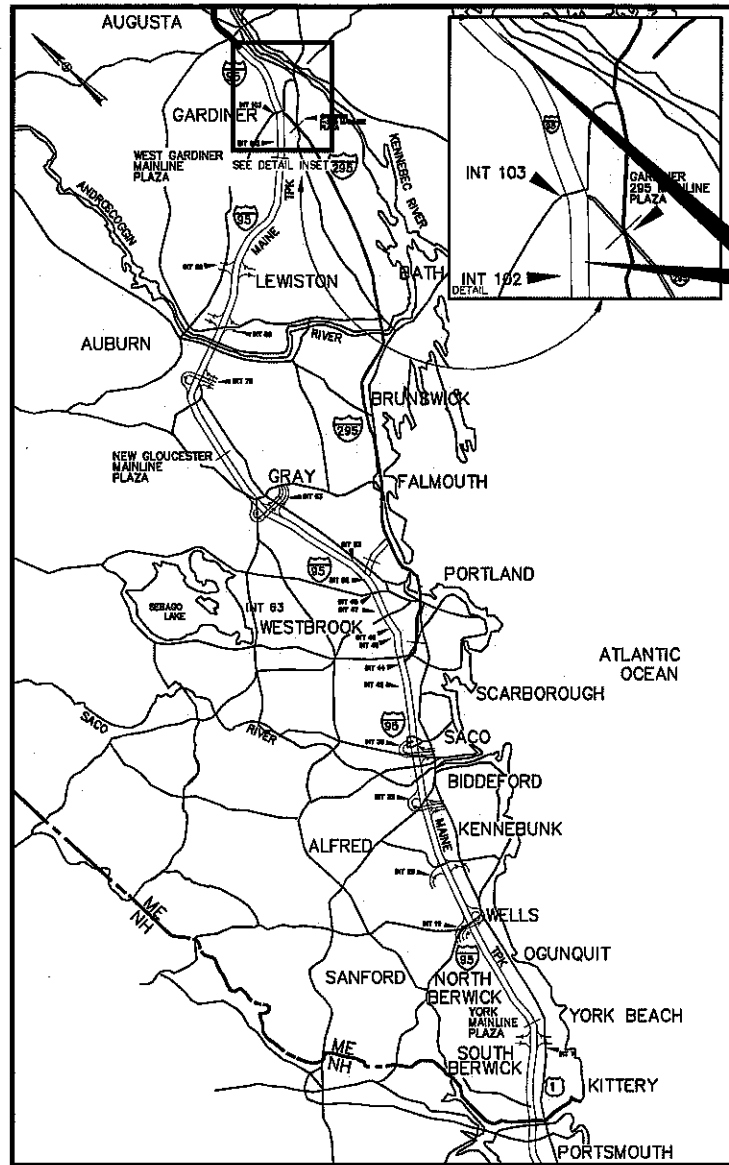




THE GOLD STAR
MEMORIAL HIGHWAY

MAINE TURNPIKE AUTHORITY



LOCATION MAP

CONTRACT 2022.01
PAVEMENT REHABILITATION
MM 102.6 TO MM 109.1

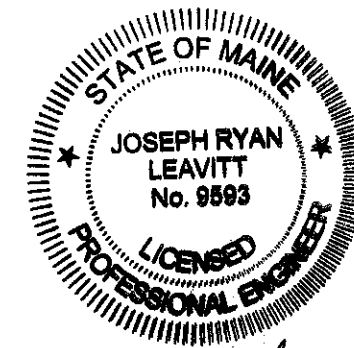
DANIEL E. WATHEN, CHAIR
ROBERT D. STONE, VICE CHAIR
MICHAEL J. CIANCHETTE, MEMBER
JANE L. LINCOLN, MEMBER
ANN R. ROBINSON, MEMEBER
THOMAS J. ZUKE, MEMBER
BRUCE A. VAN NOTE, EX-OFFICIO

S. PETER MILLS, EXECUTIVE DIRECTOR

CONTRACT 2022.01 PAVEMENT REHABILITATION AND DRAINAGE IMPROVEMENTS MM 102.6 TO MM 109.1

INDEX OF SHEETS		
SHEET NO.	SHEET NO.	DESCRIPTION
1		TITLE SHEET
2	C-1	ESTIMATED QUANTITIES
3	C-2	DRAINAGE SUMMARY
4	P-1	TYPICAL SECTIONS
5	P-2	BERM DROPOFF CORRECTIONS
6-7	P-3-4	DRAINAGE DETAILS I and II
8	P-5	MISCELLANEOUS DETAILS I
9	P-6	MISCELLANEOUS DETAILS II
10-16	T 1-7	TRAFFIC CONTROL DETAILS I-VII
17-18	T 8-9	SIGN SUMMARY
19-21	T 10-12	PAVEMENT MARKING DETAILS
22-23	S 1-2	BRIDGE DETAILS
24	TR-1	TRUCK TURNOUT-MM 104.9 NB AND SB

CONTRACT 2022.01



Joseph Ryan Leavitt
JOSEPH RYAN LEAVITT, P.E.
SENIOR RESIDENT ENGINEER

1/31/22
DATE

APPROVED: MAINE TURNPIKE AUTHORITY



Peter S. Mills
PETER S. MILLS, P.E. - CHIEF OPERATIONS OFFICER
Stephen R. T...
STEPHEN R. T..., P.E. - DIRECTOR OF ENGINEERING

01-28-22
DATE
1/28/22
DATE



ITEM NO.	DESCRIPTION	UNIT	Total Quantity
202.202	Removing Pavement Surface - Mainline	SY	280,700
202.2026	Remove Pavement Surface - Drainage Paths	SF	385
202.205	Rumble Strips	EA	122,400
403.2081	Hot Mix Asphalt, 12.5mm (Polymer Modified)- RAP	Ton	24,500
403.2084	Hot Mix Asphalt, 12.5mm Nominal Maximum Size (sidewalks, drives, islands & incidentals)	Ton	180
403.211	Hot Mix Asphalt (shimming)	Ton	150
409.15	Bituminous Tack Coat - Applied	GAL	17,590
419.30	Full Depth Bituminous Sawcut	LF	900
419.301	Saw Cutting and Sealing Bituminous Pavement	LF	156
424.323	Asphalt Rubber Mastic Crack Sealant	LB	39,700
459.06	Bituminous Concrete Waterway - Type I	EA	12
470.08	Berm Dropoff Correction - Grindings	Ton	1,200
470.081	Berm Correction	LF	21,000
520.23	Asphaltic Plug Joint	LF	136
603.199	24 inch Culvert Pipe - Option III	LF	58
603.28	Concrete Collar	EA	3
604.182	Clean Existing Catch Basin And Manhole	EA	60
604.186	Rebuild Catch Basin to Grade - Type IV	EA	10
610.08	Plain Rip Rap	CY	15
613.319	Erosion Control Blanket	SY	1,150
615.07	Loam	CY	90
619.1202	Temporary Mulch	LS	1
620.58	Erosion Control Geotextile	SY	75
627.730	Temporary Pavement Marking Line Tape	LF	5,200
627.780	Temporary Pavement Marking Line	LF	203,400
627.812	Temporary Raised Pavement Markers	EA	13,500
627.94	Pavement Marking Tape	LF	2,650
627.941	Pavement Marking Tape - Dotted White Lane Line, 6-inch width	LF	300
627.942	Pavement Marking Tape - Dotted White Lane Line, 12-inch width	LF	160
629.05	Hand Labor, Straight Time	HR	20
631.10	Air Compressor (including operator)	HR	20
631.11	Air Tool (including operator)	HR	20
631.12	All Purpose Excavator (including operator)	HR	30
631.172	Truck - Large (including operator)	HR	30
631.36	Foreman	HR	20
652.30	Flashing Arrow	EA	4
652.35	Construction Signs	SF	4,550
652.3611	Maintenance of Traffic Control Devices	LS	1
652.411	Portable - Changeable Message Sign	EA	4
652.45	Truck Mounted Attenuator	CD	75
652.452	Automated Trailer Mounted Speed Limit Sign	EA	2
656.50	Baled Hay, in place	EA	70
656.632	30 inch Temporary Silt Fence	LF	400
659.100	Mobilization	LS	1

GENERAL NOTES



1. THE CONTRACTOR IS REQUIRED TO CALL DIG SAFE AT 1-888-344-7233, OR WWW.DIGSAFE.COM IN CONFORMANCE WITH ALL STATE AND LOCAL LAWS, ORDINANCES AND STATUTES.
2. THE MAINE TURNPIKE AUTHORITY IS A NON-MEMBER UTILITY OPERATOR AND IS NOT REGISTERED WITH DIG SAFE SYSTEM. THE CONTRACTOR SHALL CONTACT ALL NON-MEMBERS THROUGH WWW.OKTODIG.COM OR AS OTHERWISE REQUIRED BY THE MAINE PUBLIC UTILITIES COMMISSION. ALL PROPOSED EXCAVATION LOCATIONS SHALL BE MARKED AT THE TIME OF NOTIFICATION. NO EXCAVATION SHALL BE PERMITTED UNTIL THE AUTHORITY HAS LOCATED AND MARKED ITS' UNDERGROUND UTILITIES. THE RESIDENT ENGINEER SHALL BE PROVIDED AN ELECTRONIC COPY OF ALL DIG SAFE TICKETS WITHIN 24 HOURS OF THEIR RELEASE FOR PROJECT NOTIFICATIONS AND 3RD PARTY UTILITY LOCATOR COORDINATION.
3. THERE ARE NO ANTICIPATED UTILITIES INVOLVED IN THIS CONTRACT.
4. CONTRACTOR SHALL PROTECT ALL NEW AND EXISTING UTILITIES FROM DAMAGED DURING THE CONSTRUCTION AS APPROVED BY THE UTILITY OWNERS.
3. EXCAVATIONS ACCOMPLISHED AS PART OF THIS PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH OSHA SUBPART P OF 29 CFR PART 1926.650-652 (CONSTRUCTION STANDARDS FOR EXCAVATIONS).
4. ALL STANDARD DETAILS SHALL BE IN CONFORMANCE WITH MAINE DEPARTMENT OF TRANSPORTATION (MAINE DOT) STANDARD DETAILS HIGHWAY AND BRIDGES LATEST REVISIONS AND MAINE DOT BEST MANAGEMENT PRACTICES FOR EROSION AND SEDIMENT CONTROL LATEST REVISION UNLESS OTHERWISE INCLUDED IN THESE PLANS.

DRAINAGE NOTES

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



EROSION CONTROL

1. ADDITIONAL MEASURES MAY BE PROPOSED BY THE CONTRACTOR DUE TO SITE OR WEATHER CONDITIONS. THE RESIDENT MAY DIRECT THE CONTRACTOR TO IMPLEMENT ADDITIONAL MEASURES, ANY ADDITIONAL MEASURES APPROVED BY THE RESIDENT WILL BE MEASURED FOR PAYMENT.
2. ALL TEMPORARY EROSION CONTROL DEVICES SHALL BE INSTALLED IN ACCORDANCE WITH THE MAINE DEPARTMENT OF TRANSPORTATION BEST MANAGEMENT PRACTICES.

Scale: <p style="text-align: center;">NOT TO SCALE</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>No.</th> <th>Revision</th> <th>By</th> <th>Date</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>	No.	Revision	By	Date													Designed by: <div style="text-align: center;">  </div> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th> </th> <th>By</th> <th>Date</th> <th> </th> <th>By</th> <th>Date</th> </tr> </thead> <tbody> <tr> <td>Designed</td> <td>JRL</td> <td>01/31/22</td> <td>Checked</td> <td>JED</td> <td>01/31/22</td> </tr> <tr> <td>Drawn</td> <td>BMB</td> <td>01/31/22</td> <td>In Charge of</td> <td>SRT</td> <td>01/31/22</td> </tr> </tbody> </table>		By	Date		By	Date	Designed	JRL	01/31/22	Checked	JED	01/31/22	Drawn	BMB	01/31/22	In Charge of	SRT	01/31/22	<div style="text-align: center;">  <p>THE GOLD STAR MEMORIAL HIGHWAY</p> </div> <p>MAINE TURNPIKE AUTHORITY 2360 Congress Street Portland, ME 04102 TEL (207) 871-7771 FAX (207) 879-5567</p> <p>MTA PROJECT MANAGER: Joseph R. Leavitt, P.E.</p>	<p>PAVEMENT REHABILITATION</p> <p>ESTIMATED QUANTITIES AND GENERAL NOTES</p> <p style="text-align: right;">SHEET NUMBER: C-1</p> <p>CONTRACT: 2022.01</p> <p style="text-align: right;">2 of 24</p>
No.	Revision	By	Date																																		
	By	Date		By	Date																																
Designed	JRL	01/31/22	Checked	JED	01/31/22																																
Drawn	BMB	01/31/22	In Charge of	SRT	01/31/22																																

DRAINAGE SUMMARY 2022.01

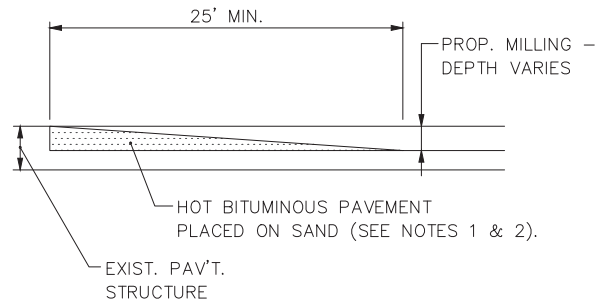
LOCATION	RDWY		BIT. CONC. WATER-WAY TYPE I	24" HDPE PIPE - CLASS III		REBUILD CATCH BASIN TO GRADE - TYPE II				REBUILD CATCH BASIN TO GRADE - TYPE IV	EROSION CONTROL BLANKET	BALED HAY IN PLACE	30 inch TEMP. SILT FENCE	CATCH BASIN OUTLETS ON RDWY SLOPE	REMARKS
ITEM NO.			459.06	603.199		604.184				604.186	613.319	656.50	656.632		
UNIT			EA	LF	LF	EA	EA	EA	EA	EA	SY	EA	LF.		
STATION				SB	NB	45' LT	9' LT	9' RT	45' RT	0'					
5268+00	SB		1							1	56	5	20	SB	
5286+50	NB		1							1	56	5	20	SB	
5294+07	SB		1							1	56	5	20	NB	
5321+00	NB		1							1	56	5	20	SB	
5354+00	NB/SB			16	16						270	5	60	NB/SB	Sta. 5354+00, 72.4' Lt. to 86.4' Lt. (Mirror NB)
5440+65	SB			16							135	5	60	SB	Sta. 5440+65, 69.6' Lt. to 83.6' Lt.
5429+00	SB		1							1	56	5	20	SB	
5436+50	SB		1							1	56	5	20	NB	
5444+00	SB		1								56	5	20	SB	
5451+00	SB		1							1	56	5	20	SB	
5486+00	NB		1							1	56	5	20	NB	
5507+80	SB		1							1	56	5	20	SB	
5571+00	NB		1								56	5	20	NB	
5577+00	NB		1							1	56	5	20	NB	
TOTALS			12	32	16	0	0	0	0	10	1077	70	360		

Scale: NOT TO SCALE		Designed by: 		MAINE TURNPIKE AUTHORITY 2360 Congress Street Portland, ME 04102 TEL (207) 871-7771 FAX (207) 879-5567		 THE GOLD STAR MEMORIAL HIGHWAY		PAVEMENT REHABILITATION DRAINAGE SUMMARY	
No.	Revision	By	Date	By	Date	MTA PROJECT MANAGER: Joseph R. Leavitt, P.E.		SHEET NUMBER: C-2	
				Designed	JRL 01/31/22	Checked	JED 01/31/22	CONTRACT: 2022.01	
				Drawn	BMB 01/31/22	In Charge of	SRT 01/31/22	3 of 24	

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MILLING AND PAVEMENT LEGEND

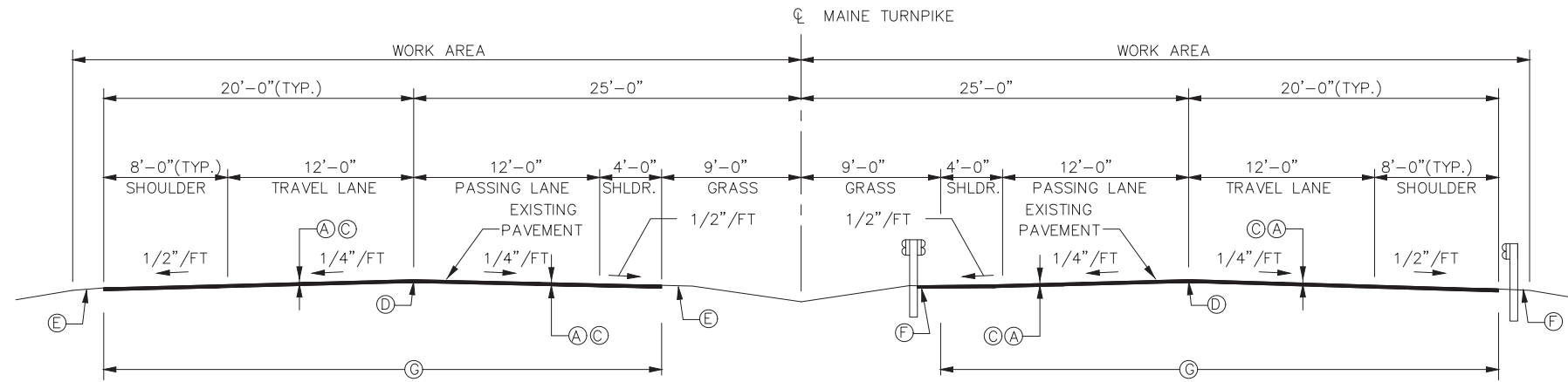
- Ⓐ = 1 1/2" HOT MIX ASPHALT, 12.5mm NOMINAL MAXIMUM SIZE
- Ⓑ = MILLING DEPTH ASSUMED TO BE 1" BUT WILL VARY DUE TO CROSS SLOPES
- Ⓒ = MILLING DEPTH VARIES AS CONTROLLED BY CROSS SLOPE AND RUT DEPTHS
- Ⓓ = NOTCHED WEDGE JOINT
- Ⓔ = BERM DROPOFF CORRECTION - GRINDINGS (SEE DETAIL A, SHEET P-2)
- Ⓕ = BERM DROPOFF CORRECTION - GRINDINGS (SEE DETAIL B, SHEET P-2)
- Ⓖ = LIMIT OF MILL AND FILL(36')



TEMPORARY BITUMINOUS RAMP
N.T.S.

NOTES:

1. HOT MIX ASPHALT FOR TEMPORARY RAMPS WILL NOT BE MEASURED FOR PAYMENT, BUT SHALL BE INCIDENTAL TO HOT MIX ASPHALT 12.5 MM.
2. REMOVAL OF TEMP. BITUMINOUS RAMPS WILL NOT BE MEASURED FOR PAYMENT, BUT SHALL BE INCIDENTAL TO HOT MIX ASPHALT 12.5 MM.



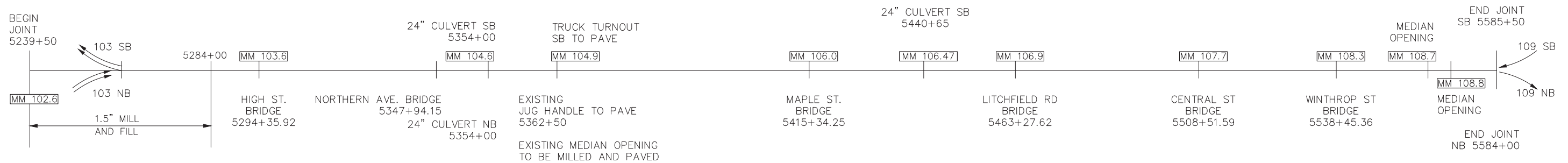
PAVEMENT MILL & FILL
N.T.S.

NOTES:

1. A COATING OF HOT RUBBERIZED ASPHALT SS-S-140IC SHALL BE APPLIED TO ALL TRANSVERSE BUTT JOINTS AND LONGITUDINAL VERTICAL JOINTS.
2. BITUMINOUS TACK COAT IS REQUIRED BETWEEN EXISTING PAVEMENT AND HMA, 12.5 MM, OR SHIM; AND BETWEEN SHIM AND HMA, 12.5 MM.
3. MILLING CROSS SLOPES WILL NEED TO TRANSITION TO MEET CENTRAL STREET AND NORTHERN AVENUE.
4. SHOULDER MILLING SHALL BE KEPT EVEN WITH THE LANE MILLING ON A PER SHIFT BASIS.
5. THE NOTCH WEDGE SHALL BE DOUBLE TACKED.
6. MEDIAN OPENING AT MM 104.90 SHALL BE MILLED AND PAVED. THE OTHER TWO MEDIAN OPENINGS ARE NOT MILLED AND PAVED.
7. LANE 2 AND THE EIGHT FOOT SHOULDER SHALL BE PULLED AS ONE.

PORTLAND
← S

AUGUSTA
→ N

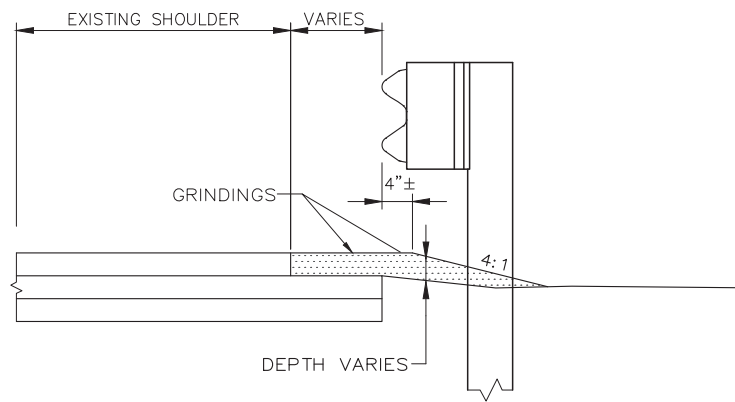


ONE LINE DIAGRAM
N.T.S.

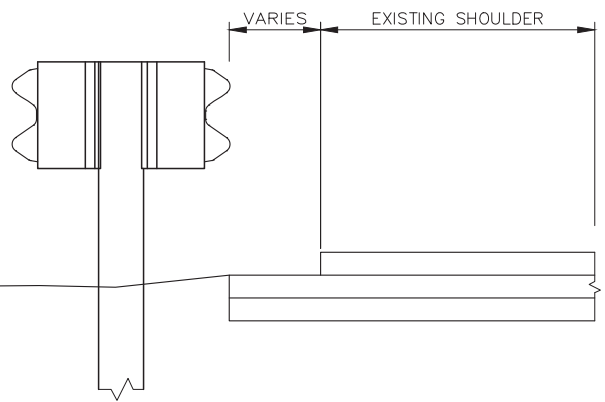
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No.	Revision	By	Date	By	Date	MTA PROJECT MANAGER: Joseph R. Leavitt, P.E.		SHEET NUMBER: P-1	
				Designed	JRL 01/31/22	Checked	JED 01/31/22	CONTRACT: 2022.01	
				Drawn	BMB 01/31/22	In Charge of	SRT 01/31/22	4 of 24	

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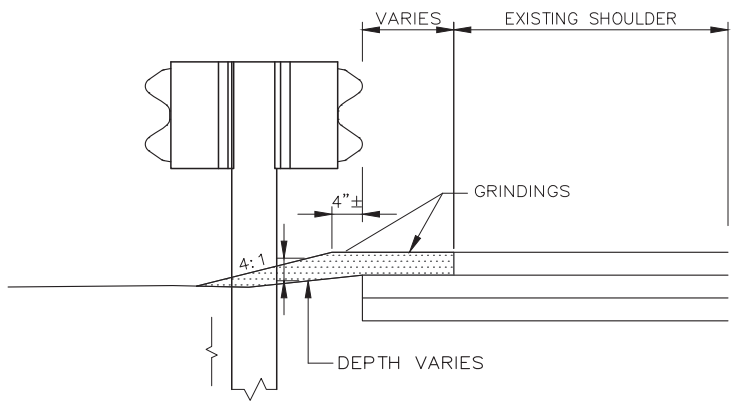
- NOTES:**
1. BERM CORRECTION LIMITS TO BE DETERMINED IN THE FIELD BY THE RESIDENT.
 2. AREAS OF BERM DROP OFF CORRECTION REQUIRING 3" OR MORE SHALL BE PLACED PRIOR TO SHIFTING TRAFFIC ONTO ADJACENT SHOULDER.
 3. BERM DROP OFF CORRECTIONS SHALL BE PLACED AT ALL LOCATIONS AS NEEDED UNLESS OTHERWISE DIRECTED BY THE RESIDENT.



**BERM DROPOFF CORRECTION WITH GUARDRAIL
RIGHT OUTSIDE SHOULDER**
N.T.S.

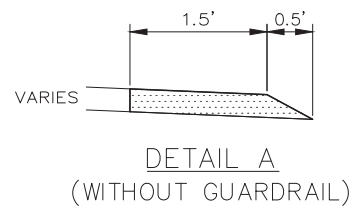


EXISTING SECTION

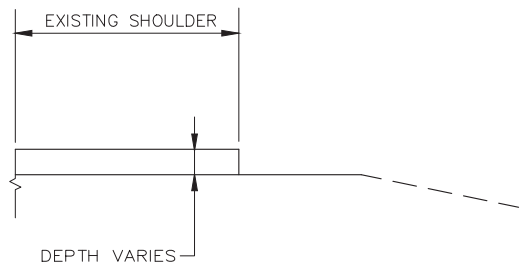


PROPOSED SECTION

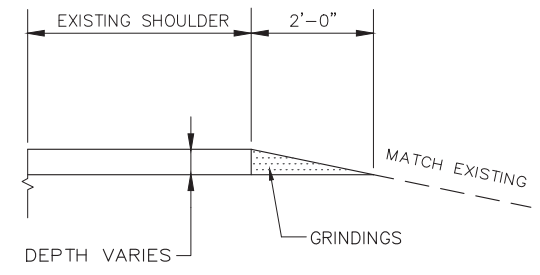
**DETAIL B
BERM DROPOFF CORRECTION WITH GUARDRAIL
MEDIAN GUARDRAIL**
N.T.S.



**DETAIL A
(WITHOUT GUARDRAIL)**

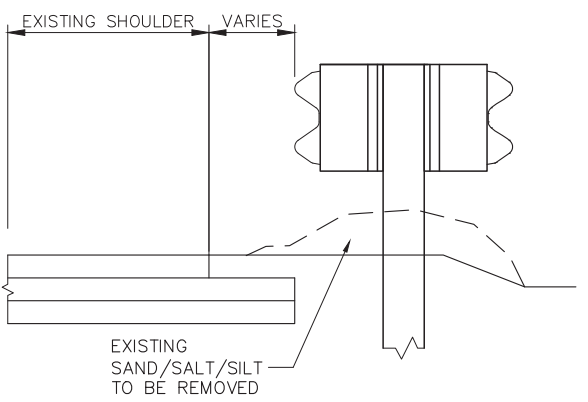


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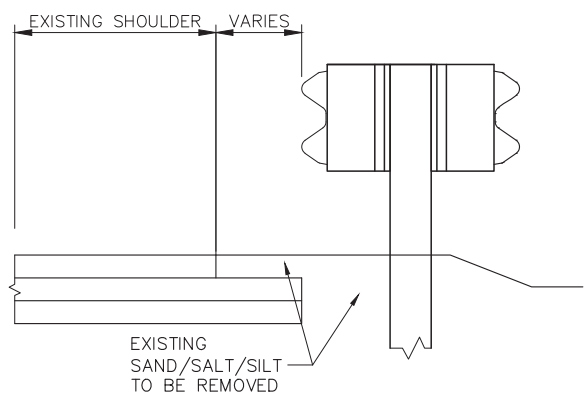


PROPOSED SECTION

**DETAIL A
BERM DROPOFF CORRECTION WITHOUT GUARDRAIL**
N.T.S.



EXISTING SECTION



PROPOSED SECTION

**DETAIL C
BERM CORRECTION - MEDIAN**
N.T.S.

- NOTES:**
1. TAPER SLOPE DOWN TO CATCH BASINS TO PREVENT DROP OFF. USE DEPTH GREATER THAN 8" IN TAPER SECTION IF REQUIRED.
 2. HYDROSEEDING WITH FIBER MULCH SHALL BE USED IN THE MEDIAN, NO STRAW OR HAY MULCH SHALL BE USED.
 3. ALL MATERIAL UNDER GUARDRAIL THAT WILL PREVENT SHEET FLOW FROM PROPOSED SHOULDER TO MEDIAN SHALL BE REMOVED. THIS IS INCLUDED AS PART OF THE BERM CORRECTION ITEM # 470.081. IF SAW CUTTING IS REQUIRED TO FACILITATE THE REMOVAL OF PAVEMENT TO ACHIEVE SHEET FLOW, THE SAW CUTTING WILL BE PAID FOR UNDER ITEM 419.30.


Scale: NOT TO SCALE

No.	Revision	By	Date

Designed by:

Designed	JRL	01/31/22	Checked	JED	01/31/22
Drawn	BMB	01/31/22	In Charge of	SRT	01/31/22

MAINE TURNPIKE AUTHORITY
2360 Congress Street
Portland, ME 04102
TEL (207) 871-7771
FAX (207) 879-5567

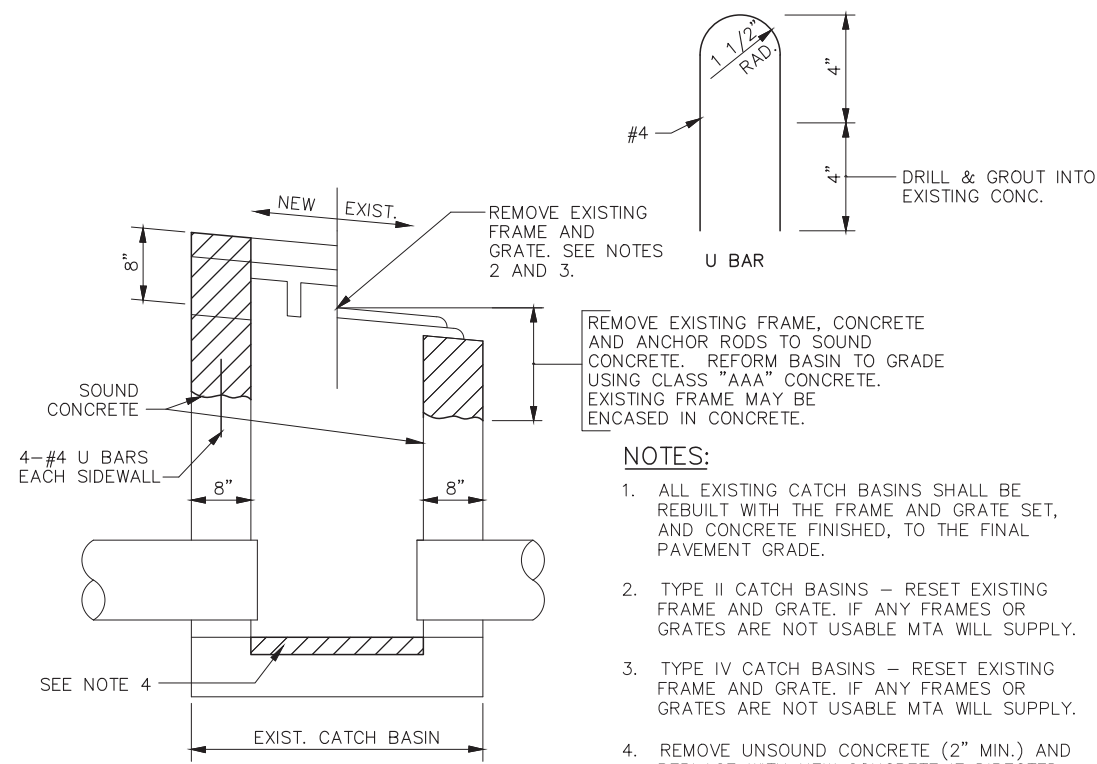


**THE GOLD STAR
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: Joseph R. Leavitt, P.E.

PAVEMENT REHABILITATION
BERM DROPOFF CORRECTION DETAILS

SHEET NUMBER: P-2
CONTRACT: 2022.01
5 of 24

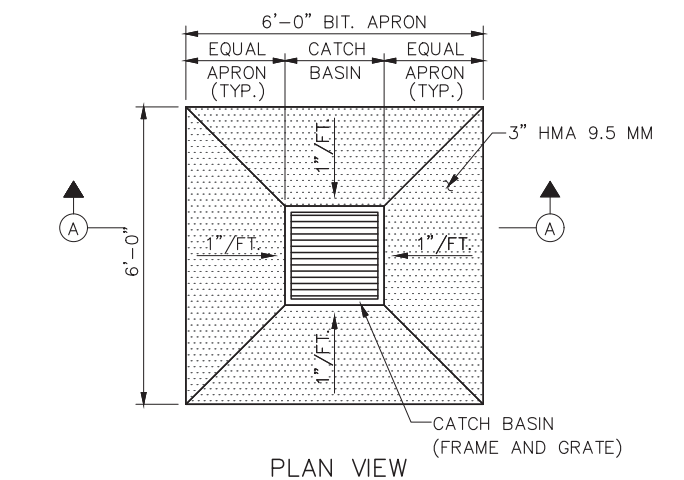


REMOVE EXISTING FRAME, CONCRETE AND ANCHOR RODS TO SOUND CONCRETE. REFORM BASIN TO GRADE USING CLASS "AAA" CONCRETE. EXISTING FRAME MAY BE ENCASED IN CONCRETE.

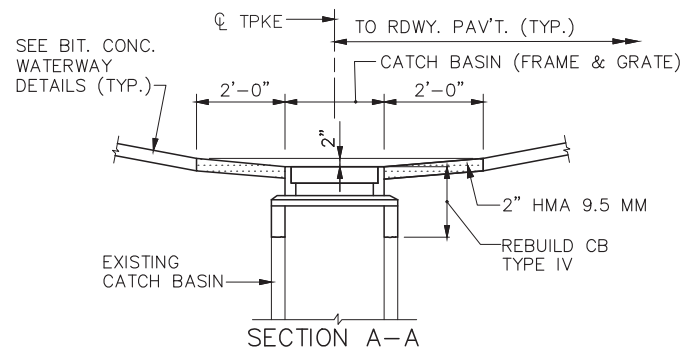
NOTES:

1. ALL EXISTING CATCH BASINS SHALL BE REBUILT WITH THE FRAME AND GRATE SET, AND CONCRETE FINISHED, TO THE FINAL PAVEMENT GRADE.
2. TYPE II CATCH BASINS - RESET EXISTING FRAME AND GRATE. IF ANY FRAMES OR GRATES ARE NOT USABLE MTA WILL SUPPLY.
3. TYPE IV CATCH BASINS - RESET EXISTING FRAME AND GRATE. IF ANY FRAMES OR GRATES ARE NOT USABLE MTA WILL SUPPLY.
4. REMOVE UNSOUND CONCRETE (2" MIN.) AND REPLACE WITH NEW CONCRETE IF DIRECTED BY THE RESIDENT.

REBUILD CATCH BASIN TO GRADE - TYPE II
N.T.S.

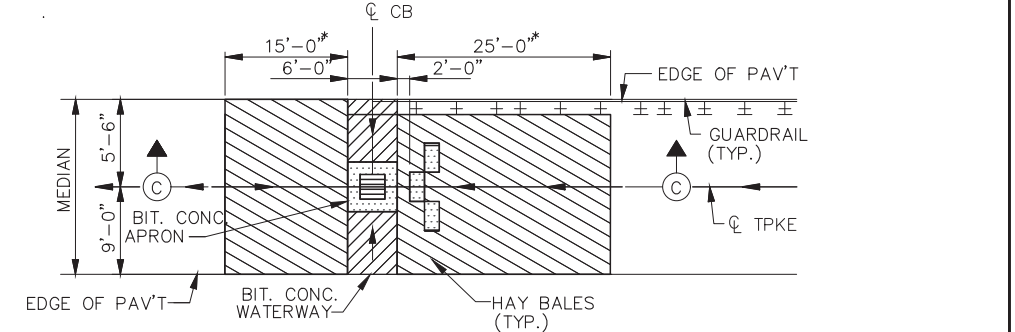


PLAN VIEW

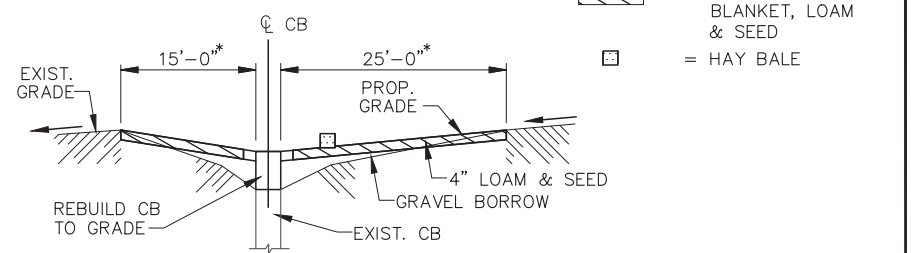


SECTION A-A

REBUILD CATCH BASIN
IN MEDIAN
N.T.S.



PLAN VIEW



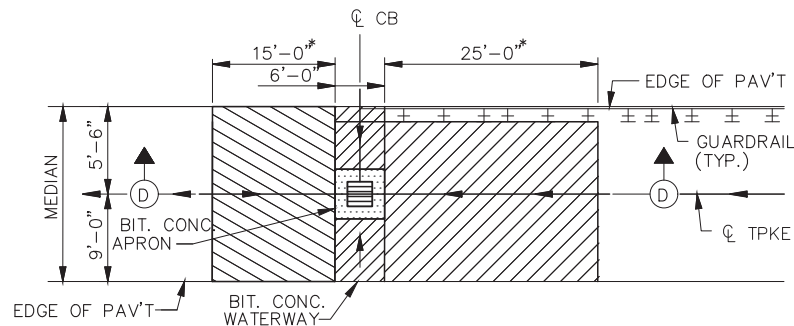
SECTION C-C

NOTES:

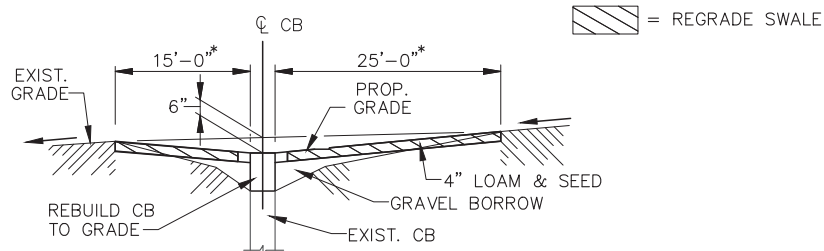
1. INSTALL MINIMUM OF 3 HAY BALES UP STREAM.
2. THE EXACT LOCATION AND NUMBER OF BALES SHALL BE AS DIRECTED BY THE RESIDENT.

* EXACT DISTANCE TO BE DETERMINED IN FIELD BY RESIDENT

PROPOSED EROSION CONTROL AT MEDIAN
N.T.S.



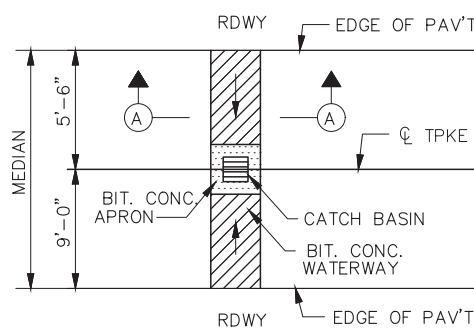
PLAN VIEW



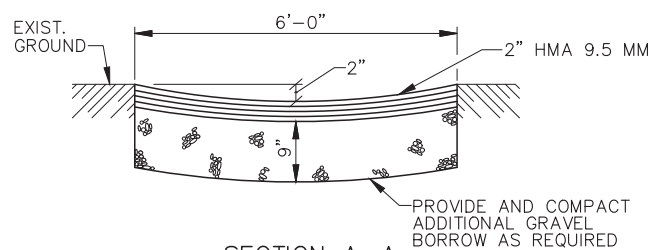
SECTION D-D

* EXACT DISTANCE TO BE DETERMINED IN FIELD BY RESIDENT

RIM ELEVATION FOR TYPE IV CATCH BASIN
N.T.S.



PLAN VIEW



SECTION A-A

BITUMINOUS CONCRETE WATERWAY, TYPE I
N.T.S.

Scale:
NOT TO SCALE

Designed by:



MAINE TURNPIKE AUTHORITY
2360 Congress Street
Portland, ME 04102
TEL (207) 871-7771
FAX (207) 879-5567



THE GOLD STAR
MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Joseph R. Leavitt, P.E.

PAVEMENT REHABILITATION

DRAINAGE DETAILS I

SHEET NUMBER: P-3

CONTRACT: 2022.01

6 of 24

No.	Revision	By	Date

	By	Date		By	Date
Designed	JRL	01/31/22	Checked	JED	01/31/22
Drawn	BMB	01/31/22	In Charge of	SRT	01/31/22

DIMENSIONS FOR SLOPE OF 2:1

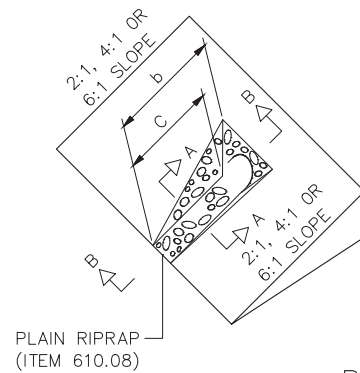
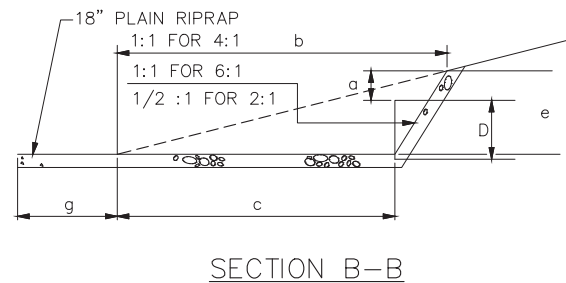
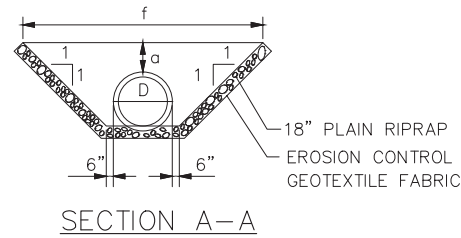
D	A (FT)	B (FT)	C (FT)	E (FT)	F (FT)	G (FT)	STONE DEPTH (FT)	STONE (CY)
12"	1.00	4.00	3.00	2.00	6.00	1.00	1.50	1.30
15"	1.00	4.50	3.37	2.25	6.75	1.63	1.50	1.70
18"	1.00	5.00	3.75	2.50	7.50	2.25	1.50	2.09
24"	1.00	6.00	4.50	3.00	9.00	3.50	1.50	3.12
30"	1.00	7.00	5.25	3.50	10.50	4.75	1.50	4.33

DIMENSIONS FOR SLOPE OF 6:1

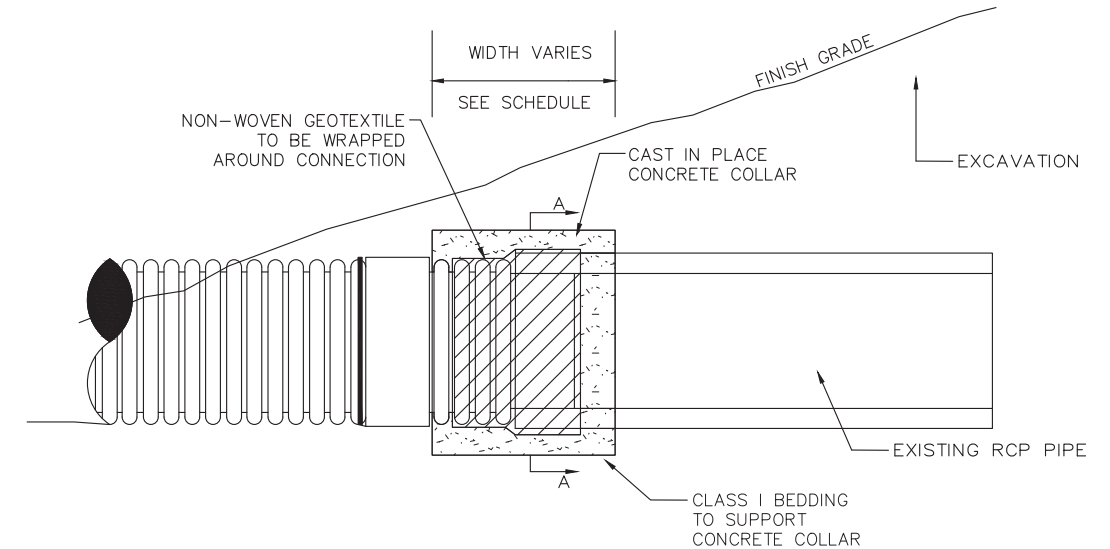
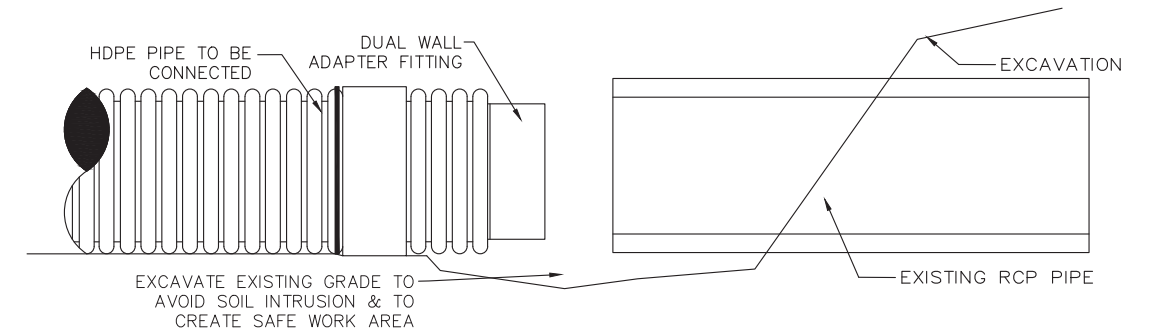
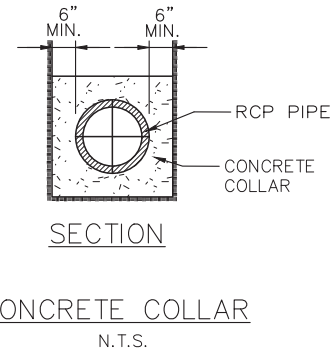
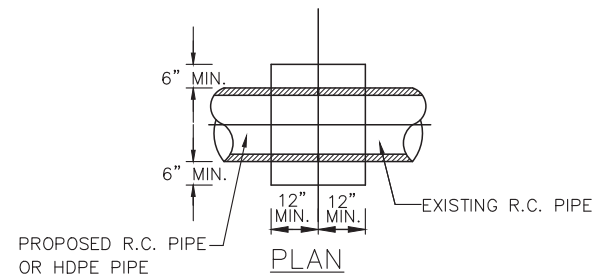
D	A (FT)	B (FT)	C (FT)	E (FT)	F (FT)	G (FT)	STONE DEPTH (FT)	STONE (CY)
12"	0.50	9.00	7.50	1.50	4.50	0.00	1.50	2.30
15"	0.50	10.50	8.75	1.75	5.50	0.00	1.50	2.93
18"	0.50	12.00	10.00	2.00	6.50	0.00	1.50	3.57
24"	0.50	15.00	12.50	2.50	8.00	0.00	1.50	5.44
30"	0.50	18.00	15.00	3.00	9.50	0.00	1.50	7.71

DIMENSIONS FOR SLOPE OF 4:1

D	A (FT)	B (FT)	C (FT)	E (FT)	F (FT)	G (FT)	STONE DEPTH (FT)	STONE (CY)
12"	1.00	8.00	6.00	2.00	6.00	0.00	1.50	2.20
15"	1.00	9.00	6.75	2.25	6.75	0.00	1.50	2.80
18"	1.00	10.00	7.50	2.50	7.50	0.00	1.50	3.40
24"	1.00	12.00	9.00	3.00	9.00	0.00	1.50	4.86
30"	1.00	14.00	10.50	3.50	10.50	0.00	1.50	6.58



ROADWAY CULVERT END SLOPE TREATMENT
N.T.S.



NOTES:

1. THE DIMENSIONS SHOWN ARE APPROXIMATE AND MAY BE MODIFIED BY THE RESIDENT.
2. STONE QUANTITIES ARE FOR ONE END OF THE PIPE.


NOTES:

1. CONNECTION AND PIPE TO BE BACKFILLED PER ASTM D2321 (CRUSHED STONE).
2. CONCRETE SHALL BE CLASS A FIBER REINFORCED.
3. SEE CONCRETE COLLAR WIDTH SCHEDULE FOR DIMENSIONS.
4. CONCRETE COLLAR SHALL BE FORMED IN PLACE.

CONCRETE COLLAR WIDTH SCHEDULE

PIPE DIA. (INCHES)	WIDTH OF CONC. (INCHES)
12	24
15	24
18	24
24	24
30	30
36	36
42	48
48	48

Scale: NOT TO SCALE			
No.	Revision	By	Date

Designed by:			
			
	By	Date	
	JRL	01/31/22	
	Checked	JED	01/31/22
	Drawn	BMB	01/31/22
	In Charge of	SRT	01/31/22

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Portland, ME 04102
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FAX (207) 879-5567

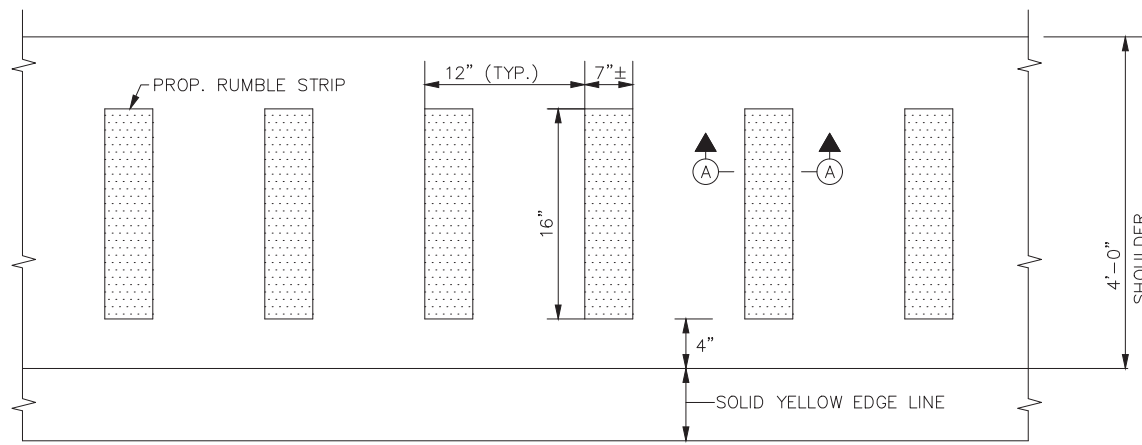


THE GOLD STAR MEMORIAL HIGHWAY

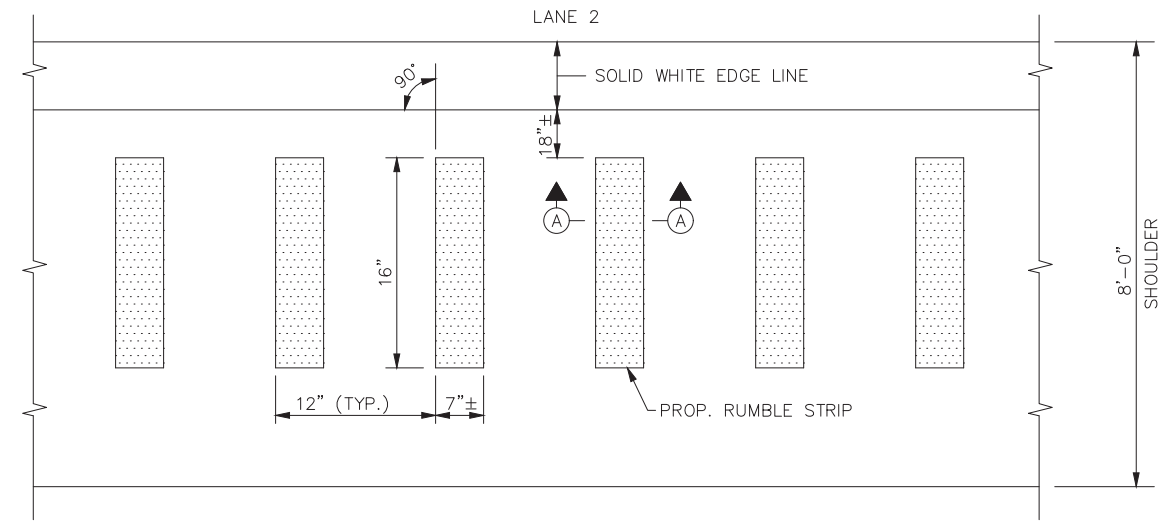
MTA PROJECT MANAGER: Joseph R. Leavitt, P.E.

PAVEMENT REHABILITATION
DRAINAGE DETAILS II

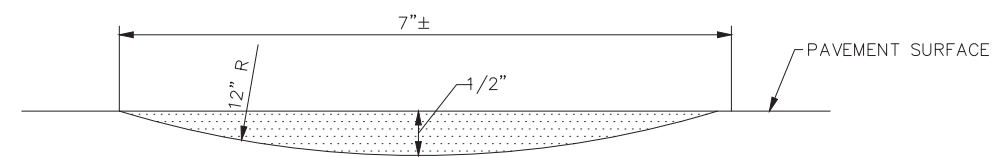
SHEET NUMBER: P-4
CONTRACT: 2022.01
7 of 24



LANE 1
PLAN VIEW - LANE 1
N.T.S.

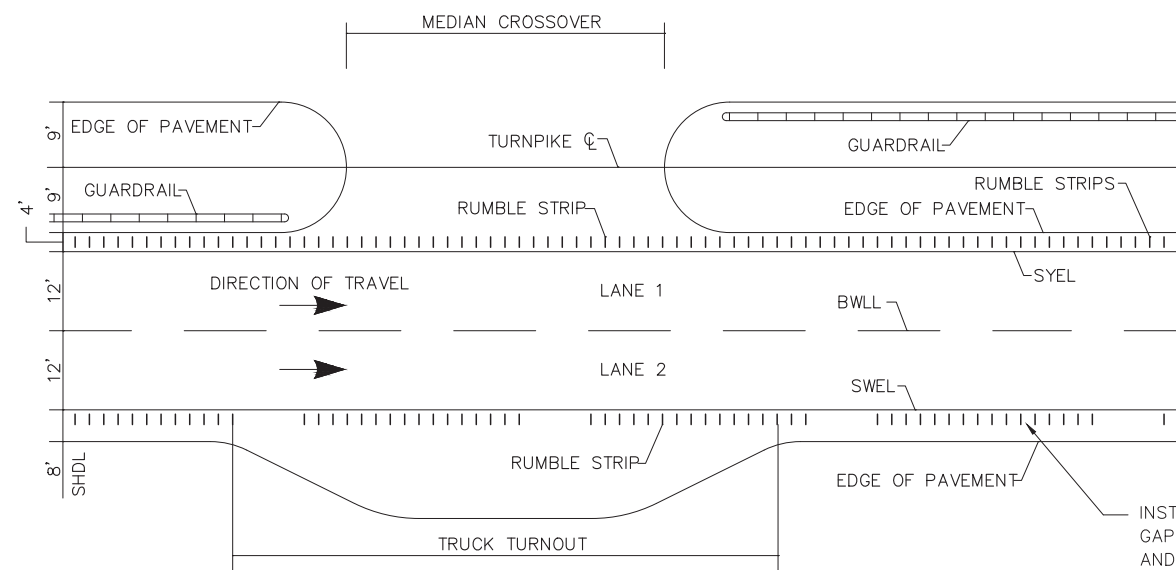


LANE 2
PLAN VIEW - LANE 2
N.T.S.



SECTION A-A
N.T.S.

RUMBLE STRIPS DETAILS
N.T.S.



LOCATION OF RUMBLE STRIPS
CROSSOVERS & TRUCK TURNOUTS
N.T.S.

INSTALL LANE 2 RUMBLE STRIPS WITH A 20' GAP EVERY 100'. (I.E. 80' OF RUMBLE STRIP AND 20' OF NO RUMBLE STRIP; REPEAT...)

NOTES

- 202.2025 RUMBLE STRIPS: AN ADDITIONAL QUANTITY OF APPROXIMATELY 1,175 EA. RUMBLE STRIPS SHALL BE INSTALLED ENTERING THE NEW GLOUCESTER ORT / CASH LANES BOTH NB AND SB. SEE APPENDIX B. TRAFFIC CONTROL REQUIRED FOR THIS WORK SHALL BE SUPPLIED BY THE AUTHORITY AND NEEDS A 72 HOUR ADVANCE NOTICE.

Scale:
NOT TO SCALE

Designed by:



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THE GOLD STAR
MEMORIAL HIGHWAY

PAVEMENT REHABILITATION

MISCELLANEOUS DETAILS 1

No.	Revision	By	Date
1	Addendum	JRL	3/15/18

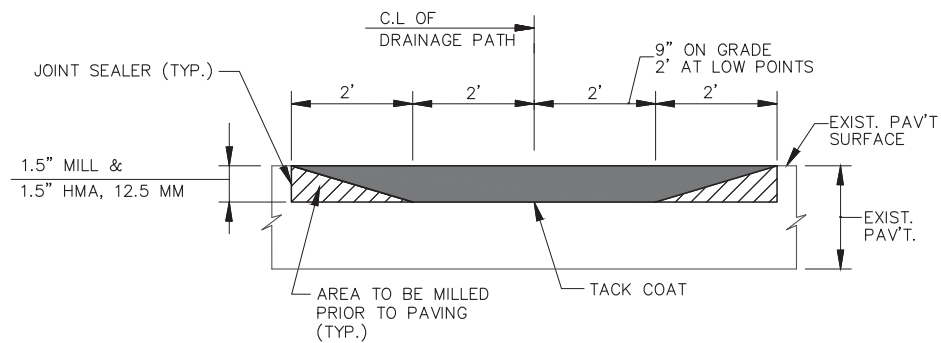
	By	Date		By	Date
Designed	JRL	01/31/22	Checked	JED	01/31/22
Drawn	BMB	01/31/22	In Charge of	SRT	01/31/22

MTA PROJECT MANAGER: Joseph R. Leavitt, P.E.

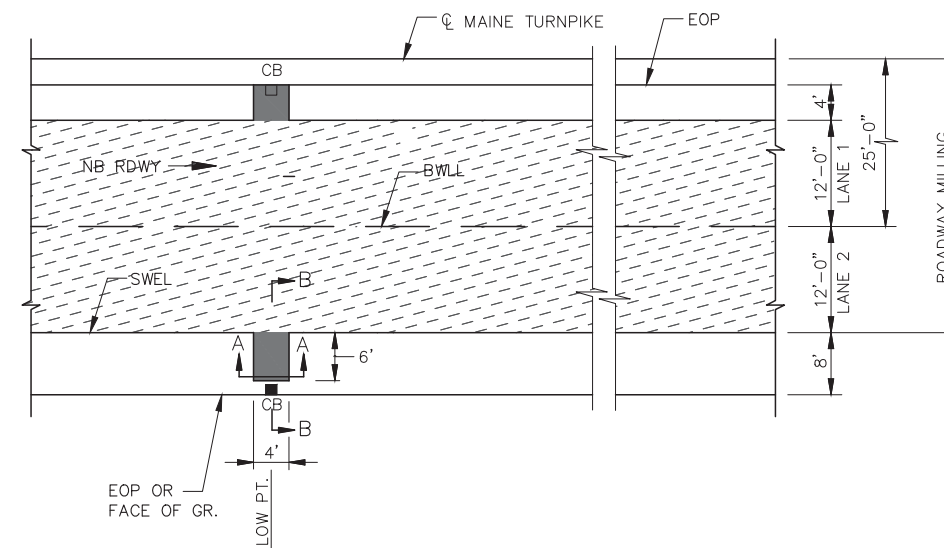
CONTRACT: 2022.01

SHEET NUMBER: P-5

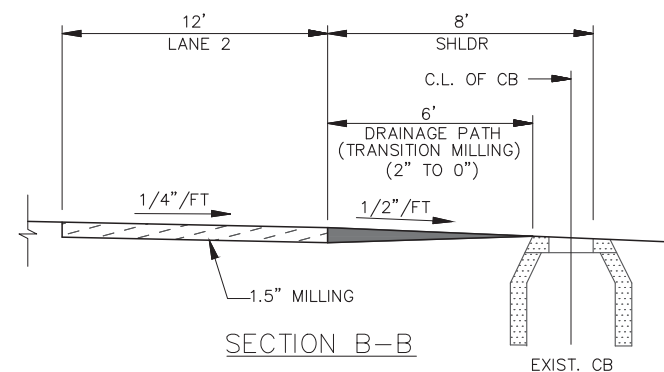
8 of 24



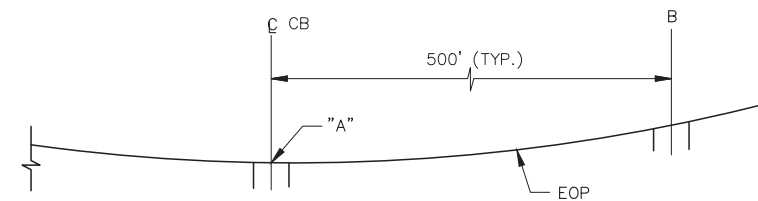
SECTION A-A



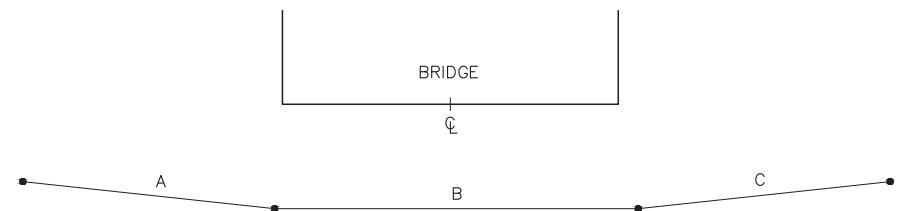
PLAN VIEW



SECTION B-B



PROFILE



DRAINAGE PATH DETAILS

LEGEND

- = DRAINAGE PATH MILLING
- = TRAVEL LANE MILLING

NOTES:

1. DRAINAGE PATH REQUIRED AT ALL LOW POINTS.

MILLING TRANSITIONS AT BRIDGE UNDERPASSES					
			A	B	C
HIGH ST.	MM 103.6	NB/SB	140'	100'	140'
MAPLE ST.	MM 106.0	NB/SB	140'	100'	140'
LITCHFIELD RD.	MM 106.9	NB/SB	140'	100'	140'
WINTHROP ST.	MM 108.3	NB/SB	140'	100'	140'

NOTES:

1. PAVEMENT GRADES SHALL NOT CHANGE AT THESE FOUR BRIDGE UNDERPASSES.

Scale: NOT TO SCALE

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THE GOLD STAR
MEMORIAL HIGHWAY

PAVEMENT REHABILITATION

MISCELLANEOUS DETAILS II

No.	Revision	By	Date

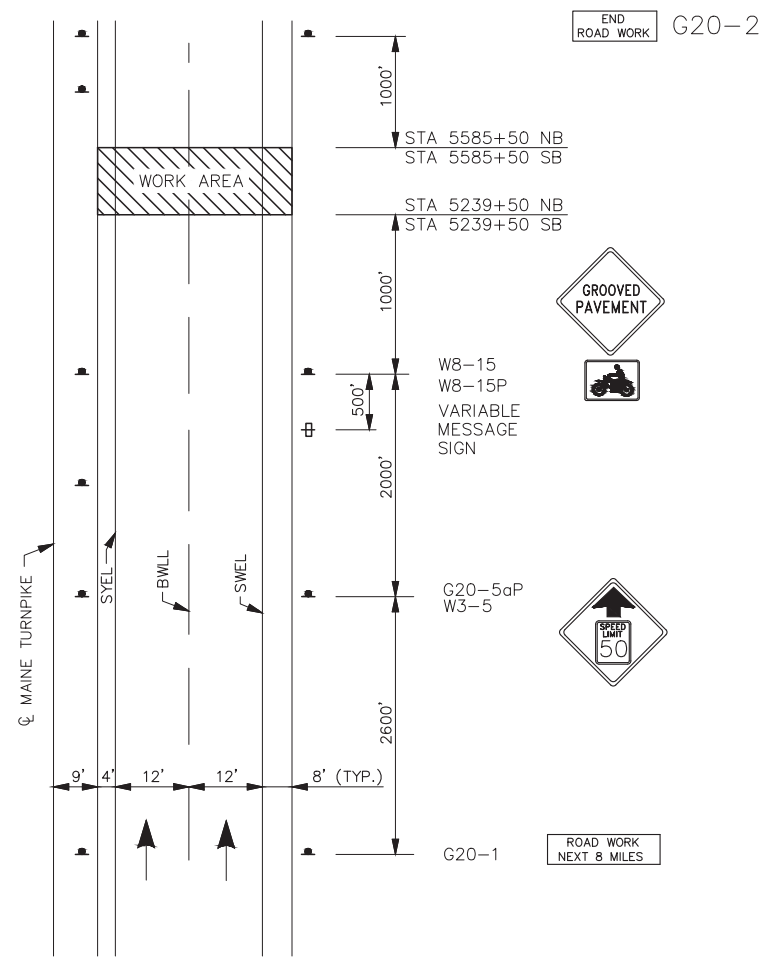
	By	Date	By	Date	
Designed	JRL	01/31/22	Checked	JED	01/31/22
Drawn	BMB	01/31/22	In Charge of	SRT	01/31/22

MTA PROJECT MANAGER: Joseph R. Leavitt, P.E.

CONTRACT: 2022.01

SHEET NUMBER: P-6

9 of 24



MAINLINE PAVING
ADVANCED PROJECT SIGNING

NOTES:

1. FOR SIGN DETAILS, SEE SIGN SUMMARY SHEETS.
2. ALL SIGNS ARE TO BE MOUNTED ON NCHRP 350 APPROVED POSTS.
3. UNCOVER W8-15 AND W8-15P SIGNS WHEN PAVEMENT IS MILLED OR AS DIRECTED BY THE RESIDENT.
4. PROVIDE W8-15 AND W8-15P AT ALL MILLED LOCATIONS.

Scale:
NOT TO SCALE

Designed by:



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THE GOLD STAR
MEMORIAL HIGHWAY

PAVEMENT REHABILITATION
CLEAR ZONE IMPROVEMENTS
TRAFFIC CONTROL DETAILS I

No.	Revision	By	Date

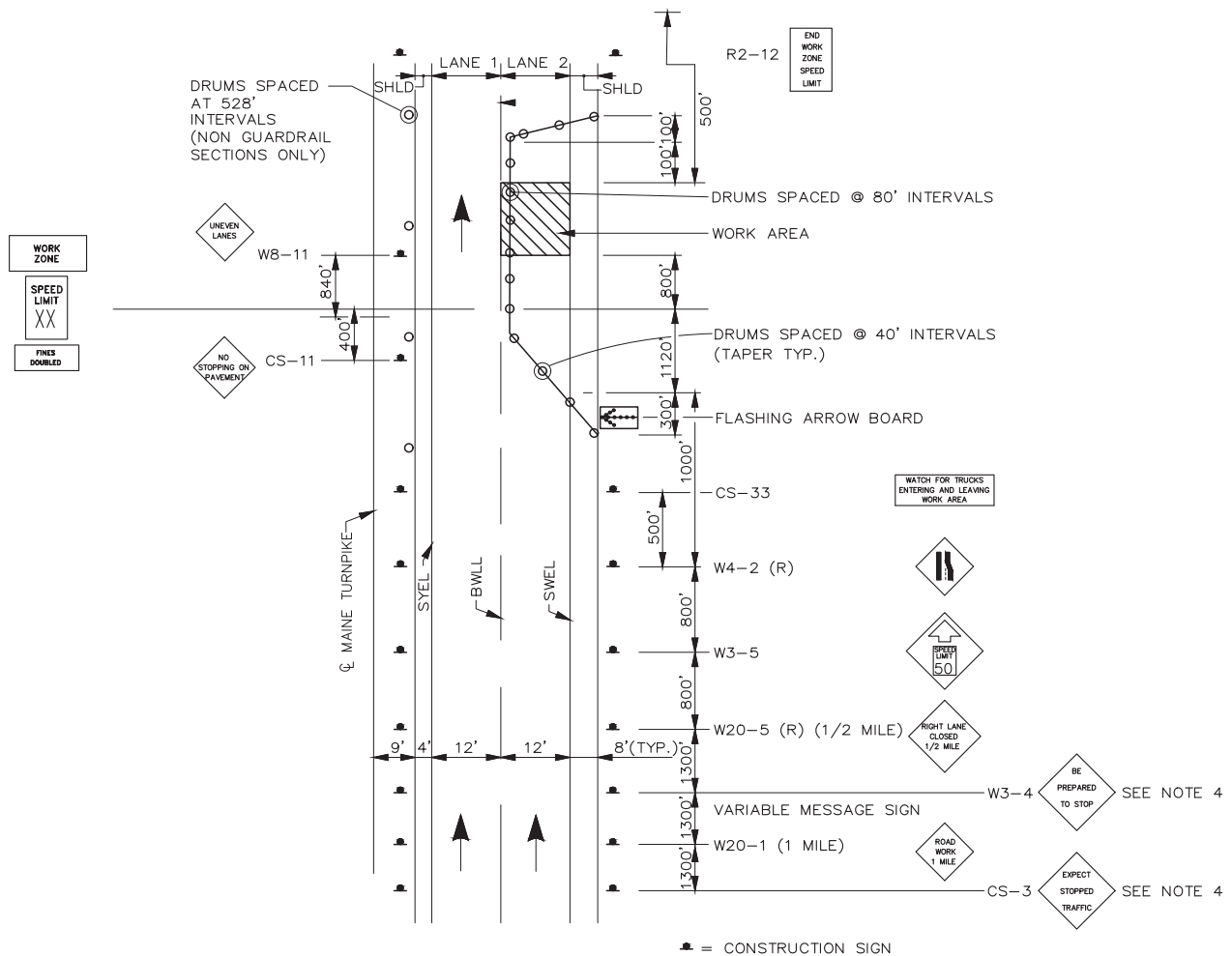
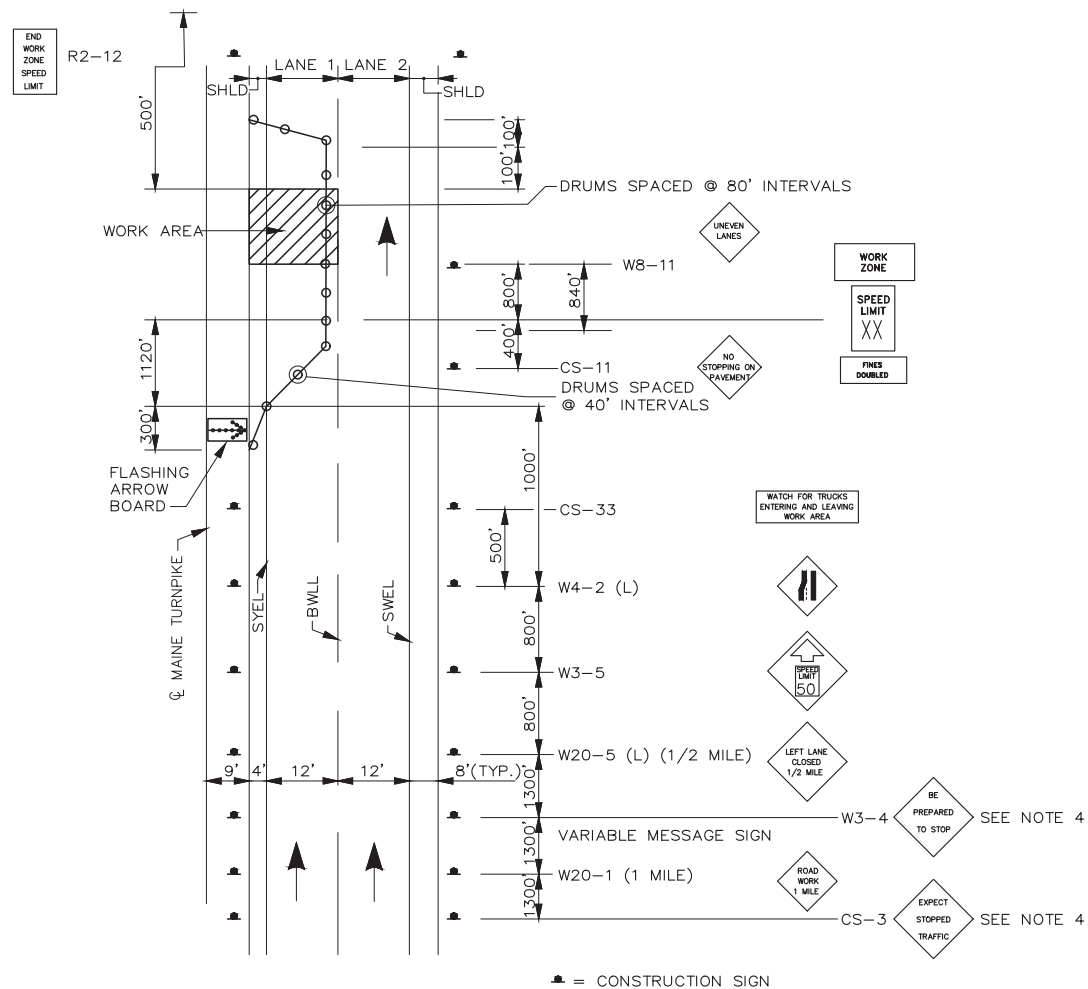
	By	Date		By	Date
Designed	JRL	01/31/22	Checked	JED	01/31/22
Drawn	BMB	01/31/22	In Charge of	SRT	01/31/22

MTA PROJECT MANAGER: Joseph R. Leavitt, P.E.

CONTRACT: 2022.01

SHEET NUMBER: T-1

10 of 24



STANDARD SINGLE LANE CLOSURE
LANE 2

NOTES:

- FOR SIGN DETAILS, SEE SIGN SUMMARY SHEETS.
- ALL TEMPORARY LANE CLOSURE SIGNS ARE TO BE MOUNTED ON NCHRP 350 APPROVED EASELS.
- STANDARD SINGLE LANE CLOSURE SHALL BE USED FOR ALL OPERATIONS. FOR PAVING, MILLING AND PAVEMENT MARKINGS LANE SHIFT SHALL BE ADDED.
- ERECT CS-3 AND W3-4 SIGNS IMMEDIATELY PRIOR TO SCHEDULED STOPPAGES FOR EQUIPMENT MOVES AND REMOVE THE CS-3 AND W3-4 SIGNS IMMEDIATELY AFTER THE SCHEDULED STOPPAGES ARE COMPLETE.

Scale: NOT TO SCALE			
No.	Revision	By	Date

Designed by:					
	By	Date		By	Date
	JRL	01/31/22	Checked	JED	01/31/22
	BMB	01/31/22	In Charge of	SRT	01/31/22

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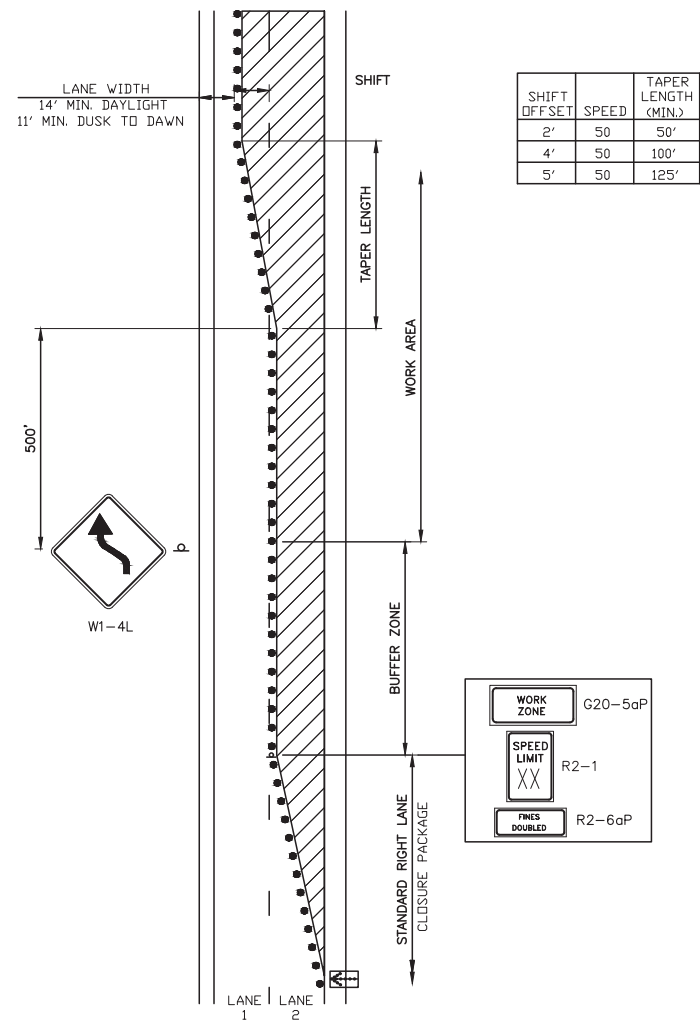
MTA PROJECT MANAGER: Joseph R. Leavitt, P.E.

PAVEMENT REHABILITATION
CLEAR ZONE IMPROVEMENTS

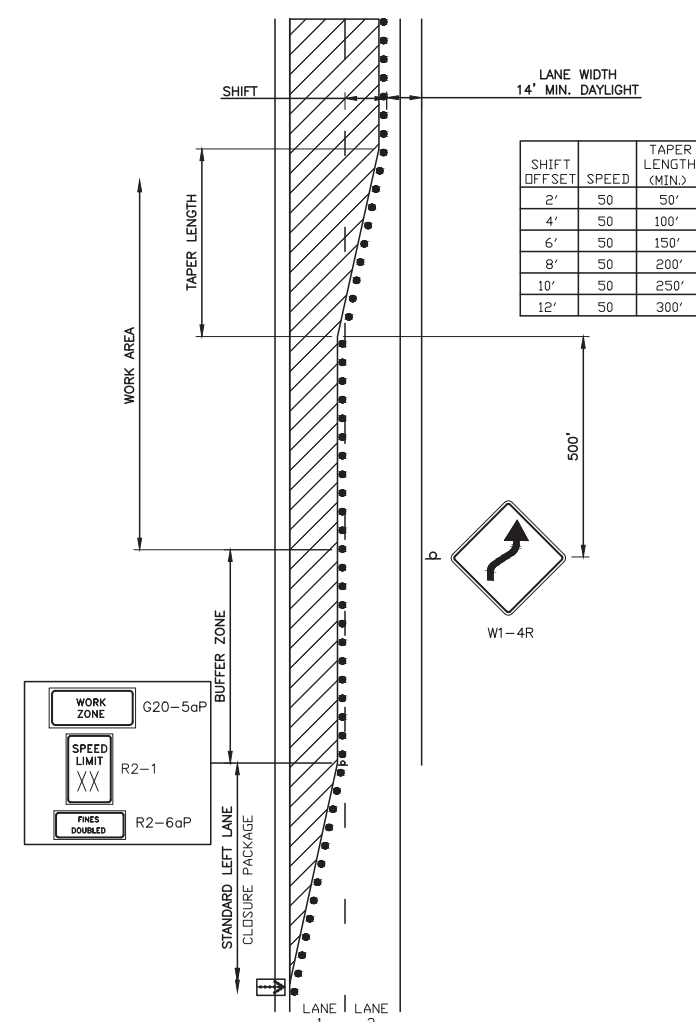
TRAFFIC CONTROL
LANE CLOSURE DETAILS II

SHEET NUMBER: T-2

CONTRACT: 2022.01 11 of 24



SINGLE RIGHT LANE CLOSURE WITH LEFT LANE SHIFT ON TO SHOULDER
N.T.S.



SINGLE LANE CLOSURE WITH RIGHT LANE SHIFT ON TO SHOULDER
N.T.S.

Scale:
NOT TO SCALE

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THE GOLD STAR
MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Joseph R. Leavitt, P.E.

PAVEMENT REHABILITATION
CLEAR ZONE IMPROVEMENTS

TRAFFIC CONTROL
LANE CLOSURE DETAILS III

SHEET NUMBER: T-3

No.	Revision	By	Date

	By	Date		By	Date
Designed	JRL	01/31/22	Checked	JED	01/31/22
Drawn	BMB	01/31/22	In Charge of	SRT	01/31/22

CONTRACT: 2022.01

12 of 24

NOTES:

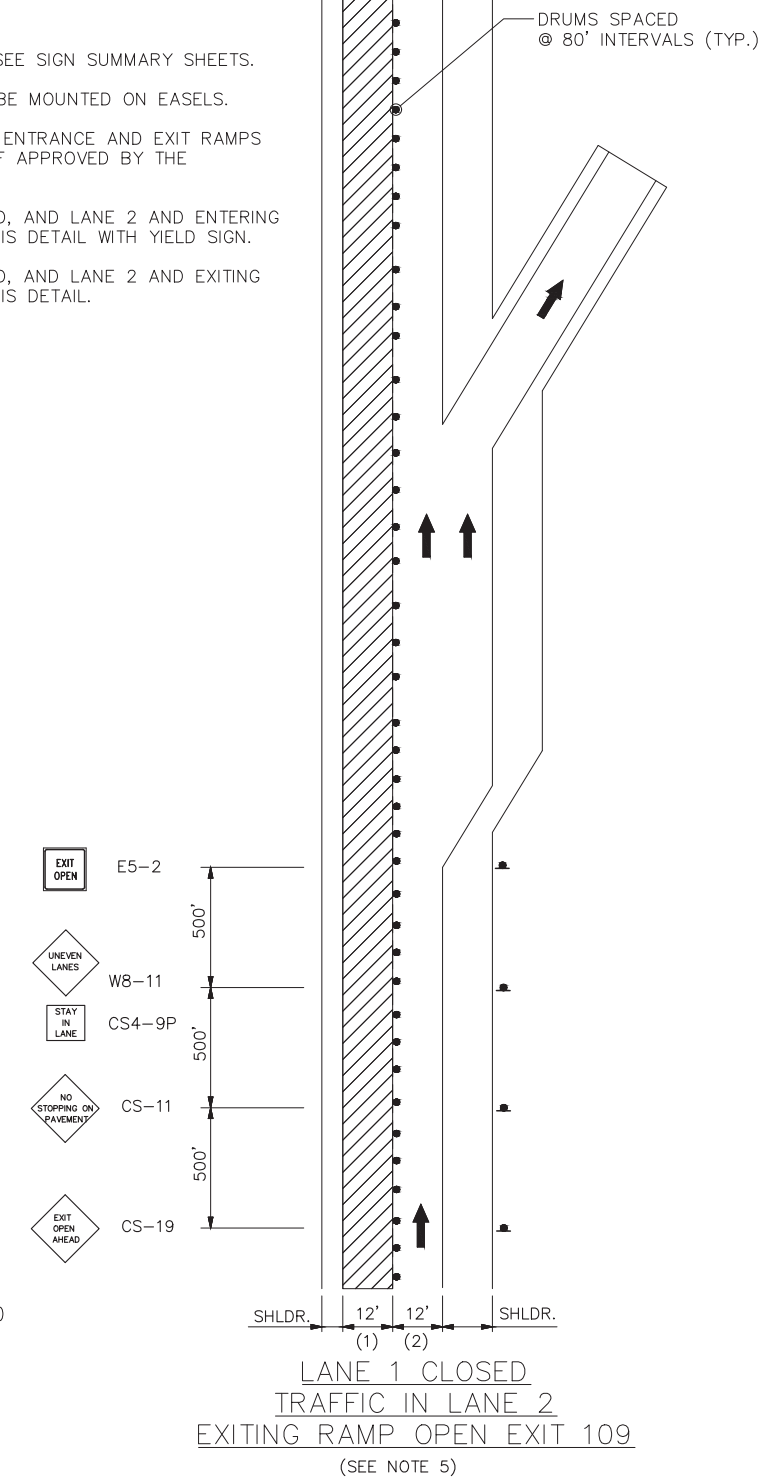
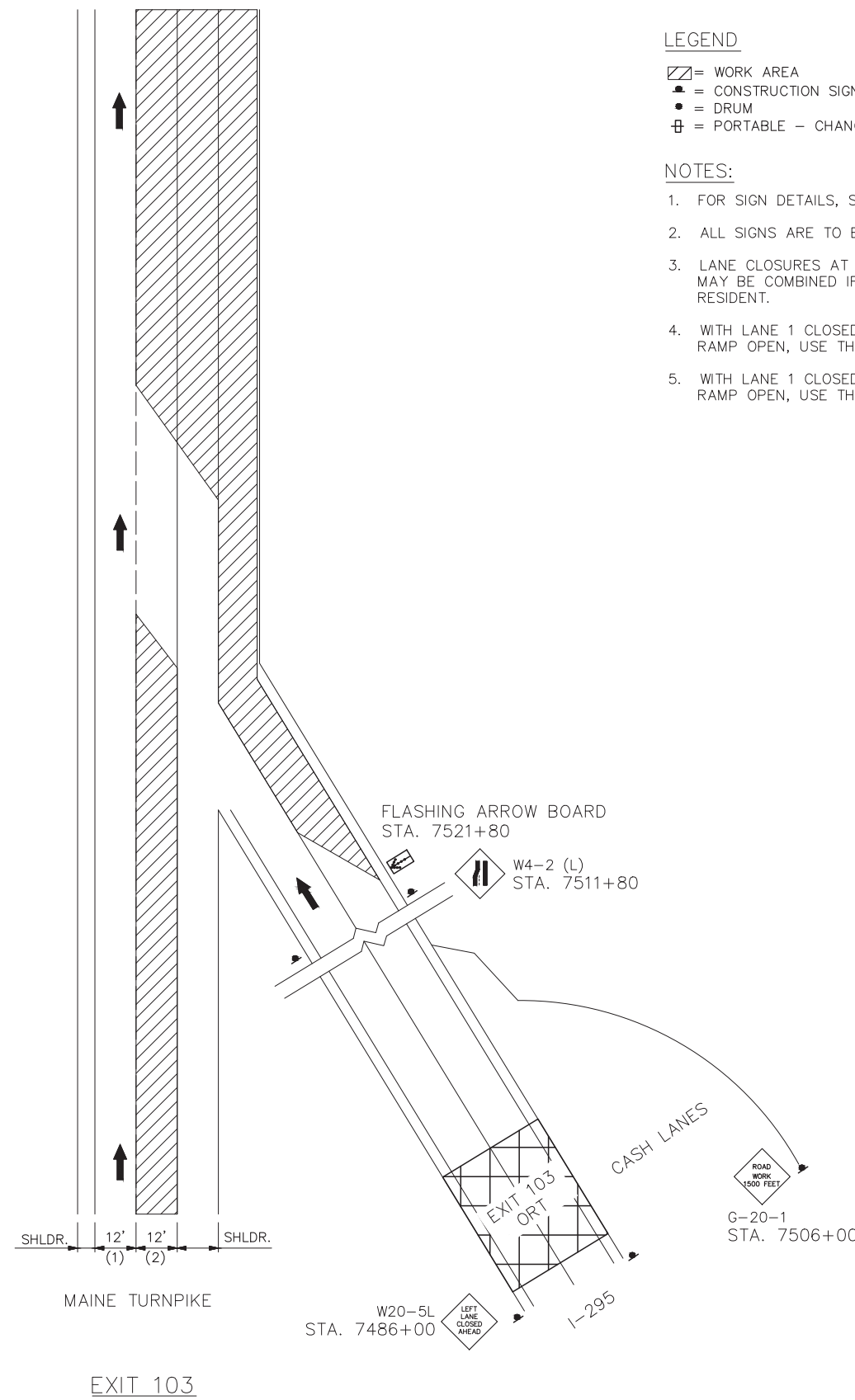
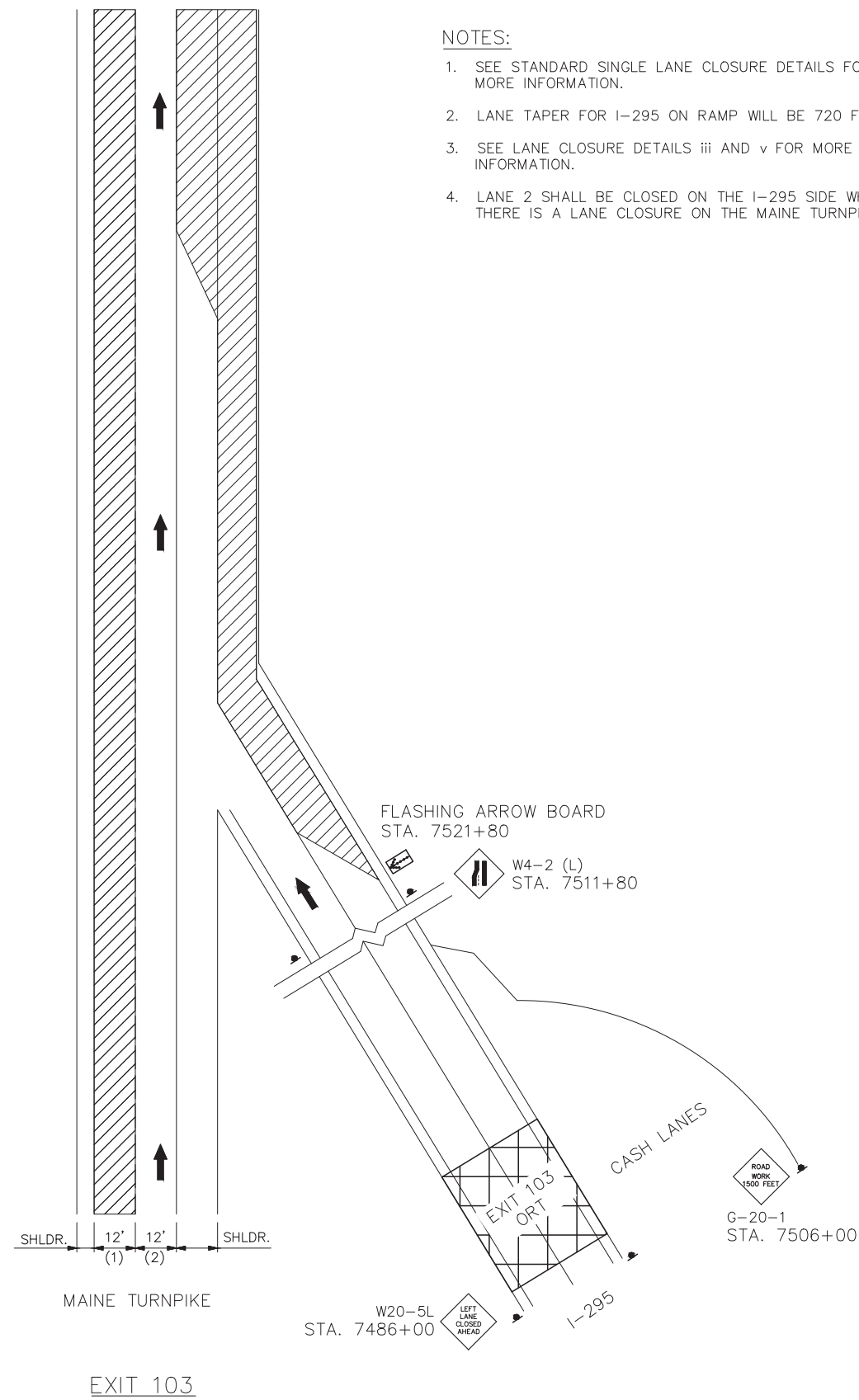
1. SEE STANDARD SINGLE LANE CLOSURE DETAILS FOR MORE INFORMATION.
2. LANE TAPER FOR I-295 ON RAMP WILL BE 720 FEET.
3. SEE LANE CLOSURE DETAILS iii AND v FOR MORE INFORMATION.
4. LANE 2 SHALL BE CLOSED ON THE I-295 SIDE WHEN THERE IS A LANE CLOSURE ON THE MAINE TURNPIKE.

LEGEND

- ▨ = WORK AREA
- ▲ = CONSTRUCTION SIGN
- = DRUM
- ⊕ = PORTABLE - CHANGEABLE MESSAGE SIGN

NOTES:

1. FOR SIGN DETAILS, SEE SIGN SUMMARY SHEETS.
2. ALL SIGNS ARE TO BE MOUNTED ON EASELS.
3. LANE CLOSURES AT ENTRANCE AND EXIT RAMP MAY BE COMBINED IF APPROVED BY THE RESIDENT.
4. WITH LANE 1 CLOSED, AND LANE 2 AND ENTERING RAMP OPEN, USE THIS DETAIL WITH YIELD SIGN.
5. WITH LANE 1 CLOSED, AND LANE 2 AND EXITING RAMP OPEN, USE THIS DETAIL.



Scale: NOT TO SCALE

Designed by:



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Portland, ME 04102
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**THE GOLD STAR
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: Joseph R. Leavitt, P.E.

PAVEMENT REHABILITATION
CLEAR ZONE IMPROVEMENTS

TRAFFIC CONTROL
LANE CLOSURE DETAILS IV

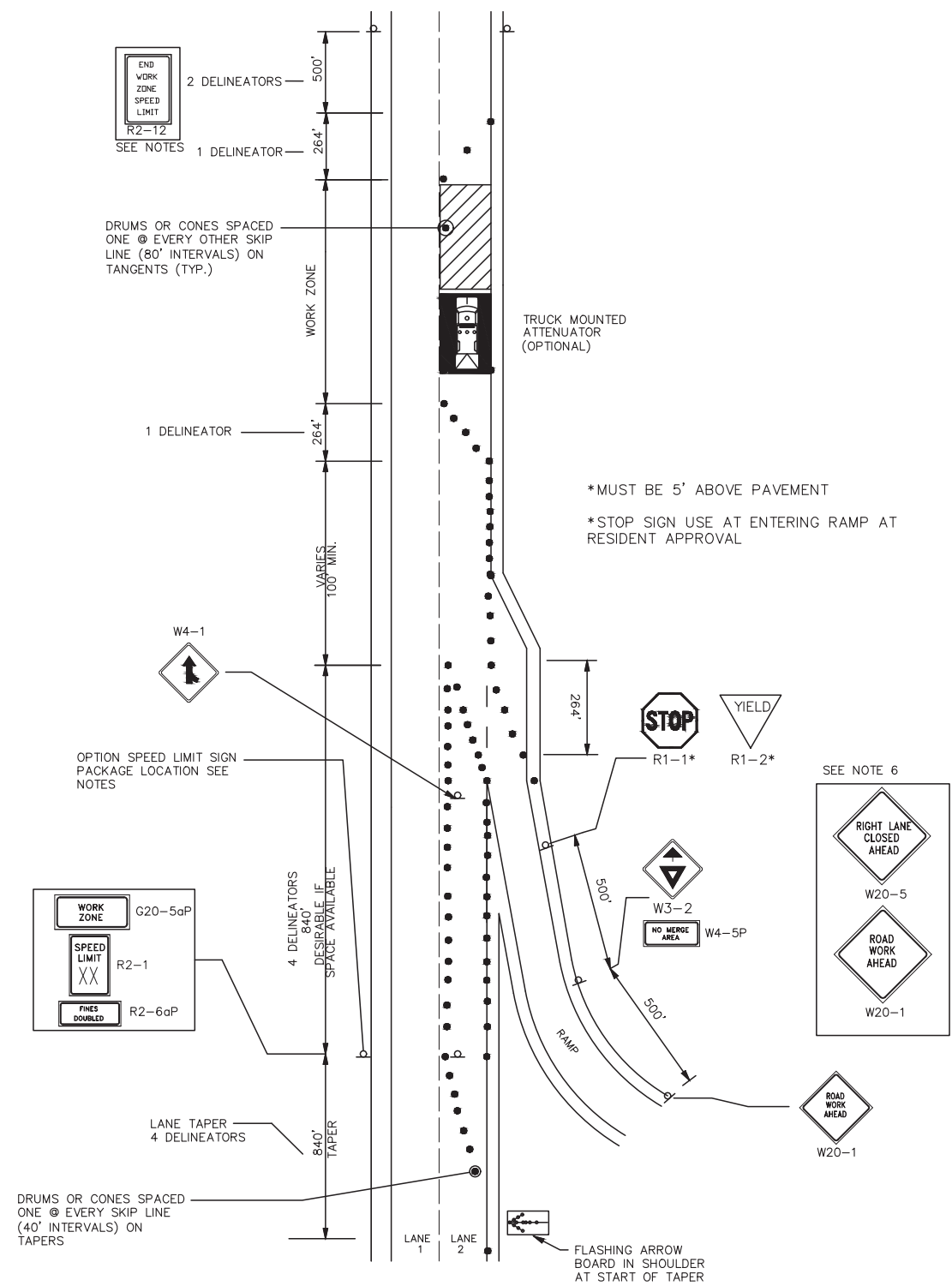
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No.	Revision	By	Date

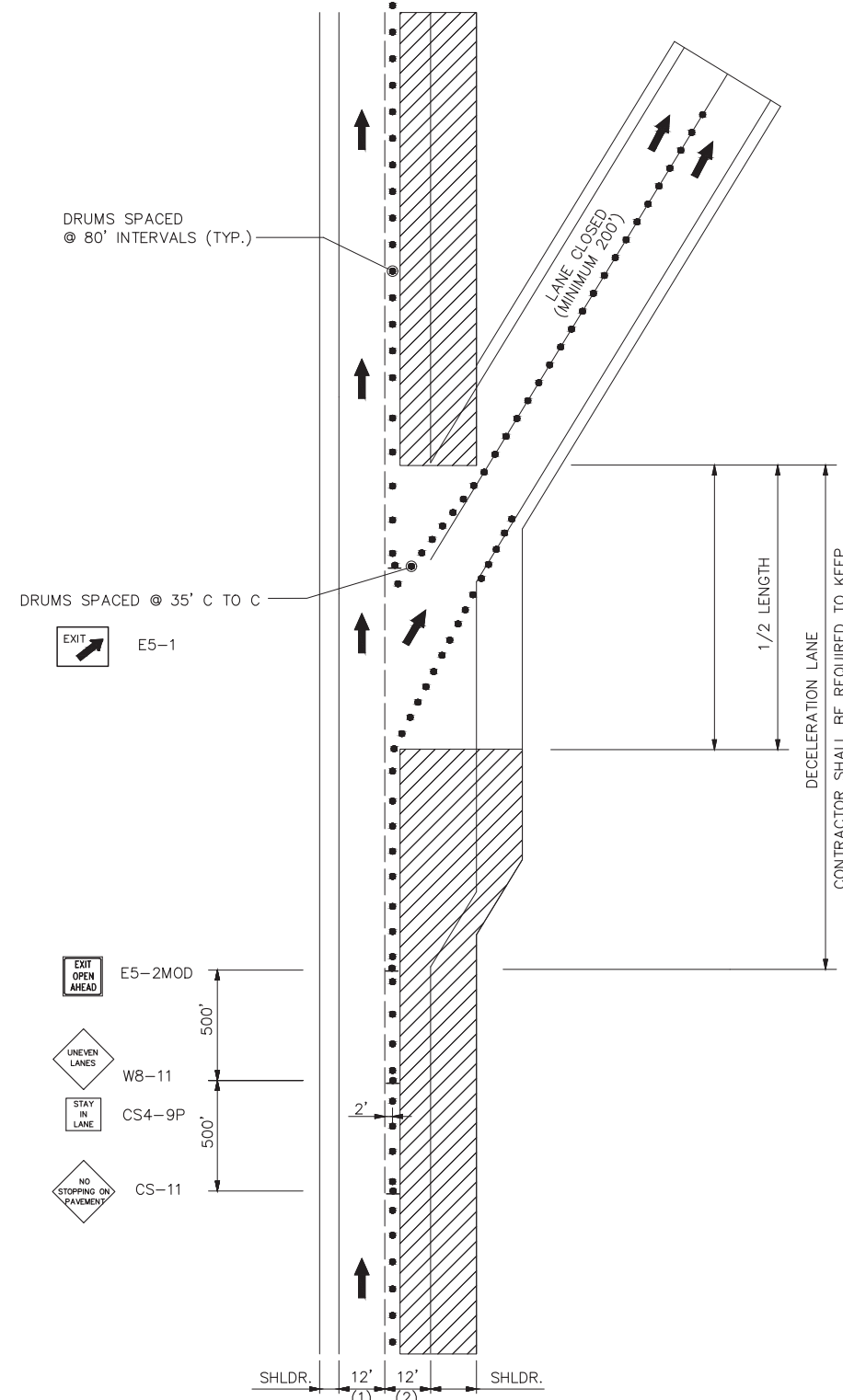
	By	Date		By	Date
Designed	JRL	01/31/22	Checked	JED	01/31/22
Drawn	BMB	01/31/22	In Charge of	SRT	01/31/22

CONTRACT: 2022.01

13 of 24



TRAVEL LANE CLOSURE AT AN ENTRANCE RAMP WITH ACCELERATION LANE



LANE 2 CLOSED TRAFFIC IN LANE 1 SOUTHBOUND EXITING RAMP OPEN

LEGEND

- = WORK AREA
- = CONSTRUCTION SIGN
- = DRUM
- = PORTABLE - CHANGEABLE MESSAGE SIGN

NOTES:

1. FOR SIGN DETAILS, SEE SIGN SUMMARY SHEETS.
2. ALL SIGNS ARE TO BE MOUNTED ON EASELS.
3. LANE CLOSURES AT ENTRANCE AND EXIT RAMP MAY BE COMBINED IF APPROVED BY THE RESIDENT.
4. WITH LANE 2 CLOSED, AND LANE 1 AND EXITING RAMP OPEN, USE THIS DETAIL AT EXIT 103 SOUTHBOUND EXITING.

Scale: NOT TO SCALE

No.	Revision	By	Date

Designed by:

	By	Date		By	Date
Designed	JRL	01/31/22	Checked	JED	01/31/22
Drawn	BMB	01/31/22	In Charge of	SRT	01/31/22

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THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Joseph R. Leavitt, P.E.

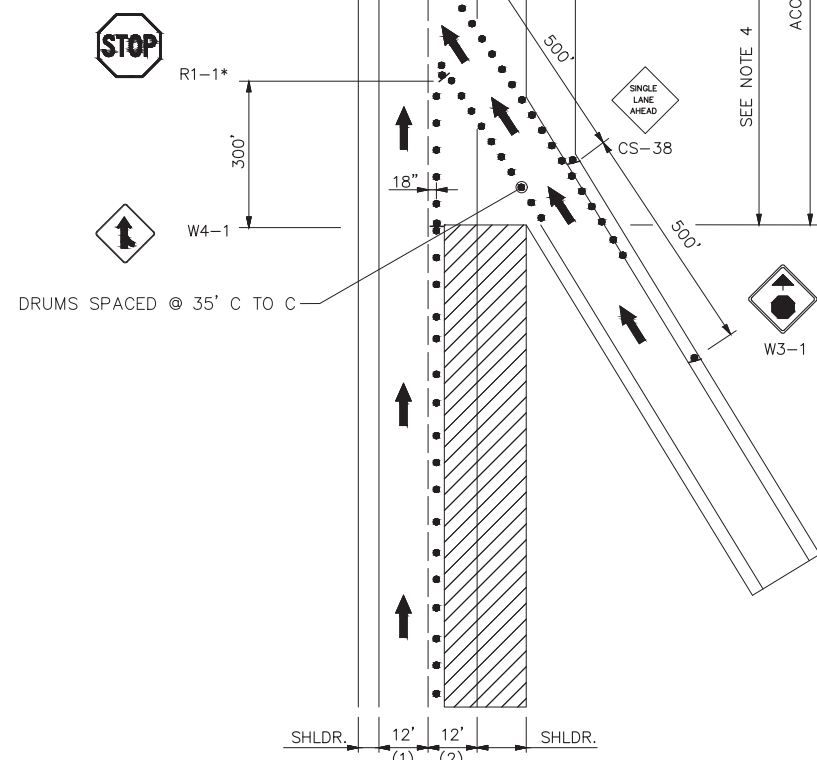
PAVEMENT REHABILITATION
 CLEAR ZONE IMPROVEMENTS

TRAFFIC CONTROL
 LANE CLOSURE DETAILS V

SHEET NUMBER: T-5
 CONTRACT: 2022.01
 14 of 24

DRUMS SPACED @ 80' INTERVALS (TYP.)

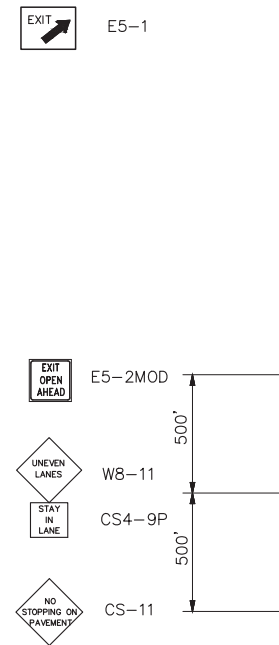
*MUST BE 5' ABOVE PAVEMENT
*STOP SIGN USE AT ENTERING RAMP AT RESIDENT APPROVAL



LANE 2 CLOSED
TRAFFIC IN LANE 1
ENTERING RAMP OPEN
(SEE NOTE 4)

CONTRACTOR SHALL BE REQUIRED TO KEEP 1/2 OF LENGTH OPEN AT ALL TIMES. CONTRACTOR SHALL RELOCATE CONSTRUCTION SIGNS AS DIRECTED BY THE RESIDENT.

DRUMS SPACED @ 35' C TO C



LANE 2 CLOSED
TRAFFIC IN LANE 1
EXITING RAMP OPEN
(SEE NOTE 5)

CONTRACTOR SHALL BE REQUIRED TO KEEP 1/2 OF LENGTH OPEN AT ALL TIMES. CONTRACTOR SHALL RELOCATE CONSTRUCTION SIGNS AS DIRECTED BY THE RESIDENT.

LEGEND

- = WORK AREA
- = CONSTRUCTION SIGN
- = DRUM
- = PORTABLE - CHANGEABLE MESSAGE SIGN

NOTES:

1. FOR SIGN DETAILS, SEE SIGN SUMMARY SHEETS.
2. ALL SIGNS ARE TO BE MOUNTED ON EASELS.
3. LANE CLOSURES AT ENTRANCE AND EXIT RAMP MAY BE COMBINED IF APPROVED BY THE RESIDENT.
4. WITH LANE 2 CLOSED, AND LANE 1 AND ENTERING RAMP OPEN, USE THIS DETAIL WITH STOP SIGN.
5. WITH LANE 2 CLOSED, AND LANE 1 AND EXITING RAMP OPEN, USE THIS DETAIL.

Scale: NOT TO SCALE			
No.	Revision	By	Date

Designed by:					
	By	Date		By	Date
	JRL	01/31/22	Checked	JED	01/31/22
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THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Joseph R. Leavitt, P.E.

PAVEMENT REHABILITATION
CLEAR ZONE IMPROVEMENTS

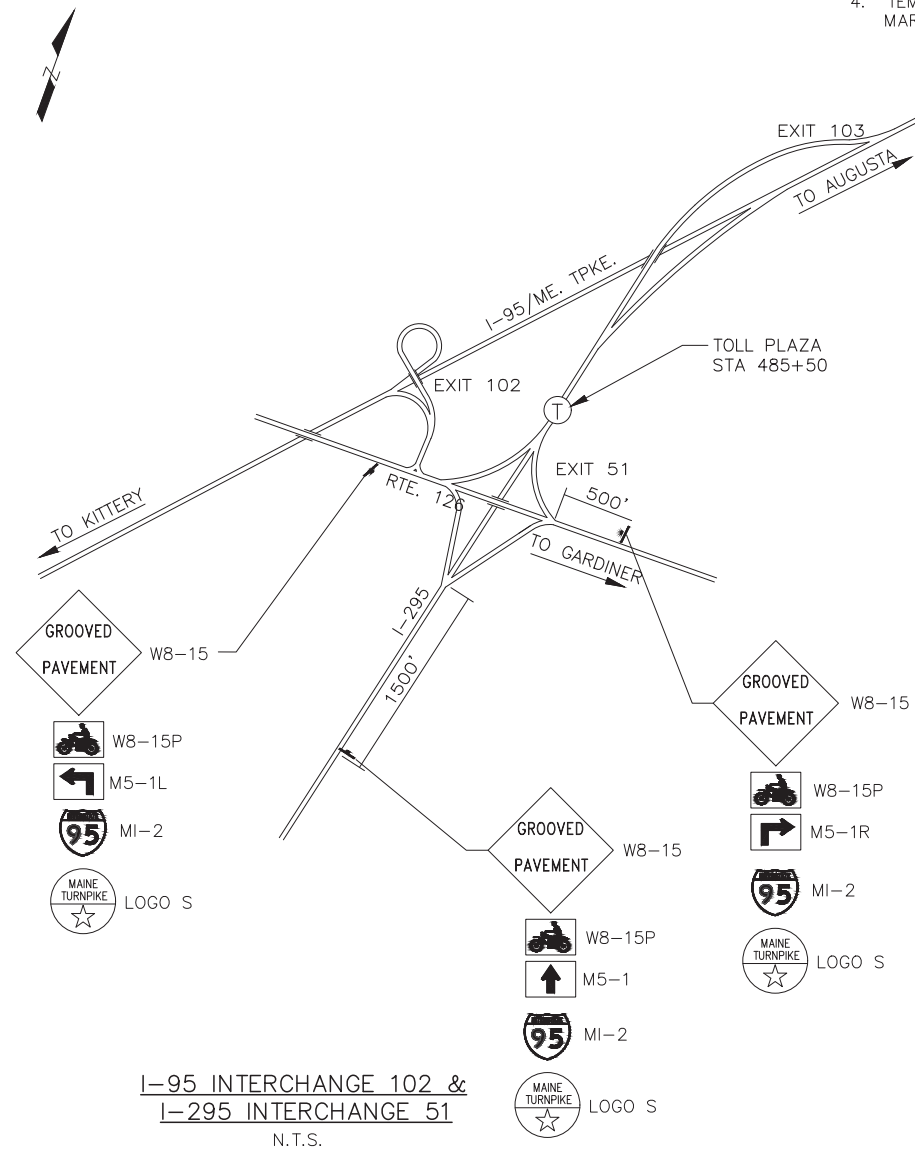
TRAFFIC CONTROL
LANE CLOSURE DETAILS VI

SHEET NUMBER: T-6

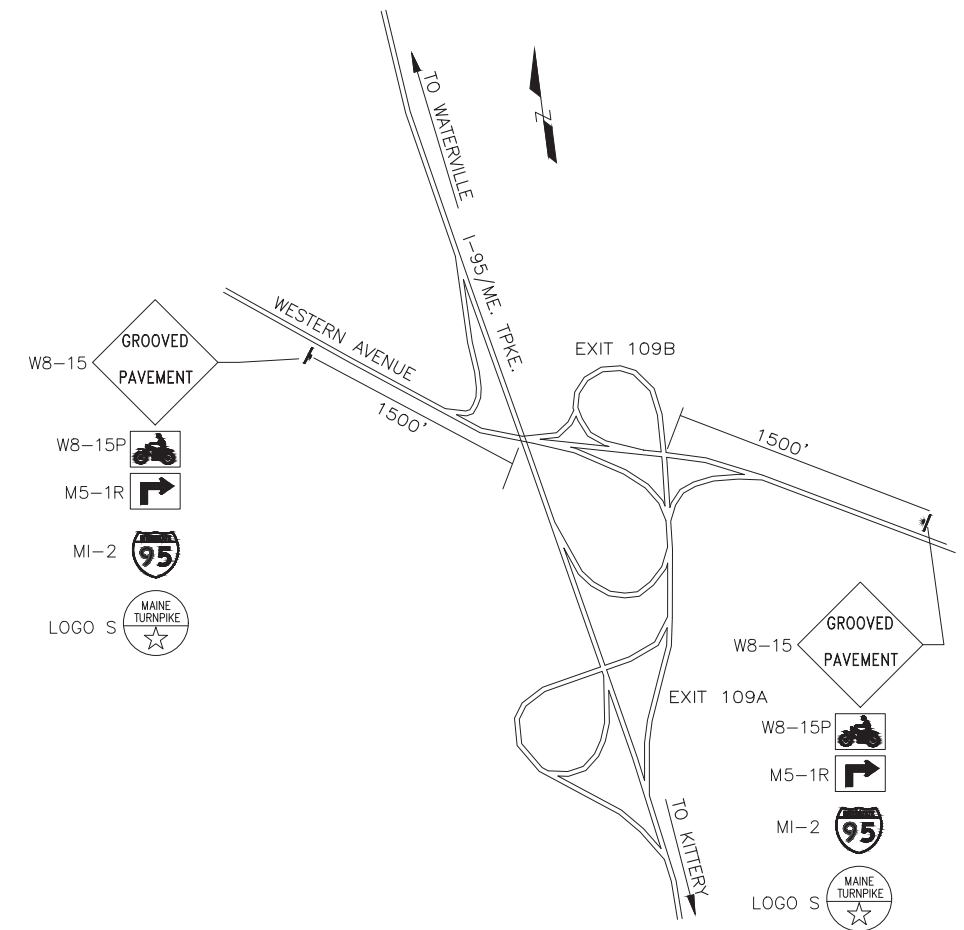
CONTRACT: 2022.01 15 of 24

GENERAL MAINTENANCE OF TRAFFIC NOTES:

1. ALL WORK TO CONFORM TO MAINE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGES 2014 EDITION, EXCEPT AS MODIFIED BY THE MAINE TURNPIKE AUTHORITY'S GENERAL AND SPECIAL PROVISIONS.
2. ALL PAVEMENT STRIPING & SIGNING SHALL BE IN ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", U.S.D.O.T., F.H.W.A., LATEST EDITION.
3. THESE PLANS SHOW THE GENERAL CONDITION FOR TURNPIKE MAINLINE TRAFFIC CONTROL. DURING CONSTRUCTION, SLIGHT MODIFICATIONS IN CONSTRUCTION PROCEDURE MAY OCCUR AND MAY REQUIRE SOME MINOR ADJUSTMENTS TO BE MADE IN THE FIELD, ALL PROCEDURES MUST BE APPROVED BY THE RESIDENT.
4. TEMPORARY PAVEMENT MARKINGS SHALL BE PAINTED, UNLESS OTHERWISE NOTED. PAYMENT FOR MARKINGS SHALL BE UNDER ITEM 627.761 - TEMPORARY PAVEMENT MARKING LINE, YELLOW OR WHITE.



I-95 INTERCHANGE 102 &
I-295 INTERCHANGE 51
N.T.S.



I-95 INTERCHANGE 109
N.T.S.

ADVANCED SIGNING LOCATIONS
FOR OVSIZED LOAD RESTRICTIONS
AND MILLING AND PAVING OPERATIONS

NOTE:

1. ALL SIGNS TO BE MOUNTED ON NCHRP 350 APPROVED POSTS UNLESS BEHIND GUARDRAIL

Scale: NOT TO SCALE		Designed by: 		MAINE TURNPIKE AUTHORITY 2360 Congress Street Portland, ME 04102 TEL (207) 871-7771 FAX (207) 879-5567		 THE GOLD STAR MEMORIAL HIGHWAY		PAVEMENT REHABILITATION CLEAR ZONE IMPROVEMENTS MAINTENANCE OF TRAFFIC NOTES AND MISCELLANEOUS DETAILS VII																											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>No.</th> <th>Revision</th> <th>By</th> <th>Date</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>		No.	Revision	By	Date													<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>By</th> <th>Date</th> <th>By</th> <th>Date</th> </tr> </thead> <tbody> <tr> <td>Designed</td> <td>JRL 01/31/22</td> <td>Checked</td> <td>JED 01/31/22</td> </tr> <tr> <td>Drawn</td> <td>BMB 01/31/22</td> <td>In Charge of</td> <td>SRT 01/31/22</td> </tr> </tbody> </table>		By	Date	By	Date	Designed	JRL 01/31/22	Checked	JED 01/31/22	Drawn	BMB 01/31/22	In Charge of	SRT 01/31/22	 MTA PROJECT MANAGER: Joseph R. Leavitt, P.E.		CONTRACT: 2022.01 SHEET NUMBER: T-7 16 of 24	
No.	Revision	By	Date																																
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 102.9-109.1\Project Development\000\CAD print date 2.1.2022


IDENTIFICATION NUMBER	SIZE OF SIGN		TEXT	TEXT DIMENSIONS (INCHES)			NUMBER OF SIGNS REQUIRED	COLOR		BORDER RADIUS	AREA IN SQUARE FEET
	WIDTH	HEIGHT		LETTER HEIGHT	VERTICAL SPACING	ARROW RTE. MKR.		BACK-GROUND	LEGEND BORDER		
G20-1	48"	24"		TEXT DIMENSIONS SHALL CONFORM TO "2004 EDITION - STANDARD HIGHWAY SIGNS - 2012 SUPPLEMENT"			6	COLORS SHALL CONFORM TO "2004 EDITION - STANDARD HIGHWAY SIGNS - 2012 SUPPLEMENT"			8.00 (48)
G20-2	48"	24"					7				8.00 (56)
G20-5aP	48"	24"					32				8.00 (256)
R2-1 (50) (60)	48"	60"					28 8				20.00 (480) (160)
R2-6aP	48"	24"		6"	4.5"		28				8.00 (224)
M5-1L	36"	24"		TEXT DIMENSIONS SHALL CONFORM TO "2004 EDITION - STANDARD HIGHWAY SIGNS - 2012 SUPPLEMENT"			1				6.00 (6)
M5-1R	36"	24"					3				6.00 (18)
M5-1	36"	24"					1				6.00 (6)
R1-1	48"	48"					1	RED	WHITE		16.00 (16)
R1-2	60"	60"					2	WHITE	RED		12.50 (25)
R2-12	36"	54"		6"	4.5"		8				13.50 (108)
E5-1	72"	60"		TEXT DIMENSIONS SHALL CONFORM TO "2004 EDITION - STANDARD HIGHWAY SIGNS - 2012 SUPPLEMENT"			2	GREEN	WHITE		30.00 (60)
CS5-2	60"	48"					2	ORANGE	BLACK		12.00 (24)
W1-4L	48"	48"					4				16.00 (64)

IDENTIFICATION NUMBER	SIZE OF SIGN		TEXT	TEXT DIMENSIONS (INCHES)			NUMBER OF SIGNS REQUIRED	COLOR		BORDER RADIUS	AREA IN SQUARE FEET
	WIDTH	HEIGHT		LETTER HEIGHT	VERTICAL SPACING	ARROW RTE. MKR.		BACK-GROUND	LEGEND BORDER		
W1-4R	48"	48"		TEXT DIMENSIONS SHALL CONFORM TO "2004 EDITION - STANDARD HIGHWAY SIGNS - 2012 SUPPLEMENT"			4	COLORS SHALL CONFORM TO "2004 EDITION - STANDARD HIGHWAY SIGNS - 2012 SUPPLEMENT"			16.00 (64)
W3-1	48"	48"					1	ORANGE	BLACK		16.00 (16)
W3-2a	48"	48"					2	ORANGE	BLACK		16.00 (32)
W3-4	48"	48"					8	COLORS SHALL CONFORM TO "2004 EDITION - STANDARD HIGHWAY SIGNS - 2012 SUPPLEMENT"			16.00 (128)
W3-5 (50) (60)	48"	48"					8 4				16.00 (128) (64)
W4-2L	48"	48"					8				16.00 (128)
W4-2R	48"	48"					8				16.00 (128)
W5-4	48"	48"					4				16.00 (64)
W8-1	48"	48"					4				16.00 (64)
W8-11	48"	48"					30				16.00 (480)

Scale: NOT TO SCALE

No.	Revision	By	Date

Designed by:



By	Date	By	Date
Designed JRL	01/31/22	Checked JED	01/31/22
Drawn BMB	01/31/22	In Charge of SRT	01/31/22

MAINE TURNPIKE AUTHORITY
2360 Congress Street
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FAX (207) 879-5567



THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Joseph R. Leavitt, P.E.

PAVEMENT REHABILITATION
CLEAR ZONE IMPROVEMENTS

SIGN SUMMARY I

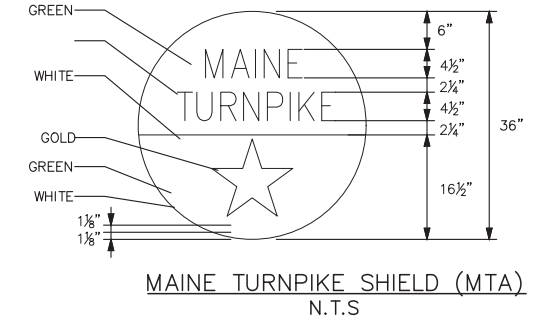
SHEET NUMBER: T-8

CONTRACT: 2022.01

17 of 24

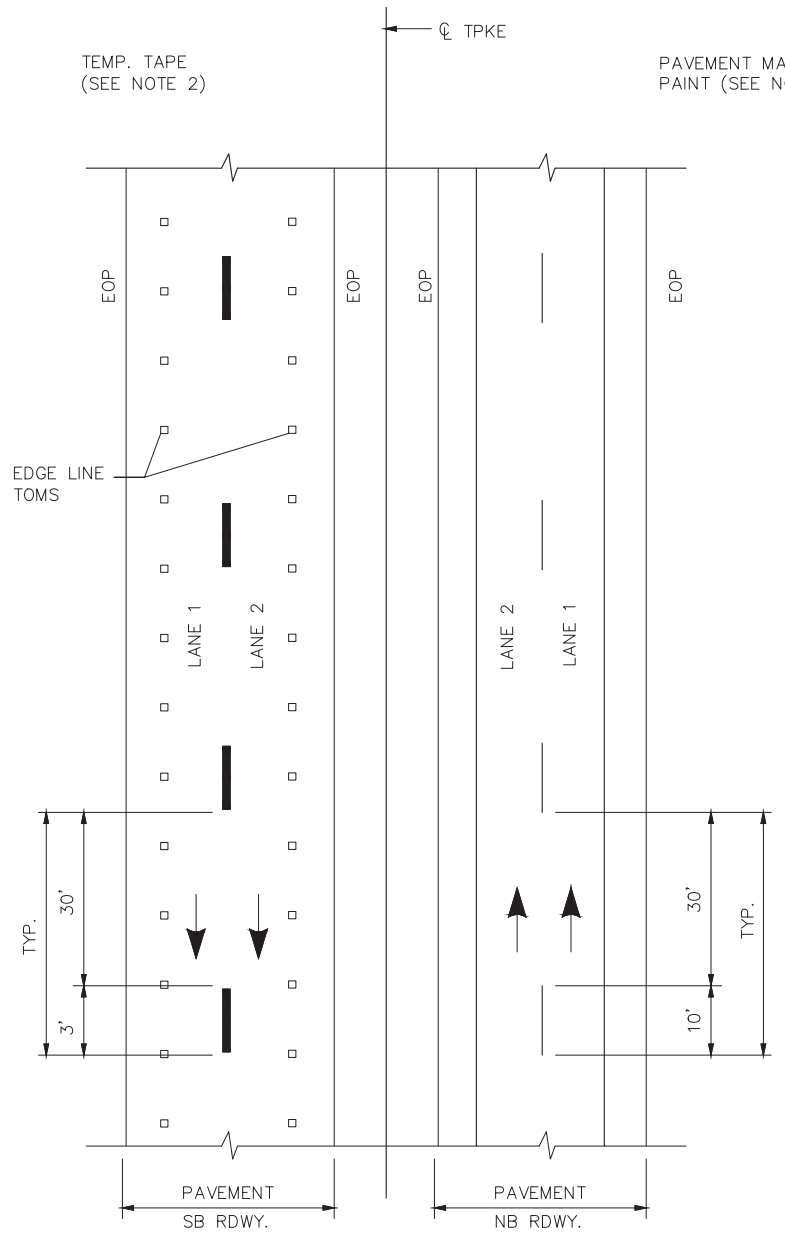
IDENTIFICATION NUMBER	SIZE OF SIGN		TEXT	TEXT DIMENSIONS (INCHES)			NUMBER OF SIGNS REQUIRED	COLOR		BORDER RADIUS	AREA IN SQUARE FEET
	WIDTH	HEIGHT		LETTER HEIGHT	VERTICAL SPACING	ARROW RTE. MKR.		BACK-GROUND	LEGEND BORDER		
W8-15	48"	48"	GROOVED PAVEMENT	TEXT DIMENSIONS SHALL CONFORM TO "2004 EDITION - STANDARD HIGHWAY SIGNS - 2012 SUPPLEMENT"			11	COLORS SHALL CONFORM TO "2004 EDITION - STANDARD HIGHWAY SIGNS - 2012 SUPPLEMENT"			16.00 (176)
W8-15P	30"	24"					11				5.00 (55)
W20-1 (1 MILE) (AHEAD)	48"	48"	ROAD WORK XXX				18				16.00 (288)
W20-5L (1/2 MILE) (AHEAD)	48"	48"	LEFT LANE CLOSED XXX				8 1				16.00 (128) (16)
W20-5R (1/2 MILE) (AHEAD)	48"	48"	RIGHT LANE CLOSED XXX				8 1				16.00 (128) (16)
W21-5aR	48"	48"	RIGHT SHOULDER CLOSED				1				16.00 (16)
W21-5bR (1000 FT)	48"	48"	RIGHT SHOULDER CLOSED 1000 FT				1				16.00 (16)
CS4-9P	36"	48"	STAY IN LANE				30	ORANGE	BLACK		12.00 (360)
W4-1	48"	48"					2	ORANGE	BLACK		16.00 (32)
CS-38	48"	48"	SINGLE LANE AHEAD				5	ORANGE	BLACK		16.00 (80)

IDENTIFICATION NUMBER	SIZE OF SIGN		TEXT	TEXT DIMENSIONS (INCHES)			NUMBER OF SIGNS REQUIRED	COLOR		BORDER RADIUS	AREA IN SQUARE FEET
	WIDTH	HEIGHT		LETTER HEIGHT	VERTICAL SPACING	ARROW RTE. MKR.		BACK-GROUND	LEGEND BORDER		
CS-3	48"	48"	EXPECT STOPPED TRAFFIC	6" 6" 6"	4" 4"		8	ORANGE	BLACK		16.00 (128)
CS-11	48"	48"	NO STOPPING ON PAVEMENT	6" 6" 6"	4" 4"		4	ORANGE	BLACK		16.00 (64)
CS-33	96"	36"	WATCH FOR TRUCKS ENTERING AND LEAVING WORK AREA	6" 6" 6"	4" 4"		4	ORANGE	BLACK		24.00 (96)
CS-45	96"	48"	WIDE LOADS OVER 10 FEET PROHIBITED	8" C 8" C 8" C	6" 6" 6"		4	ORANGE	BLACK		32.00 (128)
CS-46	96"	48"	WIDE LOADS OVER 10 FEET MUST EXIT	8" C 8" C 8" C	6" 6" 6"		3	ORANGE	BLACK		32.00 (96)
CS-48	60"	36"	WIDE LOADS	8" D		9"x36" @ 0"	3	ORANGE	BLACK		15.00 (45)
CS-52	96"	18"	NORTHBOUND SOUTHBOUND AT EXIT 109A AT EXIT 102 AT EXIT 51	8" C	5" 5"		2 2 1 1 1	ORANGE	BLACK		12.00 (24) 12.00 (24) 12.00 (12) 12.00 (12) 12.00 (12)
MI-2	24"	24"		TEXT DIMENSIONS SHALL CONFORM TO "2004 EDITION - STANDARD HIGHWAY SIGNS - 2012 SUPPLEMENT"			6	COLORS SHALL CONFORM TO "2004 EDITION - STANDARD HIGHWAY SIGNS - 2012 SUPPLEMENT"			4.00 (24)
LOGO S	24"	24"		SEE DETAILS RIGHT			6	SEE DETAILS RIGHT			4.00 (24)
W16-9P	48"	24"	AHEAD	6" 6"	4.5"		2	ORANGE	BLACK		8.00 (16)
G-20-1	48"	48"	ROAD WORK 1500 FEET				1	ORANGE	BLACK		16.00 (16)



NOTE: FOR 24" SHIELD REDUCE ALL MEASUREMENTS BY 1/3.

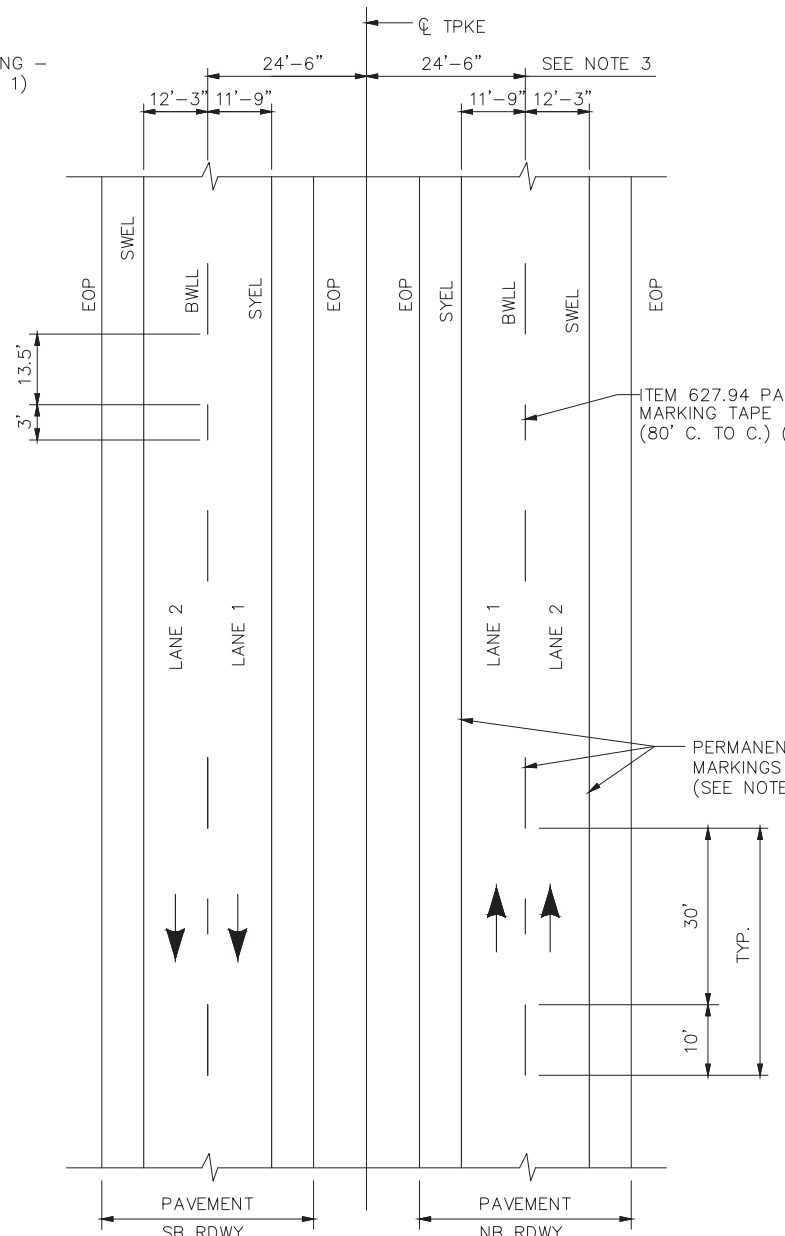
Scale: NOT TO SCALE		Designed by:		MAINE TURNPIKE AUTHORITY 2360 Congress Street Portland, ME 04102 TEL (207) 871-7771 FAX (207) 879-5567				THE GOLD STAR MEMORIAL HIGHWAY		PAVEMENT REHABILITATION CLEAR ZONE IMPROVEMENTS SIGN SUMMARY II	
No.	Revision	By	Date	By	Date	MTA PROJECT MANAGER: Joseph R. Leavitt, P.E.		CONTRACT: 2022.01		SHEET NUMBER: T-9	
				Designed	JRL 01/31/22	Checked	JED 01/31/22			18 of 24	
				Drawn	BMB 01/31/22	In Charge of	SRT 01/31/22				



TEMP. PAVEMENT MARKINGS
2 LANE RDWY

NOTES:

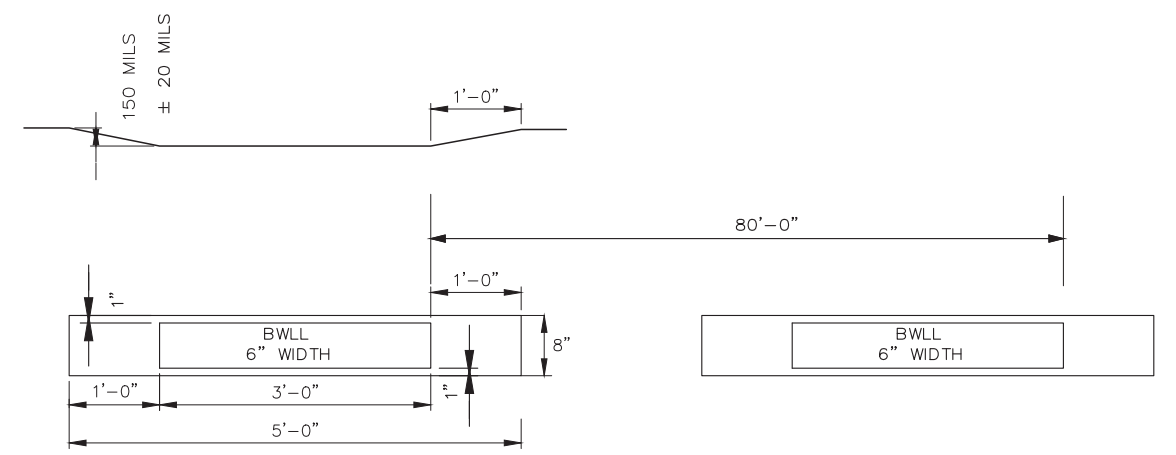
1. TEMPORARY PAVEMENT MARKINGS ON MILLED PAVEMENT SHALL BE 6" SOLID WHITE, BROKEN WHITE, AND SOLID YELLOW PAINT LINES.
2. TEMPORARY PAVEMENT MARKINGS ON NEW HMA 12.5MM, OR SHIM MATERIAL, SHALL BE TEMPORARY RAISED PAVEMENT MARKERS. "SOLID" WHITE AND "SOLID" YELLOW LANE LINES SHALL BE TEMPORARY RAISED PAVEMENT MARKERS SPACED AT 10'-0" C. TO C. "BROKEN" WHITE LANE LINES SHALL BE PAVEMENT MARKING TAPE, 3' PIECES SHALL BE PLACED AT 40' O.C. AND OFFSET FROM FINAL STRIPING LOCATION.



PERMANENT PAVEMENT MARKINGS
2 LANE RDWY

NOTES:

1. PERMANENT PAVEMENT MARKINGS SHALL BE 6" WIDE LINES.
2. PERMANENT PAVEMENT MARKINGS SHALL BE INSTALLED ON BOTH ROADWAYS.
3. THE OFFSET DISTANCE SHOWN ARE MEASURED FROM THE CENTER OF THE 6" PAINT LINES.



ITEM 627.94
PERMANENT PAVEMENT
MARKINGS WITH TAPE
GROOVING DETAIL
N.T.S.

NOTE:

1. 627.941 PAVEMENT MARKING TAPE: AN ADDITIONAL QUANTITY OF APPROXIMATELY 25 LF OF 6" DOTTED LANE LINE SHALL BE INSTALLED DEPARTING THE 103 SB TOLL AREA. LAYOUT DETERMINED BY RESIDENT. TRAFFIC CONTROL REQUIRED FOR THIS WORK SHALL BE SUPPLIED BY THE AUTHORITY AND REQUIRE A 72 HOUR NOTICE.

LEGEND

- SYEL = SOLID YELLOW EDGE LINE (6" PAINT)
- SWEL = SOLID WHITE EDGE LINE (6" PAINT)
- BWL = BROKEN WHITE LANE LINE (6" PAINT)
- EOP = EDGE OF PAVEMENT

Scale: NOT TO SCALE

No.	Revision	By	Date

Designed by:

	By	Date		By	Date
Designed	JRL	01/31/22	Checked	JED	01/31/22
Drawn	BMB	01/31/22	In Charge of	SRT	01/31/22

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FAX (207) 879-5567

**THE GOLD STAR
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: Joseph R. Leavitt, P.E.

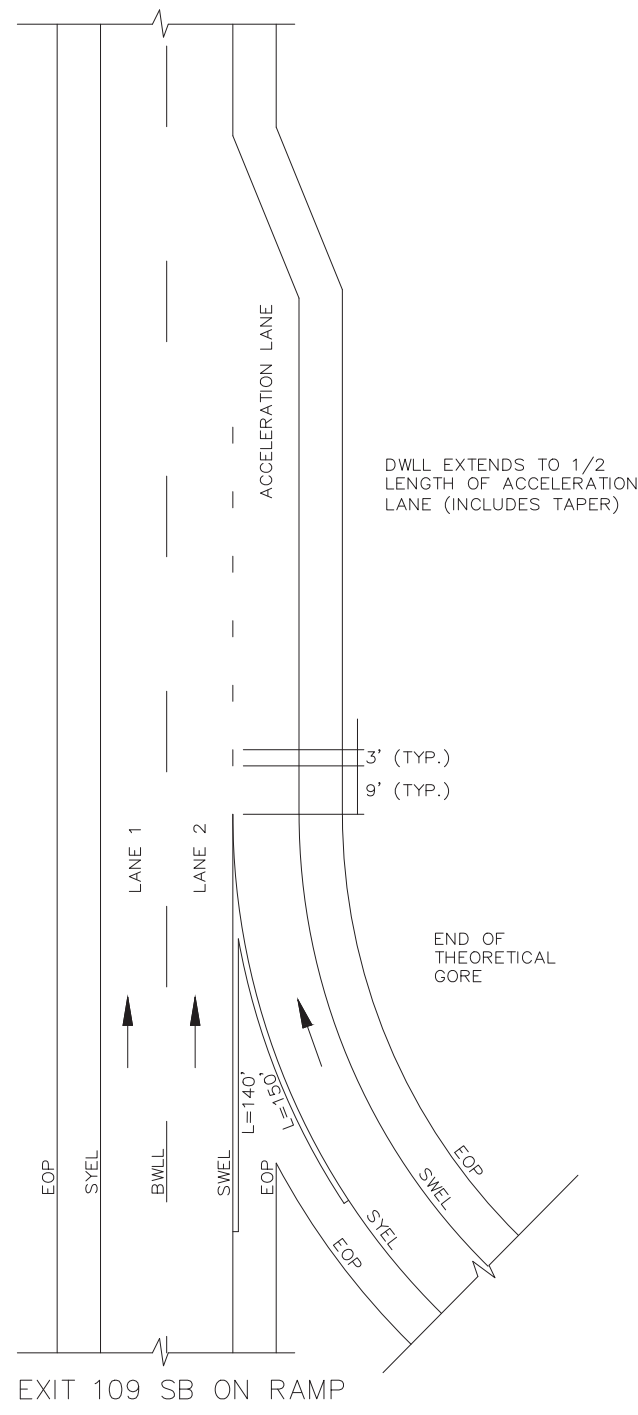
PAVEMENT REHABILITATION
CLEAR ZONE IMPROVEMENTS

PAVEMENT MARKING DETAILS I

SHEET NUMBER: T-10

CONTRACT: 2022.01

19 of 24



DWLL EXTENDS TO 1/2 LENGTH OF ACCELERATION LANE (INCLUDES TAPER)

3' (TYP.)
9' (TYP.)

END OF THEORETICAL GORE

EXIT 109 SB ON RAMP

PERMANENT PAVEMENT MARKINGS WITH TAPE
(ITEM 627.941 PAVEMENT MARKING TAPE)

LEGEND

- SYEL = SOLID YELLOW EDGE LINE (6" PAINT)
- SWEL = SOLID WHITE EDGE LINE (6" PAINT)
- BWLL = BROKEN WHITE LANE LINE (6" PAINT)
- EOP = EDGE OF PAVEMENT
- DWLL = DOTTED WHITE LANE LINE (6" GROOVED IN TAPE)

NOTES:

1. PERMANENT PAVEMENT MARKINGS SHALL BE 6" WIDE LINES, UNLESS OTHERWISE NOTED.
2. PERMANENT PAVEMENT MARKINGS SHALL BE INSTALLED ON BOTH ROADWAYS.
3. THE OFFSET DISTANCES SHOWN ARE MEASURED FROM THE CENTER OF THE 6" PAINT LINES.
4. ALL EXISTING PAINT MARKINGS SHALL BE REMOVED PRIOR TO INSTALLATION OF ITEM 627.941 PAVEMENT MARKING TAPE AND SHALL BE INCIDENTAL TO INSTALLATION OF THE TAPE.
5. ON DECELERATION RAMP, THE DWLL SHALL BEGIN AT THE BEGINNING OF THE FULL WIDTH DECELERATION LANE AND EXTEND TO THE THEORETICAL GORE MARKINGS.
6. ON ACCELERATION RAMP, THE DWLL SHALL EXTEND FROM THE THEORETICAL FORE MARKINGS TO A POINT ONE-HALF OF THE TOTAL LENGTH OF THE ACCELERATION RAMP. THE ACCELERATION RAMP LENGTH IS THE TOTAL LENGTH OF THE FULL WIDTH LANE AND THE LANE TAPER.

Scale: NOT TO SCALE			
No.	Revision	By	Date

Designed by:

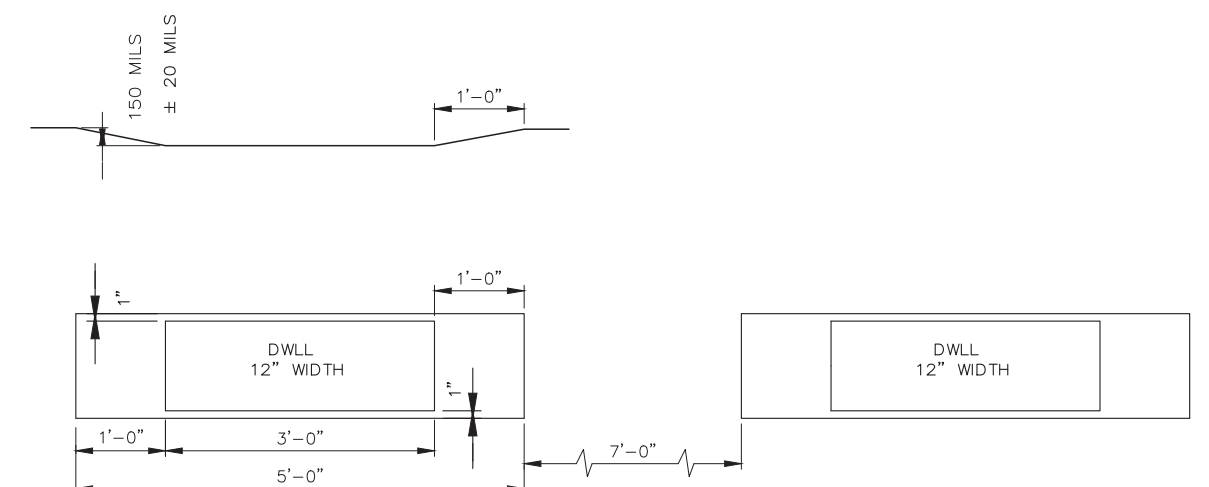
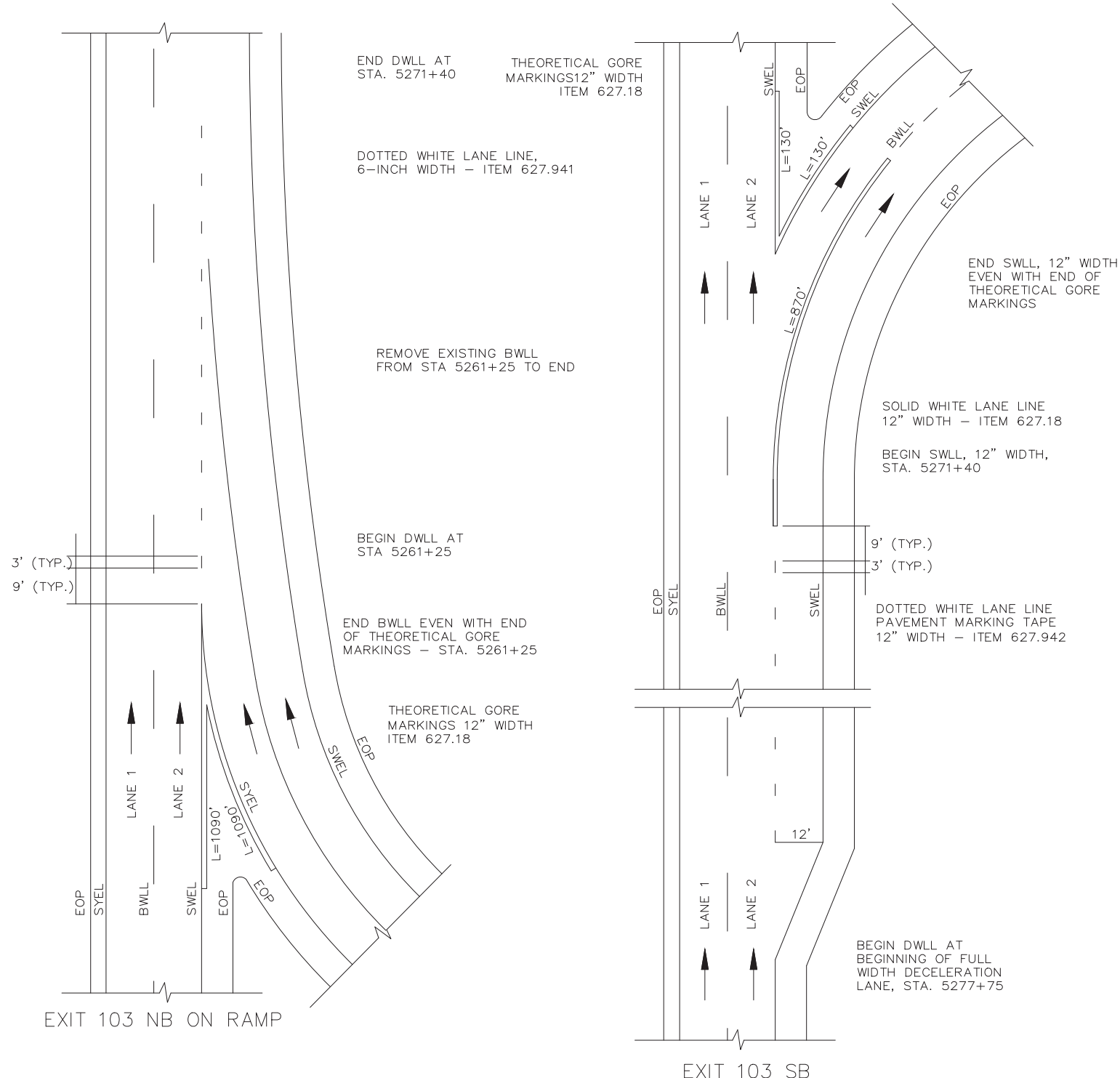
By	Date
JRL	01/31/22
Checked	JED
01/31/22	01/31/22
Drawn	BMB
01/31/22	In Charge of
SRT	01/31/22

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	THE GOLD STAR MEMORIAL HIGHWAY
MTA PROJECT MANAGER: Joseph R. Leavitt, P.E.	

PAVEMENT REHABILITATION CLEAR ZONE IMPROVEMENTS PAVEMENT MARKING DETAILS II
SHEET NUMBER: T-11
CONTRACT: 2022.01
20 of 24

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ITEM 627.94
PERMANENT PAVEMENT
MARKINGS WITH TAPE
GROOVING DETAIL
N.T.S.

LEGEND

- SYEL = SOLID YELLOW EDGE LINE (6" PAINT)
- SWEL = SOLID WHITE EDGE LINE (6" PAINT)
- BWLL = BROKEN WHITE LANE LINE (6" PAINT)
- EOP = EDGE OF PAVEMENT
- DWLL = DOTTED WHITE LANE LINE (6" GROOVED IN TAPE)

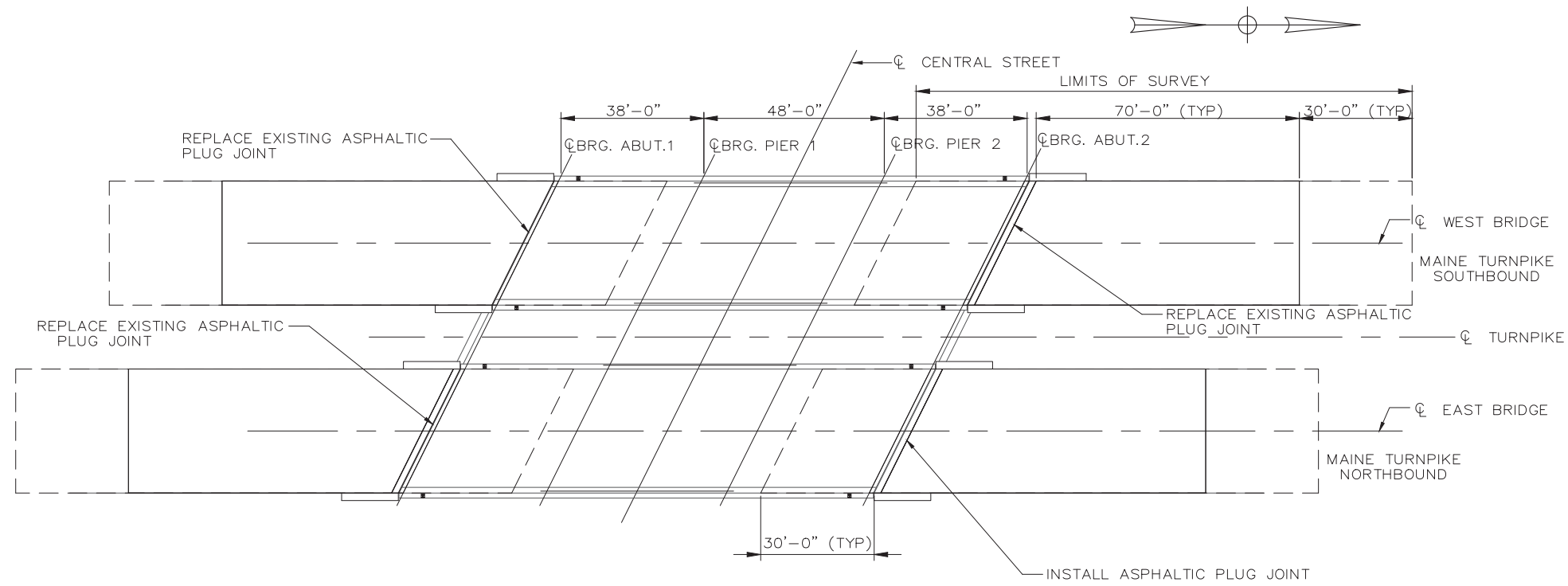
NOTES:

1. PERMANENT PAVEMENT MARKINGS SHALL BE 6" WIDE LINES, UNLESS OTHERWISE NOTED.
2. PERMANENT PAVEMENT MARKINGS SHALL BE INSTALLED ON BOTH ROADWAYS.
3. THE OFFSET DISTANCES SHOWN ARE MEASURED FROM THE CENTER OF THE 6" PAINT LINES.
4. ALL EXISTING PAINT MARKINGS SHALL BE REMOVED PRIOR TO INSTALLATION OF ITEM 627.941 PAVEMENT MARKING TAPE AND SHALL BE INCIDENTAL TO INSTALLATION OF THE TAPE.
5. ON DECELERATION RAMP, THE DWLL SHALL BEGIN AT THE BEGINNING OF THE FULL WIDTH DECELERATION LANE AND EXTEND TO THE THEORETICAL GORE MARKINGS.
6. ON ACCELERATION RAMP, THE DWLL SHALL EXTEND FROM THE THEORETICAL GORE MARKINGS TO A POINT ONE-HALF OF THE TOTAL LENGTH OF THE ACCELERATION RAMP. THE ACCELERATION RAMP LENGTH IS THE TOTAL LENGTH OF THE FULL WIDTH LANE AND THE LANE TAPER.
7. ITEM 627.941 PAVEMENT MARKING TAPE FOR DWLL SHALL BE INSTALLED IN AN "IN-AND-OUT" GROOVING PATTERN. SEE DETAIL THIS SHEET.

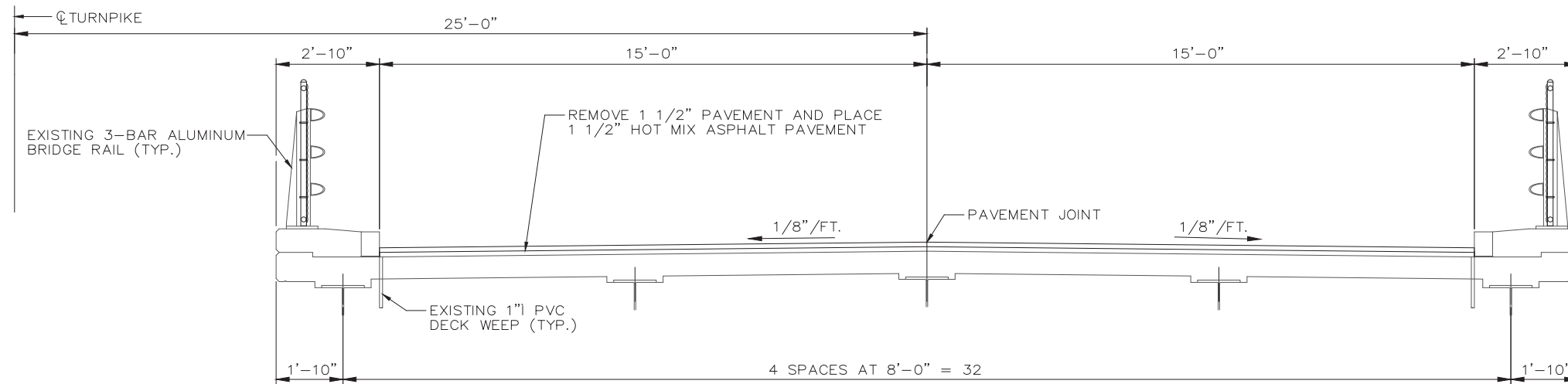
PERMANENT PAVEMENT MARKINGS
(ITEM 627.941 PAVEMENT MARKING TAPE)
N.T.S.

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<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>No.</th> <th>Revision</th> <th>By</th> <th>Date</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>		No.	Revision	By	Date													<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>By</th> <th>Date</th> <th>By</th> <th>Date</th> </tr> </thead> <tbody> <tr> <td>Designed</td> <td>JRL 01/31/22</td> <td>Checked</td> <td>JED 01/31/22</td> </tr> <tr> <td>Drawn</td> <td>BMB 01/31/22</td> <td>In Charge of</td> <td>SRT 01/31/22</td> </tr> </tbody> </table>		By	Date	By	Date	Designed	JRL 01/31/22	Checked	JED 01/31/22	Drawn	BMB 01/31/22	In Charge of	SRT 01/31/22	MTA PROJECT MANAGER: Joseph R. Leavitt, P.E.		CONTRACT: 2022.01	
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Drawn	BMB 01/31/22	In Charge of	SRT 01/31/22																																
								SHEET NUMBER: T-12																											
								21 of 24																											

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 102.9-103.1 Project Development\000\CAD print date 2.1.2022



PLAN
1" = 20'



TRANSVERSE SECTION
(NORTHBOUND DECK IS SHOWN, SOUTHBOUND DECK IS SIMILAR)
1/2" = 1'-0"

NOTES:

1. SEAL DECK SHOULDERS OF CENTRAL STREET AND NORTHERN AVENUE WITH TWO APPLICATIONS OF EMULSIFIED BITUMINOUS SEALER PER MDOT STANDARD SPECIFICATION 403.03 e. AFTER COMPLETING ALL DECK PAVING WORK INCIDENTAL TO 403.2081.

Scale:
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Designed by:



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Portland, ME 04102
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THE GOLD STAR
MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Joseph R. Leavitt, P.E.

PAVEMENT REHABILITATION
CLEAR ZONE IMPROVEMENTS

CENTRAL STREET OVERPASS
DECK PLAN AND TYPICAL SECTION

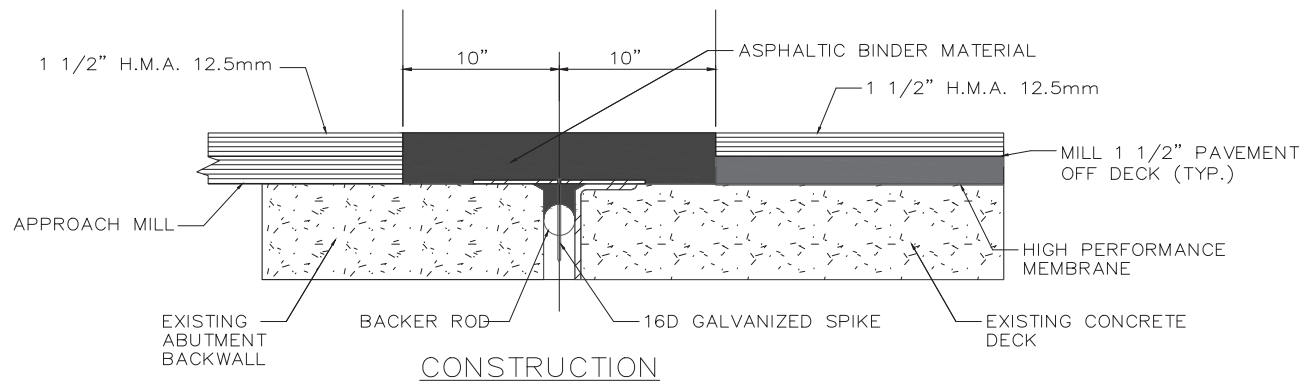
SHEET NUMBER: S-1

No.	Revision	By	Date

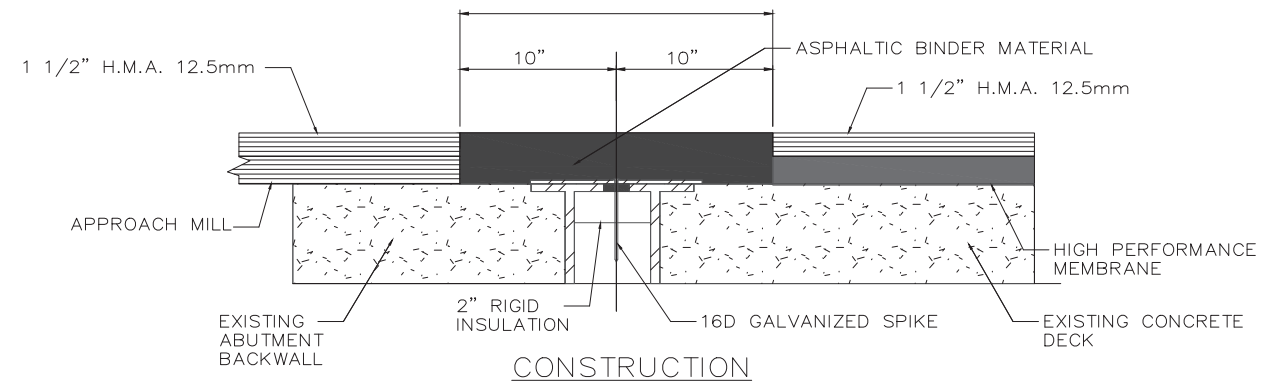
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Designed	JRL	01/31/22	Checked	JED	01/31/22
Drawn	BMB	01/31/22	In Charge of	SRT	01/31/22

CONTRACT: 2022.01

22 of 24



CONSTRUCTION
 PROPOSED SOUTHBOUND ROADWAY JOINT MODIFICATION
 SOUTH AND NORTH ABUTMENTS
 N.T.S.



CONSTRUCTION
 PROPOSED NORTHBOUND ROADWAY JOINT MODIFICATION
 SOUTH AND NORTH ABUTMENTS
 N.T.S.

NOTES:

1. ASPHALTIC PLUG JOINT SYSTEM SHALL BE SUBMITTED FOR APPROVAL AND INSTALLED PER MANUFACTURER'S SPECIFICATIONS. EQUIVALENT JOINT SYSTEMS MAY BE USED WITH APPROVAL OF THE ENGINEER.
2. NORTHERN AVENUE BRIDGE JOINTS SHALL RECEIVE A 3/8" WIDE x 1.5" DEEP SAW AND SEAL PAID UNDER ITEM 419.301.

Scale:
 NOT TO SCALE

Designed by:



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THE GOLD STAR
 MEMORIAL HIGHWAY

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PAVEMENT REHABILITATION
 CLEAR ZONE IMPROVEMENTS
 CENTRAL STREET OVERPASS
 JOINT MODIFICATIONS
 NORTHERN AVENUE JOINTS

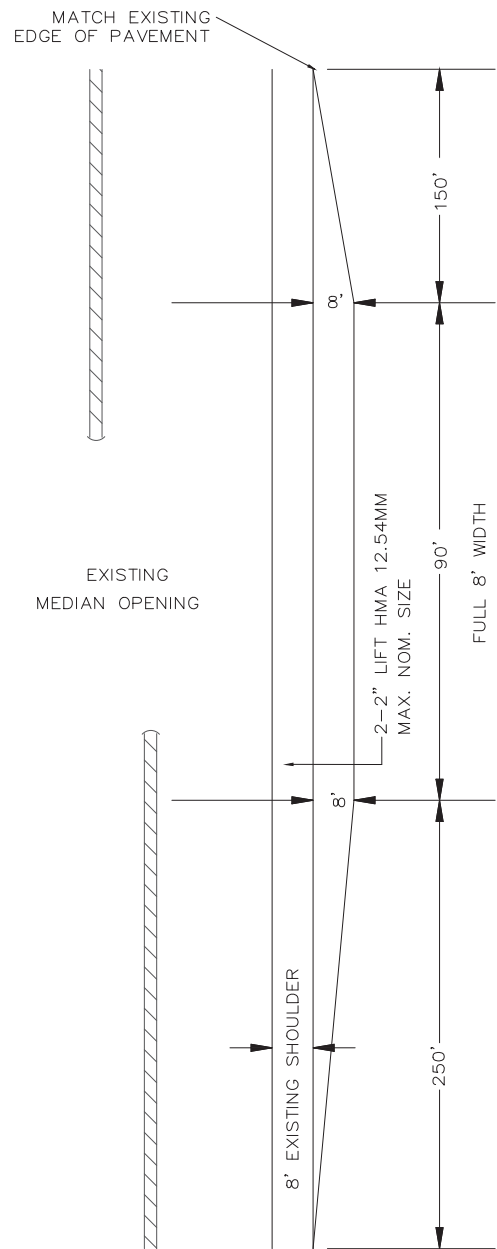
SHEET NUMBER: S-2

No.	Revision	By	Date

	By	Date		By	Date
Designed	JRL	01/31/22	Checked	JED	01/31/22
Drawn	BMB	01/31/22	In Charge of	SRT	01/31/22

CONTRACT: 2022.01

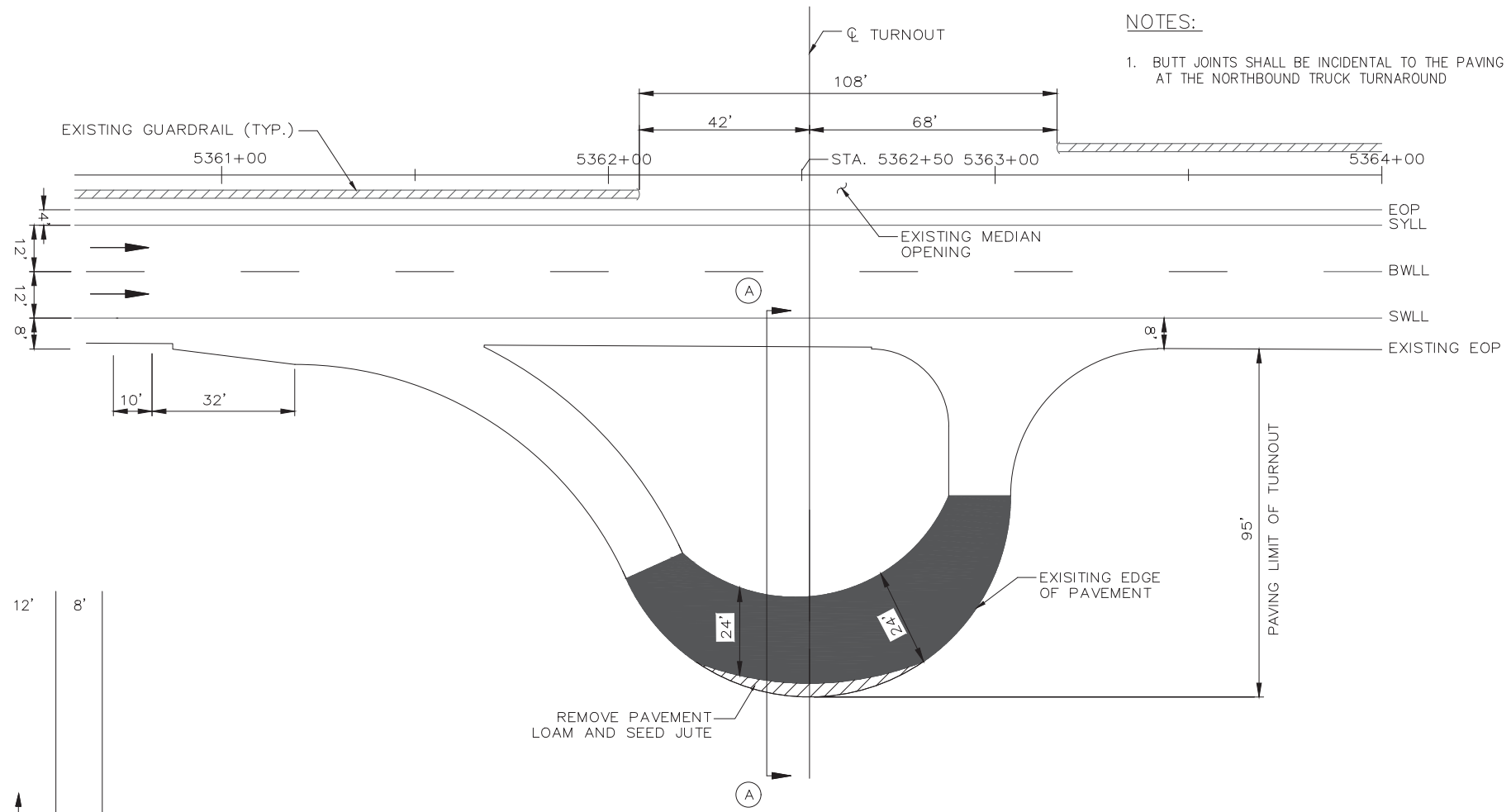
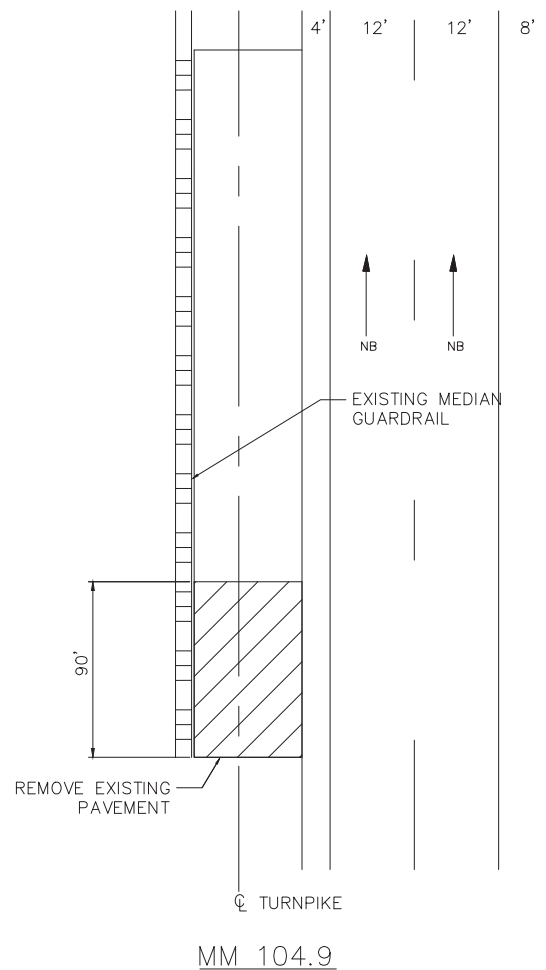
23 of 24



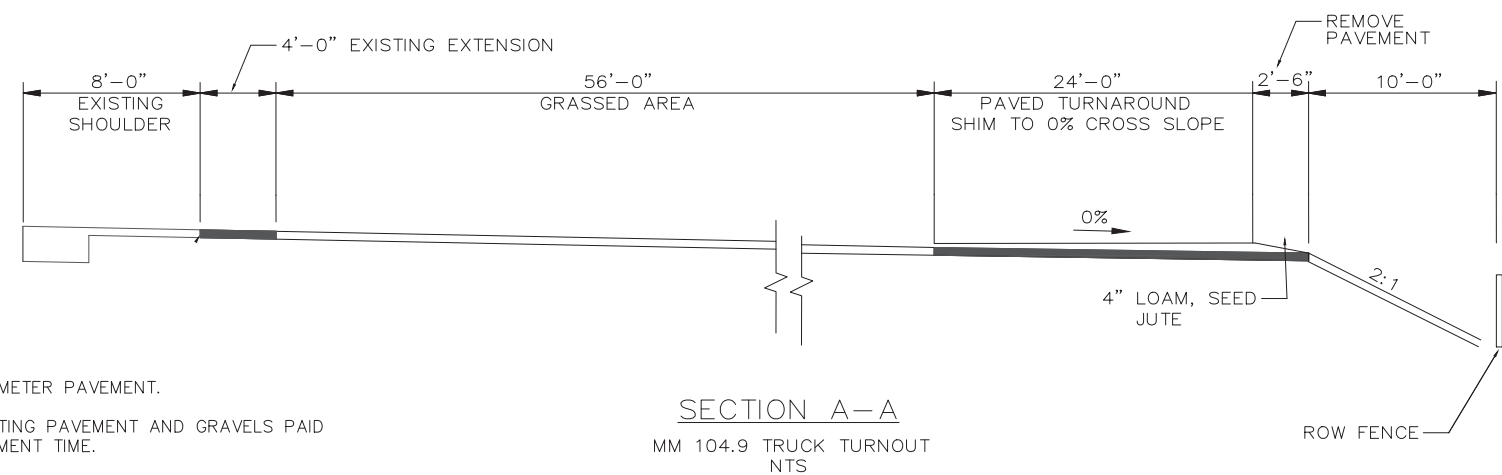
SB MM 104.90 TRUCK TURNOUT (TTO)
TYPICAL PLAN VIEW

NOTES: NTS

1. FINE GRADING OF TRUCK TURNOUT SHALL BE INCIDENTAL TO PAVING.



MM 104.9 NORTHBOUND TRUCK TURNAROUND PLAN
NTS



SECTION A-A
MM 104.9 TRUCK TURNOUT
NTS

NOTES:

1. SAWCUT PERIMETER PAVEMENT.
2. REMOVE EXISTING PAVEMENT AND GRAVELS PAID UNDER EQUIPMENT TIME.
3. GRADE TO DRAIN, LOAM (4"), SEED AND MULCH.
4. SEED AND MULCH SHALL BE INCIDENTAL.

Scale: NOT TO SCALE			
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MAINE TURNPIKE AUTHORITY 2360 Congress Street Portland, ME 04102 TEL (207) 871-7771 FAX (207) 879-5567					
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THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Joseph R. Leavitt, P.E.

PAVEMENT REHABILITATION
CLEAR ZONE IMPROVEMENTS

NORTHBOUND TURNOUT PLAN
SOUTHBOUND TTO

SHEET NUMBER: TR-1
CONTRACT: 2022.01
24 of 24

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