

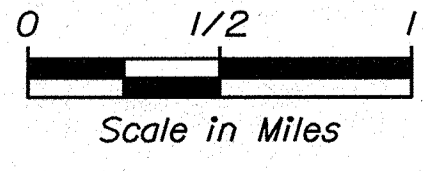
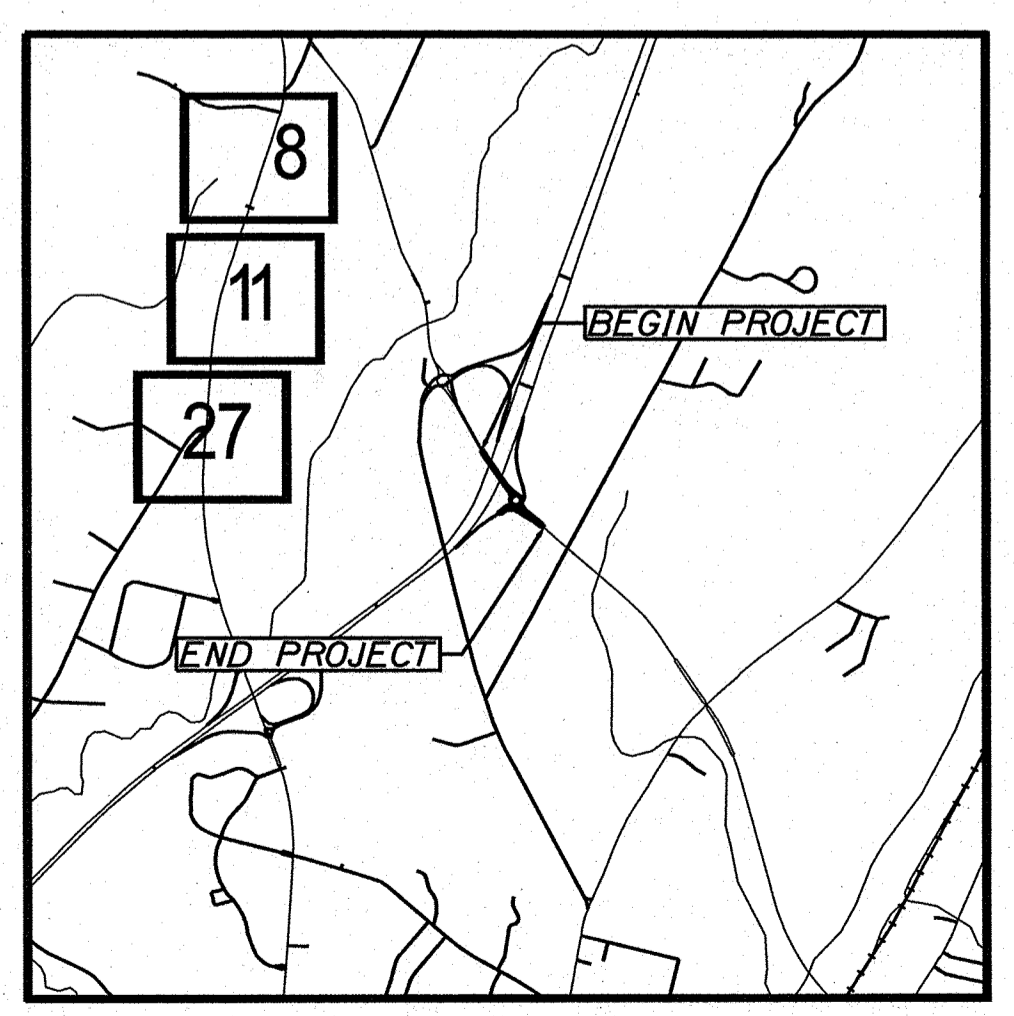
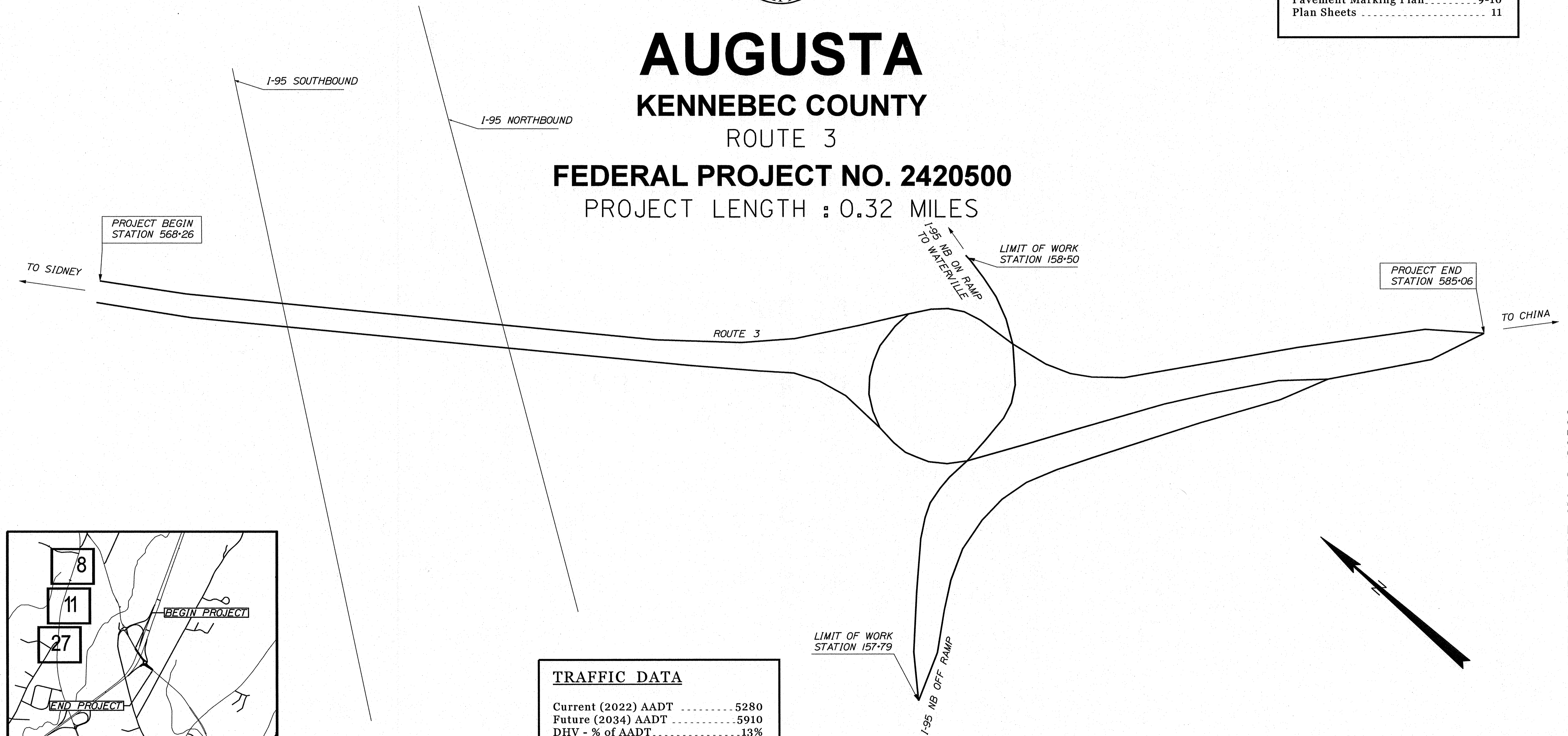
STATE OF MAINE DEPARTMENT OF TRANSPORTATION



AUGUSTA KENNEBEC COUNTY ROUTE 3

FEDERAL PROJECT NO. 2420500
PROJECT LENGTH : 0.32 MILES

SHEET INDEX	
Title Sheet	1
Typical Sections	2
Construction Notes	3
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Detour Map	5
Geometric Plan	6-8
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Scale in Miles
LOCATION MAP

TRAFFIC DATA	
Current (2022) AADT	5280
Future (2034) AADT	5910
DHV - % of AADT	13%
Design Hour Volume	768
% Heavy Trucks (AADT)	8%
Directional Distribution (DHV)	100%
18-KIP Equivalent P(2.0)	436
18-KIP Equivalent P(2.5)	415
Design Speed (mph)	35
Functional Class:	Oth. Princ. Art.
Corridor Priority	1

PROJECT LOCATION:	BEGINNING 0.91 OF A MILE NORTH OF WEST RIVER ROAD AND EXTENDING SOUTH 0.32 OF A MILE.
PROGRAM AREA:	HIGHWAY PROGRAM
SCOPE OF WORK:	1½" MILL & FILL SAFETY PROJECT

STATE OF MAINE DEPARTMENT OF TRANSPORTATION	APPROVED	DATE
COMMISSIONER: <i>[Signature]</i>	<i>[Signature]</i>	3-22-22
CHIEF ENGINEER: <i>[Signature]</i>	<i>[Signature]</i>	3-22-22

PROJECT INFORMATION	
PROGRAM	HIGHWAY
PROJECT MANAGER	DOUG COOMBS
DESIGNER	DEAN ROWLANDS
CONSULTANT	
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	

PROJECT INFORMATION	
SIGNATURE	<i>[Signature]</i>
P.E. NUMBER	13884
DATE	3/10/22

WIN 24205.00 FEDERAL PROJECT NO. 2420500	
AUGUSTA ROUTE 3	
TITLE SHEET	

SHEET NUMBER	1
OF 11	

Date: 3/10/2022

Username: Kyle.MacDonald

Division: HIGHWAY

Filename: ...100\HIGHWAY\MSTA\001_Title.dgn

Date: 3/11/2022

Username: Kyle.MacDonald

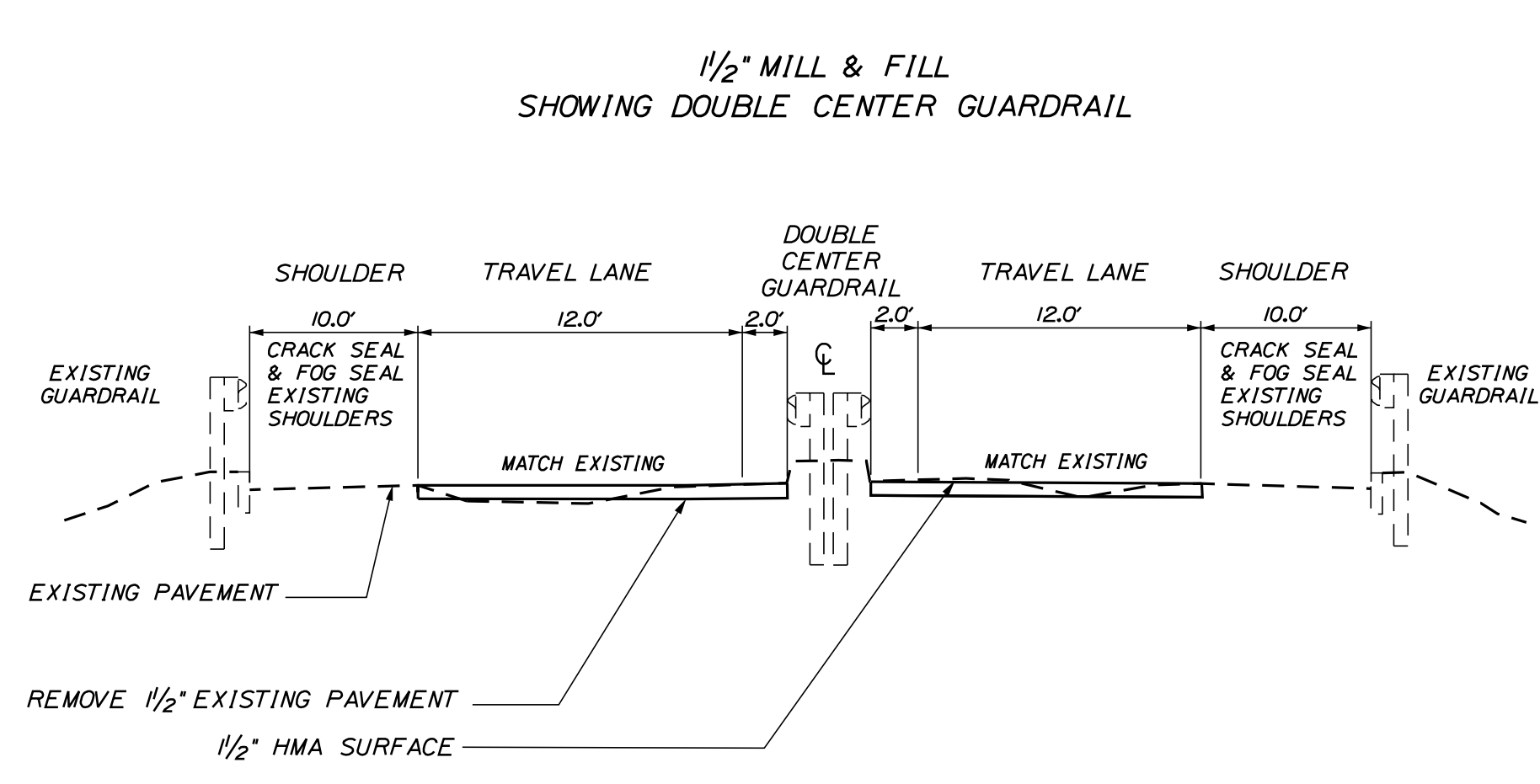
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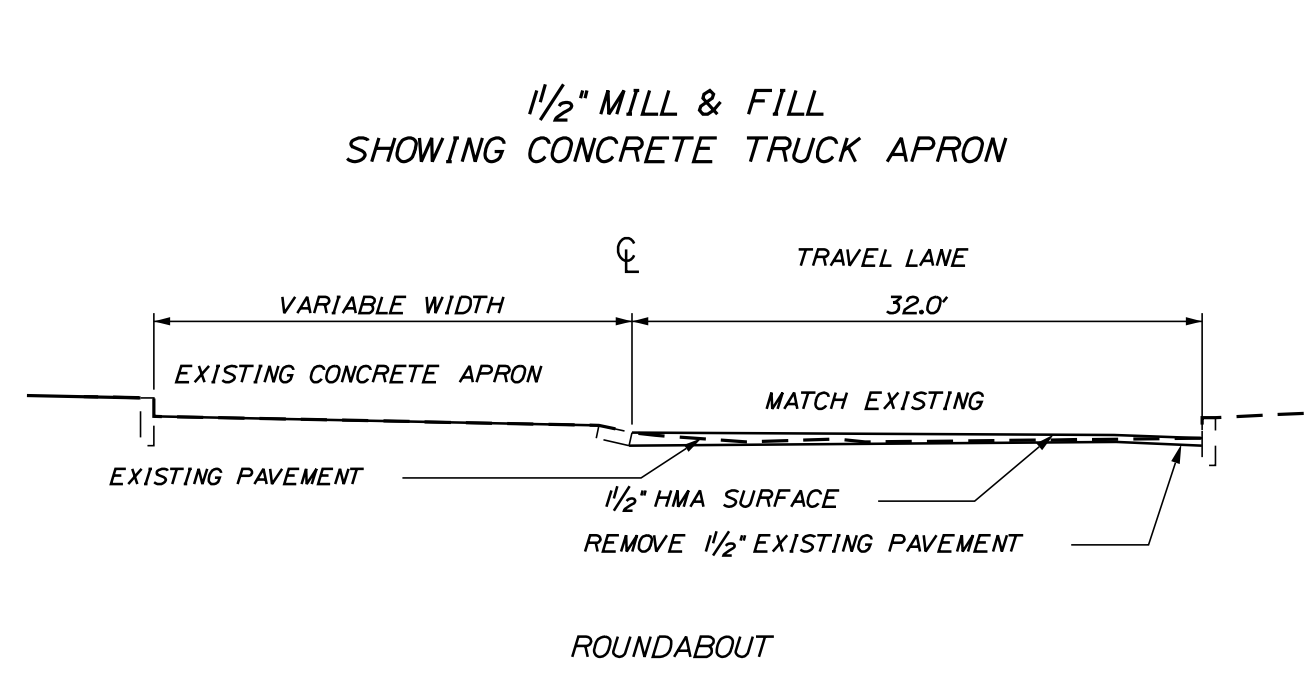
DESIGN-DETAILED	BY	DATE
CHECKED-REVIEWED	DEAN ROWLANDS	
DESIGN-DETAILED		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE	P.E. NUMBER	DATE

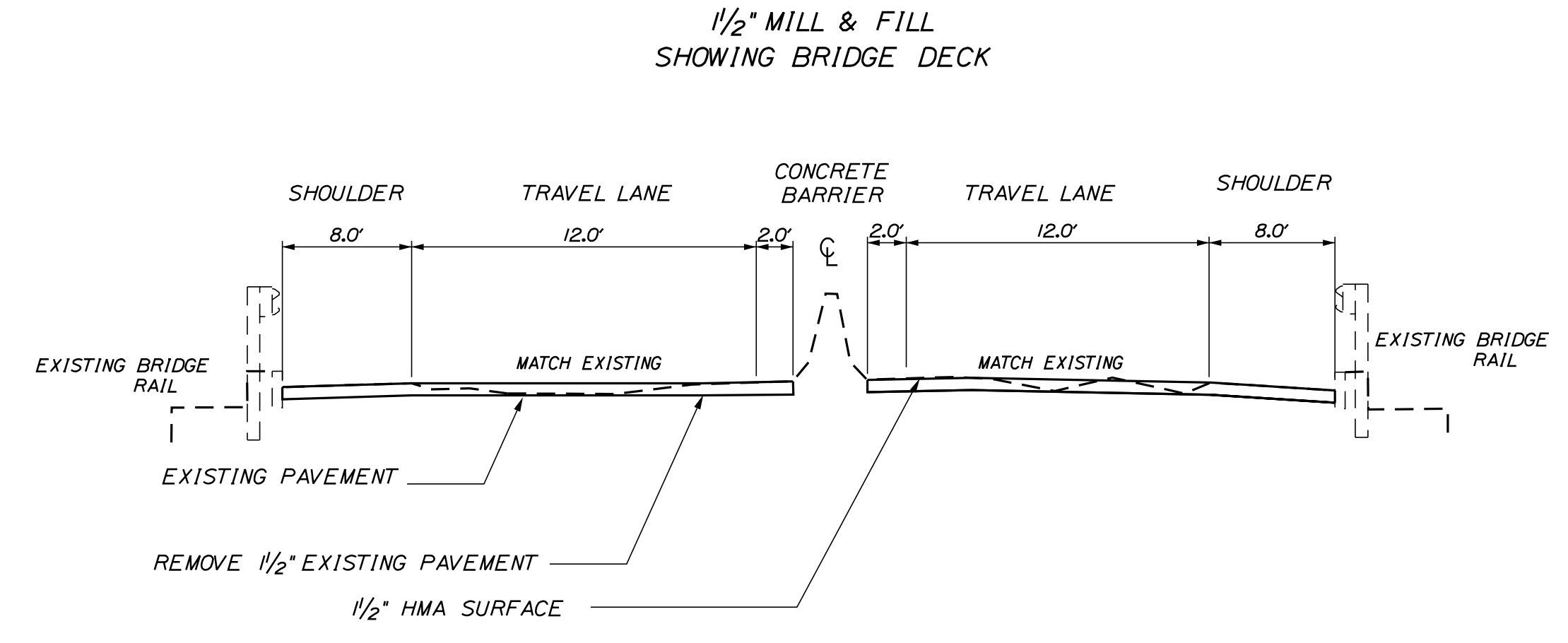
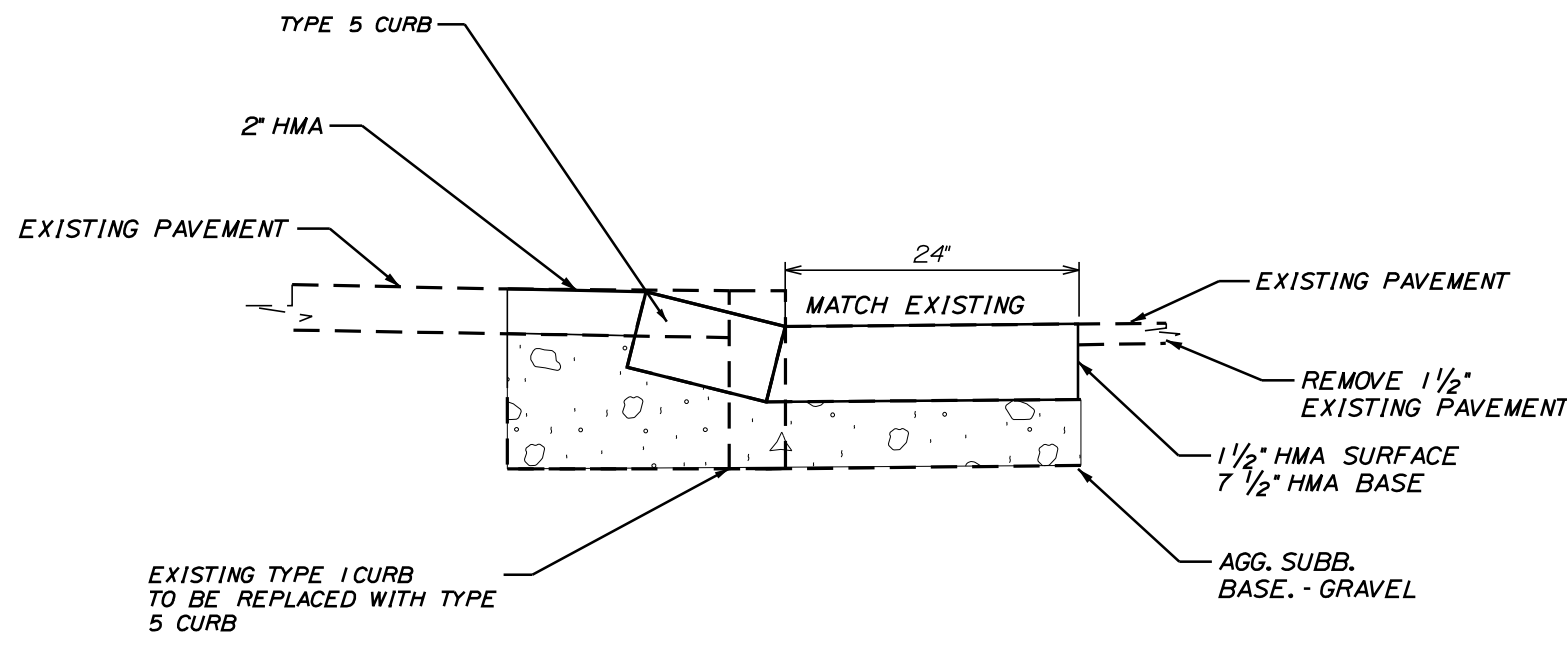
AUGUSTA
ROUTE 3
TYPICAL SECTIONS



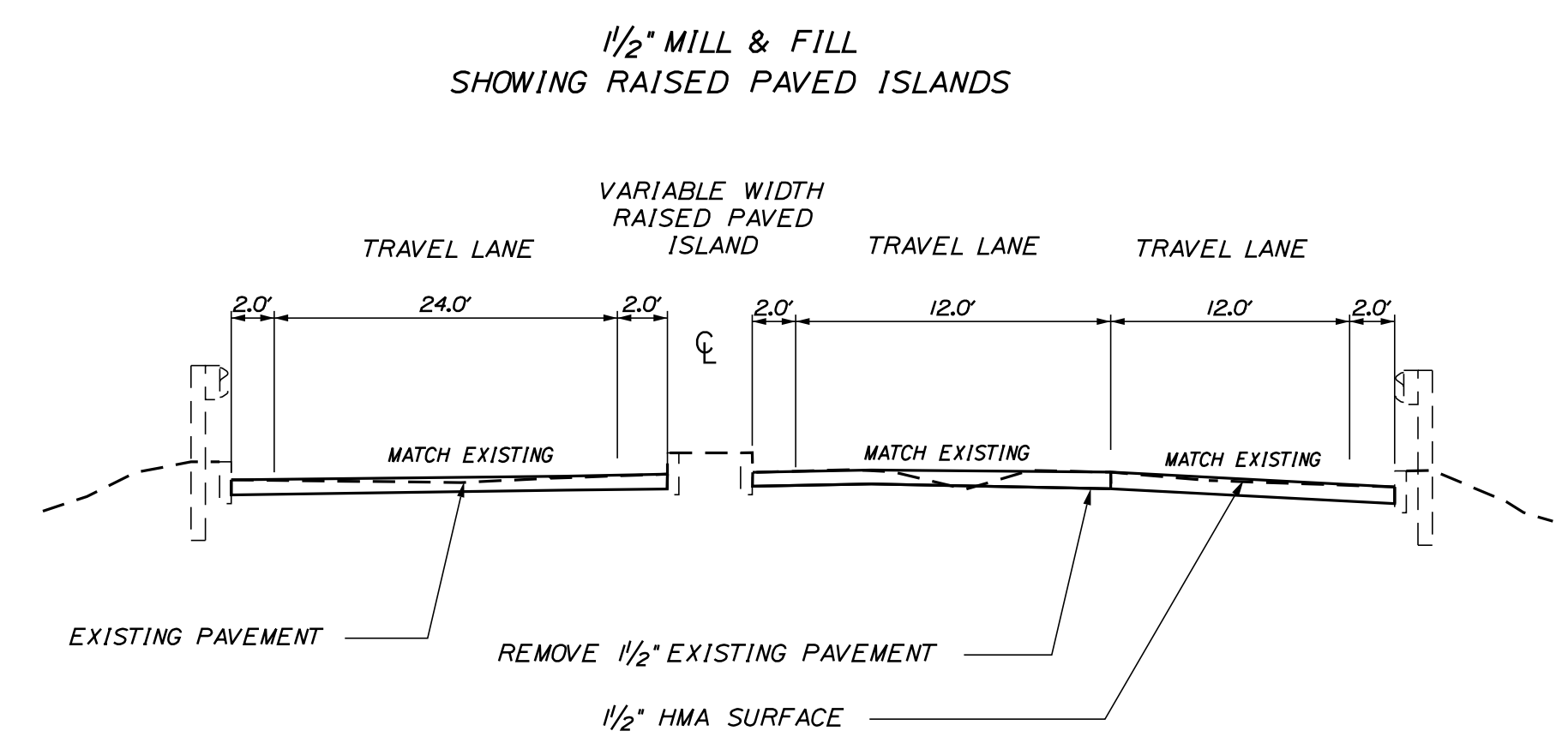
WESTBOUND AND EASTBOUND APPROACH OF BRIDGE



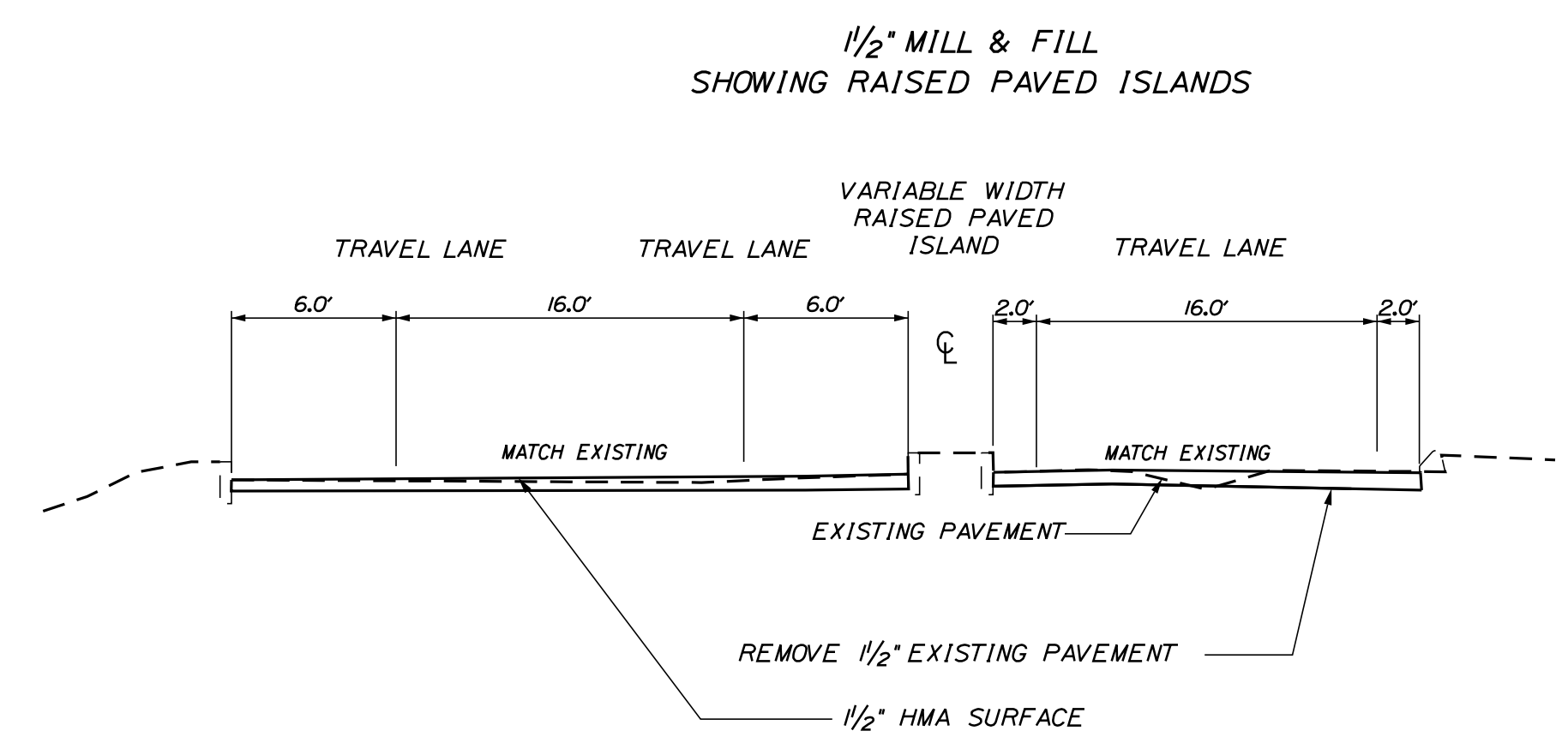
CURB REPLACEMENT DETAIL



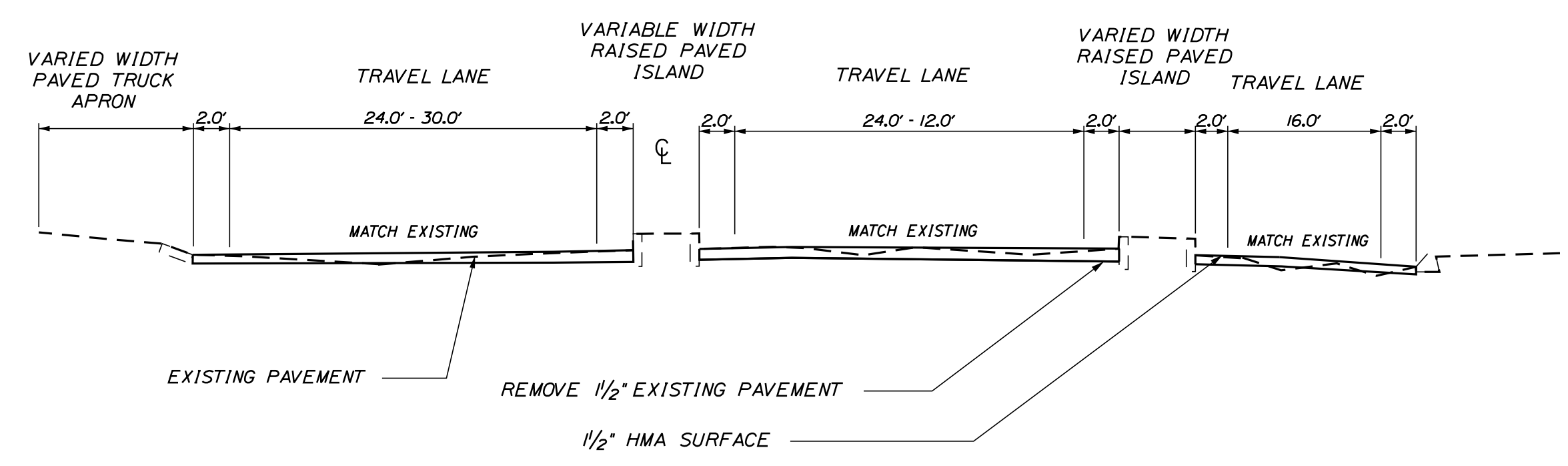
I-95 NORTH AND SOUTH OVERPASS



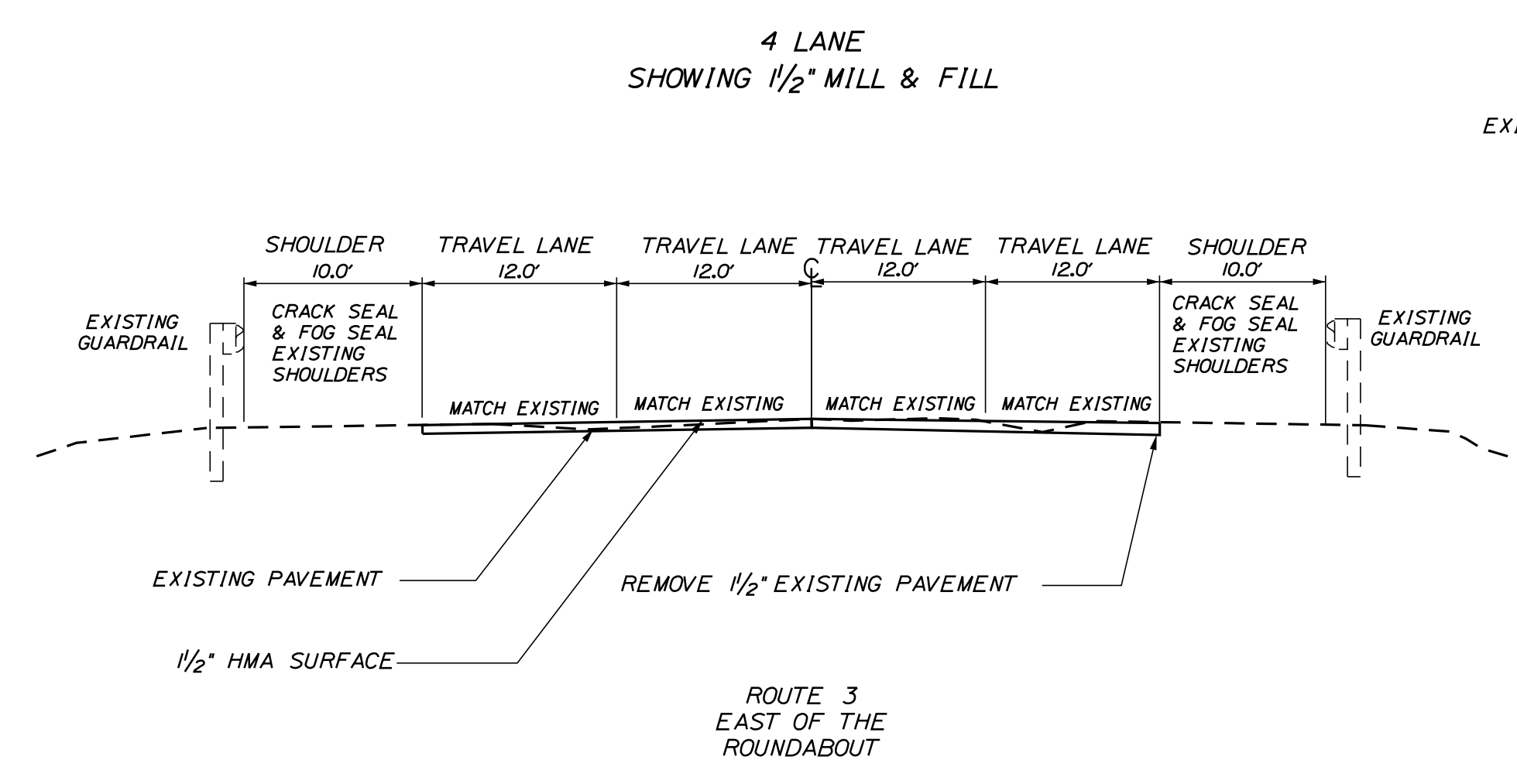
WEST END ENTRANCE AND EXIT OF ROUNDABOUT



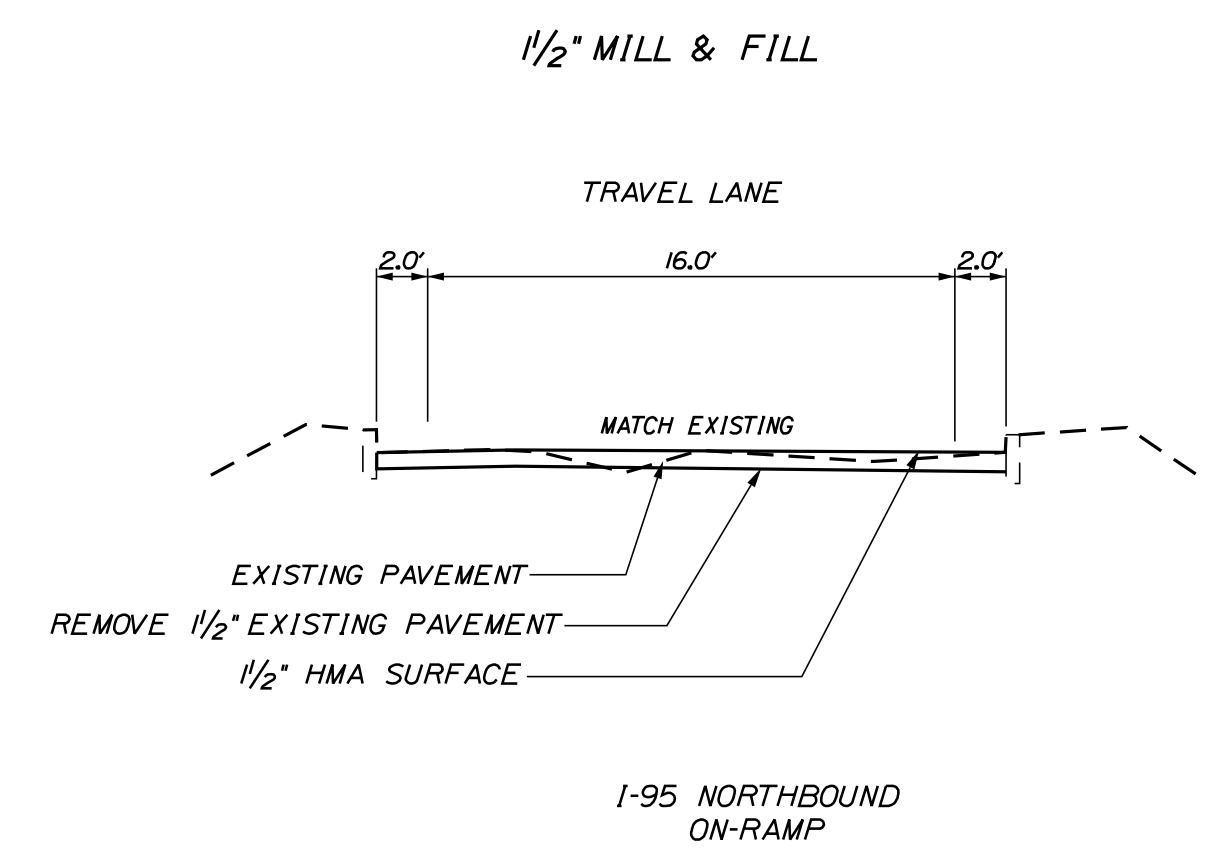
I-95 NORTHBOUND OFF-RAMP



ROUTE 3 EAST END ENTRANCE AND EXIT OF ROUNDABOUT



ROUTE 3 EAST OF THE ROUNDABOUT



I-95 NORTHBOUND ON-RAMP

NOT TO SCALE

202.2023 REMOVING PAVEMENT SURFACE-MEDIUM CUT DRUM

REMOVE 1 1/2" PAVEMENT SURFACE MAINLINE AND SHOULDERS THAT ARE LESS THAN 4 FEET WIDE INCLUDING RAMPS AS DIRECTED.

PAVEMENT MILLINGS BECOME THE PROPERTY OF THE CONTRACTOR.

403.209 HOT MIX ASPHALT 9.5 MM (SIDEWALKS, DRIVES, ISLANDS, & INCIDENTALS)

TO BE USED TO REPAVE ISLANDS WHERE EXISTING CURB IS REPLACED.

403.213 HOT MIX ASPHALT 12.5MM BASE

TO BE USED TO REPAVE AROUND THE NEW CURB INSTALLATIONS.

410.151 EMULSIFIED ASPHALT SEALCOAT, APPLIED

TO BE USED ON SHOULDERS THAT ARE NOT MILLED OR REPAVED

424.22 ASPHALT RUBBER CRACK SEALER TYPE 2, APPLIED

TO BE USED ON SHOULDERS THAT ARE NOT MILLED OR REPAVED

609.26 CURB TRANSITION SECTION B TYPE 1

TO BE INSTALLED TO CONNECT THE NEW TYPE 5 CURB AT THE NOSE OF THE ISLAND TO THE EXISTING TYPE 1 CURB.

LOCATION	LEFT	RIGHT
*81	1 EA	1 EA
*82	1 EA	1 EA
*73	1 EA	1 EA
*72	1 EA	1 EA
*76	1 EA	1 EA
*77	1 EA	1 EA

609.34 CURB TYPE 5

TO BE INSTALLED TO REPLACE EXISTING TYPE 1 CURB AT THE NOSE OF THE ISLAND

LOCATION	LEFT	RIGHT
*81	8.0'	8.0'
*82	8.0'	8.0'
*73	8.0'	8.0'
*72	8.0'	8.0'
*76	8.0'	8.0'
*77	8.0'	8.0'

609.35 CURB TYPE 5 - CIRCULAR

TO BE INSTALLED TO REPLACE EXISTING TYPE 1 CURB AT THE NOSE OF THE ISLAND

LOCATION	RADIUS	LENGTH
*81	3.0'	9.0'
*82	4.0'	10.0'
*73	4.0'	9.0'
*72	3.0'	9.0'
*76	3.0'	9.0'
*77	4.0'	9.0'

627.78 TEMPORARY 4 INCH PAINTED PAVEMENT MARKING LINE, WHITE OR YELLOW

TEMPORARY CENTER LINES AND EDGE LINES SHALL BE PAINTED ON ALL MATCHED PAVEMENT WITHIN ONE WEEK.

MULTILANE SECTIONS, TRUCK LANES, AND MILLED SURFACES MUST BE STRIPED DAILY ON ALL MATCHED PAVEMENT LAYERS.

TEMPORARY LINES WILL REQUIRE ONE COAT ON THE MILLED SURFACE AND ONE COAT ON THE SHIM LAYER.

627.745 6 INCH WHITE OR YELLOW POLYUREA PAVEMENT MARKING LINE (RECESSED) & 627.751 WHITE OR YELLOW POLYUREA PAVEMENT MARKING (RECESSED) & 627.30 GROOVING FOR PAVEMENT MARKING

SEE PLAN SHEET FOR LOCATIONS OF THE PAVEMENT MARKING AND GRINDING.

PRIOR TO FINAL MARKING LINE APPLICATION ON SURFACE COURSE, THE CONTRACTOR SHALL CONFIRM AND RECEIVE APPROVAL FOR MARKING LINE LAYOUT FROM THE DEPARTMENT.

627.733 WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE

CENTER LINES AND EDGE LINES SHALL BE PAINTED ON ALL MATCHED PAVEMENT WITHIN ONE WEEK. CENTER LINE TMS MAY BE UTILIZED UNTIL FINAL STRIPING AND WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

MULTILANE SECTIONS AND TRUCK LANES MUST BE STRIPED DAILY ON ALL MATCHED PAVEMENT LAYERS.

PRIOR TO FINAL MARKING LINE APPLICATION ON SURFACE COURSE, THE CONTRACTOR SHALL CONFIRM AND RECEIVE APPROVAL FOR MARKING LINE LAYOUT FROM THE DEPARTMENT.

645.106 DEMOUNT REGULATORY, WARNING, CONFIRMATION AND ROUTE MARKER ASSEMBLY SIGN

MAINEDOT WILL SUPPLY NEW SIGNS, THE CONTRACTOR WILL DEMOUNT EXISTING SIGNS.

SEE PLAN SHEET FOR LOCATIONS.

645.116 REINSTALL REGULATORY, WARNING, CONFIRMATION AND ROUTE MARKER ASSEMBLY SIGN

MAINEDOT WILL SUPPLY NEW SIGNS, THE CONTRACTOR WILL INSTALL NEW SIGNS.

SEE PLAN SHEET FOR LOCATIONS.

658.20 ACRYLIC LATEX COLOR FINISH, GREEN

TO BE USED TO REPAINT ISLAND NOSES WHERE CURB IS TO BE REPLACED.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

2420500

WIN
24205.00

HIGHWAY PLANS

SIGNATURE

P.E. NUMBER

DATE

DATE

BY

DOUGLAS COMBS

DEAN ROWLANDS

DESIGN-DETAILED

CHECKED-REVIEWED

DESIGN-DETAILED

DESIGN-DETAILED

REVISIONS 1

REVISIONS 2

REVISIONS 3

REVISIONS 4

FIELD CHANGES

AUGUSTA
ROUTE 3

CONSTRUCTION NOTES

SHEET NUMBER

3

OF 11

GENERAL NOTES

1. PAVEMENT THICKNESSES SHOWN ON THE TYPICAL SECTIONS ARE INTENDED TO BE NOMINAL.
2. 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.
3. WHERE DEEMED NECESSARY BY THE RESIDENT, UNSUITABLE EXCESS MATERIAL SHALL BE REMOVED FROM THE EDGES OF SHOULDERS AND PLACED IN DESIGNATED AREAS OR DISPOSED OF. PAYMENT WILL BE MADE UNDER THE APPROPRIATE CONTRACT ITEMS.
4. THE CONTRACTOR SHALL PLACE SUITABLE EXISTING OR OTHER MATERIAL ACCEPTABLE TO THE RESIDENT ON ALL PAVEMENT EDGES TO ALLOW A DROP OFF NO GREATER THAN THE SURFACE PAVEMENT THICKNESS. THE MATERIAL SHALL BE GRADED TO MATCH THE EXISTING INSLOPE OR AS DIRECTED BY THE RESIDENT BEFORE SURFACE IS PLACED. THE CONTRACTOR WILL BE PAID UNDER APPROPRIATE EQUIPMENT RENTAL ITEMS. BORROW IS NOT AUTHORIZED UNTIL ALL ACCEPTABLE WASTE MATERIAL HAS BEEN UTILIZED. SEED AND MULCH WILL BE PAID FOR AT THE CONTRACT UNIT PRICE.
5. 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.
6. ANY NECESSARY CLEANING OF EXISTING PAVEMENT PRIOR TO PAVING (OR MILLING) SHALL BE INCIDENTAL TO THE RELATED PAVING (OR MILLING) ITEMS. THIS INCLUDES KILLING AND REMOVAL OF ALL VEGETATIVE MATTER.
7. WHEN SUPERELEVATION EXCEEDS THE SLOPE OF THE LOW-SIDE SHOULDER, THE LOW-SIDE SHOULDER WILL HAVE SAME SLOPE AS THE TRAVELWAY.
8. CROSS SLOPES FOR NORMAL AND SUPERELEVATED SECTIONS WILL BE STRAIGHT UNLESS OTHERWISE DIRECTED BY THE DEPARTMENT.
9. THE ALGEBRAIC DIFFERENCE BETWEEN TRAVELWAY AND SHOULDER CROSS SLOPE SHALL NOT EXCEED 8 PERCENT.
10. NO EXISTING DRAINAGE SHALL BE ABANDONED, REMOVED OR PLUGGED WITHOUT PRIOR APPROVAL OF THE RESIDENT.
11. 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.
12. IN AREAS WHERE CURB TYPE 1 WILL BE RESET, THE EXISTING CURB SUITABLE FOR USE AS TERMINAL ENDS SHALL BE CUT, IF NECESSARY, AND UTILIZED AS SUCH AND WILL BE PAID FOR UNDER STANDARD SPECIFICATIONS ITEM 609.38, RESET CURB TYPE 1. REQUIRED CUTTING WILL BE PAID UNDER FORCE ACCOUNT PROCEDURES.
13. 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.
14. ACRYLIC LATEX COLOR FINISH GREEN (STANDARD SPECIFICATIONS ITEM 658.20, ACRYLIC LATEX COLOR FINISH) SHALL BE PLACED ON ALL PAVED ISLANDS.
15. 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.
16. 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.
17. 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.

18. PLANS OF PREVIOUSLY CONSTRUCTED PROJECTS ARE AVAILABLE ON REQUEST.
19. 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.
20. UNDETERMINED LOCATIONS SHALL BE DETERMINED BY THE RESIDENT.
21. STATIONS REFERENCED ARE APPROXIMATE.
22. 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.
23. 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.

Date: 3/11/2022

Username: Kyle.MacDonald

Division: HIGHWAY

Filename: ... \MSTA\004_GeneralNotes.dgn

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

2420500

WIN
24205.00

HIGHWAY PLANS

SIGNATURE
P.E. NUMBER
DATE

PROJ. MANAGER	DESIGN-DETAILED	CHECKED-REVIEWED	DESIGN-DETAILED	DESIGN-DETAILED	REVISIONS 1	REVISIONS 2	REVISIONS 3	REVISIONS 4	FIELD CHANGES

AUGUSTA
ROUTE 3

GENERAL NOTES

SHEET NUMBER

4

OF 11

① DETOUR AHEAD

② ROAD CLOSED 500 FT

③ ROAD CLOSED 1000 FT

④ ROAD CLOSED 1/2 MILE

⑤ END DETOUR

⑥ ROAD CLOSED X FEET AHEAD LOCAL TRAFFIC ONLY

⑦ ROAD CLOSED

⑧ TO NORTH 95 ↑

⑨ TO NORTH 95 →

⑩ TO NORTH 95 ↗

⑪ TO NORTH 95 ↖

⑫ TO NORTH 95 ←

⑬ TO SOUTH 95 ↑

⑭ TO SOUTH 95 →

⑮ TO SOUTH 95 ↗

⑯ TO SOUTH 95 ↖

⑰ TO SOUTH 95 ←

⑱ DETOUR WEST 3 ↑

⑲ DETOUR WEST 3 →

⑳ DETOUR WEST 3 ↗

㉑ DETOUR WEST 3 ↖

㉒ DETOUR WEST 3 ←

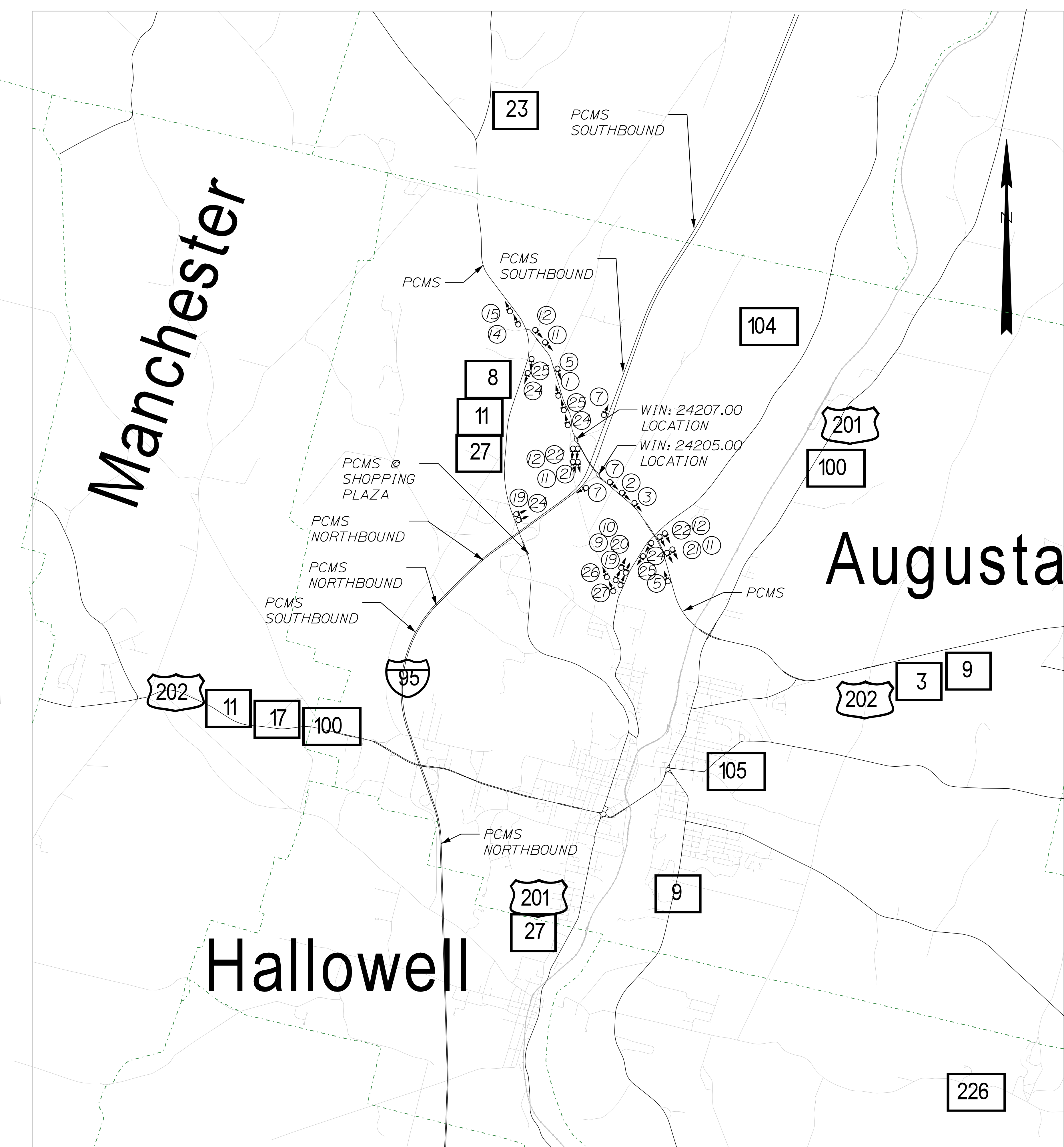
㉓ DETOUR EAST 3 ↑

㉔ DETOUR EAST 3 →

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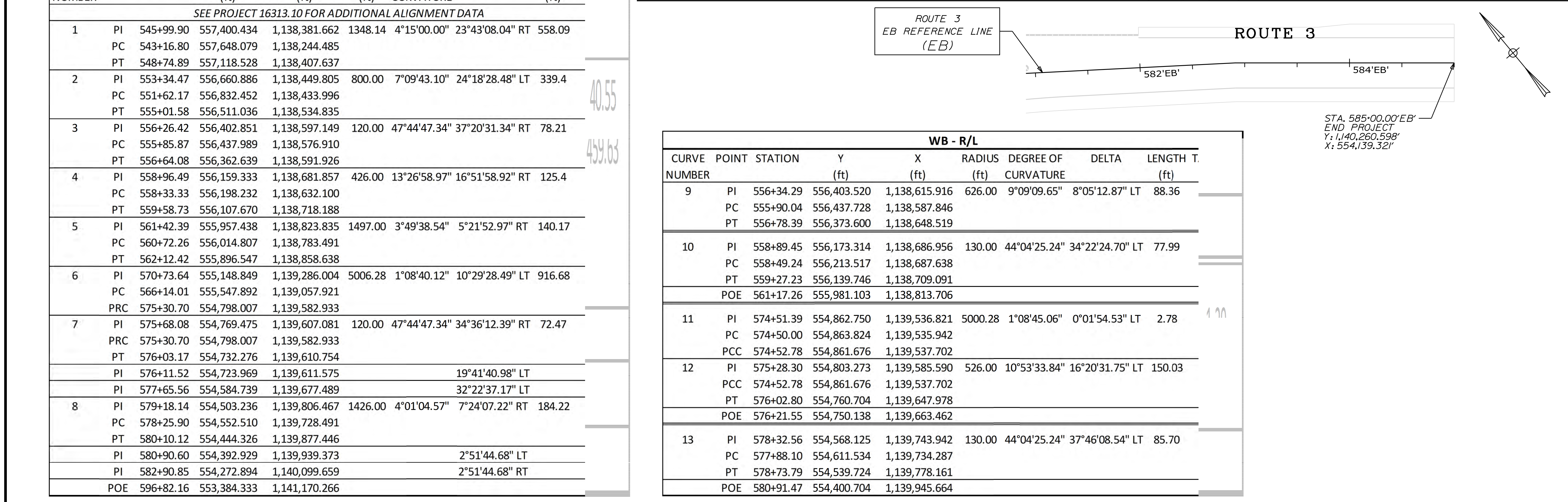
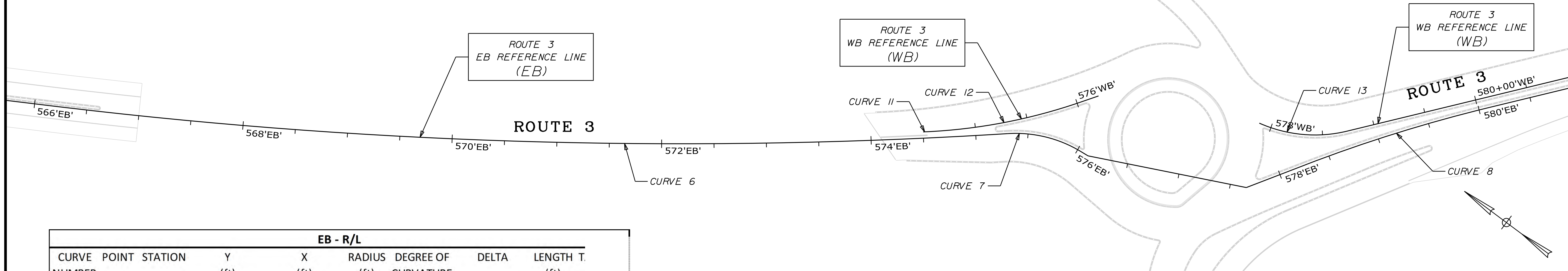
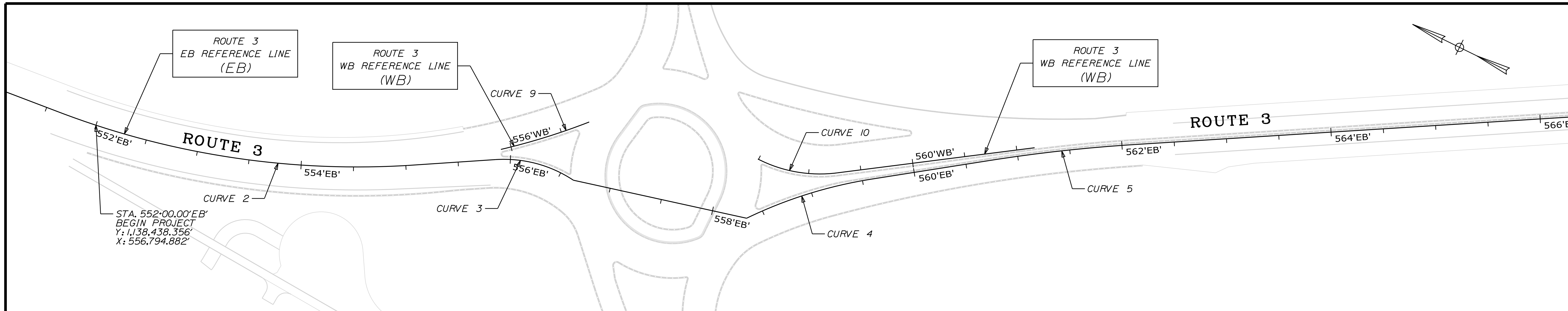
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㉗ DETOUR EAST 3 ←



STATE OF MAINE DEPARTMENT OF TRANSPORTATION		2420500	
PROJECT NUMBER		WIN 24205.00	
PROJECT TITLE		HIGHWAY PLANS	
PROJ. MANAGER	BY	DATE	
DESIGN-DETAILED	S. KELLY	03/17/22	
CHECKED-REVIEWED	D. COOMBS	03/17/22	SIGNATURE
DESIGN-DETAILED			P.E. NUMBER
DESIGN-DETAILED			DATE
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			
AUGUSTA ROUTE 3		DETOUR PLAN	
SHEET NUMBER		5	
		OF 11	

Filename: ... \24205_006_Geometric Plan.dgn Division: HIGHWAY Username: skelly Date: 3/11/2022



EB - R/L								
CURVE NUMBER	POINT	STATION	Y (ft)	X (ft)	RADIUS (ft)	DEGREE OF CURVATURE	DELTA	LENGTH T. (ft)
SEE PROJECT 16313.10 FOR ADDITIONAL ALIGNMENT DATA								
1	PI	545+99.90	557,400.434	1,138,381.662	1348.14	4°15'00.00"	23°43'08.04" RT	558.09
	PC	543+16.80	557,648.079	1,138,244.485				
	PT	548+74.89	557,118.528	1,138,407.637				
2	PI	553+34.47	556,660.886	1,138,449.805	800.00	7°09'43.10"	24°18'28.48" LT	339.4
	PC	551+62.17	556,832.452	1,138,433.996				
	PT	555+01.58	556,511.036	1,138,534.835				
3	PI	556+26.42	556,402.851	1,138,597.149	120.00	47°44'47.34"	37°20'31.34" RT	78.21
	PC	555+85.87	556,437.989	1,138,576.910				
	PT	556+64.08	556,362.639	1,138,591.926				
4	PI	558+96.49	556,159.333	1,138,681.857	426.00	13°26'58.97"	16°51'58.92" RT	125.4
	PC	558+33.33	556,198.232	1,138,632.100				
	PT	559+58.73	556,107.670	1,138,718.188				
5	PI	561+42.39	555,957.438	1,138,823.835	1497.00	3°49'38.54"	5°21'52.97" RT	140.17
	PC	560+72.26	556,014.807	1,138,783.491				
	PT	562+12.42	555,896.547	1,138,858.638				
6	PI	570+73.64	555,148.849	1,139,286.004	5006.28	1°08'40.12"	10°29'28.49" LT	916.68
	PC	566+14.01	555,547.892	1,139,057.921				
	PRC	575+30.70	554,798.007	1,139,582.933				
7	PI	575+68.08	554,769.475	1,139,607.081	120.00	47°44'47.34"	34°36'12.39" RT	72.47
	PRC	575+30.70	554,798.007	1,139,582.933				
	PT	576+03.17	554,732.276	1,139,610.754				
8	PI	576+11.52	554,723.969	1,139,611.575			19°41'40.98" LT	
	PI	577+65.56	554,584.739	1,139,677.489			32°22'37.17" LT	
	PI	579+18.14	554,503.236	1,139,806.467	1426.00	4°01'04.57"	7°24'07.22" RT	184.22
8	PC	578+25.90	554,552.510	1,139,728.491				
	PT	580+10.12	554,444.326	1,139,877.446				
	PI	580+90.60	554,392.929	1,139,939.373			2°51'44.68" LT	
8	PI	582+90.85	554,272.894	1,140,099.659			2°51'44.68" RT	
	POE	596+82.16	553,384.333	1,141,170.266				

WB - R/L								
CURVE NUMBER	POINT	STATION	Y (ft)	X (ft)	RADIUS (ft)	DEGREE OF CURVATURE	DELTA	LENGTH T. (ft)
9	PI	556+34.29	556,403.520	1,138,615.916	626.00	9°09'09.65"	8°05'12.87" LT	88.36
	PC	555+90.04	556,437.728	1,138,587.846				
	PT	556+78.39	556,373.600	1,138,648.519				
10	PI	558+89.45	556,173.314	1,138,686.956	130.00	44°04'25.24"	34°22'24.70" LT	77.99
	PC	558+49.24	556,213.517	1,138,687.638				
	PT	559+27.23	556,139.746	1,138,709.091				
	POE	561+17.26	555,981.103	1,138,813.706				
11	PI	574+51.39	554,862.750	1,139,536.821	5000.28	1°08'45.06"	0°01'54.53" LT	2.78
	PC	574+50.00	554,863.824	1,139,535.942				
	PCC	574+52.78	554,861.676	1,139,537.702				
12	PI	575+28.30	554,803.273	1,139,585.590	526.00	10°53'33.84"	16°20'31.75" LT	150.03
	PCC	574+52.78	554,861.676	1,139,537.702				
	PT	576+02.80	554,760.704	1,139,647.978				
	POE	576+21.55	554,750.138	1,139,663.462				
13	PI	578+32.56	554,568.125	1,139,743.942	130.00	44°04'25.24"	37°46'08.54" LT	85.70
	PC	577+88.10	554,611.534	1,139,734.287				
	PT	578+73.79	554,539.724	1,139,778.161				
	POE	580+91.47	554,400.704	1,139,945.664				

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
2420500
WIN
24205.00
HIGHWAY PLANS

PROJ. MANAGER	DATE
D. COOMBS	03/11/22

BY	DATE	SIGNATURE
S. KELLY	03/11/22	

P.E. NUMBER	DATE

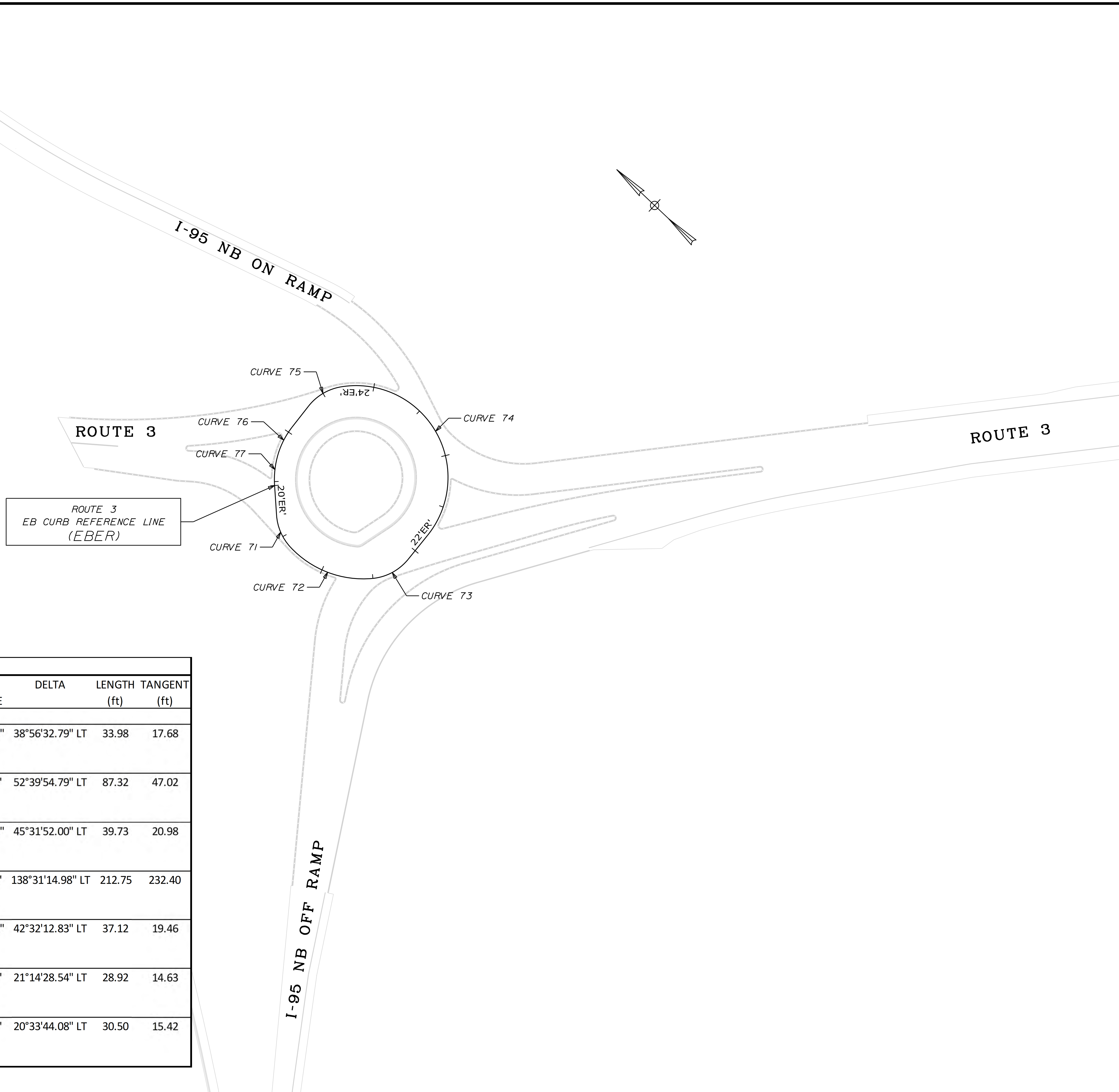
DESIGN-DETAILED	CHECKED-REVIEWED	DESIGN-DETAILED	REVISIONS 1	REVISIONS 2	REVISIONS 3	REVISIONS 4	FIELD CHANGES
	DCC						

6

AUGUSTA
ROUTE 3
SHEET NUMBER

GEOMETRIC PLAN
OF 11

ER - R/L										
CURVE NUMBER	POINT	STATION	Y (ft)	X (ft)	RADIUS (ft)	DEGREE OF CURVATURE	DELTA	LENGTH TANGENT (ft)	TANGENT (ft)	
	POB	20+00.00	554,723.969	1,139,611.575						
71	PI	20+45.96	554,690.239	1,139,580.353	50.00	114°35'29.61"	38°56'32.79" LT	33.98	17.68	
	PC	20+28.28	554,703.212	1,139,592.361						
	PCC	20+62.27	554,672.601	1,139,579.167						
72	PI	21+09.29	554,625.688	1,139,576.013	95.00	60°18'40.85"	52°39'54.79" LT	87.32	47.02	
	PCC	20+62.27	554,672.601	1,139,579.167						
	PCC	21+49.59	554,594.729	1,139,611.402						
73	PI	21+70.57	554,580.913	1,139,627.194	50.00	114°35'29.61"	45°31'52.00" LT	39.73	20.98	
	PCC	21+49.59	554,594.729	1,139,611.402						
	PT	21+89.32	554,582.505	1,139,648.116						
74	PI	24+51.18	554,602.367	1,139,909.219	88.00	65°06'31.83"	138°31'14.98" LT	212.75	232.40	
	PC	22+18.78	554,584.739	1,139,677.489						
	PCC	24+31.53	554,742.646	1,139,723.931						
75	PI	24+51.00	554,754.394	1,139,708.414	50.00	114°35'29.61"	42°32'12.83" LT	37.12	19.46	
	PCC	24+31.53	554,742.646	1,139,723.931						
	PT	24+68.65	554,752.560	1,139,689.038						
76	PI	25+08.97	554,748.760	1,139,648.901	78.00	73°27'22.06"	21°14'28.54" LT	28.92	14.63	
	PC	24+94.34	554,750.138	1,139,663.462						
	PCC	25+23.26	554,742.200	1,139,635.828						
77	PI	25+38.68	554,735.284	1,139,622.048	85.00	67°24'24.48"	20°33'44.08" LT	30.50	15.42	
	PCC	25+23.26	554,742.200	1,139,635.828						
	PT	25+53.77	554,723.969	1,139,611.575						



STATE OF MAINE DEPARTMENT OF TRANSPORTATION		2420500		WIN 24205.00		HIGHWAY PLANS	
AUGUSTA ROUTE 3		GEOMETRIC PLAN		SHEET NUMBER 8		OF 11	
PROJ. MANAGER	D. COOMBS	BY	S. KELLY	DATE	03/11/22	SIGNATURE	P.E. NUMBER
DESIGN-DETAILED		CHECKED-REVIEWED	DCC	DATE	03/11/22		
DESIGN-DETAILED2		DESIGN-DETAILED2					
REVISIONS 1		REVISIONS 1					
REVISIONS 2		REVISIONS 2					
REVISIONS 3		REVISIONS 3					
REVISIONS 4		REVISIONS 4					
FIELD CHANGES							

PAVEMENT MARKING LEGEND

2SYL	TWO SOLID YELLOW LINES (4")
SYL	SOLID YELLOW LINE (4")
SWL	SOLID WHITE LINES (4")
BWL	BROKEN WHITE LINE 10' LINE 30' GAP(4")
RWEL	18" ROUNDABOUT EDGE LINE 2' LINE 4' GAP-SEE PAVEMENT MARKING NOTE 3
DWL39RA	DOTTED WHITE LINE 3' LINE 9' GAP (6") WITHIN ROUNDABOUT SEE PAVEMENT MARKING NOTE 3
DWL39	DOTTED WHITE LINE 3' LINE 9' GAP (6")
STOP BAR	STOP BAR (24")
YCH	CROSS HATCHING YELLOW (12")
YCW	CROSS HATCHING WHITE (12")

NOTE: SEE TRAFFIC ENGINEERING STRIPING AND STENCILING HANDBOOK FOR FURTHER DETAILS ON PAVEMENT MARKINGS.

SIGN LOCATION NOTES

- SIGN LOCATION 1:** EXISTING OVERHEAD SIGNS WILL REMAIN. A NEW SINGLE ARROW SIGN WILL BE INSTALLED OVER THE EXISTING ARROWS AND BOLTED INTO THE EXISTING SIGN.
- SIGN LOCATION 2:** EXISTING OVERHEAD SIGNS WILL REMAIN. A NEW SINGLE ARROW SIGN WILL BE INSTALLED OVER THE EXISTING ARROWS AND BOLTED INTO THE EXISTING SIGN.
- SIGN LOCATION 3:** EXISTING POST MOUNTED SIGN WILL BE REMOVED AND REPLACED TO REMOVE THE CENTER LEFT/THRU SIGN. NEW SIGN SHALL BE MOUNTED ON THE EXISTING POST.
- SIGN LOCATION 4:** EXISTING POST MOUNTED SIGN WILL BE REMOVED AND REPLACED TO MODIFY THE LEFT/THRU PORTION OF THE SIGN TO LEFT ONLY. THE NEW SIGN SHALL BE INSTALLED ON THE EXISTING POST.
- SIGN LOCATION 5:** EXISTING POST MOUNTED SIGN OUTSIDE OF THE LIMITS OF THE PLAN SHEET WILL BE REMOVED AND REPLACED TO MODIFY THE THRU/RIGHT PORTION OF THE SIGN TO RIGHT ONLY. THE NEW SIGN SHALL BE INSTALLED ON THE EXISTING POST. LOCATION WILL BE IDENTIFIED BY THE RESIDENT.

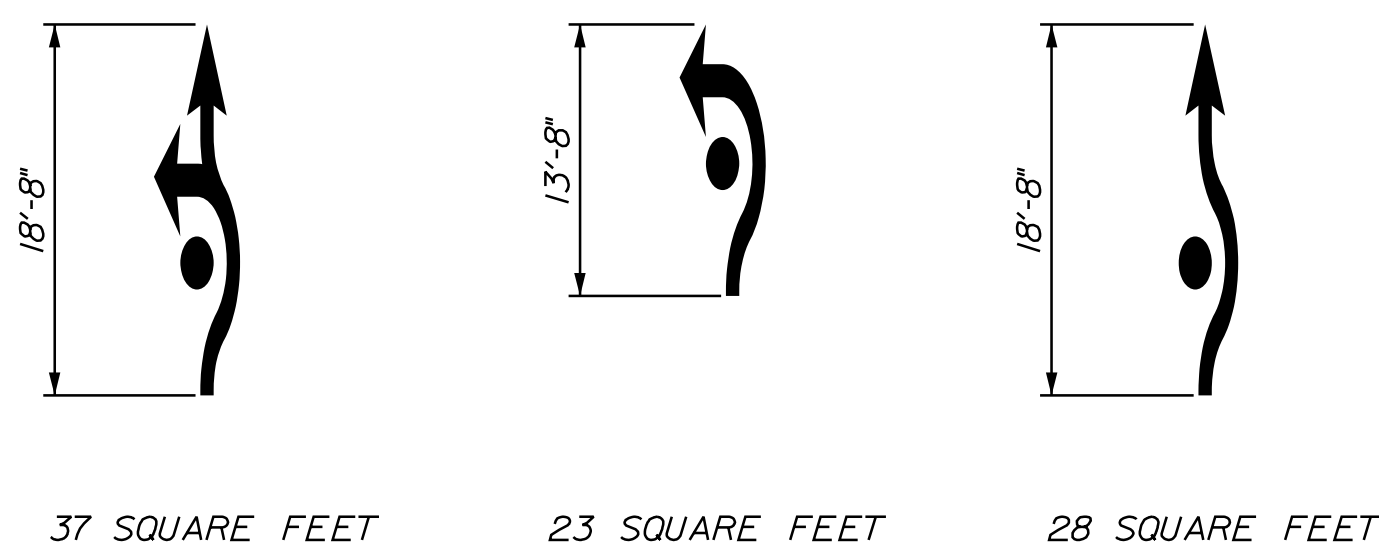
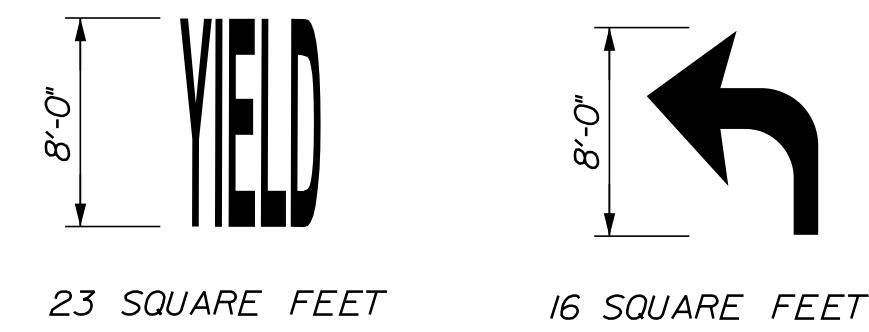
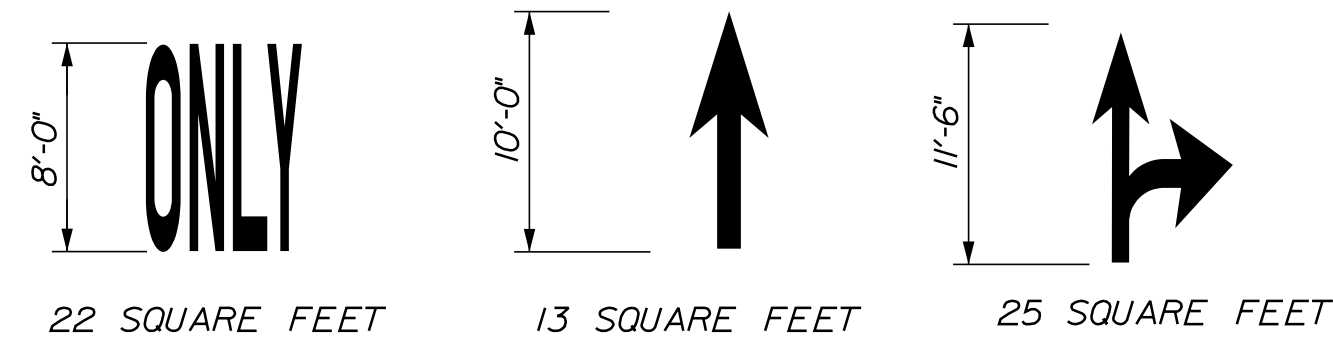
PAVEMENT MARKING NOTES:

- ALL PAVEMENT MARKINGS SHALL BE IN CONFORMANCE WITH THE MANUAL ON TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, U.S. DOT, FHWA, 2009 EDITION, WITH THE LATEST REVISIONS.
- ALL PAVEMENT MARKING LINES, ARROWS, AND WORD SYMBOLS SHALL BE PAINT AND SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE WITH MAINE DOT STANDARD SPECIFICATION 627.
- ALL RWEL AND DWL39RA MARKINGS WITHIN THE ROUNDABOUT SHALL BE RECESSED POLYUREA PAVEMENT MARKINGS PER SPECIAL PROVISION 627. PAYMENT SHALL BE MADE UNDER ITEM NO. 627.30 FOR GROOVING OF THE PAVEMENT MARKINGS AND EITHER ITEM 627.745 OR 627.751 FOR THE POLYUREA PAVEMENT MARKINGS.

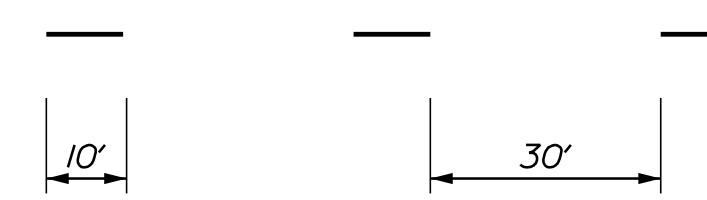
SIGNING NOTES

- ALL EXISTING SIGNS SHALL BE SALVAGED TO BECOME THE PROPERTY OF MAINE DOT AND DELIVERED TO THE REGION 2 OFFICE AT 66 INDUSTRIAL DRIVE, AUGUSTA, ME.
- ALL EXISTING SIGNS ARE ASSUMED TO BE 36"x48" SIGNS UNLESS OTHERWISE NOTED.
- ALL NEW SIGNS WILL BE PROVIDED BY THE DEPARTMENT.

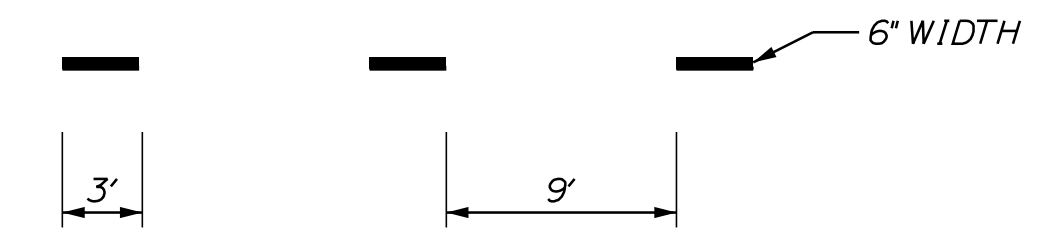
LANE MARKING DETAILS
NOT TO SCALE



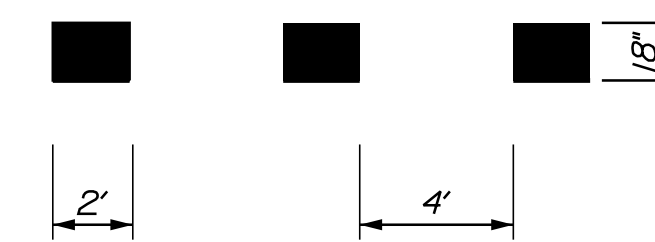
BWL DETAIL
NOT TO SCALE



DWL39 DETAIL
NOT TO SCALE



RWEL DETAIL
NOT TO SCALE



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
2420500
WIN
24205.00
HIGHWAY PLANS

DATE: 03/17/22
SIGNATURE:
P.E. NUMBER:
DATE:

PROJ. MANAGER	D. COOMBS	BY	S. KELLY	DATE	03/17/22
DESIGN-DETAILED					
CHECKED-REVIEWED			DCC		
DESIGN-DETAILED					
DESIGN-DETAILED					
REVISIONS 1					
REVISIONS 2					
REVISIONS 3					
REVISIONS 4					
FIELD CHANGES					

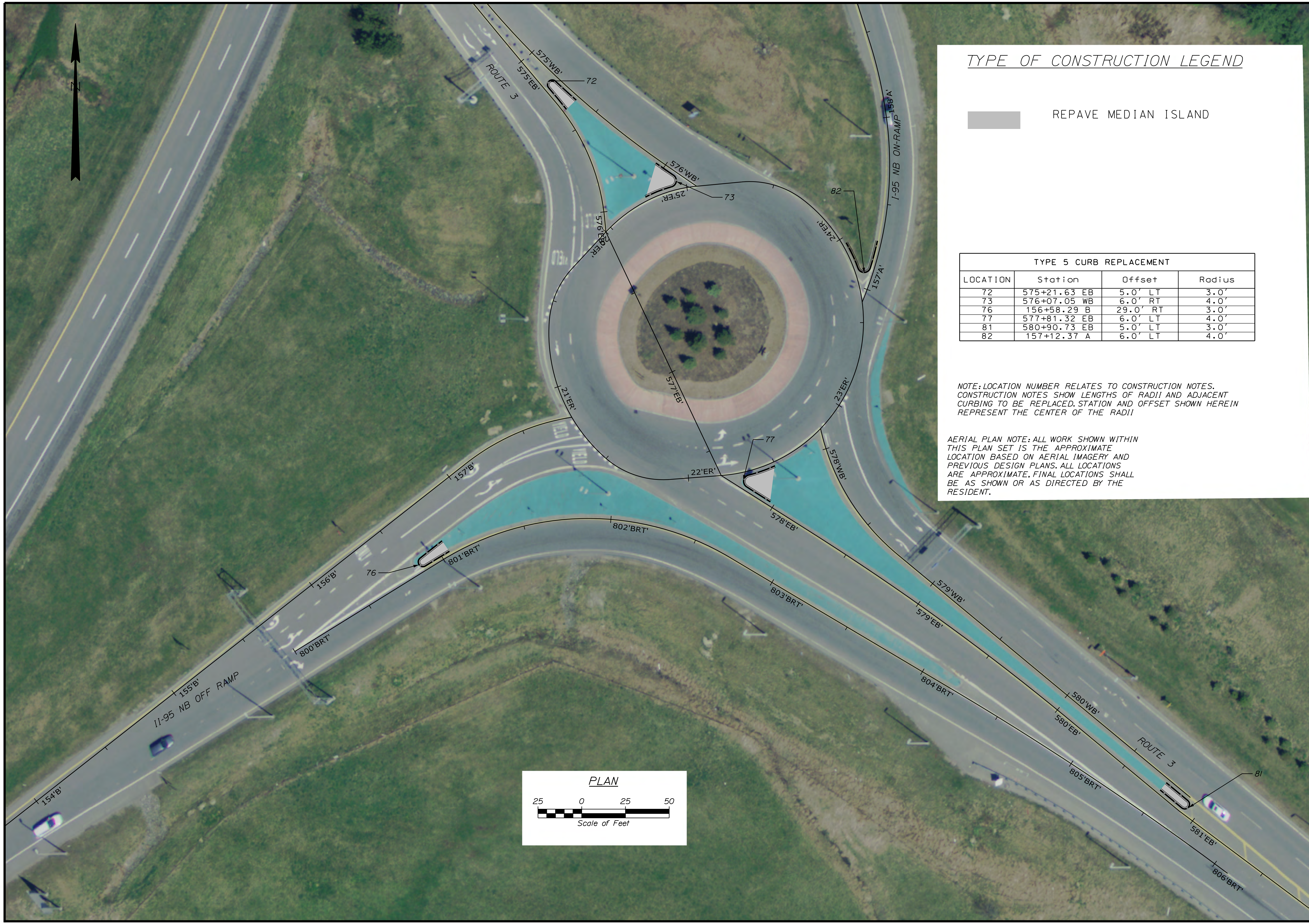
AUGUSTA
ROUTE 3
PAVEMENT MARKING DETAILS

SHEET NUMBER
10
OF 11

Date: 3/17/2022

Username: skelly

Filename: ... \24205_010_Pavement Marking Details.dgn



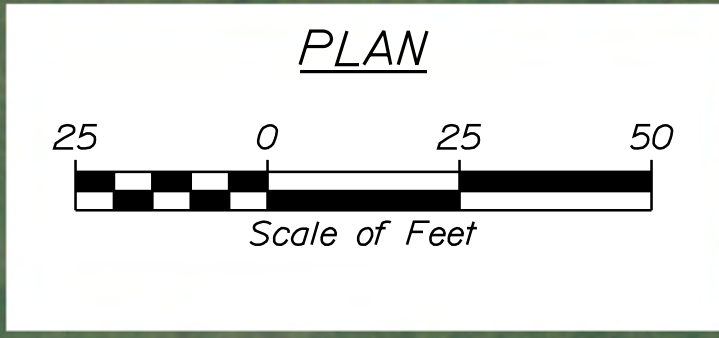
TYPE OF CONSTRUCTION LEGEND

REPAVE MEDIAN ISLAND

TYPE 5 CURB REPLACEMENT			
LOCATION	Station	Offset	Radius
72	575+21.63 EB	5.0' LT	3.0'
73	576+07.05 WB	6.0' RT	4.0'
76	156+58.29 B	29.0' RT	3.0'
77	577+81.32 EB	6.0' LT	4.0'
81	580+90.73 EB	5.0' LT	3.0'
82	157+12.37 A	6.0' LT	4.0'

NOTE: LOCATION NUMBER RELATES TO CONSTRUCTION NOTES. CONSTRUCTION NOTES SHOW LENGTHS OF RADII AND ADJACENT CURBING TO BE REPLACED. STATION AND OFFSET SHOWN HEREIN REPRESENT THE CENTER OF THE RADII

AERIAL PLAN NOTE: ALL WORK SHOWN WITHIN THIS PLAN SET IS THE APPROXIMATE LOCATION BASED ON AERIAL IMAGERY AND PREVIOUS DESIGN PLANS. ALL LOCATIONS ARE APPROXIMATE. FINAL LOCATIONS SHALL BE AS SHOWN OR AS DIRECTED BY THE RESIDENT.



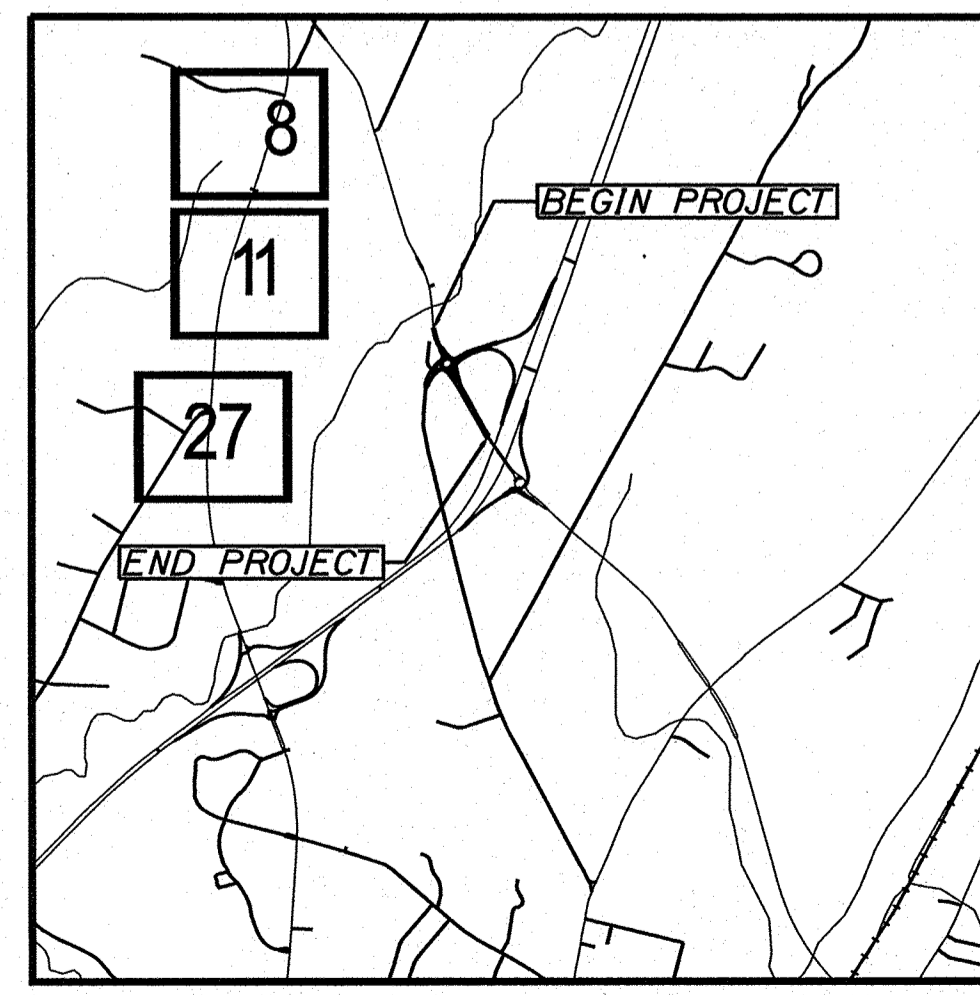
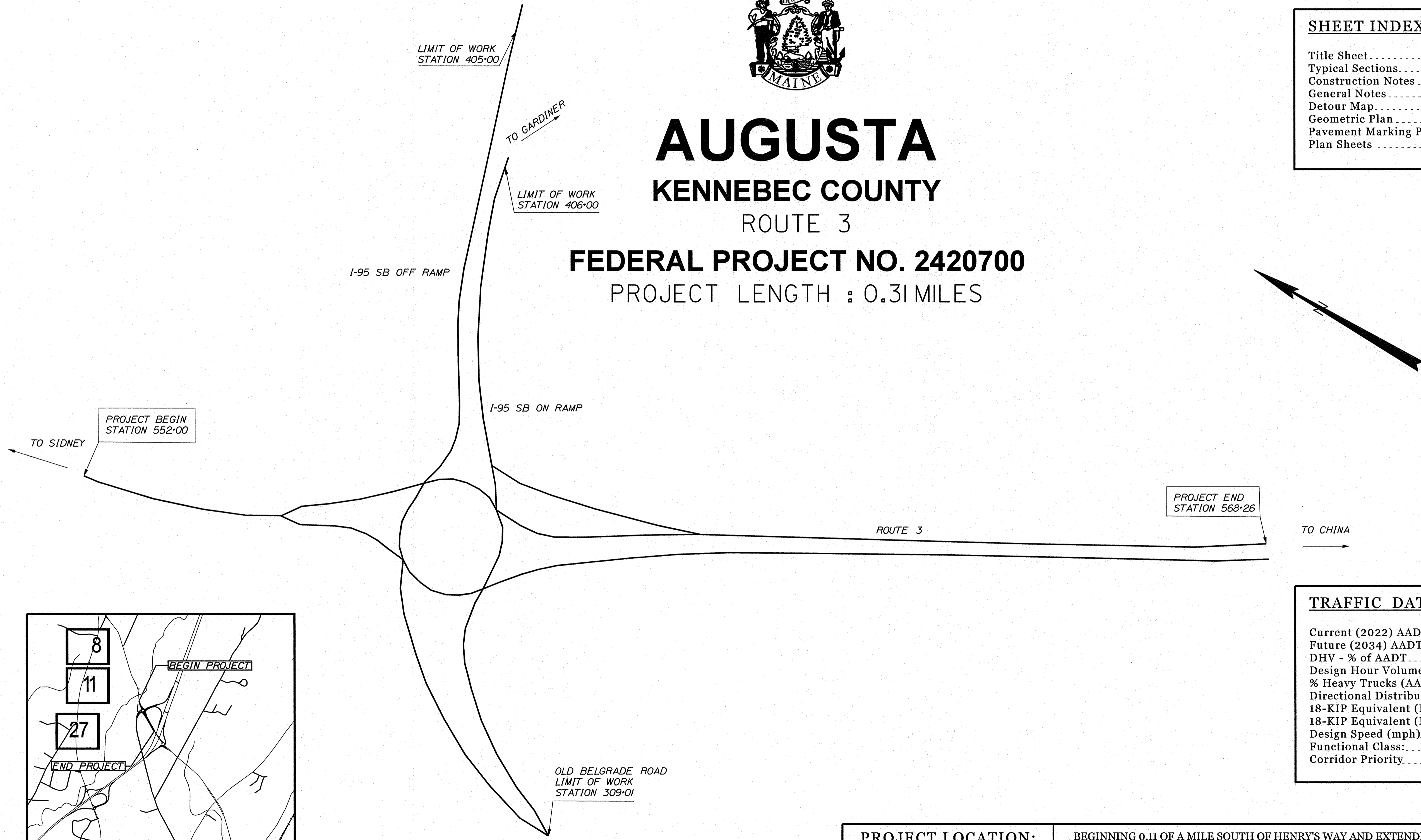
STATE OF MAINE		DEPARTMENT OF TRANSPORTATION	
2420500		WIN 24205.00	
HIGHWAY PLANS			
PROJ. MANAGER	D. COOMBS	BY	S. KELLY
CHECKED-REVIEWED		DATE	03/11/22
DESIGN DETAILED			03/11/22
DESIGN REVIEWED			
DESIGN DETAILED			
DESIGN REVIEWED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			
AUGUSTA		ROUTE 3	
GENERAL PLAN		SHEET NUMBER	
11		11	
OF 11			

STATE OF MAINE DEPARTMENT OF TRANSPORTATION



AUGUSTA KENNEBEC COUNTY ROUTE 3

FEDERAL PROJECT NO. 2420700
PROJECT LENGTH : 0.31 MILES



SHEET INDEX	
Title Sheet	1
Typical Sections	2
Construction Notes	3
General Notes	4
Detour Map	5
Geometric Plan	6-8
Pavement Marking Plan	9-10
Plan Sheets	11

TRAFFIC DATA	
Current (2022) AADT	7040
Future (2034) AADT	7870
DHV - % of AADT	13%
Design Hour Volume	1023
% Heavy Trucks (AADT)	4%
Directional Distribution (DHV)	100%
18-KIP Equivalent (P2.0)	400
18-KIP Equivalent (P2.5)	381
Design Speed (mph)	35
Functional Class:	Minor Arterial
Corridor Priority	2

PROJECT LOCATION:	BEGINNING 0.11 OF A MILE SOUTH OF HENRY'S WAY AND EXTENDING SOUTH 0.31 OF A MILE.
PROGRAM AREA:	HIGHWAY PROGRAM
SCOPE OF WORK:	1½" MILL & FILL SAFETY PROJECT

STATE OF MAINE DEPARTMENT OF TRANSPORTATION	APPROVED	DATE
COMMISSIONER:	<i>[Signature]</i>	3-22-22
CHIEF ENGINEER:	<i>[Signature]</i>	3-22-2022

SIGNATURE: *[Signature]*
 P.E. NUMBER: 13864
 DATE: 3/19/22

PROJECT INFORMATION	
PROGRAM	HIGHWAY
PROJECT MANAGER	DOLIC COOMBS
DESIGNER	DEAN ROWLANDS
CONSULTANT	
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	

WIN 24207.00 FEDERAL PROJECT 2420700

AUGUSTA
ROUTE 3
TITLE SHEET

SHEET NUMBER
1
OF 11

Filename: ... \00\HIGHWAY\MSTA\001_Title.dgn
 Division: HIGHWAY
 Username: Kyle.MacDonald
 Date: 3/10/2022

Date: 3/11/2022

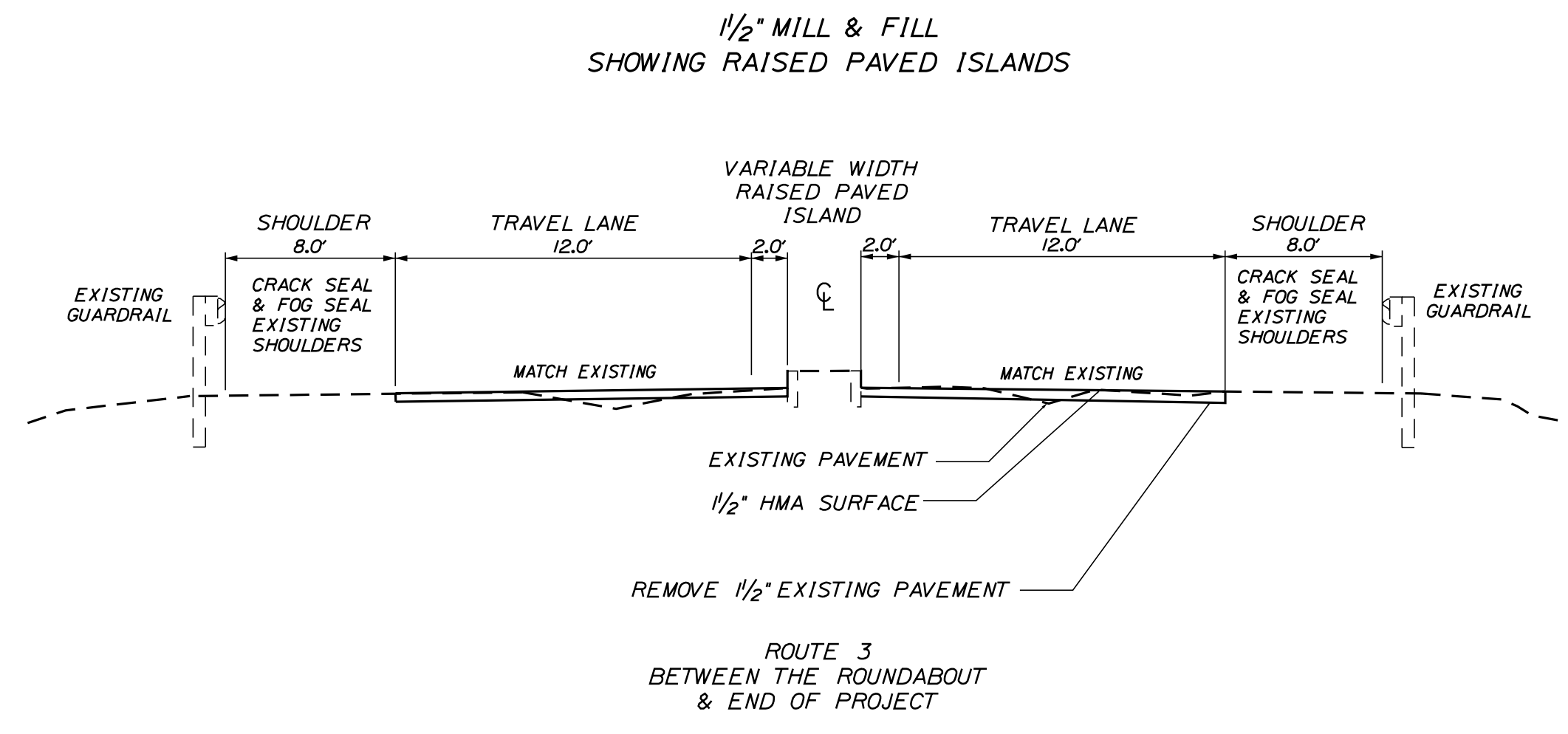
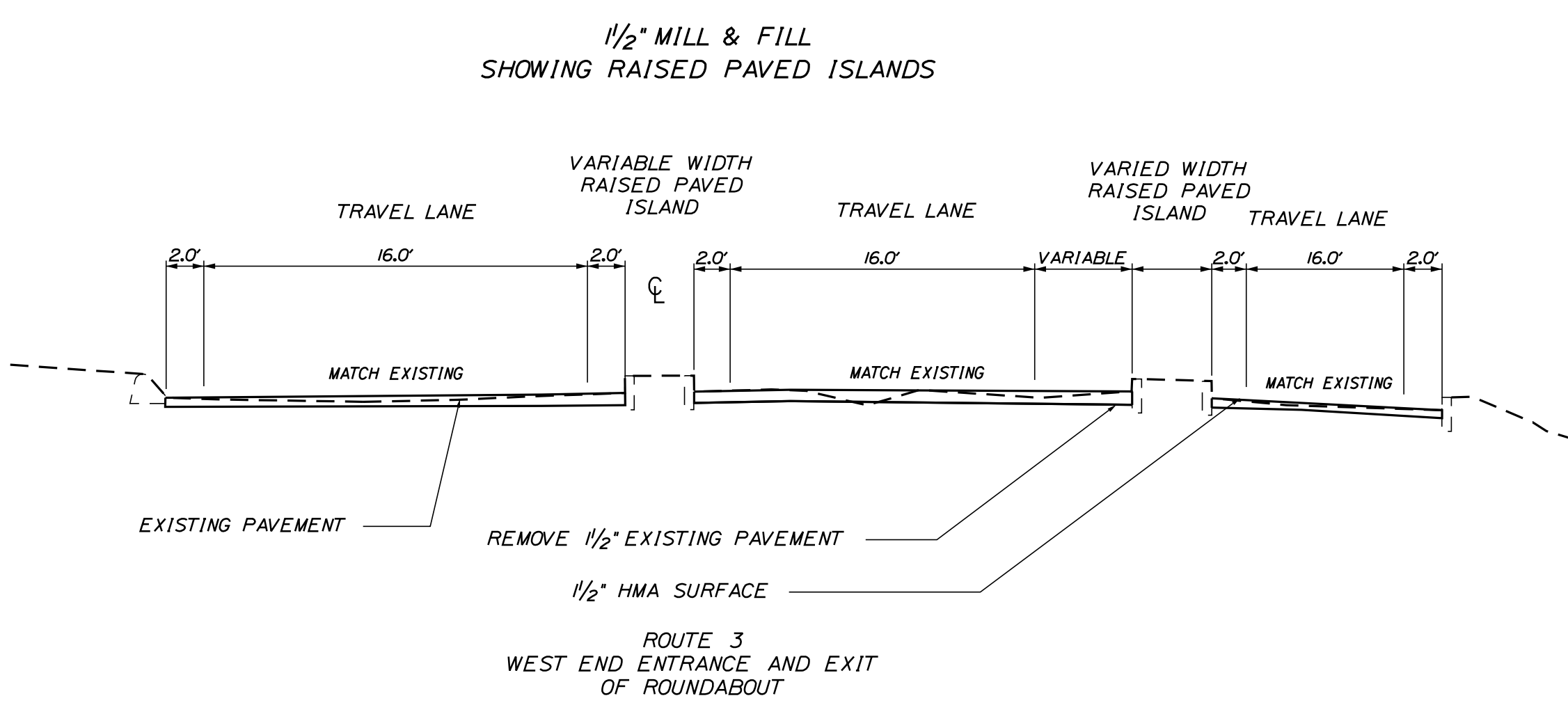
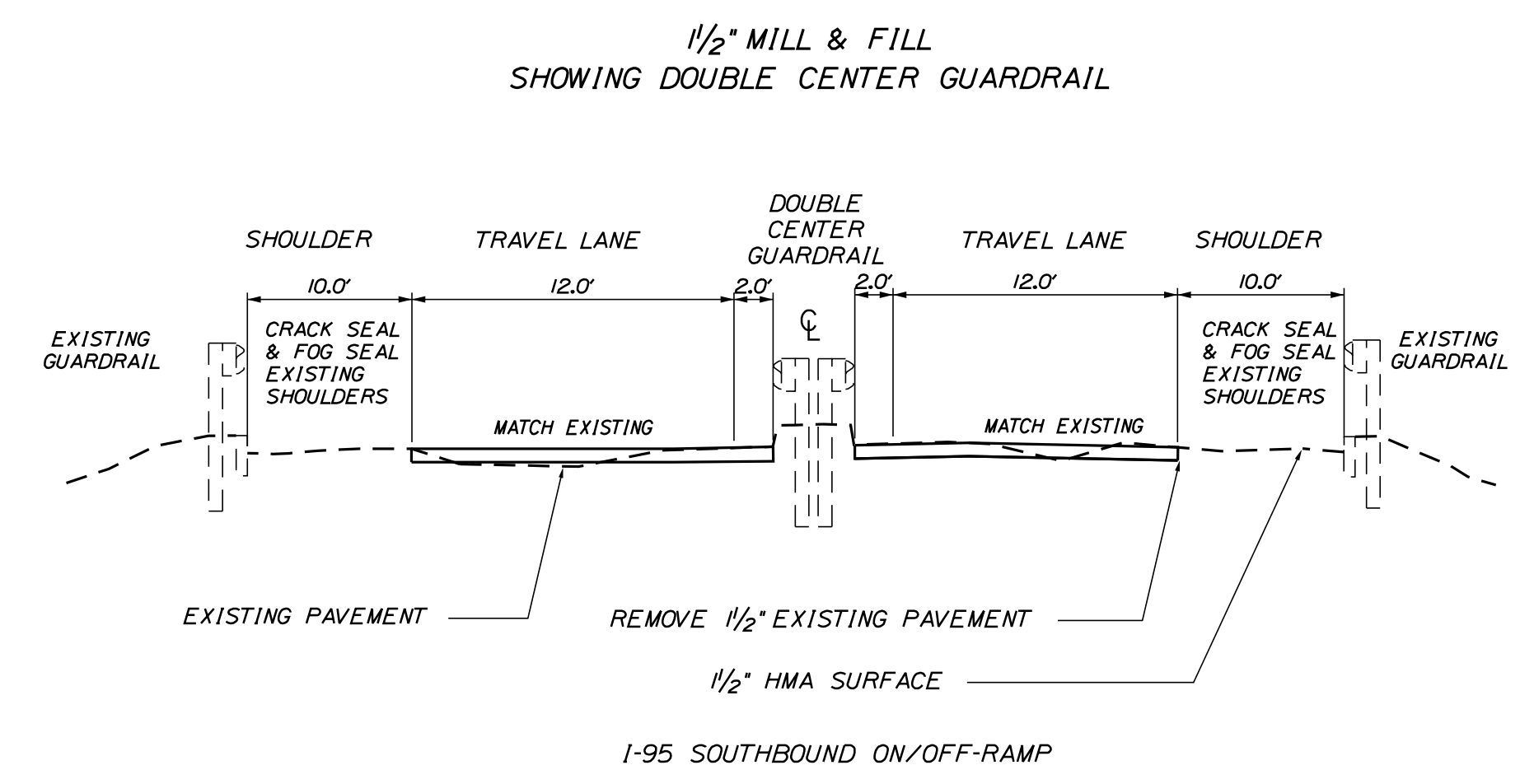
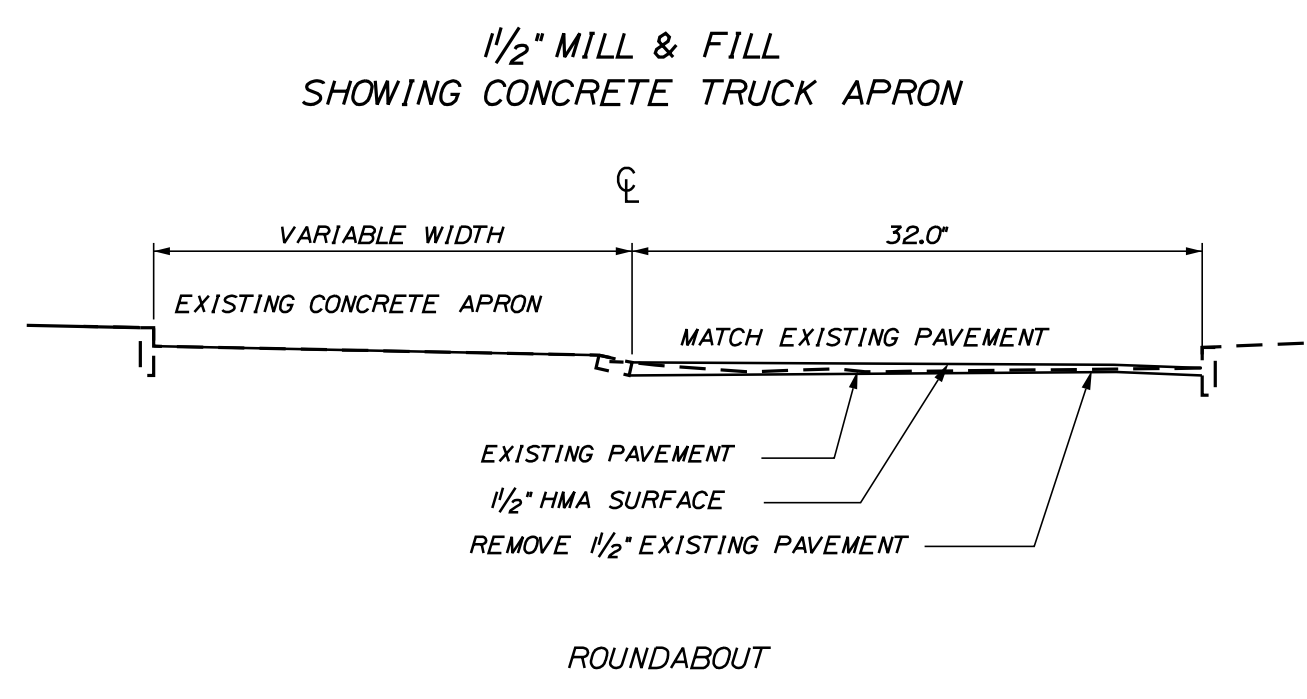
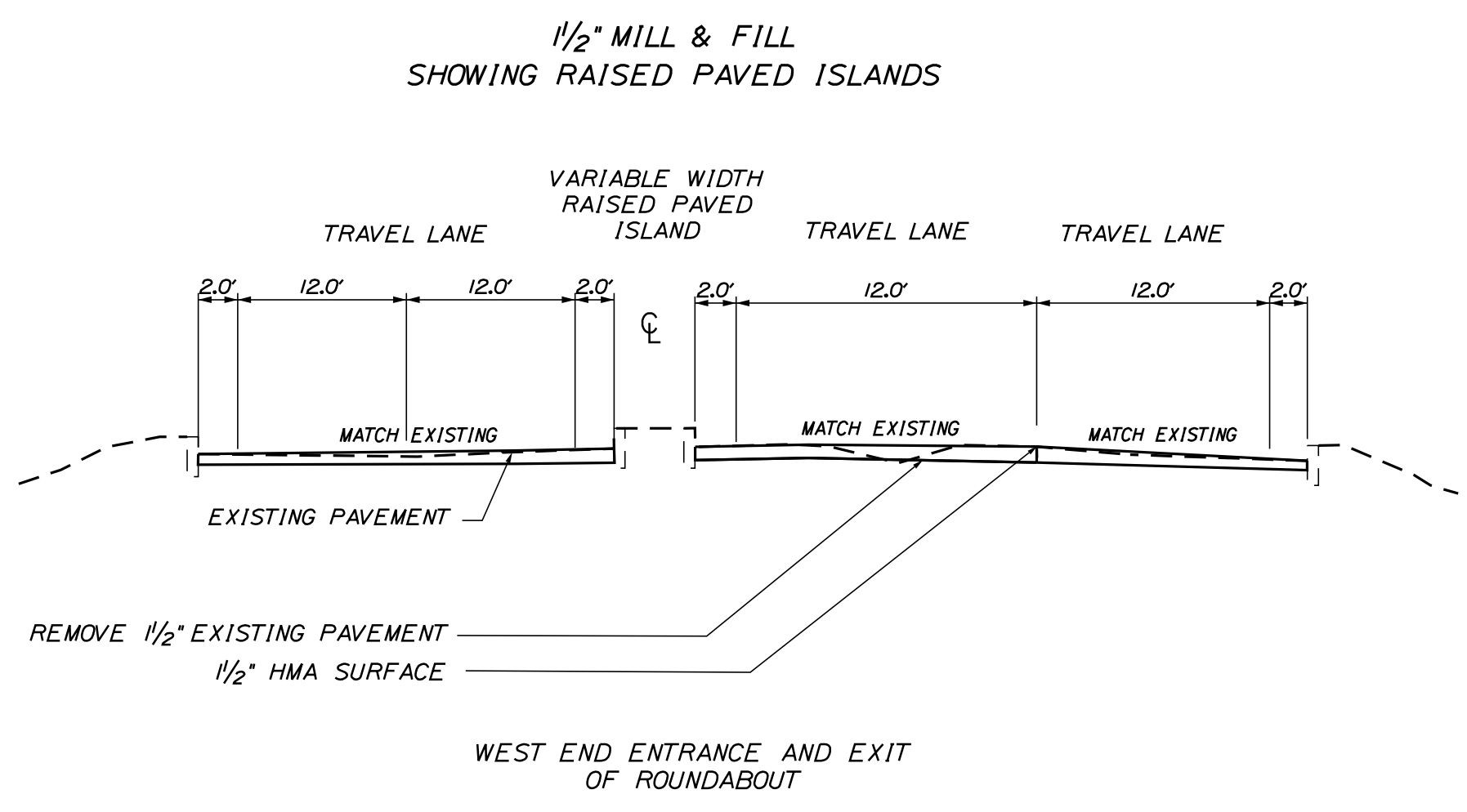
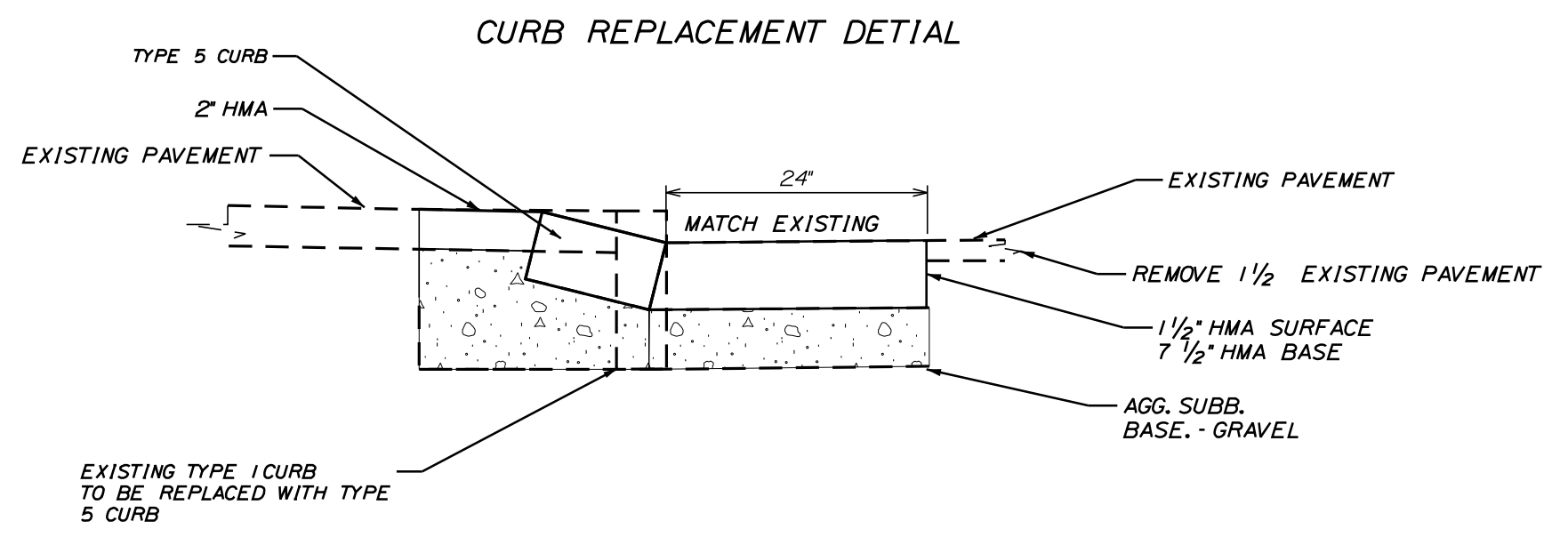
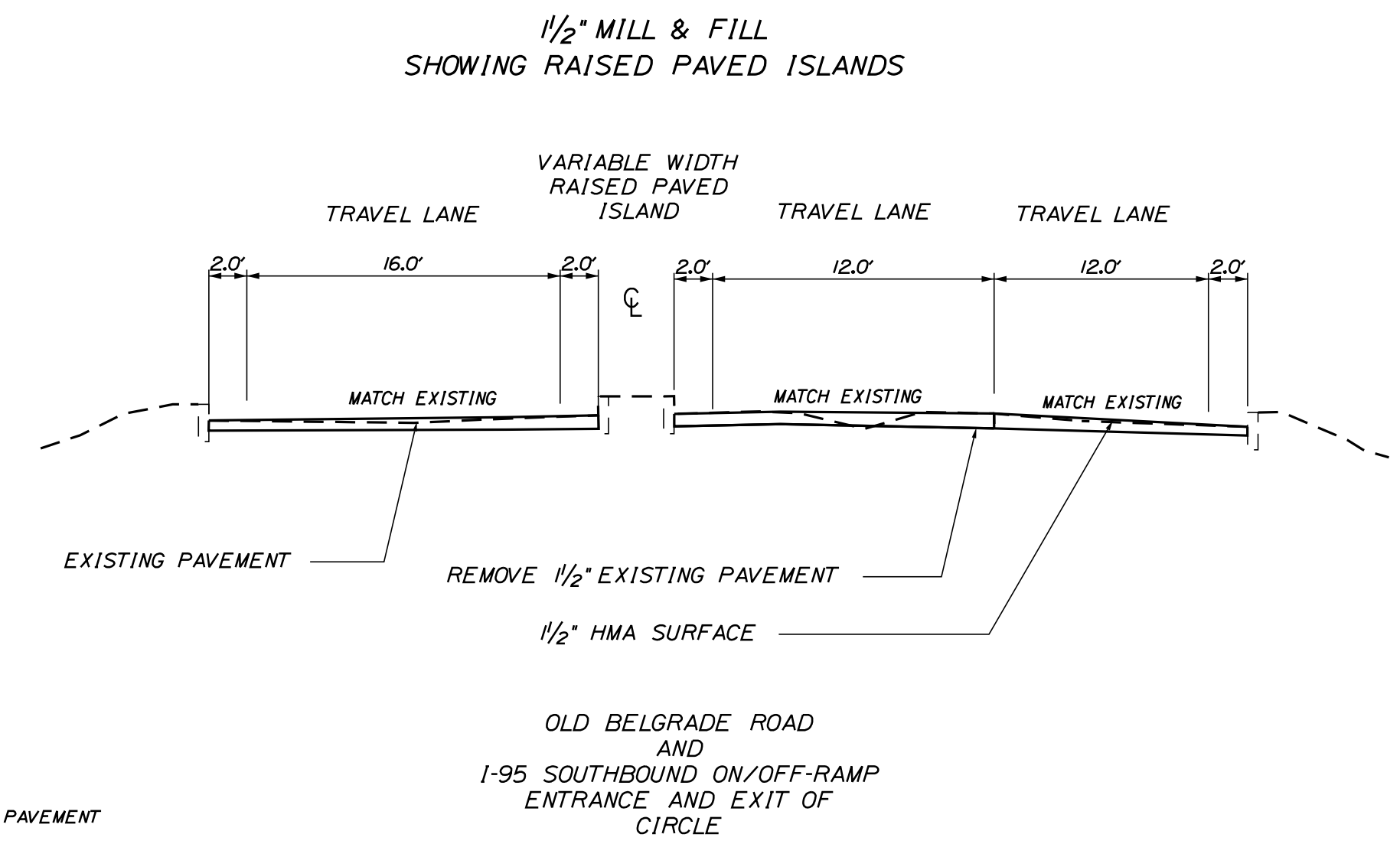
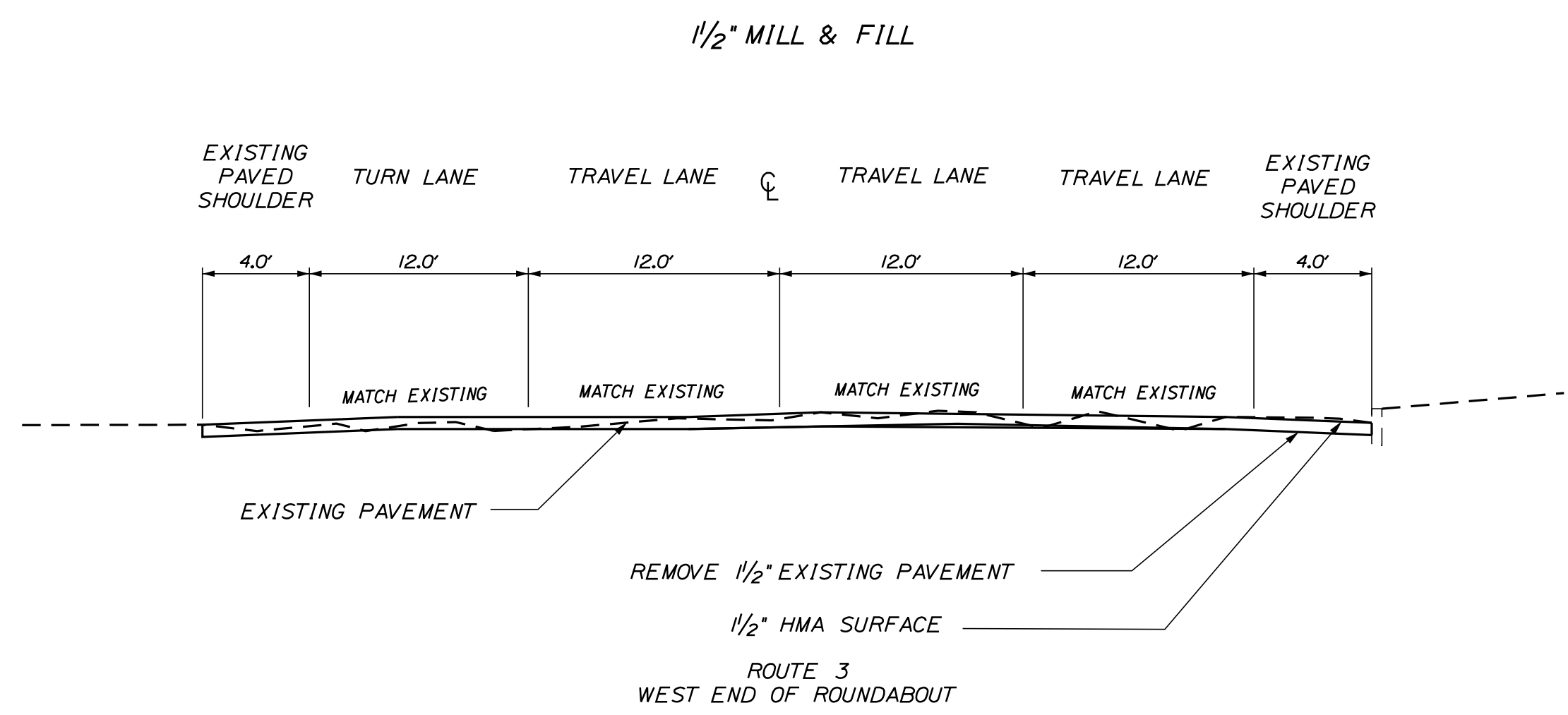
Username: Kyle.MacDonald

Division: HIGHWAY

Filename: ... \HIGHWAY\MSTA\002_Typical.dgn

PROJ. MANAGER	DESIGN-DETAILED	CHECKED-REVIEWED	DESIGN-DETAILED	DESIGN-DETAILED	REVISIONS 1	REVISIONS 2	REVISIONS 3	REVISIONS 4	FIELD CHANGES
DOUGLAS COMBES	DEAN ROWLANDS								
BY	DATE	SIGNATURE	P.E. NUMBER	DATE					

AUGUSTA
ROUTE 3
TYPICAL SECTIONS



NOT TO SCALE

Date: 3/11/2022

Username: Kyle.MacDonald

Division: HIGHWAY

Filename: ... \003_Notes Construction.dgn

202.2023 REMOVING PAVEMENT SURFACE-MEDIUM CUT DRUM

REMOVE 1 1/2" PAVEMENT SURFACE MAINLINE AND SHOULDERS THAT ARE LESS THAN 4 FEET WIDE INCLUDING RAMPS AS DIRECTED.

PAVEMENT MILLINGS BECOME THE PROPERTY OF THE CONTRACTOR.

304.10 AGGREGATE SUBBASE COURSE - GRAVEL

TO BE USED FOR THE DETOUR AT CHAREST LANE

403.209 HOT MIX ASPHALT 9.5 MM (SIDEWALKS, DRIVES, ISLANDS, & INCIDENTALS)

TO BE USED TO REPAVE ISLANDS WHERE EXISTING CURB IS REPLACED.

403.213 HOT MIX ASPHALT 12.5MM BASE

TO BE USED TO REPAVE AROUND THE NEW CURB INSTALLATIONS.

410.151 EMULSIFIED ASPHALT SEALCOAT, APPLIED

TO BE USED ON SHOULDERS THAT ARE NOT MILLED OR REPAVED

424.22 ASPHALT RUBBER CRACK SEALER TYPE 2, APPLIED

TO BE USED ON SHOULDERS THAT ARE NOT MILLED OR REPAVED

609.26 CURB TRANSITION SECTION B TYPE 1

TO BE INSTALLED TO CONNECT THE NEW TYPE 5 CURB AT THE NOSE OF THE ISLAND TO THE EXISTING TYPE 1 CURB.

LOCATION	LEFT	RIGHT
#47	1 EA	1 EA
#51	1 EA	1 EA
#7	1 EA	1 EA
#42	1 EA	1 EA
#9	1 EA	1 EA
#12	1 EA	1 EA
#14	1 EA	1 EA
#3	1 EA	1 EA
#2	1 EA	1 EA
#5	1 EA	1 EA

609.34 CURB TYPE 5

TO BE INSTALLED TO REPLACE EXISTING TYPE 1 CURB AT THE NOSE OF THE ISLAND

LOCATION	LEFT	RIGHT
#47	8.0'	8.0'
#51	8.0'	8.0'
#7	8.0'	8.0'
#42	8.0'	8.0'
#9	8.0'	8.0'
#12	8.0'	8.0'
#14	8.0'	8.0'
#3	8.0'	8.0'
#2	8.0'	8.0'
#5	8.0'	8.0'

609.35 CURB TYPE 5 - CIRCULAR

TO BE INSTALLED TO REPLACE EXISTING TYPE 1 CURB AT THE NOSE OF THE ISLAND

LOCATION	RADIUS	LENGTH
#47	4.0'	12.0'
#51	2.0'	5.0'
#7	4.0'	9.0'
#42	2.0'	6.0'
#9	3.0'	9.0'
#12	4.0'	9.0'
#14	2.25'	7.0'
#3	4.0'	9.0'
#2	4.0'	9.0'
#5	4.0'	9.0'

627.78 TEMPORARY 4 INCH PAINTED PAVEMENT MARKING LINE, WHITE OR YELLOW

TEMPORARY CENTER LINES AND EDGE LINES SHALL BE PAINTED ON ALL MATCHED PAVEMENT WITHIN ONE WEEK.

MULTILANE SECTIONS, TRUCK LANES, AND MILLED SURFACES MUST BE STRIPED DAILY ON ALL MATCHED PAVEMENT LAYERS.

TEMPORARY LINES WILL REQUIRE ONE COAT ON THE MILLED SURFACE AND ONE COAT ON THE SHIM LAYER.

627.733 WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE

CENTER LINES AND EDGE LINES SHALL BE PAINTED ON ALL MATCHED PAVEMENT WITHIN ONE WEEK. CENTER LINE TOMS MAY BE UTILIZED UNTIL FINAL STRIPING AND WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

MULTILANE SECTIONS AND TRUCK LANES MUST BE STRIPED DAILY ON ALL MATCHED PAVEMENT LAYERS.

PRIOR TO FINAL MARKING LINE APPLICATION ON SURFACE COURSE, THE CONTRACTOR SHALL CONFIRM AND RECEIVE APPROVAL FOR MARKING LINE LAYOUT FROM THE DEPARTMENT.

627.745 6 INCH WHITE OR YELLOW POLYUREA PAVEMENT MARKING LINE (RECESSED) & 627.751 WHITE OR YELLOW POLYUREA PAVEMENT MARKING (RECESSED) & 627.30 GROOVING FOR PAVEMENT MARKING

SEE PLAN SHEET FOR LOCATIONS OF THE PAVEMENT MARKING AND GRINDING.

PRIOR TO FINAL MARKING LINE APPLICATION ON SURFACE COURSE, THE CONTRACTOR SHALL CONFIRM AND RECEIVE APPROVAL FOR MARKING LINE LAYOUT FROM THE DEPARTMENT.

629 & 631 ITEMS

THESE ITEMS TO BE USED TO CONSTRUCT DETOUR AT CHAREST LANE AND AS DIRECTED.

THE DEPARTMENT WILL SUPPLY THE TEMPORARY CULVERTS. INSTALL AND REMOVAL WILL BE PAID FOR UNDER EQUIPMENT RENTAL. THE LOCATION WILL BE NOTED ON THE PLAN.

THE REMOVE AND REINSTALLATION OF WOOD FENCE WILL BE PAID FOR UNDER EQUIPMENT RENTAL.

645.106 DEMOUNT REGULATORY, WARNING, CONFIRMATION AND ROUTE MARKER ASSEMBLY SIGN

MAINEDOT WILL SUPPLY NEW SIGNS, THE CONTRACTOR WILL DEMOUNT EXISTING SIGNS.

SEE PLAN SHEET FOR LOCATIONS.

645.116 REINSTALL REGULATORY, WARNING, CONFIRMATION AND ROUTE MARKER ASSEMBLY SIGN

MAINEDOT WILL SUPPLY NEW SIGNS, THE CONTRACTOR WILL INSTALL NEW SIGNS.

SEE PLAN SHEET FOR LOCATIONS.

658.20 ACRYLIC LATEX COLOR FINISH, GREEN

TO BE USED TO REPAINT ISLAND NOSES WHERE CURB IS TO BE REPLACED.

STATE OF MAINE		DEPARTMENT OF TRANSPORTATION		2420700		WIN		24207.00		HIGHWAY PLANS	
AUGUSTA		ROUTE 3		CONSTRUCTION NOTES		SHEET NUMBER		3		OF 11	
PROJ. MANAGER	DESIGN-DETAILED	CHECKED-REVIEWED	DESIGN-DETAILED	REVISIONS 1	REVISIONS 2	REVISIONS 3	REVISIONS 4	FIELD CHANGES	DATE	BY	DATE
DESIGN-DETAILED	DESIGN-DETAILED	DESIGN-DETAILED	DESIGN-DETAILED	DESIGN-DETAILED	DESIGN-DETAILED	DESIGN-DETAILED	DESIGN-DETAILED	DESIGN-DETAILED	SIGNATURE	P.E. NUMBER	DATE

GENERAL NOTES

1. PAVEMENT THICKNESSES SHOWN ON THE TYPICAL SECTIONS ARE INTENDED TO BE NOMINAL.
2. 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.
3. WHERE DEEMED NECESSARY BY THE RESIDENT, UNSUITABLE EXCESS MATERIAL SHALL BE REMOVED FROM THE EDGES OF SHOULDERS AND PLACED IN DESIGNATED AREAS OR DISPOSED OF. PAYMENT WILL BE MADE UNDER THE APPROPRIATE CONTRACT ITEMS.
4. THE CONTRACTOR SHALL PLACE SUITABLE EXISTING OR OTHER MATERIAL ACCEPTABLE TO THE RESIDENT ON ALL PAVEMENT EDGES TO ALLOW A DROP OFF NO GREATER THAN THE SURFACE PAVEMENT THICKNESS. THE MATERIAL SHALL BE GRADED TO MATCH THE EXISTING INSLOPE OR AS DIRECTED BY THE RESIDENT BEFORE SURFACE IS PLACED. THE CONTRACTOR WILL BE PAID UNDER APPROPRIATE EQUIPMENT RENTAL ITEMS. BORROW IS NOT AUTHORIZED UNTIL ALL ACCEPTABLE WASTE MATERIAL HAS BEEN UTILIZED. SEED AND MULCH WILL BE PAID FOR AT THE CONTRACT UNIT PRICE.
5. 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.
6. ANY NECESSARY CLEANING OF EXISTING PAVEMENT PRIOR TO PAVING (OR MILLING) SHALL BE INCIDENTAL TO THE RELATED PAVING (OR MILLING) ITEMS. THIS INCLUDES KILLING AND REMOVAL OF ALL VEGETATIVE MATTER.
7. WHEN SUPERELEVATION EXCEEDS THE SLOPE OF THE LOW-SIDE SHOULDER, THE LOW-SIDE SHOULDER WILL HAVE SAME SLOPE AS THE TRAVELWAY.
8. CROSS SLOPES FOR NORMAL AND SUPERELEVATED SECTIONS WILL BE STRAIGHT UNLESS OTHERWISE DIRECTED BY THE DEPARTMENT.
9. THE ALGEBRAIC DIFFERENCE BETWEEN TRAVELWAY AND SHOULDER CROSS SLOPE SHALL NOT EXCEED 8 PERCENT.
10. NO EXISTING DRAINAGE SHALL BE ABANDONED, REMOVED OR PLUGGED WITHOUT PRIOR APPROVAL OF THE RESIDENT.
11. 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.
12. IN AREAS WHERE CURB TYPE 1 WILL BE RESET, THE EXISTING CURB SUITABLE FOR USE AS TERMINAL ENDS SHALL BE CUT, IF NECESSARY, AND UTILIZED AS SUCH AND WILL BE PAID FOR UNDER STANDARD SPECIFICATIONS ITEM 609.38, RESET CURB TYPE 1. REQUIRED CUTTING WILL BE PAID UNDER FORCE ACCOUNT PROCEDURES.
13. 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.
14. ACRYLIC LATEX COLOR FINISH GREEN (STANDARD SPECIFICATIONS ITEM 658.20, ACRYLIC LATEX COLOR FINISH) SHALL BE PLACED ON ALL PAVED ISLANDS.
15. 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.
16. 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.
17. 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.

18. PLANS OF PREVIOUSLY CONSTRUCTED PROJECTS ARE AVAILABLE ON REQUEST.
19. 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.
20. UNDETERMINED LOCATIONS SHALL BE DETERMINED BY THE RESIDENT.
21. STATIONS REFERENCED ARE APPROXIMATE.
22. 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.
23. 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.

Date: 3/11/2022

Username: Kyle.MacDonald

Division: HIGHWAY

Filename: ... \MSTA\004_Notes_General.dgn

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

2420700

WIN
24207.00

HIGHWAY PLANS

SIGNATURE
P.E. NUMBER
DATE

PROJ. MANAGER	DESIGN-DETAILED	CHECKED-REVIEWED	DESIGN-DETAILED	DESIGN-DETAILED	REVISIONS 1	REVISIONS 2	REVISIONS 3	REVISIONS 4	FIELD CHANGES







AUGUSTA
ROUTE 3







GENERAL NOTES


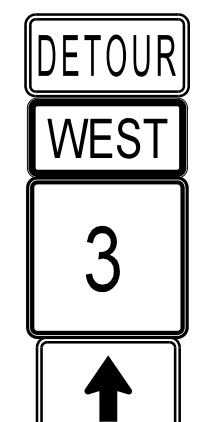
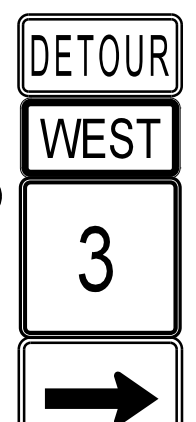
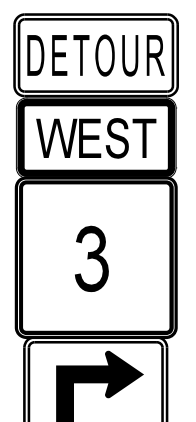
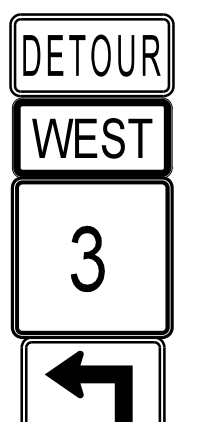

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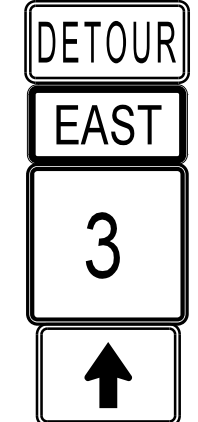
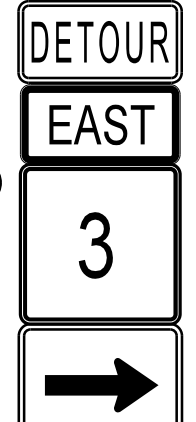
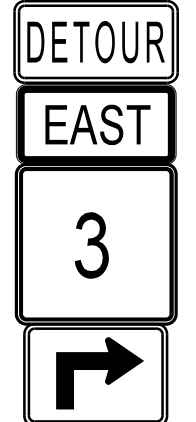
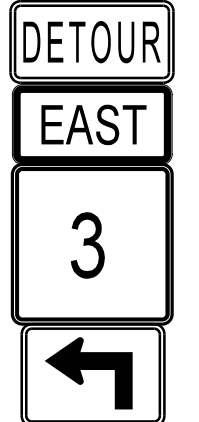
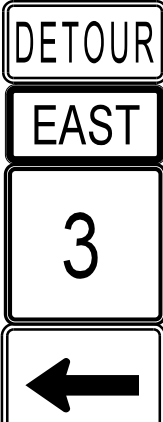
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OF 11


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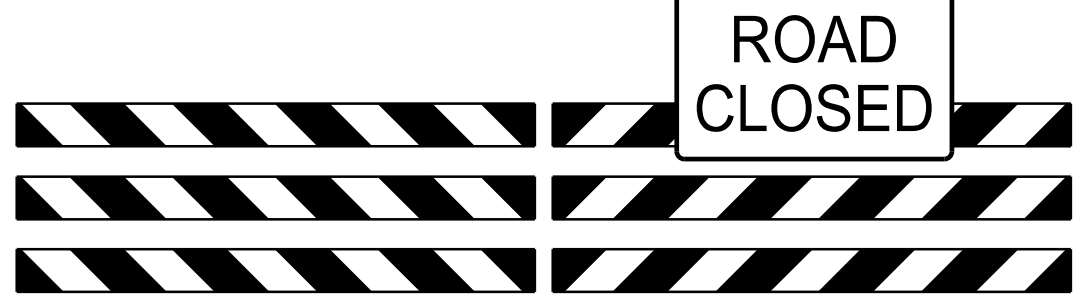
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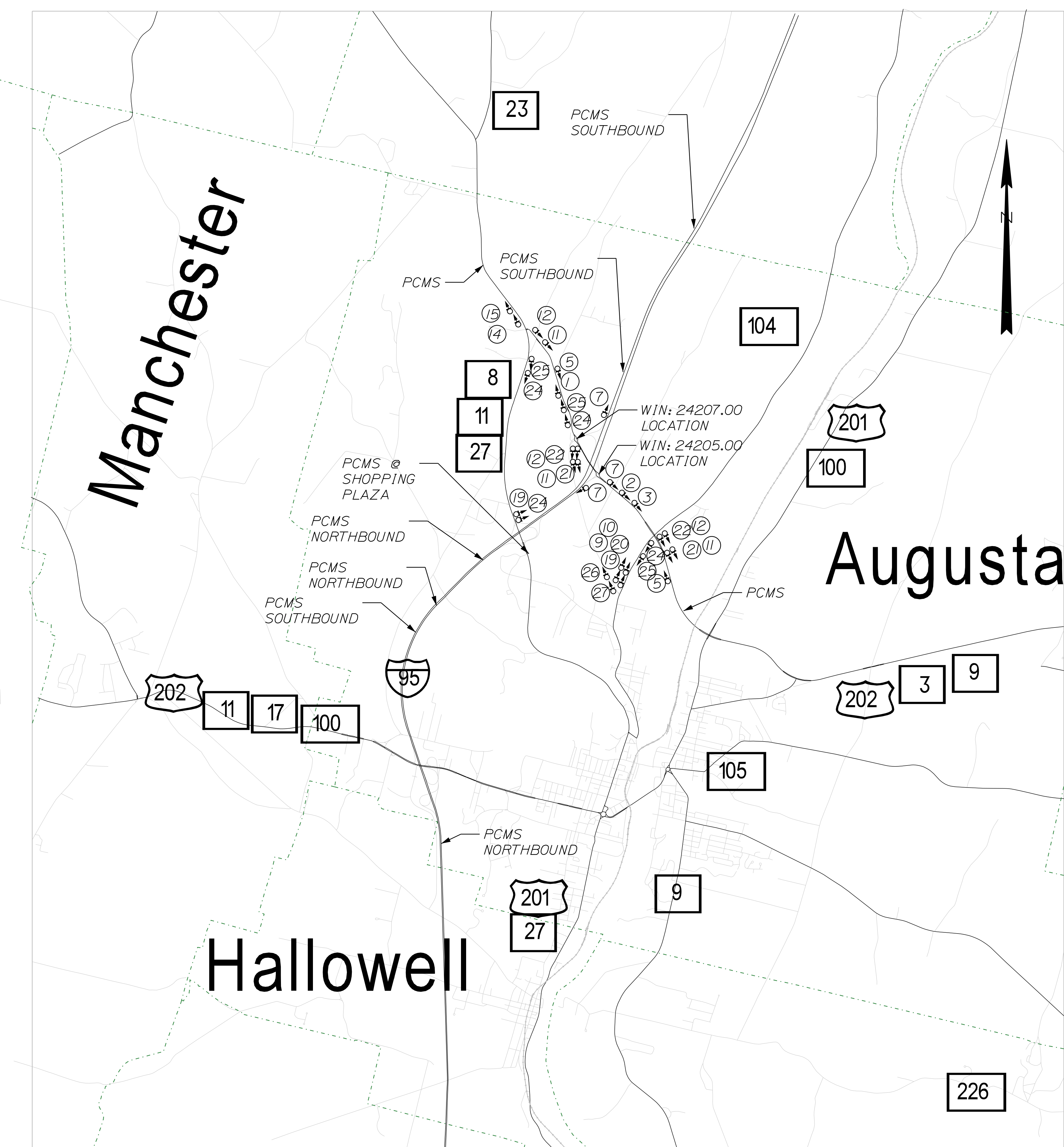
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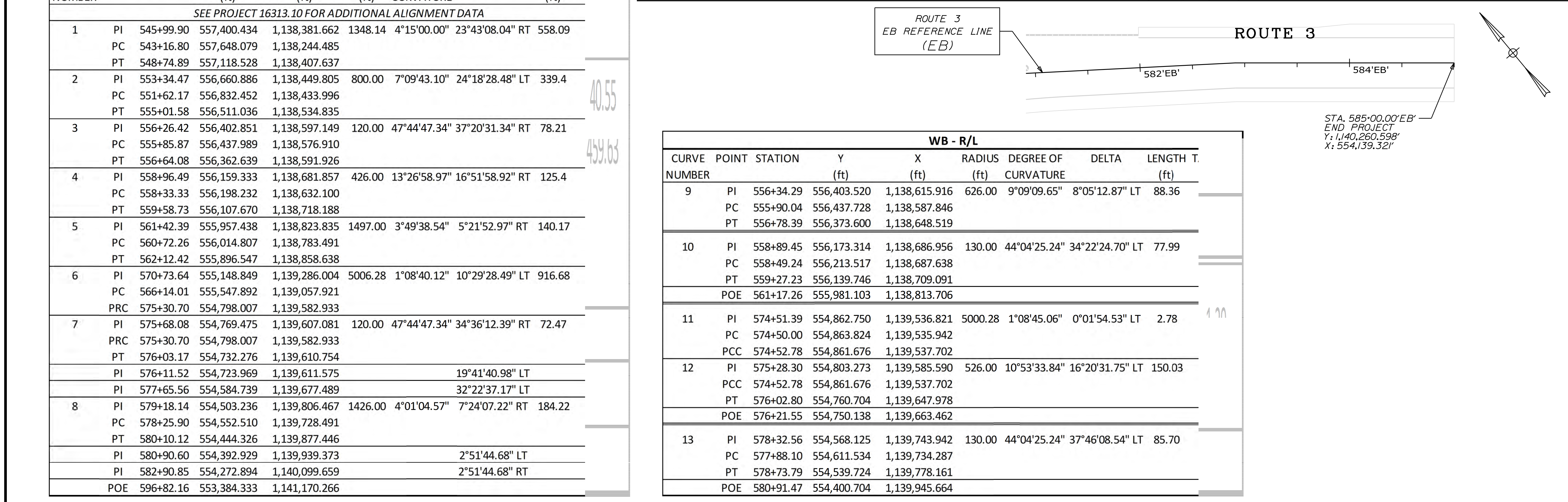
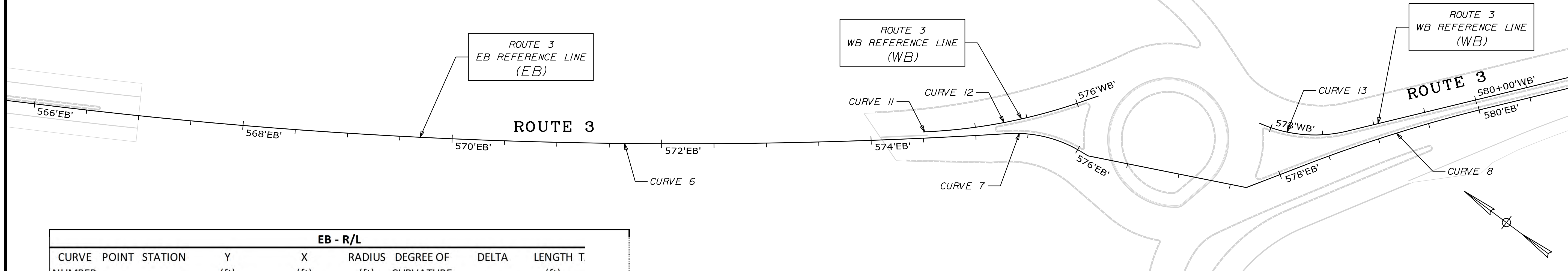
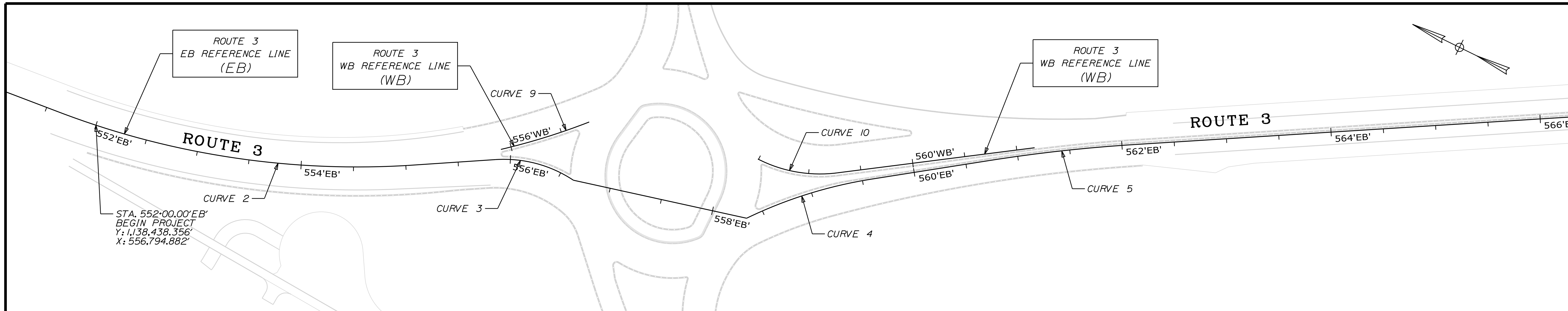
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STATE OF MAINE DEPARTMENT OF TRANSPORTATION		2420700	
AUGUSTA ROUTE 3		DETOUR PLAN	
SHEET NUMBER		5	
OF 11		HIGHWAY PLANS	
PROJ. MANAGER	BY	DATE	
DESIGN-DETAILED	S. KELLY	03/17/22	
CHECKED-REVIEWED	D. COOMBS	03/17/22	SIGNATURE
DESIGN-DETAILED			P.E. NUMBER
DESIGN-DETAILED			DATE
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

Date: 3/11/2022
 Username: skelly
 Division: HIGHWAY
 Filename: ... \24207_006_Geometric Plan.dgn



EB - R/L								
CURVE NUMBER	POINT	STATION	Y (ft)	X (ft)	RADIUS (ft)	DEGREE OF CURVATURE	DELTA	LENGTH T. (ft)
SEE PROJECT 16313.10 FOR ADDITIONAL ALIGNMENT DATA								
1	PI	545+99.90	557,400.434	1,138,381.662	1348.14	4°15'00.00"	23°43'08.04" RT	558.09
	PC	543+16.80	557,648.079	1,138,244.485				
	PT	548+74.89	557,118.528	1,138,407.637				
2	PI	553+34.47	556,660.886	1,138,449.805	800.00	7°09'43.10"	24°18'28.48" LT	339.4
	PC	551+62.17	556,832.452	1,138,433.996				
	PT	555+01.58	556,511.036	1,138,534.835				
3	PI	556+26.42	556,402.851	1,138,597.149	120.00	47°44'47.34"	37°20'31.34" RT	78.21
	PC	555+85.87	556,437.989	1,138,576.910				
	PT	556+64.08	556,362.639	1,138,591.926				
4	PI	558+96.49	556,159.333	1,138,681.857	426.00	13°26'58.97"	16°51'58.92" RT	125.4
	PC	558+33.33	556,198.232	1,138,632.100				
	PT	559+58.73	556,107.670	1,138,718.188				
5	PI	561+42.39	555,957.438	1,138,823.835	1497.00	3°49'38.54"	5°21'52.97" RT	140.17
	PC	560+72.26	556,014.807	1,138,783.491				
	PT	562+12.42	555,896.547	1,138,858.638				
6	PI	570+73.64	555,148.849	1,139,286.004	5006.28	1°08'40.12"	10°29'28.49" LT	916.68
	PC	566+14.01	555,547.892	1,139,057.921				
	PRC	575+30.70	554,798.007	1,139,582.933				
7	PI	575+68.08	554,769.475	1,139,607.081	120.00	47°44'47.34"	34°36'12.39" RT	72.47
	PRC	575+30.70	554,798.007	1,139,582.933				
	PT	576+03.17	554,732.276	1,139,610.754				
8	PI	576+11.52	554,723.969	1,139,611.575			19°41'40.98" LT	
	PI	577+65.56	554,584.739	1,139,677.489			32°22'37.17" LT	
	PI	579+18.14	554,503.236	1,139,806.467	1426.00	4°01'04.57"	7°24'07.22" RT	184.22
8	PC	578+25.90	554,552.510	1,139,728.491				
	PT	580+10.12	554,444.326	1,139,877.446				
	PI	580+90.60	554,392.929	1,139,939.373			2°51'44.68" LT	
8	PI	582+90.85	554,272.894	1,140,099.659			2°51'44.68" RT	
	POE	596+82.16	553,384.333	1,141,170.266				

WB - R/L								
CURVE NUMBER	POINT	STATION	Y (ft)	X (ft)	RADIUS (ft)	DEGREE OF CURVATURE	DELTA	LENGTH T. (ft)
9	PI	556+34.29	556,403.520	1,138,615.916	626.00	9°09'09.65"	8°05'12.87" LT	88.36
	PC	555+90.04	556,437.728	1,138,587.846				
	PT	556+78.39	556,373.600	1,138,648.519				
10	PI	558+89.45	556,173.314	1,138,686.956	130.00	44°04'25.24"	34°22'24.70" LT	77.99
	PC	558+49.24	556,213.517	1,138,687.638				
	PT	559+27.23	556,139.746	1,138,709.091				
	POE	561+17.26	555,981.103	1,138,813.706				
11	PI	574+51.39	554,862.750	1,139,536.821	5000.28	1°08'45.06"	0°01'54.53" LT	2.78
	PC	574+50.00	554,863.824	1,139,535.942				
	PCC	574+52.78	554,861.676	1,139,537.702				
12	PI	575+28.30	554,803.273	1,139,585.590	526.00	10°53'33.84"	16°20'31.75" LT	150.03
	PCC	574+52.78	554,861.676	1,139,537.702				
	PT	576+02.80	554,760.704	1,139,647.978				
	POE	576+21.55	554,750.138	1,139,663.462				
13	PI	578+32.56	554,568.125	1,139,743.942	130.00	44°04'25.24"	37°46'08.54" LT	85.70
	PC	577+88.10	554,611.534	1,139,734.287				
	PT	578+73.79	554,539.724	1,139,778.161				
	POE	580+91.47	554,400.704	1,139,945.664				

STATE OF MAINE
 DEPARTMENT OF TRANSPORTATION

2420700
 WIN
 24207.00
 HIGHWAY PLANS

PROJECT MANAGER
 D. COOMBS

CHECKED/REVIEWED
 S. KELLY
 DCC

DESIGN/REVIEWED
 DCC

DESIGN/REVIEWED
 DCC

REVISIONS 1
 REVISIONS 2
 REVISIONS 3
 REVISIONS 4

FIELD CHANGES

DATE
 03/11/22
 03/11/22

SIGNATURE

P.E. NUMBER

DATE

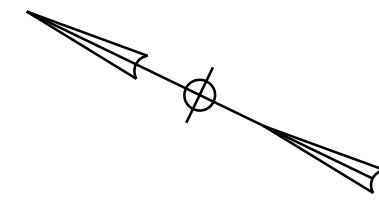
AUGUSTA
 ROUTE 3

GEOMETRIC PLAN

SHEET NUMBER

6

OF 11

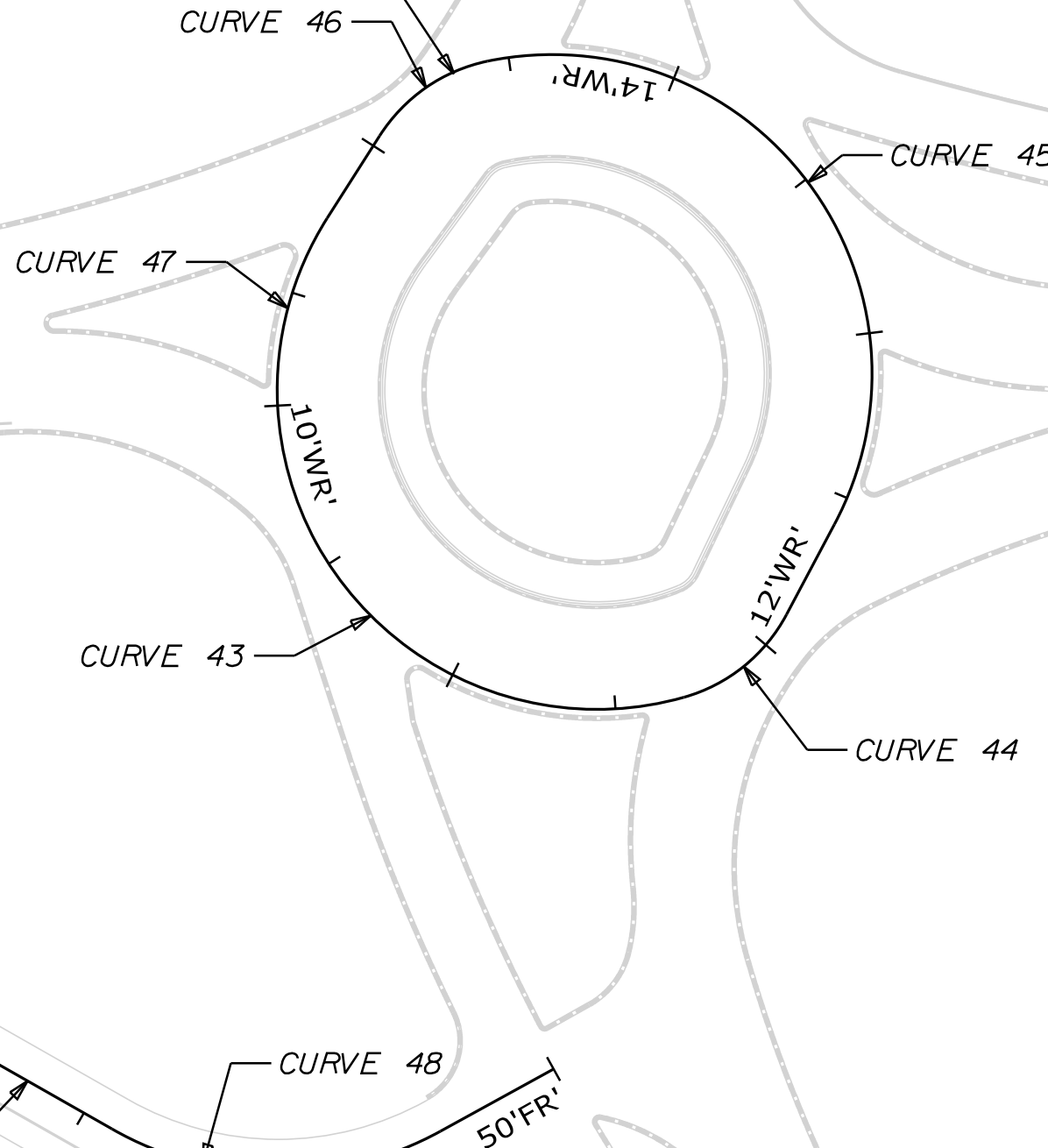


I-95 SB OFF RAMP
I-95 SB ON RAMP

WEST ROUNDABOUT
REFERENCE LINE
(WR)

SIDEWALK
REFERENCE LINE
(SW)

FRONTAGE ROAD
REFERENCE LINE
(FR)



WR - R/L									
CURVE NUMBER	POINT	STATION	Y (ft)	X (ft)	RADIUS (ft)	DEGREE OF CURVATURE	DELTA	LENGTH (ft)	TANGENT (ft)
43	PI	11+19.32	556,305.481	1,138,487.189	95.00	60°18'40.85"	102°56'49.58" LT	170.69	119.32
	PC	10+00.00	556,362.639	1,138,591.926					
	PCC	11+70.69	556,216.213	1,138,566.361					
44	PI	11+92.00	556,200.269	1,138,580.501	50.00	114°35'29.61"	46°10'09.93" LT	40.29	21.31
	PCC	11+70.69	556,216.213	1,138,566.361					
	PT	12+10.98	556,199.429	1,138,601.796					
45	PI	14+43.92	556,190.240	1,138,834.547	95.00	60°18'40.85"	129°45'24.97" LT	215.15	202.61
	PC	12+41.31	556,198.232	1,138,632.100					
	PCC	14+56.46	556,350.985	1,138,711.220					
46	PI	14+77.58	556,367.744	1,138,698.362	50.00	114°35'29.61"	45°48'11.87" LT	39.97	21.12
	PCC	14+56.46	556,350.985	1,138,711.220					
	PT	14+96.43	556,370.209	1,138,677.384					
47	PI	15+55.74	556,377.129	1,138,618.478	95.00	60°18'40.85"	35°19'23.65" LT	58.57	30.25
	PC	15+25.49	556,373.600	1,138,648.519					
	PT	15+84.06	556,362.639	1,138,591.926					

FR - R/L									
CURVE NUMBER	POINT	STATION	Y (ft)	X (ft)	RADIUS (ft)	DEGREE OF CURVATURE	DELTA	LENGTH (ft)	TANGENT (ft)
	POB	50+00.00	556,203.117	1,138,450.024					
48	PI	50+94.33	556,257.746	1,138,373.128	100.00	57°17'44.81"	58°28'54.88" RT	102.07	55.98
	PC	50+38.34	556,225.324	1,138,418.765					
	PT	51+40.41	556,313.600	1,138,376.909					
49	PI	53+56.80	556,529.491	1,138,391.525	50.00	114°35'29.61"	55°42'43.00" RT	48.62	26.42
	PC	53+30.37	556,503.127	1,138,389.740					
	PT	53+78.99	556,542.869	1,138,414.313					
	POE	54+28.88	556,568.124	1,138,457.333					

SW - R/L									
CURVE NUMBER	POINT	STATION	Y (ft)	X (ft)	RADIUS (ft)	DEGREE OF CURVATURE	DELTA	LENGTH (ft)	TANGENT (ft)
	POB	0+00.00	556,457.511	1,138,376.629					
	POE	3+43.70	556,800.429	1,138,399.844					

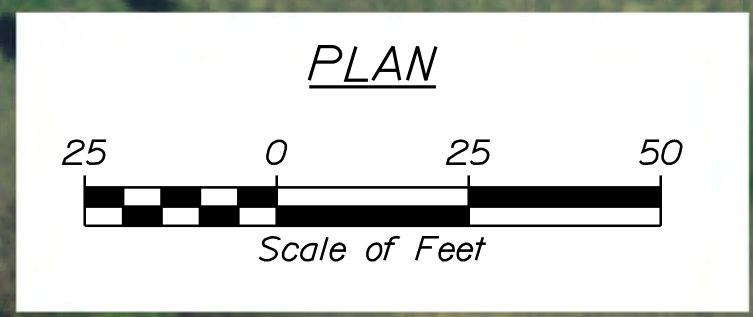
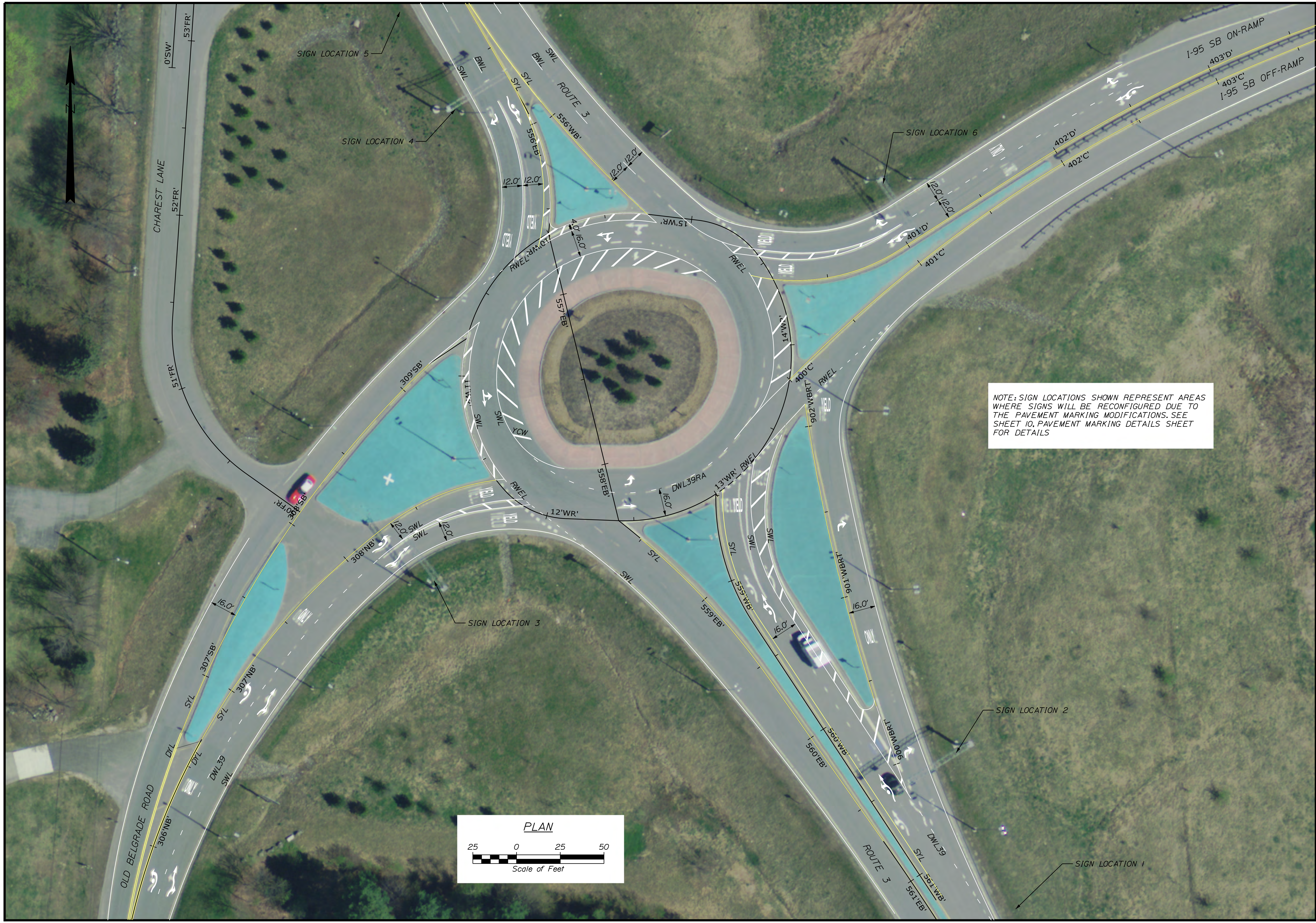
STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
2420700
WIN
24207.00
HIGHWAY PLANS

DATE: 03/11/22
BY: S. KELLY
D. COOMBS
PROJ. MANAGER
DESIGN-DETAILED
CHECKED-REVIEWED
DESIGN-DETAILED
DESIGN-DETAILED
REVISIONS 1
REVISIONS 2
REVISIONS 3
REVISIONS 4
FIELD CHANGES

SIGNATURE
P.E. NUMBER
DATE

AUGUSTA
ROUTE 3
GEOMETRIC PLAN

SHEET NUMBER
8
OF 11



NOTE: SIGN LOCATIONS SHOWN REPRESENT AREAS WHERE SIGNS WILL BE RECONFIGURED DUE TO THE PAVEMENT MARKING MODIFICATIONS. SEE SHEET 10, PAVEMENT MARKING DETAILS SHEET FOR DETAILS

<p>AUGUSTA ROUTE 3</p> <p>PAVEMENT MARKING PLAN</p>	<p>STATE OF MAINE DEPARTMENT OF TRANSPORTATION</p> <p>2420700</p> <p>WIN 24207.00</p> <p>HIGHWAY PLANS</p>	<p>SHEET NUMBER</p> <p style="font-size: 2em;">9</p> <p>OF 11</p>	<p>PROJ. MANAGER D. COOMBS</p> <p>DESIGN-DETAILED S. KELLY</p> <p>CHECKED-REVIEWED DCC</p> <p>DESIGN-DETAILED DCC</p> <p>DESIGN-DETAILED DCC</p> <p>REVISIONS 1</p> <p>REVISIONS 2</p> <p>REVISIONS 3</p> <p>REVISIONS 4</p> <p>FIELD CHANGES</p>	<p>DATE 03/11/22</p> <p>DATE 03/11/22</p> <p>SIGNATURE</p> <p>P.E. NUMBER</p> <p>DATE</p>
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PAVEMENT MARKING LEGEND

2SYL	TWO SOLID YELLOW LINES (4")
SYL	SOLID YELLOW LINE (4")
SWL	SOLID WHITE LINES (4")
BWL	BROKEN WHITE LINE 10' LINE 30' GAP(4")
RWEL	18" ROUNDABOUT EDGE LINE 2' LINE 4' GAP-SEE PAVEMENT MARKING NOTE 3
DWL39RA	DOTTED WHITE LINE 3' LINE 9' GAP (6") WITHIN ROUNDABOUT SEE PAVEMENT MARKING NOTE 3
DWL39	DOTTED WHITE LINE 3' LINE 9' GAP (6")
STOP BAR	STOP BAR (24")
YCH	CROSS HATCHING YELLOW (12")
YCW	CROSS HATCHING WHITE (12")

NOTE: SEE TRAFFIC ENGINEERING STRIPING AND STENCILING HANDBOOK FOR FURTHER DETAILS ON PAVEMENT MARKINGS.

SIGN LOCATION NOTES

- SIGN LOCATION 1: EXISTING POST MOUNTED SIGN WILL BE REMOVED AND REPLACED TO REMOVE THE CENTER THRU SIGN. NEW SIGN SHALL BE MOUNTED ON THE EXISTING POST.
- SIGN LOCATION 2: EXISTING OVERHEAD SIGNS WILL REMOVED AND RESET TOGETHER IN THE CENTER ABOVE THE NEW SINGLE LANE. A NEW SINGLE ARROW SIGN WILL BE INSTALLED OVER THE EXISTING ARROWS AND BOLTED INTO THE EXISTING SIGN.
- SIGN LOCATION 3: EXISTING OVERHEAD SIGN ABOVE THE RIGHT LANE WILL BE REMOVED AND REPLACED WITH A THRU/RIGHT SIGN.
- SIGN LOCATION 4: EXISTING OVERHEAD SIGNS WILL REMOVED AND RESET TOGETHER IN THE CENTER ABOVE THE NEW SINGLE LANE. A NEW SINGLE ARROW SIGN WILL BE INSTALLED OVER THE EXISTING ARROWS AND BOLTED INTO THE EXISTING SIGN.
- SIGN LOCATION 5: EXISTING POST MOUNTED SIGN WILL BE REMOVED AND REPLACED TO MODIFY THE RIGHT LANE TO RIGHT ONLY. NEW SIGN SHALL BE MOUNTED ON THE EXISTING POST.
- SIGN LOCATION 6: BOTH EXISTING OVERHEAD SIGNS WILL BE REMOVED AND REPLACED. THE LEFT SIGN WILL BE REPLACED WITH A NEW LEFT/THRU SIGN AND THE RIGHT SIGN WILL BECOME A RIGHT ONLY SIGN.

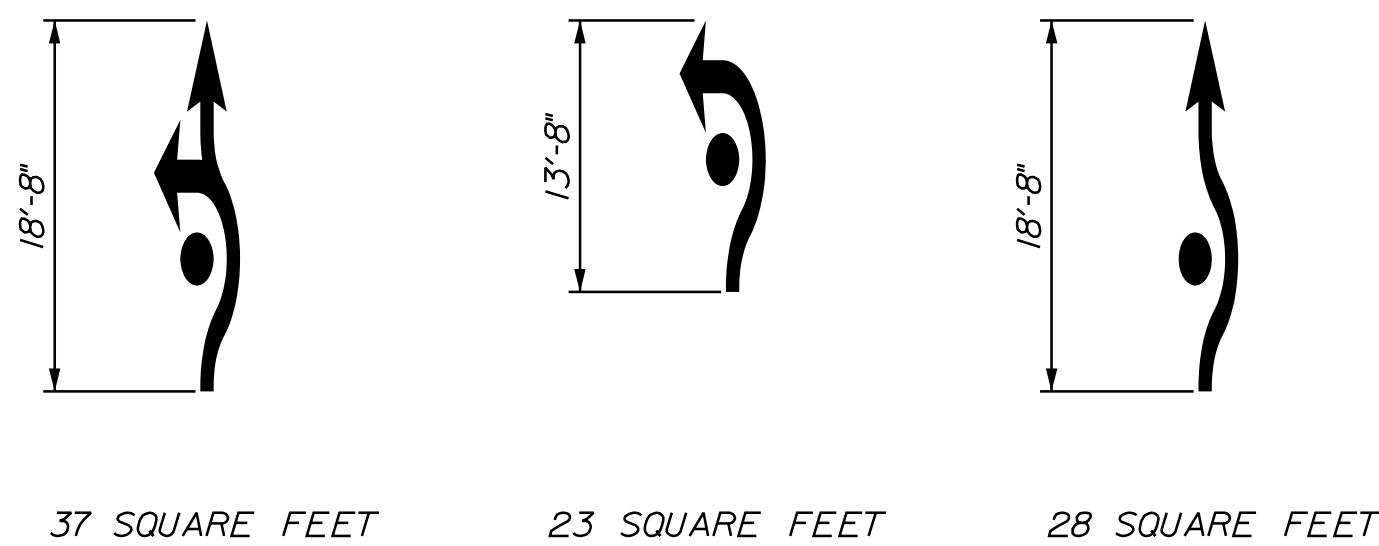
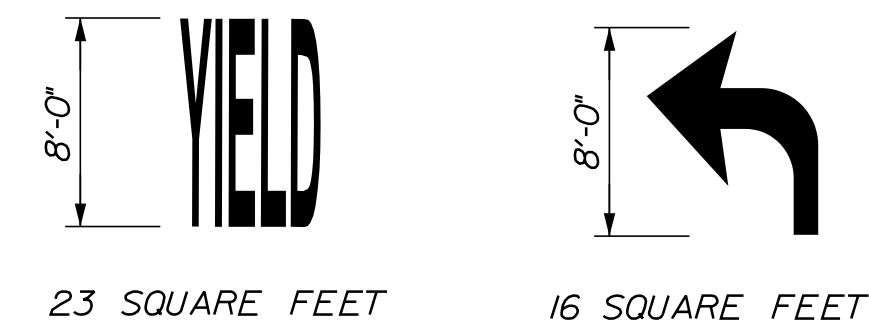
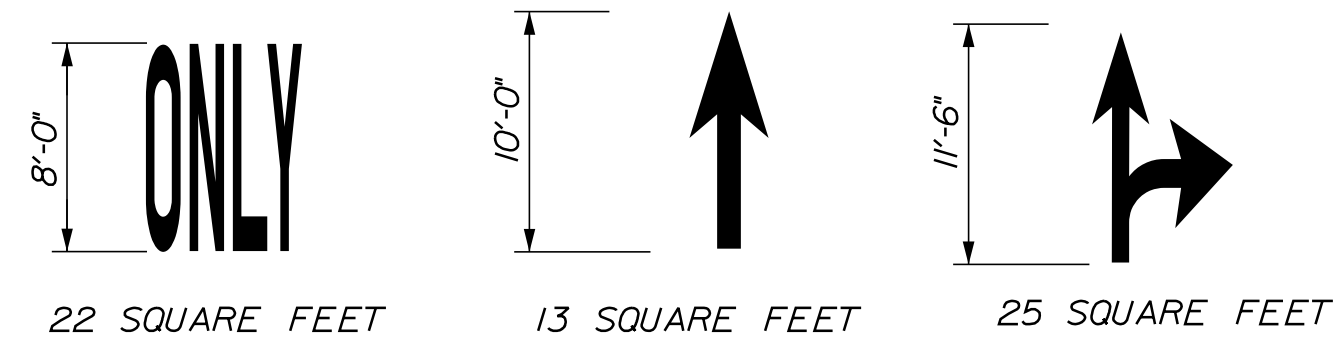
PAVEMENT MARKING NOTES:

1. ALL PAVEMENT MARKINGS SHALL BE IN CONFORMANCE WITH THE MANUAL ON TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, U.S. DOT, FHWA, 2009 EDITION, WITH THE LATEST REVISIONS.
2. ALL PAVEMENT MARKING LINES, ARROWS, AND WORD SYMBOLS SHALL BE PAINT AND SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE WITH MAINE DOT STANDARD SPECIFICATION 627.
3. ALL RWEL AND DWL39RA MARKINGS WITHIN THE ROUNDABOUT SHALL BE RECESSED POLYUREA PAVEMENT MARKINGS PER SPECIAL PROVISION 627. PAYMENT SHALL BE MADE UNDER ITEM NO. 627.30 FOR GROOVING OF THE PAVEMENT MARKINGS AND EITHER ITEM 627.745 OR 627.751 FOR THE POLYUREA PAVEMENT MARKINGS.

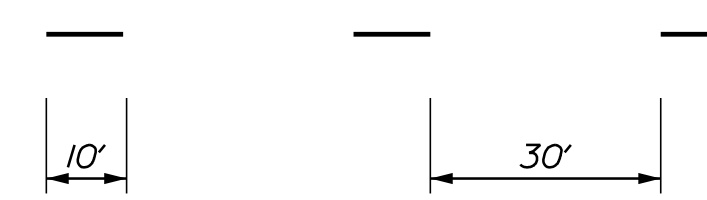
SIGNING NOTES

1. ALL EXISTING SIGNS SHALL BE SALVAGED TO BECOME THE PROPERTY OF MAINE DOT AND DELIVERED TO THE REGION 2 OFFICE AT 66 INDUSTRIAL DRIVE, AUGUSTA, ME.
2. ALL EXISTING SIGNS ARE ASSUMED TO BE 36"x48" SIGNS UNLESS OTHERWISE NOTED.
3. ALL NEW SIGNS WILL BE PROVIDED BY THE DEPARTMENT.

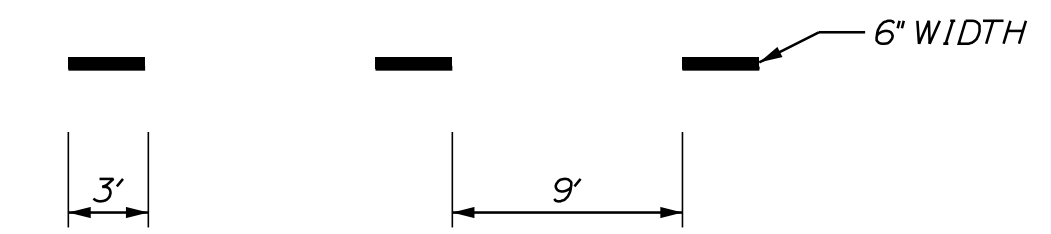
LANE MARKING DETAILS
NOT TO SCALE



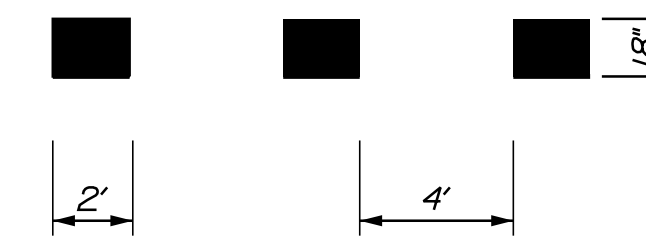
BWL DETAIL
NOT TO SCALE



DWL39 DETAIL
NOT TO SCALE



RWEL DETAIL
NOT TO SCALE



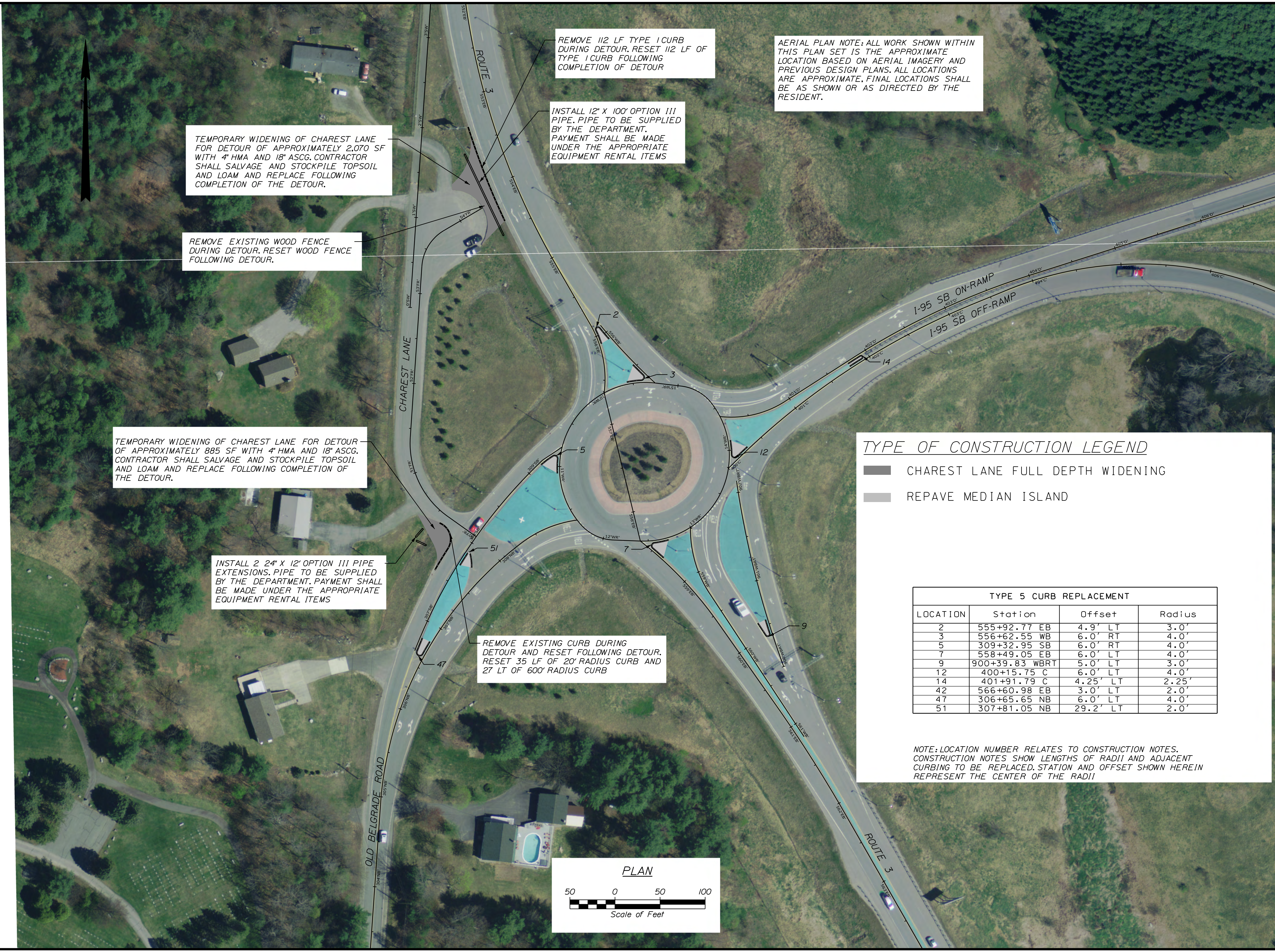
DATE	03/17/22	SIGNATURE	
BY	S. KELLY	P.E. NUMBER	
D. COOMBS	DCC	DATE	
PROJ. MANAGER			
DESIGN-DETAILED			
CHECKED-REVIEWED			
DESIGN-DETAILED			
DESIGN-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

AUGUSTA
ROUTE 3
PAVEMENT MARKING DETAILS

Date: 3/11/2022

Username: skelly

Filename: ... \24207_010_Pavement Marking Details.dgn



TEMPORARY WIDENING OF CHAREST LANE FOR DETOUR OF APPROXIMATELY 2,070 SF WITH 4" HMA AND 18" ASCG. CONTRACTOR SHALL SALVAGE AND STOCKPILE TOPSOIL AND LOAM AND REPLACE FOLLOWING COMPLETION OF THE DETOUR.

REMOVE EXISTING WOOD FENCE DURING DETOUR. RESET WOOD FENCE FOLLOWING DETOUR.

TEMPORARY WIDENING OF CHAREST LANE FOR DETOUR OF APPROXIMATELY 885 SF WITH 4" HMA AND 18" ASCG. CONTRACTOR SHALL SALVAGE AND STOCKPILE TOPSOIL AND LOAM AND REPLACE FOLLOWING COMPLETION OF THE DETOUR.

INSTALL 2 24" X 12' OPTION III PIPE EXTENSIONS. PIPE TO BE SUPPLIED BY THE DEPARTMENT. PAYMENT SHALL BE MADE UNDER THE APPROPRIATE EQUIPMENT RENTAL ITEMS

REMOVE EXISTING CURB DURING DETOUR AND RESET FOLLOWING DETOUR. RESET 35 LF OF 20' RADIUS CURB AND 27 LT OF 600' RADIUS CURB

REMOVE 112 LF TYPE I CURB DURING DETOUR. RESET 112 LF OF TYPE I CURB FOLLOWING COMPLETION OF DETOUR

INSTALL 12" X 100' OPTION III PIPE. PIPE TO BE SUPPLIED BY THE DEPARTMENT. PAYMENT SHALL BE MADE UNDER THE APPROPRIATE EQUIPMENT RENTAL ITEMS

AERIAL PLAN NOTE: ALL WORK SHOWN WITHIN THIS PLAN SET IS THE APPROXIMATE LOCATION BASED ON AERIAL IMAGERY AND PREVIOUS DESIGN PLANS. ALL LOCATIONS ARE APPROXIMATE. FINAL LOCATIONS SHALL BE AS SHOWN OR AS DIRECTED BY THE RESIDENT.

TYPE OF CONSTRUCTION LEGEND

- CHAREST LANE FULL DEPTH WIDENING
- REPAVE MEDIAN ISLAND

TYPE 5 CURB REPLACEMENT			
LOCATION	Station	Offset	Radius
2	555+92.77 EB	4.9' LT	3.0'
3	556+62.55 WB	6.0' RT	4.0'
5	309+32.95 SB	6.0' RT	4.0'
7	558+49.05 EB	6.0' LT	4.0'
9	900+39.83 WBRT	5.0' LT	3.0'
12	400+15.75 C	6.0' LT	4.0'
14	401+91.79 C	4.25' LT	2.25'
42	566+60.98 EB	3.0' LT	2.0'
47	306+65.65 NB	6.0' LT	4.0'
51	307+81.05 NB	29.2' LT	2.0'

NOTE: LOCATION NUMBER RELATES TO CONSTRUCTION NOTES. CONSTRUCTION NOTES SHOW LENGTHS OF RADII AND ADJACENT CURBING TO BE REPLACED. STATION AND OFFSET SHOWN HEREIN REPRESENT THE CENTER OF THE RADII

