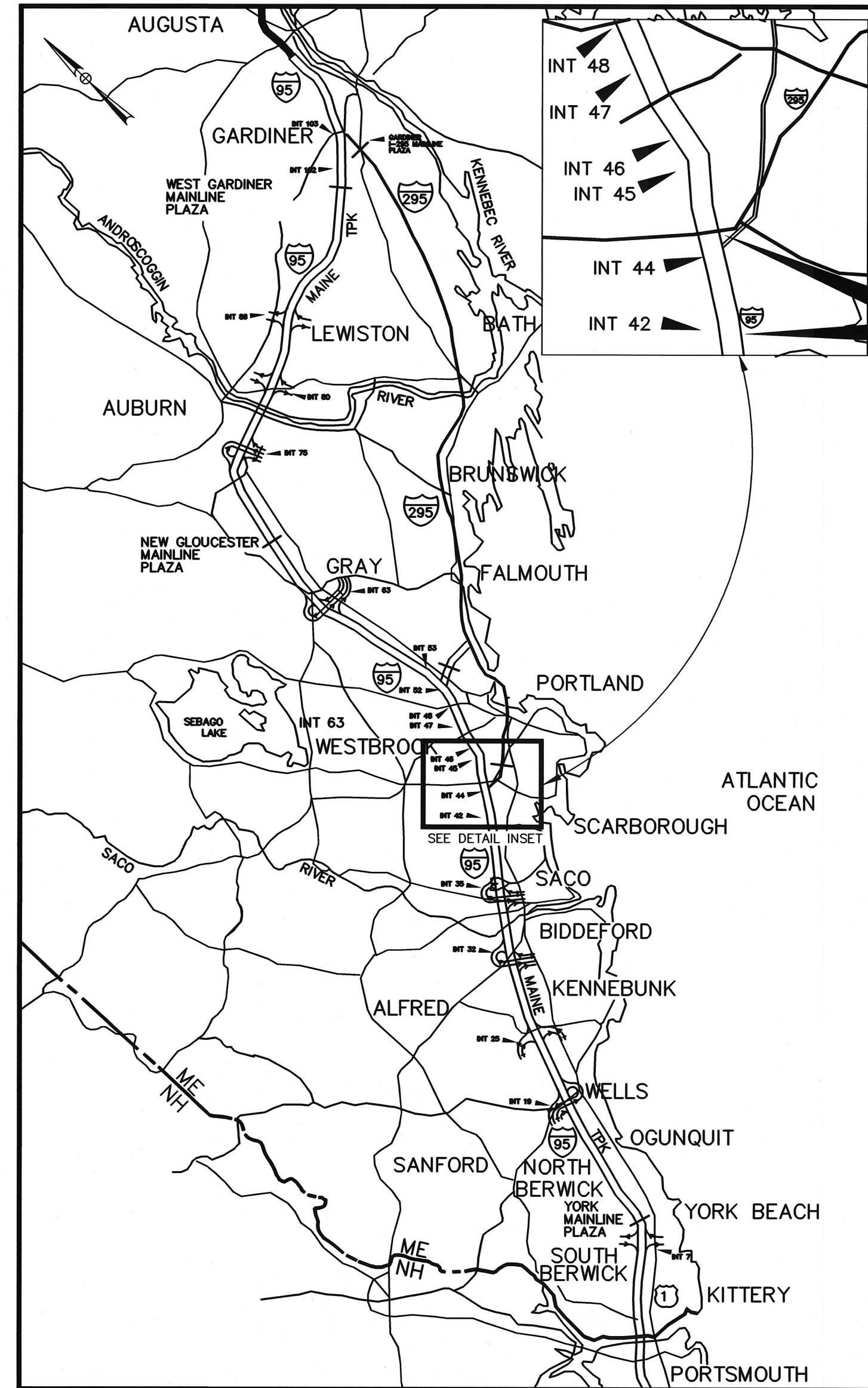




THE GOLD STAR
MEMORIAL HIGHWAY

MAINE TURNPIKE AUTHORITY



CONTRACT 2019.01
PAVEMENT REHABILITATION
MM 42.0 TO MM 44.3

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

S. PETER MILLS, EXECUTIVE DIRECTOR

CONTRACT 2019.01 PAVEMENT REHABILITATION MM 42.0 TO MM 44.3

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	ESTIMATED QUANTITIES
3	PAVING LIMITS OVERVIEW
4	TYPICAL SECTIONS
5	MISCELLANEOUS DETAILS
6	BERM DETAILS
7	PAVEMENT MARKING DETAILS
8-13	TRAFFIC CONTROL DETAILS 1-6
14-15	SIGN SUMMARY 1-2

LOCATION MAP

CONTRACT 2019.01

APPROVED:
MAINE TURNPIKE AUTHORITY

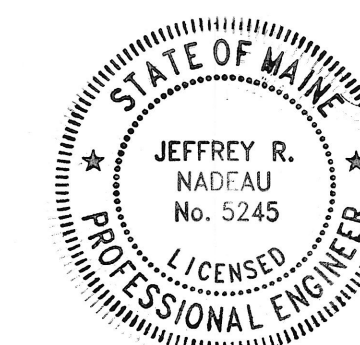
Peter S. Merfeld
PETER S. MERFELD, P.E. - CHIEF OPERATIONS OFFICER
4/25/19
DATE

Stephen R. Tarfire
STEPHEN R. TAPIRE, P.E., - DIRECTOR OF ENGINEERING &
BUILDING MAINTENANCE
4/25/19
DATE



SHEETS
1-15

Jeffrey R. Nadeau
JEFFREY R. NADEAU, P.E.
PROJECT MANAGER

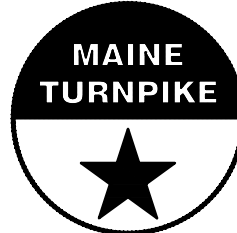
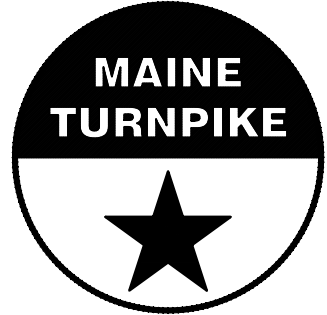


4/25/19
DATE

ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY
202.202	Removing Pavement Surface - Mainline	SY	37,600
202.2026	Removing Pavement Surface – Drainage Paths	SF	780
202.206	Fill Existing Rumble Strips	LF	4,800
403.210	Hot Mix Asphalt, 9.5mm, 20% RAP Max.	Ton	4,600
409.152	Bituminous Tack Coat Trackless - Applied	GAL	5,800
470.08	Berm Dropoff Correction – Grindings	Ton	100
470.081	Berm Correction	LF	1,000
615.07	Loam	CY	10
618.14	Seeding Method 2	Un	2
619.12	Mulch	Un	2
627.681	Temporary Pavement Marking Line, White or Yellow	LF	51,200
627.73	Temporary 6" Pavement Marking Tape	LF	3,300
627.75	White or Yellow Pavement and Curb Markings	SF	120
627.772	Removing Existing Pavement Markings - Tape	SF	120
627.81	Temporary Raised Pavement Markers	EA	5,120
629.05	Hand Labor, Straight Time	HR	10
631.12	All Purpose Excavator (including Operator)	HR	10
631.172	Truck - Large (including Operator)	HR	10
652.361	Maintenance of Traffic Control Devices	LS	1
659.10	Mobilization	LS	1

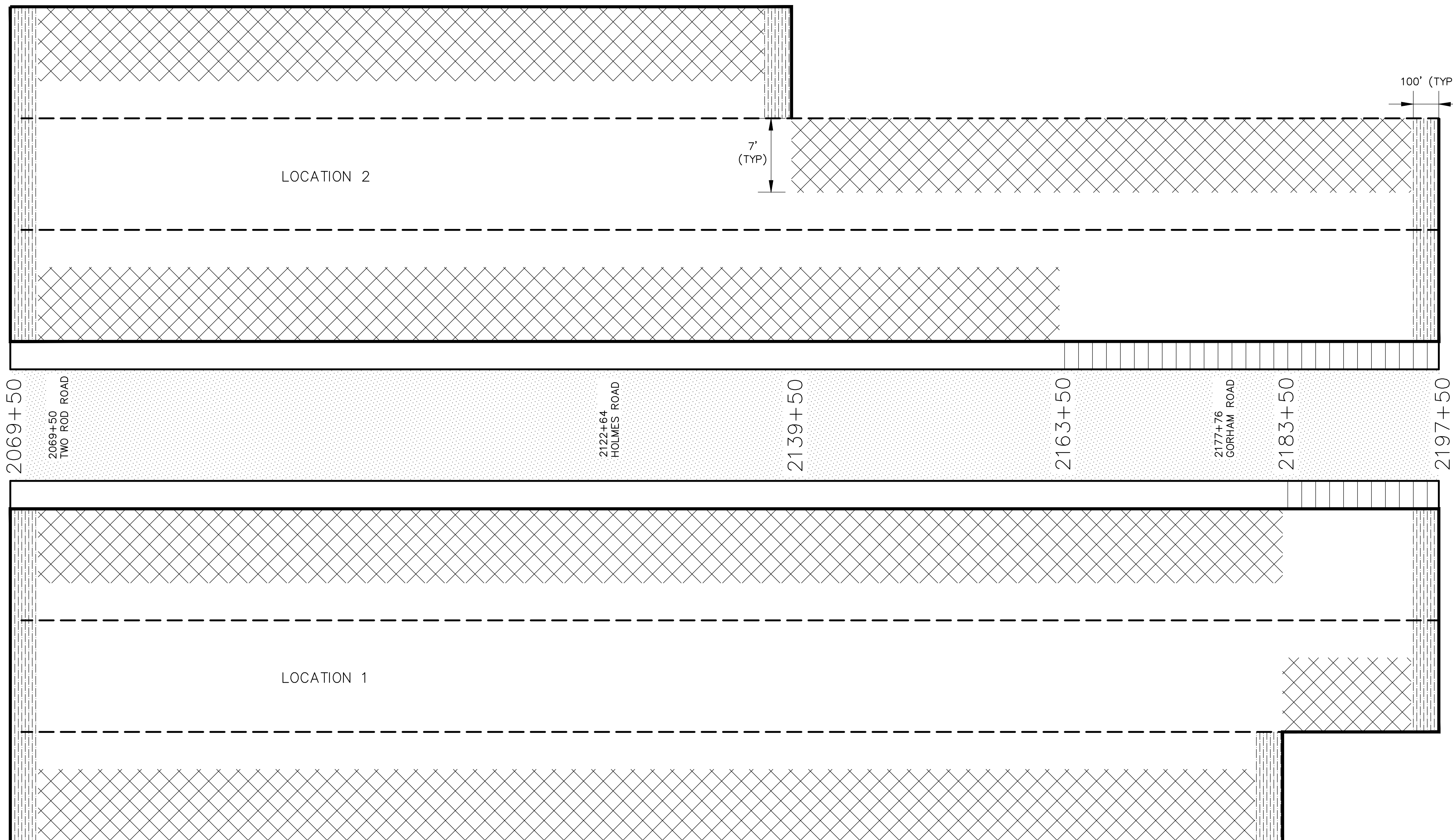
GENERAL NOTES




- ALL STANDARD DETAILS SHALL BE IN CONFORMANCE WITH MAINE DEPARTMENT OF TRANSPORTATION (MAINE DOT) STANDARD DETAILS HIGHWAY AND BRIDGES 2014 LATEST REVISIONS AND MAINE DOT BEST MANAGEMENT PRACTICES FOR EROSION AND SEDIMENT CONTROL LATEST REVISION UNLESS OTHERWISE INCLUDED IN THESE PLANS.
- EXISTING PAVEMENT MARKING TAPE SHALL BE REMOVED PRIOR TO PAVING. PAYMENT TO BE MADE UNDER ITEM 627.772
- EXISTING TRAFFIC ARROWS SHALL BE REPLACED BY PAINTED PAVEMENT MARKINGS. PAYMENT WILL BE MADE UNDER ITEM 627.75
- CONTRACTOR WILL BE RESPONSIBLE FOR ALL TEMPORARY PAVEMENT MARKINGS. FINAL STRIPING WILL BE COMPLETED BY THE AUTHORITY. LAYOUT OF FINAL STRIPING AND ALL ASSOCIATED TRAFFIC CONTROL SHALL BE INCIDENTAL TO ITEM 652.361.
- THE DRAINAGE ISSUE PROBLEM AT HOLMES ROAD WILL BE CORRECTED USING HOURLY RENTAL ITEMS AND BERM CORRECTIONS AS DIRECTED BY THE RESIDENT.
- ADDITIONAL REPAIRS WILL BE NECESSARY IN LANE 2 SOUTHBOUND FROM ABOUT 2174+20 TO 2167+00± AS DIRECTED BY THE RESIDENT. PAYMENT WILL BE MADE UNDER EXISTING CONTRACT UNIT PRICES.

Scale: <p style="text-align: center; font-size: 1.2em;">NOT TO SCALE</p>		Designed by: <div style="text-align: center;">  </div>		MAINE TURNPIKE AUTHORITY 2360 Congress Street Portland, ME 04102 TEL (207) 871-7771 FAX (207) 879-5567		<div style="display: flex; align-items: center; justify-content: center;">  <div style="text-align: center;"> <h2 style="margin: 0;">THE GOLD STAR MEMORIAL HIGHWAY</h2> </div> </div>		PAVEMENT REHABILITATION ESTIMATED QUANTITIES AND GENERAL NOTES																											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">No.</th> <th style="width: 15%;">Revision</th> <th style="width: 5%;">By</th> <th style="width: 5%;">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 style="width: 10%;">By</th> <th style="width: 10%;">Date</th> <th style="width: 10%;">By</th> <th style="width: 10%;">Date</th> </tr> </thead> <tbody> <tr> <td>Designed JRN</td> <td>4/15/2019</td> <td>Checked JHM</td> <td>4/15/2019</td> </tr> <tr> <td>Drawn BMB</td> <td>4/15/2019</td> <td>In Charge of SRT</td> <td>4/15/2019</td> </tr> </tbody> </table>		By	Date	By	Date	Designed JRN	4/15/2019	Checked JHM	4/15/2019	Drawn BMB	4/15/2019	In Charge of SRT	4/15/2019	MTA PROJECT MANAGER: JEFFERY R. NADEAU, P.E.		CONTRACT: 2019.01 SHEET NUMBER: C-1 <div style="text-align: right;">2 of 15</div>	
No.	Revision	By	Date																																
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Designed JRN	4/15/2019	Checked JHM	4/15/2019																																
Drawn BMB	4/15/2019	In Charge of SRT	4/15/2019																																

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→ AUGUSTA N



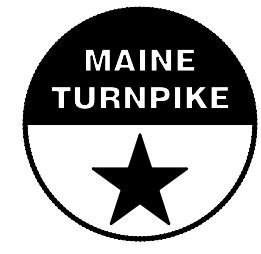
- LEGEND:**
-  MILLING
 -  REM. SNAPS
 -  BUTT JOINTS

MAINLINE PAVING WORK LIMITS

Scale: NOT TO SCALE

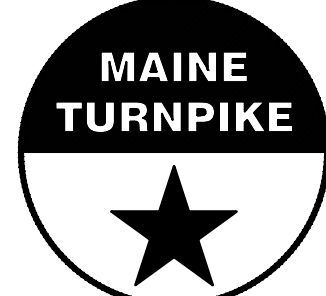
No.	Revision	By	Date

Designed by:



	By	Date		By	Date
Designed	JRN	4/15/2019	Checked	JHM	4/15/2019
Drawn	BMB	4/15/2019	In Charge of	SRT	4/15/2019

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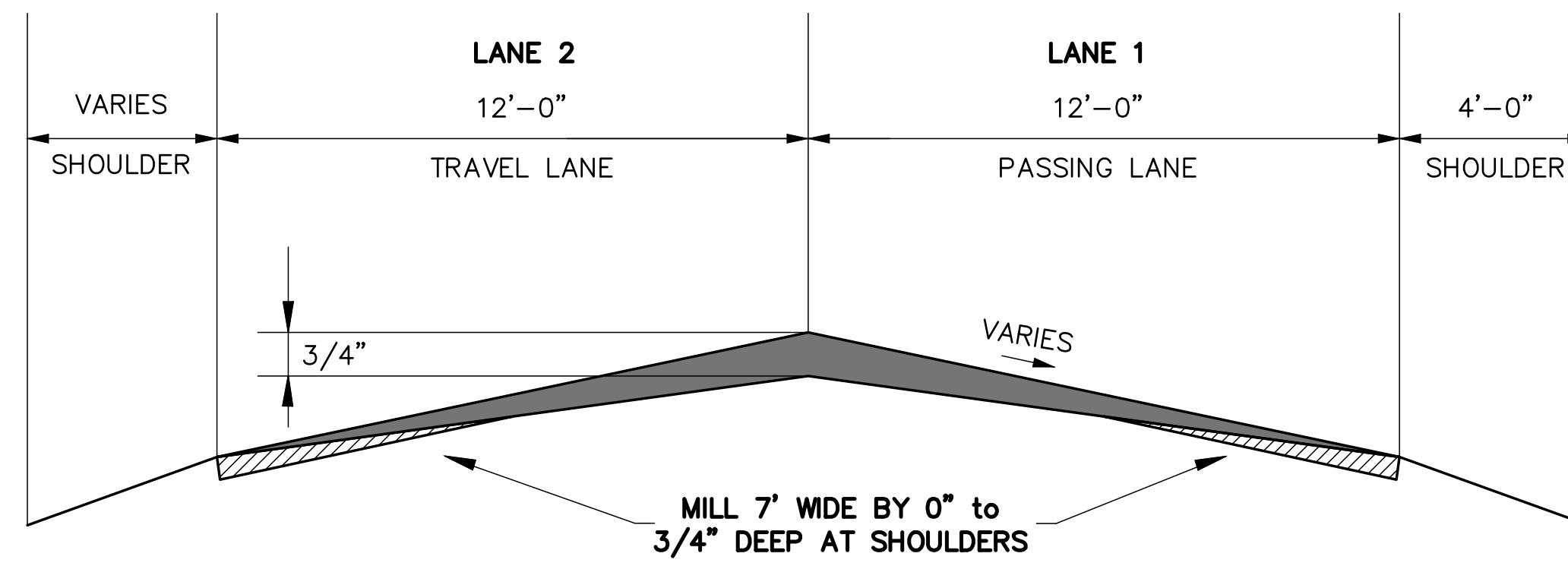
THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: JEFFERY R. NADEAU, P.E.

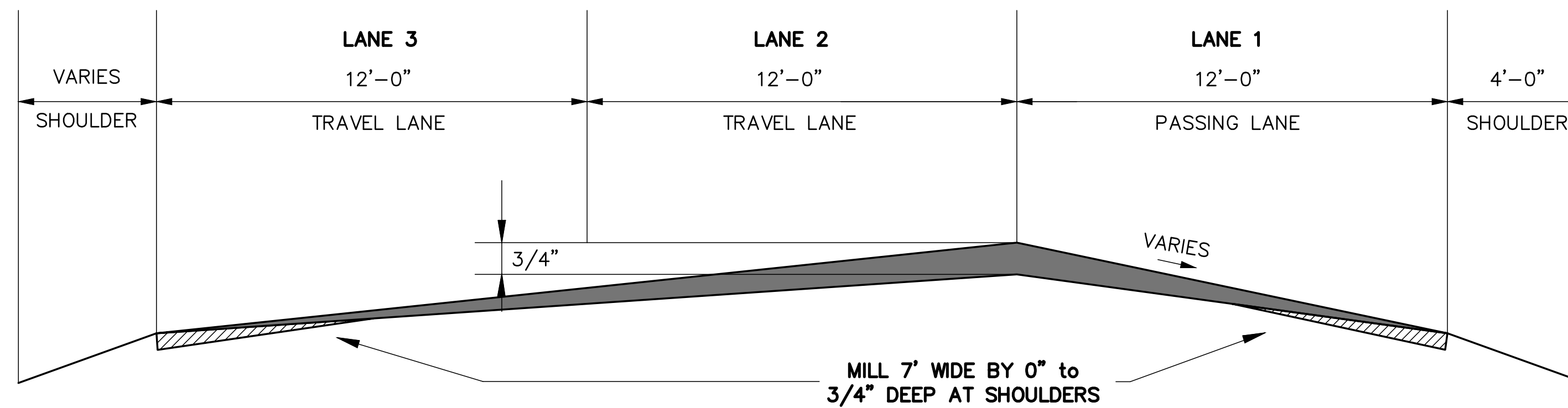
PAVEMENT REHABILITATION
 PAVING LIMITS OVERVIEW

SHEET NUMBER: C-2
 CONTRACT: 2019.01
 3 of 15

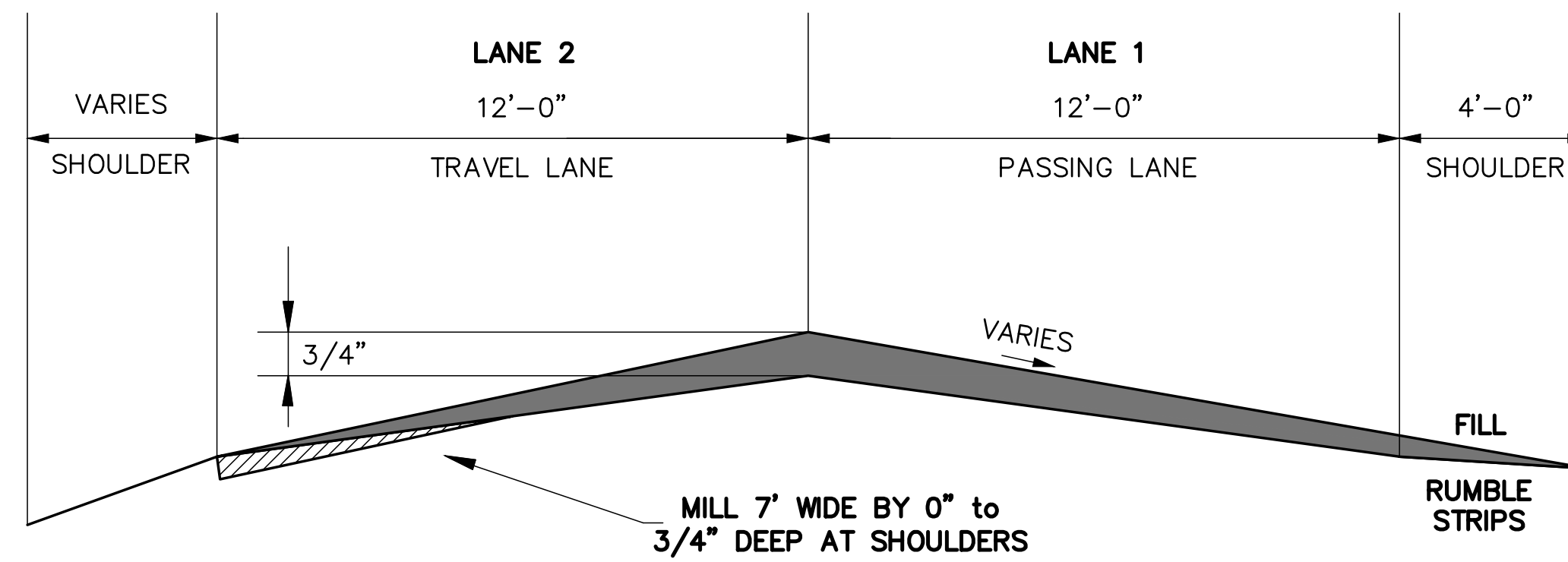
C:\BMB\Projects\2019.01 print date 4.10.2019



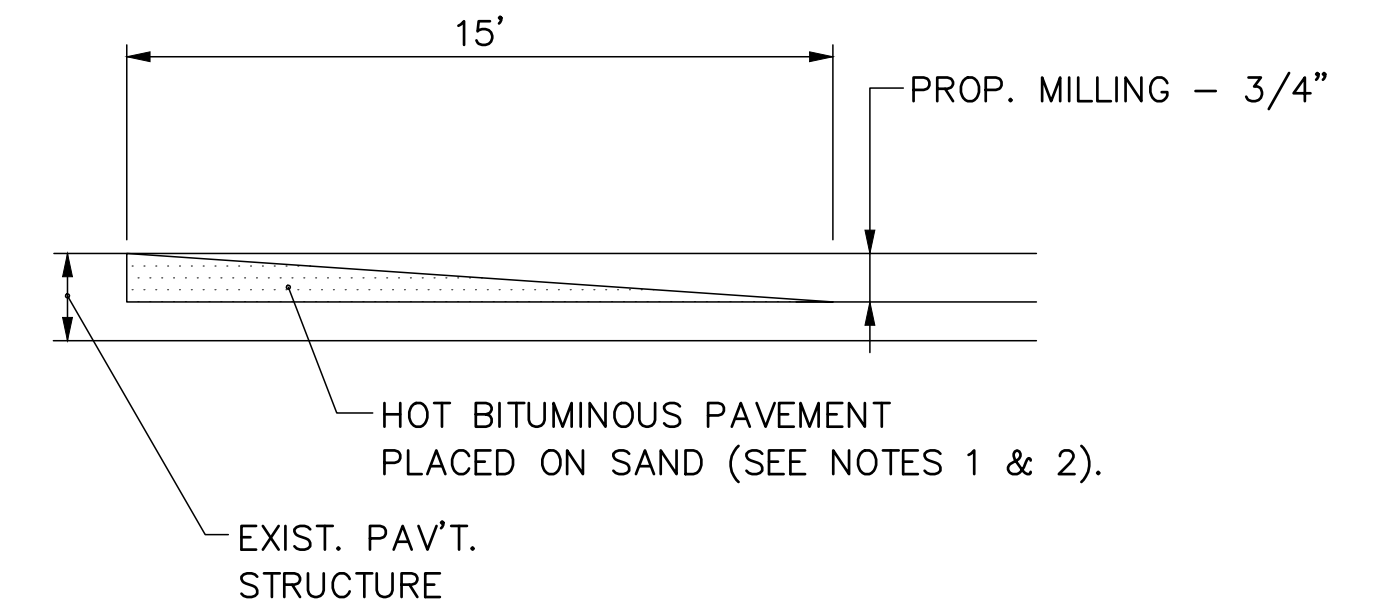
TYPICAL 2 LANE PAVEMENT MILL & FILL
SOUTHBOUND 2163+50 – 2139+50



TYPICAL 3 LANE PAVEMENT MILL & FILL
NORTHBOUND 2069+50 – 2183+50
SOUTHBOUND 2139+50 – 2069+50



TYPICAL 2 LANE PAVEMENT MILL & FILL WITH SNAPS
NORTHBOUND 2183+50 – 2197+50
SOUTHBOUND 2197+50 – 2163+50



TEMPORARY BITUMINOUS RAMP
 N.T.S.

NOTES:

- HOT MIX ASPHALT FOR TEMPORARY RAMPS WILL NOT BE MEASURED FOR PAYMENT, BUT SHALL BE INCIDENTAL TO HOT MIX ASPHALT 9.5mm.
- REMOVAL OF TEMP. BITUMINOUS RAMPS WILL NOT BE MEASURED FOR PAYMENT, BUT SHALL BE INCIDENTAL TO HOT MIX ASPHALT 9.5mm.

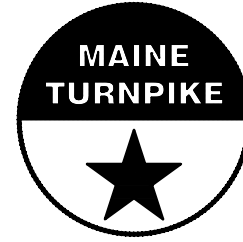
NOTES:

- A COATING OF HOT RUBBERIZED ASPHALT (ASTM D6690 TYPE IV) SHALL BE APPLIED AT THE TOP SURFACE LIFT TO ALL TRANSVERSE BUTT JOINTS AND LONGITUDINAL JOINTS.
- BITUMINOUS TACK COAT IS REQUIRED BETWEEN EXISTING PAVEMENT AND 9.5 MM.

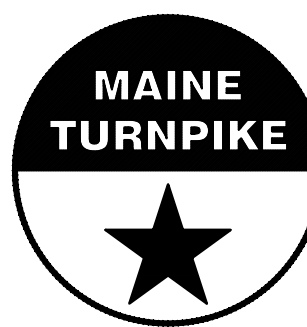
Scale: NOT TO SCALE

No.	Revision	By	Date

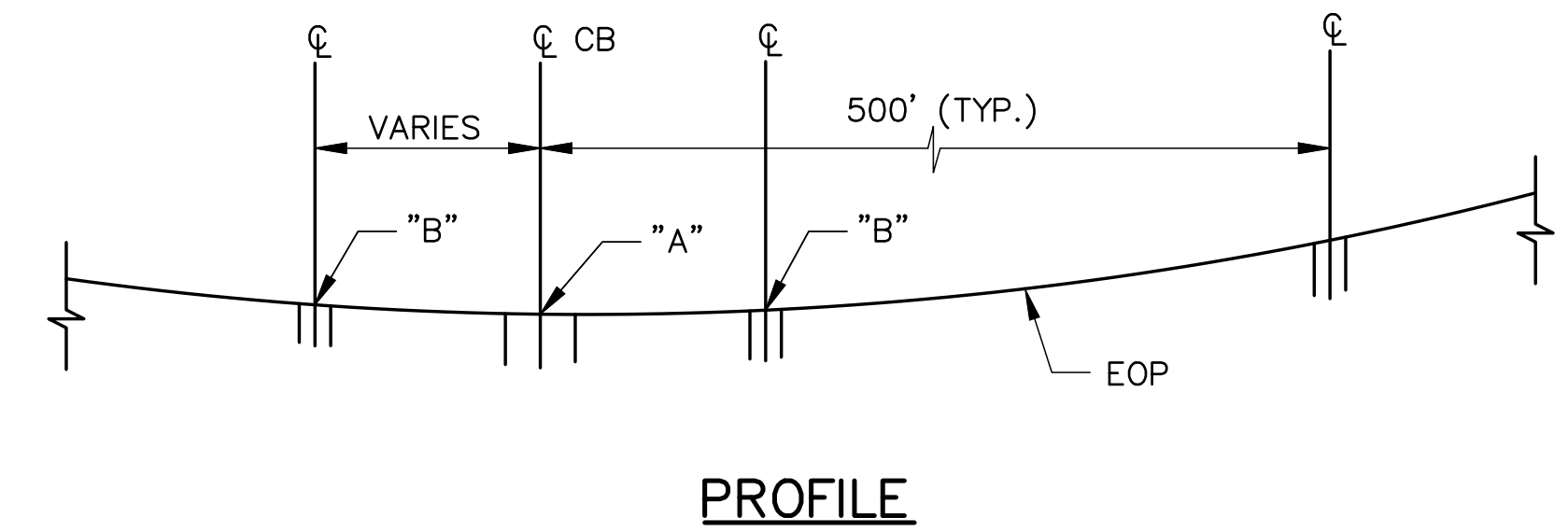
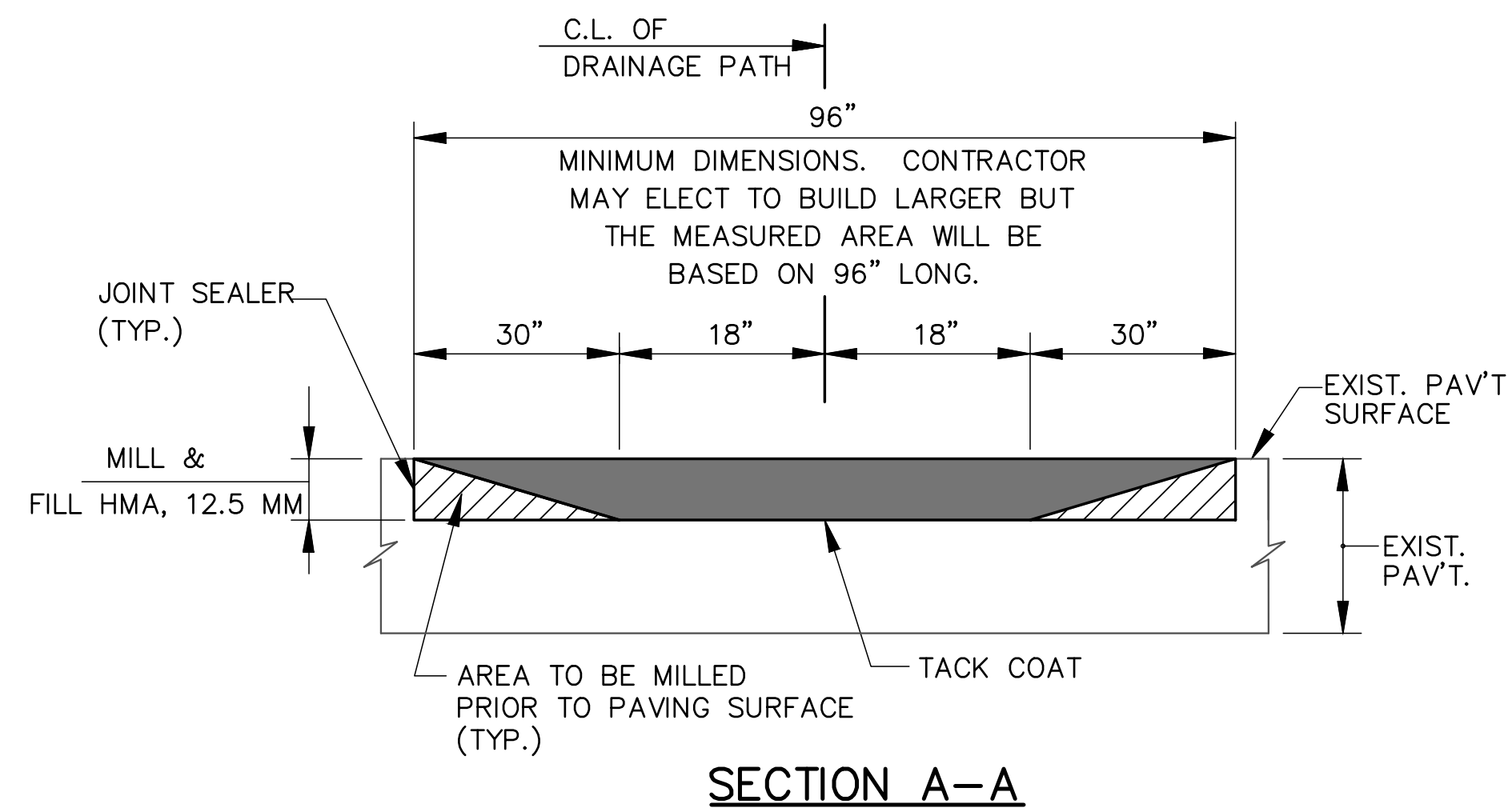
Designed by:

					
	By	Date		By	Date
	Designed	JRN 4/15/2019		Checked	JHM 4/15/2019
	Drawn	BMB 4/15/2019		In Charge of	SRT 4/15/2019

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	<h2>THE GOLD STAR MEMORIAL HIGHWAY</h2>
MTA PROJECT MANAGER: JEFFERY R. NADEAU, P.E.	

PAVEMENT REHABILITATION
TYPICAL SECTIONS
SHEET NUMBER: P-1
CONTRACT: 2019.01
4 of 15



DRAINAGE PATH DETAILS

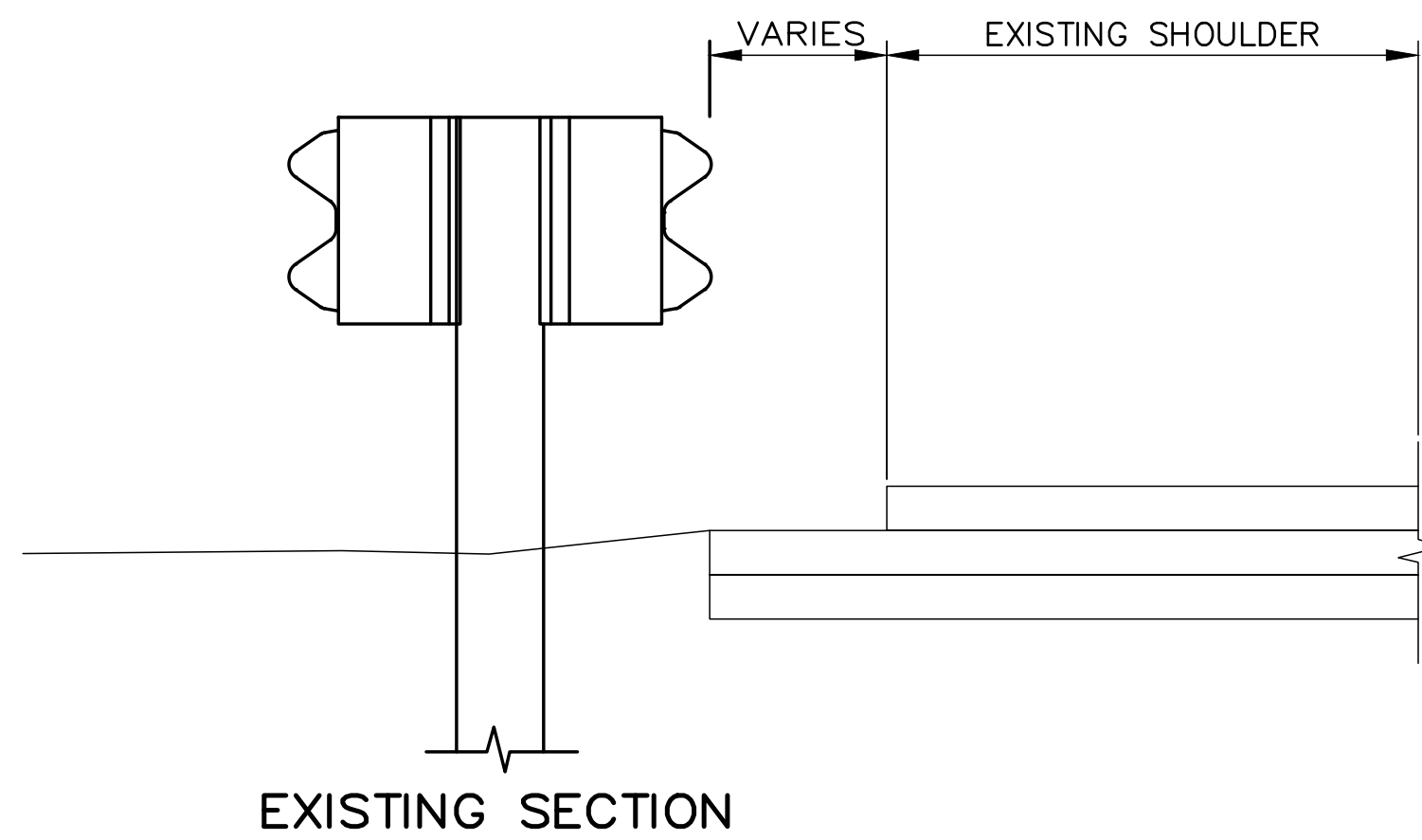
LEGEND

- = DRAINAGE PATH MILLING
- = ROADWAY MILLING

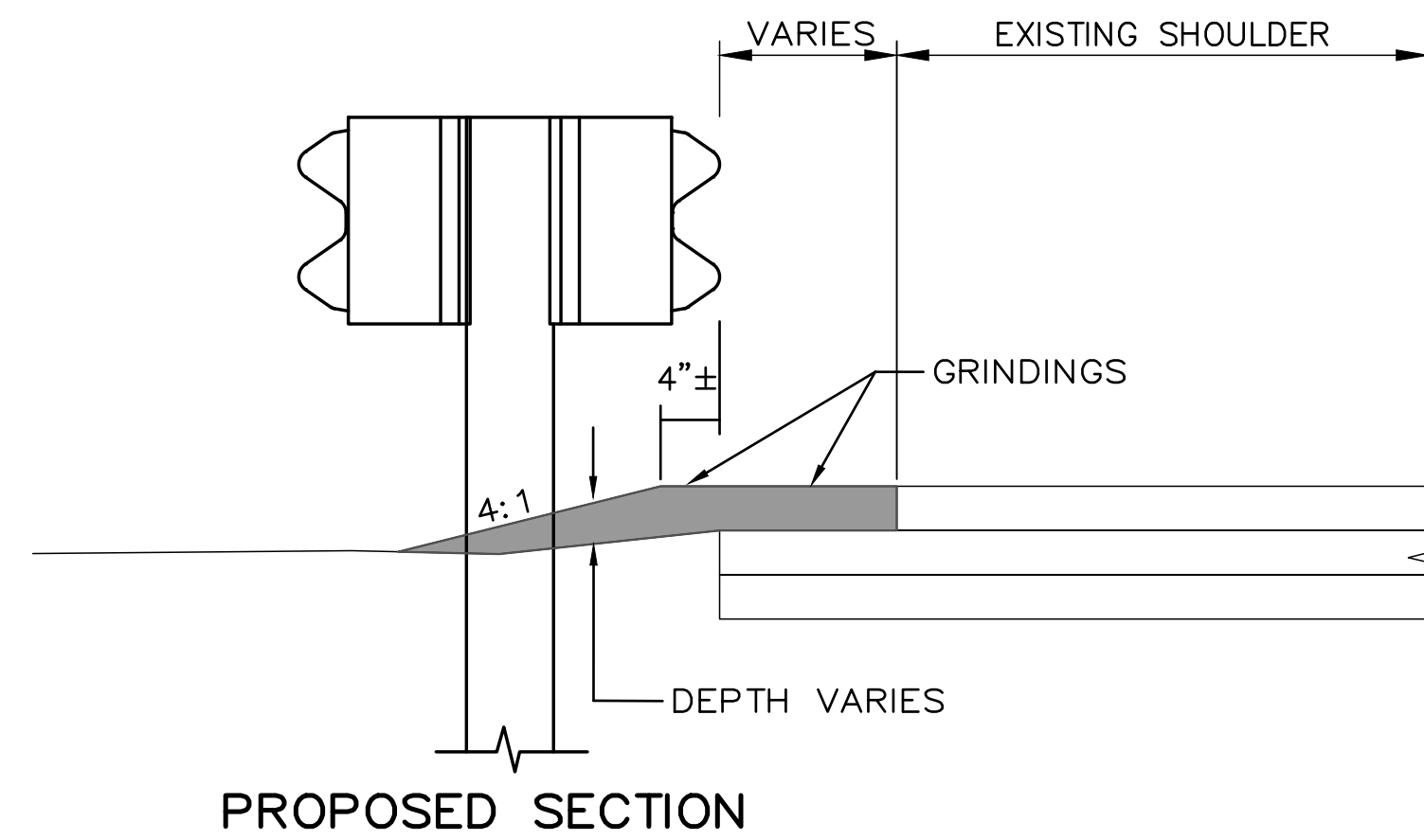
NOTES:

1. POINT "B" IS 1" HIGHER THAN POINT "A".
2. DRAINAGE PATH REQUIRED AT ALL LOW POINTS.
3. MEDIAN LOW POINTS JUST INSIDE THE FOUR FOOT SHOULDER THAT IS MILL SHALL BE OPENED FOR WATER FLOW IF THE EXISTING MATREIAL IS HIGH. THIS SHALL BE INCIDENTAL TO MILLING.
4. DRAINAGE PATHS SHALL BE PAVED BACK IN FLUSH WITH EXISTING PAVEMENT

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 MISCELLANEOUS DETAILS	
No.	Revision	By	Date	By	Date	By	Date		
				Designed	JRN 4/15/2019	Checked	JHM 4/15/2019		
				Drawn	BMB 4/15/2019	In Charge of	SRT 4/15/2019		
							MTA PROJECT MANAGER: JEFFERY R. NADEAU, P.E.		SHEET NUMBER: P-2
							CONTRACT: 2019.01		5 of 15

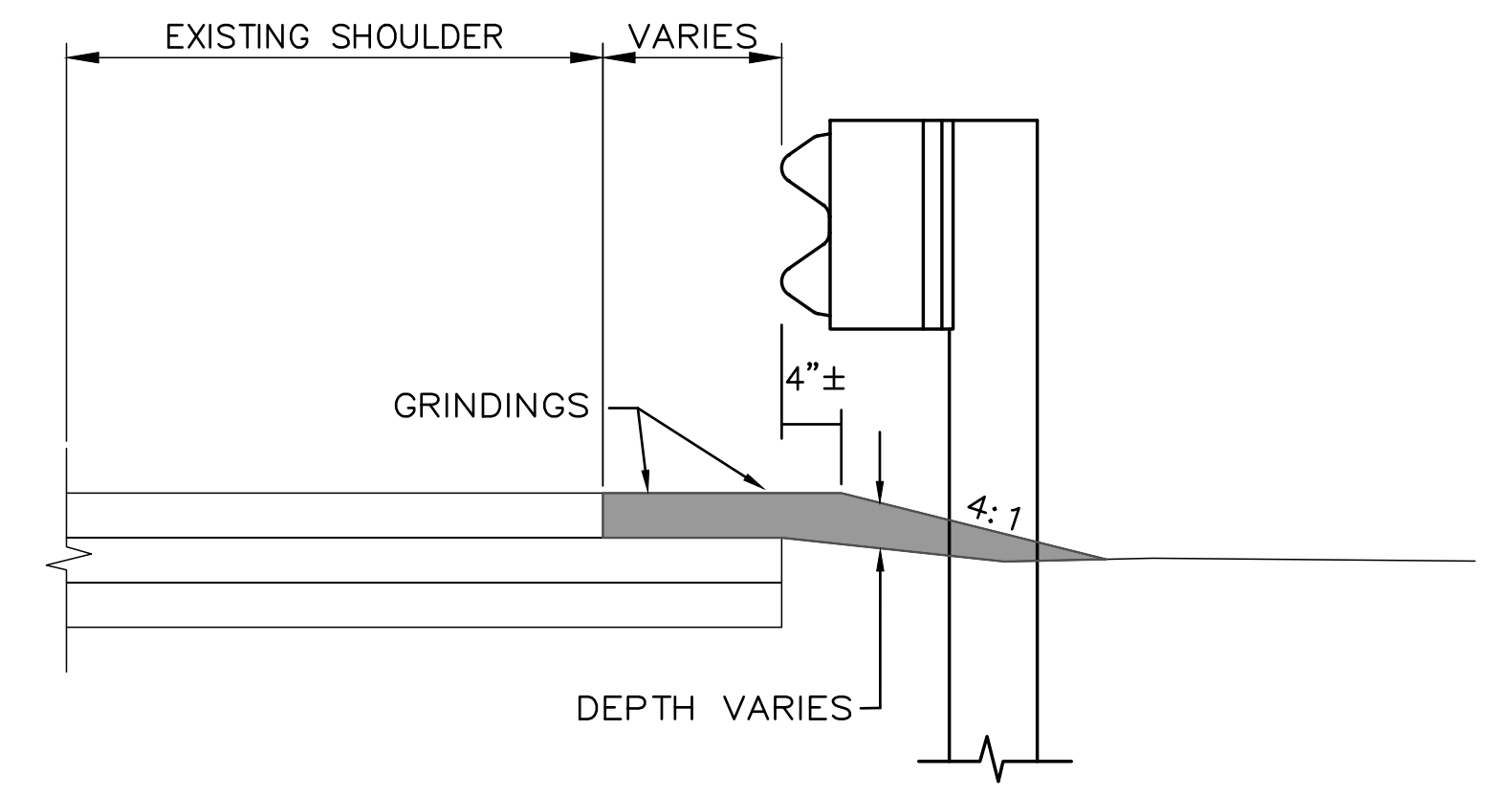


EXISTING SECTION

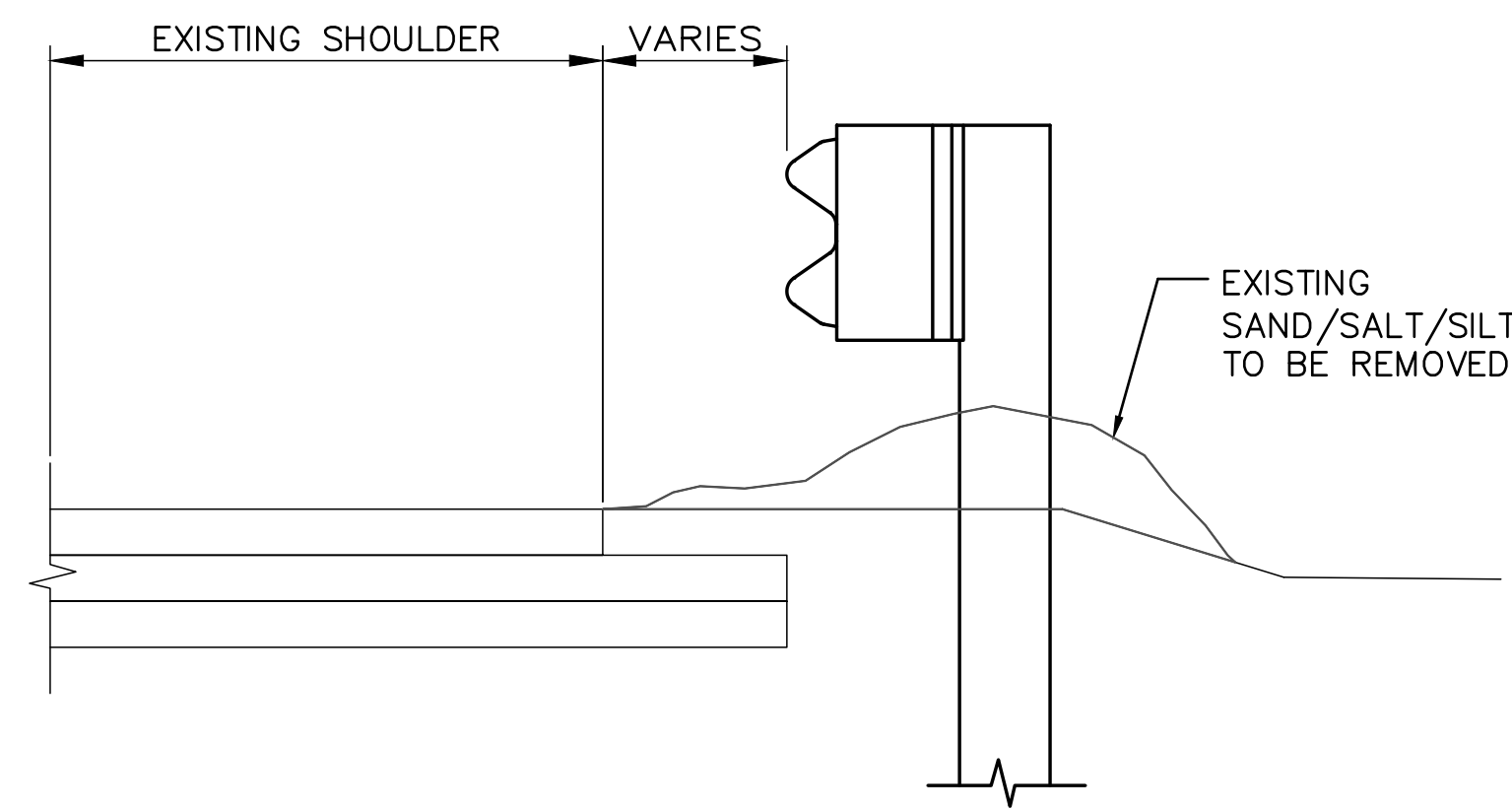


PROPOSED SECTION

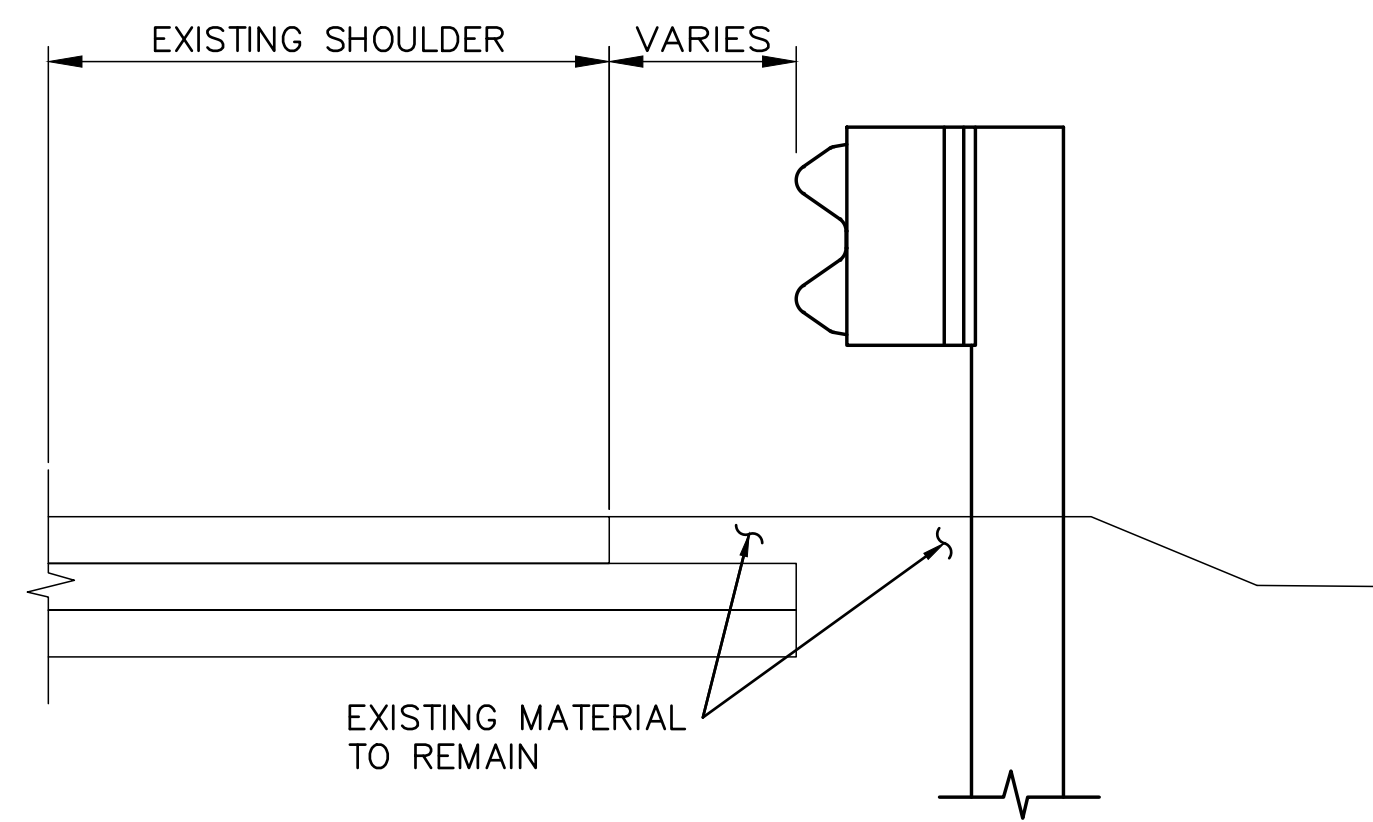
**BERM DROPOFF CORRECTION WITH GUARDRAIL
MEDIAN GUARDRAIL
NOT TO SCALE**



**BERM DROPOFF CORRECTION WITH GUARDRAIL
RIGHT OUTSIDE SHOULDER
NOT TO SCALE**

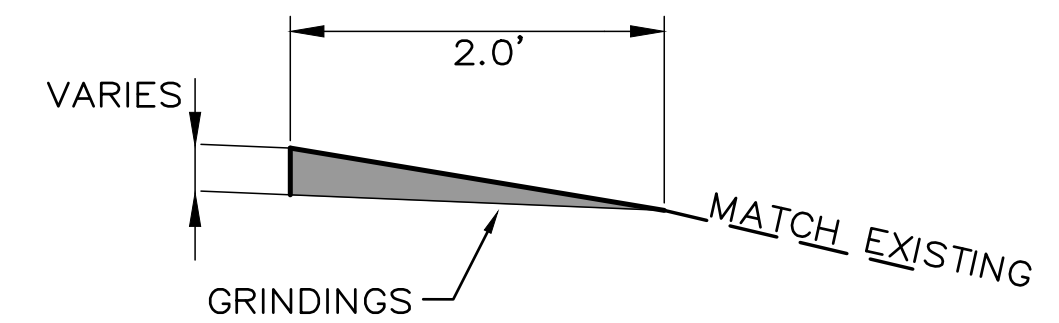


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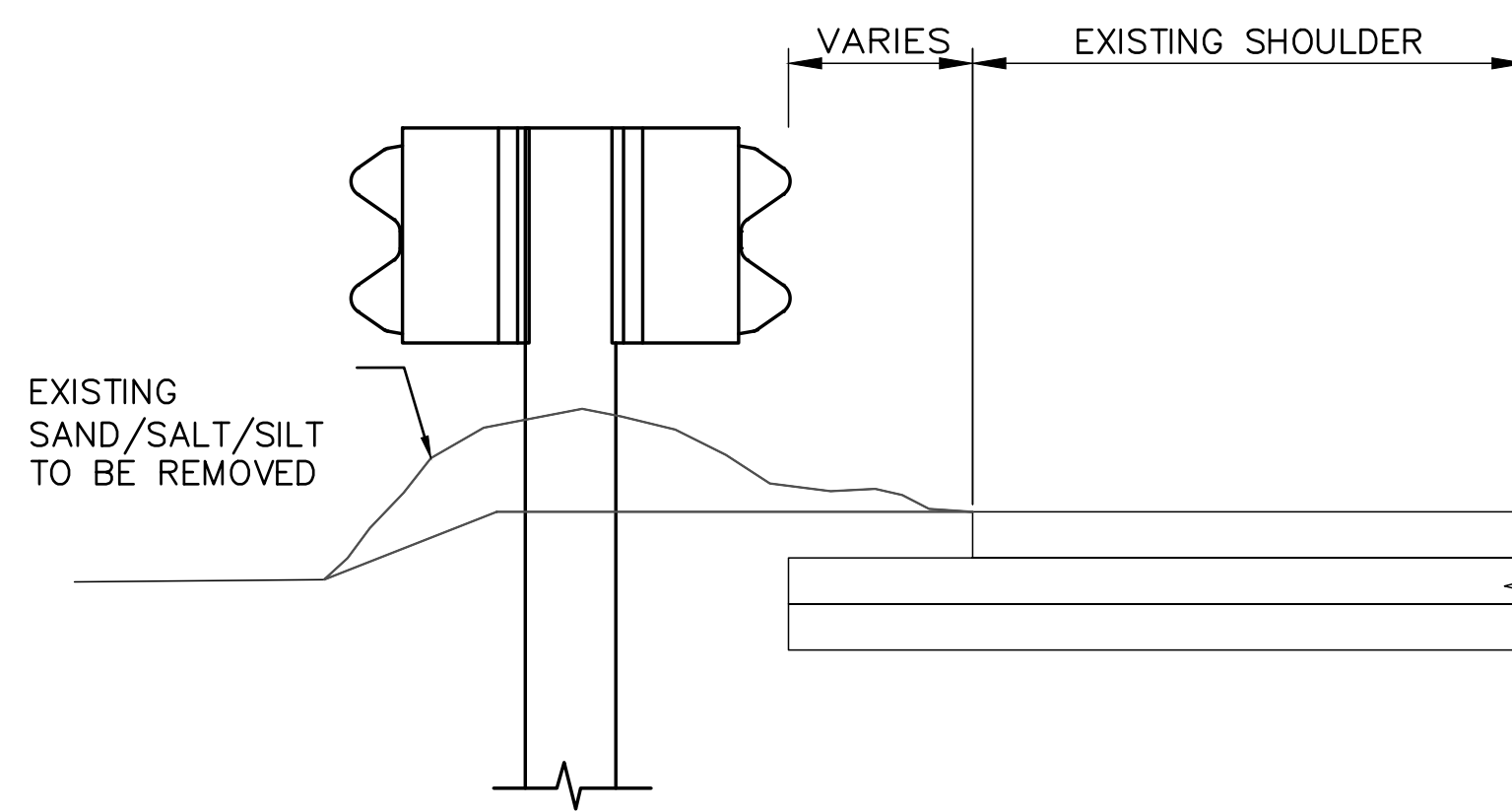


PROPOSED SECTION

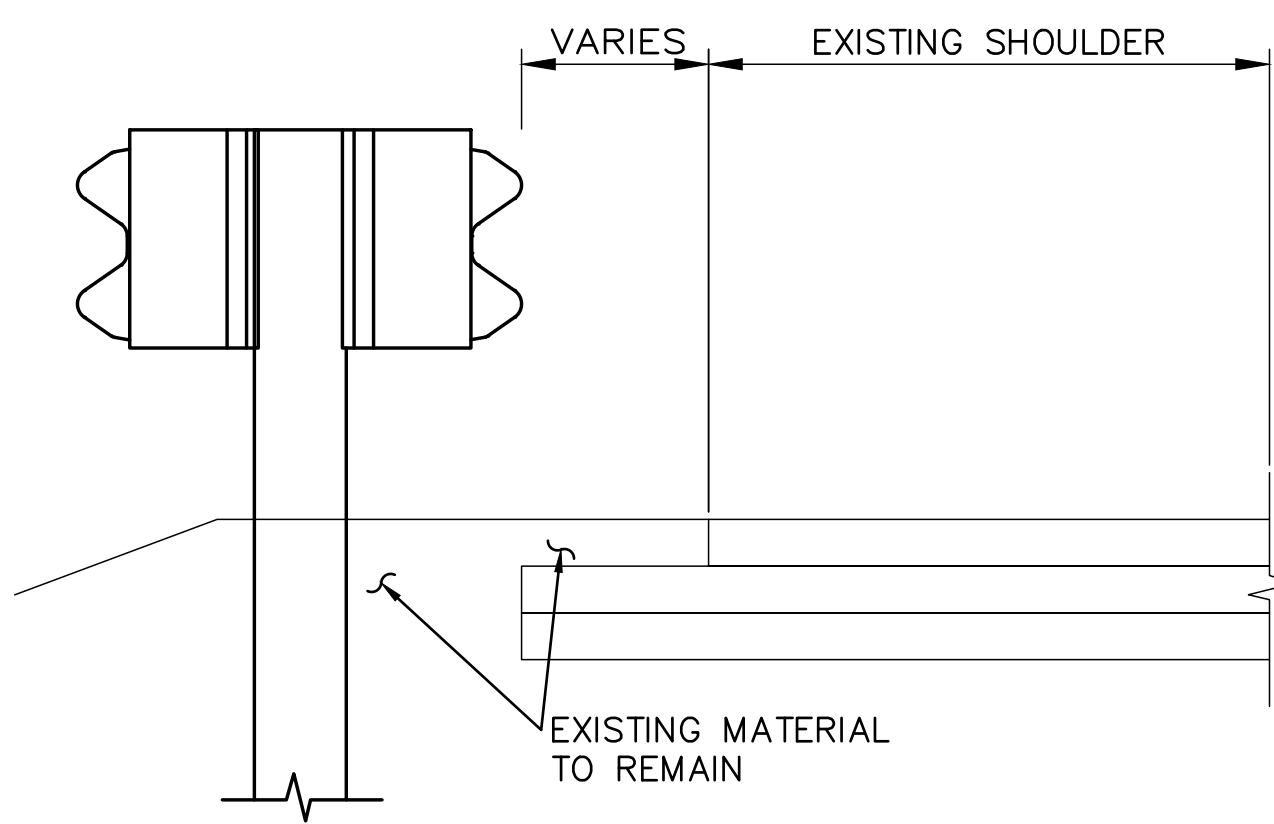
**BERM CORRECTION WITH GUARDRAIL
RIGHT OUTSIDE SHOULDER
NOT TO SCALE**



**DETAIL A
(WITHOUT GUARDRAIL)**



EXISTING SECTION



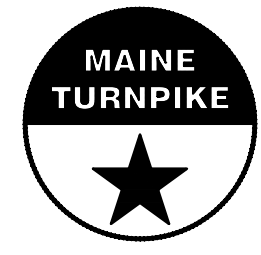
PROPOSED SECTION

**BERM CORRECTION WITH GUARDRAIL
MEDIAN GUARDRAIL
NOT TO SCALE**

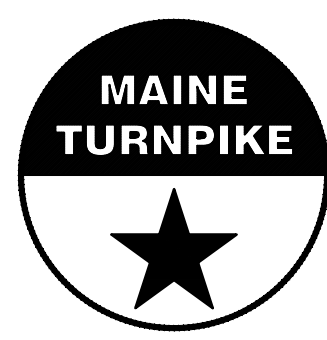
BERM CORRECTION LOCATIONS:
NB & SB
STA. 2120+00 -> 2125+00 = 1000 L.F.

- NOTES:**
1. BERM DROPOFF CORRECTION WILL BE PLACED AT ALL LOCATIONS EXCEPT WHERE THE BERM CORRECTION WORK OCCURS
 2. BERM CORRECTION NEEDS TO BE COMPLETED PRIOR TO MILLING UNLESS THE HIGH EXISTING SECTIONS ARE OPENED FOR DRAINAGE PATHS.

Scale: NOT TO SCALE			
No.	Revision	By	Date

Designed by:					
					
	By	Date		By	Date
	JRN	4/15/2019	Checked	JHM	4/15/2019
	Drawn	BMB	4/15/2019	In Charge of	SRT

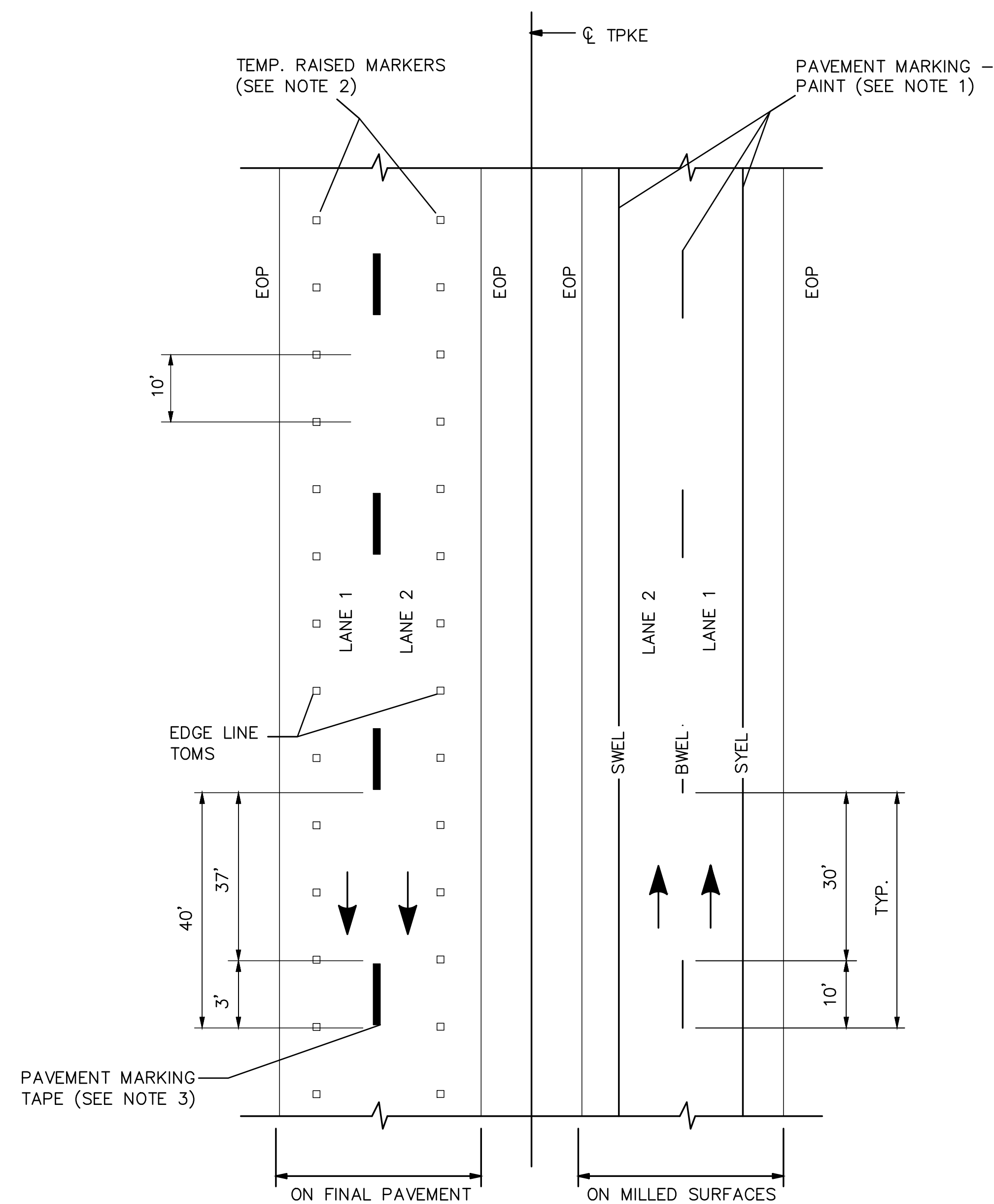
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Portland, ME 04102
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**THE GOLD STAR
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: JEFFERY R. NADEAU, P.E.

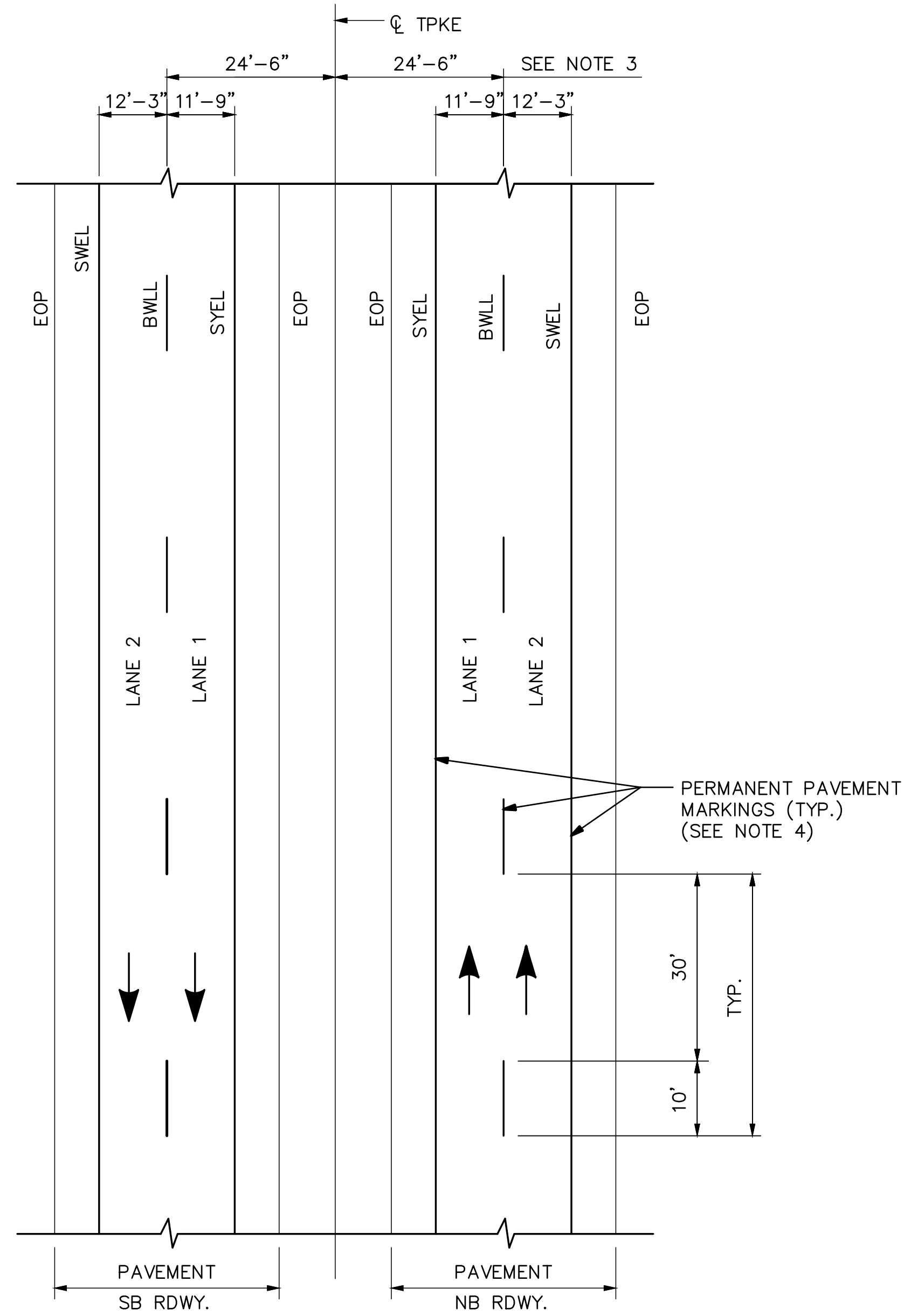
PAVEMENT REHABILITATION BERM DETAILS
SHEET NUMBER: P-3
CONTRACT: 2019.01
6 of 15



**TEMP. PAVEMENT MARKINGS
2 LANE RDWY**

NOTES:

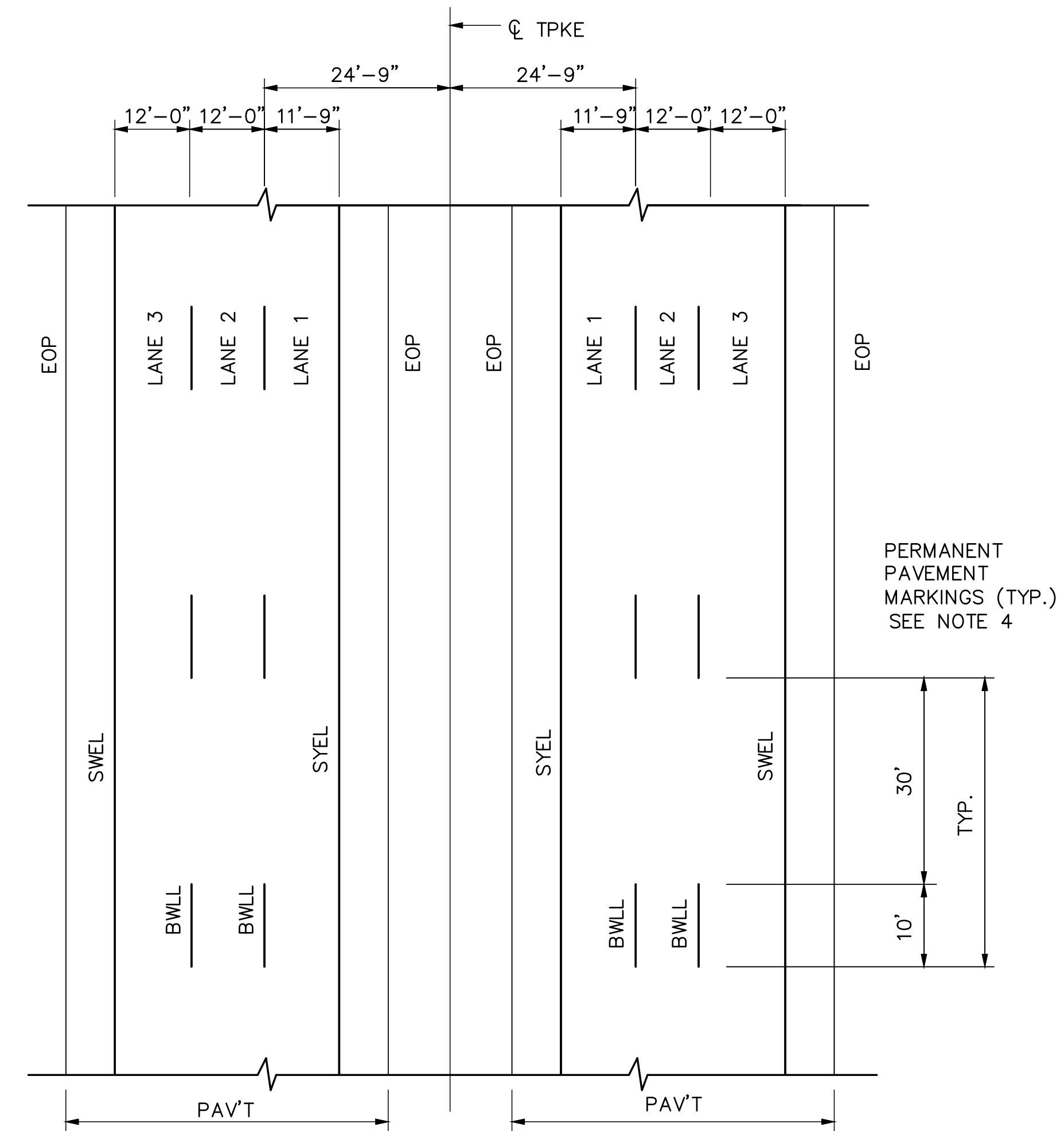
- TEMPORARY PAVEMENT MARKINGS ON MILLED PAVEMENT SHALL BE 6" SOLID WHITE, BROKEN WHITE, AND SOLID YELLOW PAINT LINES.
- SWEL AND SYEL SHALL BE TEMPORARY RAISED PAVEMENT MARKERS SPACED AT 10'-0" O.C. AND OFFSET FROM FINAL STRIPING LOCATION.
- BWLL SHALL BE PAVEMENT MARKING TAPE. 3' PIECES SHALL BE PLACED AT 40'-0" O.C. AND OFFSET FROM FINAL STRIPING LOCATION.
- FINAL PAINTED PAVEMENT MARKINGS WILL BE LAID OUT BY CONTRACTOR AND INSTALLED BY MTA. RESIDENT SHALL BE ALLOWED TO REVIEW LAYOUT.
- ONCE FINAL PAINTED LINES ARE COMPLETED BY MTA, CONTRACTOR WILL REMOVE ALL TAPE AND TOMS.



**PERMANENT PAVEMENT MARKINGS
2 LANE RDWY**

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

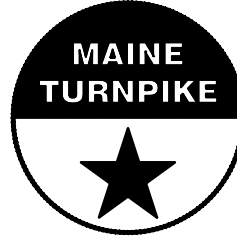


**PERMANENT PAVEMENT MARKINGS
3 LANE RDWY**

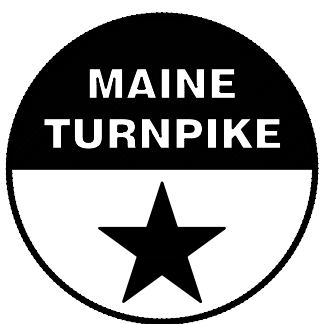
NOTES:

- PAVEMENT MARKINGS SHALL BE 6" WIDE LINES.
- THE OFFSET DISTANCES SHOWN ARE MEASURED FROM THE CENTER OF THE 6" PAINT LINES.

Scale:			
NOT TO SCALE			
No.	Revision	By	Date

Designed by:					
					
	By	Date		By	Date
	JRN	4/15/2019	Checked	JHM	4/15/2019
	BMB	4/15/2019	In Charge of	SRT	4/15/2019

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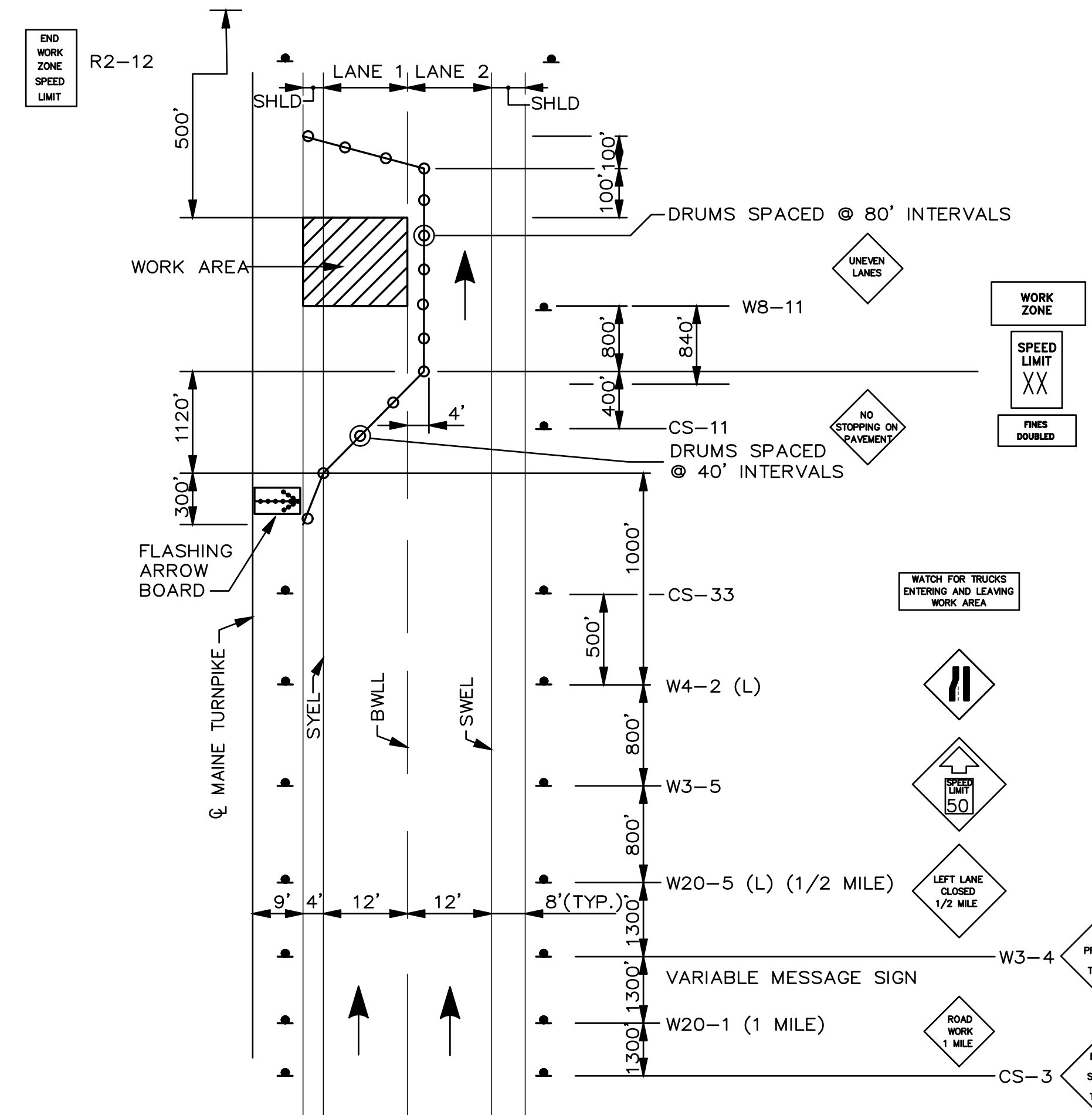


**THE GOLD STAR
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: JEFFERY R. NADEAU, P.E.

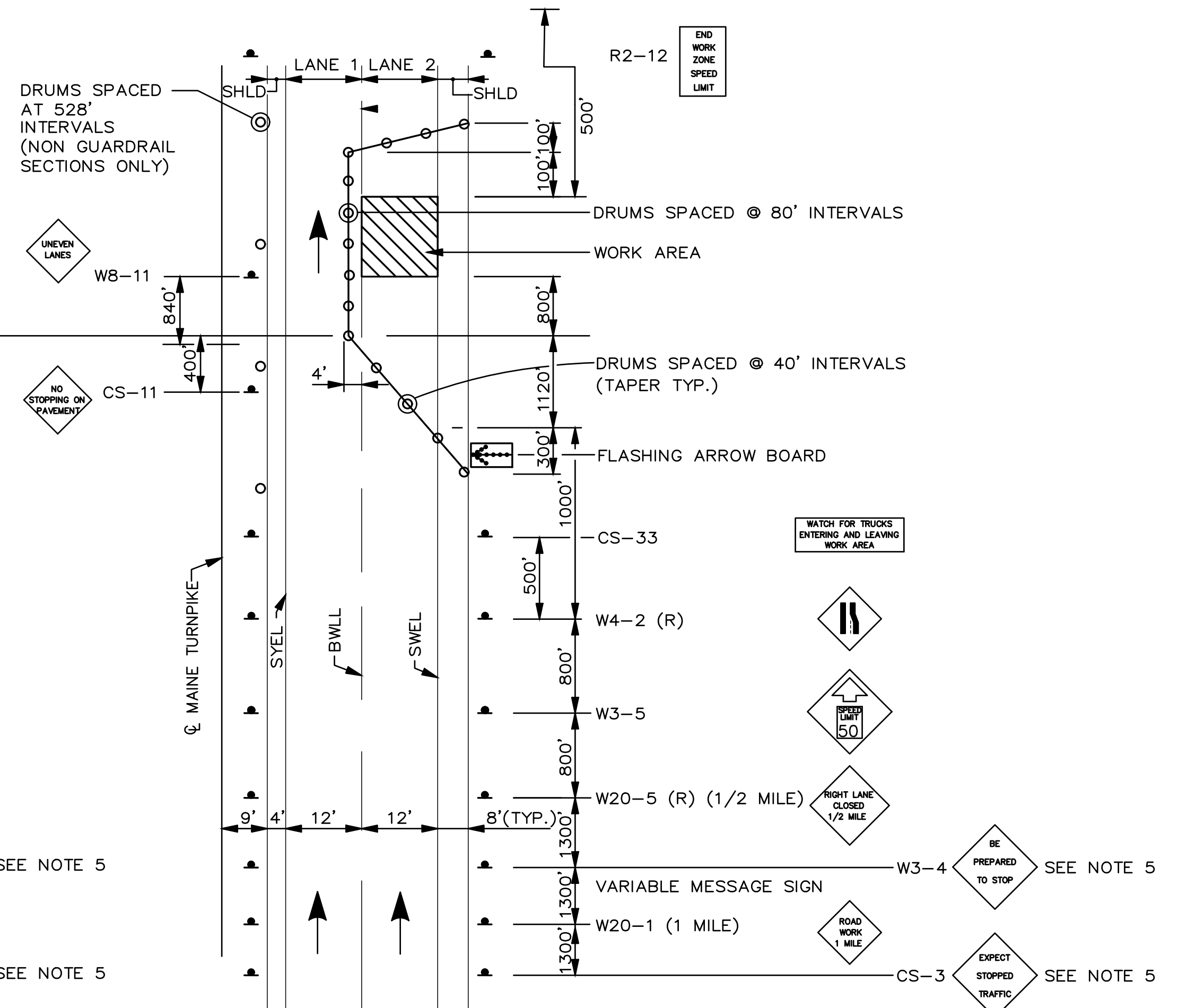
PAVEMENT REHABILITATION	
PAVEMENT MARKING DETAILS	
SHEET NUMBER: P-4	
CONTRACT: 2019.01	7 of 15

SHIFT OFFSET	SPEED	TAPER LENGTH (MIN.)
12'	50	300'
12'	60	360'
12'	70	420'

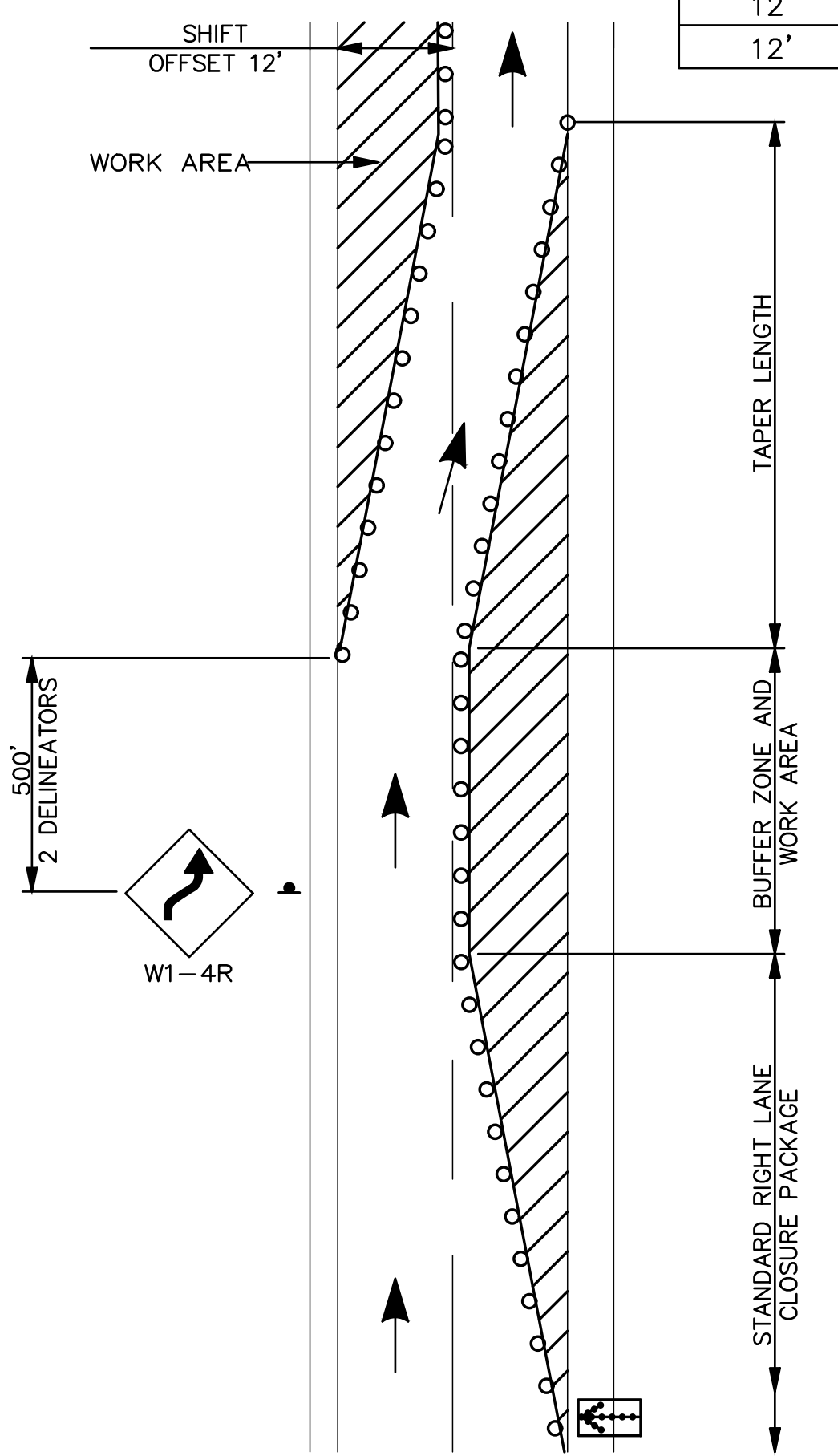


**LANE CLOSURE FOR MILLING AND PAVING OPERATIONS
LANE 1**

**LANE CLOSURE FOR PAVEMENT MARKINGS
LANE 1**



**LANE CLOSURE FOR MILLING AND PAVING OPERATIONS
LANE 2**



**SINGLE LANE CLOSURE
LANE SHIFT TO ADJACENT LANE**

NOTES:
 RIGHT LANE CLOSED SHIFTING TO LEFT LANE CLOSED SHOWN.
 LEFT LANE CLOSED SHIFTING TO RIGHT LANE CLOSED SIMILAR. USE W1-4L SIGN NOT W1-4R SIGN.

- NOTES:**
- FOR SIGN DETAILS, SEE SIGN SUMMARY SHEETS.
 - ALL TEMPORARY LANE CLOSURE SIGNS ARE TO BE MOUNTED ON EASELS.
 - STANDARD SINGLE LANE CLOSURES FOR LANES 1 AND 2 SHALL BE USED FOR DRAINAGE WORK, GUARDRAIL WORK, CLEAR ZONE IMPROVEMENTS, MEDIAN CROSSOVER WORK, EQUIPMENT MOVES, BERM DROP OFF CORRECTION WORK, PAINTING OF SOLID WHITE LANE LINES, AND ALL OTHER WORK NOT REQUIRING ENCROACHMENT INTO THE ADJACENT LANE.
 - SEE SHEET T-3 FOR STANDARD SINGLE LANE CLOSURE DETAILS.
 - 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

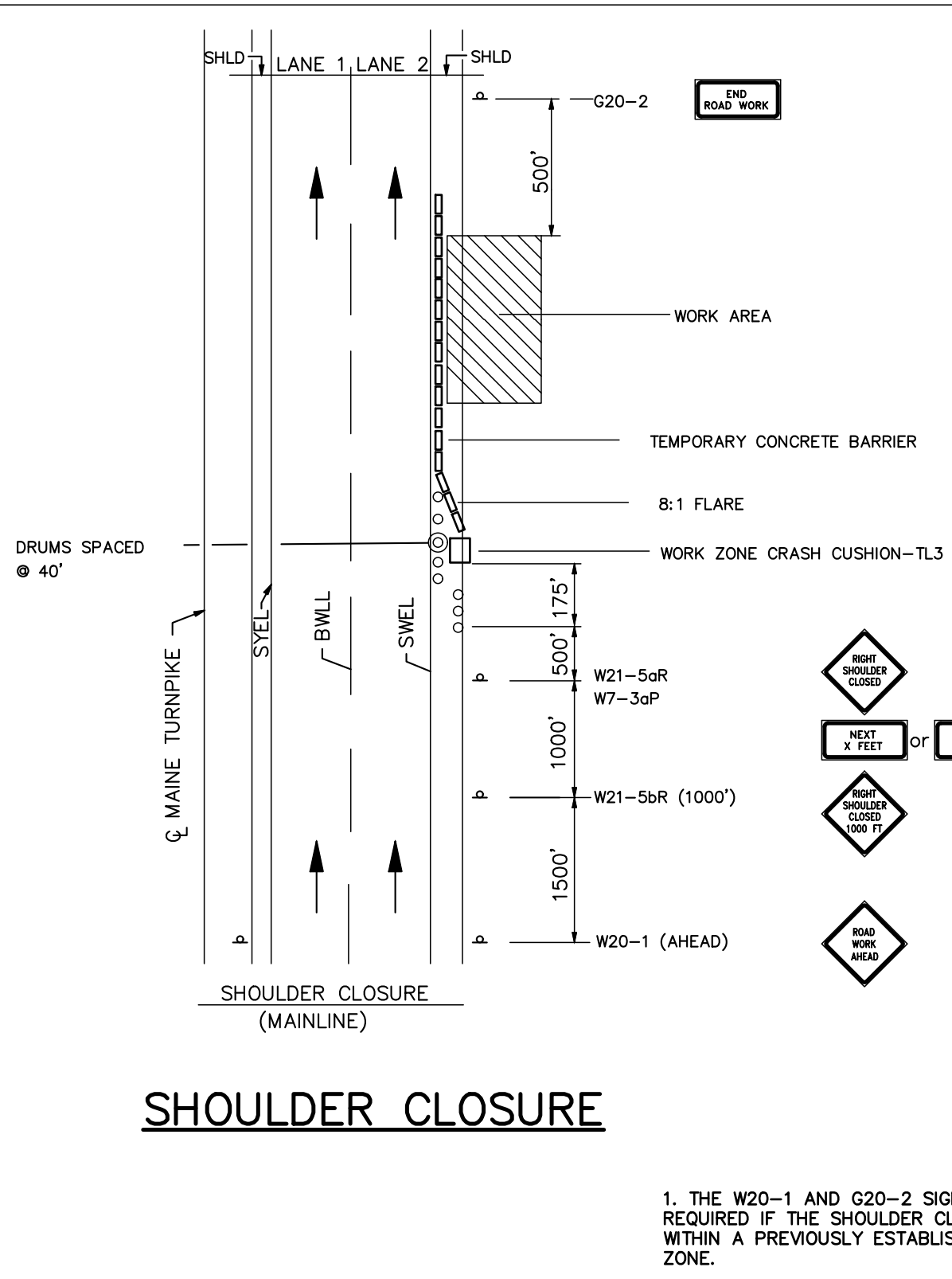
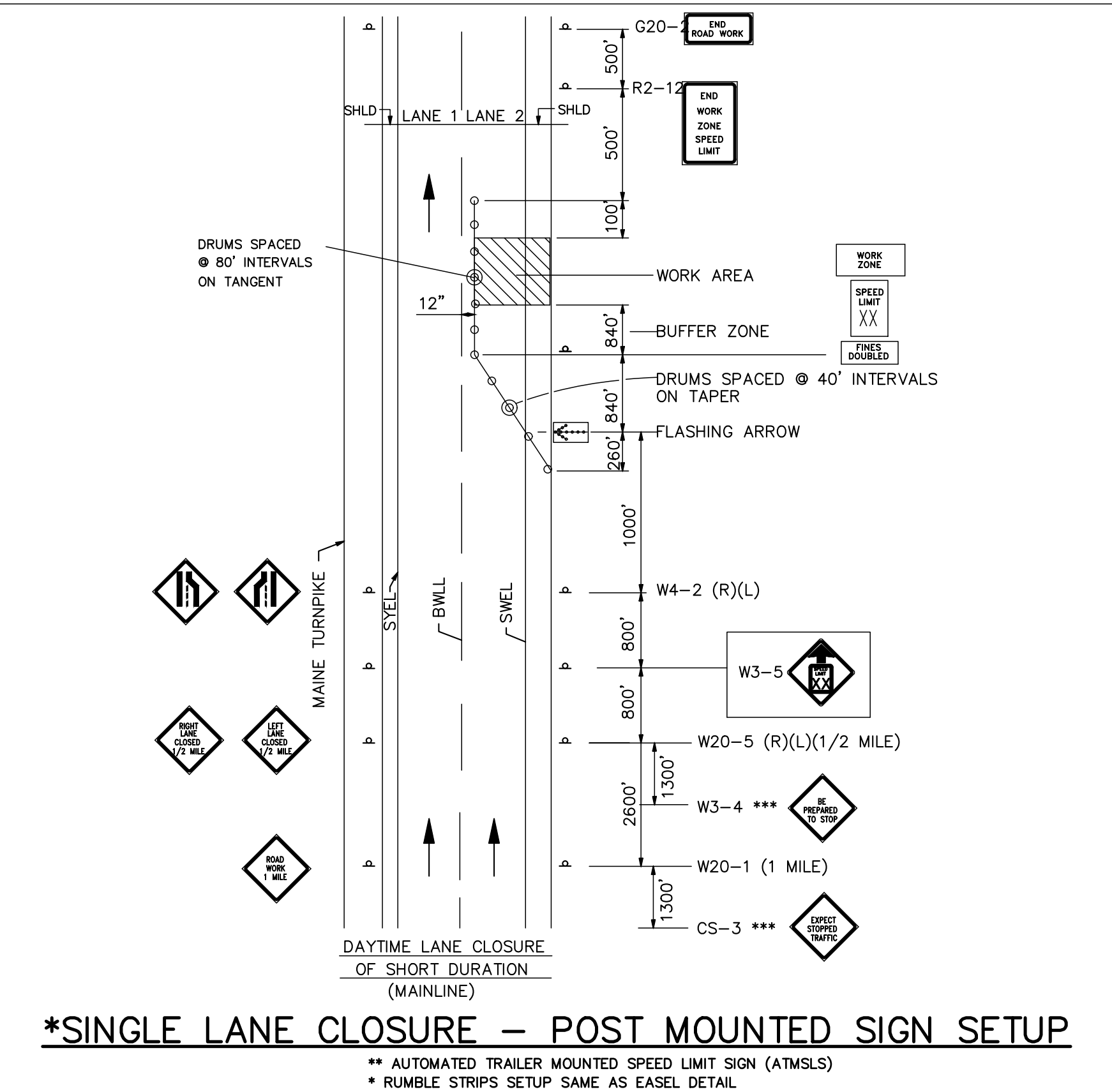
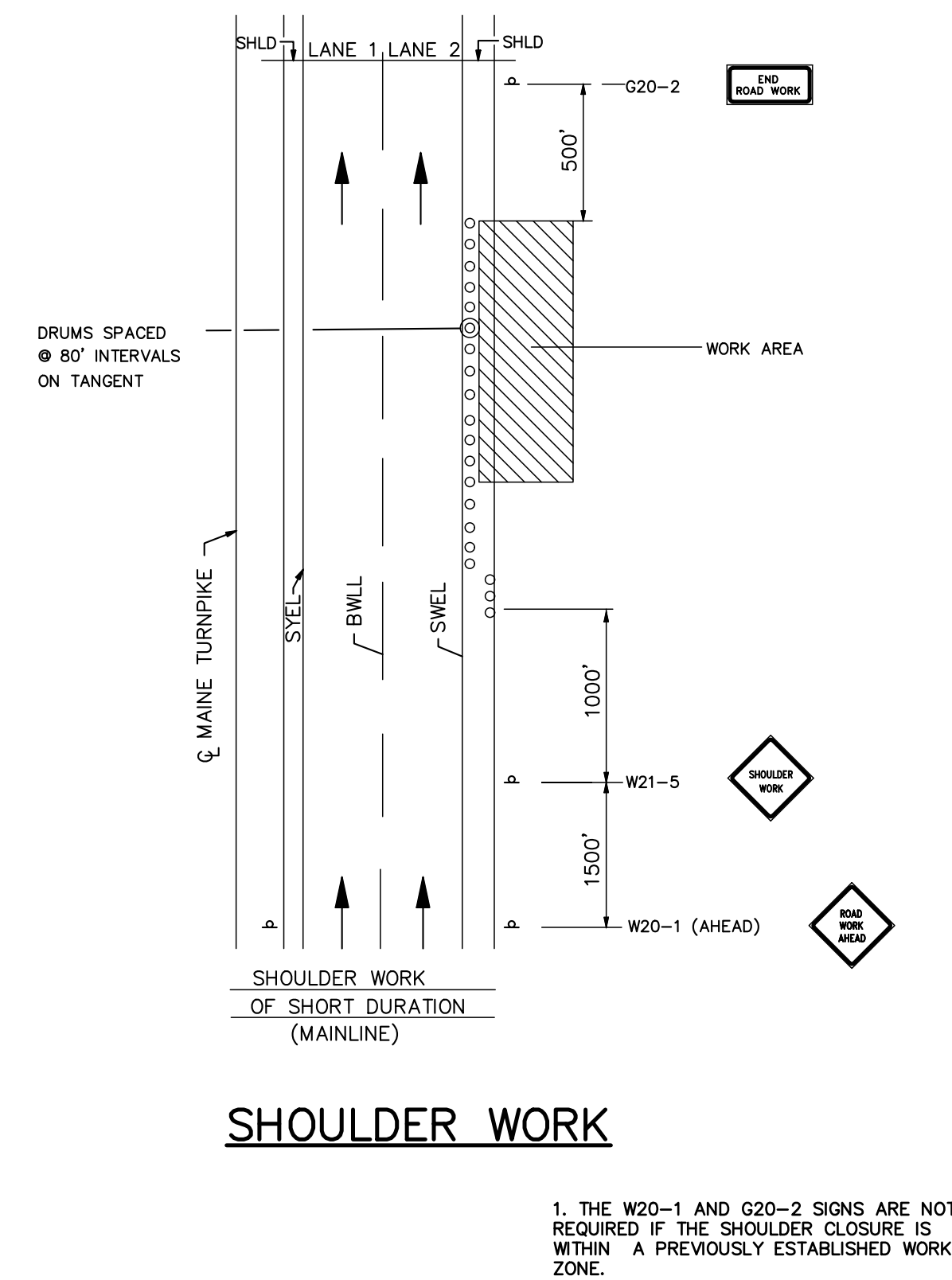
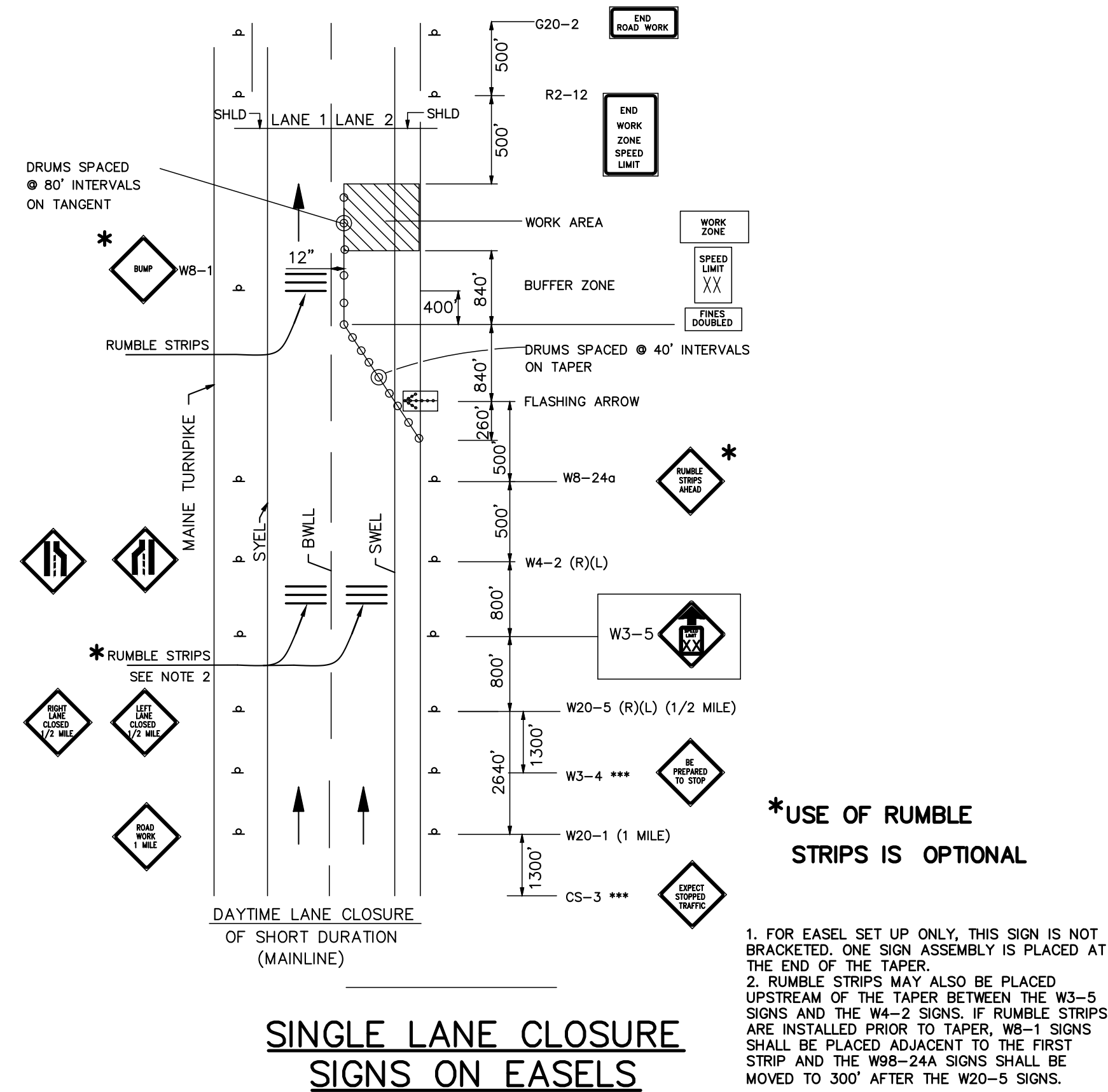
Designed by:

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**THE GOLD STAR
 MEMORIAL HIGHWAY**
 MTA PROJECT MANAGER: JEFFERY R. NADEAU, P.E.

PAVEMENT REHABILITATION
 TRAFFIC CONTROL DETAILS 1
 SHEET NUMBER: T-1
 CONTRACT: 2019.01
 8 of 15



- GENERAL MAINTENANCE OF TRAFFIC NOTES:**
- ALL WORK TO CONFORM TO MAINE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGES 2014, EXCEPT AS MODIFIED BY THE MAINE TURNPIKE AUTHORITY'S GENERAL AND SPECIAL PROVISIONS.
 - 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. NOTE THERE IS A 2009 EDITION OF MUTCD.
 - 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.
 - THE CONTRACTOR SHALL REMOVE ALL PAVEMENT MARKINGS THAT CONFLICT WITH PROPOSED PAVEMENT MARKINGS IN ACCORDANCE WITH THE SPECIFICATIONS AND MUTCD. PAYMENT SHALL BE MADE UNDER ITEM 627.77 - REMOVING PAVEMENT MARKINGS.
 - EXPOSED BARRIER ENDS SHALL BE PROTECTED BY A WORK ZONE CRASH CUSHION. PAYMENT WILL BE UNDER ITEM 527.341 - WORK ZONE CRASH CUSHION - TL-3.
 - SPEED LIMIT, STOP, YIELD AND EXIT SIGNS SHALL BE A MINIMUM OF 5' ABOUT THE GROUND.

ABBREVIATIONS FOR ALL M.O.T. PLANS

BWLL = BROKEN WHITE LANE LINE
 BWEL = SOLID WHITE EDGE LINE
 SYEL = SOLID YELLOW EDGE LINE
 TBWLL = TEMPORARY BROKEN WHITE LANE LINE
 TSWEL = TEMPORARY SOLID WHITE EDGE LINE
 TSYEL = TEMPORARY SOLID YELLOW EDGE LINE

Scale: NOT TO SCALE

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

Designed by:

	By	Date	By	Date	
Designed	JRN	4/15/2019	Checked	JHM	4/15/2019
Drawn	BMB	4/15/2019	In Charge of	SRT	4/15/2019

MAINE TURNPIKE AUTHORITY
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 Portland, ME 04102
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 FAX (207) 879-5567

**THE GOLD STAR
MEMORIAL HIGHWAY**

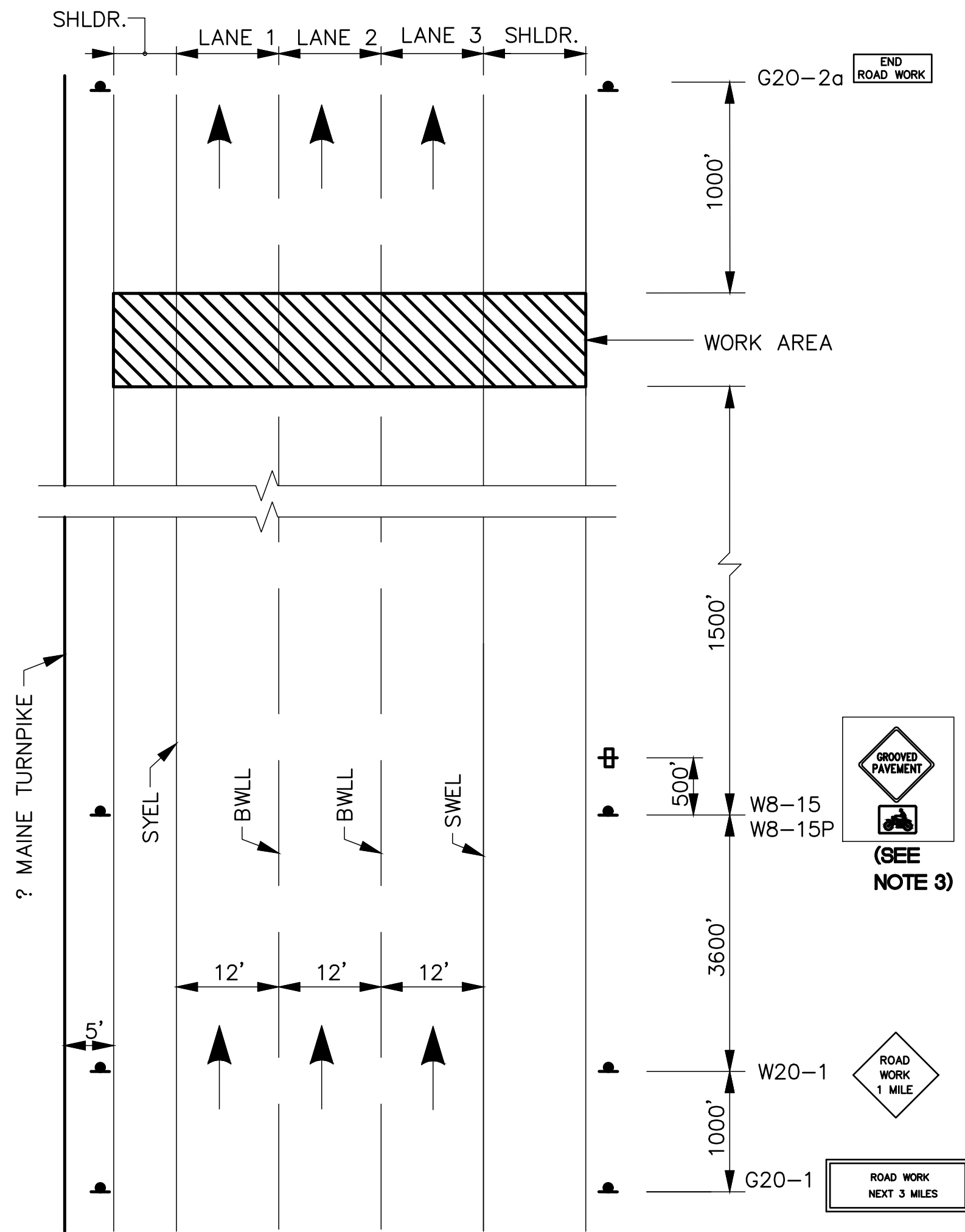
MTA PROJECT MANAGER: JEFFERY R. NADEAU, P.E.

PAVEMENT REHABILITATION

TRAFFIC CONTROL DETAILS 2

SHEET NUMBER: T-2

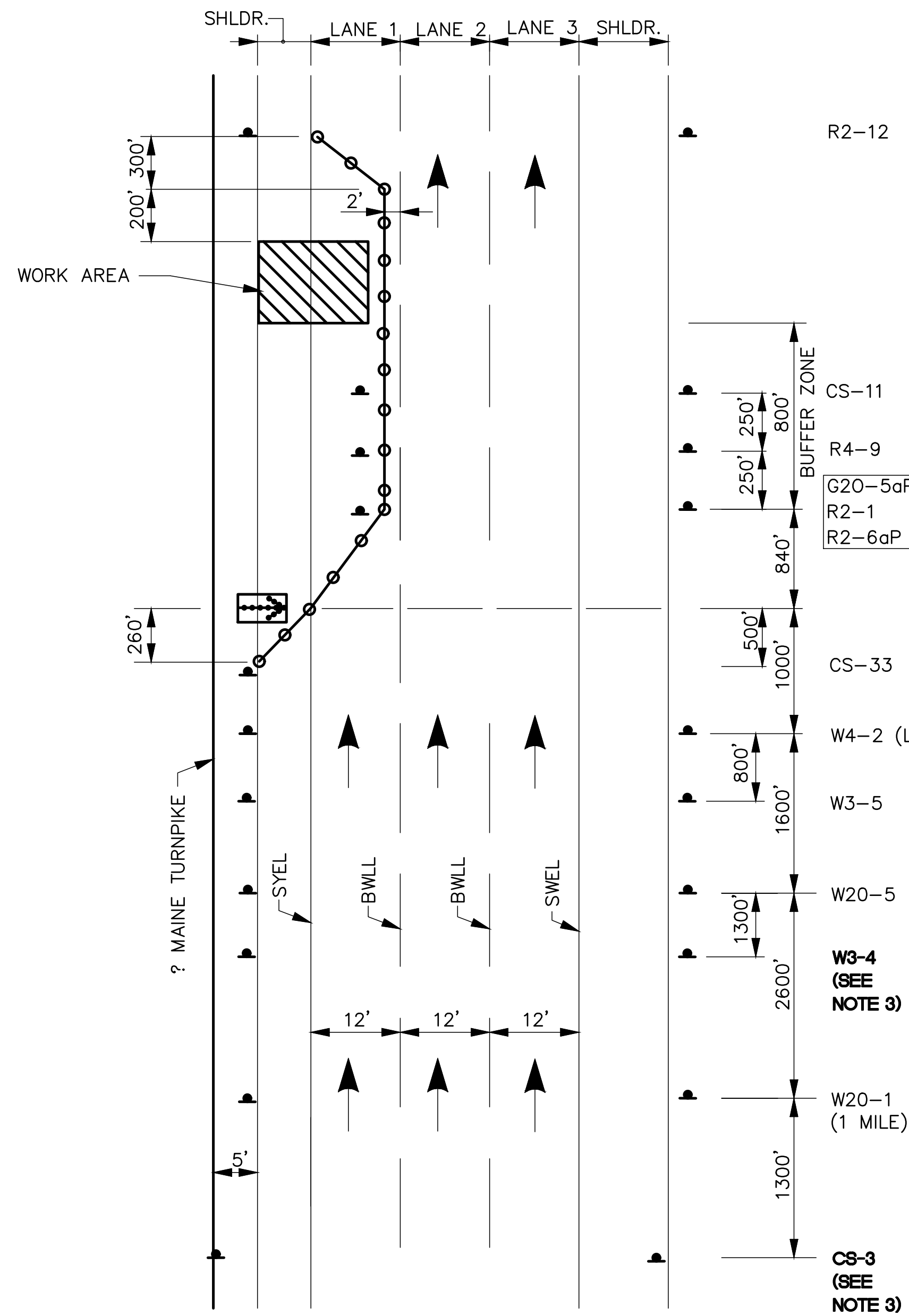
CONTRACT: 2019.01 9 of 15



**MAINLINE
BEGINNING OF WORK SIGNAGE**

NOTES:

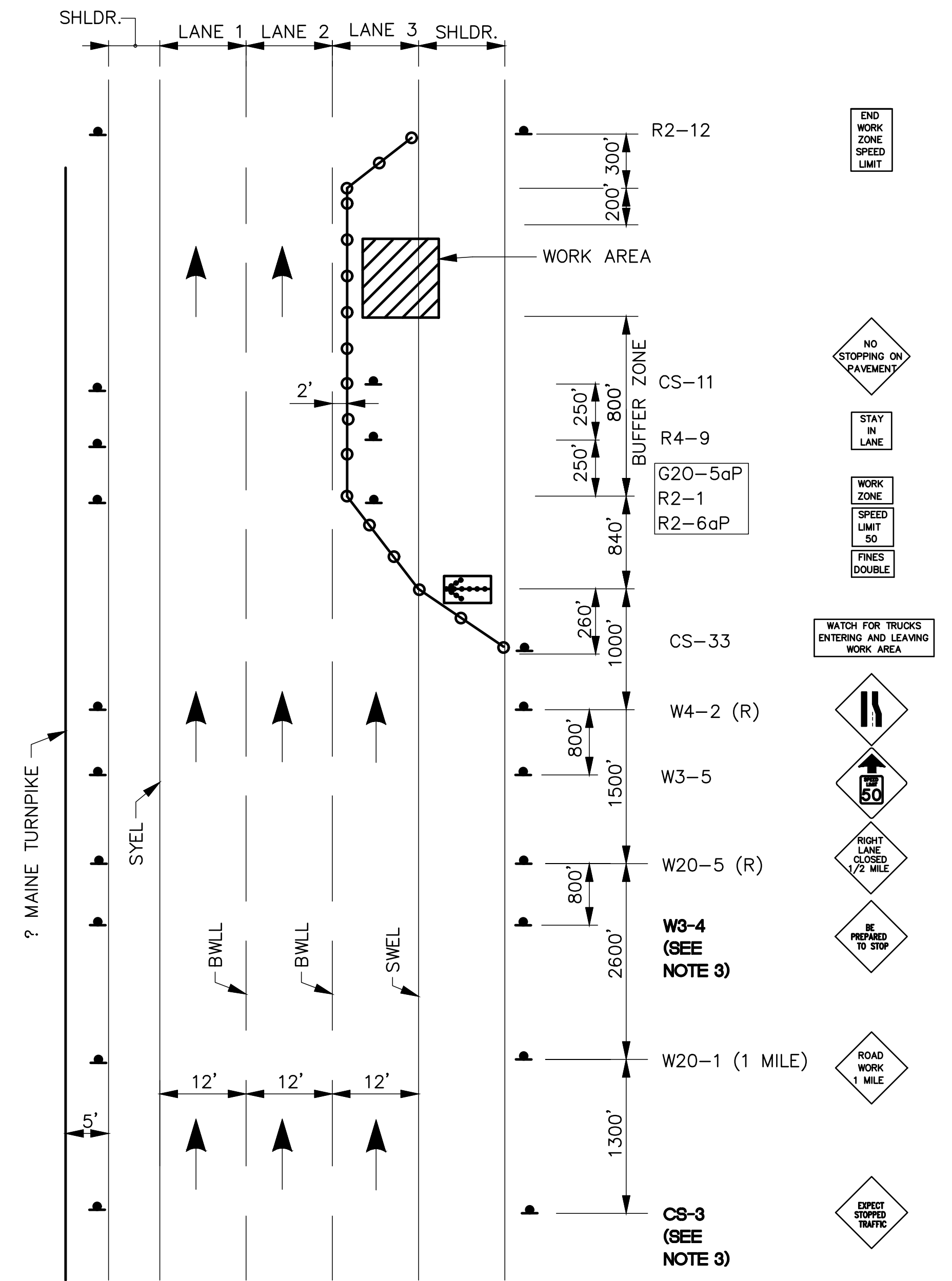
- FOR SIGN DETAILS, SEE SIGN SUMMARY SHEETS.
- ALL SIGNS ARE TO BE MOUNTED ON NCHRP 350 APPROVED POST.
- UNCOVER SIGNS WHEN PAVEMENT IS MILLED OR AS DIRECTED BY THE RESIDENT.



**MAINLINE CLOSURE
DRAINAGE AND PAVEMENT
MARKINGS - LANE 1**

NOTES:

- FOR SIGN DETAILS, SEE SIGN SUMMARY SHEETS.
- ALL SIGNS ARE TO BE MOUNTED ON EASELS.
- SIGNS SHALL BE USED DURING STOPPAGE OF TRAFFIC.



**MAINLINE CLOSURE
DRAINAGE AND PAVEMENT
MARKINGS - LANE 3**

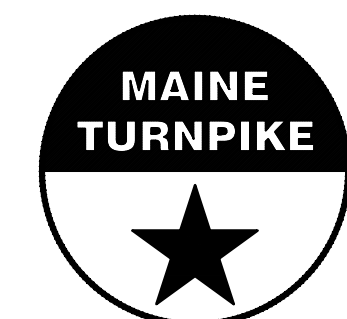
LEGEND

- = FLASHING ARROW BOARD
- = CONSTRUCTION SIGN
- = PORTABLE -CHANGEABLE MESSAGE SIGN
- = DRUMS SPACED AT 80' INTERVALS ON TANGENTS 40' INTERVALS ON TAPERS

Scale: NOT TO SCALE			
No.	Revision	By	Date

Designed by:					
	By	Date		By	Date
	JRN	4/15/2019	Checked	JHM	4/15/2019
	BMB	4/15/2019	In Charge of	SRT	4/15/2019

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**THE GOLD STAR
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: JEFFERY R. NADEAU, P.E.

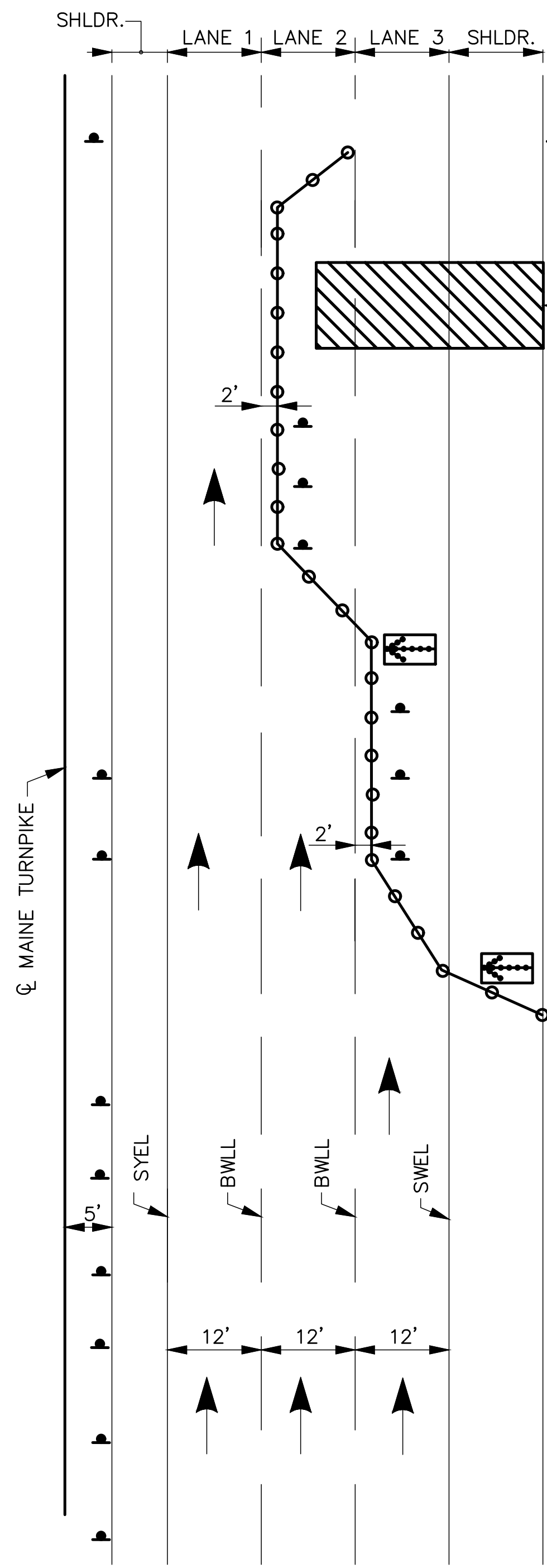
PAVEMENT REHABILITATION

TRAFFIC CONTROL DETAILS 3

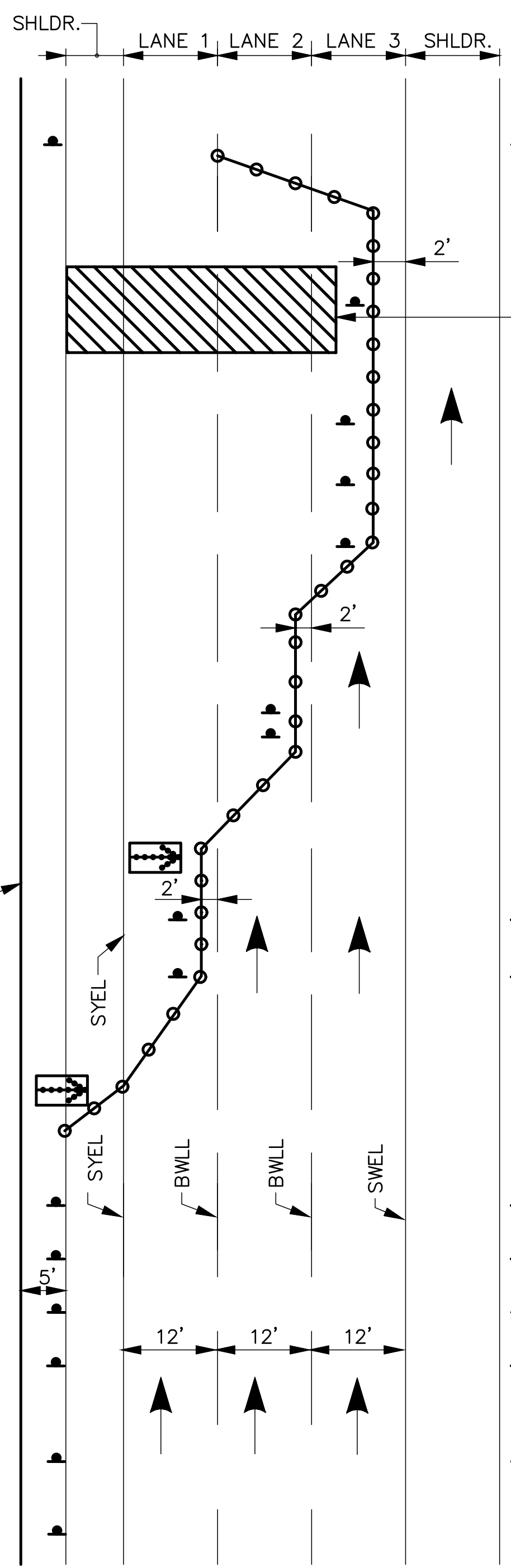
SHEET NUMBER: T-3

CONTRACT: 2019.01

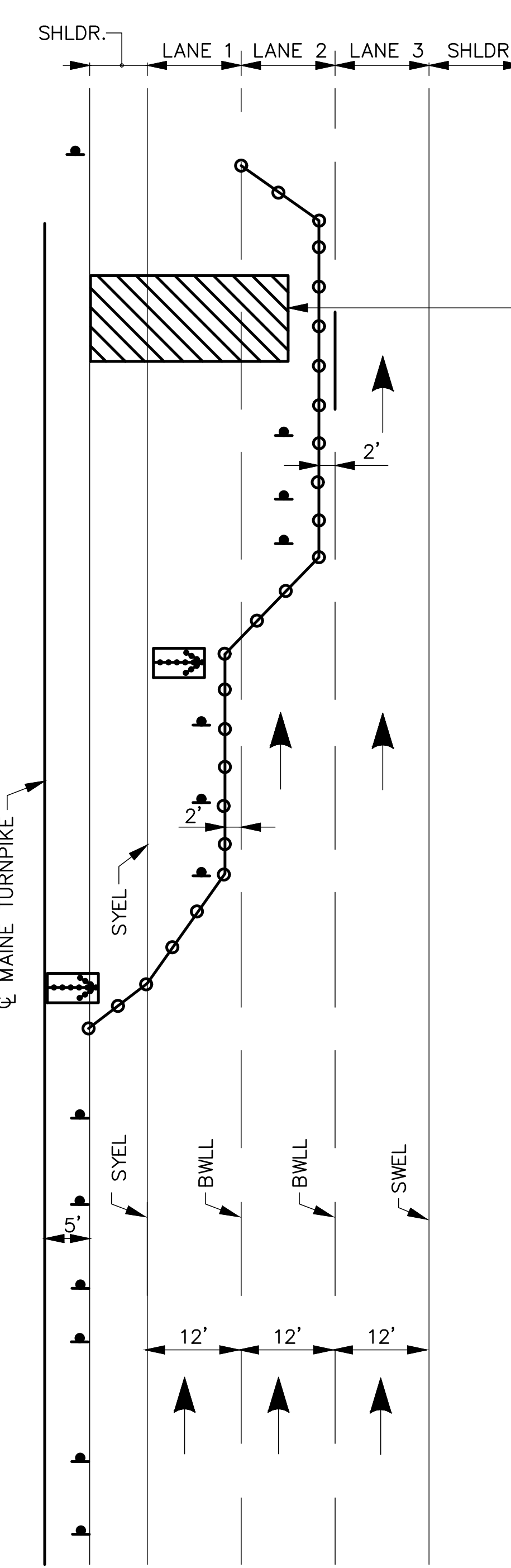
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**MAINLINE CLOSURE
PAVING - LANE 3**



**MAINLINE CLOSURE
PAVING - LANE 2**



**MAINLINE CLOSURE
PAVING - LANE 1**

LEGEND

- = FLASHING ARROW BOARD
- = CONSTRUCTION SIGN
- = PORTABLE - CHANGEABLE MESSAGE SIGN
- = DRUMS SPACED AT 80' INTERVALS ON TANGENTS 40' INTERVALS ON TAPERS

NOTES:

1. FOR SIGN DETAILS, SEE SIGN SUMMARY SHEETS.
2. ALL SIGNS ARE TO BE MOUNTED ON EASELS.
3. SIGNS SHALL BE USED DURING STOPPAGE OF TRAFFIC.

Scale: NOT TO SCALE

No.	Revision	By	Date

Designed by:

	By	JRN	Date	4/15/2019	Checked	JHM	Date	4/15/2019
	Drawn	BMB	Date	4/15/2019	In Charge of	SRT	Date	4/15/2019

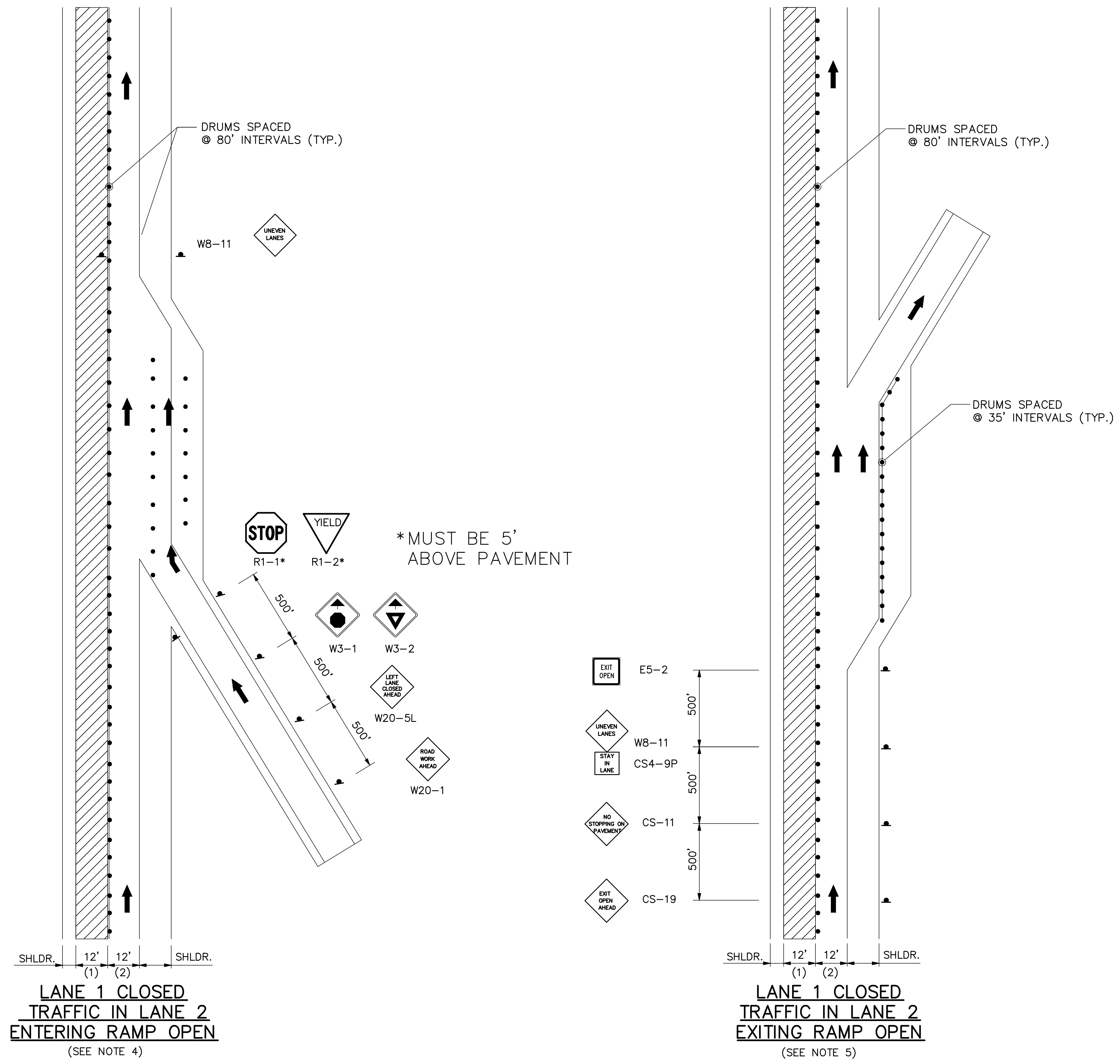
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**THE GOLD STAR
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: JEFFERY R. NADEAU, P.E.

PAVEMENT REHABILITATION
 TRAFFIC CONTROL DETAILS 4

SHEET NUMBER: T-4
 CONTRACT: 2019.01
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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

No.	Revision	By	Date

Designed by:

	By	Date		By	Date
Designed	JRN	4/15/2019	Checked	JHM	4/15/2019
Drawn	BMB	4/15/2019	In Charge of	SRT	4/15/2019

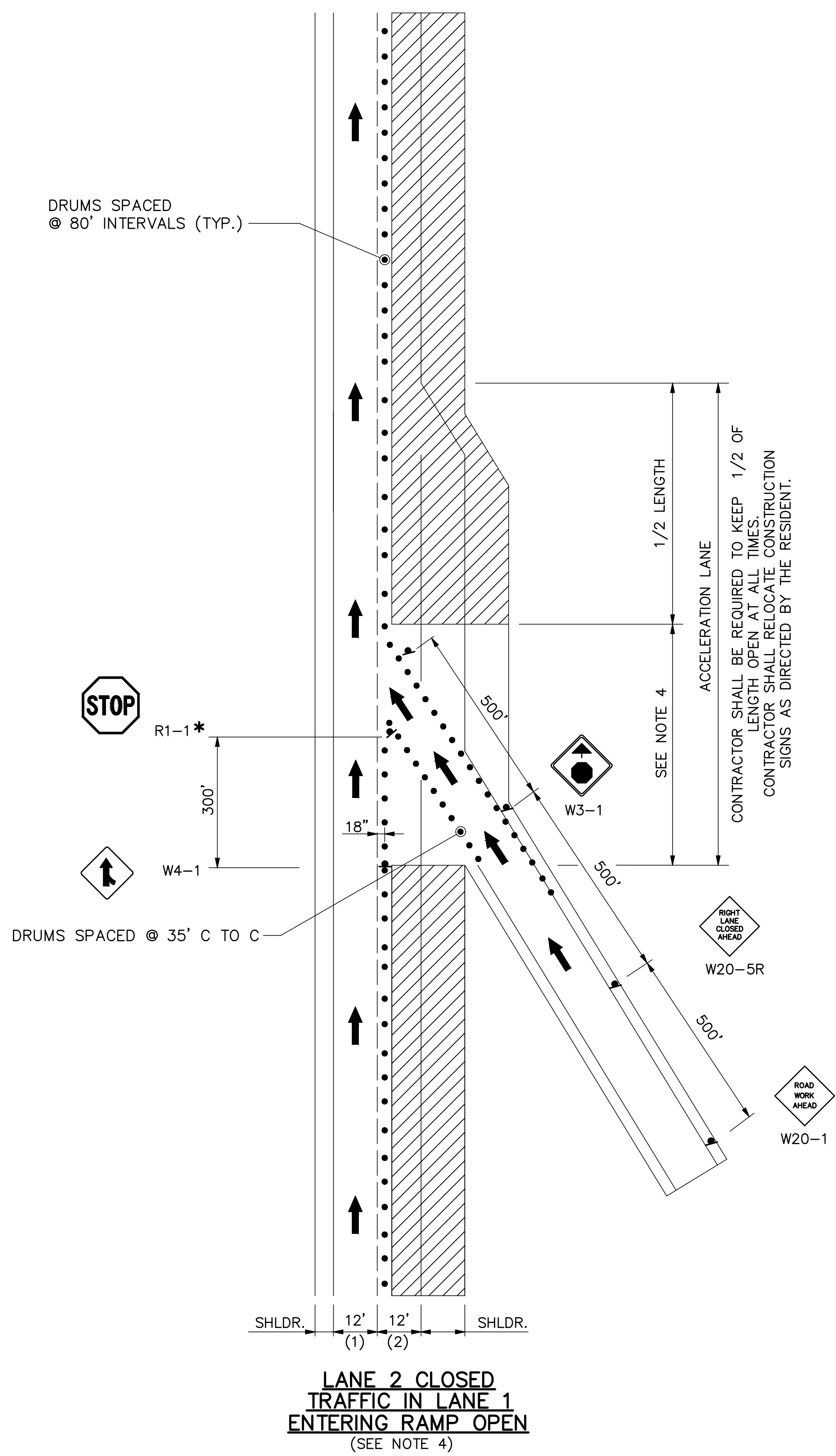
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THE GOLD STAR MEMORIAL HIGHWAY

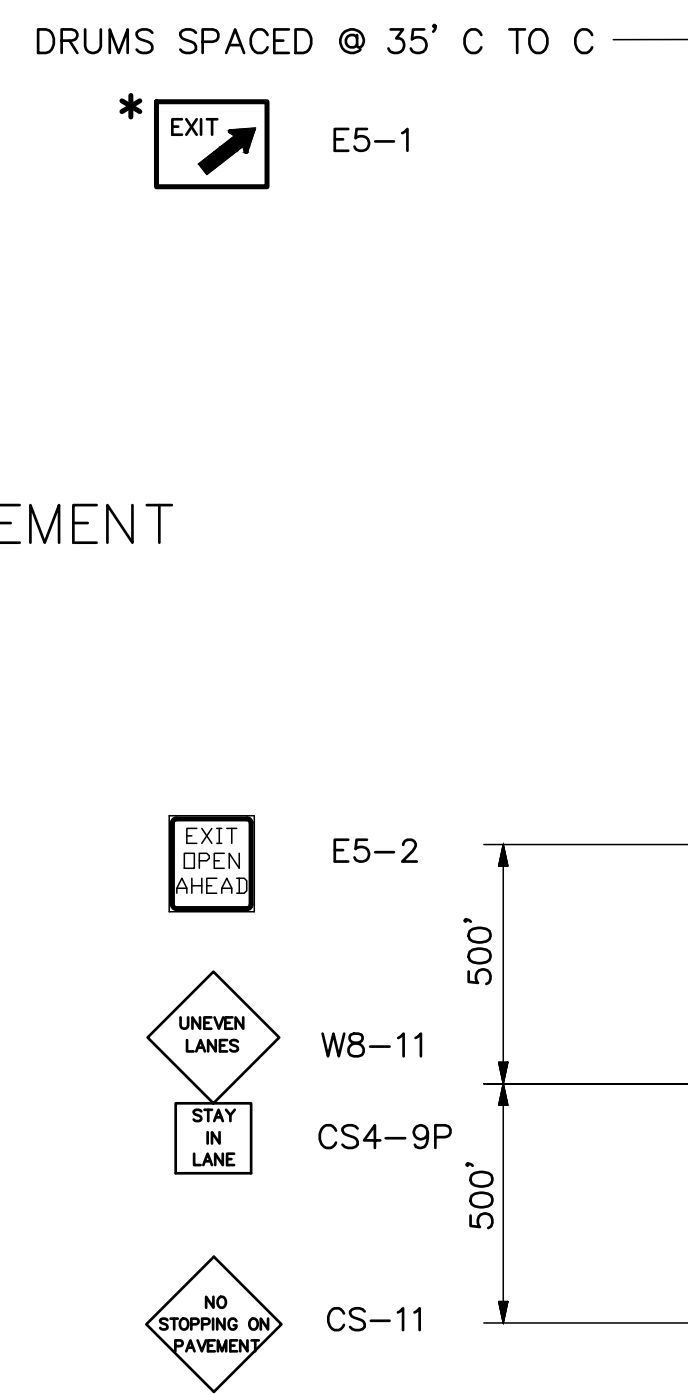
MTA PROJECT MANAGER: JEFFERY R. NADEAU, P.E.

PAVEMENT REHABILITATION
 MAINTENANCE OF TRAFFIC
 TRAFFIC CONTROL DETAILS 5

SHEET NUMBER: T-5
 CONTRACT: 2019.01
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* MUST BE 5' ABOVE PAVEMENT



LEGEND

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

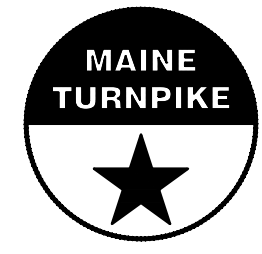
NOTES:

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
Designed	JRN	4/15/2019	Checked	JHM	4/15/2019
Drawn	BMB	4/15/2019	In Charge of	SRT	4/15/2019

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**THE GOLD STAR
 MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: JEFFERY R. NADEAU, P.E.

PAVEMENT REHABILITATION	
TRAFFIC CONTROL DETAILS 6	
SHEET NUMBER: T-6	CONTRACT: 2019.01
13 of 15	

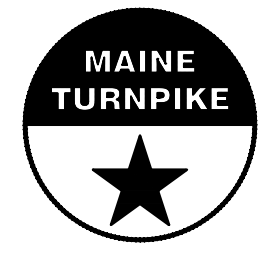
IDENTIFICATION NUMBER	SIZE OF SIGN		TEXT	TEXT DIMENSIONS (INCHES)			NUMBER OF SIGNS REQUIRED	COLOR		BORDER RADIUS	AREA IN SQUARE FEET
	WIDTH	HEIGHT		LETTER HEIGHT	VERTICAL SPACING	ARROW RTE. MKR.		BACK-GROUND	LEGEND BORDER		
G20-1	48"	24"		TEXT DIMENSIONS SHALL CONFORM TO "2004 EDITION - STANDARD HIGHWAY SIGNS - 2012 SUPPLEMENT"			4	COLORS SHALL CONFORM TO "2004 EDITION - STANDARD HIGHWAY SIGNS - 2012 SUPPLEMENT"			8.00 (32)
G20-2	48"	24"					4				8.00 (32)
G20-5aP	48"	24"					4				8.00 (32)
R2-1 (50)	48"	60"					6				20.00 (120)
R2-6aP	48"	24"		6"	4.5"		4				8.00 (32)
R1-1	48"	48"					3	RED	WHITE		16.00 (48)
R1-2	60"	60"					2	WHITE	RED		12.50 (25)
R2-12	36"	54"		6"	4.5"		4				13.50 (54)
E5-1	72"	60"		TEXT DIMENSIONS SHALL CONFORM TO "2004 EDITION - STANDARD HIGHWAY SIGNS - 2012 SUPPLEMENT"			3	GREEN	WHITE		30.00 (90)
CS5-2 (AHEAD)	60"	48"					3	ORANGE	BLACK		20.00 (60)
W1-4L	48"	48"					2				16.00 (32)

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"			2	COLORS SHALL CONFORM TO "2004 EDITION - STANDARD HIGHWAY SIGNS - 2012 SUPPLEMENT"			16.00 (32)
W3-1	48"	48"					3	ORANGE	BLACK		16.00 (48)
W3-2a	48"	48"					3	ORANGE	BLACK		16.00 (48)
W3-4	48"	48"					4				16.00 (64)
W3-5 (50)	48"	48"					4				16.00 (64)
W4-2L	48"	48"					8				16.00 (128)
W4-2R	48"	48"					8				16.00 (128)

Scale: NOT TO SCALE

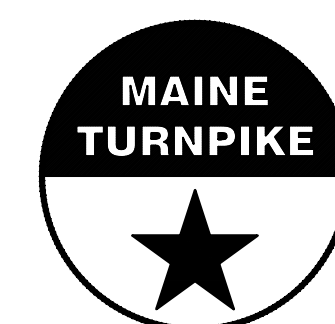
No.	Revision	By	Date

Designed by:



By	Date	By	Date
Designed JRN	4/15/2019	Checked JHM	4/15/2019
Drawn BMB	4/15/2019	In Charge of SRT	4/15/2019

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THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: JEFFERY R. NADEAU, P.E.

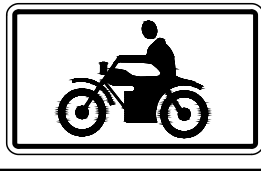
PAVEMENT REHABILITATION




SIGN SUMMARY 1

SHEET NUMBER: T-7

CONTRACT: 2019.01

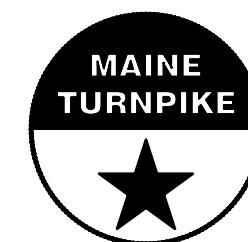
14 of 15

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"			8	COLORS SHALL CONFORM TO "2004 EDITION - STANDARD HIGHWAY SIGNS - 2012 SUPPLEMENT"			16.00 (128)
W8-15P	30"	24"					8				5.00 (140)
W20-1 (1 MILE)	48"	48"	ROAD WORK XXX				4				16.00 (64)
W20-5L (1/2 MILE) (AHEAD)	48"	48"	LEFT LANE CLOSED XXX				4				16.00 (64)
W20-5R (1/2 MILE) (AHEAD)	48"	48"	RIGHT LANE CLOSED XXX				4				16.00 (64)
W21-5aR	48"	48"	RIGHT SHOULDER CLOSED				2				16.00 (32)
W21-5aL	48"	48"	LEFT SHOULDER CLOSED				2				16.00 (32)
W21-5bR (1000 FT)	48"	48"	RIGHT SHOULDER CLOSED 1000 FT				2				16.00 (32)
W21-5bL (1000 FT)	48"	48"	LEFT SHOULDER CLOSED 1000 FT				2				16.00 (32)
W8-9	48"	48"	LOW SHOULDER				8				16.00 (128)

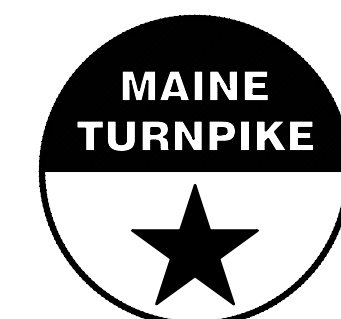
IDENTIFICATION NUMBER	SIZE OF SIGN		TEXT	TEXT DIMENSIONS (INCHES)			NUMBER OF SIGNS REQUIRED	COLOR		BORDER RADIUS	AREA IN SQUARE FEET
	WIDTH	HEIGHT		LETTER HEIGHT	VERTICAL SPACING	ARROW RTE. MKR.		BACK-GROUND	LEGEND BORDER		
CS-3	48"	48"	EXPECT STOPPED TRAFFIC	6" 6" 6"	4" 4"		4	ORANGE	BLACK		16.00 (64)
CS-11	48"	48"	NO STOPPING ON PAVEMENT	6" 6" 6"	4" 4"		1	ORANGE	BLACK		16.00 (16)
CS-33	96"	36"	WATCH FOR TRUCKS ENTERING AND LEAVING WORK AREA	6" 6" 6"	4" 4"		2	ORANGE	BLACK		24.00 (48)
CS-53L	48"	48"		TEXT DIMENSIONS SHALL CONFORM TO "2004 EDITION - STANDARD HIGHWAY SIGNS - 2012 SUPPLEMENT"			6	COLORS SHALL CONFORM TO "2004 EDITION - STANDARD HIGHWAY SIGNS - 2012 SUPPLEMENT"			16.00 (96)
CS-53R	48"	48"					6				16.00 (96)
W4-1	48"	48"					4	ORANGE	BLACK		16.00 (48)
W8-1	48"	48"	BUMP				8				16.00 (128)
W8-11	48"	48"	UNEVEN LANES				4				16.00 (64)

Scale: NOT TO SCALE

Designed by:



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THE GOLD STAR
MEMORIAL HIGHWAY

MTA PROJECT MANAGER: JEFFERY R. NADEAU, P.E.

PAVEMENT REHABILITATION

SIGN SUMMARY 2

SHEET NUMBER: T-8

CONTRACT: 2019.01

15 of 15

No.	Revision	By	Date

	By	Date		By	Date
Designed	JRN	4/15/2019	Checked	JHM	4/15/2019
Drawn	BMB	4/15/2019	In Charge of	SRT	4/15/2019