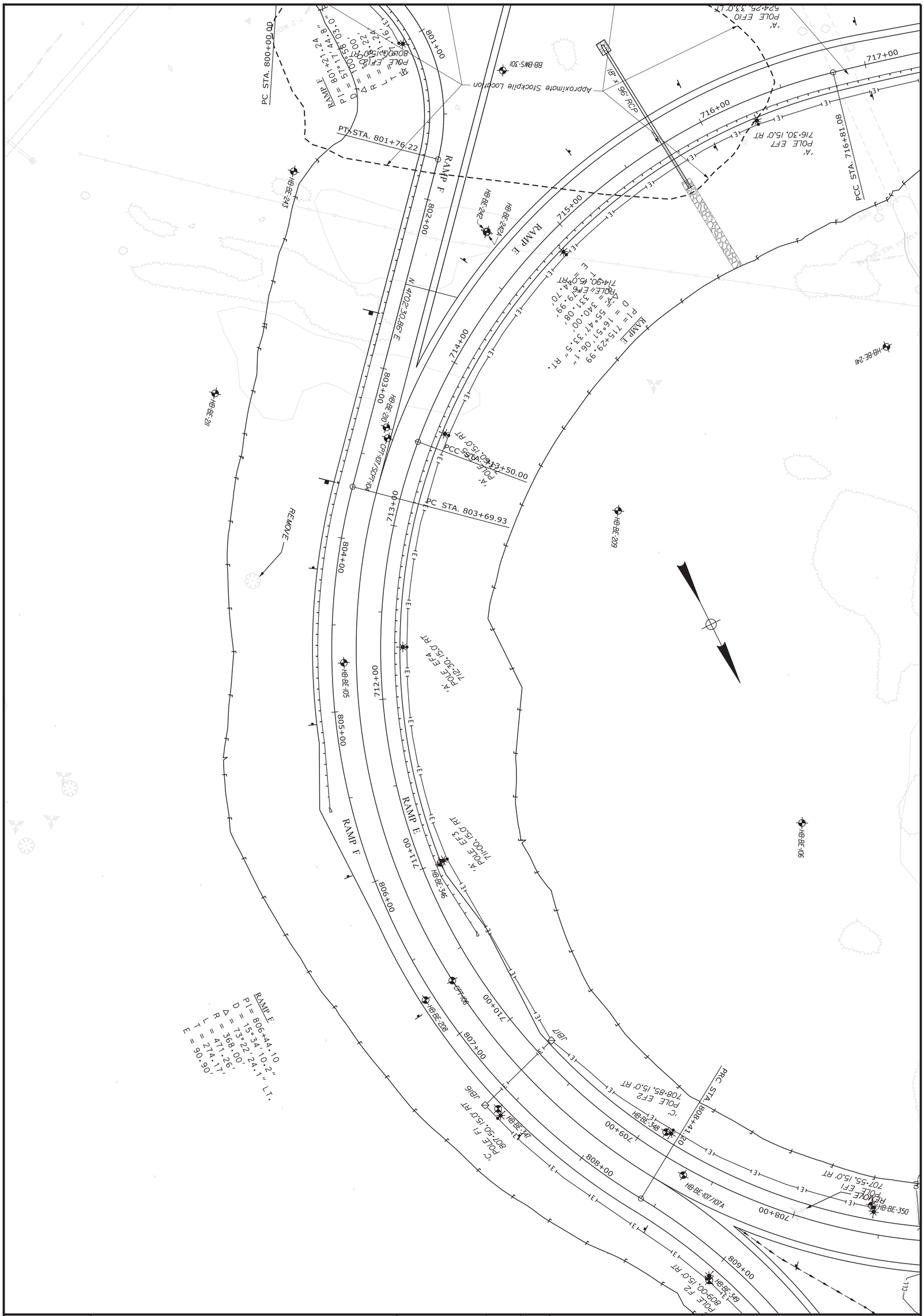
BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

BORING LOCATION PLAN

SHEET NUMBER

LS53

OF 56



PROJ. MANAGER	R.MOULTON	BY	DATE
DESIGN-DETAILED	K.MAGUIRE	T.WHITE	AUG 2021
CHECKED-REVIEWED	_____	_____	_____
DESIGN2-DETAILED2	_____	_____	_____
DESIGN3-DETAILED3	_____	_____	_____
REVISIONS 1	_____		_____
REVISIONS 2	_____		_____
REVISIONS 3	_____		_____
REVISIONS 4	_____		_____
FIELD CHANGES	_____		_____

SIGNATURE 7120
P.E. NUMBER 9/16/2021
DATE

STATE OF MAINE Kathleen Maguire 7120 LICENSED PROFESSIONAL ENGINEER

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

BORING LOCATION PLAN

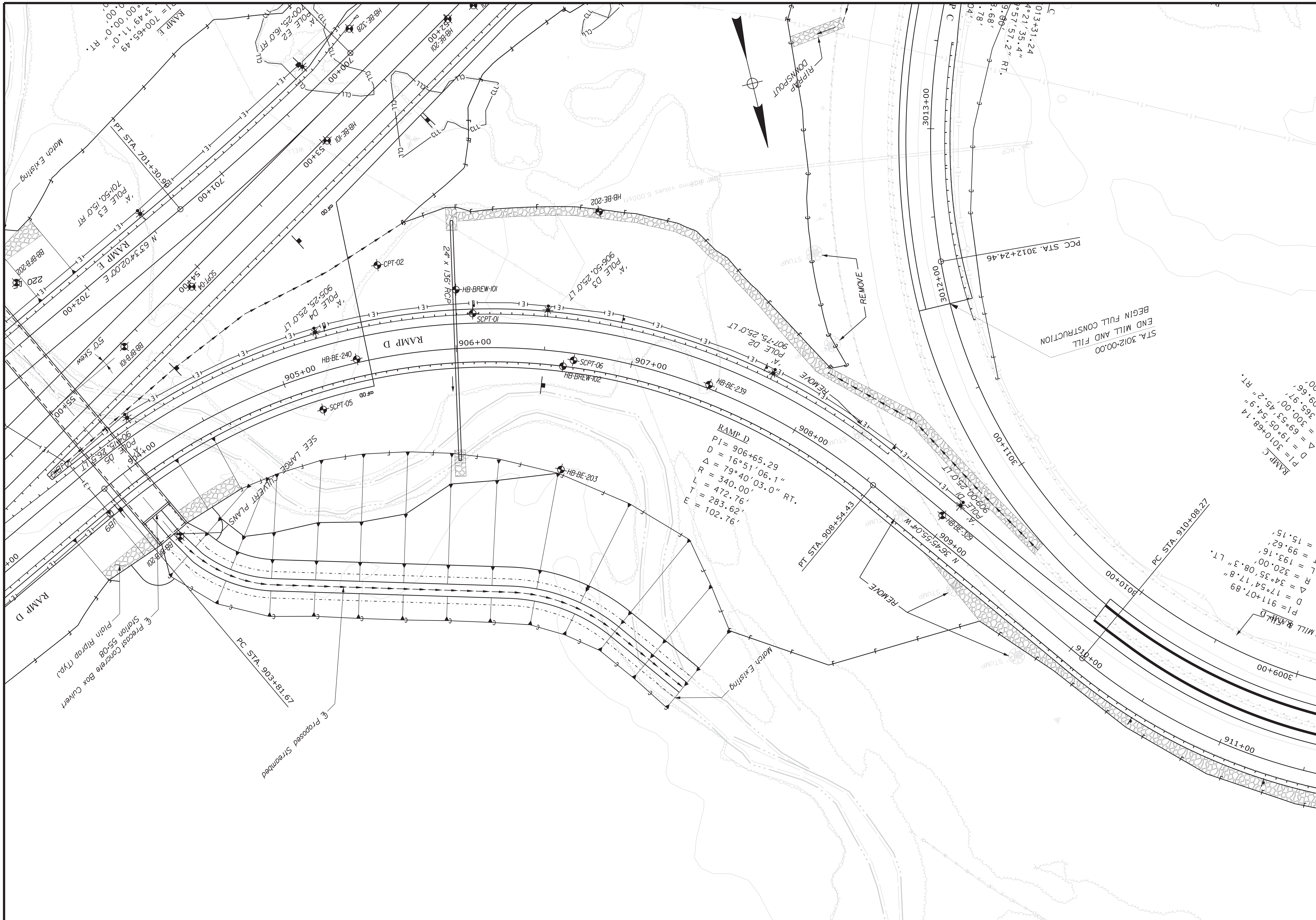
SHEET NUMBER LS54 OF 56

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN 018915.00 HIGHWAY PLANS

Filename: ...\GEOTECH\MSTA\055_LS_BLP10.dgn   Division: GEOTECH   Username: terry.white   Date:9/16/2021



PROJ. MANAGER	R.MOULTON	BY	DATE
DESIGN-DETAILED	K.MAGUIRE	T.WHITE	AUG 2021
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00

HIGHWAY PLANS

STATE OF MAINE — Kathleen Maguire — 7120 — LICENSED PROFESSIONAL ENGINEER

SIGNATURE
7120

P.E. NUMBER
9/16/2021

DATE

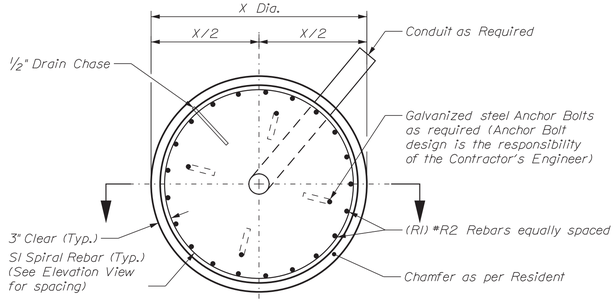
BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

BORING LOCATION PLAN

SHEET NUMBER

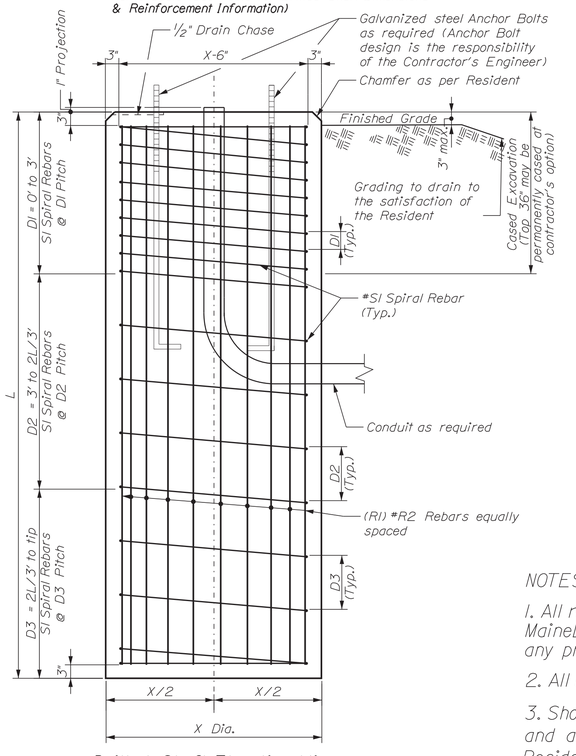
LS55

OF 56



Drilled Shaft Plan View

Not to Scale (See Table for Drilled Shaft Dimensions & Reinforcement Information)

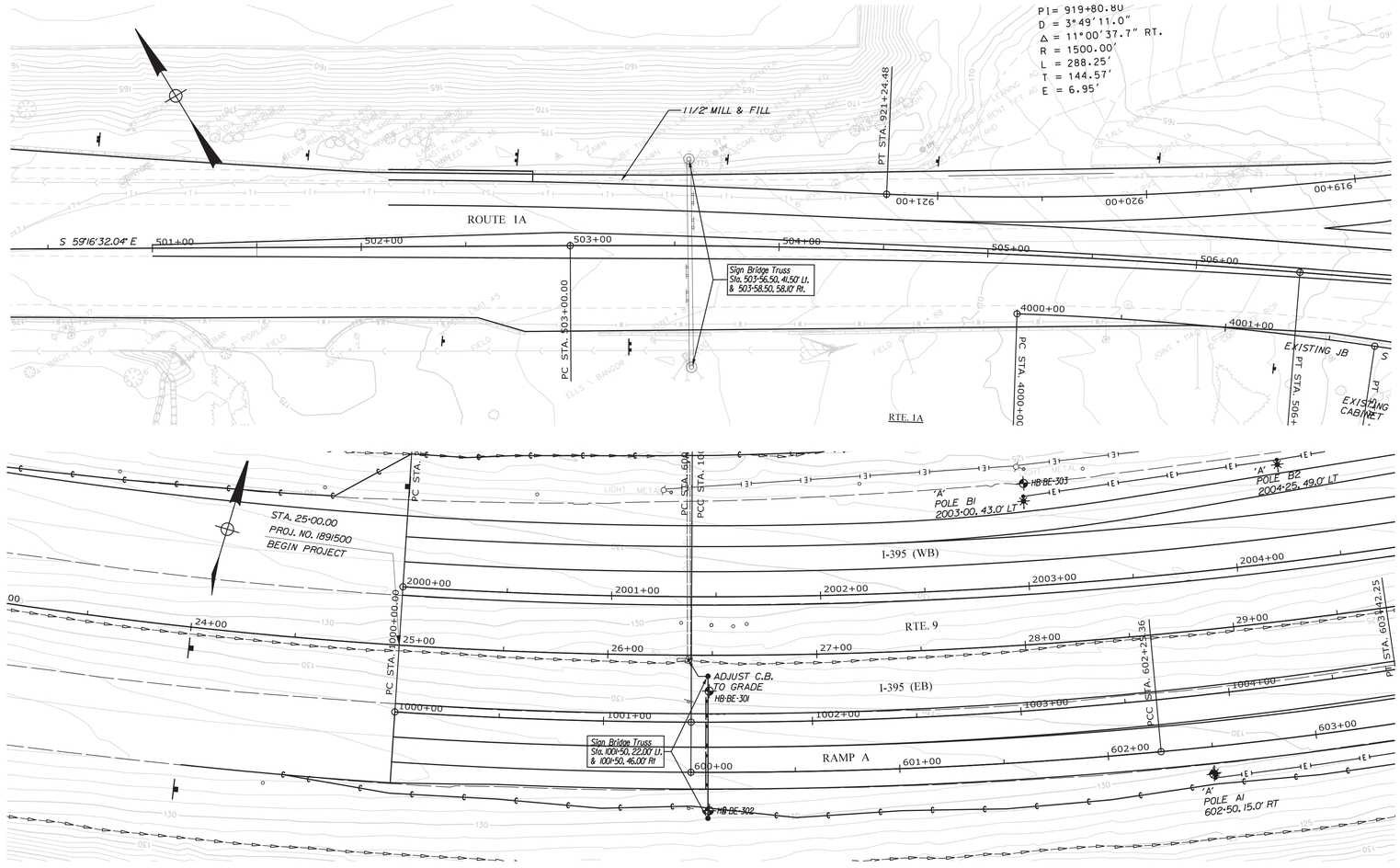


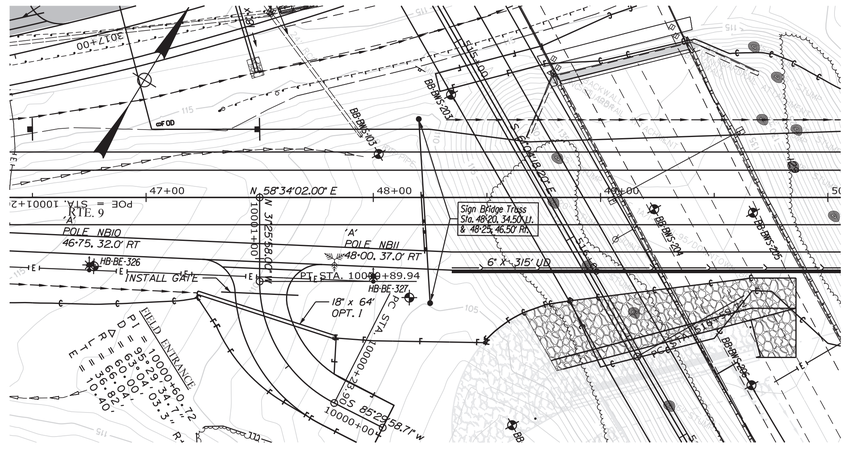
Drilled Shaft Elevation View

Not to Scale (See Table for Drilled Shaft Dimensions & Reinforcement Information)

SIGN BRIDGE TRUSSES

See Table or Boring Location Plan for Station & Offsets and type of Structure.





NOTES:

1. All reinforcing steel shall be grade 60 and conform to MaineDOT Standard Specification requirements along with any project specific Supplementals or Special Provisions.
2. All rebar shall have 3" cover unless otherwise noted.
3. Should there be a discrepancy between these Details and actual observed field conditions report it to the Resident immediately.
4. Do not proceed with dependent work until any such discrepancy is resolved to the satisfaction of the Resident.
5. Concrete to be Class LP with f'c = 5,000 PSI.
6. For boring log information used in sign bridge truss foundation design refer to the project geotechnical report entitled: Geotechnical Design Report Interstate 395/Route 9 Connector Highway dated September 2021.

Structure	Station & Offset	X Diameter (feet)	L Length (feet)	R1 Longitudinal Rebars Quantity	R2 Longitudinal Rebars Size	S1 Spiral Rebars Size	Spiral Bar Spacing D1 (in) 0 to 3 ft	Spiral Bar Spacing D2 (in) 3 ft to 2L/3 ft	Spiral Bar Spacing D3 (in) 2L/3 ft to tip
Sign Bridge Truss	503+56.5, 41.5' Left	4.0	9.5	21	#9	#5	4	4	12
Sign Bridge Truss	503+58.5, 58.1' Right	4.0	9.5	21	#9	#5	4	4	12
Sign Bridge Truss	1001+50, 22' Left	4.0	12.0	21	#9	#5	4	4	12
Sign Bridge Truss	1001+50, 46' Right	4.0	12.0	21	#9	#5	4	4	12
Sign Bridge Truss	48+20, 34.5' Left	4.0	10.5	21	#9	#5	4	4	12
Sign Bridge Truss	48+25, 46.5' Right	4.0	10.5	21	#9	#5	4	4	12

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN 018915.00

HIGHWAY PLANS

STATE OF MAINE · Kathleen Maguire · 7120 · LICENSED PROFESSIONAL ENGINEER

PROJ. MANAGER	R.MOULTON	
DESIGN-DETAILED	K.MAGUIRE	T. WHITE
CHECKED-REVIEWED	-----	-----
DESIGN2-DETAILED2	-----	-----
DESIGN3-DETAILED3	-----	-----
REVISIONS 1	-----	-----
REVISIONS 2	-----	-----
REVISIONS 3	-----	-----
REVISIONS 4	-----	-----
FIELD CHANGES	-----	-----

SIGNATURE
7120
P.E. NUMBER
9/13/2021
DATE

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

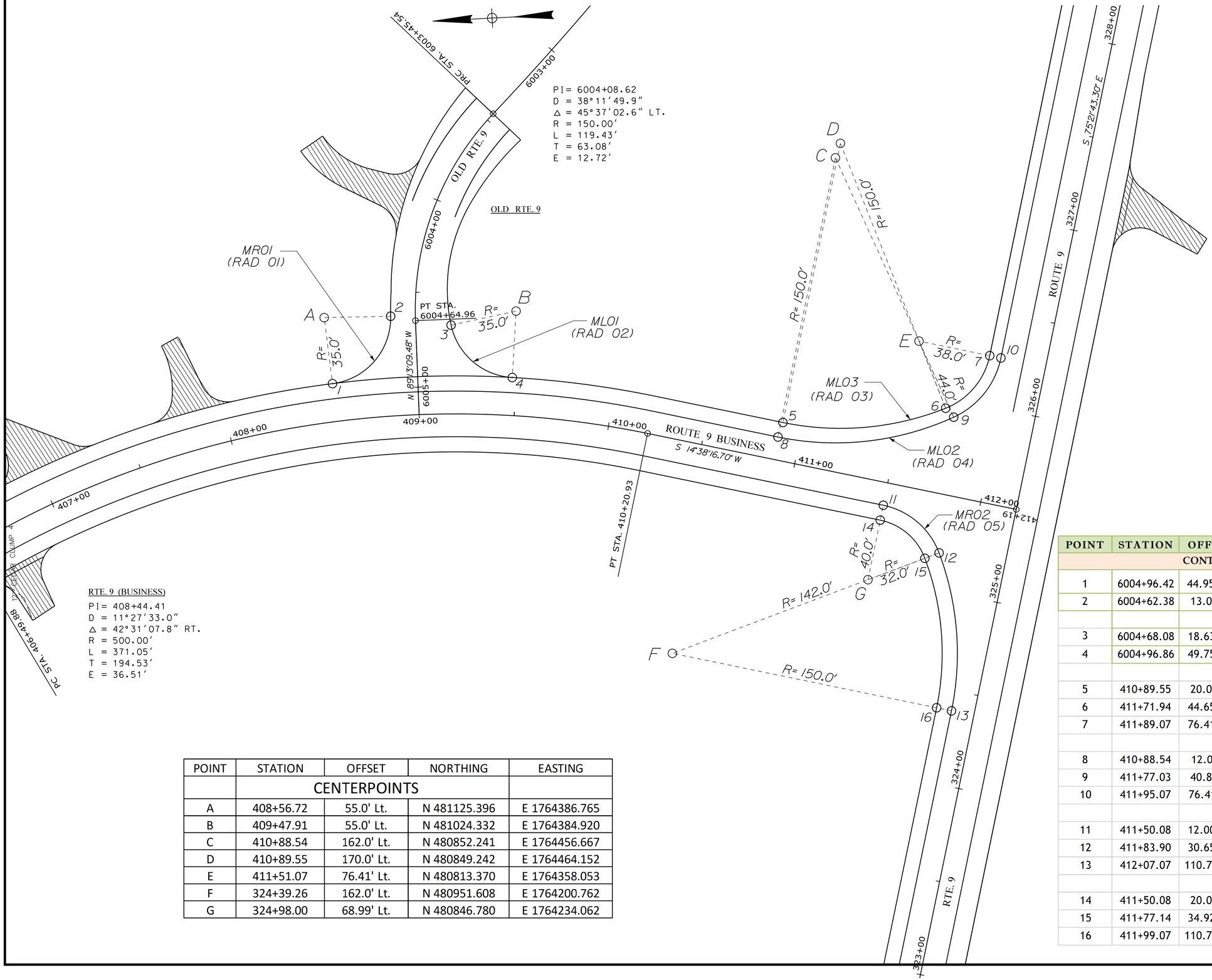
SIGN BRIDGE TRUSS FOUNDATIONS WITH BORING LOCATION PLAN

SHEET NUMBER

LS56

OF 56

Filename: ...\MSTA\056_LS_SBTF WLP1.dgn Division: GEOTECH Username: terry.white Date:9/7/2021



POINT	STATION	OFFSET	NORTHING	EASTING
	CENTERPOINTS			
A	408+56.72	55.0' Lt.	N 481125.396	E 1764386.765
B	409+47.91	55.0' Lt.	N 481024.332	E 1764384.920
C	410+88.54	162.0' Lt.	N 480852.241	E 1764456.667
D	410+89.55	170.0' Lt.	N 480849.242	E 1764464.152
E	411+51.07	76.41' Lt.	N 480813.370	E 1764358.053
F	324+39.26	162.0' Lt.	N 480951.608	E 1764200.762
G	324+98.00	68.99' Lt.	N 480846.780	E 1764234.062

POINT	STATION	OFFSET	NORTHING	EASTING
	CONTROL POINTS			
1	6004+96.42	44.95' Rt.	N 481122.836	E 1764351.859
2	6004+62.38	13.0' Rt.	N 481090.403	E 1764385.687
3	6004+68.08	18.63' Lt.	N 481058.884	E 1764379.337
4	6004+96.86	49.75' Lt.	N 481028.155	E 1764350.130
5	410+89.55	20.0' Lt.	N 480887.150	E 1764319.021
6	411+71.94	44.65' Lt.	N 480801.201	E 1764322.054
7	411+89.07	76.41' Lt.	N 480776.605	E 1764348.449
8	410+88.54	12.0' Lt.	N 480890.150	E 1764311.536
9	411+77.03	40.88' Lt	N 480797.236	E 1764317.118
10	411+95.07	76.41 Lt.	N 480770.800	E 1764346.933
11	411+50.08	12.00' Rt.	N 480836.669	E 1764272.763
12	411+83.90	30.65' Rt.	N 480808.656	E 1764246.175
13	412+07.07	110.73' Rt.	N 480806.480	E 1764162.841
14	411+50.08	20.0' Rt.	N 480838.691	E 1764265.022
15	411+77.14	34.92' Rt.	N 480816.280	E 1764243.752
16	411+99.07	110.73' Rt.	N 480814.220	E 1764164.862

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00

PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	D.PRIDE	J. HARDEN	SEP. 2021
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

BREWER TO EDDINGTON
I-395/ROUTE 9 CONNECTOR

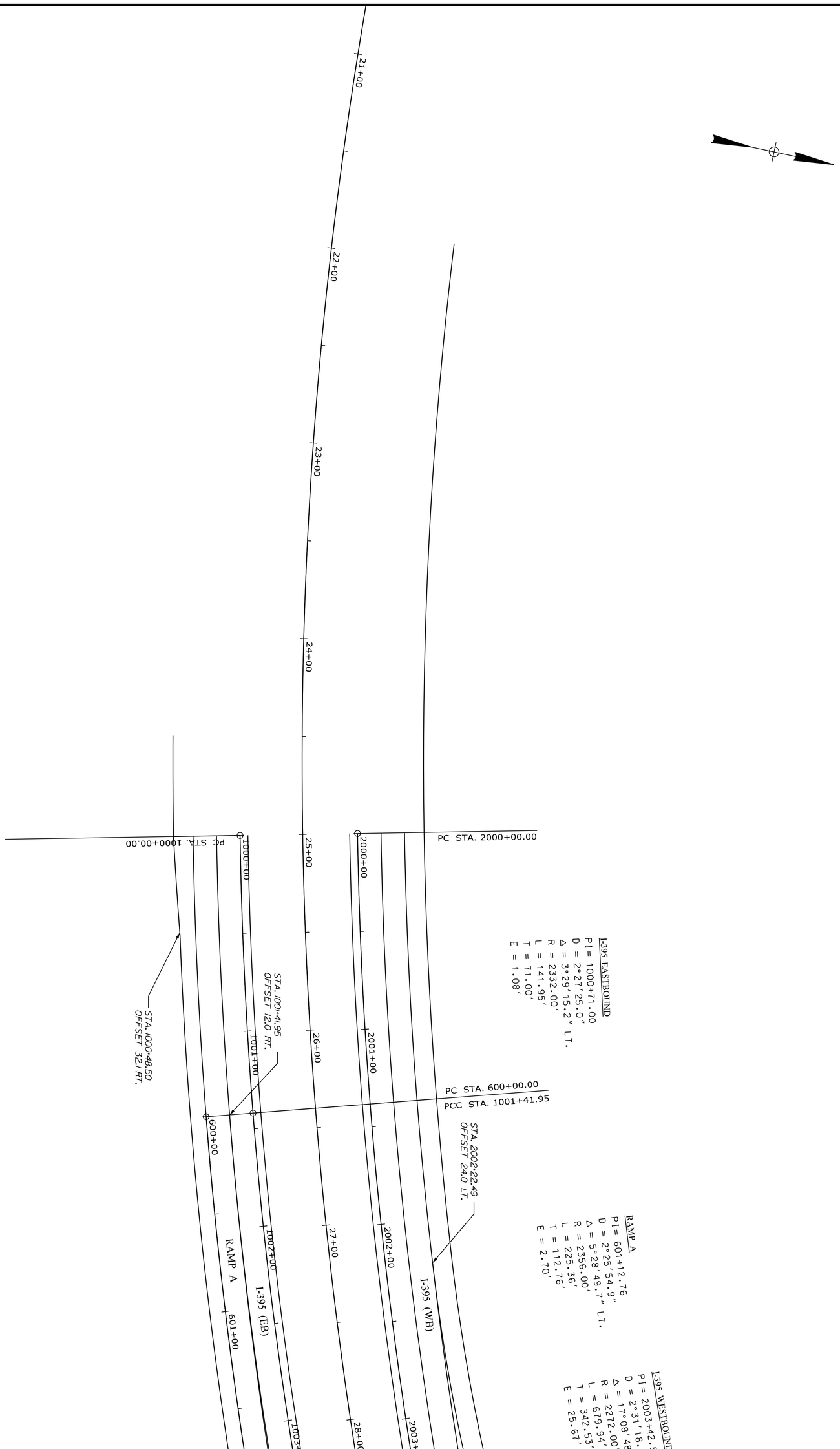
GEOMETRIC PLANS

SHEET NUMBER

H1

OF 460

Filename: ...\H1_Route 9B Geometry.dgn Division: HIGHWAY Username: common Date:10/1/2021

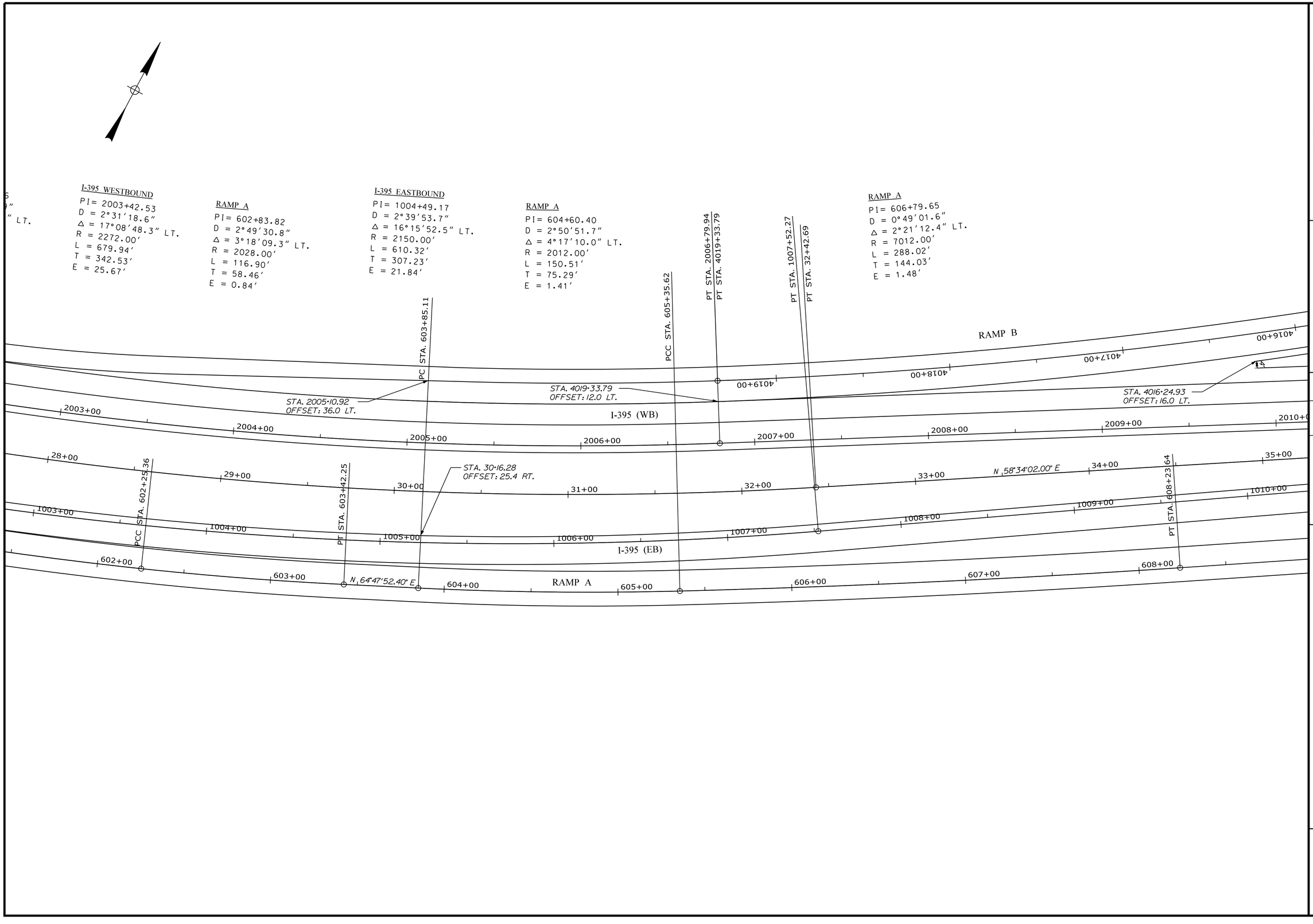


SHEET NUMBER H2 OF 460	BREWER TO EDDINGTON I-395\ROUTE 9 CONNECTOR GEOMETRIC PLANS	PROJ. MANAGER R. MOULTON BY DATE DESIGN-DETAILED D.PRIDE SEP. 2021 CHECKED-REVIEWED DESIGN2-DETAILED2 DESIGN3-DETAILED3 REVISIONS 1 REVISIONS 2 REVISIONS 3 REVISIONS 4 FIELD CHANGES	SIGNATURE P.E. NUMBER DATE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00

PROJ. MANAGER	R. MOULTON	DATE	SEP. 2021
DESIGN-DETAILED	D.PRIDE	BY	
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

BREWER TO EDDINGTON
I-395\ROUTE 9 CONNECTOR

GEOMETRIC PLANS

SHEET NUMBER

H3

OF 460

Filename: ...\H GEOMETRICS\H3_HDPLAN2.DGN Division: HIGHWAY Username: common Date:9/30/2021

Filename: ...\H GEOMETRICS\H4_HDPLAN3.DGN Division: HIGHWAY Username: common Date:9/30/2021

RAMP B
PI= 4015+64.83
D = 1°54'35.5"
Δ = 14°09'57.2" RT.
R = 3000.00'
L = 741.72'
T = 372.76'
E = 23.07'

PC STA. 4011+92.07

STA. 4009+75.97

STA. 4009+80.17
OFFSET: 16.0 LT.

S 45°45'21.04" W

RAMP B

4009+00 4010+00 4011+00 4012+00 4013+00 4014+00 4015+00 4016+00

STA. 4012+42.82
OFFSET: 12.0 LT.

STA. 4010+75.00
OFFSET: 18.4 LT.

STA. 4010+00.45
OFFSET: 26.7 LT.

I-395 (WB)

STA. 41+50.00

2010+00 2011+00 2012+00 2013+00 2014+00 2015+00 2016+00 2017+00

N 59°55'18.28" E

35+00 36+00 37+00 38+00 39+00 40+00 41+00 42+00

N 58°34'02.00" E

1010+00 1011+00 1012+00 1013+00 1014+00 1015+00 1016+00 1017+00

I-395 (EB)

N 57°18'58.86" E

STA. 1010+97.48
OFFSET: 20.0 RT

609+00 610+00 611+00 612+00 613+00 614+00 615+00

N 58°09'30.04" E

RAMP A

RAMP A

STA. 611+70.67
OFFSET: 12.0 LT.

STA. 613+99.84
OFFSET: 16.0 LT.

PC STA. 611+51.14

RAMP A
PI= 614+34.52
D = 1°00'00.4"
Δ = 5°39'49.0" RT.
R = 5729.00'
L = 566.30'
T = 283.38'
E = 7.00'

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00

	BY	DATE
PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	D.PRIDE	SEP. 2021
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

BREWER TO EDDINGTON
I-395\ROUTE 9 CONNECTOR

GEOMETRIC PLANS

SHEET NUMBER

H4

OF 460

Filename: ...\H GEOMETRICS\H5_HDPLAN4.DGN Division: HIGHWAY Username: common Date:9/30/2021

4008+00
4009+00
PC STA. 3000+00.00
3000+00
PC
RT.
PCC STA. 301
3015+00
3016+00
3017+00
3018+00
3019+00
3020+00
3021+00
PT STA. 3021+17.16
PC STA. 2017+80.06
PT STA. 2020+02.52
I-395 (WB)
PI= 2018+91.29
D = 0°36'32.0"
Δ = 1°21'16.3" LT.
R = 9410.00'
L = 222.46'
T = 111.24'
E = 0.66'
RAMP C
PI= 3017+81.20
D = 3°49'11.0"
Δ = 26°07'40.6" RT.
R = 1500.00'
L = 684.03'
T = 348.07'
E = 39.85'
STA. 2017+68.46
OFFSET: 12.0 LT.
STA. 3018+80.92
OFFSET: 16.0 LT.
RAMP C
STA. 3016+73.00
OFFSET: 14.0 LT.
STA. 3018+00.00
OFFSET: 12.0 LT.
2017+00
42+00
1017+00
2018+00
43+00
1018+00
2019+00
44+00
1019+00
2020+00
2020+03
45+00
1020+00
46+00
47+00
N 58°34'02.00" E
48+00
49+00
PCE = STA. 10001+26.90
RTE. 6
10001+00
N 31°25'58.00" W
STA. 48+34.58
OFFSET: 24.0 RT.
8'
8'
PT STA. 1020+12.78
STA. 45+59.58
OFFSET: 12.0 RT.
PT STA. 10000+89.94
FIELD ENTRANCE
PI = 10000+60.72
D = 95°39'34.7"
Δ = 63°04'03.3" Rt.
R = 60.00'
L = 66.04'
T = 36.82'
E = 10.40'
PC STA. 10000+28.90
S 85°29'58.71" W
10000+00
PT STA. 10000+00.00
RAMP A
616+00
617+00
618+00
619+00
620+00
621+00
622+00
PC STA. 1018+07.35
PCC STA. 617+17.44
PCC STA. 621+92.61
I-395 EASTBOUND
PI= 1019+10.07
D = 0°36'32.0"
Δ = 1°15'03.1" RT.
R = 9410.00'
L = 205.44'
T = 102.72'
E = 0.56'
RAMP A
PI= 619+58.18
D = 4°46'28.7"
Δ = 22°41'14.4" RT.
R = 1200.00'
L = 475.16'
T = 240.73'
E = 23.91'

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00

PROJ. MANAGER	R. MOULTON	BY	
DESIGN-DETAILED	D.PRIDE	DATE	SEP. 2021
CHECKED-REVIEWED		SIGNATURE	
DESIGN2-DETAILED2		P.E. NUMBER	
DESIGN3-DETAILED3		DATE	
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

BREWER TO EDDINGTON
I-395\ROUTE 9 CONNECTOR

GEOMETRIC PLANS

SHEET NUMBER

H5

OF 460

Filename: ...\H GEOMETRICS\H6_HDPLAN5.DGN Division: HIGHWAY Username: common Date:9/30/2021

RAMP C
PI= 3013+31.24
D = 14°21'35.4"
Δ = 29°57'57.2" RT.
R = 399.00'
L = 208.68'
T = 106.78'
E = 14.04'

PCC STA. 3014+33.13

RAMP C

3013+00

3014+00

STA. 3013+50.00
OFFSET: 11.0 RT.

STA. 3013+88.30
OFFSET: 8.8 RT.

9" RT.

3

9017+00

9006+00

RAMP D

9005+00

9004+00

9003+00

PC STA. 903+81.67

STA. 903+94.13
OFFSET: 22.0 LT.

STA. 903+62.22
OFFSET: 23.0 LT.

49+00 50+00 51+00 52+00 53+00 54+00 55+00 56+00

RTE. 9

N 58°34'02.00" E

STA. 701+53.24
OFFSET: 14.0 LT.

STA. 700+00.00
OFFSET: 12.0 LT.

STA. 55+57.42
OFFSET: 22.80 RT.

700+00 701+00 702+00 703+00

N 63°34'02.00" E

RAMP E

PT STA. 701+30.90

PC STA. 700+00.00

RAMP E
PI= 700+65.49
D = 3°49'11.0"
Δ = 5°00'00.0" RT.
R = 1500.00'
L = 130.90'
T = 65.49'
E = 1.43'

PT STA. 721+12.39

RAMP

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00

	BY	DATE
PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	D.PRIDE	SEP. 2021
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

BREWER TO EDDINGTON
I-395\ROUTE 9 CONNECTOR

GEOMETRIC PLANS

SHEET NUMBER

H6

OF 460

RAMP D

PI= 900+65.49
D = 3°49'11.0"
Δ = 5°00'00.0" RT.
R = 1500.00'
L = 130.90'
T = 65.49'
E = 1.43'

RAMP D

STA. 901+41.68
OFFSET: 14.0 LT.

PT STA. 901+30.90

STA. 900+10.66
OFFSET: 12.0 LT.

PC STA. 900+00.00

903+00
S 63°34'02.00" W
902+00
901+00
900+00

STA. 62+65.98
OFFSET: 20.0 RT.

56+00
57+00
58+00
59+00
60+00
N 58°34'02.00" E
61+00
62+00
63+00

RTE. 9

STA. 56+35.00
OFFSET: 20.0 RT.

STA. 812+74.79
OFFSET: 14.0 LT.

704+00
705+00
706+00
707+00

PC STA. 703+81.15

STA. 704+07.29
OFFSET: 11.0 RT.

STA. 705+75.00
OFFSET: 8.0 RT.

RAMP E

813+00
812+00
811+00
810+00

RAMP F

PCC STA. 813+25.64

RAMP E

PI= 811+34.87
D = 16°51'06.1"
Δ = 81°38'14.0" RT.
R = 340.00'
L = 484.45'
T = 293.67'
E = 109.27'

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00

PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	D.PRIDE	SEP. 2021	SIGNATURE
CHECKED-REVIEWED			
DESIGN2-DETAILED2			P.E. NUMBER
DESIGN3-DETAILED3			
REVISIONS 1			DATE
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

BREWER TO EDDINGTON
I-395\ROUTE 9 CONNECTOR

GEOMETRIC PLANS

SHEET NUMBER

H7

OF 460

Filename: ...\H GEOMETRICS\H7_HDPLAN6.DGN Division: HIGHWAY Username: common Date:9/30/2021

RAMP F

PI= 814+46.67
D = 3°49'11.0"
Δ = 9°13'33.7" RT.
R = 1500.00'
L = 241.54'
T = 121.03'
E = 4.87'

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN 018915.00

	BY	DATE
PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	D.PRIDE	SEP. 2021
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

BREWER TO EDDINGTON
I-395\ROUTE 9 CONNECTOR

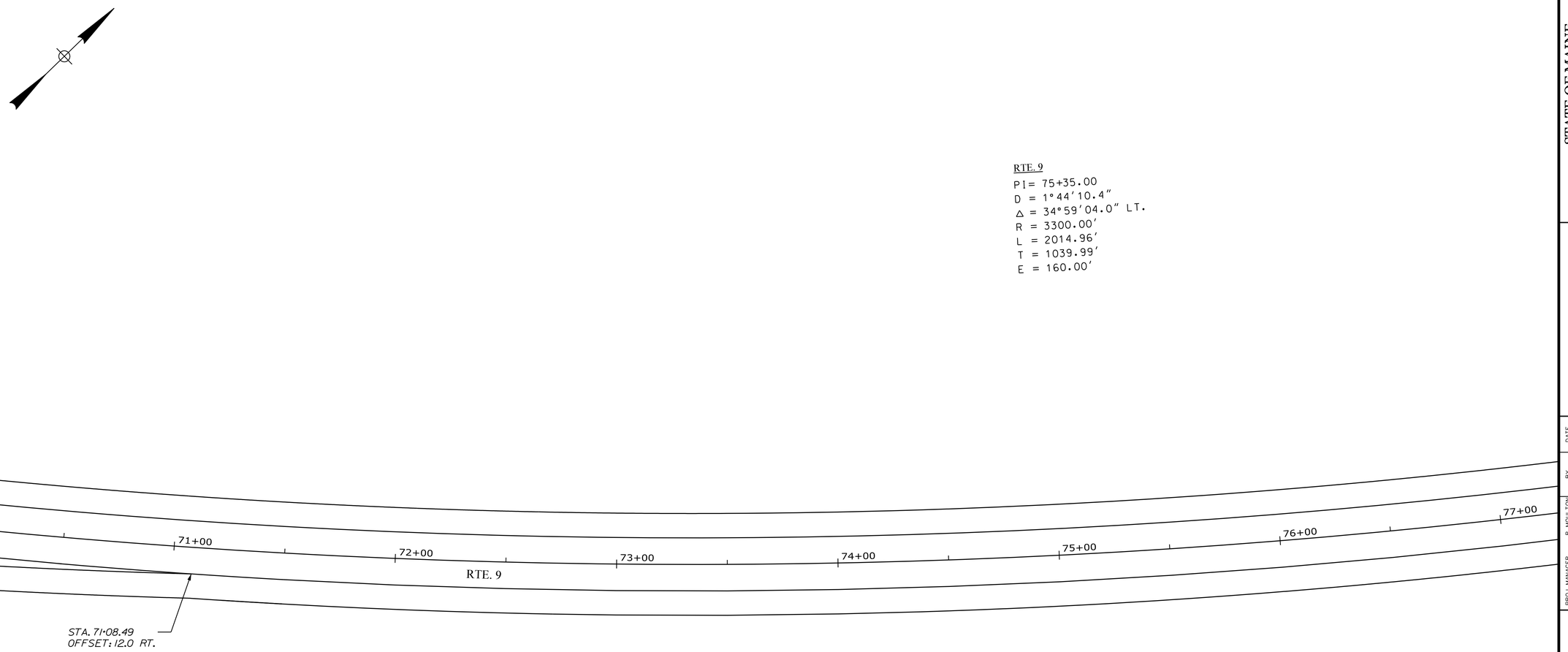
GEOMETRIC PLANS

SHEET NUMBER

H8

OF 460

Filename: ...\H GEOMETRICS\H8_HDPlan7.dgn Division: HIGHWAY Username: common Date:9/30/2021



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN 018915.00

SIGNATURE

P.E. NUMBER

DATE

	BY	DATE
PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	D.PRIDE	SEP. 2021
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

BREWER TO EDDINGTON
I-395\ROUTE 9 CONNECTOR

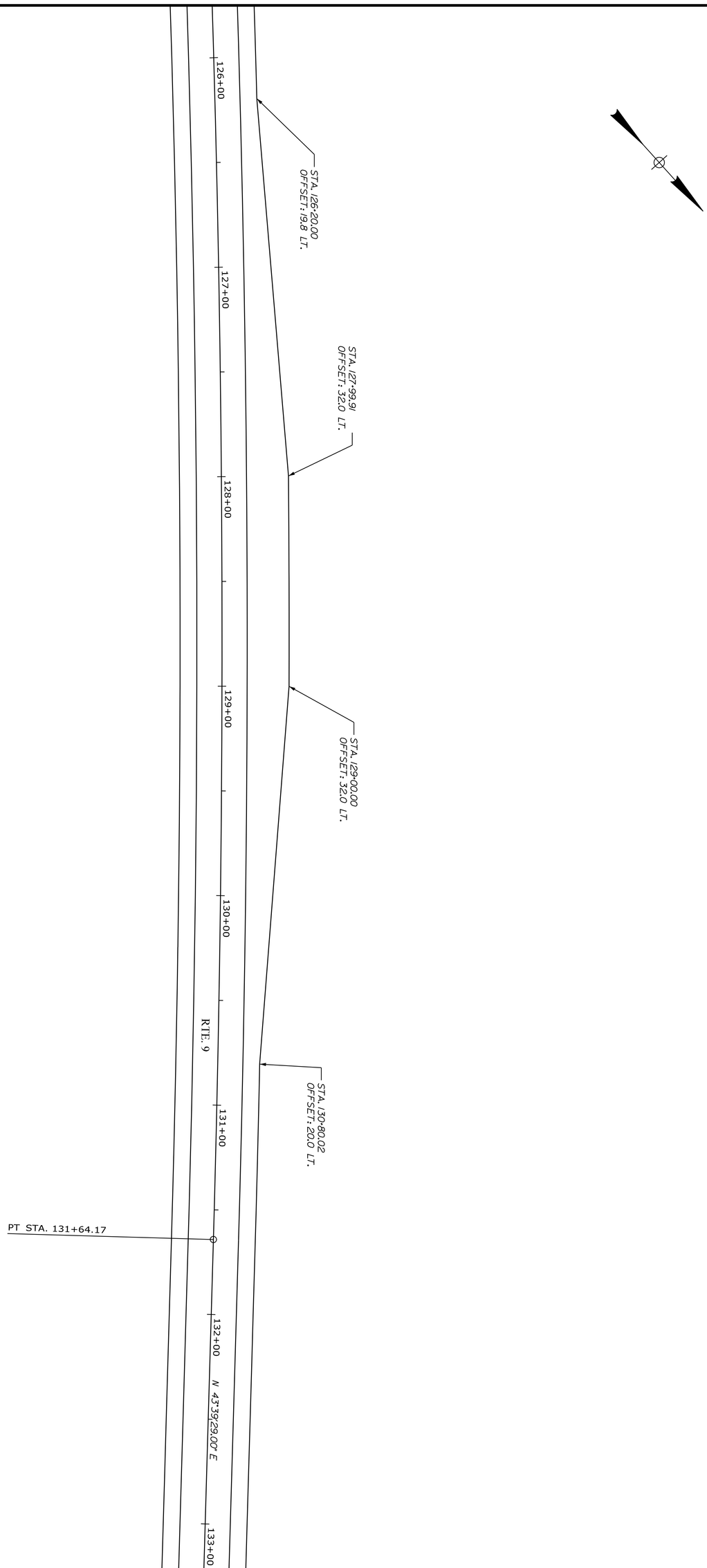
GEOMETRIC PLANS

SHEET NUMBER

H9

OF 460

Filename: ...\H GEOMETRICS\H9_HDPlan8.dgn Division: HIGHWAY Username: common Date:9/30/2021



PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	D.PRIDE		SEP. 2021
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

BREWER TO EDDINGTON
I-395\ROUTE 9 CONNECTOR

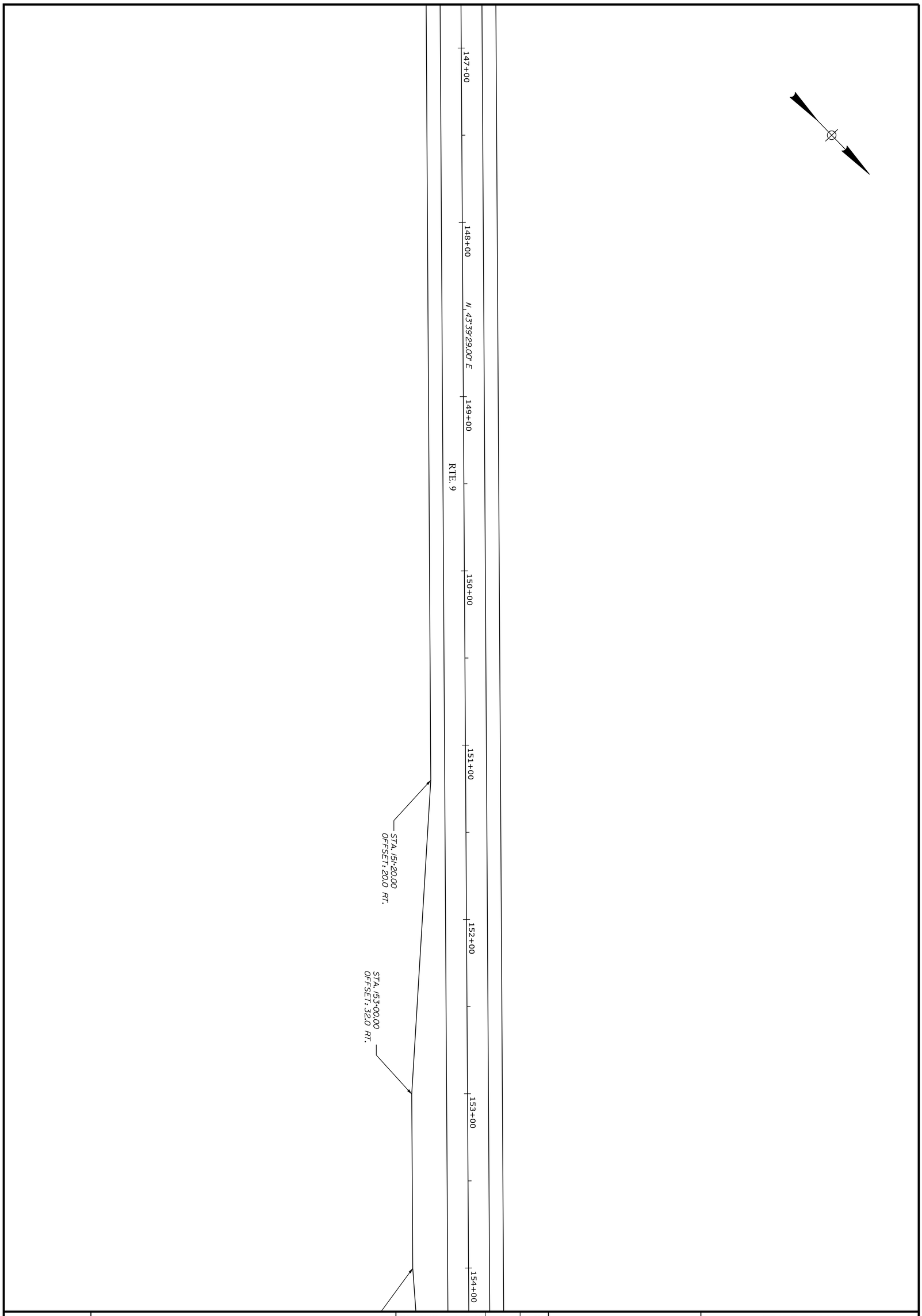
GEOMETRIC PLANS

SHEET NUMBER H10 OF 460

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00



SHEET NUMBER H11 OF 460

BREWER TO EDDINGTON
I-395\ROUTE 9 CONNECTOR

GEOMETRIC PLANS

		BY	DATE
PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	D.PRIDE		SEP. 2021
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

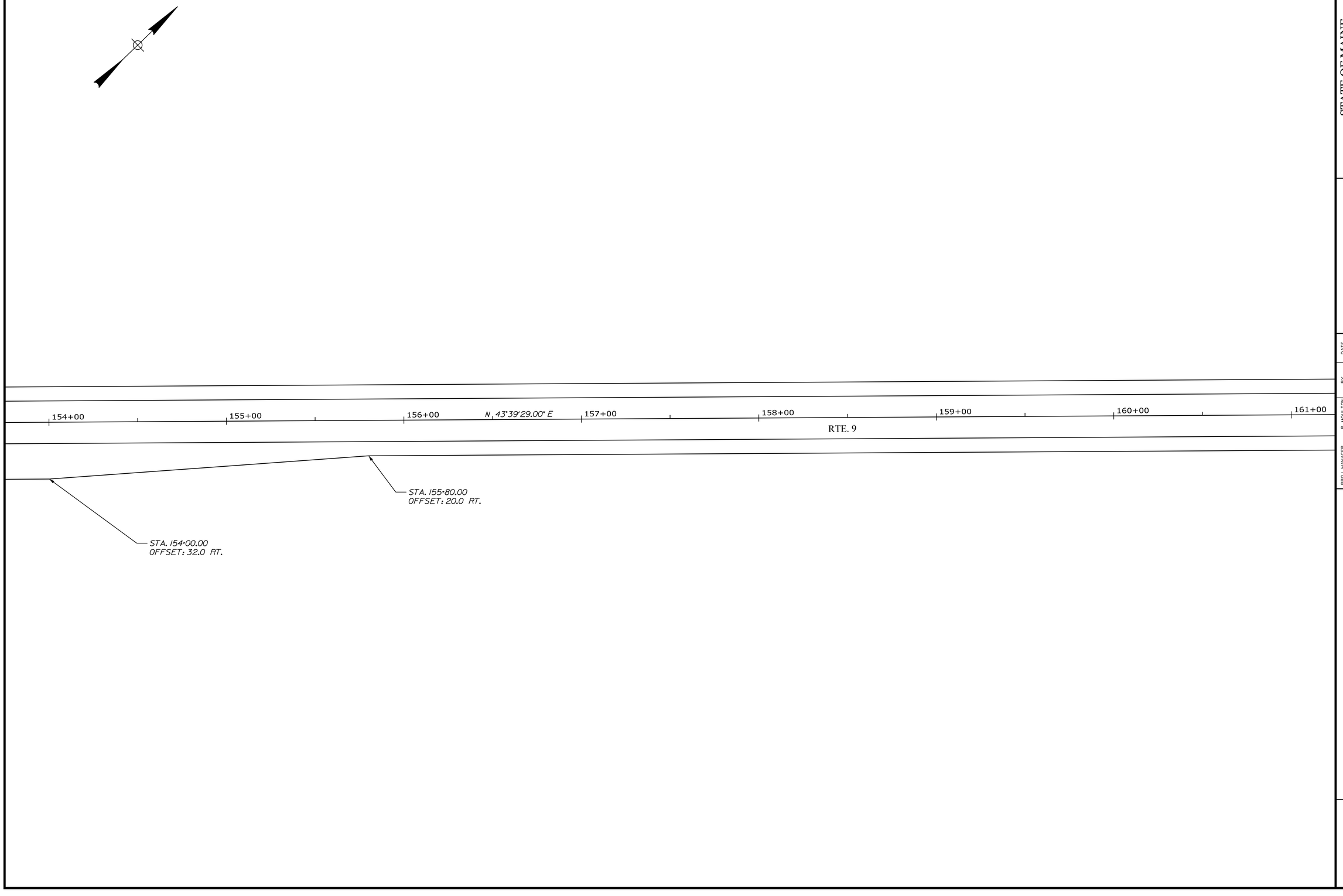
P.E. NUMBER

DATE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00



Filename: ...\H GEOMETRICS\H12_HDPlan20.dgn Division: HIGHWAY Username: common Date:9/30/2021

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN 018915.00

SIGNATURE

P.E. NUMBER

DATE

PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	D.PRIDE	SEP. 2021
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

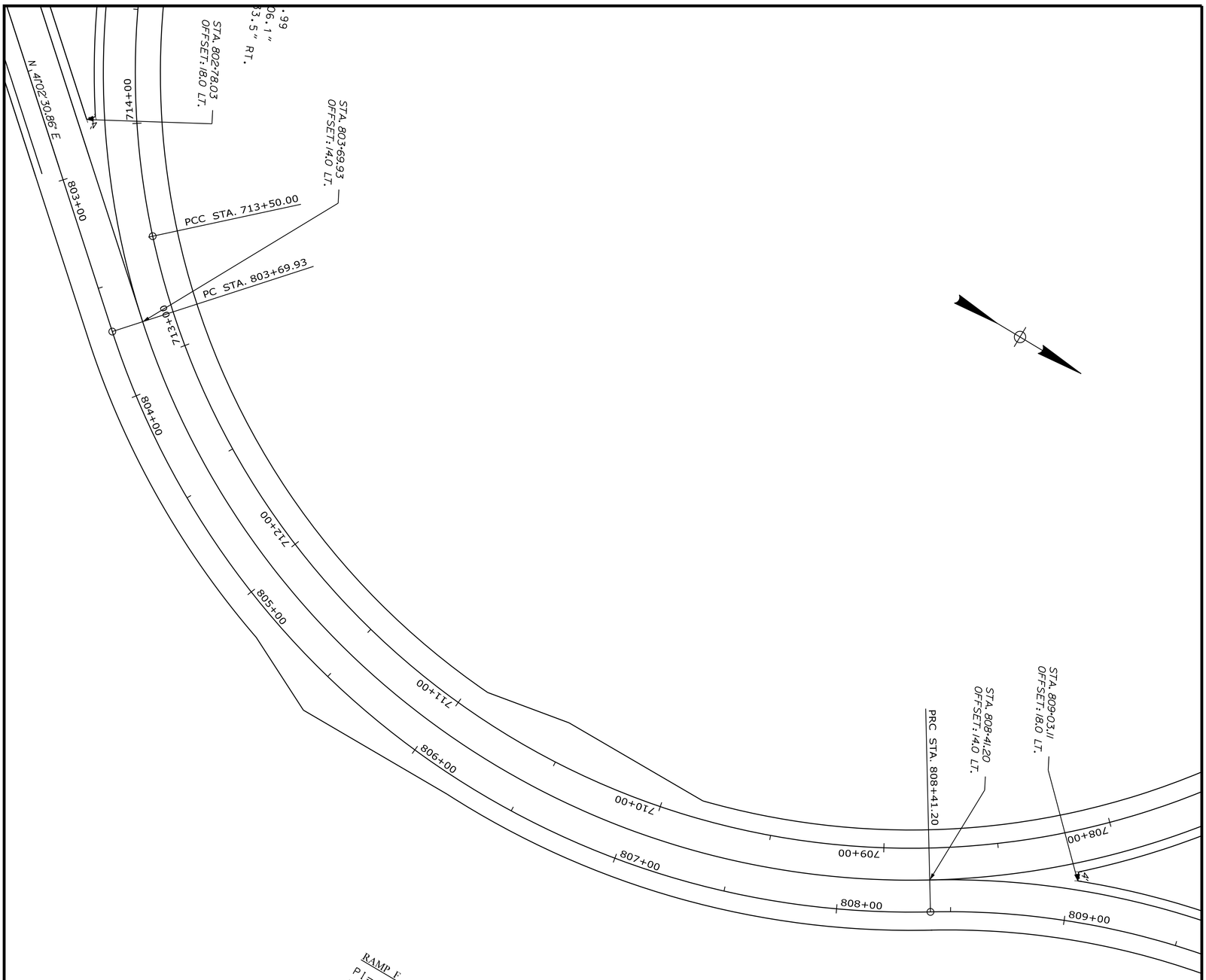
BREWER TO EDDINGTON
I-395\ROUTE 9 CONNECTOR

GEOMETRIC PLANS

SHEET NUMBER

H12

OF 460



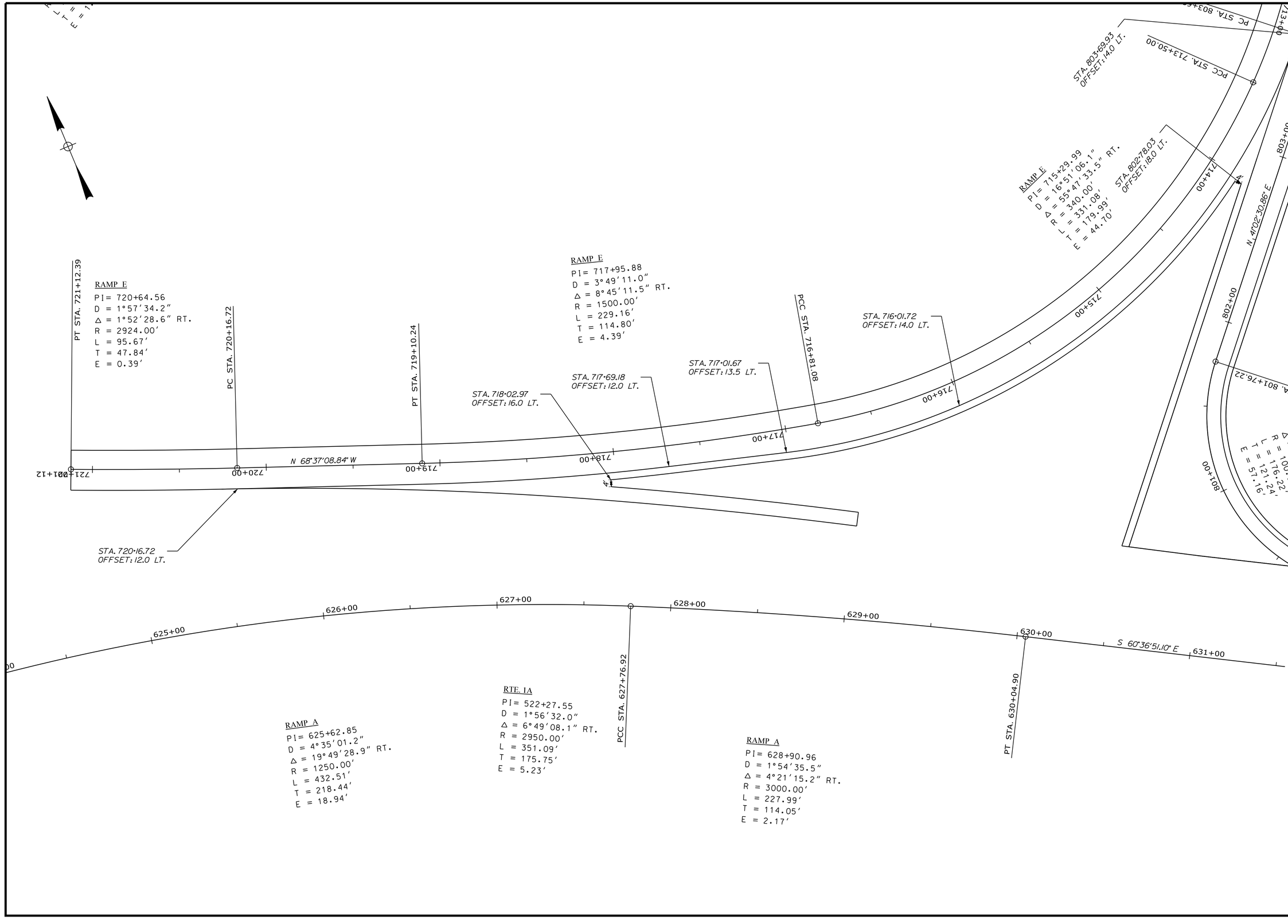
SHEET NUMBER H13 OF 460	BREWER TO EDDINGTON I-395\ROUTE 9 CONNECTOR	PROJ. MANAGER	R. MOULTON	BY	DATE
		DESIGN-DETAILED	D.PRIDE		SEP. 2021
		CHECKED-REVIEWED			
		DESIGN2-DETAILED2			
		DESIGN3-DETAILED3			
		REVISIONS 1			
		REVISIONS 2			
		REVISIONS 3			
		REVISIONS 4			
		FIELD CHANGES			
	GEOMETRIC PLANS	SIGNATURE			
		P.E. NUMBER			
		DATE			

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN 018915.00

Filename: ...\H14_Romp A2-E-F.DGN Division: HIGHWAY Username: common Date:9/30/2021



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00

	BY	DATE
PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	D.PRIDE	SEP. 2021
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

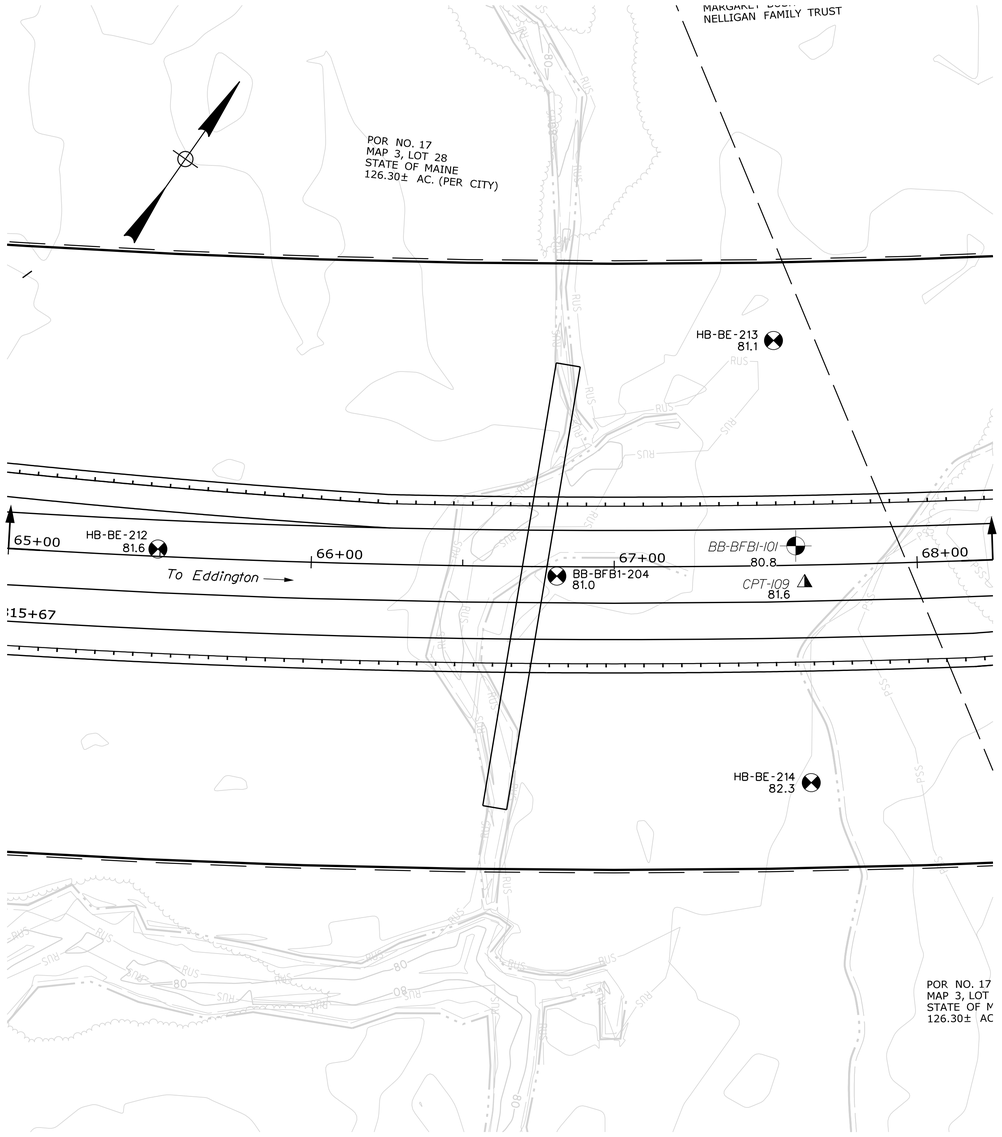
DATE

BREWER TO EDDINGTON
I-395\ROUTE 9 CONNECTOR
GEOMETRIC PLANS

SHEET NUMBER

H14

OF 460



PLAN LEGEND

BB-BE-212 81.6 — *DESIGNATION, AS-DRILLED LOCATION AND GROUND SURFACE ELEVATION OF FINAL DESIGN PHASE (PHASE II) BRIDGE (BB) OR HIGHWAY (HB) TEST BORING DRILLED BY NEW ENGLAND BORING CONTRACTORS OF HERMAN, MAINE FROM OCTOBER 2020 TO FEBRUARY 2021, AND MAINE DEPARTMENT OF TRANSPORTATION FROM MARCH TO APRIL 2021 UNDER THE DIRECTION OF HALEY & ALDRICH.*

BB-BFBI-101 80.8 — *DESIGNATION, AS-DRILLED LOCATION AND GROUND SURFACE ELEVATION OF PRELIMINARY DESIGN PHASE (PHASE I) BRIDGE (BB) OR HIGHWAY (HB) TEST BORING DRILLED BY NORTHERN TEST BORINGS, INC. OF GORHAM, MAINE FROM JULY TO AUGUST 2018, AND NEW ENGLAND BORING CONTRACTORS OF HERMAN, MAINE FROM OCTOBER TO DECEMBER 2018 UNDER THE DIRECTION OF HALEY & ALDRICH.*

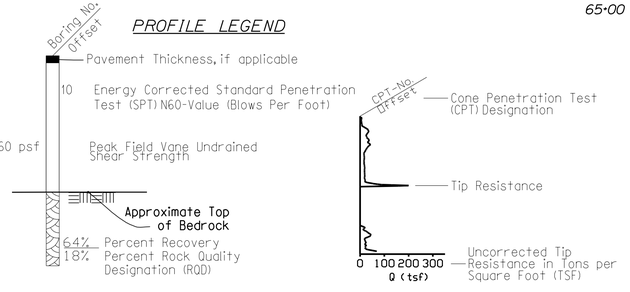
CPT-109 81.6 — *DESIGNATION, AS-DRILLED LOCATION AND GROUND SURFACE ELEVATION OF PIEZOCONE AND SEISMIC PIEZOCONE PENETRATION TEST COMPLETED BY CONETEC, INC. OF WEST BERLIN, NEW JERSEY UNDER THE DIRECTION OF HALEY & ALDRICH IN OCTOBER AND NOVEMBER 2020.*

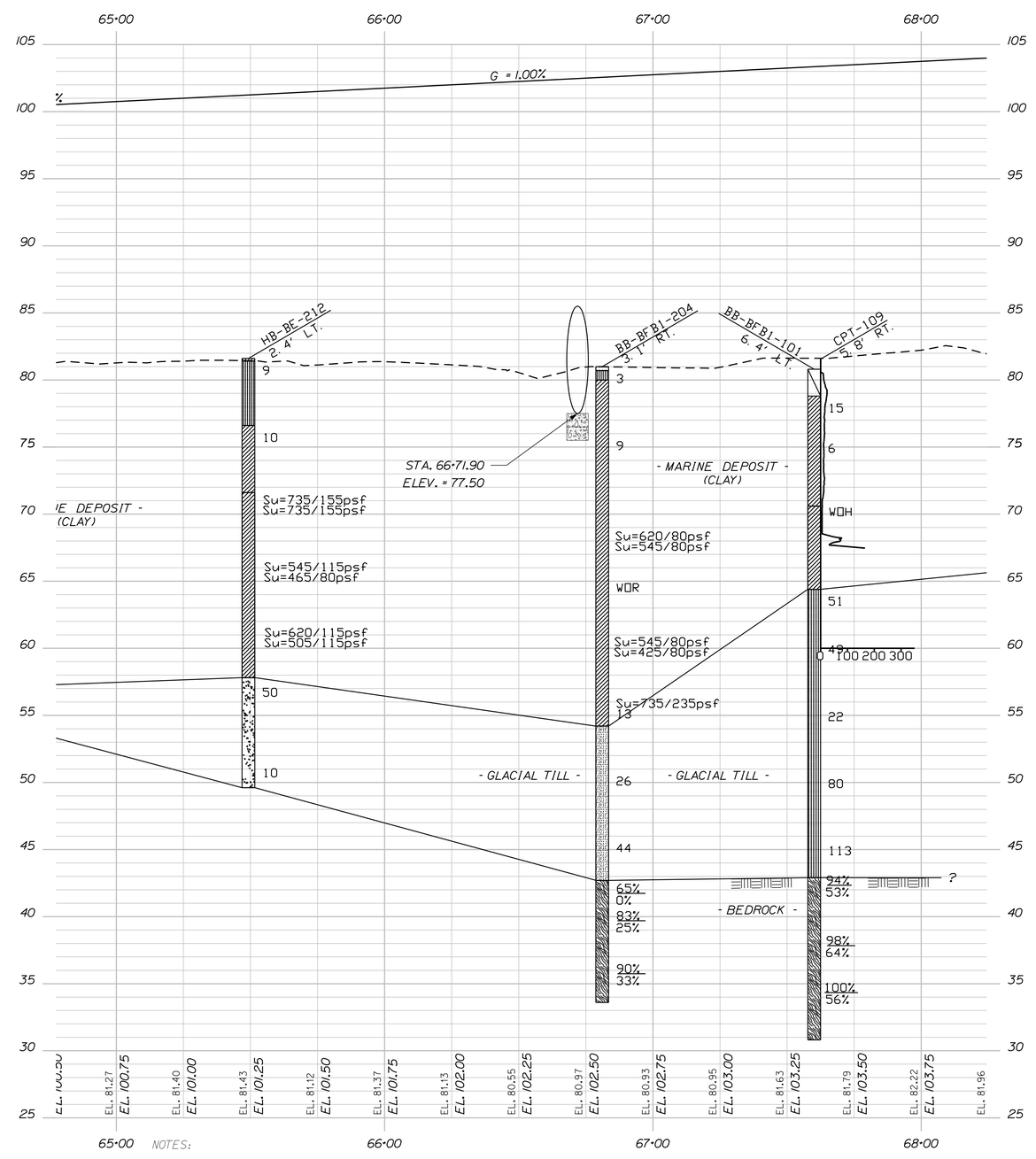
DESIGNATION, APPROXIMATE LOCATION, AND ORIENTATION OF INTERPRETIVE SUBSURFACE PROFILE.

PLAN

25 0 25 50
Scale of Feet

PROFILE LEGEND





NOTES:

1. *EXISTING AND PROPOSED SITE CONDITIONS, THE LOCATION AND ORIENTATION OF EXISTING SITE FEATURES, AND THE PROPOSED STRUCTURES ARE TAKEN FROM ELECTRONIC MICROSTATION FILES PROVIDED BY THE MAINE DEPARTMENT OF TRANSPORTATION.*
2. *THE PLAN LOCATIONS OF AND GROUND SURFACE ELEVATIONS AT TEST BORINGS SHOWN WERE DETERMINED UPON THE COMPLETION OF DRILLING BY THE MAINE DEPARTMENT OF TRANSPORTATION USING GPS SURVEY EQUIPMENT.*
3. *BORING OFFSET SHOWN ON THE PROFILE IS BASED ON PROPOSED I-395/ROUTE 9 CONNECTOR BASELINE.*
4. *THIS GENERALIZED INTERPRETIVE SUBSURFACE 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 BORING LOGS IN THE GEOTECHNICAL DESIGN REPORT.*
5. *ELEVATIONS ARE IN FEET AND REFERENCE THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).*
6. *TEST BORINGS WERE MONITORED IN THE FIELD BY HALEY & ALDRICH, INC. GEOLOGIST OR GEOTECHNICAL ENGINEER.*
7. *REFER TO THE GEOTECHNICAL DESIGN REPORT FOR TEST BORING LOGS, ROCK CORE PHOTOGRAPHS, OBSERVATION WELL INSTALLATION AND GROUNDWATER MONITORING REPORTS, AND PIEZOCONE AND SEISMIC PIEZOCONE PENETRATION TEST REPORT.*

Horiz. 25 0 25 50
Vert. 5 0 5 10
Scale of Feet

HALEY ALDRICH

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

01891500

WIN
018915.00

STATE OF MAINE · WAYNE A. CHADBOURNE · No. 10620 · LICENSED PROFESSIONAL ENGINEER

	BY	DATE
PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	E. FORCE	K. POST	6-18-21
CHECKED-REVIEWED	E. FORCE	W. CHADBOURNE	8-25-21
DESIGN2-DETAILED2	----	----	-----
DESIGN3-DETAILED3	----	----	-----
REVISIONS 1	----	----	-----
REVISIONS 2	----	----	-----
REVISIONS 3	----	----	-----
REVISIONS 4	----	----	-----
FIELD CHANGES	----	----	-----

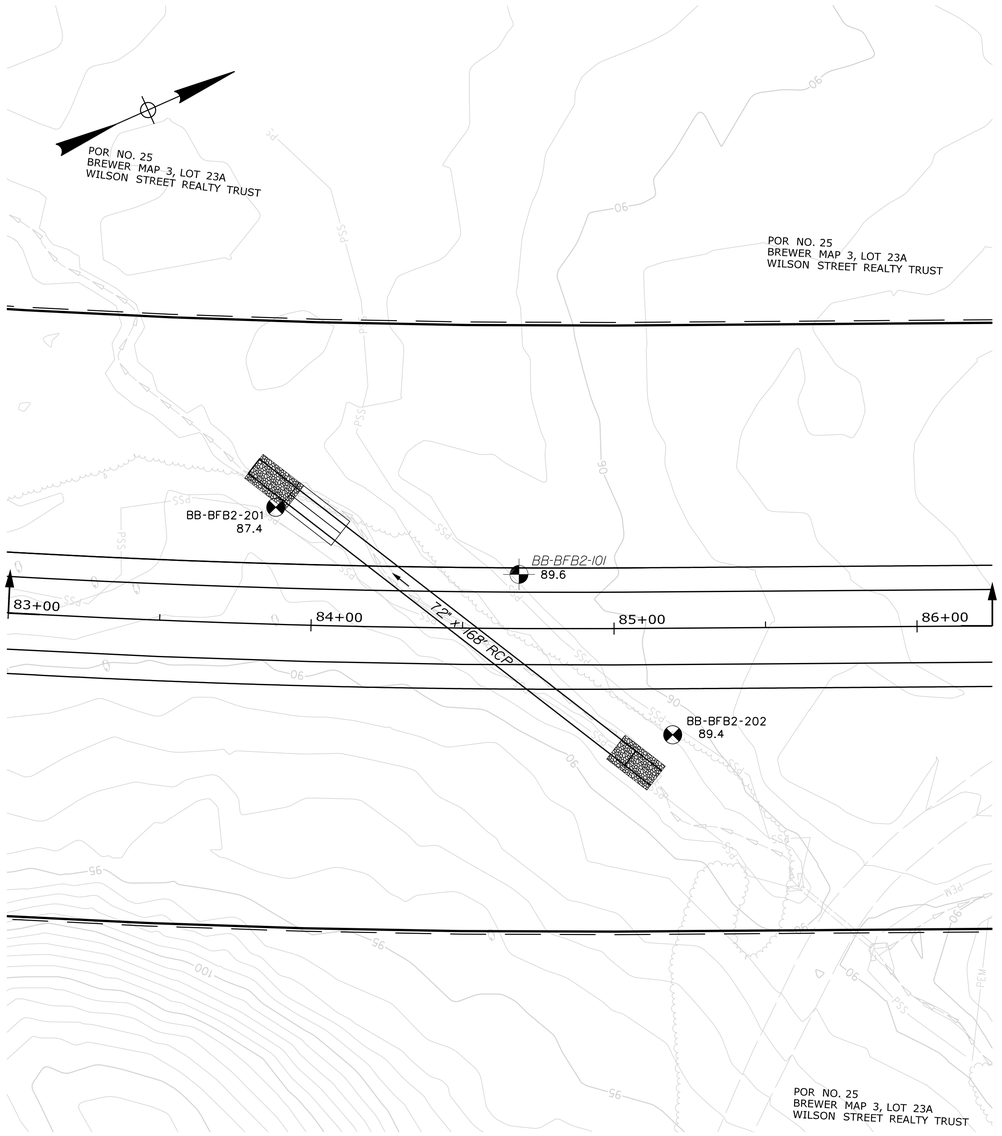
10620 — P.E. NUMBER
SIGNATURE
9-17-21 — DATE

I-395/ROUTE 9 CONNECTOR
HIGHWAY CULVERT AT STA. 66+74
BREWER TO EDDINGTON PENOBSCOT COUNTY

BORING LOCATION PLAN & INTERPRETIVE SUBSURFACE PROFILE

SHEET NUMBER
H15
OF 460

Date: 9/17/2021
Username:
Filename: ...\100_CD Plan Profile_Hwy Culvert 66+74 Bridgton



PLAN

25 0 25 50

Scale of Feet

PLAN LEGEND

BB-BE-212 81.6 — DESIGNATION, AS-DRILLED LOCATION AND GROUND SURFACE ELEVATION OF FINAL DESIGN PHASE (PHASE II) BRIDGE (BB) OR HIGHWAY (HB) TEST BORING DRILLED BY NEW ENGLAND BORING CONTRACTORS OF HERMAN, MAINE FROM OCTOBER 2020 TO FEBRUARY 2021, AND MAINE DEPARTMENT OF TRANSPORTATION FROM MARCH TO APRIL 2021 UNDER THE DIRECTION OF HALEY & ALDRICH.

BB-BFBI-101 80.8 — DESIGNATION, AS-DRILLED LOCATION AND GROUND SURFACE ELEVATION OF PRELIMINARY DESIGN PHASE (PHASE I) BRIDGE (BB) OR HIGHWAY (HB) TEST BORING DRILLED BY NORTHERN TEST BORINGS, INC. OF GORHAM, MAINE FROM JULY TO AUGUST 2018, AND NEW ENGLAND BORING CONTRACTORS OF HERMAN, MAINE FROM OCTOBER TO DECEMBER 2018 UNDER THE DIRECTION OF HALEY & ALDRICH.

DESIGNATION, APPROXIMATE LOCATION, AND ORIENTATION OF INTERPRETIVE SUBSURFACE PROFILE.

PROFILE LEGEND

Boring No.
Offset

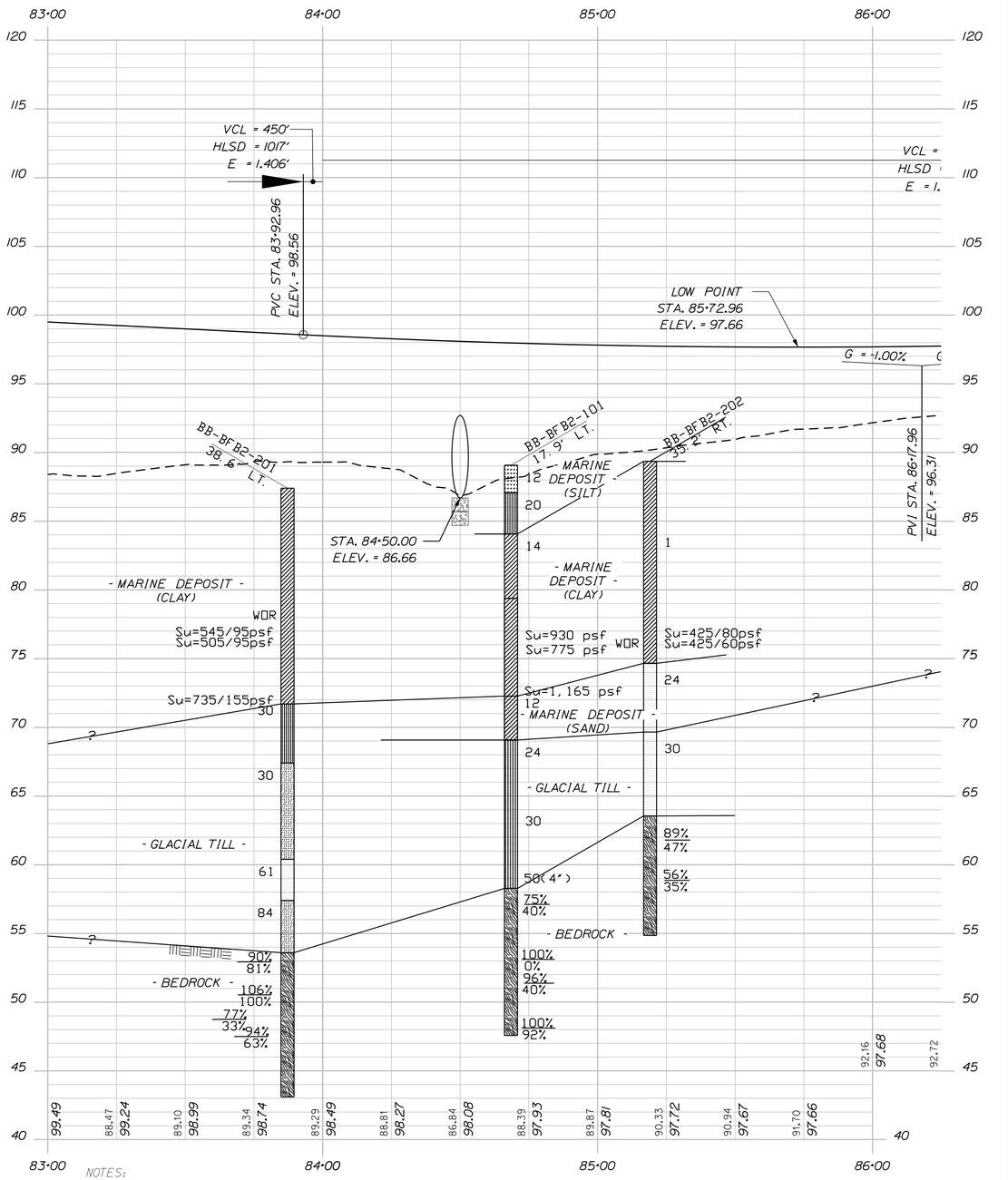
Pavement Thickness, if applicable

10 — Energy Corrected Standard Penetration Test (SPT) N60-Value (Blows Per Foot)

Su=560 psf — Peak Field Vane Undrained Shear Strength

Approximate Top of Bedrock

64% — Percent Recovery
18% — Percent Rock Quality Designation (RQD)



NOTES:

1. EXISTING AND PROPOSED SITE CONDITIONS, THE LOCATION AND ORIENTATION OF EXISTING SITE FEATURES, AND THE PROPOSED STRUCTURES ARE TAKEN FROM ELECTRONIC MICROSTATION FILES PROVIDED BY THE MAINE DEPARTMENT OF TRANSPORTATION.
2. THE PLAN LOCATIONS OF AND GROUND SURFACE ELEVATIONS AT TEST BORINGS SHOWN WERE DETERMINED UPON THE COMPLETION OF DRILLING BY THE MAINE DEPARTMENT OF TRANSPORTATION USING GPS SURVEY EQUIPMENT.
3. BORING OFFSET SHOWN ON THE PROFILE IS BASED ON PROPOSED I-395/ROUTE 9 CONNECTOR BASELINE.
4. THIS GENERALIZED INTERPRETIVE SUBSURFACE 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 BORING LOGS IN THE GEOTECHNICAL DESIGN REPORT.
5. ELEVATIONS ARE IN FEET AND REFERENCE THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
6. TEST BORINGS WERE MONITORED IN THE FIELD BY HALEY & ALDRICH, INC. GEOLOGIST OR GEOTECHNICAL ENGINEER.
7. REFER TO THE GEOTECHNICAL DESIGN REPORT FOR TEST BORING LOGS, ROCK CORE PHOTOGRAPHS, OBSERVATION WELL INSTALLATION AND GROUNDWATER MONITORING REPORTS, AND PIEZOCONE AND SEISMIC PIEZOCONE PENETRATION TEST REPORT.

Horiz. 25 0 25 50
Vert. 5 0 5 10

Scale of Feet

HALEY ALDRICH

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

01891500

WIN
018915.00

STATE OF MAINE — WAYNE A. CHADBOURNE — No. 10620 — LICENSED PROFESSIONAL ENGINEER

PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	E. FORCE	K. POST	6-18-21
CHECKED-REVIEWED	E. FORCE	W. CHADBOURNE	8-25-21
DESIGN2-DETAILED2	----	----	----
DESIGN3-DETAILED3	----	----	----
REVISIONS 1	------	------	------
REVISIONS 2	------	------	------
REVISIONS 3	------	------	------
REVISIONS 4	------	------	------
FIELD CHANGES	------	------	------

10620 — P.E. NUMBER
9-17-21 — DATE

I-395/ROUTE 9 CONNECTOR
HIGHWAY CULVERT AT STA. 84+50
BREWER TO EDDINGTON PENOBSCOT COUNTY

BORING LOCATION PLAN & INTERPRETIVE SUBSURFACE PROFILE

SHEET NUMBER

H16

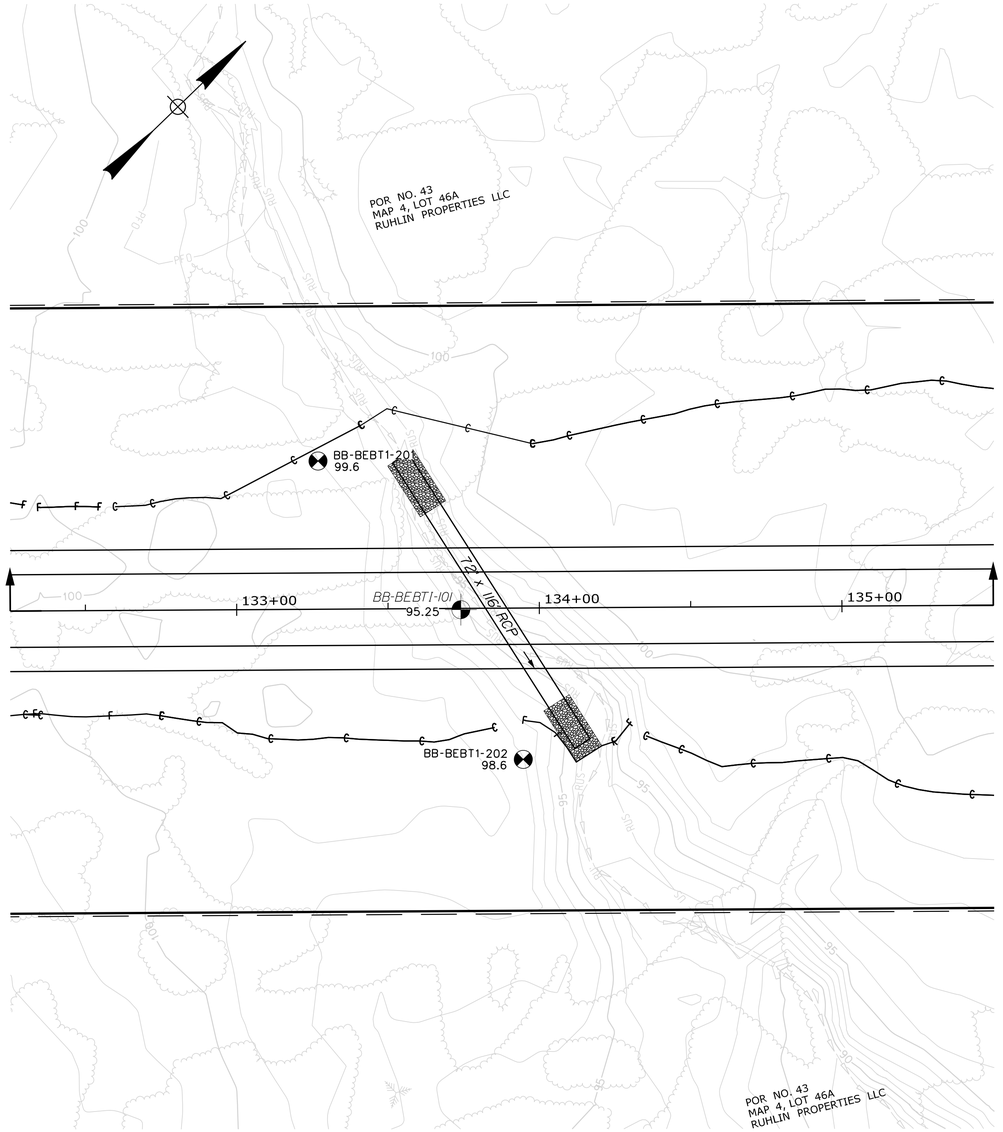
OF 460

Date: 9/17/2021

Username:

Filename: ...\101_CD Plan Profile_Hwy Culvert 84+50.dgn

Username:
Date:9/17/2021
Filename: ...\102_CD Plan Profile_Hwy Culvert 134+00 Division



PLAN LEGEND

BB-BEBTI-202 98.6 — DESIGNATION, AS-DRILLED LOCATION AND GROUND SURFACE ELEVATION OF FINAL DESIGN PHASE (PHASE II) BRIDGE (BB) OR HIGHWAY (HB) TEST BORING DRILLED BY NEW ENGLAND BORING CONTRACTORS OF HERMAN, MAINE FROM OCTOBER 2020 TO FEBRUARY 2021, AND MAINE DEPARTMENT OF TRANSPORTATION FROM MARCH TO APRIL 2021 UNDER THE DIRECTION OF HALEY & ALDRICH.

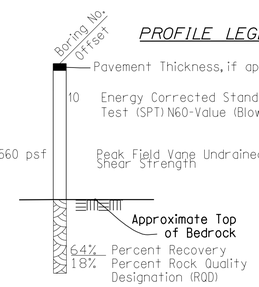
BB-BEBTI-101 95.25 — DESIGNATION, AS-DRILLED LOCATION AND GROUND SURFACE ELEVATION OF PRELIMINARY DESIGN PHASE (PHASE I) BRIDGE (BB) OR HIGHWAY (HB) TEST BORING DRILLED BY NORTHERN TEST BORINGS, INC. OF GORHAM, MAINE FROM JULY TO AUGUST 2018, AND NEW ENGLAND BORING CONTRACTORS OF HERMAN, MAINE FROM OCTOBER TO DECEMBER 2018 UNDER THE DIRECTION OF HALEY & ALDRICH.

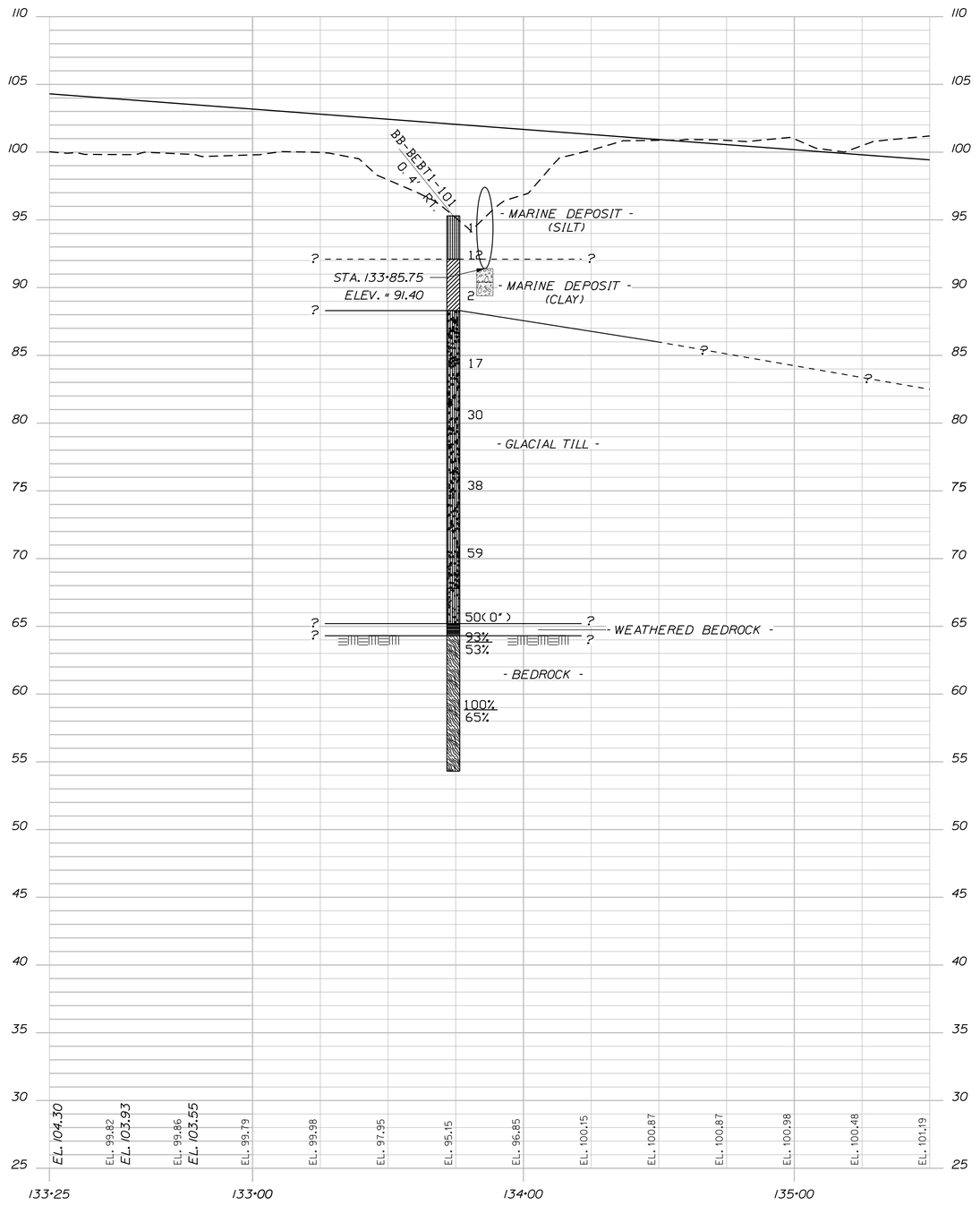
DESIGNATION, APPROXIMATE LOCATION, AND ORIENTATION OF INTERPRETIVE SUBSURFACE PROFILE.

PLAN

25 0 25 50
Scale of Feet

PROFILE LEGEND





NOTES:

1. EXISTING AND PROPOSED SITE CONDITIONS, THE LOCATION AND ORIENTATION OF EXISTING SITE FEATURES, AND THE PROPOSED STRUCTURES ARE TAKEN FROM ELECTRONIC MICROSTATION FILES PROVIDED BY THE MAINE DEPARTMENT OF TRANSPORTATION.
2. THE PLAN LOCATIONS OF AND GROUND SURFACE ELEVATIONS AT TEST BORINGS SHOWN WERE DETERMINED UPON THE COMPLETION OF DRILLING BY THE MAINE DEPARTMENT OF TRANSPORTATION USING GPS SURVEY EQUIPMENT.
3. BORING OFFSET SHOWN ON THE PROFILE IS BASED ON PROPOSED I-395/ROUTE 9 CONNECTOR BASELINE.
4. THIS GENERALIZED INTERPRETIVE SUBSURFACE 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 BORING LOGS IN THE GEOTECHNICAL DESIGN REPORT.
5. ELEVATIONS ARE IN FEET AND REFERENCE THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
6. TEST BORINGS WERE MONITORED IN THE FIELD BY HALEY & ALDRICH, INC. GEOLOGIST OR GEOTECHNICAL ENGINEER.
7. REFER TO THE GEOTECHNICAL DESIGN REPORT FOR TEST BORING LOGS, ROCK CORE PHOTOGRAPHS, OBSERVATION WELL INSTALLATION AND GROUNDWATER MONITORING REPORTS, AND PIEZOCONE AND SEISMIC PIEZOCONE PENETRATION TEST REPORT.

Horiz. 25 0 25 50
Vert. 5 0 5 10
Scale of Feet

HALEY ALDRICH

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

01891500

WIN
018915.00

STATE OF MAINE — WAYNE A. CHADBOURNE — No. 10620 — PROFESSIONAL ENGINEER

WAYNE A. CHADBOURNE
10620
P.E. NUMBER

9-17-21
DATE

	R. MOULTON	DATE
PROJ. MANAGER		
DESIGN-DETAILED	E. FORCE	6-18-21
CHECKED-REVIEWED	E. FORCE	8-25-21
DESIGN2-DETAILED2	----	-----
DESIGN3-DETAILED3	----	-----
REVISIONS 1	----	-----
REVISIONS 2	----	-----
REVISIONS 3	----	-----
REVISIONS 4	----	-----
FIELD CHANGES	----	-----

BY	DATE
K. POST	6-18-21
W. CHADBOURNE	8-25-21
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I-395/ROUTE 9 CONNECTOR
HIGHWAY CULVERT AT STA. 134+00
BREWER TO EDDINGTON PENOBSCOT COUNTY

BORING LOCATION PLAN & INTERPRETIVE SUBSURFACE PROFILE

SHEET NUMBER

H17

OF 460

EASTERN MAINE MEDICAL CENTER

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STA. 21+50.00
PROJ. NO. 1891500
LIMIT OF WORK

STA. 25+00.00
PROJ. NO. 1891500
BEGIN PROJECT

BEGIN MILL & FILL AT
STA. 2000+00.00

I-395 EASTBOUND
PI= 1000+71.00
D = 2°27'25.0"
Δ = 3°29'15.2" LT.
R = 2332.00'
L = 141.95'
T = 71.00'
E = 1.08'

RAMP A
PI= 601+12.76
D = 2°25'54.9"
Δ = 5°28'49.7" LT.
R = 2356.00'
L = 225.36'
T = 112.76'
E = 2.70'

I-395 WESTBOUND
PI= 2003+42.53
D = 2°31'18.6"
Δ = 17°08'48.3"
R = 2272.00'
L = 679.94'
T = 342.53'
E = 25.67'

REMOVE

HB-BE-303

SAWCUT PAVEMENT, INCIDENTAL
TO COMMON EXCAVATION

PC STA. 2000+00.00

PCC STA. 1001+41.95

I-395 (WB)

SWL

21+00 22+00 23+00 24+00 25+00 26+00 27+00 28+00

2000+00 2001+00 2002+00 2003+00

BEGIN MILL & FILL AT
STA. 1000+00.00

BEGIN TRANSITION TO
FULL CONSTRUCTION AT
STA. 1001+41.95

HB-BE-301

I-395 (EB)

RAMP A

1000+00 1001+00 1002+00 1003+00

600+00 601+00

PC STA. 1000+00.00

HB-BE-302

BEGIN FULL CONSTRUCTION AT
STA. 1001+91.95

STATE OF MAINE

Usename: common
Date:9/27/2021
Division: HIGHWAY
Filename: ...\H18_HDPLAN1.DGN

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00

PROJ. MANAGER	R. MOULTON	DATE	SEP. 2021
DESIGN-DETAILED	D.PRIDE	BY	
CHECKED-REVIEWED		SIGNATURE	
DESIGN2-DETAILED2			
DESIGN3-DETAILED3		P.E. NUMBER	
REVISIONS 1			
REVISIONS 2		DATE	
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

BREWER TO EDDINGTON
I-395\ROUTE 9 CONNECTOR

PLANS

SHEET NUMBER

H18

OF 460

Filename: ...\H19_HDPLAN2.DGN Division: HIGHWAY Username: common Date:9/27/2021

EASTERN MAINE MEDICAL CENTER

I-395 WESTBOUND
PI= 2003+42.53
D = 2°31'18.6"
Δ = 17°08'48.3" LT.
R = 2272.00'
L = 679.94'
T = 342.53'
E = 25.67'

RAMP A
PI= 602+83.82
D = 2°49'30.8"
Δ = 3°18'09.3" LT.
R = 2028.00'
L = 116.90'
T = 58.46'
E = 0.84'

I-395 EASTBOUND
PI= 1004+49.17
D = 2°39'53.7"
Δ = 16°15'52.5" LT.
R = 2150.00'
L = 610.32'
T = 307.23'
E = 21.84'

RAMP A
PI= 604+60.40
D = 2°50'51.7"
Δ = 4°17'10.0" LT.
R = 2012.00'
L = 150.51'
T = 75.29'
E = 1.41'

RAMP A
PI= 606+79.65
D = 0°49'01.6"
Δ = 2°21'12.4" LT.
R = 7012.00'
L = 288.02'
T = 144.03'
E = 1.48'

REMOVE
HB-BE-303
HB-BE-304
HB-BE-305
HB-BE-306
HB-BE-307
HB-BE-308
HB-BE-309
HB-BE-310
HB-BE-311
HB-BE-312
HB-BE-313
HB-BE-314

PC STA. 603+85.11
PCC STA. 605+35.62
PT STA. 2006+79.94
PT STA. 4019+33.79
PT STA. 1007+52.27
PT STA. 32+42.69
PCC STA. 602+25.36
PT STA. 603+42.25
PT STA. 608+23.64

SAWCUT PAVEMENT, INCIDENTAL TO COMMON EXCAVATION
RAMP B
BEGIN TRANSITION TO FULL CONSTRUCTION AT STA. 2006+79.94
BEGIN FULL CONSTRUCTION AT STA. 2007+29.94
I-395 (WB)
I-395 (EB)
RAMP A
STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
STATE OF MAINE
N 64°47'52.40" E
N 58°34'02.00" E

10' 12' 12' 12' 12' 8' 8' 4' 4' 8' 12' 12' 12' 12' 8' 8' 4' 4' 8' 12' 12' 12' 12' 8' 8' 4' 4'

2003+00 2004+00 2005+00 2006+00 2007+00 2008+00 2009+00 2010+00
28+00 29+00 30+00 31+00 32+00 33+00 34+00 35+00
1003+00 1004+00 1005+00 1006+00 1007+00 1008+00 1009+00 1010+00
602+00 603+00 604+00 605+00 606+00 607+00 608+00
4016+00 4017+00 4018+00 4019+00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
1891500
WIN 018915.00

PROJ. MANAGER	R. MOULTON	DATE	SEP. 2021
DESIGN-DETAILED	D.PRIDE	BY	
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE
P.E. NUMBER
DATE

BREWER TO EDDINGTON
I-395\ROUTE 9 CONNECTOR
PLANS

SHEET NUMBER
H19
OF 460

EASTERN MAINE MEDICAL CENTER

RAMP B
PI= 4015+64.83
D = 1°54'35.5"
Δ = 14°09'57.2" RT.
R = 3000.00'
L = 741.72'
T = 372.76'
E = 23.07'

PC STA. 4011+92.07

RAMP B

S 45°45'21.04" W

I-395 (WB)

I-395 (EB)

N 59°55'18.28" E

N 58°34'02.00" E

N 57°18'58.86" E

N 58°09'30.04" E

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

RAMP A

PC STA. 611+51.14

RAMP A
PI= 614+34.52
D = 1°00'00.4"
Δ = 5°39'49.0" RT.
R = 5729.00'
L = 566.30'
T = 283.38'
E = 7.00'

STATE OF MAINE

36" x 64" RCP

36" x 84" RCP

24" x 92" RCP

24" x 88" RCP

24"x12' RCP

6" X 283' UD

6" X 163' UD

6" X 272' UD

PLUG 6" PIPE ENDS

REMOVE

CB#1

CB#2

CB#3

HB-BE-314

HB-BE-315

HB-BE-316

HB-BE-317

HB-BE-318

HB-BE-319

HB-BE-320

LIGHT METAL

12" CMP

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00

	BY	DATE
PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	D.PRIDE	SEP. 2021
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

BREWER TO EDDINGTON
I-395\ROUTE 9 CONNECTOR

PLANS

SHEET NUMBER

H20

OF 460

Filename: ...\H20_HDPLAN3.DGN Division: HIGHWAY Username: common Date:9/27/2021

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00

	BY	DATE
DESIGN-DETAILED	R. MOULTON	SEP. 2021
CHECKED-REVIEWED	D.PRIDE	
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
PROJ. MANAGER		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

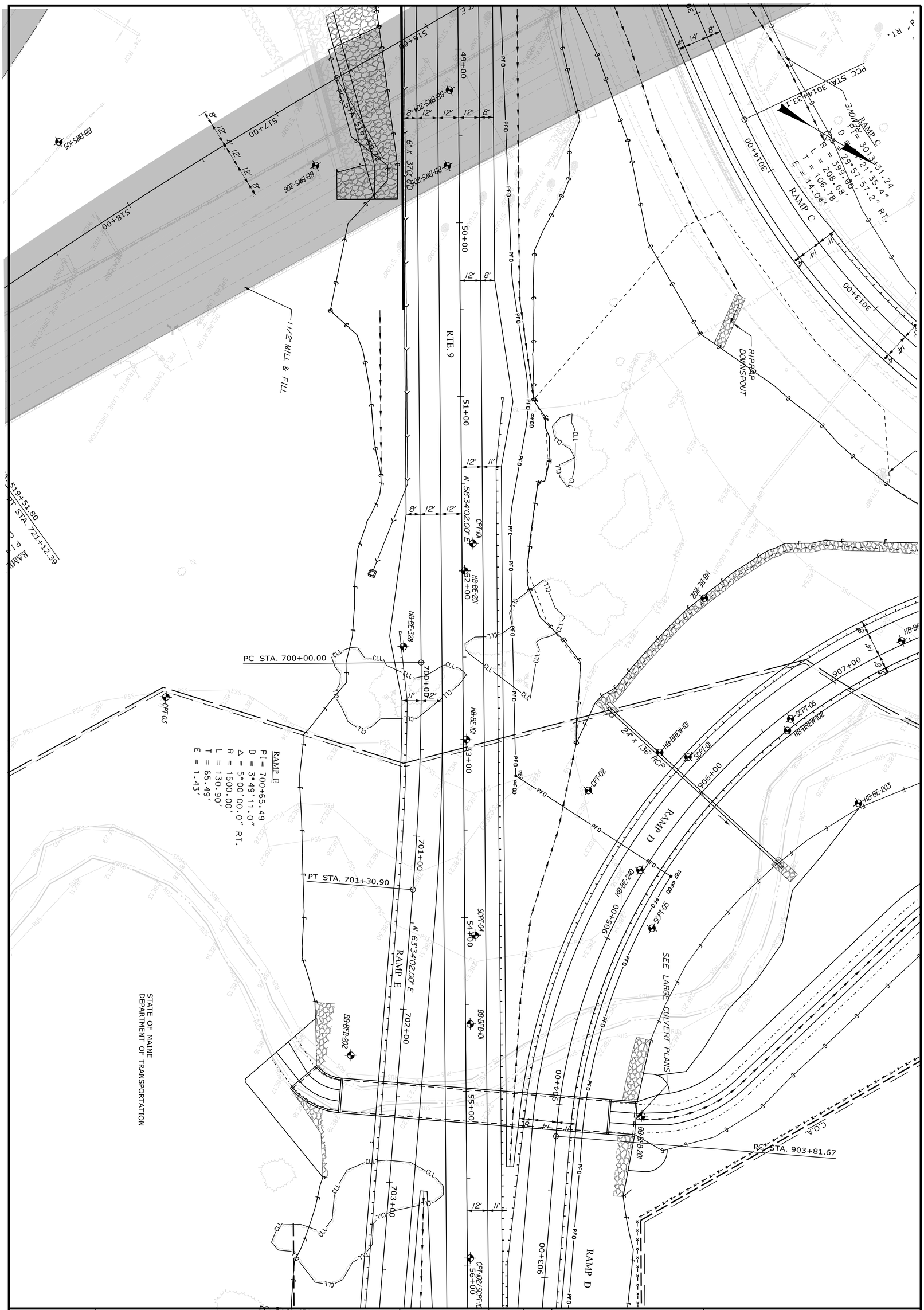
BREWER TO EDDINGTON
I-395\ROUTE 9 CONNECTOR
PLANS

SHEET NUMBER

H21

OF 460

Filename: ...\H21_HDPLAN4.DGN Division: HIGHWAY Username: common Date:9/27/2021



PROJ. MANAGER	R. MOULTON	BY	DATE	
DESIGN-DETAILED	D.PRIDE		SEP. 2021	
CHECKED-REVIEWED				SIGNATURE
DESIGN2-DETAILED2				
DESIGN3-DETAILED3				P.E. NUMBER
REVISIONS 1				
REVISIONS 2				DATE
REVISIONS 3				
REVISIONS 4				
FIELD CHANGES				

BREWER TO EDDINGTON
I-395\ROUTE 9 CONNECTOR

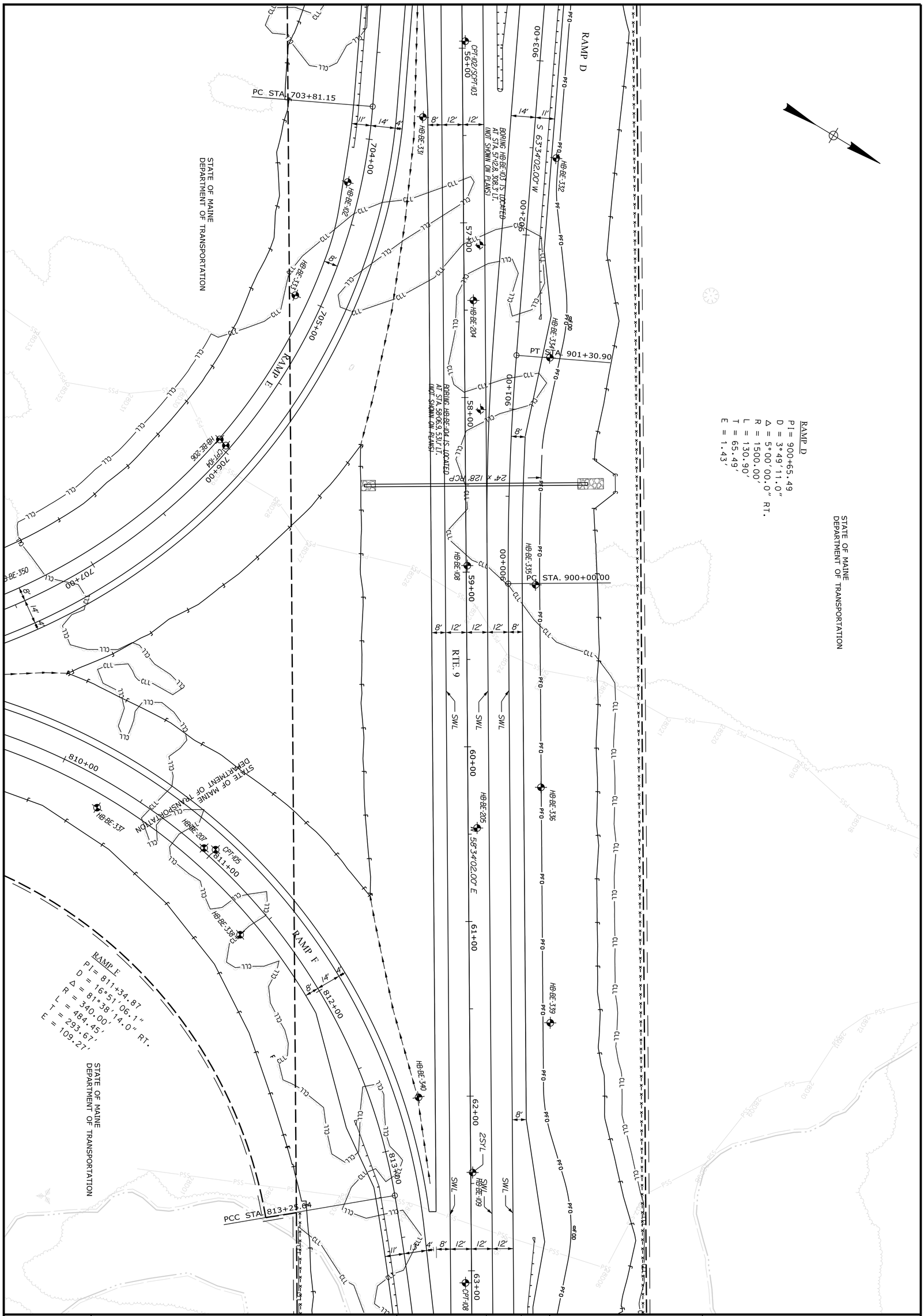
PLANS

SHEET NUMBER 22H OF 460

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00



SHEET NUMBER H23 OF 460	BREWER TO EDDINGTON I-395\ROUTE 9 CONNECTOR	PROJ. MANAGER	R. MOULTON	BY	DATE
		DESIGN-DETAILED	D.PRIDE		SEP. 2021
		CHECKED-REVIEWED			
		DESIGN2-DETAILED2			
		DESIGN3-DETAILED3			
		REVISIONS 1			
		REVISIONS 2			
		REVISIONS 3			
		REVISIONS 4			
		FIELD CHANGES			
	PLANS	SIGNATURE			
		P.E. NUMBER			
		DATE			

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

MARGARET BUSH
TRUSTEE OF THE NELLIGAN FAMILY TRUST

SEE LARGE CULVERT PLANS

FLOW

PC STA. 64+95.00

PT STA. 815+67.18

RAMP F

N 58°34'02.00" E

RTE. 9

96" X 152' RCP

BB-BFBI-201
BB-BFBI-202
BB-BFBI-203
BB-BFBI-204
BB-BFBI-102
HB-BE-212
HB-BE-213
HB-BE-214
HB-BE-215
CPT-108
CPT-109

63+00
64+00
65+00
66+00
67+00
68+00
69+00
70+00
814+00
815+00
815+67

2SYL
SWL

RAMP F

PI = 814+46.67
D = 3°49'11.0"
Δ = 9°13'33.7" RT.
R = 1500.00'
L = 241.54'
T = 121.03'
E = 4.87'

MARGARET BUSH
TRUSTEE OF THE NELLIGAN FAMILY TRUST

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00

	BY	DATE
PROJ. MANAGER	R. MOULTON	SEP. 2021
DESIGN-DETAILED	D.PRIDE	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

BREWER TO EDDINGTON
I-395\ROUTE 9 CONNECTOR

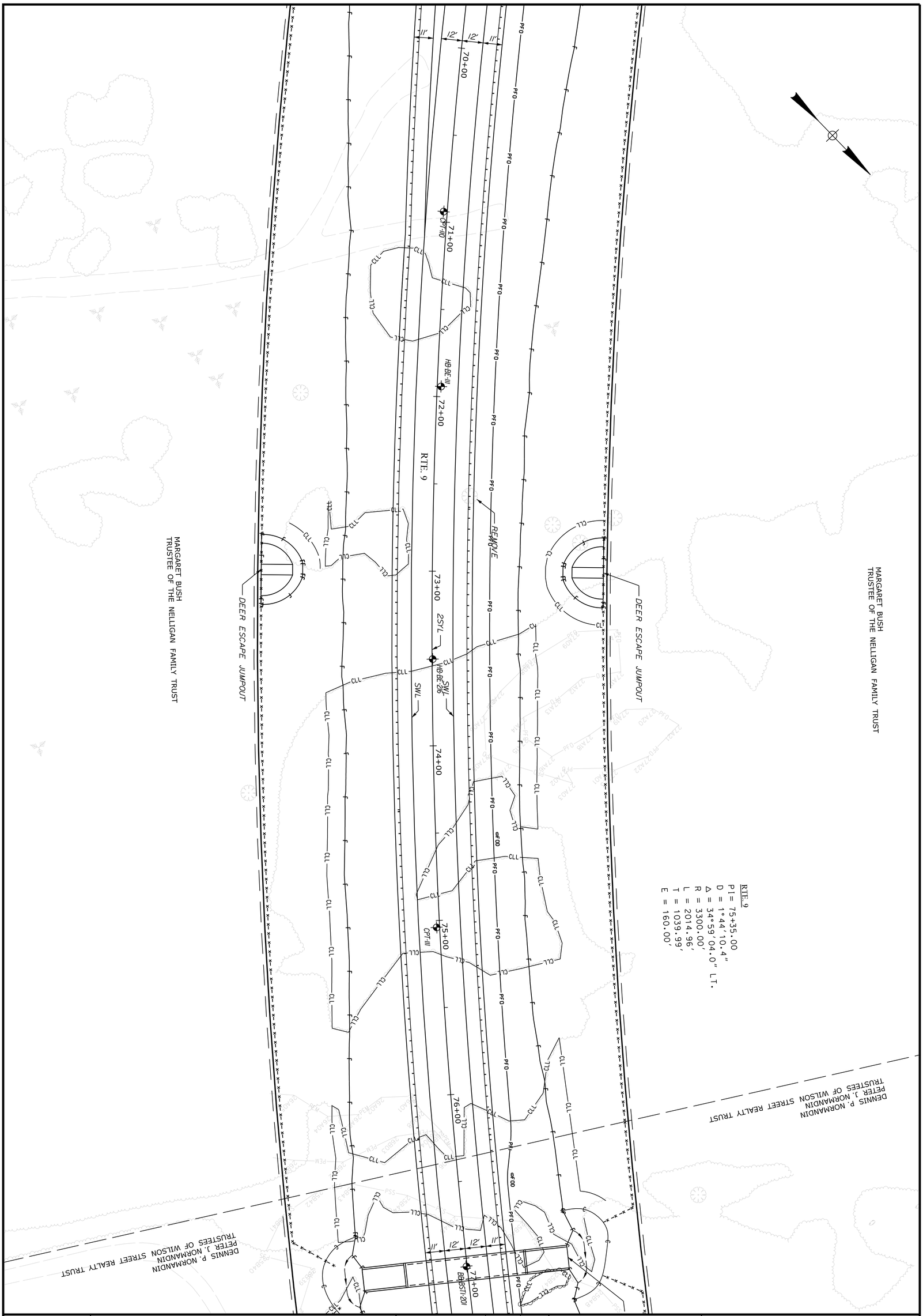
PLANS

SHEET NUMBER

H24

OF 460

Division: HIGHWAY
Username: common
Date:9/27/2021
Filename: ...\H24_HDPlan7.dgn



PROJ. MANAGER	R. MOULTON	BY	DATE	
DESIGN-DETAILED	D.PRIDE		SEP. 2021	
CHECKED-REVIEWED				SIGNATURE
DESIGN2-DETAILED2				
DESIGN3-DETAILED3				P.E. NUMBER
REVISIONS 1				
REVISIONS 2				DATE
REVISIONS 3				
REVISIONS 4				
FIELD CHANGES				

SHEET NUMBER H25 OF 460

BREWER TO EDDINGTON
I-395\ROUTE 9 CONNECTOR

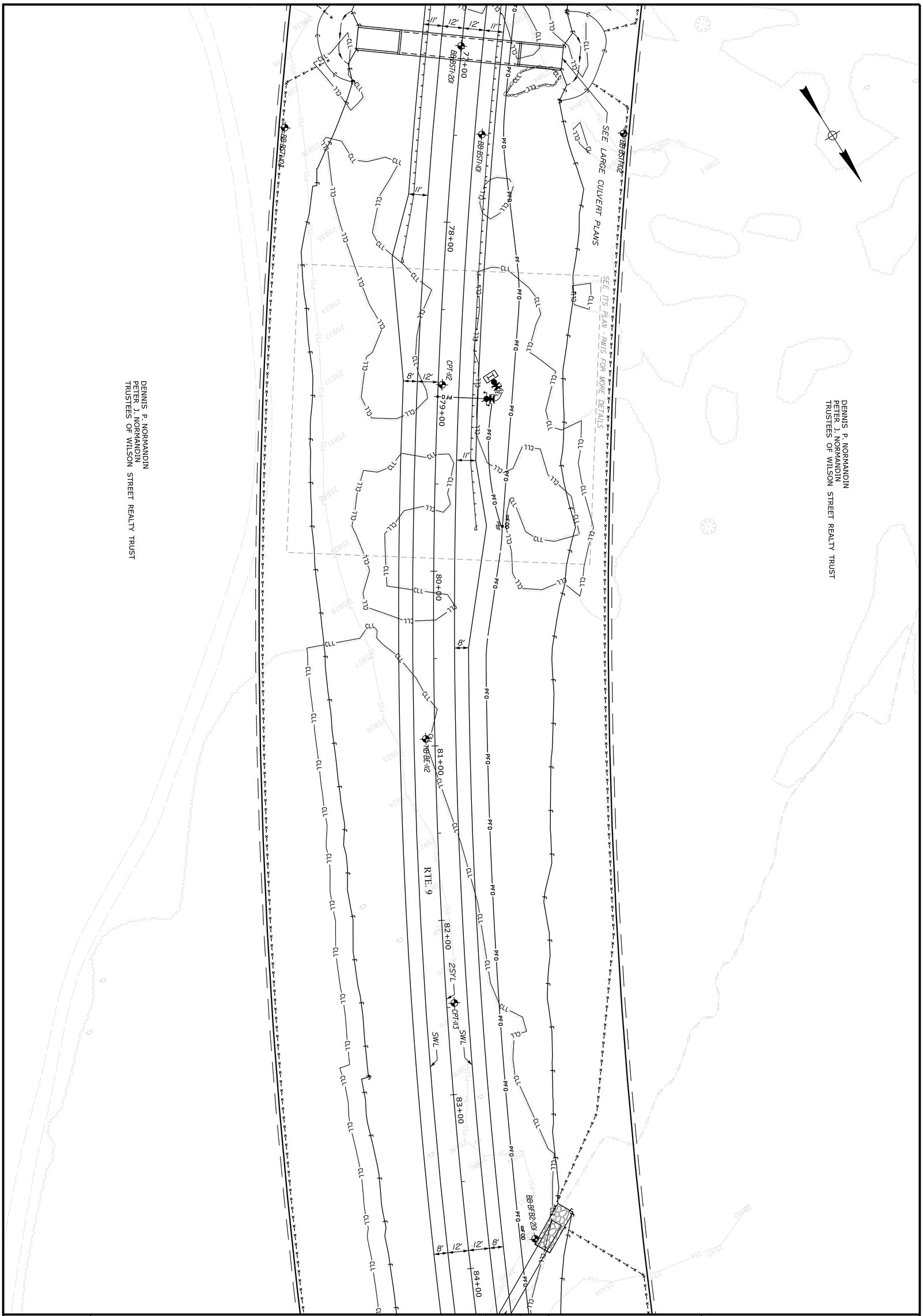
PLANS

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00

Filename: ...\H26_HDPlan9.dgn Division: HIGHWAY Username: common Date:9/27/2021



PROJ. MANAGER	R. MOULTON	BY	DATE	
DESIGN-DETAILED	D.PRIDE		SEP. 2021	
CHECKED-REVIEWED				SIGNATURE
DESIGN2-DETAILED2				
DESIGN3-DETAILED3				P.E. NUMBER
REVISIONS 1				
REVISIONS 2				DATE
REVISIONS 3				
REVISIONS 4				
FIELD CHANGES				

SHEET NUMBER H26 OF 460

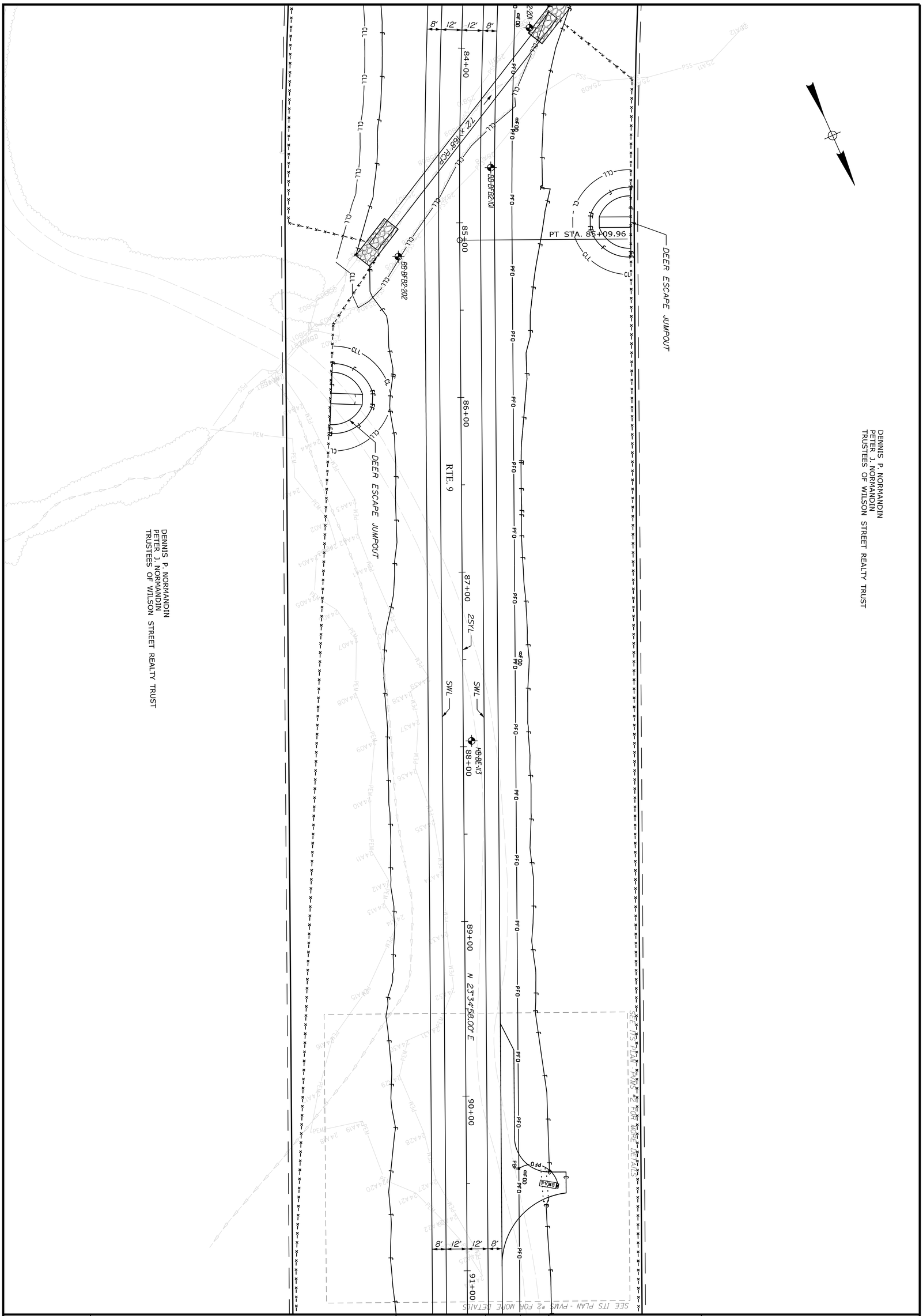
BREWER TO EDDINGTON
I-395\ROUTE 9 CONNECTOR

PLANS

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00



H27

SHEET NUMBER

OF 460

BREWER TO EDDINGTON
I-395\ROUTE 9 CONNECTOR

PLANS

PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	D.PRIDE		SEP. 2021
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

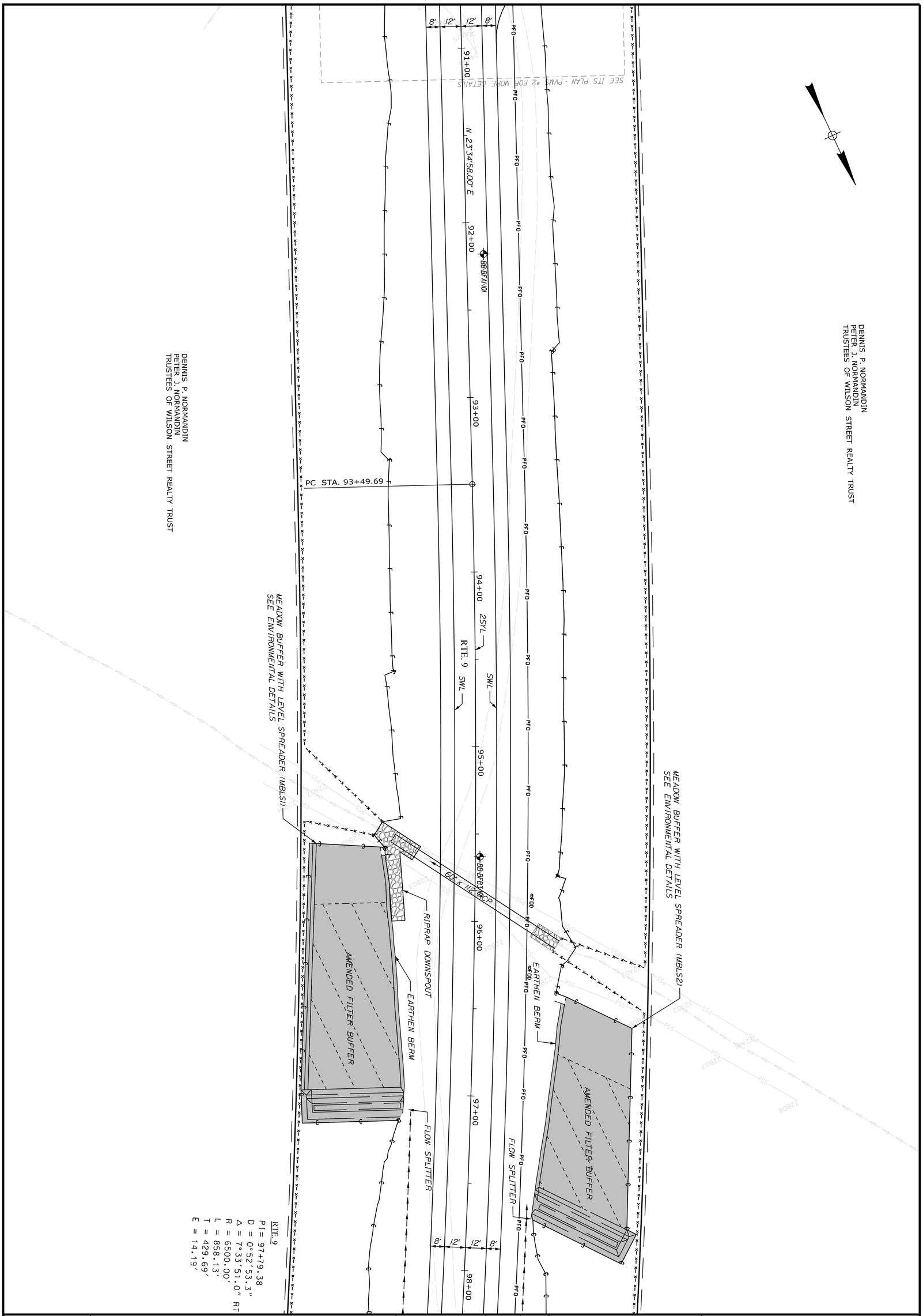
P.E. NUMBER

DATE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00



PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	D.PRIDE		SEP. 2021
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

BREWER TO EDDINGTON
I-395\ROUTE 9 CONNECTOR

PLANS

SHEET NUMBER
H28
OF 460

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00

Filename: ...\H29_HDPlan12.dgn Division: HIGHWAY Username: common Date:9/27/2021

DENNIS P. NORMANDIN
PETER J. NORMANDIN
TRUSTEES OF WILSON STREET REALTY TRUST

REMOVE

REMOVE

REMOVE

REMOVE

PFO

HB-BE-114

98+00

99+00

100+00

2SYL

SWL

101+00

SWL

102+00

HB-BE-115

RTE. 9

103+00

104+00

N 31°08'49.00" E

105+00

HB-BE-116

8'

12'

12'

8'

CLL

PT STA. 102+07.82

RTE. 9
PI = 97+79.38
D = 0°52'53.3"
Δ = 7°33'51.0" RT.
R = 6500.00'
L = 858.13'
T = 429.69'
E = 14.19'

DENNIS P. NORMANDIN
PETER J. NORMANDIN
TRUSTEES OF WILSON STREET REALTY TRUST

ANDREW E. DAVIS

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00

	BY	DATE
PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	D.PRIDE	SEP. 2021
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

BREWER TO EDDINGTON
I-395\ROUTE 9 CONNECTOR

PLANS

SHEET NUMBER

H29

OF 460

Filename: ...\H30_HDPlan13.dgn Division: HIGHWAY Username: common Date:9/27/2021

DENNIS P. NORMANDIN
PETER J. NORMANDIN
TRUSTEES OF WILSON STREET REALTY TRUST

UTILITY EASEMENT
BK. 10457, PAGE 296
DATED 5-31-06

RANDY S. BAKER
DREW SCOTT BAKER

JAMES R. RUHLIN

REMOVE
REMOVE
SEE BRIDGE PLANS
REMOVE
SWL
SWL
SWL
2SYL

BB-BEA-201
BB-BEA-101
BB-BEA-202
BB-BEA-102
BB-BEA-203
BB-BEA-204

EASTERN AVENUE

HB-BE-116
HB-BE-217
HB-BE-218
HB-BE-117
HB-BE-118
HB-BE-119

105+00
106+00
107+00
108+00
109+00
110+00
111+00
112+00

N 31°08'49.00" E

RTE. 9

PC STA. 110+13.33

8'
12'
12'
8'
8'
12'
12'
8'

ANDREW E. DAVIS

1 STORY WOOD FRAME

1 STORY WOOD FRAME

1 STORY WOOD FRAME GARAGE

TIMOTHY E. RUHLIN, PERSONNAL REPRESENTATIVE
OF THE ESTATE OF JAMES R. RUHLIN, JR.
ROBERT E. RUHLIN
CAROLE ANNE RUHLIN
REGINA T. RUHLIN
CHRISTOPHER RUHLIN
JESSICA D. FREY

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00

	BY	DATE
PROJ. MANAGER		
DESIGN-DETAILED	R. MOULTON	SEP. 2021
CHECKED-REVIEWED	D.PRIDE	
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

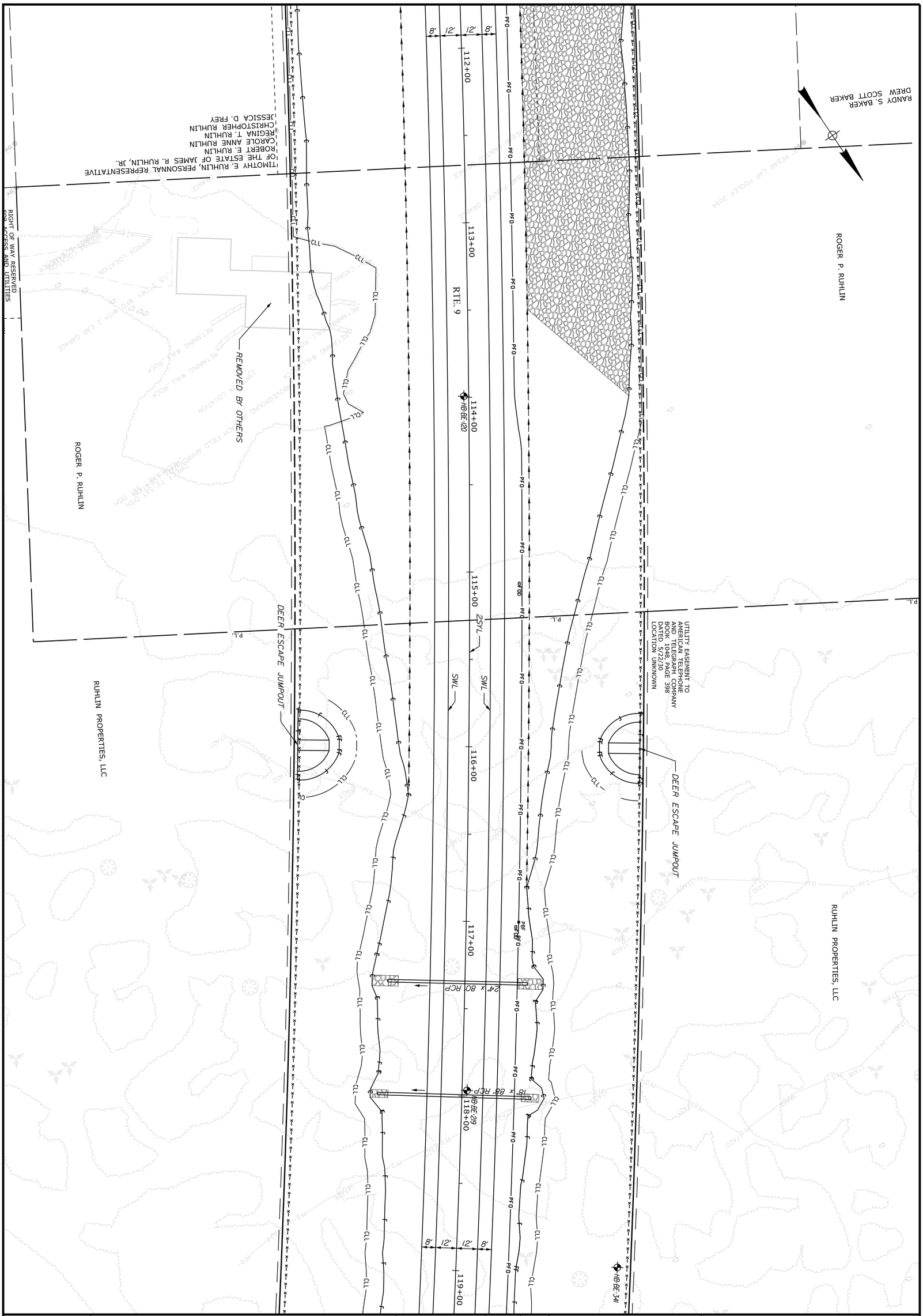
BREWER TO EDDINGTON
I-395\ROUTE 9 CONNECTOR

PLANS

SHEET NUMBER

H30

OF 460



PROJ. MANAGER	R. MOULTON	BY	DATE	
DESIGN-DETAILED	D.PRIDE		SEP. 2021	
CHECKED-REVIEWED				SIGNATURE
DESIGN2-DETAILED2				
DESIGN3-DETAILED3				P.E. NUMBER
REVISIONS 1				
REVISIONS 2				DATE
REVISIONS 3				
REVISIONS 4				
FIELD CHANGES				

SHEET NUMBER
H31
OF 460

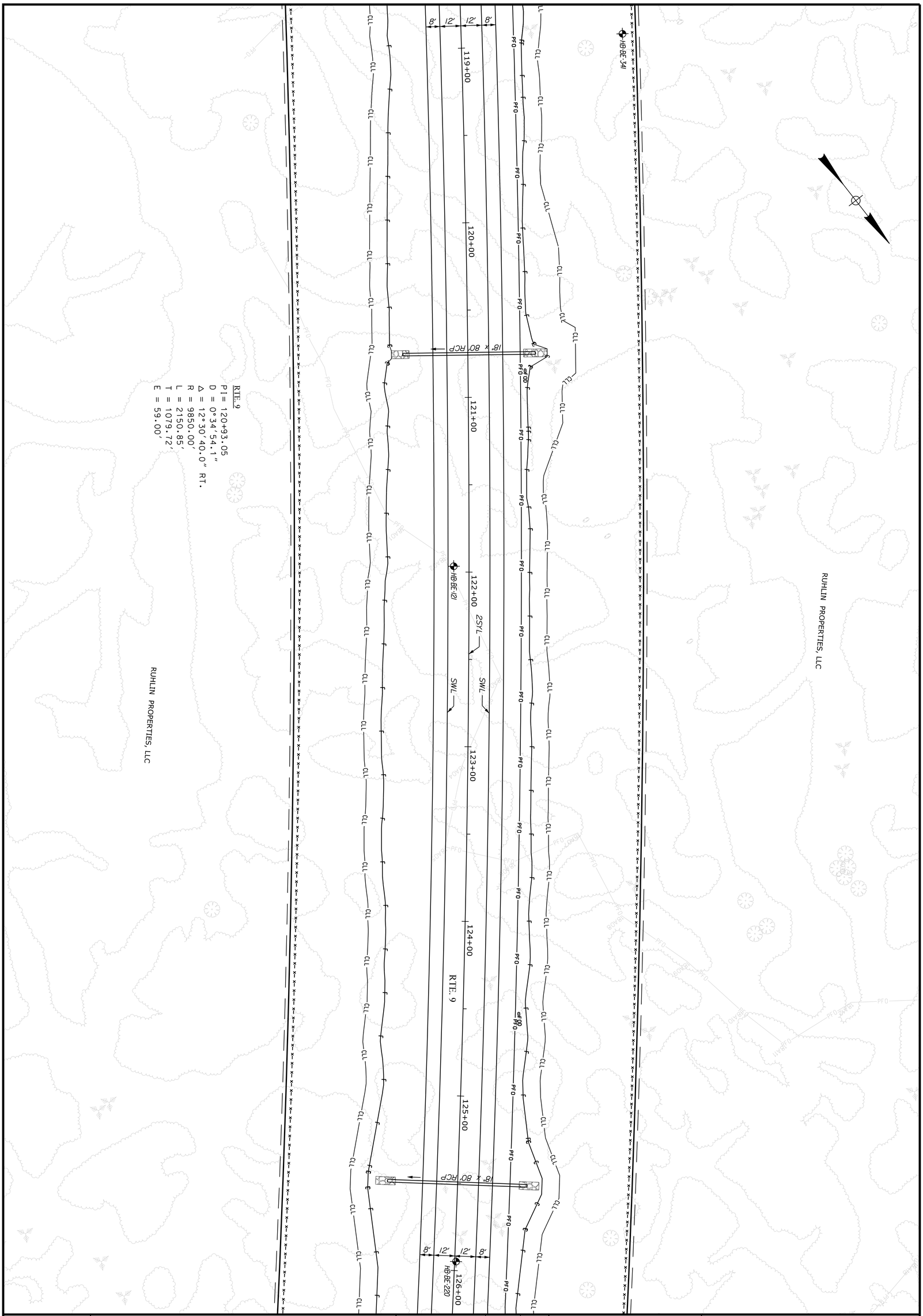
BREWER TO EDDINGTON
I-395\ROUTE 9 CONNECTOR

PLANS

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00



PROJ. MANAGER	R. MOULTON	BY	DATE	
DESIGN-DETAILED	D.PRIDE		SEP. 2021	
CHECKED-REVIEWED				SIGNATURE
DESIGN2-DETAILED2				
DESIGN3-DETAILED3				P.E. NUMBER
REVISIONS 1				
REVISIONS 2				DATE
REVISIONS 3				
REVISIONS 4				
FIELD CHANGES				

SHEET NUMBER H32 OF 460

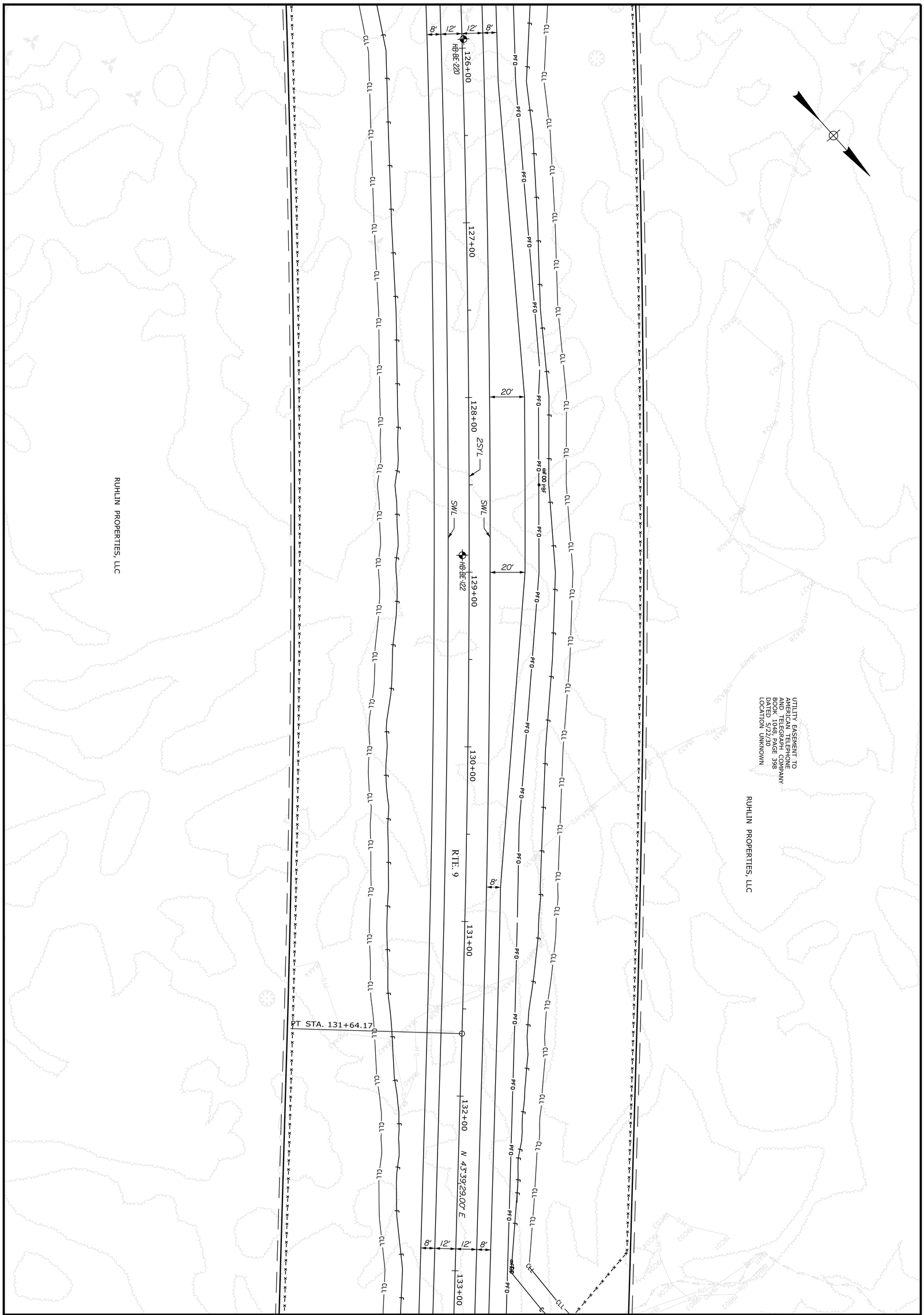
BREWER TO EDDINGTON I-395\ROUTE 9 CONNECTOR

PLANS

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00



SHEET NUMBER H33 OF 460

BREWER TO EDDINGTON
I-395\ROUTE 9 CONNECTOR

PLANS

PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	D.PRIDE		SEP. 2021
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00

RUHLIN PROPERTIES, LLC

MARY ELLEN DARLING
EDWARD DARLING, SR.
TRUSTEES - MARY ELLEN DARLING 2007 REVOCABLE TRUST
EDWARD DARLING, SR.
GLENN GOODWIN
TRUSTEES - EDWARD O. DARLING, SR. REVOCABLE INTER-VIVOS TRUST

DEER ESCAPE JUMPOUT

BB-BEBTI-101

72" x 120' RCP

BB-BEBTI-102

133+00 134+00 135+00 136+00 137+00 138+00 139+00 140+00

N 43°39'29.00" E

2SYL

SWL

RTE. 9

CPT-114

CPT-115

HB-BE-221

18" x 96' HCP

RIPRAP DOWNSPOUT

XX-XX

DEER ESCAPE JUMPOUT

RUHLIN PROPERTIES, LLC

MARY ELLEN DARLING
EDWARD DARLING, SR.
TRUSTEES - MARY ELLEN DARLING 2007 REVOCABLE TRUST
EDWARD DARLING, SR.
GLENN GOODWIN
TRUSTEES - EDWARD O. DARLING, SR. REVOCABLE INTER-VIVOS TRUST

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00

	DATE	SIGNATURE
R. MOULTON	SEP. 2021	
PROJ. MANAGER		P.E. NUMBER
DESIGN-DETAILED	D.PRIDE	
CHECKED-REVIEWED		DATE
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

BREWER TO EDDINGTON
I-395\ROUTE 9 CONNECTOR

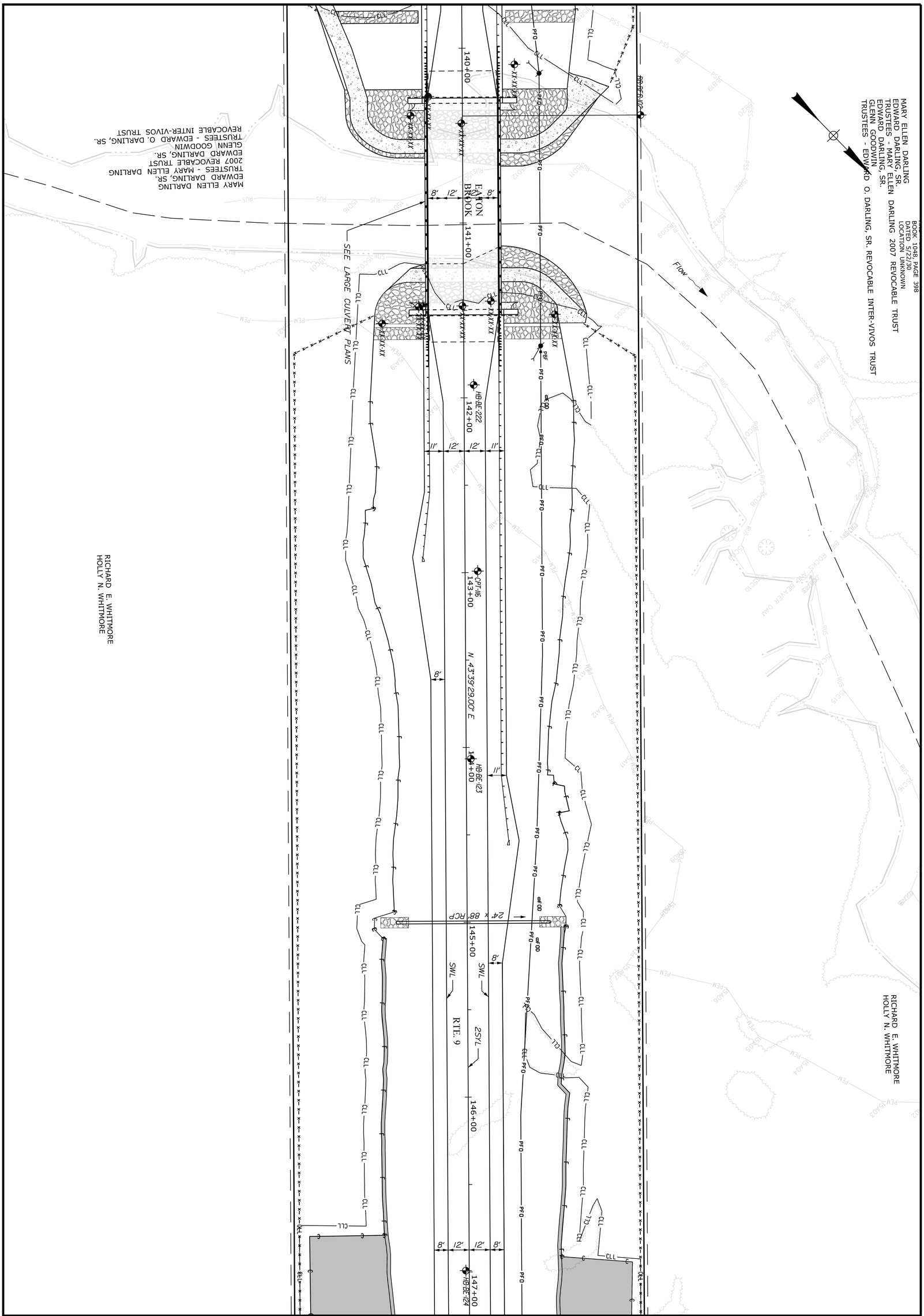
PLANS

SHEET NUMBER

H34

OF 460

Filename: ...\H34_HDPlan17.dgn Division: HIGHWAY Username: common Date:9/27/2021



PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	D.PRIDE		SEP. 2021
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

BREWER TO EDDINGTON
I-395\ROUTE 9 CONNECTOR

PLANS

SHEET NUMBER H35 OF 460

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00

RICHARD E. WHITMORE
HOLLY N. WHITMORE

UTILITY EASEMENT
AMERICAN TELEPH
AND TELEGRAPH
BOOK 1048, PAGE
DATED 5/22/30
LOCATION UNKNO

FORESTED BUFFER WITH LEVEL SPREADER (FBLS1)
SEE ENVIRONMENTAL DETAILS

AMENDED FILTER BUFFER

FLOW SPLITTER
SEE ENVIRONMENTAL DETAILS

FORESTED BUFFER WITH LEVEL SPREADER (FBLS3)
SEE ENVIRONMENTAL DETAILS

AMENDED FILTER BUFFER

FLOW SPLITTER
SEE ENVIRONMENTAL DETAILS

147+00 HB-BE-124
148+00
N 43°39'29.00" E
149+00
150+00
2SYL
SWL
151+00 HB-BE-125
152+00
153+00
154+00

FLOW SPLITTER
SEE ENVIRONMENTAL DETAILS

RTE. 9

SWL

AMENDED FILTER BUFFER

FORESTED BUFFER WITH LEVEL SPREADER (FBLS2)
SEE ENVIRONMENTAL DETAILS

RICHARD E. WHITMORE
HOLLY N. WHITMORE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00

		SIGNATURE	
		P.E. NUMBER	
		DATE	

			DATE	BY
PROJ. MANAGER	R. MOULTON	REVISIONS 1		
DESIGN-DETAILED	D.PRIDE	REVISIONS 2		
CHECKED-REVIEWED		REVISIONS 3		
DESIGN2-DETAILED2		REVISIONS 4		
DESIGN3-DETAILED3		FIELD CHANGES		

BREWER TO EDDINGTON
I-395\ROUTE 9 CONNECTOR

PLANS

SHEET NUMBER

H36

OF 460

Filename: ...\H36_HDPlan19.dgn Division: HIGHWAY Username: common Date:9/27/2021

RICHARD E. WHITMORE
HOLLY N. WHITMORE

UTILITY EASEMENT TO
AMERICAN TELEPHONE
AND TELEGRAPH COMPANY
BOOK 1048, PAGE 398
DATED 5/22/30
LOCATION UNKNOWN

DEER ESCAPE JUMPOUT

8'
12'
12'
20'
8'

154+00 155+00 156+00 157+00 158+00 159+00 160+00 161+00

HB-BE-126

N 43°39'29.00" E

2SYL

SWL

SWL

RTE. 9

HB-BE-127

8'
12'
12'
8'

DEER ESCAPE JUMPOUT

RICHARD E. WHITMORE
HOLLY N. WHITMORE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00

	BY	DATE
PROJ. MANAGER	R. MOULTON	SEP. 2021
DESIGN-DETAILED	D.PRIDE	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

BREWER TO EDDINGTON
I-395\ROUTE 9 CONNECTOR

PLANS

SHEET NUMBER

H37

OF 460

Filename: ...\H37_HDPlan20.dgn Division: HIGHWAY Username: common Date:9/27/2021

RICHARD E. WHITMORE
HOLLY N. WHITMORE

DAVID K. BURGASON
TRACY T. BURGASON

RTE. 9

N 43°39'29.00" E

161+00 162+00 163+00 164+00 165+00 166+00 167+00 168+00

HB-BE-128 HB-BE-223A HB-BE-223 HB-BE-129

CPT-118 CPT-119

2SYL SWL SWL

36" x 144' RCP 36" x 152' RCP

8' 12' 8' 12' 8' 12' 8'

CLL PFO FOD FODPBF

RICHARD E. WHITMORE
HOLLY N. WHITMORE

DAVID K. BURGASON
TRACY T. BURGASON

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00

	DATE	BY
PROJ. MANAGER		R. MOULTON
DESIGN-DETAILED	SEP. 2021	D.PRIDE
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

BREWER TO EDDINGTON
I-395\ROUTE 9 CONNECTOR

PLANS

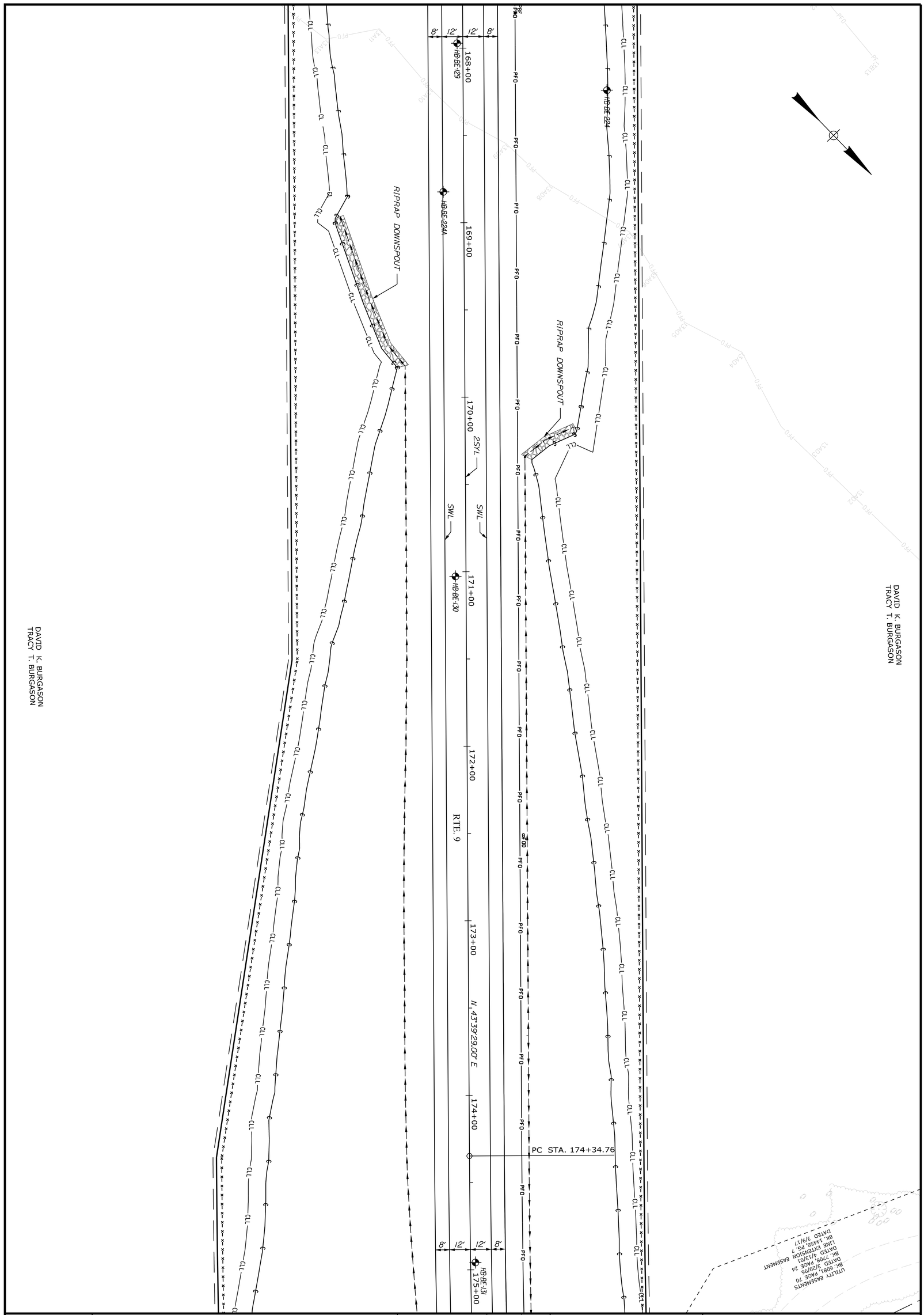
SHEET NUMBER

H38

OF 460

Filename: ...\H38_HDPlan21.dgn Division: HIGHWAY Username: common Date:9/27/2021

Filename: ...\H39_HDPlan22.dgn Division: HIGHWAY Username: common Date:9/27/2021



PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	D.PRIDE		SEP. 2021
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

BREWER TO EDDINGTON
I-395\ROUTE 9 CONNECTOR

PLANS

SHEET NUMBER H39 OF 460

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

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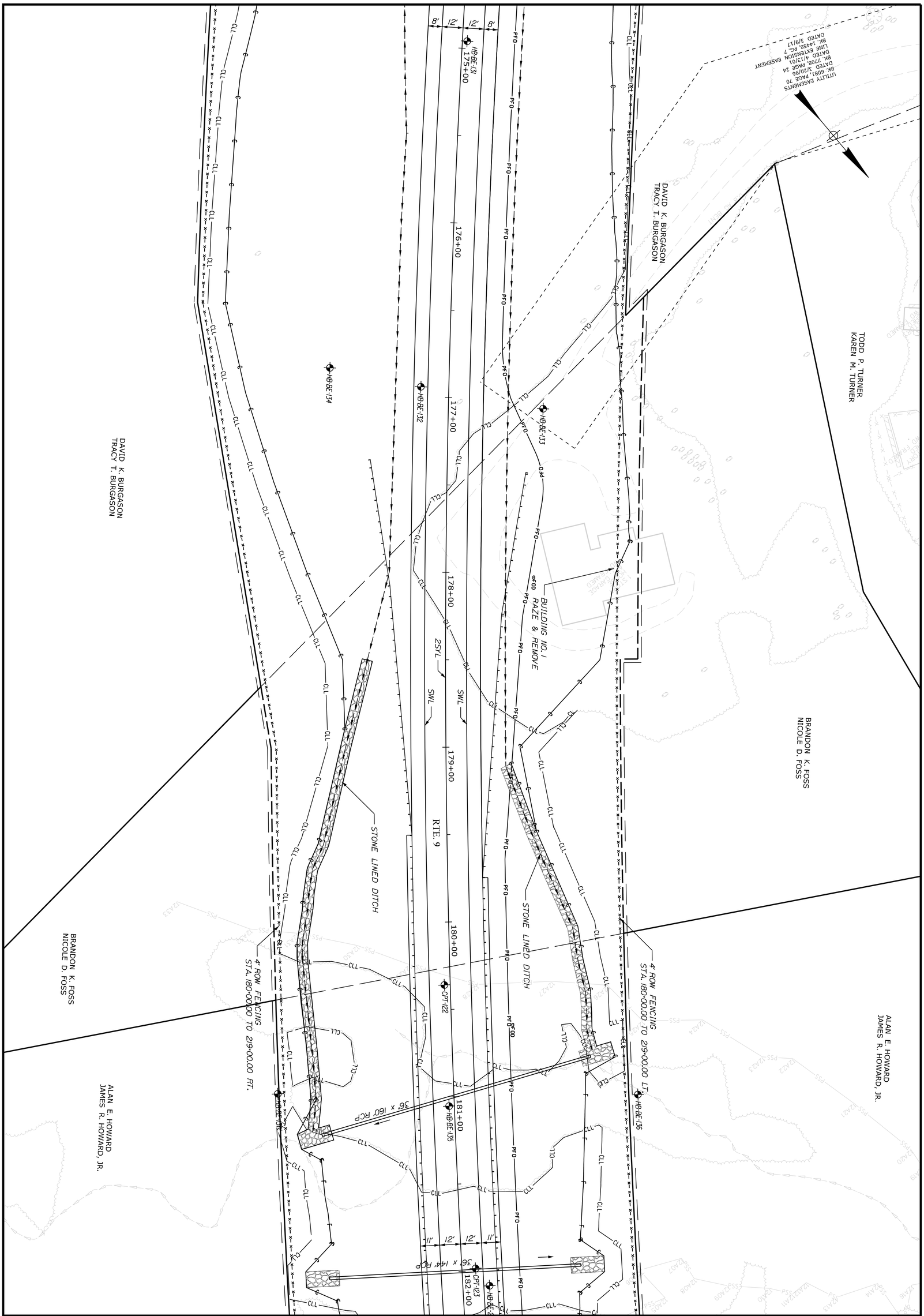
018915.00



SHEET NUMBER H40 OF 460	BREWER TO EDDINGTON I-395\ROUTE 9 CONNECTOR	PROJ. MANAGER: R. MOULTON	STATE OF MAINE DEPARTMENT OF TRANSPORTATION
	PLANS	DESIGN-DETAILED: D.PRIDE — SEP. 2021	1891500
		CHECKED-REVIEWED	SIGNATURE
		DESIGN2-DETAILED2	P.E. NUMBER
		DESIGN3-DETAILED3	DATE
		REVISIONS 1	WIN 018915.00
		REVISIONS 2	
		REVISIONS 3	
		REVISIONS 4	
		FIELD CHANGES	
		BY / DATE	

ALAN E. HOWARD
JAMES R. HOWARD, JR.

RTE. 9
PI= 184+68.62
D = 0°52'53.3"
Δ = 18°04'30.0" LT.
R = 6500.00'
L = 2050.54'
T = 1033.86'
E = 81.71'

HB-BE-140
HB-BE-226
HB-BE-225
CPT-123
182+00
183+00
CPT-124
184+00
185+00
HB-BE-138
186+00
CPT-125
187+00
188+00
189+00
HB-BE-139
HB-BE-227
HB-BE-228
PFO
PBF
2SYL
SWL
CLL
TLO
11'
12'
8'
36" x 14# RCP

RTE. 9

ALAN E. HOWARD
JAMES R. HOWARD, JR.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00

	BY	DATE
PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	D.PRIDE	SEP. 2021
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

BREWER TO EDDINGTON
I-395\ROUTE 9 CONNECTOR

PLANS

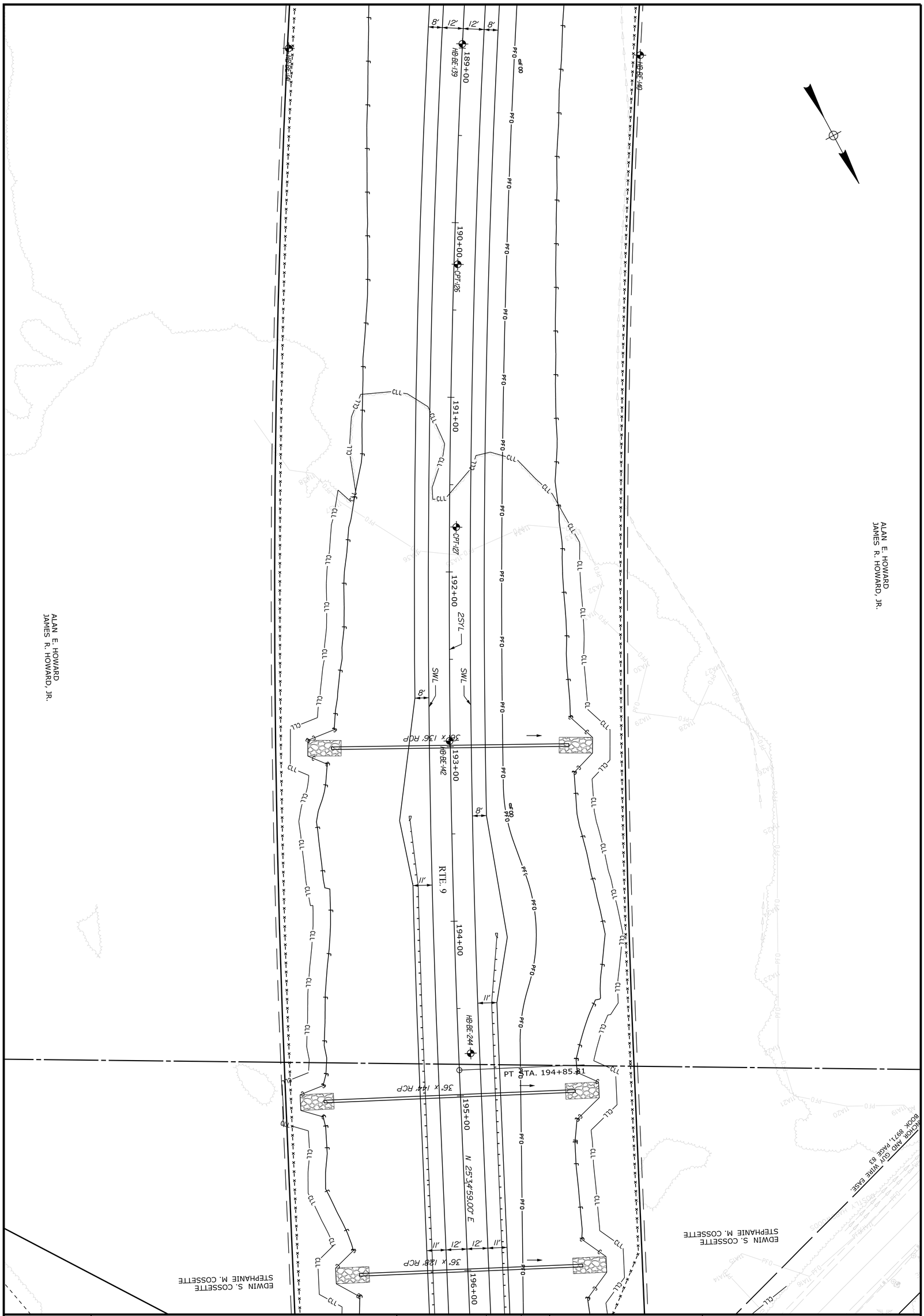
SHEET NUMBER

H41

OF 460

Usename: common
Date:9/27/2021
Division: HIGHWAY
Filename: ...\H41_HDPlan24.dgn

Filename: ...\H42_HDPlan25.dgn Division: HIGHWAY Username: common Date:9/27/2021



SHEET NUMBER H42 OF 460

BREWER TO EDDINGTON
I-395\ROUTE 9 CONNECTOR

PLANS

PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	D.PRIDE		SEP. 2021
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

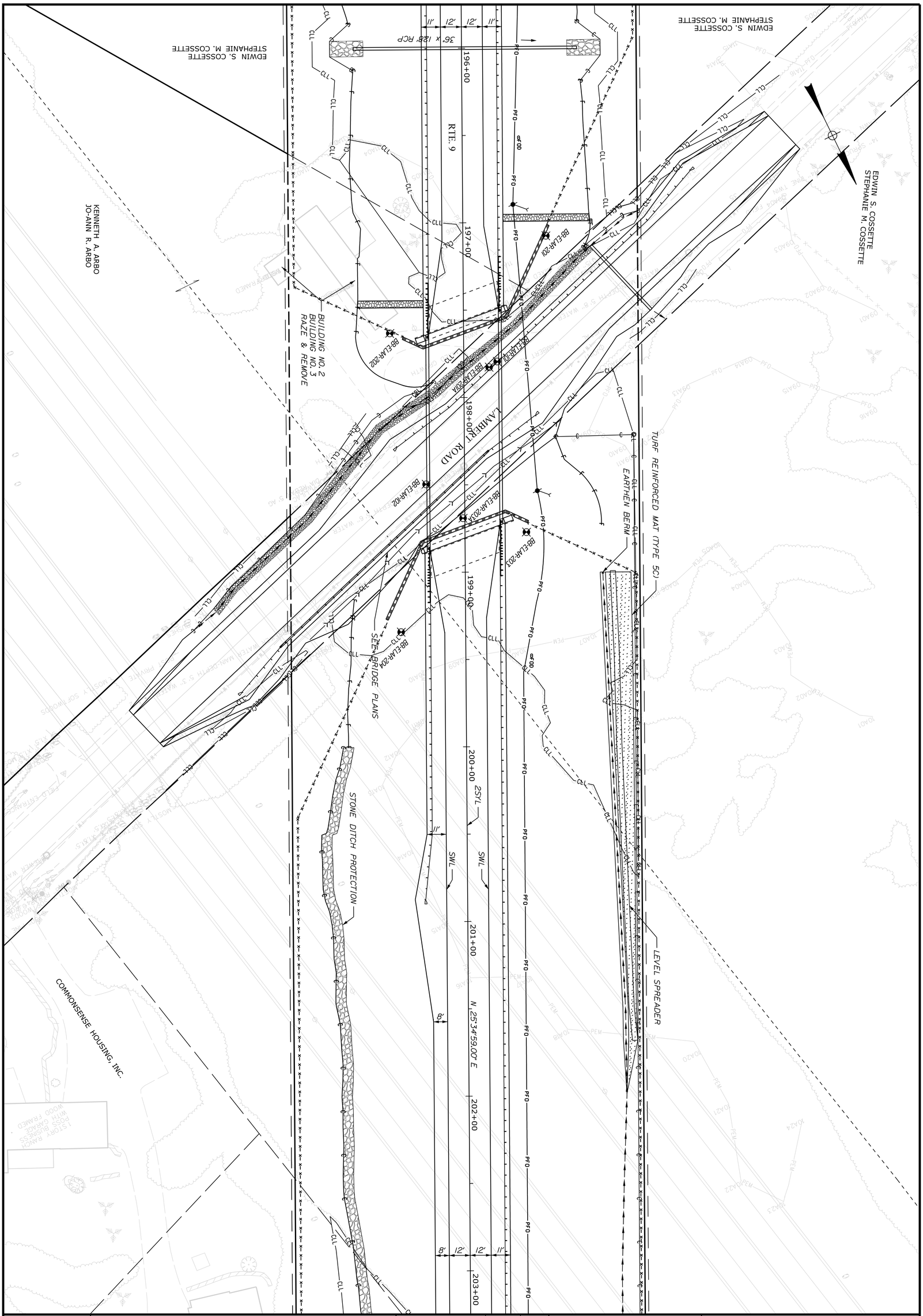
P.E. NUMBER

DATE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00



SHEET NUMBER H43 OF 460

BREWER TO EDDINGTON
I-395\ROUTE 9 CONNECTOR

PLANS

		BY	DATE
PROJ. MANAGER	R. MOULTON		
DESIGN-DETAILED	D.PRIDE		SEP. 2021
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00

KENNETH J. HARVEY
JO ANNE T. HARVEY

LINWOOD E. LORD

CB#4

UNDERDRAIN SOIL FILTER #2 (USF2)

STONE DITCH PROTECTION

TURF REINFORCED MAT (TYPE 5B)

30" x 116' OPT. III

HB-BE-229

HB-BE-144

HB-BE-143

HB-BE-228

2SYL

SWL

RTE. 9

203+00 N 25°34'59.00" E 204+00 205+00 206+00 207+00 208+00 209+00 210+00

30" x 116' RCP

PC STA. 205+76.88

UNDERDRAIN SOIL FILTER #1B (USFIB)

REMOVE

UNDERDRAIN SOIL FILTER #1A (USFIA) REMOVE

2 STORY GAMBREL HOUSE WOOD FRAMED

1 STORY SFD WD FRAMED

LINWOOD E. LORD

COMMONSENSE HOUSING, INC.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00

	BY	DATE
SIGNATURE		
P.E. NUMBER		
DATE		

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

BREWER TO EDDINGTON
I-395\ROUTE 9 CONNECTOR

PLANS

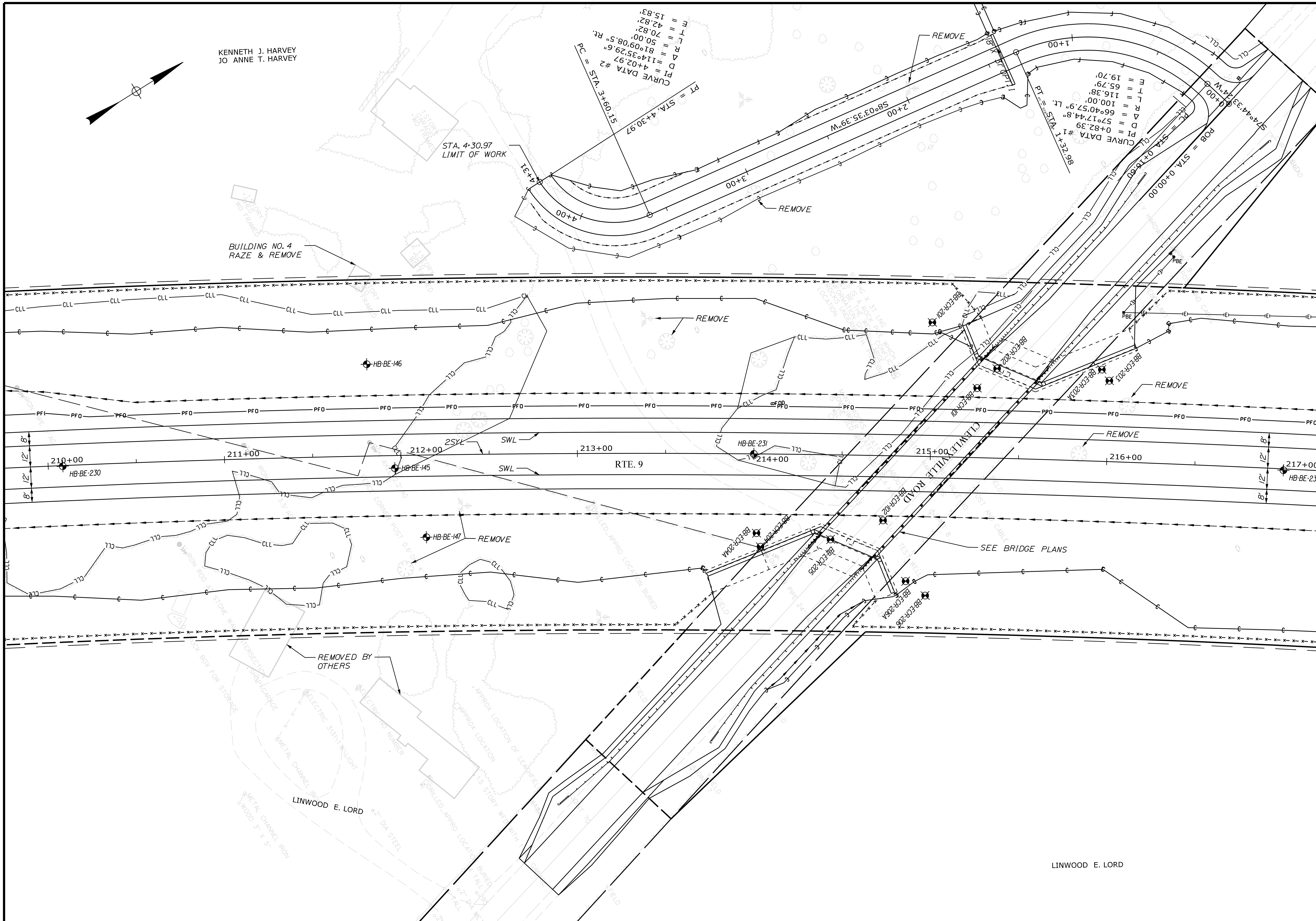
SHEET NUMBER

H44

OF 460

Date:9/27/2021
Username: common
Division: HIGHWAY
Filename: ...\H44_HDPlan27.dgn

Date:9/27/2021 Username: common Division: HIGHWAY Filename: ...\H45_HDPlan28.dgn



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00

	BY	DATE
PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	D.PRIDE	SEP. 2021
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

BREWER TO EDDINGTON
I-395\ROUTE 9 CONNECTOR

PLANS

SHEET NUMBER

H45

OF 460

THOMAS A. PROULX
VICKI COX-PROULX

RICHARD E. BRYANT, II

MICHAEL WADE

RONALD JOHN CHRZAN
CHRIS-ANNE BROWN

BRIAN R. CURRIER
DONNA JOYCE
GILDART-CURRIER

SEE ITS PLAN - WIM FOR MORE DETAILS

217+00
HB-BE-232
RTE. 9
218+00
219+00
HB-BE-148
220+00
221+00
222+00
HB-BE-149
223+00
224+00

2SYL
SWL
SWL

REMOVE

18" x 24' OPT. 1

WEIGH-IN-MOTION
ENTRANCE

LINWOOD E. LORD

BRIAN R. CURRIER

RTE. 9
PI= 221+61.76
D = 0°44'56.3"
Δ = 24°50'30.0" RT.
R = 7650.00'
L = 3316.80'
T = 1684.88'
E = 183.35'

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00

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

SIGNATURE

P.E. NUMBER

DATE

DATE: SEP. 2021

BREWER TO EDDINGTON
I-395\ROUTE 9 CONNECTOR

PLANS

SHEET NUMBER

H46

OF 460

Filename: ...\H46_HDPlan29.dgn Division: HIGHWAY Username: common Date:9/27/2021

RONALD JOHN CHRZAN
CHRIS-ANNE BROWN

BRIAN R. CURRIER

JOSEPH P. BEAULIEU
SARAH M. C. BEAULIEU

BENJAMIN J. BIRCH, JR.
BONNIE L. BIRCH

TROY T. STUBBS

BRIAN R. CURRIER
DONNA JOYCE
GILDART-CURRIER

PRIVATE LINE AGREEMENT
BK 13759, PAGE 133
DATED 7-15-2014

REMOVE

224+00

225+00

226+00

2SYL

SWL

227+00

228+00

229+00

230+00

HB-BE-150

231+00

RTE. 9

BUILDING NO. 5
RAZE & REMOVE

REMOVE

TROY T. STUBBS

JOSEPH P. BEAULIEU
SARAH M. C. BEAULIEU

BRIAN R. CURRIER

EDDINGTON TOWN LINE
HOLDEN TOWN LINE

JAVIER G. SALINAS
ETHEL S. SALINAS
JAVIER A. SALINAS

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00

	BY	DATE
PROJ. MANAGER	R. MOULTON	SEP. 2021
DESIGN-DETAILED	D.PRIDE	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

BREWER TO EDDINGTON
I-395\ROUTE 9 CONNECTOR

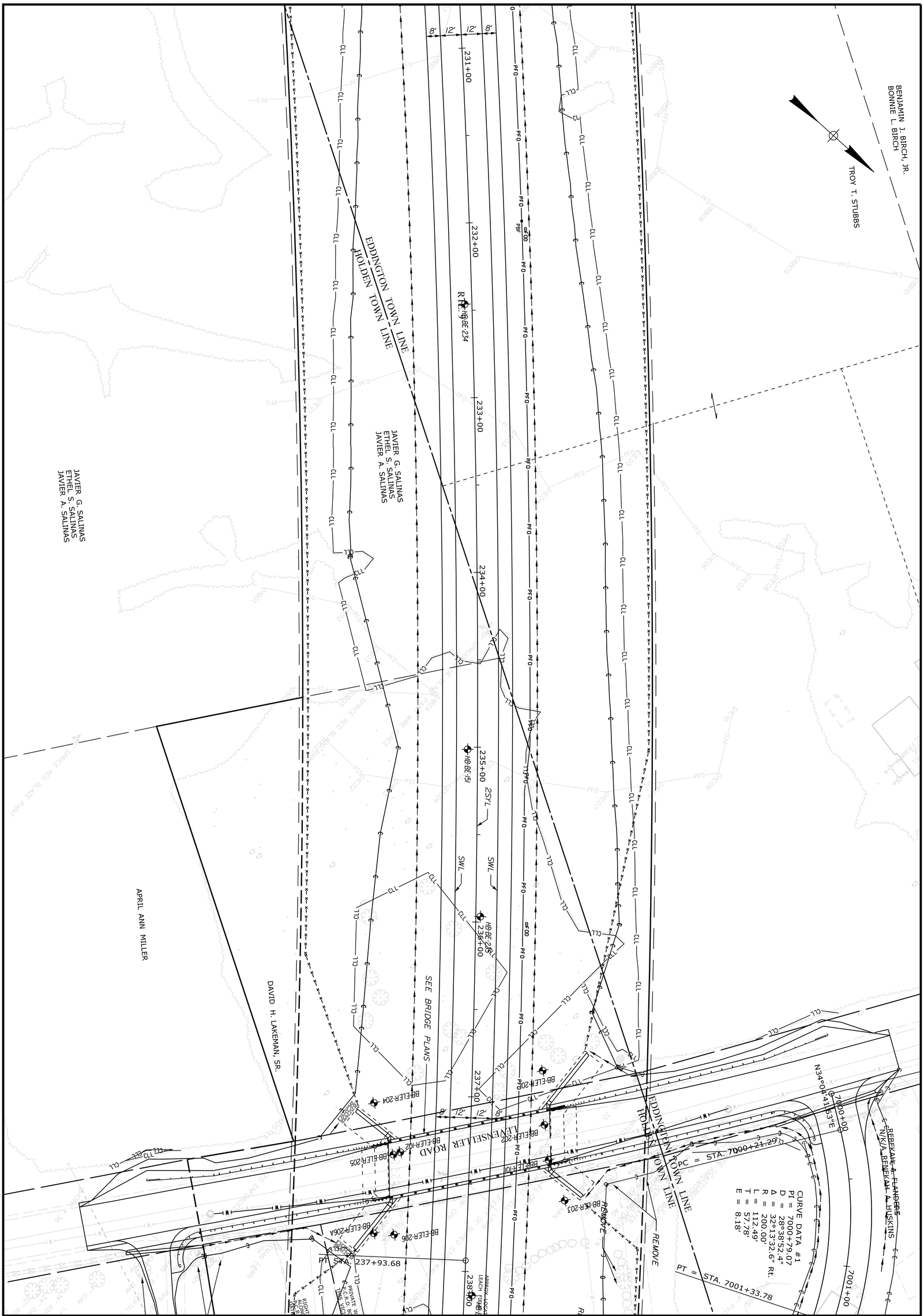
PLANS

SHEET NUMBER

H47

OF 460

Filename: ...\H47_HDPlan30.dgn Division: HIGHWAY Username: common Date:9/27/2021



PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	D.PRIDE		SEP. 2021
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

BREWER TO EDDINGTON I-395\ROUTE 9 CONNECTOR

PLANS

SHEET NUMBER H48 OF 460

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN 018915.00

R = 250.00'
L = 114.98'
T = 58.52'
E = 6.76'

THOMAS S. M. FRENCH

RIGHT OF WAY TO OTHERS ALONG LAKEMAN LANE P.C.R.D. BOOK 8138, PAGE 40 DATED 3-22-02

DAVID H. LAKEMAN, SR.

LAKEMAN & SONS, INC.

REMOVED BY OTHERS

REBEKAH A. FLANDERS
N/K/A RENEKAH A. HUSKINS

HAYNES TIMBERLAND, INC.

15' RIGHT OF WAY
P.C.R.D.
BOOK 6347, PAGE 80
DATED March 17, 1997

7001+00

N66°18'14.18"E

7002+00

LAKEMAN LANE

7003+00

7003+49

N38°57'11.79"E

LIMIT OF WORK
STA. 7003+49.02

THOMAS C. MARTIN
JUDITH A. JOSIAH-MARTIN

PT = STA. 7001+33.78

REMOVE

REMOVED BY OTHERS

REMOVE

REMOVE

CLL

PFO

HB-BE-237

HB-BE-152

HB-BE-153

APPROX. LOCATION LEACH FIELD

HB-BE-236

238+00

239+00

240+00

241+00

242+00

243+00

N 50°25'29.00" E

244+00

245+00

2SYL

SWL

RTE. 9

12"

8"

BBELER-206

BBELER-206A

PT = STA. 237+93.68

PRIVATE WATER & UTILITY EASE. P.C.R.D. BOOK 6347, PAGE 80 THIS VICINITY

RIGHT OF WAY TO OTHERS ALONG LAKEMAN LANE P.C.R.D. BOOK 8138, PAGE 40 DATED 3-22-02

REMOVE

REMOVE

REMOVE

BUILDING NO. 6
RAZE & REMOVE

HAYNES TIMBERLAND, INC.

EASEMENT TO BANGOR HYDRO-ELECTRIC COMPANY P.C.R.D. BOOK 5860, PAGE 182 ALONG THIS LINE

REMOVE

REMOVE

2 STORY GABLE WD FRAMED GAMBREL STYLE

1.5 STORY HOUSE WD FRAMED

STORY METAL FRAMED GREENHOUSE

DAVID H. LAKEMAN, SR.

HAYNES TIMBERLAND, INC.

RICHARD HATCH
JULIE HATCH

LAKEMAN & SONS, INC.

24" OAK
14" ASH TRIPLE
24" OAK TRIPLE
12" ASH
LAWN
WATER

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00

SIGNATURE

P.E. NUMBER

DATE

	BY	DATE
PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	D.PRIDE	SEP. 2021
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

BREWER TO EDDINGTON
I-395\ROUTE 9 CONNECTOR

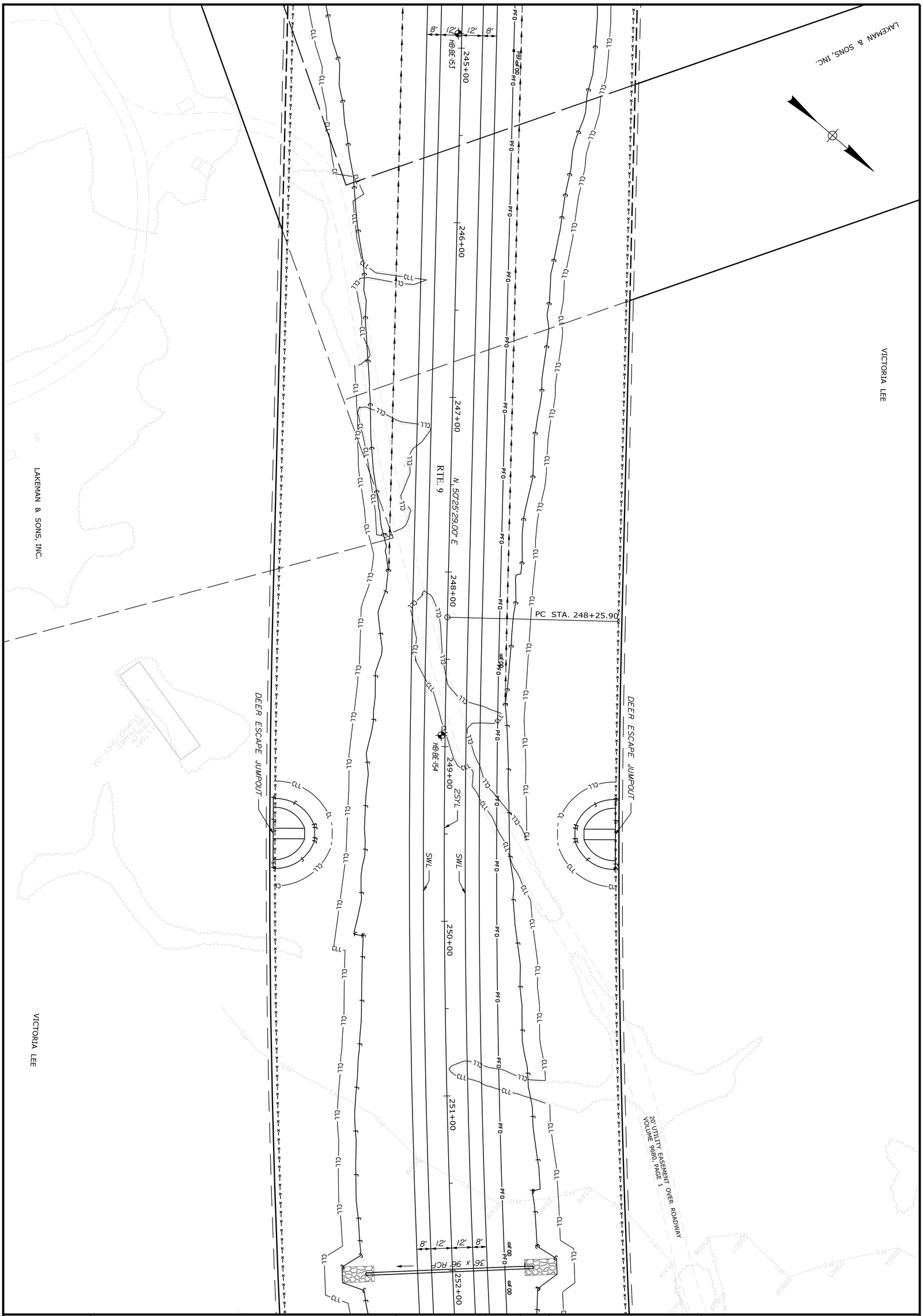
PLANS

SHEET NUMBER

H49

OF 460

Date:9/27/2021
Username: common
Division: HIGHWAY
Filename: ...\H49_HDPlan32.dgn



PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	D.PRIDE		SEP. 2021
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

DATE

SHEET NUMBER H50 OF 460

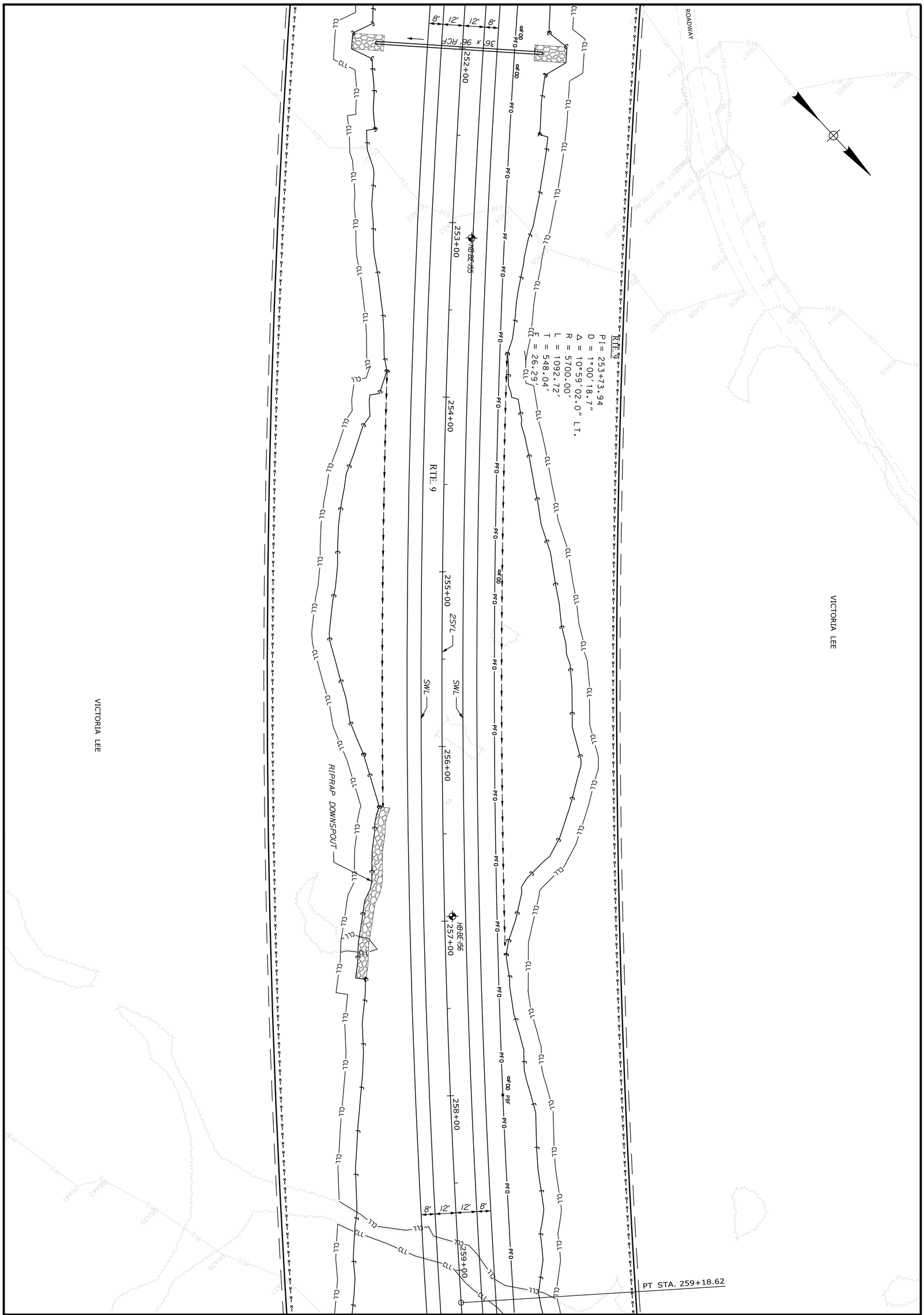
BREWER TO EDDINGTON I-395\ROUTE 9 CONNECTOR

PLANS

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00



SHEET NUMBER H51 OF 460

BREWER TO EDDINGTON
I-395\ROUTE 9 CONNECTOR

PLANS

PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	D.PRIDE		SEP. 2021
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

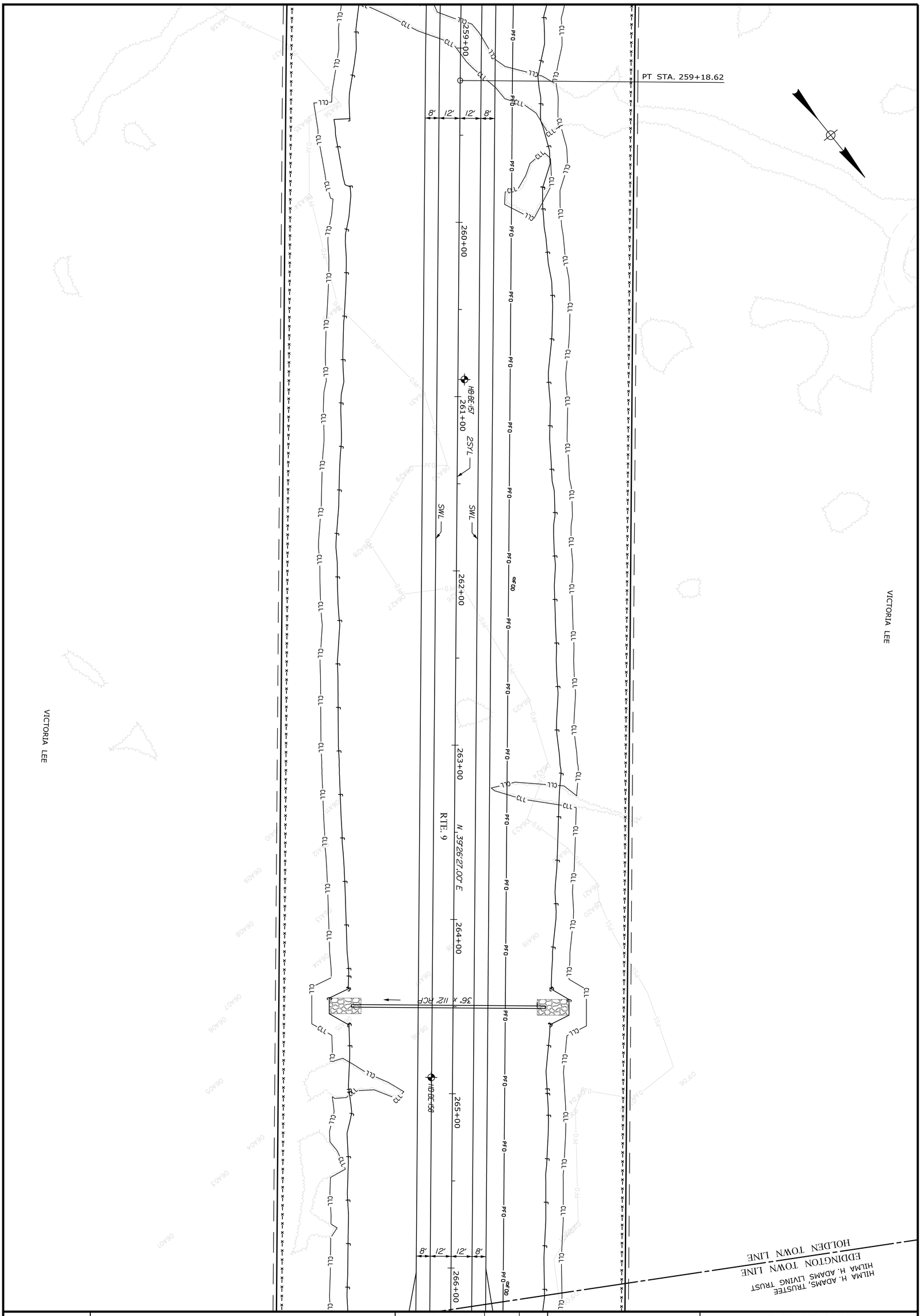
P.E. NUMBER

DATE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00



PROJ. MANAGER	R. MOULTON	BY	DATE	
DESIGN-DETAILED	D.PRIDE		SEP. 2021	
CHECKED-REVIEWED				SIGNATURE
DESIGN2-DETAILED2				
DESIGN3-DETAILED3				P.E. NUMBER
REVISIONS 1				
REVISIONS 2				DATE
REVISIONS 3				
REVISIONS 4				
FIELD CHANGES				

BREWER TO EDDINGTON
I-395\ROUTE 9 CONNECTOR

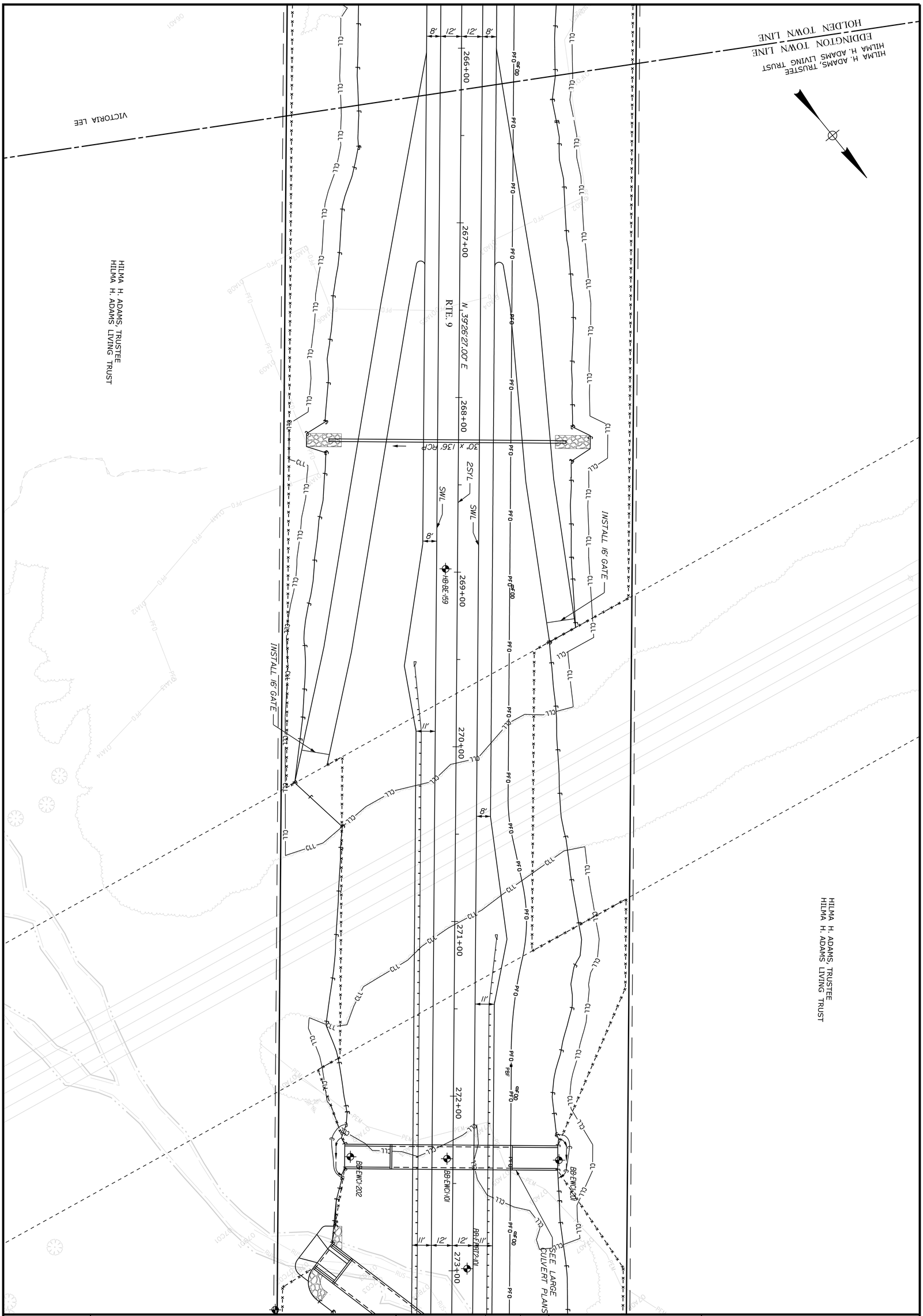
PLANS

SHEET NUMBER H52 OF 460

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00



SHEET NUMBER H53 OF 460

BREWER TO EDDINGTON I-395\ROUTE 9 CONNECTOR

PLANS

PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	D.PRIDE		SEP. 2021
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

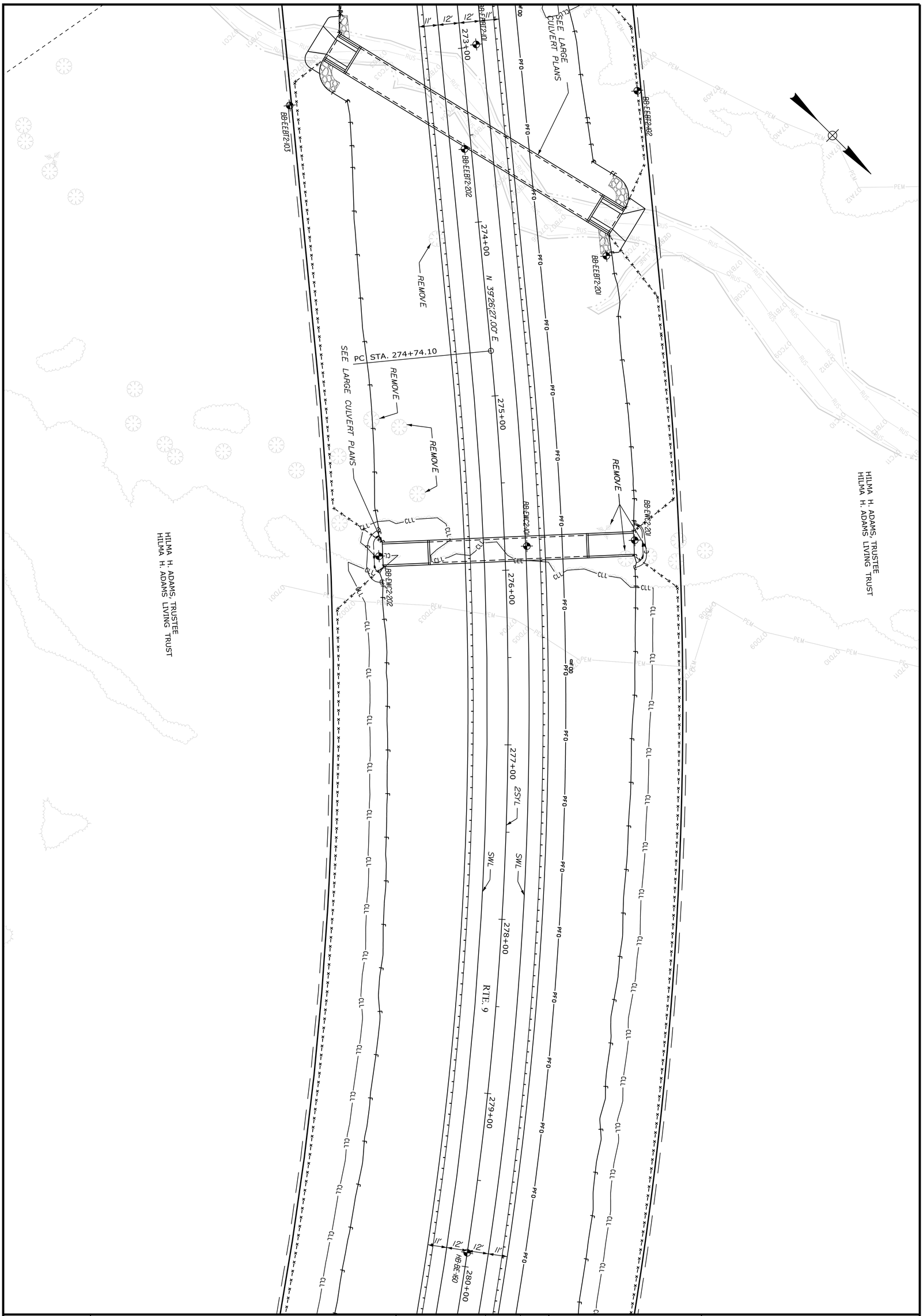
DATE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN 018915.00

Filename: ...\H54_HDPlan37.dgn Division: HIGHWAY Username: common Date:9/27/2021



SHEET NUMBER H54 OF 460

BREWER TO EDDINGTON
I-395\ROUTE 9 CONNECTOR

PLANS

PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	D.PRIDE		SEP. 2021
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

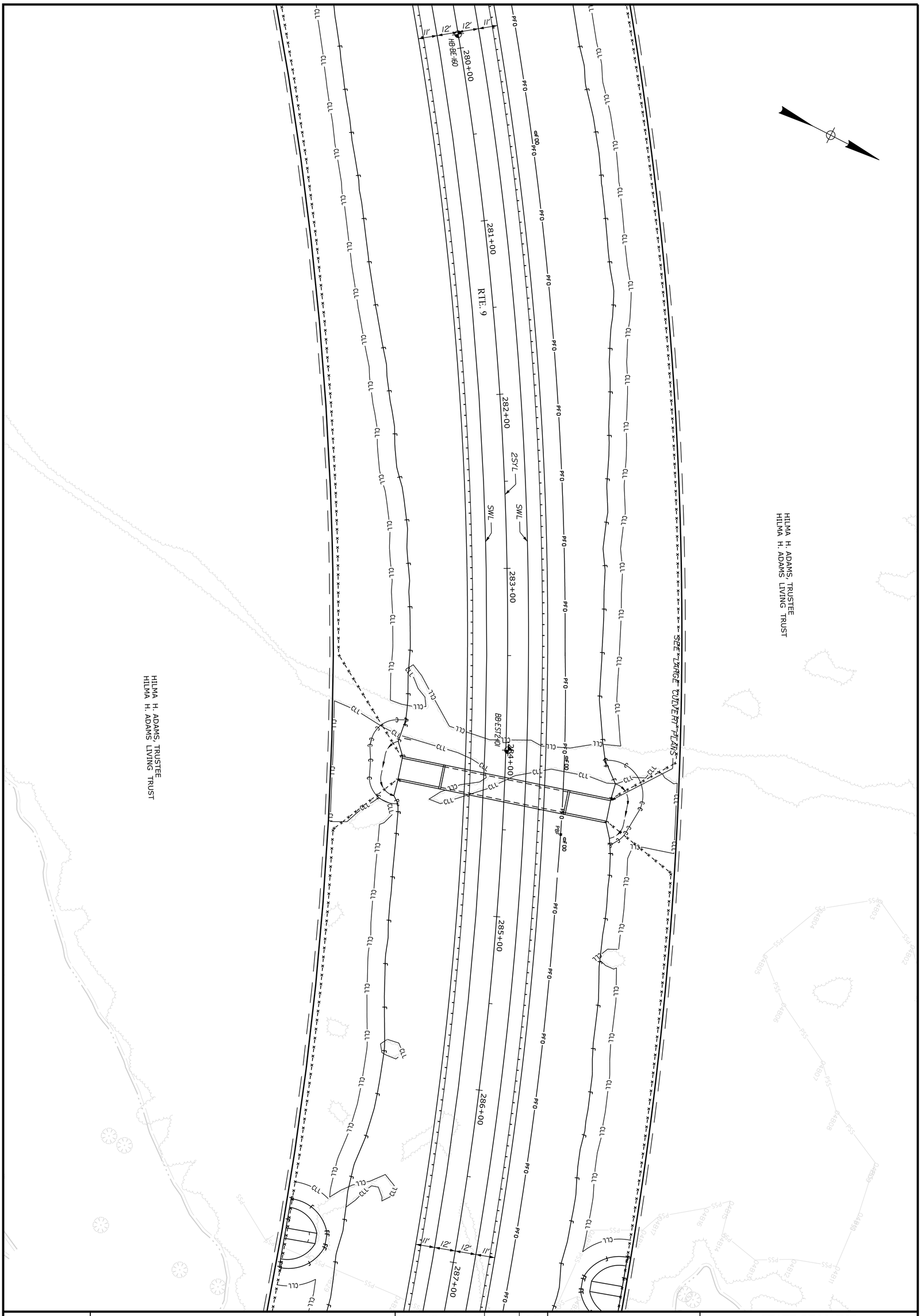
P.E. NUMBER

DATE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00



SHEET NUMBER H55 OF 460

BREWER TO EDDINGTON
I-395\ROUTE 9 CONNECTOR

PLANS

PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	D.PRIDE		SEP. 2021
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

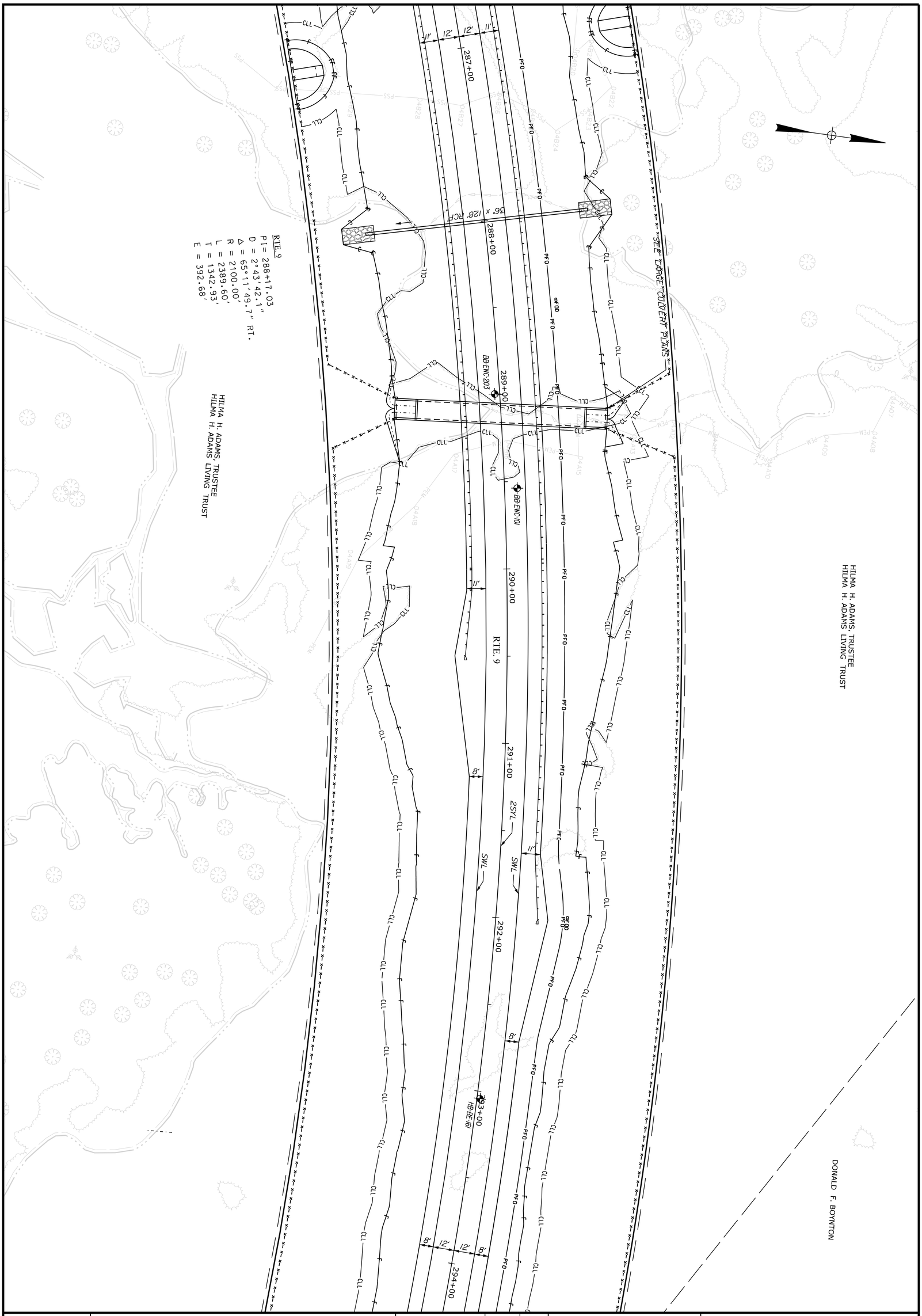
P.E. NUMBER

DATE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN 018915.00



PROJ. MANAGER	R. MOULTON	BY	DATE	
DESIGN-DETAILED	D.PRIDE		SEP. 2021	
CHECKED-REVIEWED				SIGNATURE
DESIGN2-DETAILED2				
DESIGN3-DETAILED3				P.E. NUMBER
REVISIONS 1				
REVISIONS 2				DATE
REVISIONS 3				
REVISIONS 4				
FIELD CHANGES				

SHEET NUMBER H56 OF 460

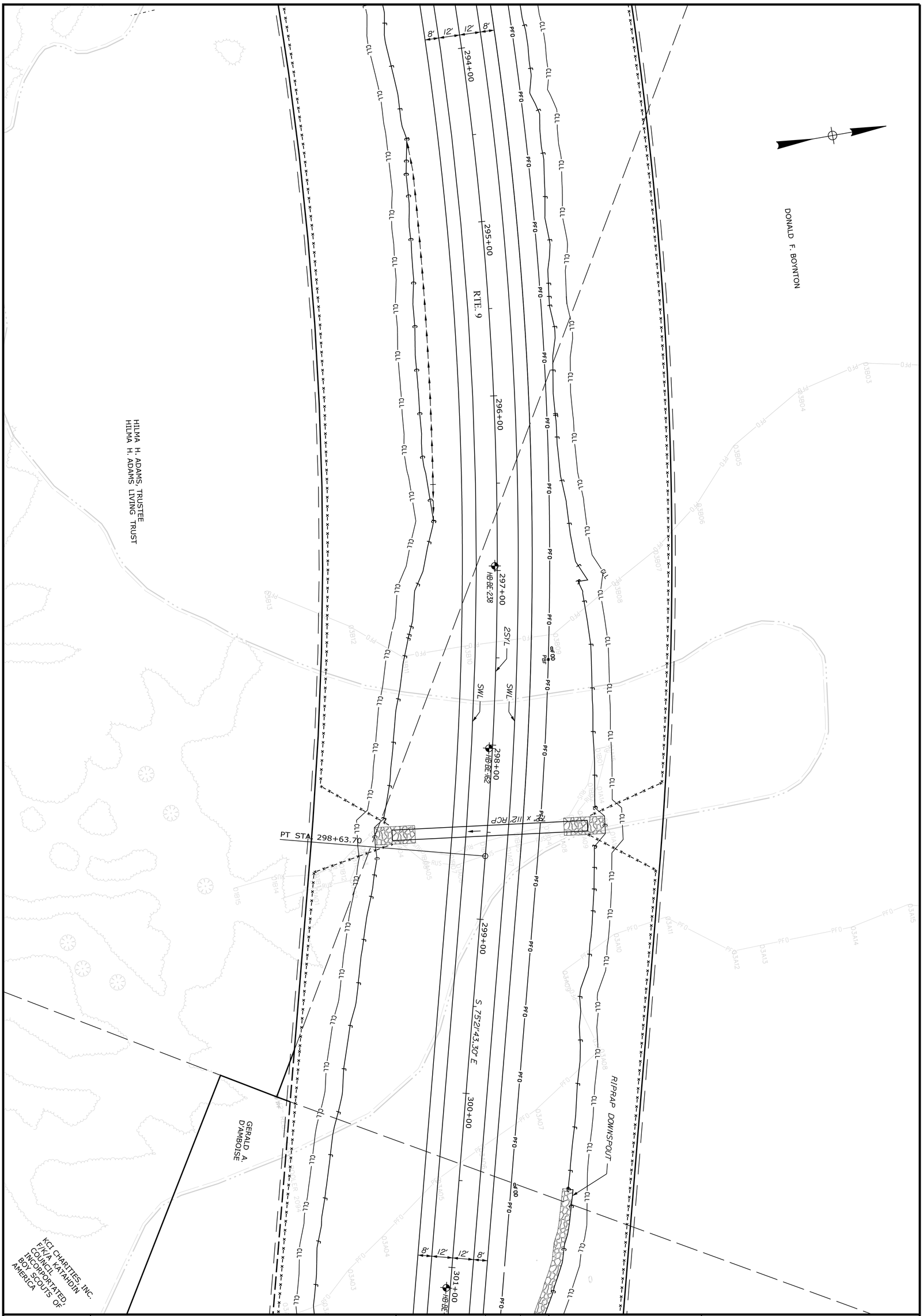
BREWER TO EDDINGTON
I-395\ROUTE 9 CONNECTOR

PLANS

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00



SHEET NUMBER H57 OF 460	BREWER TO EDDINGTON I-395\ROUTE 9 CONNECTOR PLANS	PROJ. MANAGER R. MOULTON BY DATE DESIGN-DETAILED D.PRIDE SEP. 2021 CHECKED-REVIEWED DESIGN2-DETAILED2 DESIGN3-DETAILED3 REVISIONS 1 REVISIONS 2 REVISIONS 3 REVISIONS 4 FIELD CHANGES	SIGNATURE P.E. NUMBER DATE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00

GERALD A. D'AMBOISE

KCI CHARITIES, INC.
F/K/A KATAHDIN COUNCIL INCORPORTATED,
BOY SCOUTS OF AMERICA

DEER ESCAPE JUMPOUT

STONE DITCH PROTECTION

301+00 302+00 303+00 304+00 305+00 306+00 307+00 308+00

HB-BE-163

HB-BE-164

REMOVE

2SYL

SWL

S 75°21'43.30" E

RTE. 9

8'

12'

12'

8'

RIPRAP DOWNSPOUT TO ENERGY DISSIPATOR

STONE DITCH PROTECTION

BUILDING NO. 7
RAZE & REMOVE

DEER ESCAPE JUMPOUT

GERALD A. D'AMBOISE

KCI CHARITIES, INC.
F/K/A KATAHDIN COUNCIL INCORPORTATED,
BOY SCOUTS OF AMERICA

KCI CHARITIES, INC.
F/K/A KATAHDIN COUNCIL INCORPORTATED,
BOY SCOUTS OF AMERICA

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00

SIGNATURE

P.E. NUMBER

DATE

	BY	DATE
PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	D.PRIDE	SEP. 2021
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

BREWER TO EDDINGTON
I-395\ROUTE 9 CONNECTOR

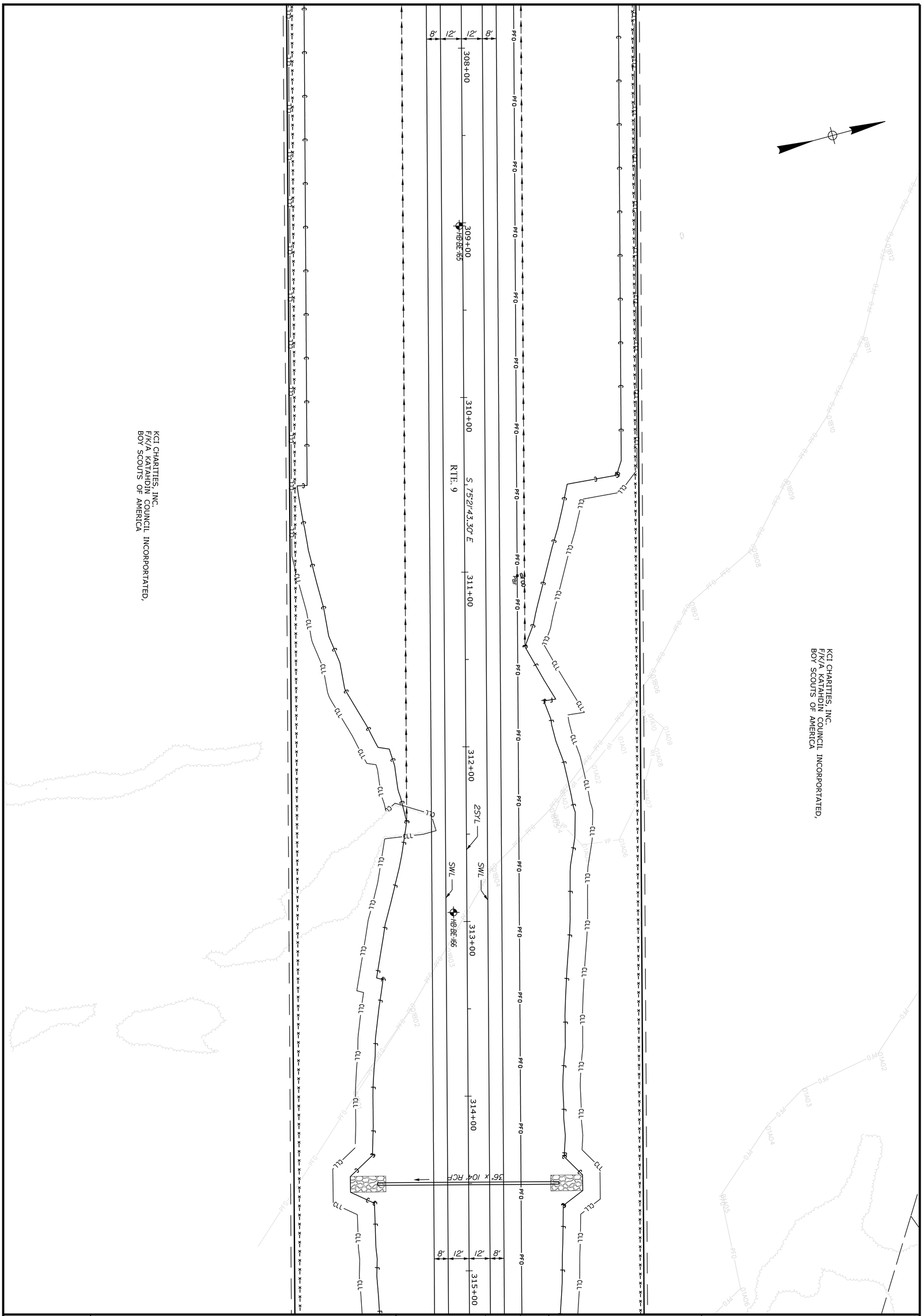
PLANS

SHEET NUMBER

H58

OF 460

Filename: ...\H58_HDPlan41.dgn Division: HIGHWAY Username: common Date:9/27/2021



SHEET NUMBER H59 OF 460

BREWER TO EDDINGTON
I-395\ROUTE 9 CONNECTOR

PLANS

PROJ. MANAGER	R. MOULTON	BY	DATE
DESIGN-DETAILED	D.PRIDE		SEP. 2021
CHECKED-REVIEWED			
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

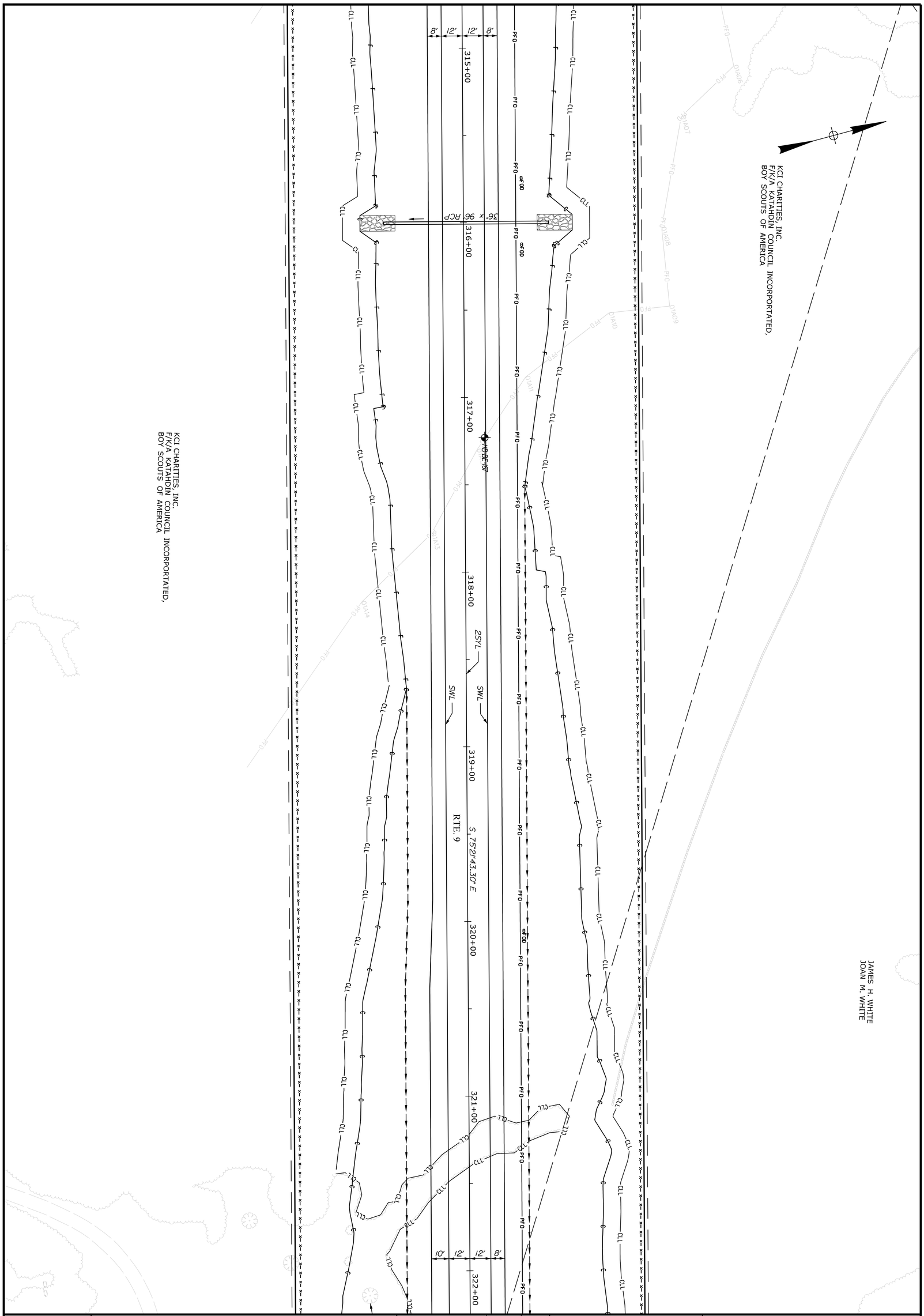
P.E. NUMBER

DATE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00



PROJ. MANAGER	R. MOULTON	BY	DATE	
DESIGN-DETAILED	D.PRIDE		SEP. 2021	
CHECKED-REVIEWED				SIGNATURE
DESIGN2-DETAILED2				
DESIGN3-DETAILED3				P.E. NUMBER
REVISIONS 1				
REVISIONS 2				
REVISIONS 3				DATE
REVISIONS 4				
FIELD CHANGES				

SHEET NUMBER H60 OF 460

BREWER TO EDDINGTON
I-395\ROUTE 9 CONNECTOR

PLANS

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00

MICHELLE L. PHILLIPS

JAMES H. WHITE
JOAN M. WHITE

PT STA. 410+20.93

S 14°38'16.70" W

ROUTE 9 BUSINESS

RTE. 9

SEE ITS PLAN - FIBER HUB FOR MORE DETAILS

FORESTED BUFFER WITH LEVEL SPREADER (FBLS4)

REMOVE

24" x 50' OPT. 1

EXCAVATE AND SE

HAL A. MEYERS
LAURIE A. MEYERS

KCI CHARITIES, INC.
F/K/A KATAHDIN COUNCIL INCORPORTATED,
BOY SCOUTS OF AMERICA

HB-BE-342

HB-BE-166

HB-BE-344

HB-BE-345

S 75°21'43.30" E

18" x 40' OPT. 1

REMOVED BY OTHERS

2 STORY GARAGE GAMBREL STYLE

410+00 411+00 412+00 6121+4

322+00 323+00 324+00 325+00 326+00 327+00 328+00 329+00

6002+00 6001+00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00

PROJ. MANAGER			
DESIGN-DETAILED	R. MOULTON	SEP. 2021	SIGNATURE
CHECKED-REVIEWED	D.PRIDE		
DESIGN2-DETAILED2			P.E. NUMBER
DESIGN3-DETAILED3			
REVISIONS 1			DATE
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

BREWER TO EDDINGTON
I-395\ROUTE 9 CONNECTOR

PLANS

SHEET NUMBER

H61

OF 460

Filename: ...\H61_HDPlan44.dgn Division: HIGHWAY Username: common Date:9/27/2021

LARRY E. LANCASTER
FANNIE B. LANCASTER

CAROL MORRISSEY

EXISTING DRAINAGE OUTLET DITCH
S.H.C. FILE NO. 10-135, 1961

6001+00

6000+00

STA. 6000+00.00

PC

STA. 6000+28.46
SAWCUT EXISTING PAVEMENT

24" x 50' OPT. 1 III

REMOVE

REMOVE

EXCAVATE, LOAM
AND SEED

EXCAVATE ROADWAY TO SUBGRADE
AND GRADE TO DRAIN TO DITCH

REMOVE

SEE ITS PLAN - PVMS #3 FOR MORE DETAILS

EXISTING
S.H.C. FIL

REMOVE

REMOVE

REMOVE

8'

12'

8'

329+00

330+00

331+00

S 75°21'43.30" E

332+00

HB-BE-169

2SYL

SWL

333+00

SWL

334+00

335+00

336+00

RTE. 9

12'

12'

8'

36" x 80' RCP

18" x 40' OPT. 1

FLOW SPLITTER

REMOVED BY
OTHERS

MEADOW BUFFER WITH
LEVEL SPREADER (MBLS3)

STONE BERMED
LEVEL LIP SPREADER

EXISTING SLOPE EASE
10-135, 1961

HAL A. MEYERS
LAURIE A. MEYERS

KCI CHARITIES, INC.
F/K/A KATAHDIN COUNCIL INCORPORTATED,
BOY SCOUTS OF AMERICA

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00

	DATE	
	BY	SIGNATURE
		P.E. NUMBER
		DATE

R. MOULTON		
D.PRIDE		
PROJ. MANAGER		
DESIGN-DETAILED	SEP. 2021	
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

BREWER TO EDDINGTON
I-395\ROUTE 9 CONNECTOR

PLANS

SHEET NUMBER

H62

OF 460

Filename: ...\H62_HDPlan45.dgn Division: HIGHWAY Username: common Date:9/27/2021

CAROL MORRISSEY

CHARLES L. BAKER

EXISTING DRAINAGE OUTLET DITCH
S.H.C. FIL E NO. 10-135, 1961

EXISTING DRAINAGE OUTLET DITCH
S.H.C. FILE NO. 10-135, 1961

RTE. 9

REMOVE

REMOVE

18" x 40' OPT. I

36" x 80' RCP

24"x96' RCP

2SYL

SWL

SWL

S 75°21'43.30" E

336+00 337+00 338+00 339+00 340+00 341+00 342+00 343+00

8' 12' 12' 8'

EXISTING SLOPE EASE
10-135, 1961

EXISTING SLOPE EASE
10-135, 1961

KCI CHARITIES, INC.
F/K/A KATAHDIN COUNCIL INCORPORTATED,
BOY SCOUTS OF AMERICA

JONATHAN F. WOOD

KCI CHARITIES, INC.
F/K/A KATAHDIN COUNCIL INCORPORTATED,
BOY SCOUTS OF AMERICA

SUZANNE M. FLOOD

METAL FENCE POST 5' HIGH PAINTED RED

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00

	BY	DATE
PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	D.PRIDE	SEP. 2021
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

BREWER TO EDDINGTON
I-395\ROUTE 9 CONNECTOR

PLANS

SHEET NUMBER

H63

OF 460

Filename: ...\H63_HDPlan46.dgn Division: HIGHWAY Username: common Date:9/27/2021

CHARLES L. BAKER

CHARLES L. BAKER, JR.

TOWN OF EDDINGTON

EXISTING DRAINAGE EASE.
S.H.C. FILE NO. 10-135, 1961
(NOTE: 1961 PLANS SHOW THIS AS AN INLET, BUT SURVEYOR TOLD ME THIS IS THE OUTLET END)

EXISTING DRAINAGE OUTLET EASE.
S.H.C. FILE NO. 10-135, 1961

EXISTING DRAINAGE OUTLET DITCH EASE.
S.H.C. FILE NO. 10-135, 1961

EXISTING SLOPE EASE
S.H.C. FILE NO. 10-135, 1961

EXISTING SLOPE EASE
S.H.C. FILE NO. 10-135, 1961

EXIST. SLOPE EASE. LIMITS

STA. 343+00.00
PROJ. NO. 1891500
END PROJECT

8'
12'
12'
8'

343+00 344+00 S 75°21'43.30" E 345+00 346+00 347+00 348+00 349+00 350+00

RTE. 9

STA. 343+50.00
PROJ. NO. 1891500
LIMIT OF WORK

EXISTING SLOPE EASE
S.H.C. FILE NO. 10-135, 1961

EXIST. SLOPE EASE. LIMITS

EXISTING DRAINAGE STRUCTURE EASE.
S.H.C. FILE NO. 10-135, 1961
(NOTE: 1961 PLANS SHOW THIS AS AN OUTLET, BUT SURVEYOR TELLS ME IT IS AN INLET)

SUZANNE M. FLOOD

CHARLES MCKAY, JR.
SUSAN MCKAY

DANIEL P. SOUCIE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

1891500

WIN
018915.00

	BY	DATE
PROJ. MANAGER	R. MOULTON	
DESIGN-DETAILED	D.PRIDE	SEP. 2021
CHECKED-REVIEWED		
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE

P.E. NUMBER

DATE

BREWER TO EDDINGTON
I-395\ROUTE 9 CONNECTOR

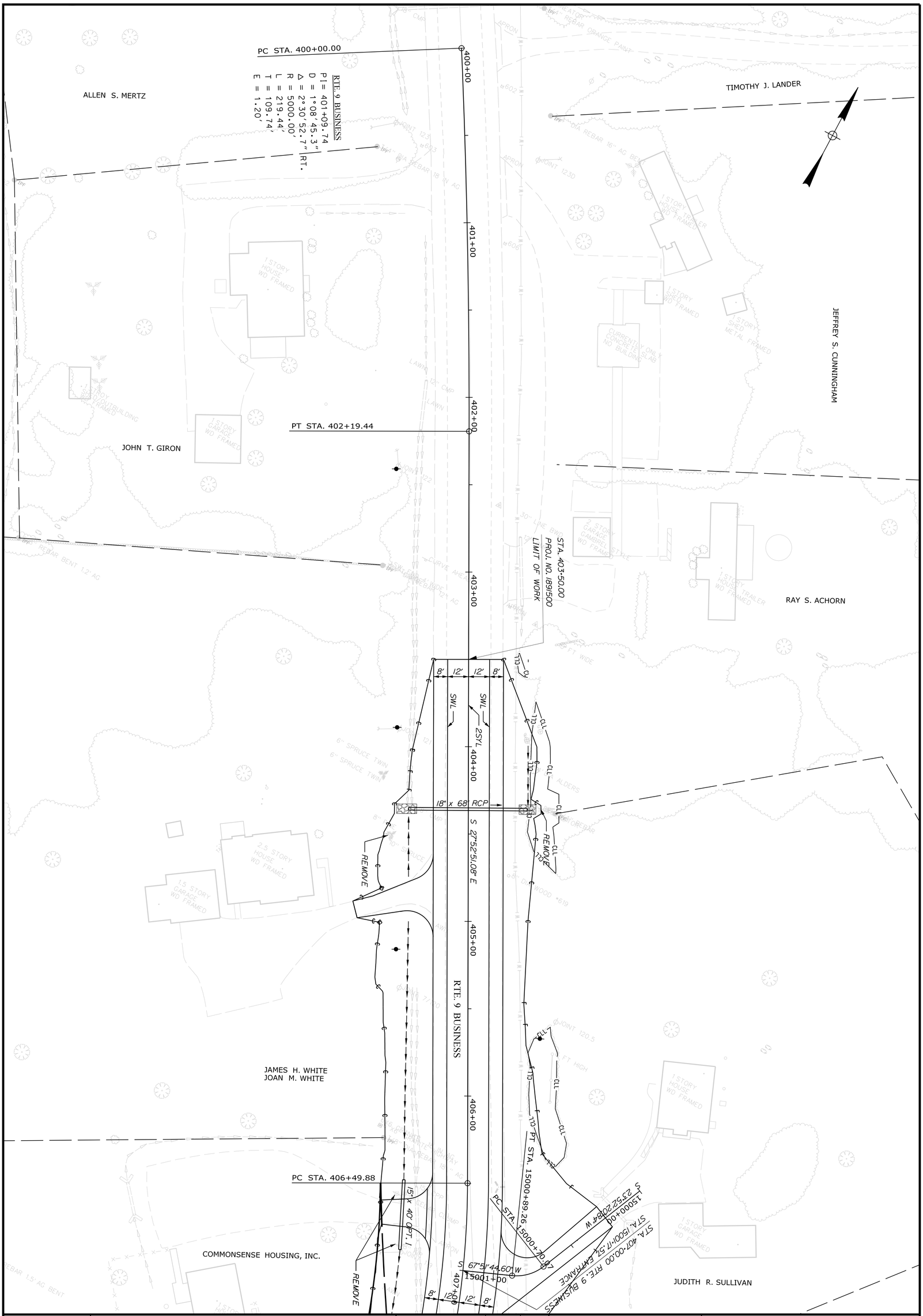
PLANS

SHEET NUMBER

H64

OF 460

Filename: ...\H64_HDPlan47.dgn Division: HIGHWAY Username: common Date:9/27/2021



PROJ. MANAGER	R. MOULTON	BY	DATE	
DESIGN-DETAILED	D.PRIDE		SEP. 2021	
CHECKED-REVIEWED				SIGNATURE
DESIGN2-DETAILED2				
DESIGN3-DETAILED3				P.E. NUMBER
REVISIONS 1				
REVISIONS 2				DATE
REVISIONS 3				
REVISIONS 4				
FIELD CHANGES				

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BREWER TO EDDINGTON
I-395\ROUTE 9 CONNECTOR

PLANS

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

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