

Filename: \\00\HIGHWAY\MSTA\001\_Title.dgn Division: HIGHWAY Username: Date: 1/8/2025



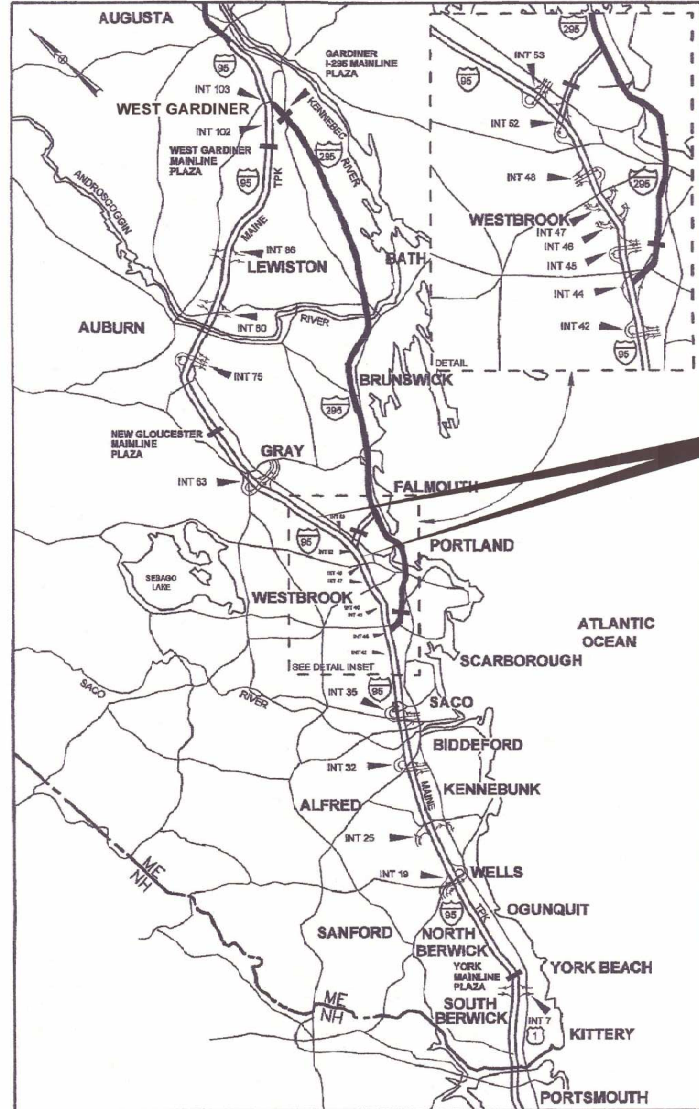
THE GOLD STAR MEMORIAL HIGHWAY

# MAINE TURNPIKE AUTHORITY

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JANE L. LINCOLN, VICE CHAIR  
NINA A. FISHER, MEMBER  
ANDREW MCLEAN, MEMBER  
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BRUCE A. VAN NOTE, EX-OFFICIO MEMBER

PETER MERFELD, INTERIM EXECUTIVE DIRECTOR

## CONTRACT 2025.03 PAVEMENT REHABILITATION AND SAFETY IMPROVEMENTS MM 51.2 TO MM 54.5



CONTRACT 2025.03  
PAVEMENT REHABILITATION  
AND SAFETY IMPROVEMENTS  
MM 51.2 TO MM 54.5

LOCATION MAP

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CONTRACT 2025.03

APPROVED: MAINE TURNPIKE AUTHORITY

PETER S. MERFELD, P.E.  
CHIEF OPERATIONS OFFICER &  
INTERIM EXECUTIVE DIRECTOR

1/8/2025

DATE

KRISTI VAN OYEN, P.E.  
DEPUTY CHIEF ENGINEER / DEPUTY DIRECTOR OF ENGINEERING

1/8/2025

DATE

# TYLin



SHAWN R. DAVIS, P.E.  
PROJECT MANAGER

1/8/2025

DATE

Date: 1/6/2025

ESTIMATED QUANTITIES			
ITEM NO.	ITEM	UNIT	TOTAL QUANTITY
202.202	REMOVING PAVEMENT SURFACE	SY	160200
202.205	RUMBLE STRIPS	EA	51800
211.50	MEDIAN RESTORATION	LF	15300
401.03	BALANCED MIX DESIGN DATA COLLECTION	LS	1
403.2081	HOT MIX ASPHALT - 12.5 MM (POLYMER MODIFIED)	T	15500
409.152	BITUMINOUS TACK COAT TRACKLESS, APPLIED	G	9700
419.30	SAW CUTTING BITUMINOUS PAVEMENT	LF	1000
424.3231	ASPHALT RUBBER MASTIC CRACK SEALER	LB	11100
424.324	ASPHALT RUBBER MASTIC CRACK SEALER WITH AGGREGATE	LB	2800
427.09	CRACK REPAIR	LF	15000
459.06	BITUMINOUS CONCRETE WATERWAY, TYPE I	EA	18
470.08	BERM DROP OFF CORRECTION - GRINDINGS	LF	17100
470.081	BERM CORRECTION	LF	2190
502.248	UNDERWATER GROUT BAGS	CY	4
603.155	12 IN REINFORCED CONCRETE PIPE CLASS III	LF	32
603.225	42 IN REINFORCED CONCRETE PIPE CLASS III	LF	16
603.235	48 IN REINFORCED CONCRETE PIPE CLASS III	LF	32
603.28	CONCRETE COLLAR	EA	3
604.182	CLEAN EXISTING CATCH BASIN AND MANHOLE	EA	32
604.184	REBUILD CATCH BASIN TO GRADE, TYPE II	EA	8
604.186	REBUILD CATCH BASIN TO GRADE, TYPE IV	EA	9
606.1351	3"W-BEAM GUARDRAIL - MID-WAY SPLICE TERMINAL END - ANCHORED END	EA	1
606.178	GUARDRAIL BEAM	LF	1100
606.265	TERMINAL END-SINGLE RAIL - GALVANIZED STEEL	EA	5
606.352	REFLECTORIZED BEAM GUARDRAIL DELINEATORS	EA	510
606.3621	GUARDRAIL ADJUST, SINGLE RAIL	LF	2300
606.3622	GUARDRAIL ADJUST, DOUBLE RAIL	LF	2600
606.47	SINGLE WOOD POST	EA	7
606.471	SINGLE OFFSET BLOCK - W-BEAM	EA	180
610.08	PLAIN RIPRAP	CY	120
613.319	EROSION CONTROL BLANKET	SY	14300
618.14	SEEDING METHOD NUMBER 2	UN	300
619.12	MULCH	UN	300
620.58	EROSION CONTROL GEOTEXTILE	SY	220
627.73	TEMPORARY PAVEMENT MARKING TAPE	LF	5150
627.78	TEMPORARY PAVEMENT MARKING LINE, WHITE OR YELLOW	LF	104600
627.812	TEMPORARY RAISED PAVEMENT MARKERS	EA	7000
627.94	PAVEMENT MARKING TAPE	LF	1350
627.941	PAVEMENT MARKING TAPE DOTTED WHITE LINE 6-INCH WIDTH	LF	3200
629.05	HAND LABOR, STRAIGHT TIME	HR	80
631.12	ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	HR	40
631.172	TRUCK - LARGE (INCLUDING OPERATOR)	HR	80
631.32	CULVERT CLEANER (INCLUDING OPERATOR)	HR	10
631.36	FOREMAN	HR	80
652.30	FLASHING ARROW BOARD	EA	4
652.35	CONSTRUCTION SIGNS	SF	3050
652.361	MAINTENANCE OF TRAFFIC CONTROL DEVICES	LS	1
652.410	PORTABLE - CHANGEABLE MESSAGE SIGN	EA	4
652.4502	TRUCK MOUNTED ATTENUATOR	EA	2
652.4503	TRUCK MOUNTED ATTENUATOR	WK	4
656.50	BALED HAY, IN-PLACE	EA	40
659.10	MOBILIZATION	LS	1

**CONSTRUCTION NOTES:**

**470.08 BERM DROPOFF CORRECTION - GRINDINGS**

STATION	LOCATION	QUANTITY
2561+00.00	MEDIAN	2
2573+45.00	MEDIAN	2
2606+00.00	MEDIAN	2
2617+00.00	MEDIAN	2
2621+90.00	MEDIAN	2
2630+00.00	MEDIAN	2
2633+50.00	MEDIAN	2
2660+00.00	MEDIAN	2
2712+40.00	MEDIAN	2

**470.08 BERM DROPOFF CORRECTION - GRINDINGS**

STATION	STATION	DIRECTION	LENGTH (FT)
2720+10.00	2722+00.00	SB	190
2700+50.00	2712+90.00	SB	1240
2693+21.00	2699+76.00	SB	655
2686+66.00	2690+07.00	SB	341
2682+48.00	2686+66.00	SB	418
2671+60.00	2678+46.00	SB	686
2656+25.00	2665+60.00	SB	935
2653+60.00	2656+03.00	SB	243
2649+98.00	2651+24.00	SB	126
2645+38.00	2646+95.00	SB	157
2630+00.00	2641+80.00	SB	1180
2623+75.00	2626+05.00	SB	230
2620+82.00	2623+23.00	SB	241
2615+70.00	2619+18.00	SB	348
2603+00.00	2608+73.00	SB	573
2593+08.00	2602+50.00	SB	942
2570+15.00	2581+95.00	SB	1180
2563+05.00	2565+75.00	SB	270
2556+40.00	2556+98.00	SB	58
2557+10.00	2559+73.00	NB	458
2564+26.00	2568+25.00	NB	453
2569+50.00	2575+75.00	NB	625
2592+27.00	2598+30.00	NB	603
2609+49.00	2611+00.00	NB	151
2624+75.00	2628+64.00	NB	389
2652+90.00	2654+39.00	NB	149
2706+50.00	2719+77.00	NB	1327

**470.081 BERM CORRECTION**

STATION	STATION	DIRECTION	LENGTH (FT)
2699+76.00	2700+22.00	SB	46
2651+24.00	2653+60.00	SB	236
2556+98.00	2560+70.00	SB	372

2552+52.00	2557+10.00	NB	458
2559+73.00	2564+26.00	NB	453
2587+40.00	2592+27.00	NB	487
2598+30.00	2599+60.00	NB	130

**603.155 12 INCH REINFORCED CONCRETE PIPE CLASS III**

STATION	SIDE	LENGTH (FT)
2622+00.00	NB	16
2646+00.00	NB	16

**603.225 42 INCH REINFORCED CONCRETE PIPE CLASS III**

STATION	SIDE	LENGTH (FT)
2577+50.00	NB	16

**603.225 48 INCH REINFORCED CONCRETE PIPE CLASS III**

STATION	SIDE	LENGTH (FT)
2717+45.00	NB	16
2717+45.00	SB	16

**604.182 CLEAN EXISTING CB AND MANHOLE**

STATION	LOCATION	QUANTITY
2561+00.00	MEDIAN	1
2566+50.00	MEDIAN	1
2573+45.00	MEDIAN	1
2577+00.00	NB	1
2587+50.00	NB, SB, MEDIAN	5
2598+00.00	SB	1
2606+00.00	MEDIAN	1
2617+00.00	MEDIAN	1
2621+90.00	MEDIAN	1
2630+00.00	MEDIAN	1
2633+50.00	MEDIAN	1
2638+00.00	NB	1
2646+00.00	NB	1
2660+00.00	MEDIAN	1
2666+00.00	MEDIAN	1
2673+00.00	NB	1
2679+90.00	NB	1
2687+90.00	NB	1
2694+90.00	NB	1
2700+90.00	NB	1
2705+30.00	NB, SB, MEDIAN	5
2712+40.00	MEDIAN	1
2718+90.00	MEDIAN	1
2725+40.00	NB	1

**604.184 REBUILDING CATCH BASIN - TYPE II**

STATION	LOCATION	QUANTITY
2587+50.00	NB, SB	4
2705+30.00	NB, SB	4

**604.186 REBUILDING CATCH BASIN - TYPE IV**

STATION	LOCATION	QUANTITY
2561+00.00	MEDIAN	1
2573+45.00	MEDIAN	1
2606+00.00	MEDIAN	1
2617+00.00	MEDIAN	1
2621+90.00	MEDIAN	1
2630+00.00	MEDIAN	1
2633+50.00	MEDIAN	1
2660+00.00	MEDIAN	1
2712+40.00	MEDIAN	1

**GENERAL NOTES:**

- ALL WORK SHALL CONFORM TO THE 2014 MAINE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGES, EXCEPT AS MODIFIED BY THE MAINE TURNPIKE AUTHORITY'S SUPPLEMENTAL SPECIFICATIONS AND SPECIAL PROVISIONS.
- EXISTING UTILITIES ON THESE PLANS WERE COMPILED FROM EXISTING PLANS AND VARIOUS OTHER SOURCES. LOCATIONS ARE NOT GUARANTEED TO BE ACCURATE NOR IS IT GUARANTEED THAT ALL UTILITIES ARE SHOWN. NO SEPARATE OR ADDITIONAL COMPENSATION WILL BE ALLOWED TO THE CONTRACTOR DUE TO ANY VARIANCE BETWEEN THE DATA SHOWN ON THE PLANS AND THE ACTUAL FIELD CONDITIONS ENCOUNTERED. NOT WORK SHALL BE STARTED UNTIL THE OWNERS OF THE VARIOUS UTILITIES ARE NOTIFIED BY THE CONTRACTOR OF THE PROPOSED CONSTRUCTION. THE CONTRACTOR IS ALSO REQUIRED TO CALL DIG SAFE AT 1-888-344-7233 AT LEAST 72 HOURS PRIOR TO THE START OF THE WORK.
- THE CONTRACTOR SHALL NOTIFY ALL NON-MEMBERS THROUGH WWW.OKtoDIG.COM OR AS OTHERWISE REQUIRED BY THE MAINE PUBLIC UTILITIES COMMISSION. ALL PROPOSED SIGN LOCATIONS AND EXCAVATION LOCATIONS SHALL BE MARKED AT THE NOTIFICATION TIME. 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 LOCATER COORDINATION.
- THE CONTRACTOR SHALL NOTIFY THE RESIDENT 10 CALENDAR DAYS PRIOR TO SUBMITTING A UTILITY LOCATE REQUEST THROUGH DIG SAFE SO THAT THE RESIDENT CAN ARRANGE FOR MAINE TURNPIKE UNDERGROUND UTILITY LOCATION. ALL PROPOSED SIGN LOCATIONS AND EXCAVATION LOCATIONS SHALL BE MARKED AT THE NOTIFICATION TIME.
- FOLLOWING THE COMPLETION OF THE INITIAL UTILITY LOCATE THE CONTRACTOR WILL GPS LOCATE ALL UTILITIES WITHIN THE PROJECT LIMITS AND PROVIDE A COPY OF THE DIG SAFE RECORDS TO THE AUTHORITY. THE CONTRACTOR, ACTING AS THE AUTHORITY'S THIRD PARTY LOCATOR SHALL BE RESPONSIBLE FOR REMARKING ALL MAINE TURNPIKE FACILITIES WHEN A DIG SAFE UTILITY LOCATE IS CALLED FOR IN THE PROJECT. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- 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).
- ALL STANDARD DETAILS SHALL BE IN CONFORMANCE WITH MAINE DEPARTMENT OF TRANSPORTATION (MAINE DOT) STANDARD DETAILS HIGHWAY AND BRIDGES 2020 LATEST REVISIONS AND MAINE DOT BEST MANAGEMENT PRACTICES FOR EROSION AND SEDIMENT CONTROL LATEST REVISION UNLESS OTHERWISE INCLUDED IN THESE PLANS.
- COMMON BORROW SHALL BE COMPACTED TO 90% OF ITS MAXIMUM DRY DENSITY AS DETERMINED BY THE MODIFIED PROCTOR. GRANULAR BORROW AND AGGREGATE SHALL BE COMPACTED TO 95% OF THEIR MAXIMUM DRY DENSITY AS DETERMINED BY THE MODIFIED PROCTOR.
- ALL STATIONS ARE APPROXIMATE. LOCATIONS TO BE FINALIZED IN FIELD BY RESIDENT.

**606.265 - TERMINAL END SINGLE RAIL - GALVANIZED STEEL**

STATION	SIDE	QUANTITY
2573+03.00	SB OUTSIDE	1
2623+25.00	SB	1
2635+00.00	NB	1
2664+75.00	NB	1
2700+00.00	SB	1

**606.1351 TERMINAL END - ANCHORED END - 3" W-BEAM GUARDRAIL**

STATION	DIRECTION	LENGTH (FT)
2711+90	NB	
2555+18	2557+06	NB 187.5
2560+75	2562+00	NB 125
EXIT 52 NB ON RAMP		NB 25
2609+85	2610+23	NB 37.5
2740+80	2741+30	NB 50
2700+22	2700+72	SB 50
2693+36	2693+49	SB 12.5
2578+20	2576+00	SB 225
2576+00	2573+03	SB 300

**NOTES:**

- TERMINAL END - ANCHORED END TO BE REPLACED IN MEDIAN UNDER BRIDGE SECTIONS.
- LOCATIONS TO BE ADJUSTED OR FINALIZED IN FIELD BY RESIDENT.

**DRAINAGE NOTES:**

- NO EXISTING DRAINAGE SHALL BE ABANDONED, REMOVED OR PLUGGED WITHOUT APPROVAL OF THE RESIDENT.
- SEDIMENTATION IN DITCHES ALONG THE OUTSIDE SOUTHBOUND SHOULDER BETWEEN MILE MARKER 54 AND MILE MARKER 53 SHALL BE REMOVED AT THE RESIDENT'S DIRECTION USING HOURLY RENTAL ITEMS.

**EROSION CONTROL:**


- 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.
- ALL TEMPORARY EROSION CONTROL DEVICES SHALL BE INSTALLED IN ACCORDANCE WITH THE MAINE DEPARTMENT OF TRANSPORTATION BEST MANAGEMENT PRACTICES.

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No.	Revision	By	Date


Designed by:



CONSULTANT PROJECT MANAGER: Shawn R. Davis

By	Date	By	Date
Designed	MJD 8/2024	Checked	JOF 10/2024
Drawn	MJD 8/2024	In Charge of	DWB 12/2024

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**THE GOLD STAR MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: Kristi Van Ooven, P.E.

**PAVEMENT REHABILITATION AND SAFETY IMPROVEMENTS**

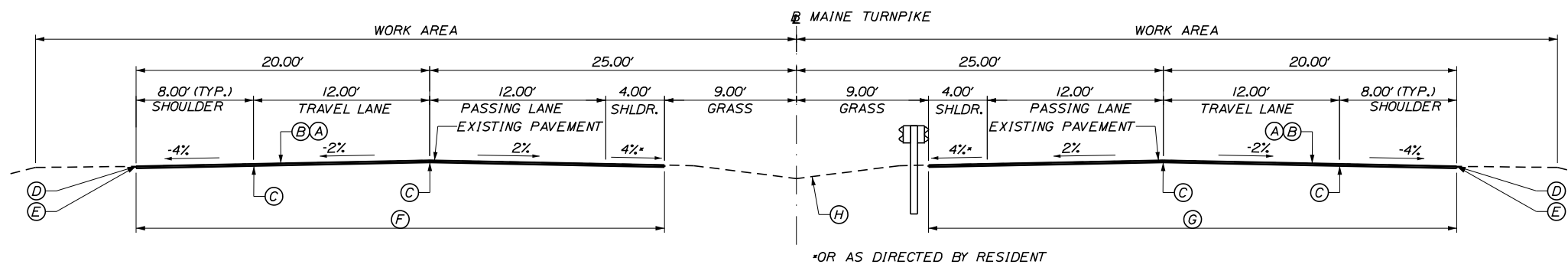
ESTIMATED QUANTITIES & GENERAL NOTES

SHEET NUMBER: C-1

CONTRACT: 2025.03

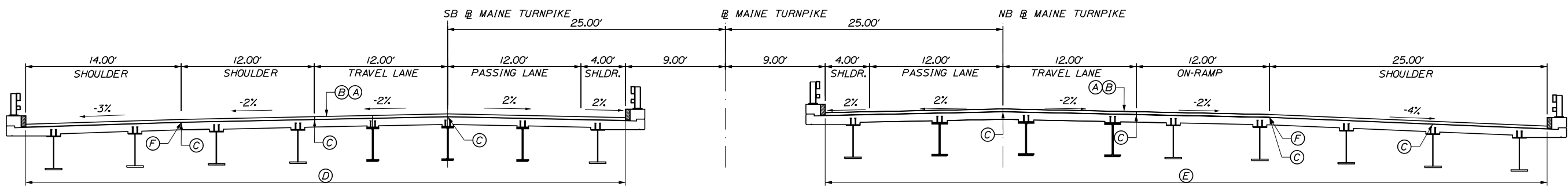
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Date: 1/6/2025

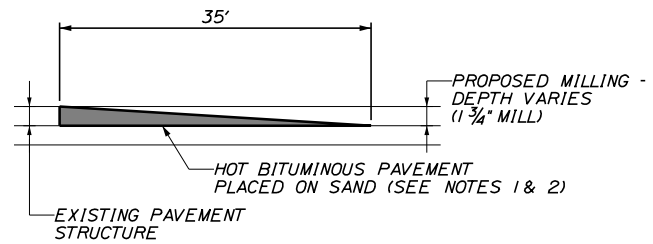


**ROADWAY PAVEMENT MILL & FILL**  
NOT TO SCALE

- PAVEMENT LEGEND:**
- (A) = 1 3/4" HOT MIX ASPHALT 12.5 mm NOMINAL MAXIMUM SIZE (POLYMER MODIFIED).
  - (B) = MILLING DEPTH VARIES TO ACHIEVE A 1 3/4" DEPTH AT THE EDGES OF LANE BEING MILLED.
  - (C) = DOUBLE LAYER OF TACK ON NOTCHED WEDGE.
  - (D) = BERM DROPOFF CORRECTION - GRINDINGS (SEE DETAIL A, SHEET P-6).
  - (E) = BERM DROPOFF CORRECTION - GRINDINGS (SEE DETAIL B, SHEET P-6).
  - (F) = LIMITS OF MILL AND FILL (36'-0").
  - (G) = WHEN MEDIAN GUARDRAIL IS ADJACENT TO THE SHOULDER, MILL TO FACE OF RAIL, OR EDGE OF PAVEMENT, WHICHEVER IS THE LESSER OFFSET.
  - (H) = MEDIAN RESTORATION/REHABILITATION (SEE DETAIL, SHEET P-7).



**PRESUMPSCOT BRIDGE PAVEMENT MILL & FILL**  
NOT TO SCALE



**TEMPORARY BITUMINOUS RAMP**  
NOT TO SCALE

- NOTES:**
1. HOT MIX ASPHALT FOR TEMPORARY RAMPS WILL NOT BE MEASURED FOR PAYMENT, BUT SHALL BE INCIDENTAL TO ITEM 403.2081.
  2. REMOVAL OF TEMP. BITUMINOUS RAMPS WILL NOT BE MEASURED FOR PAYMENT, BUT SHALL BE INCIDENTAL TO ITEM 403.2081.

- BRIDGE PAVEMENT LEGEND:**
- (A) = 1 1/2" HOT MIX ASPHALT 12.5 mm NOMINAL MAXIMUM SIZE (POLYMER MODIFIED).
  - (B) = MILLING DEPTH VARIES TO ACHIEVE A 1 1/2" DEPTH AT THE EDGES OF LANE BEING MILLED.
  - (C) = DOUBLE LAYER OF TACK ON NOTCHED WEDGE.
  - (D) = LIMITS OF MILL AND FILL (54'-0").
  - (E) = LIMITS OF MILL AND FILL (65'-0").
  - (F) = 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 EXCEPT WHERE THE NOTCHED WEDGE IS USED. INCIDENTAL TO ITEM 403.2081.

- NOTES:**
1. BITUMINOUS TACK COAT IS REQUIRED BETWEEN ALL LIFTS OF PAVEMENT. BITUMINOUS TACK COAT IS REQUIRED ON ALL EXISTING PAVED OR MILLED SURFACES PRIOR TO PLACING PROPOSED PAVEMENT.
  2. CROWNS FOR ALL COURSES OF PAVEMENT SHALL BE STRAIGHT.
  3. PAVEMENT DEPTHS AS SHOWN ON THE PLAN ARE INTENDED TO BE NOMINAL.
  4. MILLED SURFACES SHALL BE CRACK SEALED PRIOR TO FILLING/OVERLAY USING THE MATERIALS DIRECTED BY THE RESIDENT. PAYMENT FOR CRACK SEALING SHALL BE MADE UNDER ITEM 424.3231 OR 424.324.
  5. EXISTING PAVEMENT SURFACE TO BE OVERLAID SHALL BE CRACK SEALED PRIOR TO OVERLAY USING MATERIALS DIRECTED BY THE RESIDENT. PAYMENT FOR CRACK SEALING SHALL BE MADE UNDER ITEM 424.3231 OR 424.324.
  6. LONGITUDINAL JOINTS SHALL BE CONSTRUCTED AS THE "NOTCHES WEDGE" TYPE.
  7. 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 EXCEPT WHERE THE NOTCHED WEDGE IS USED. INCIDENTAL TO ITEM 403.2081.
  8. SHOULDERS SHALL BE PAVED IN CONJUNCTION WITH ADJACENT TRAVEL LANE.

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Scale: NOT TO SCALE

No.	Revision	By	Date

Designed by:

**TYLin**

CONSULTANT PROJECT MANAGER: Shawn R. Davis

By	Date	By	Date
Designed DWB	7/2024	Checked JOF	10/2024
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**THE GOLD STAR MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: Kristi Van Ooven, P.E.

**PAVEMENT REHABILITATION AND SAFETY IMPROVEMENTS**

TYPICAL SECTIONS

SHEET NUMBER: P-1

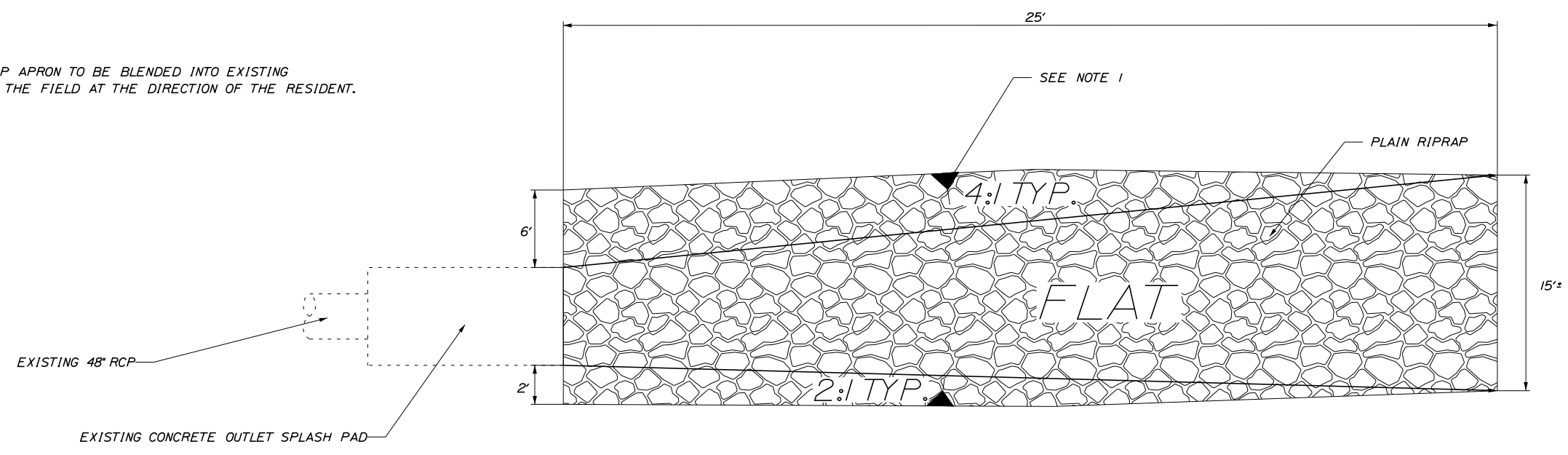
CONTRACT: 2025.03

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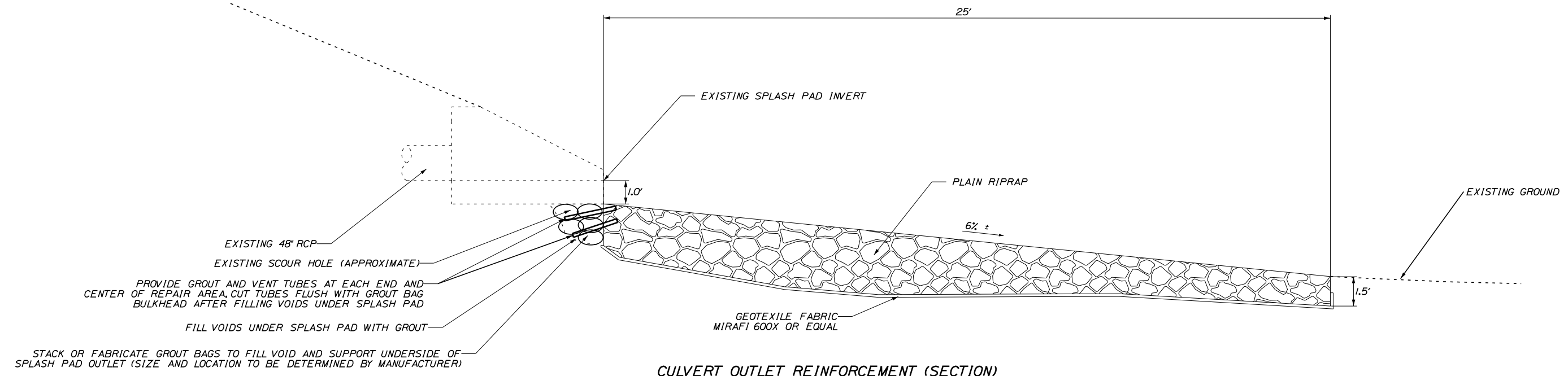
Date: 1/6/2025

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NOTES:  
 1. SIDE SLOPES OF RIPRAP APRON TO BE BLENDED INTO EXISTING TOP OF STREAM BANK IN THE FIELD AT THE DIRECTION OF THE RESIDENT.



**CULVERT OUTLET REINFORCEMENT (PLAN)**  
 NOT TO SCALE



**CULVERT OUTLET REINFORCEMENT (SECTION)**  
 NOT TO SCALE

Scale: NOT TO SCALE

No.	Revision	By	Date

Designed by:

**TYLin**

CONSULTANT PROJECT MANAGER: Shawn R. Davis

	By	Date		By	Date
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**MAINE TURNPIKE**

**THE GOLD STAR MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: Kristi Van Ooven, P.E.

PAVEMENT REHABILITATION AND SAFETY IMPROVEMENTS

SPECIAL DETAILS - OUTLET REINFORCEMENT  
 ~STA 2717+45, MM 54.4 NB

CONTRACT: 2025.03

SHEET NUMBER: P-2

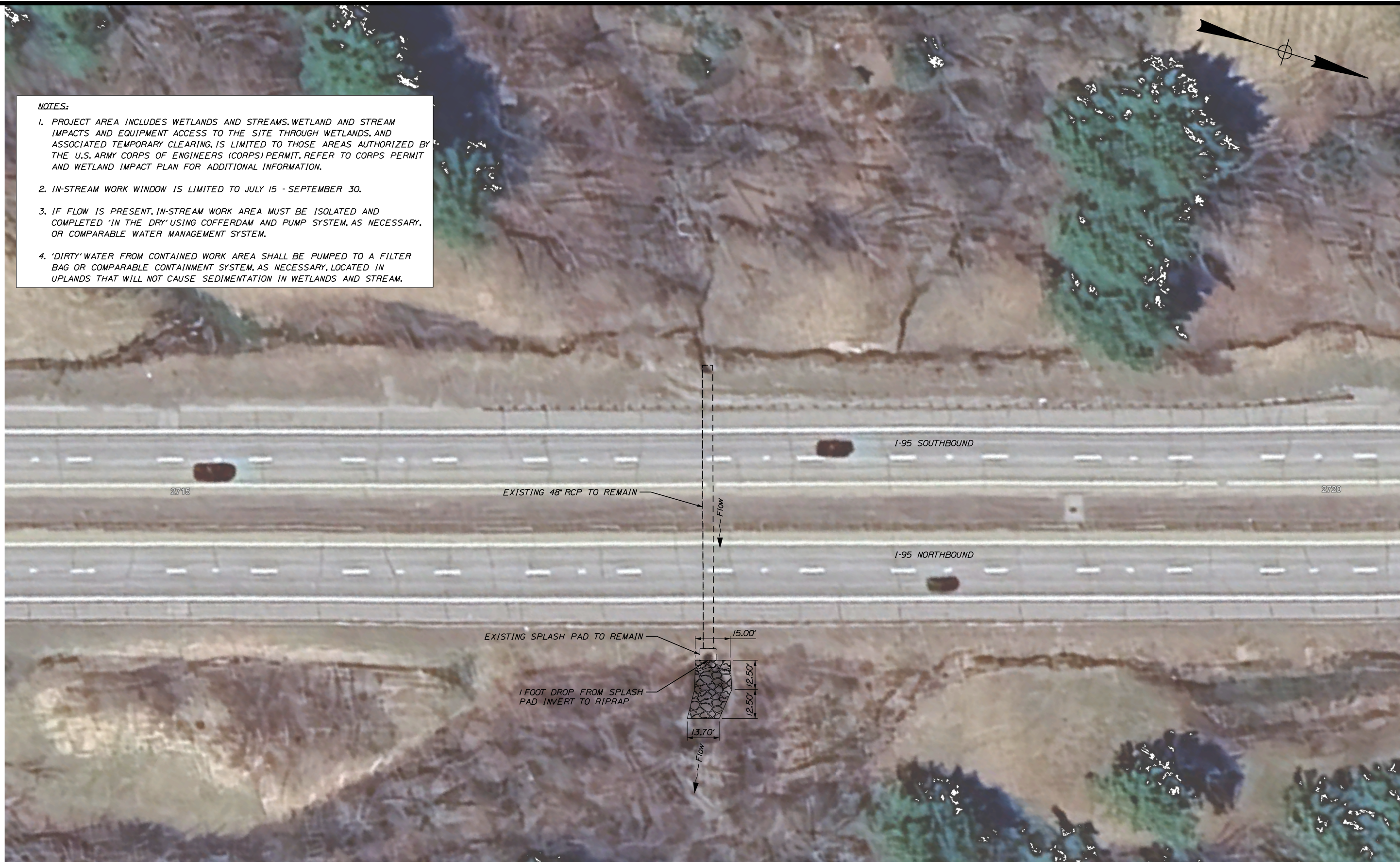
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Date: 1/16/2025

Filename: ... \020\_Culvert\_Splash\_Pad\_Plan.dgn

**NOTES:**

- PROJECT AREA INCLUDES WETLANDS AND STREAMS. WETLAND AND STREAM IMPACTS AND EQUIPMENT ACCESS TO THE SITE THROUGH WETLANDS, AND ASSOCIATED TEMPORARY CLEARING, IS LIMITED TO THOSE AREAS AUTHORIZED BY THE U.S. ARMY CORPS OF ENGINEERS (CORPS) PERMIT. REFER TO CORPS PERMIT AND WETLAND IMPACT PLAN FOR ADDITIONAL INFORMATION.
- IN-STREAM WORK WINDOW IS LIMITED TO JULY 15 - SEPTEMBER 30.
- IF FLOW IS PRESENT, IN-STREAM WORK AREA MUST BE ISOLATED AND COMPLETED 'IN THE DRY' USING COFFERDAM AND PUMP SYSTEM, AS NECESSARY, OR COMPARABLE WATER MANAGEMENT SYSTEM.
- 'DIRTY' WATER FROM CONTAINED WORK AREA SHALL BE PUMPED TO A FILTER BAG OR COMPARABLE CONTAINMENT SYSTEM, AS NECESSARY, LOCATED IN UPLANDS THAT WILL NOT CAUSE SEDIMENTATION IN WETLANDS AND STREAM.



Scale: 20 0 20 40

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CONSULTANT PROJECT MANAGER: Shawn R. Davis

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Designed	SRD	11/2024	Checked	DWB	12/2024
Drawn	NJB	11/2024	In Charge of	DWB	12/2024

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**MAINE TURNPIKE**

**THE GOLD STAR MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: Kristi Van Ooven, P.E.

**PAVEMENT REHABILITATION AND SAFETY IMPROVEMENTS**

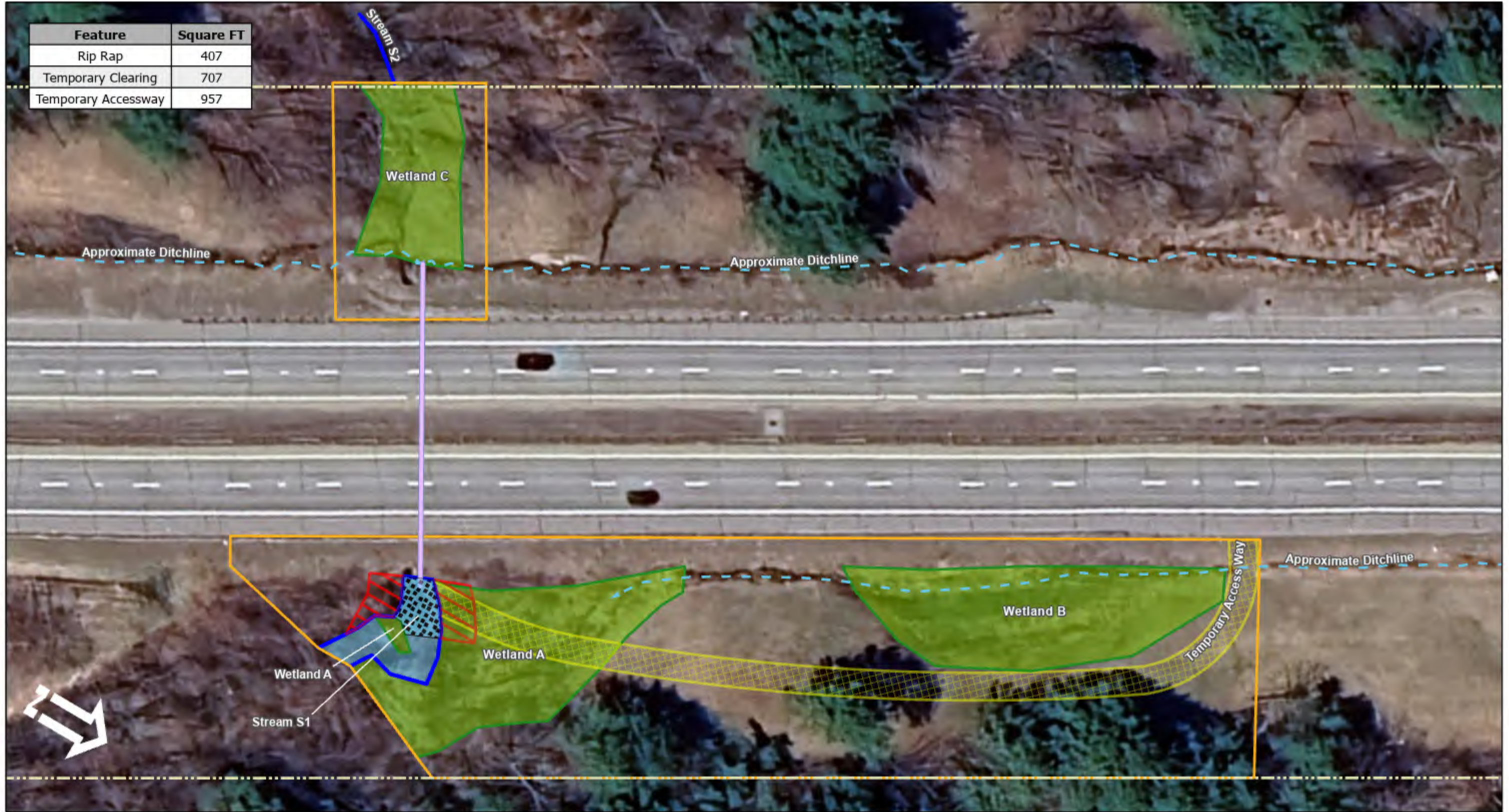
PLAN VIEW - OUTLET REINFORCEMENT  
 ~STA 2717+45, MM 54.4 NB

SHEET NUMBER: P-3

CONTRACT: 2025.03

5 OF 25

Feature	Square FT
Rip Rap	407
Temporary Clearing	707
Temporary Accessway	957



- MTA Right-of-Way
- Approximate Ditch Line
- Delineated Stream Centerline / Streambank
- Delineated Wetland Boundary
- Limit Of Wetland/Stream Surveys
- Culvert
- Delineated Stream
- Delineated Wetland
- Temporary Access Way
- Rip Rap
- Temporary Clearing



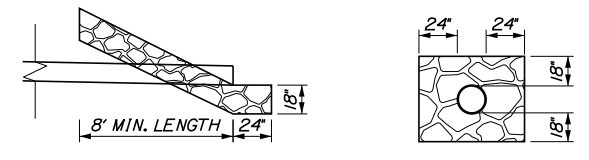
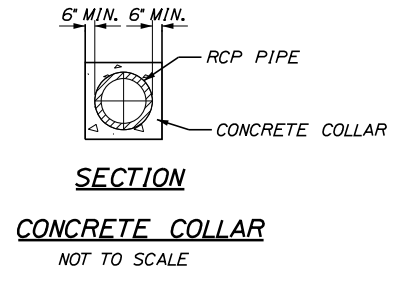
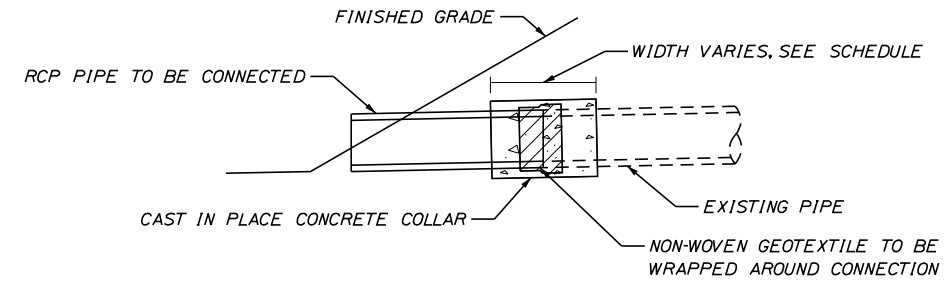
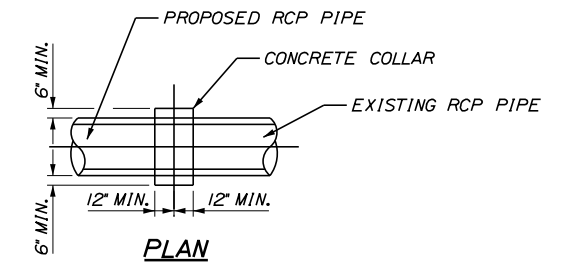
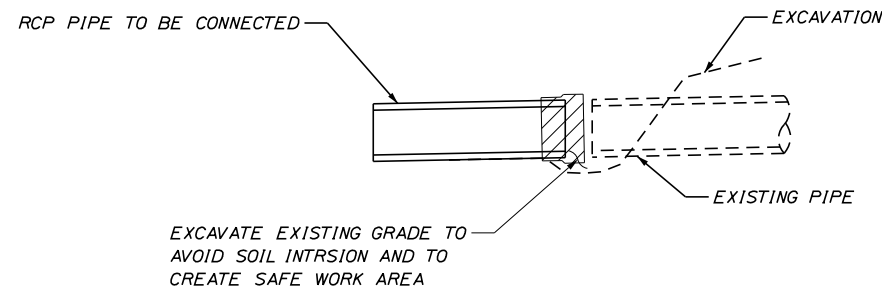
### Mile 54.4 Culvert Outlet Scour Repair Project

Maine Turnpike Authority  
MM 54.4 Falmouth, ME  
Contract 2025.03



Date: 1/6/2025

Filename: ... \MSTA.004 - Pipe\_Details.dgn

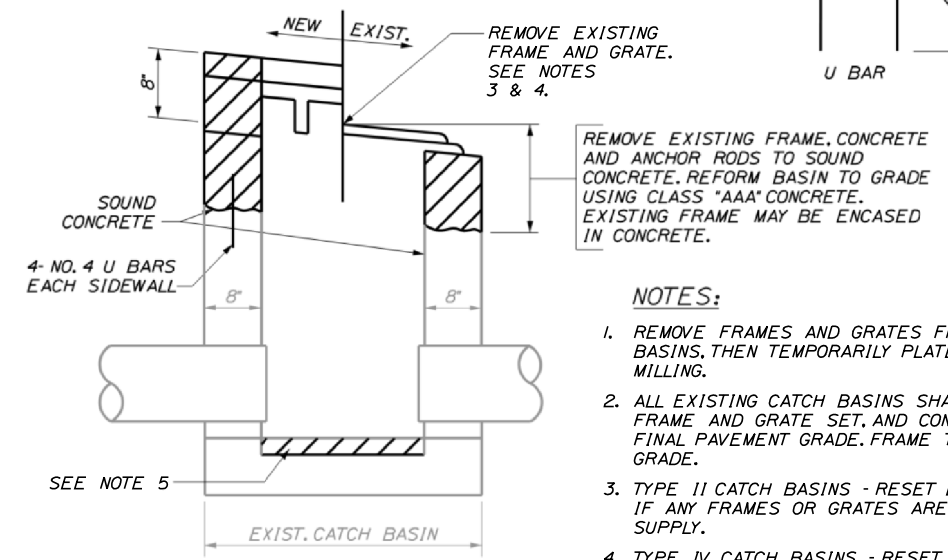
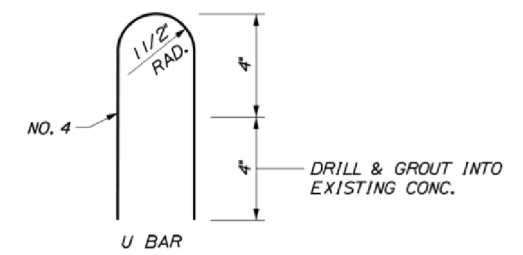


**PIPE ENDS RIPRAP DETAIL**  
NOT TO SCALE

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

**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.

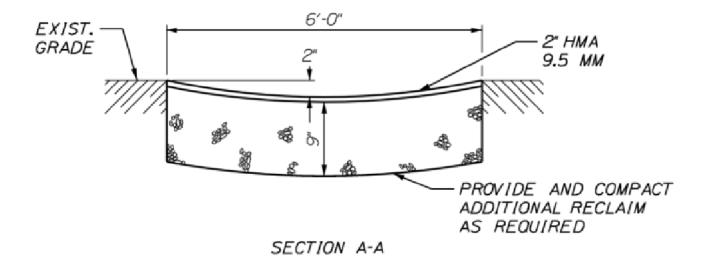
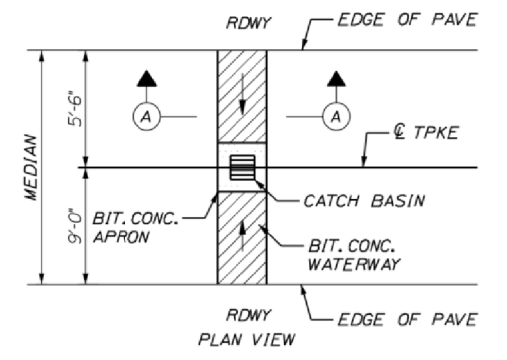


REMOVE EXISTING FRAME, CONCRETE AND ANCHOR RODS TO SOUND CONCRETE. REFORM BASIN TO GRADE USING CLASS "AAA" CONCRETE. EXISTING FRAME MAY BE ENCASED IN CONCRETE.

**NOTES:**

1. REMOVE FRAMES AND GRATES FROM EXISTING TYPE II CATCH BASINS, THEN TEMPORARILY PLATE AND PAVE IN PRIOR TO MILLING.
2. ALL EXISTING CATCH BASINS SHALL BE REBUILT WITH THE FRAME AND GRATE SET, AND CONCRETE FINISHED TO THE FINAL PAVEMENT GRADE. FRAME TO BE SET 1/4" TO 3/8" BELOW GRADE.
3. TYPE II CATCH BASINS - RESET EXISTING FRAME AND GRATE. IF ANY FRAMES OR GRATES ARE NOT USABLE MTA WILL SUPPLY.
4. TYPE IV CATCH BASINS - RESET EXISTING FRAME AND GRATE. IF ANY FRAMES OR GRATES ARE NOT USABLE MTA WILL SUPPLY.
5. REMOVE UNSOUND CONCRETE (2" MIN.) AND REPLACE WITH NEW CONCRETE IF DIRECTED BY RESIDENT.

**REBUILD CATCH BASIN TO GRADE - TYPE II & TYPE IV**  
NOT TO SCALE



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

Scale: NOT TO SCALE

No.	Revision	By	Date

Designed by:

**TYLin**

CONSULTANT PROJECT MANAGER: Shawn R. Davis

By	Date	By	Date
Designed	TWA 7/2024	Checked	JOF 10/2024
Drawn	TWA 7/2024	In Charge of	DWB 12/2024

T.Y. Lin International  
12 Northbrook Drive  
Building A, Suite One  
Falmouth, Maine 04105  
TEL: (207) 781-4721  
FAX: (207) 781-4753

MAINE TURNPIKE

**THE GOLD STAR MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: Kristi Van Ooven, P.E.

**PAVEMENT REHABILITATION AND SAFETY IMPROVEMENTS**

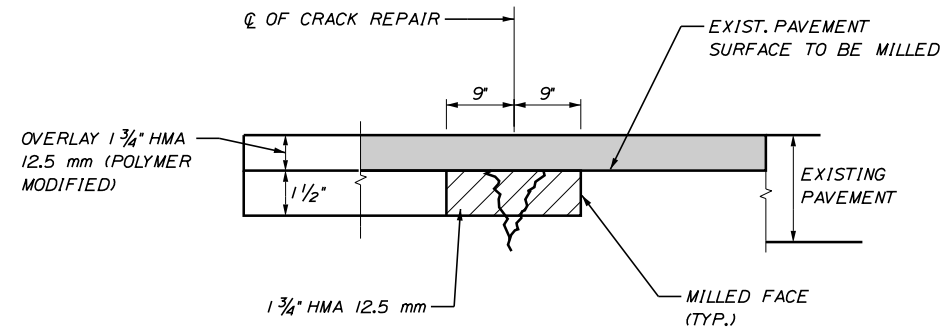
PIPE DETAILS

SHEET NUMBER: P-5

CONTRACT: 2025.03

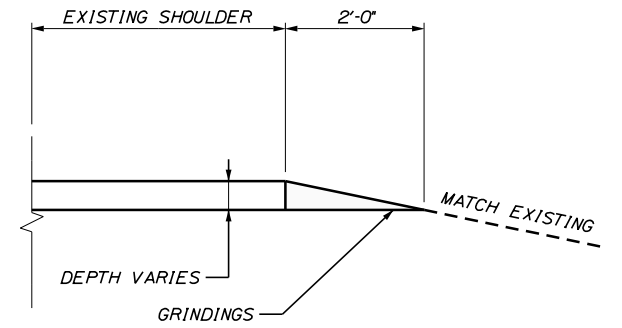
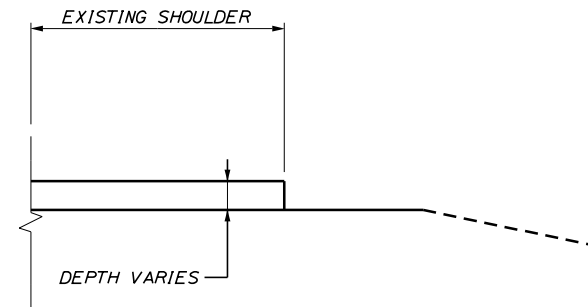
7 OF 25

Date: 1/6/2025



**NOTE:**  
 1. PAVEMENT CRACK REPAIR TO BE USED AS DIRECTED BY THE RESIDENT.

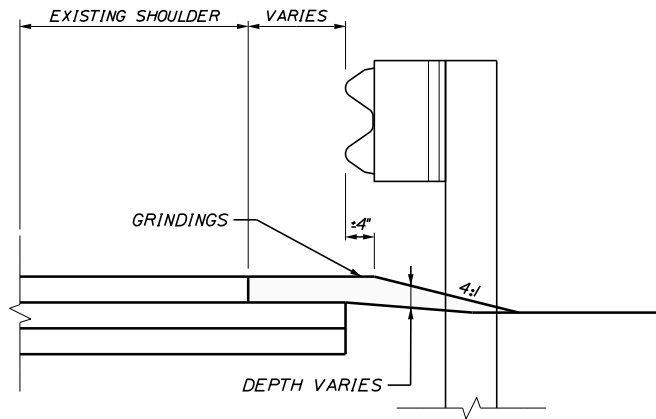
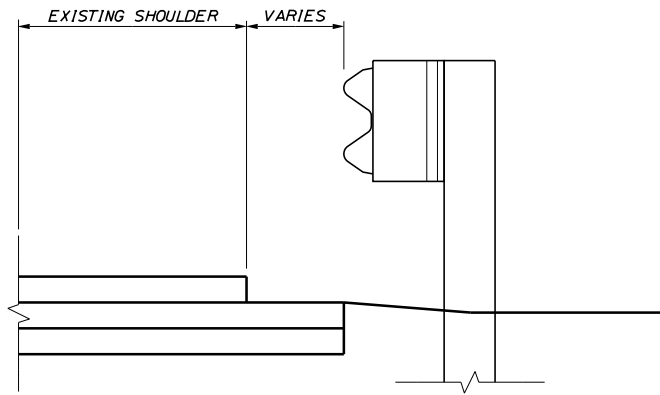
**PAVEMENT CRACK REPAIR SECTION**  
 NOT TO SCALE



EXISTING SECTION

PROPOSED SECTION

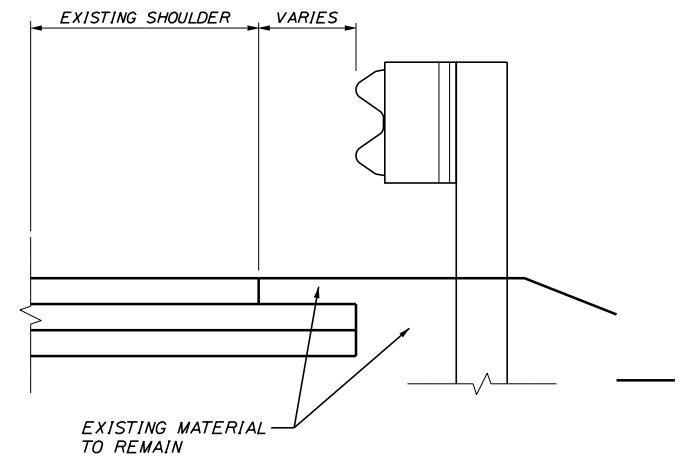
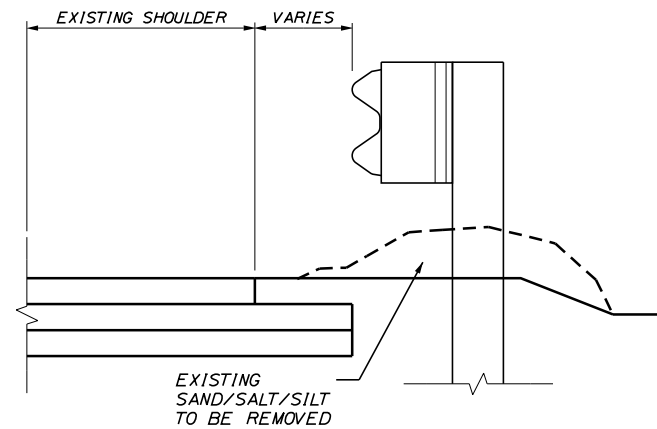
**DETAIL A**  
**BERM DROPOFF CORRECTION WITHOUT GUARDRAIL**  
 NOT TO SCALE



EXISTING SECTION

PROPOSED SECTION

**DETAIL B**  
**BERM DROPOFF CORRECTION WITH GUARDRAIL**  
 NOT TO SCALE



EXISTING SECTION

PROPOSED SECTION

**DETAIL C**  
**BERM CORRECTION**  
 NOT TO SCALE

Filename: ... \MSTA004\_Berm\_Correction.dgn

Scale: NOT TO SCALE

No.	Revision	By	Date

Designed by:

**TYLin**

CONSULTANT PROJECT MANAGER: Shawn R. Davis

	By	Date		By	Date
Designed	TWA	7/2024	Checked	JOF	10/2024
Drawn	TWA	7/2024	In Charge of	DWB	12/2024

T.Y. Lin International  
 12 Northbrook Drive  
 Building A, Suite One  
 Falmouth, Maine 04105  
 TEL: (207) 781-4721  
 FAX: (207) 781-4753



**THE GOLD STAR  
 MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: Kristi Van Ooven, P.E.

**PAVEMENT REHABILITATION  
 AND SAFETY IMPROVEMENTS**  
 PAVEMENT CRACK REPAIR  
 AND BERM CORRECTION DETAILS

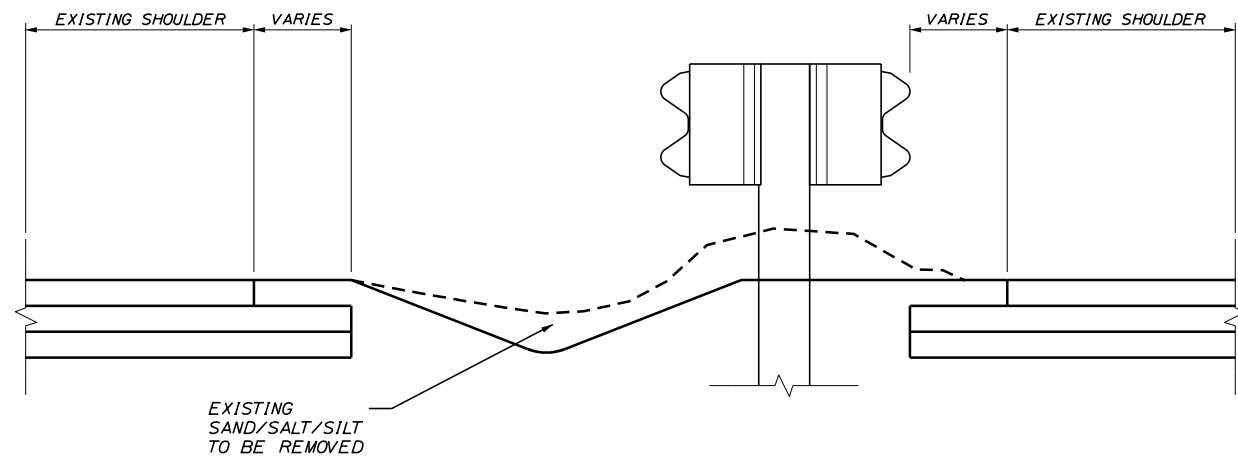
CONTRACT: 2025.03

SHEET NUMBER: P-6

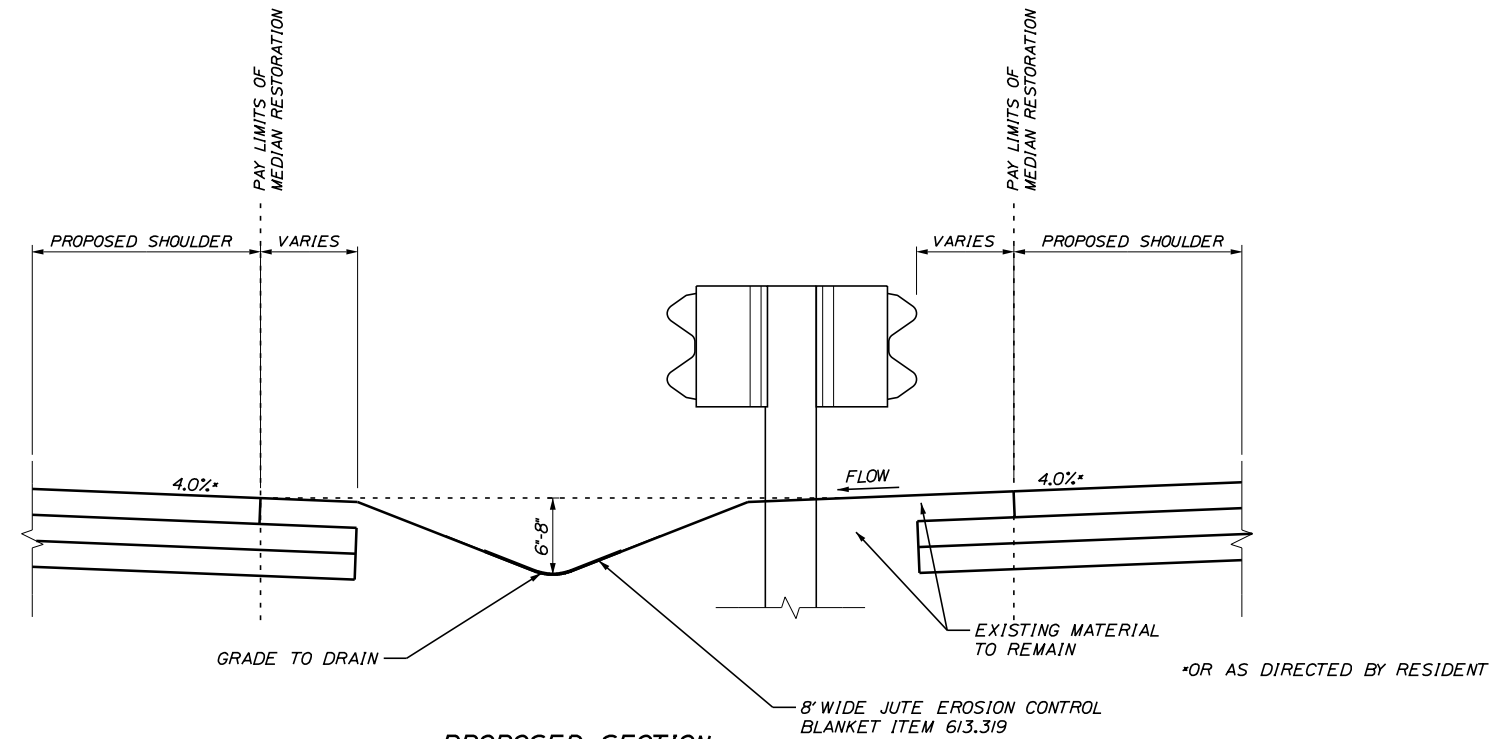
8 OF 25



Date: 1/6/2025



**EXISTING SECTION**  
NOT TO SCALE



**PROPOSED SECTION**  
NOT TO SCALE

**MEDIAN RESTORATION**

STATION	STATION
2553+00	2554+00
2563+00	2577+65
2579+35	2582+00
2583+80	2585+15
2587+30	2627+80
2629+85	2632+45
2633+45	2680+00
2682+00	2725+58

**NOTES:**

1. TAPER SLOPE DOWN TO CATCH BASINS TO PREVENT DROP OFF. USE DEPTH GREATER THAN 8" IN TAPER SECTION IF REQUIRED.
2. HYDROSEEDING SHALL BE USED IN THE MEDIAN. NO STRAW OR HAY MULCH SHALL BE USED.
3. PAVEMENT REMAINING UNDER GUARDRAIL THAT WILL PREVENT SHEET FLOW FROM PROPOSED SHOULDER TO MEDIAN SHALL BE REMOVED. THIS IS INCLUDED AS PART OF THE MEDIAN RESTORATION ITEM 211.50. PAYMENT FOR SAW CUTTING REQUIRED TO COMPLETE THIS WORK WILL BE PAID FOR UNDER PAY ITEM 419.30.
4. MEDIAN RESTORATION SHALL BE FLUSH WITH PAVEMENT AT THE EDGE OF PAVEMENT. BERM DROPOFF CORRECTION ADJACENT TO MEDIAN RESTORATION, AND LOAM TOUCHUP AFTER PAVING, SHALL BE INCIDENTAL TO THE MEDIAN RESTORATION.

Filename: ... \008\_medi...\_restoration.dgn

Scale: NOT TO SCALE			
No.	Revision	By	Date

Designed by:					
<b>TYLin</b>					
CONSULTANT PROJECT MANAGER: Shawn R. Davis					
	By	Date		By	Date
Designed	TWA	7/2024	Checked	JOF	10/2024
Drawn	MJD	7/2024	In Charge of	DWB	12/2024

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Falmouth, Maine 04105  
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**THE GOLD STAR  
MEMORIAL HIGHWAY**

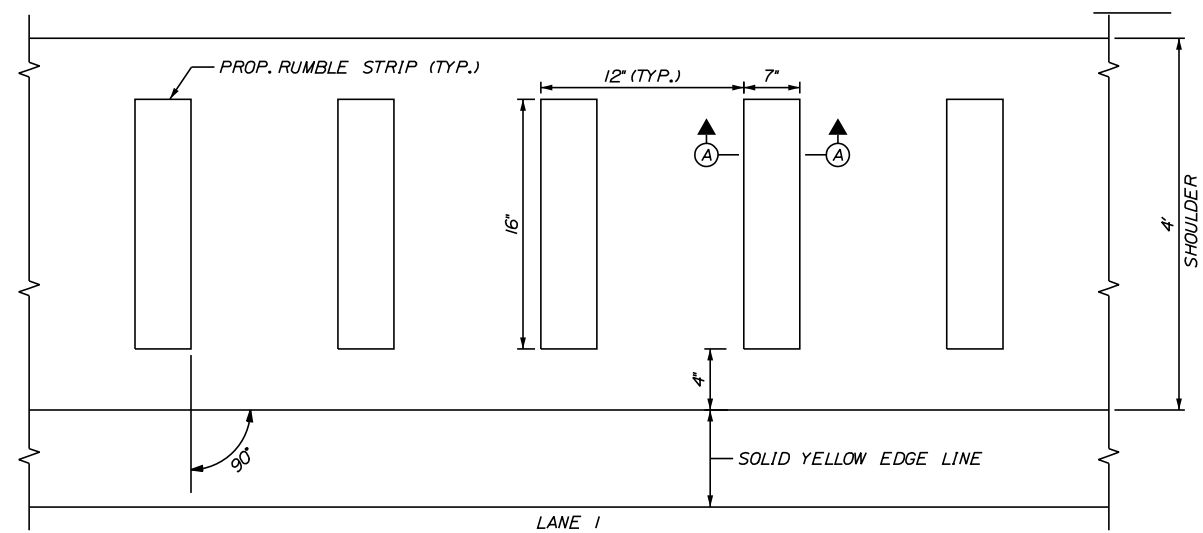
MTA PROJECT MANAGER: Kristi Van Ooven, P.E.

**PAVEMENT REHABILITATION  
AND SAFETY IMPROVEMENTS**

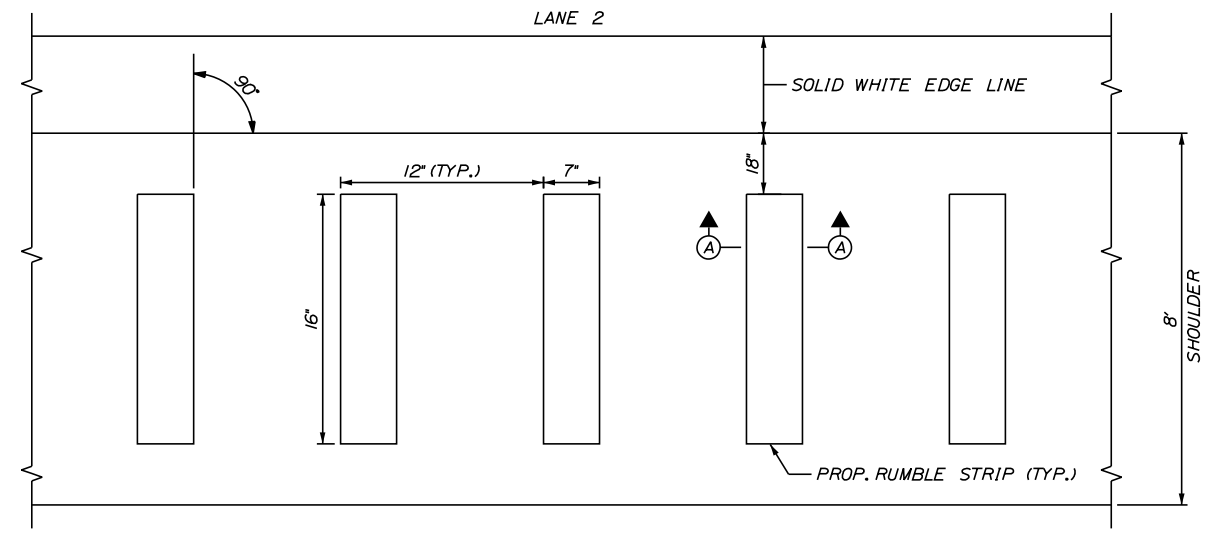
MEDIAN RESTORATION DETAILS

SHEET NUMBER: P-7  
CONTRACT: 2025.03  
9 OF 25

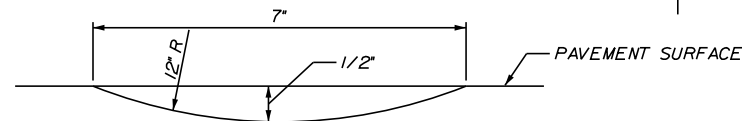
Date: 1/6/2025



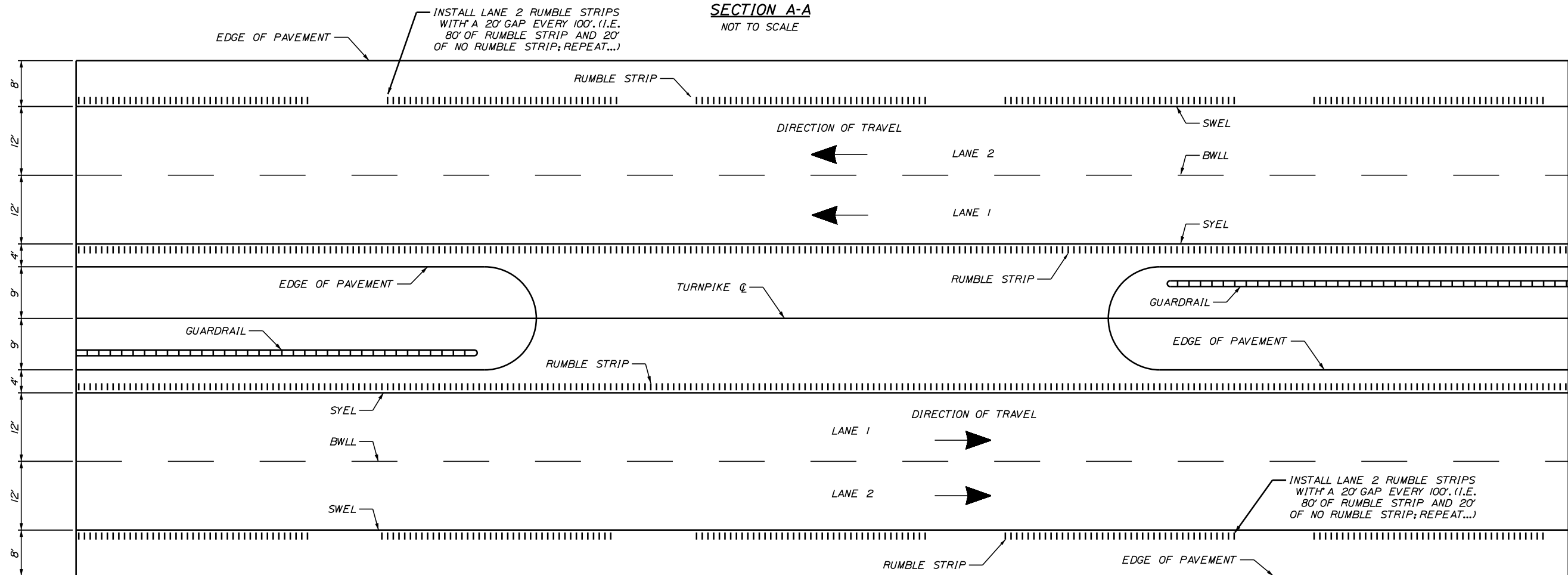
**PLAN VIEW - LANE 1**  
NOT TO SCALE



**PLAN VIEW - LANE 2**  
NOT TO SCALE



**SECTION A-A**  
NOT TO SCALE



**LOCATION OF RUMBLE STRIP CROSSOVERS**  
NOT TO SCALE

**NOTE:**

1. AT OFF RAMP, THE LANE 2 RUMBLE STRIP SHALL TERMINATE 100' PRIOR TO THE START OF THE DECELERATION LANE TAPER. AT ON RAMP, THE LANE 2 RUMBLE STRIP SHALL BEGIN 100' BEYOND THE END OF THE ACCELERATION LANE TAPER.

Filename: ... \010\_Rumble\_Strip\_Detail.dgn

Scale: NOT TO SCALE			
No.	Revision	By	Date

Designed by:

**TYLin**

CONSULTANT PROJECT MANAGER: Shawn R. Davis

By	Date	By	Date
Designed NJB	11/2024	Checked DWB	12/2024
Drawn NJB	11/2024	In Charge of DWB	12/2024

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**THE GOLD STAR  
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: Kristi Van Ooven, P.E.

**PAVEMENT REHABILITATION  
AND SAFETY IMPROVEMENTS**

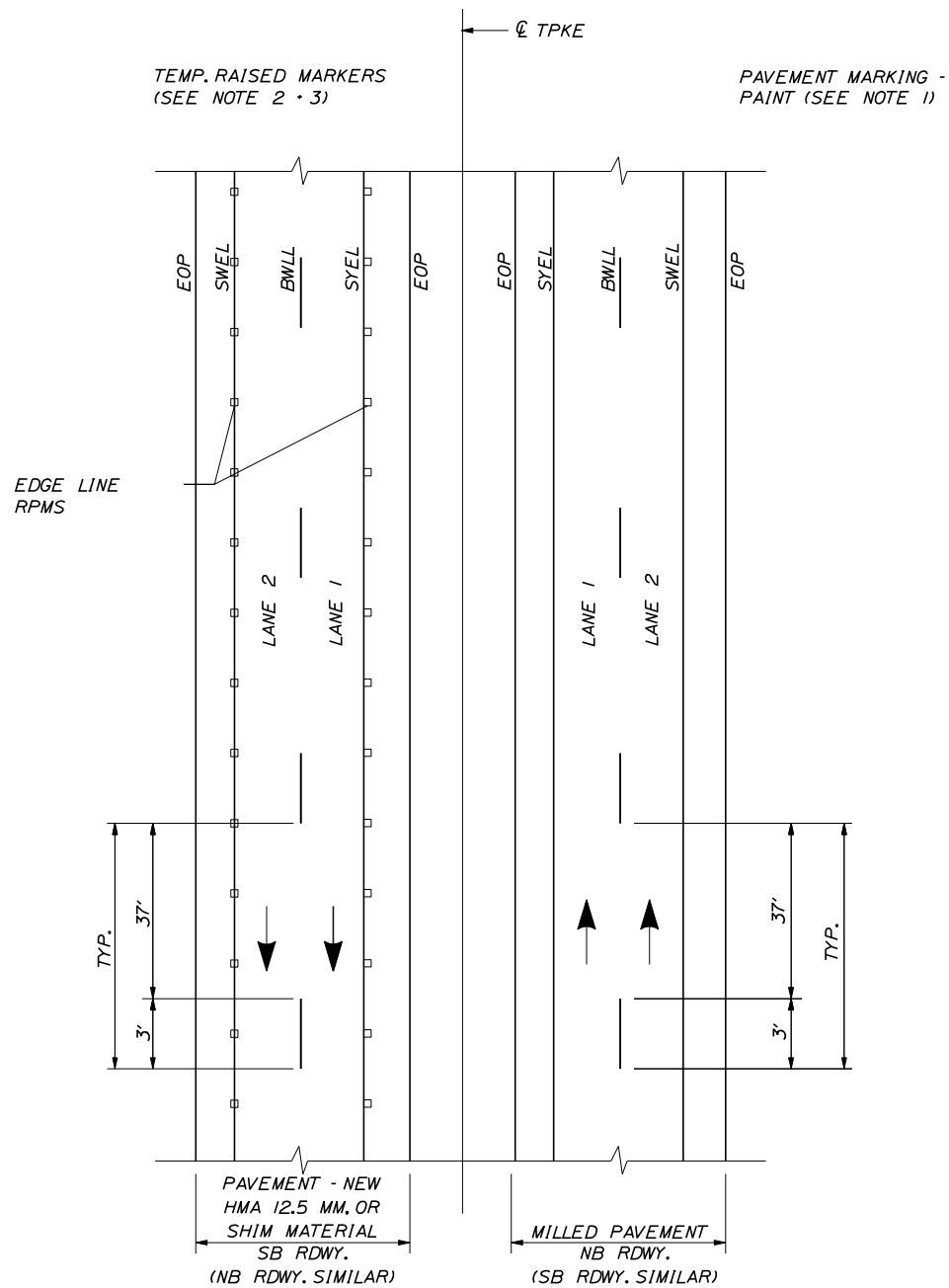
RUMBLE STRIP DETAILS

CONTRACT: 2025.03

SHEET NUMBER: P-8

10 OF 25

Date: 1/6/2025



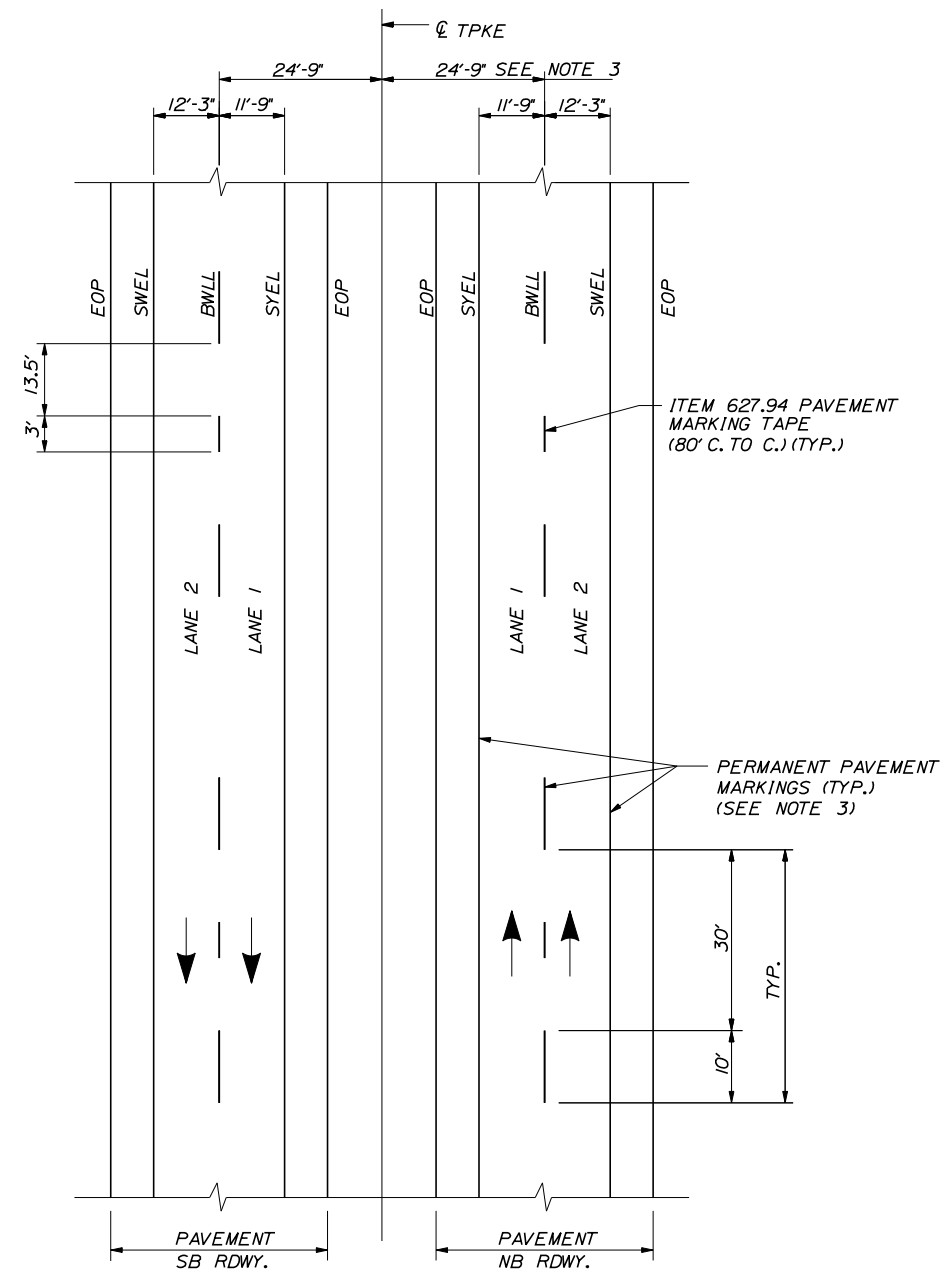
**TEMP. PAVEMENT MARKINGS  
2 LANE ROADWAY**

**NOTES:**

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

**LEGEND**

- SYEL = SOLID YELLOW EDGE LINE
- SWEL = SOLID WHITE EDGE LINE
- BWLL = BROKEN WHITE LANE LINE
- EOP = EDGE OF PAVEMENT



**PAVEMENT MARKING DETAIL  
2 LANE ROADWAY**

**NOTES:**

1. PAVEMENT MARKINGS SHALL BE 6" WIDE LINES.
2. THE OFFSET DISTANCES SHOWN ARE MEASURED FROM THE CENTER OF THE 6" PAINT LINES.
3. TO BE LAID OUT BY CONTRACTOR AND PAINTED BY M.T.A.

Filename: ... \MSTA\005\_Pavement\_Markings.dgn

Scale: NOT TO SCALE			
No.	Revision	By	Date

Designed by:			
<b>TYLin</b>			
CONSULTANT PROJECT MANAGER: Shawn R. Davis			
	By	Date	
Designed	TWA	7/2024	Checked
			JOF
Drawn	TWA	7/2024	In Charge of
			DWB
			12/2024

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**THE GOLD STAR  
MEMORIAL HIGHWAY**

**PAVEMENT REHABILITATION  
AND SAFETY IMPROVEMENTS**

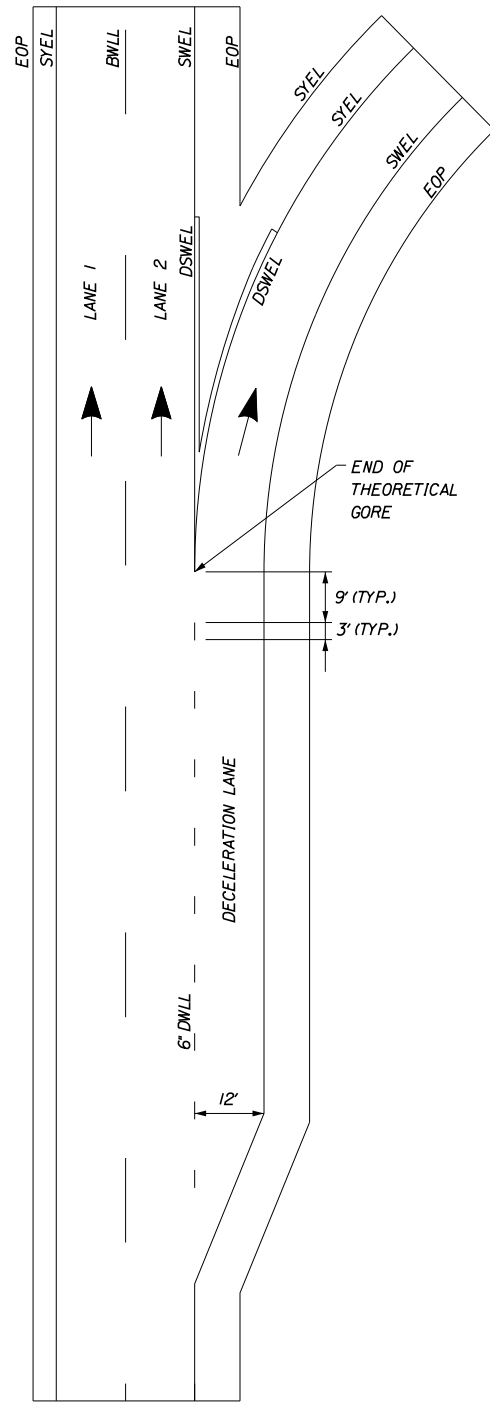
PAVEMENT MARKING DETAILS

SHEET NUMBER: P-9  
CONTRACT: 2025.03  
11 OF 25

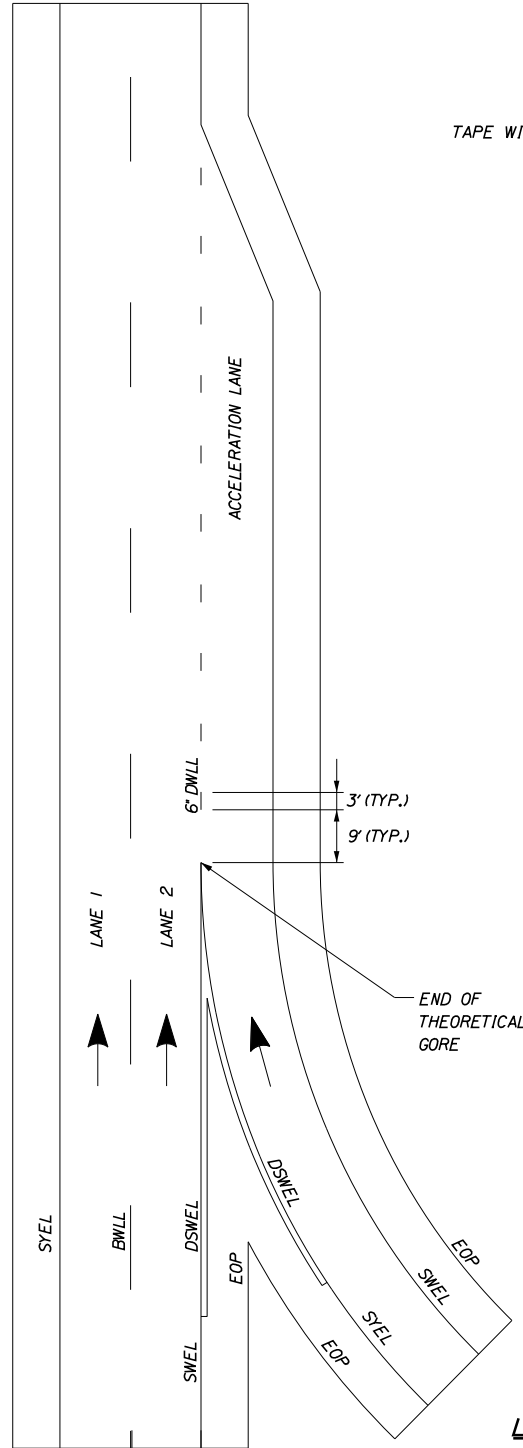
MTA PROJECT MANAGER: Kristi Van Ooven, P.E.

Date: 1/6/2025

Filename: ...xxx\_Romp\_Pavement\_Markings.dgn

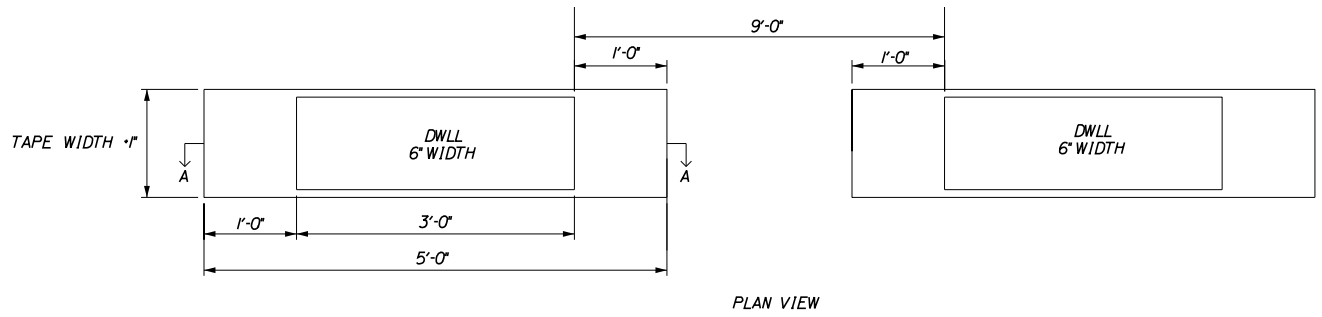


DEPARTING RAMP

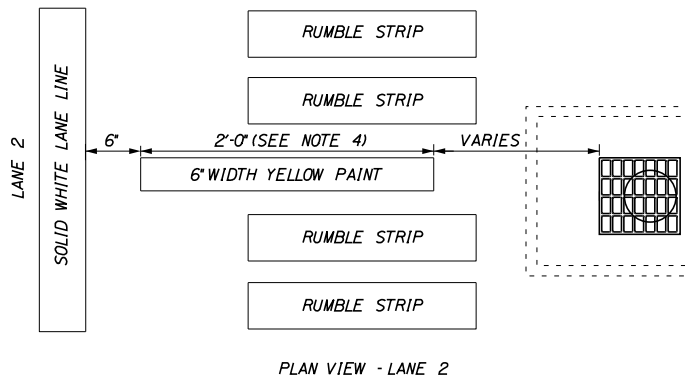


ENTERING RAMP

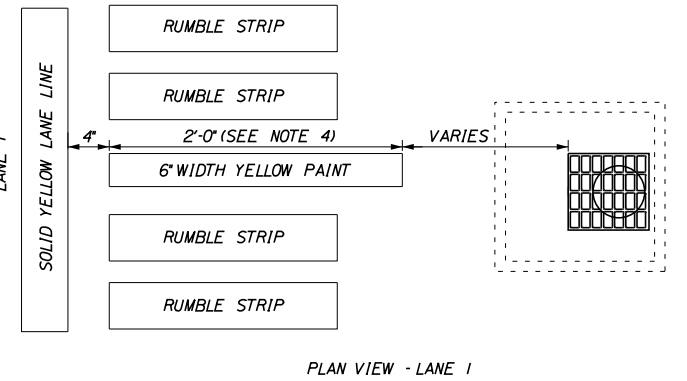
**PERMANENT PAVEMENT MARKINGS WITH TAPE**  
(ITEM 627.941 PAVEMENT MARKING TAPE)



**ITEM 627.941  
DWLL PERMANENT PAVEMENT MARKINGS WITH TAPE**  
GROOVING DETAIL  
NTS



PLAN VIEW - LANE 2



PLAN VIEW - LANE 1

**CATCH BASIN MARKING DETAILS**  
NTS

LOCATION	LANE TYPE	BEGIN STA.	END STA.	LENGTH FT	LENGTH OF TAPE FT
EXIT 52 NB	OFF RAMP	2553-75	2566-00	1242	705
EXIT 52 NB	ON RAMP	2582-60	2588-80	605	205
EXIT 52 SB	OFF RAMP	2568-67	2579-40	1071	695
EXIT 52 SB	ON RAMP	2548-60	2559-40	1037	135
EXIT 53 NB	OFF RAMP	2597-00	2607-00	1000	480
EXIT 53 NB	ON RAMP	2620-20	2630-20	1000	200
EXIT 53 SB	OFF RAMP	2610-75	2620-55	950	525
EXIT 53 SB	ON RAMP	2589-00	2595-75	680	100
TOTAL					3045

**LEGEND**

- SYEL = SOLID YELLOW EDGE LINE (6" PAINT)
- SWEL = SOLID WHITE EDGE LINE (6" PAINT)
- DSWEL = DOUBLE SOLID WHITE EDGE LINE (12" PAINT)
- BWLL = BROKEN WHITE LANE LINE (6" PAINT)
- EOP = EDGE OF PAVEMENT
- DWLL = DOTTED WHITE LANE LINE (6" TAPE)

**NOTES:**

1. 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.
2. ON DEPARTING RAMPS, THE DWLL SHALL BEGIN AT THE BEGINNING OF THE TAPER AND EXTEND THE FULL LENGTH OF THE DECELERATION LANE TO THE THEORETICAL GORE MARKINGS.
3. ON ENTERING RAMPS, THE DWLL SHALL BEGIN AT THE END OF THE THEORETICAL GORE MARKINGS AND SHALL EXTEND THE FULL LENGTH OF THE ACCELERATION LANE INCLUDING THE TAPER.
4. ITEM 627.941 PAVEMENT MARKING TAPE FOR DWLL SHALL BE INSTALLED IN AN "IN-AND-OUT" GROOVING PATTERN. SEE DETAIL ON THIS SHEET.
5. CONTRACTOR SHALL FOLLOW MANUFACTURERS RECOMMENDATIONS FOR INSTALLATION OF THE TAPE. ANY CHANGES TO INSTALLATION PROCEDURES SHALL BE APPROVED BY THE RESIDENT

**NOTES:**

1. CATCH BASIN MARKINGS TO BE PLACED ADJACENT TO ALL MEDIAN AND SHOULDER CATCH BASINS.
2. PAYMENT SHALL BE MADE UNDER ITEM 627.78 TEMPORARY PAVEMENT MARKING LINE.
3. PAINT COLOR SHOULD MATCH THE ADJACENT LANE STRIPING.
4. WHERE DISTANCE BETWEEN LANE LINE AND CATCH BASIN IS LESS THAN 2' PAINT SHALL MATCH THAT DISTANCE MINUS 2'.

Scale: NOT TO SCALE

No.	Revision	By	Date

Designed by:

**TYLin**

CONSULTANT PROJECT MANAGER: Shawn R. Davis

By	Date	By	Date
Designed	TWA 9/2024	Checked	JOF 10/2024
Drawn	TWA 9/2024	In Charge of	DWB 12/2024

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MAINE TURNPIKE

**THE GOLD STAR MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: Kristi Van Ooven, P.E.

**PAVEMENT REHABILITATION AND SAFETY IMPROVEMENTS**

RAMP PAVEMENT MARKING DETAILS

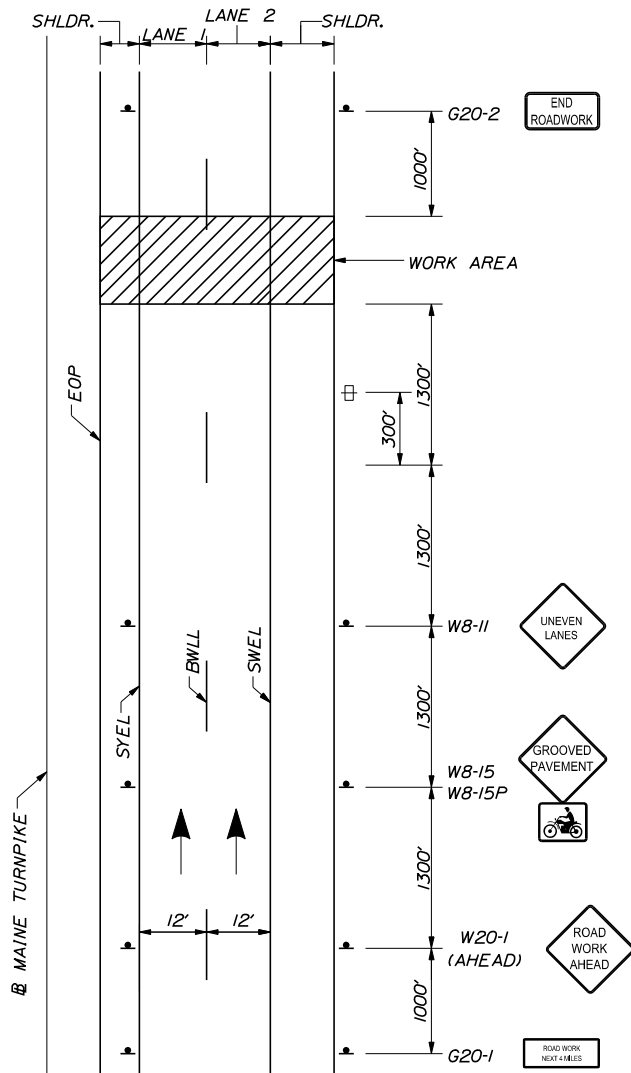
SHEET NUMBER: P-10

CONTRACT: 2025.03

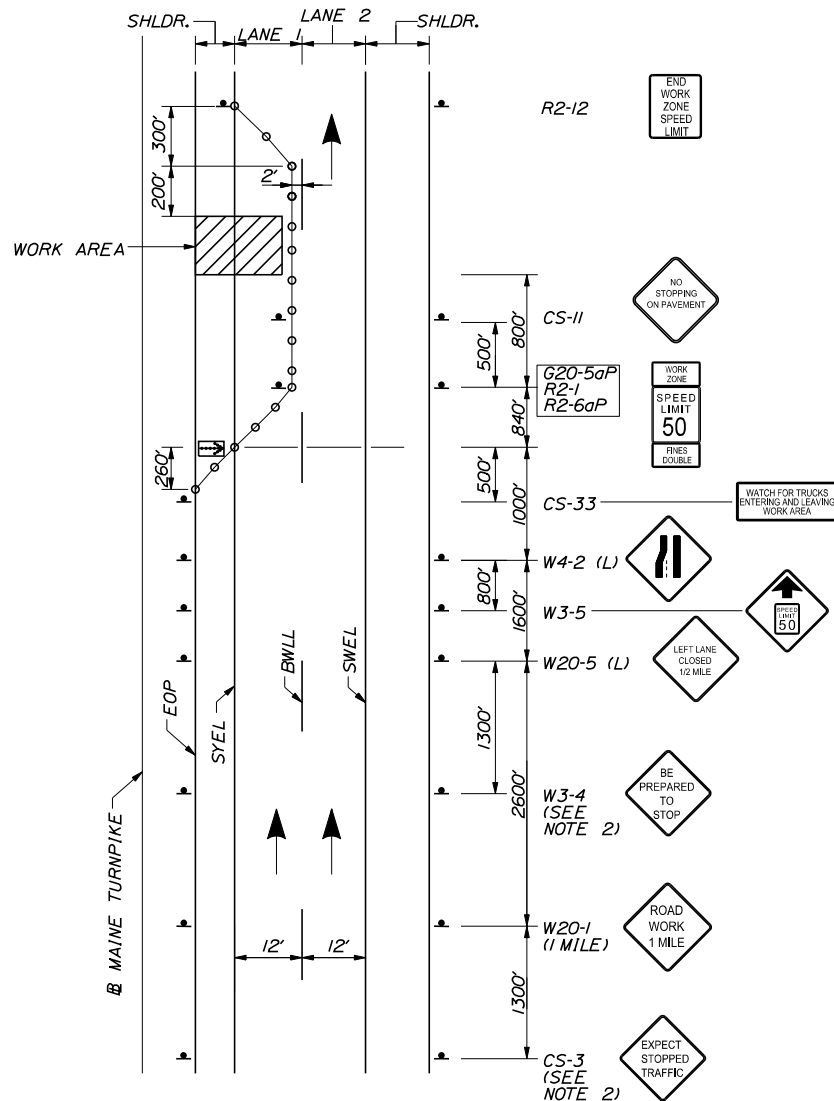
12 OF 25



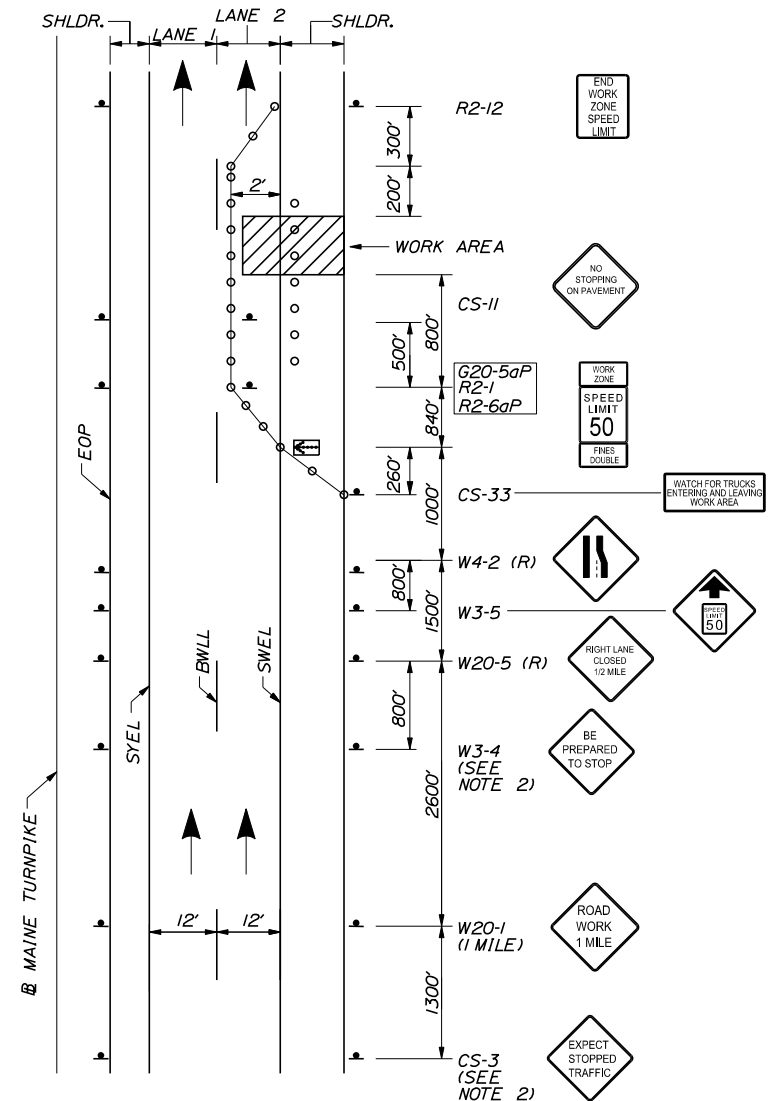
Date: 1/6/2025



**MAINLINE  
BEGINNING OF WORK SIGNAGE**



**MAINLINE CLOSURE  
WORK IN MEDIAN AND LANE 1**



**MAINLINE CLOSURE  
WORK IN SHOULDER AND LANE 2**

**NOTES:**

1. FOR SIGN DETAILS, SEE SIGN SUMMARY SHEET
2. TO BE USED DURING STOPPAGE OF TRAFFIC

**LEGEND**

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

Scale: NOT TO SCALE

No.	Revision	By	Date

Designed by:

**TYLin**

CONSULTANT PROJECT MANAGER: Shawn R. Davis

	By	Date	By	Date	
Designed	MJD	8/2024	Checked	JOF	10/2024
Drawn	MJD	8/2024	In Charge of	DWB	12/2024

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**THE GOLD STAR  
MEMORIAL HIGHWAY**

**PAVEMENT REHABILITATION  
AND SAFETY IMPROVEMENTS**  
 TRAFFIC CONTROL  
 MAINLINE CLOSURE (1 OF 2)

MTA PROJECT MANAGER: Kristi Van Ooven, P.E.

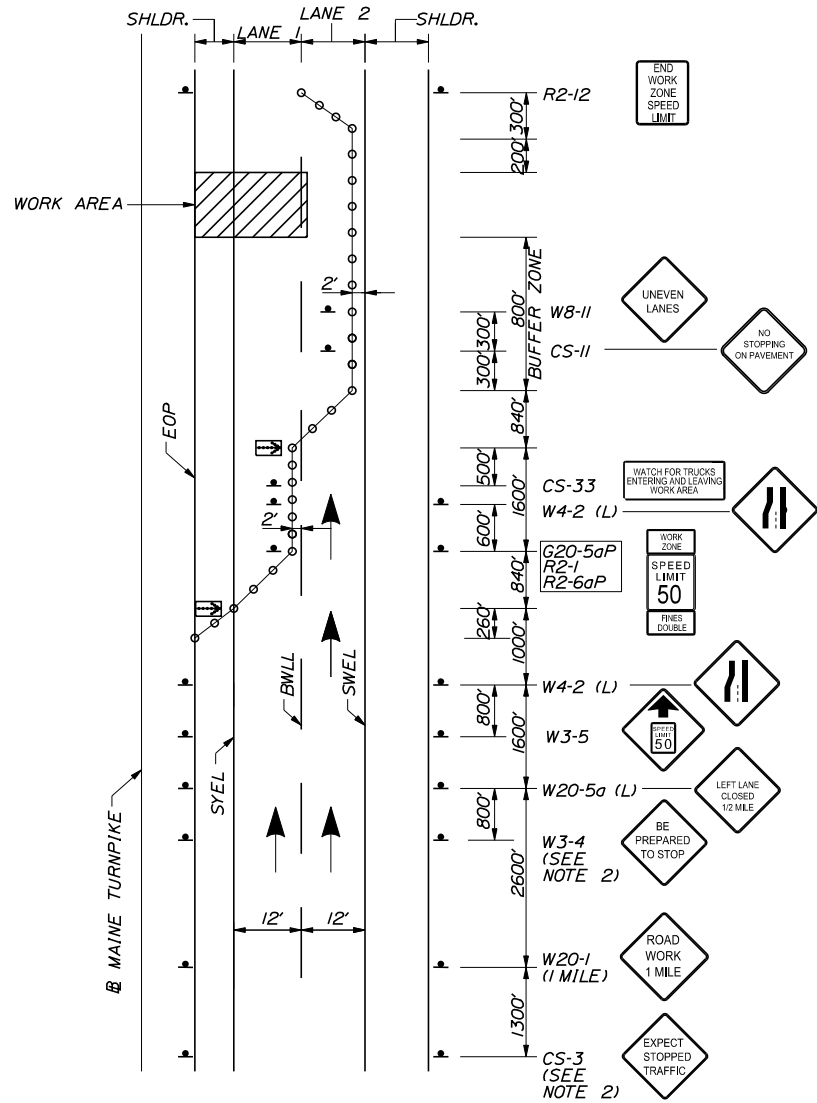
CONTRACT: 2025.03

SHEET NUMBER: T-1

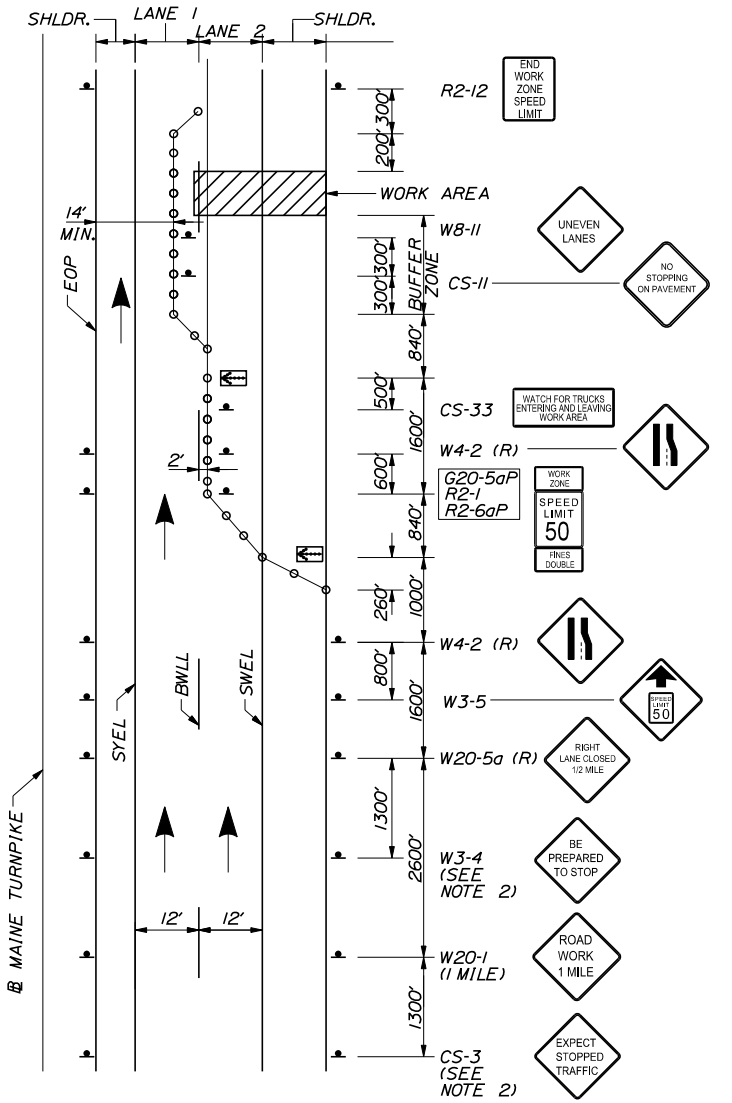
14 OF 25

Filename: ...009\_Traffic Control Details.dgn

Date: 1/6/2025



**MAINLINE CLOSURE**  
PAVING AND MILLING OPERATIONS IN LANE 1



**MAINLINE CLOSURE**  
PAVING AND MILLING OPERATIONS IN LANE 2

**NOTES:**

1. FOR SIGN DETAILS, SEE SIGN SUMMARY SHEET
2. TO BE USED DURING STOPPAGE OF TRAFFIC

**LEGEND**

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

Scale: NOT TO SCALE

No.	Revision	By	Date

Designed by:

**TYLin**

CONSULTANT PROJECT MANAGER: Shawn R. Davis

	By	Date	By	Date	
Designed	MJD	8/2024	Checked	JOF	10/2024
Drawn	MJD	8/2024	In Charge of	DWB	12/2024

T.Y. Lin International  
 12 Northbrook Drive  
 Building A, Suite One  
 Falmouth, Maine 04105  
 TEL: (207) 781-4721  
 FAX: (207) 781-4753

**MAINE TURNPIKE**

**THE GOLD STAR MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: Kristi Van Ooven, P.E.

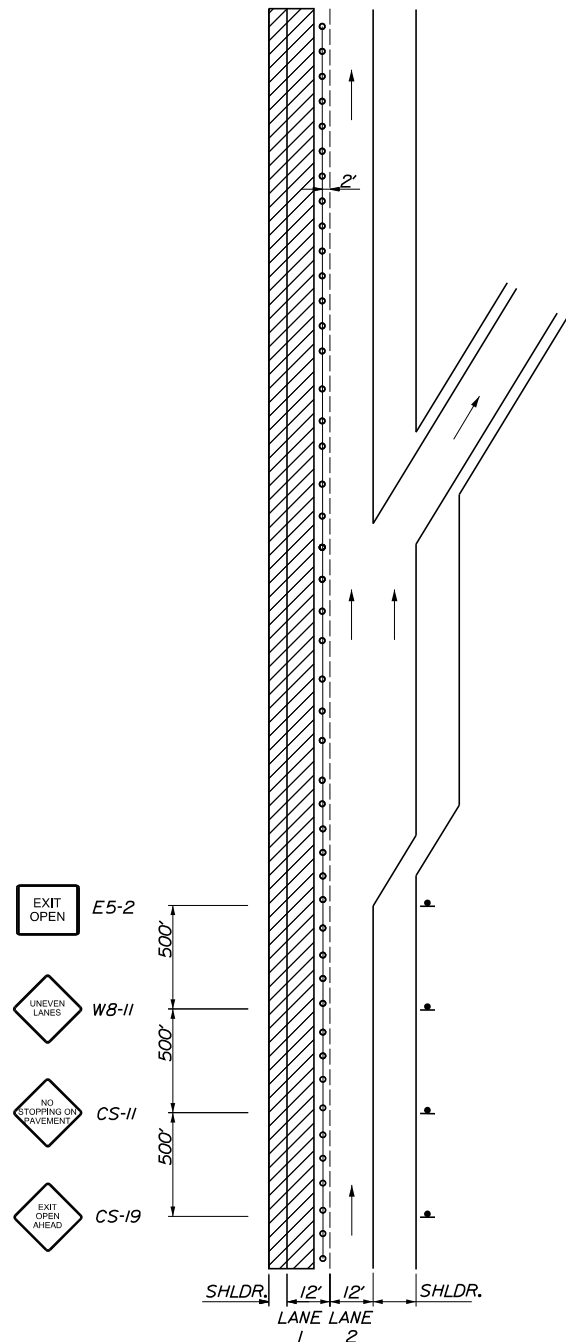
PAVEMENT REHABILITATION AND SAFETY IMPROVEMENTS  
 TRAFFIC CONTROL  
 MAINLINE CLOSURE (2 OF 2)

SHEET NUMBER: T-2

CONTRACT: 2025.03

15 OF 25

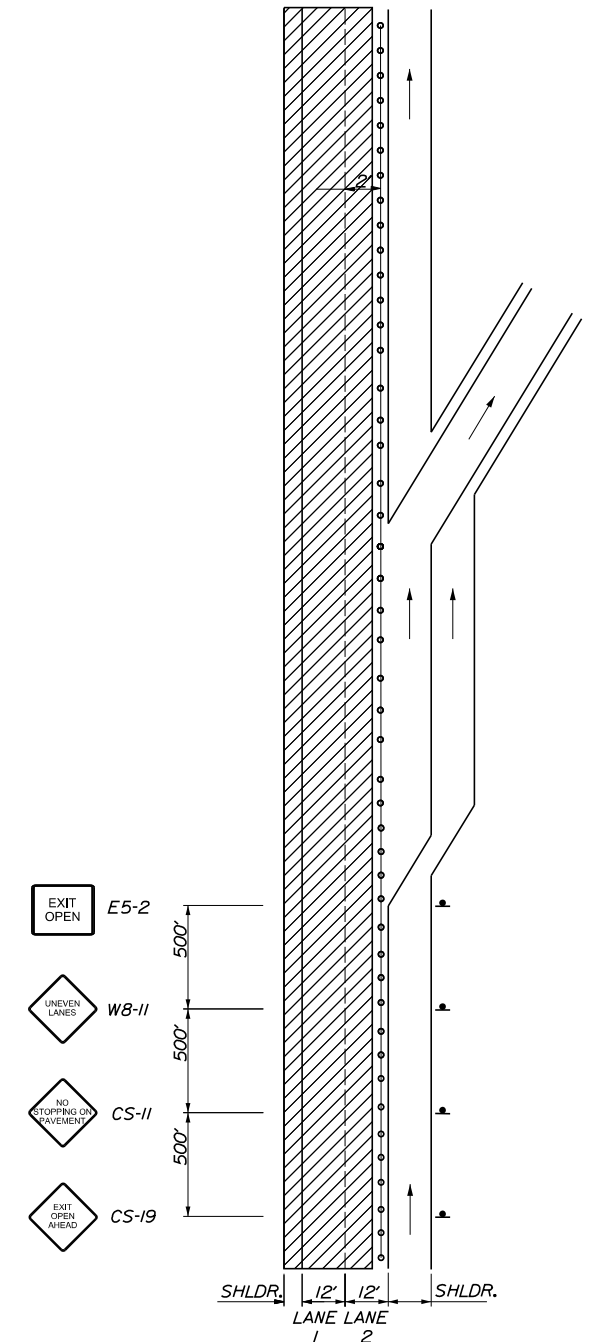
Filename: ...009\_Traffic Control Details.dwg



**LANE 1 CLOSED  
TRAFFIC IN LANE 2  
EXITING RAMP OPEN**

**NOTES:**

1. FOR SIGN DETAILS, SEE SIGN SUMMARY SHEETS.
2. LANE CLOSURES AT ENTRANCE AND EXIT RAMP MAY BE COMBINED IF APPROVED BY THE RESIDENT.
3. ALL M.O.T. DEVICES AND LOCATIONS NOT NOTED ON THIS SHEET SHALL BE AS NOTED ON "TRAFFIC CONTROL MAINLINE CLOSURE" SHEETS T-1 THROUGH T-2.



**LANE 1 & 2 CLOSED  
TRAFFIC IN SHOULDER  
EXITING RAMP OPEN**

**LEGEND**

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

Scale: NOT TO SCALE

No.	Revision	By	Date

Designed by:

CONSULTANT PROJECT MANAGER: Shawn R. Davis

By	Date	By	Date
Designed	MJD 8/2024	Checked	JOF 10/2024
Drawn	MJD 8/2024	In Charge of	DWB 12/2024

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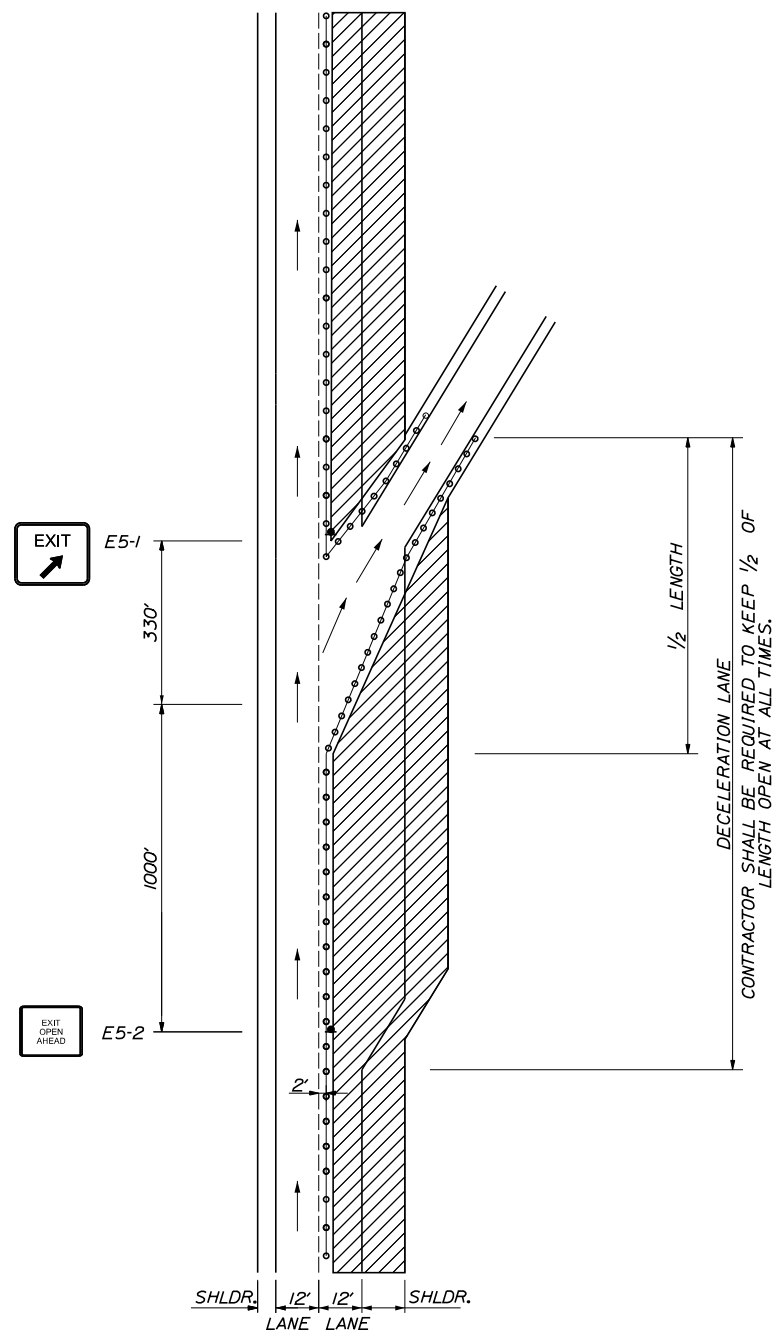
**THE GOLD STAR  
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: Kristi Van Ooven, P.E.

**PAVEMENT REHABILITATION  
AND SAFETY IMPROVEMENTS**  
 TRAFFIC CONTROL  
 LANE CLOSURE AT EXIT RAMP (1 OF 2)

SHEET NUMBER: T-3  
 CONTRACT: 2025.03  
 16 OF 25

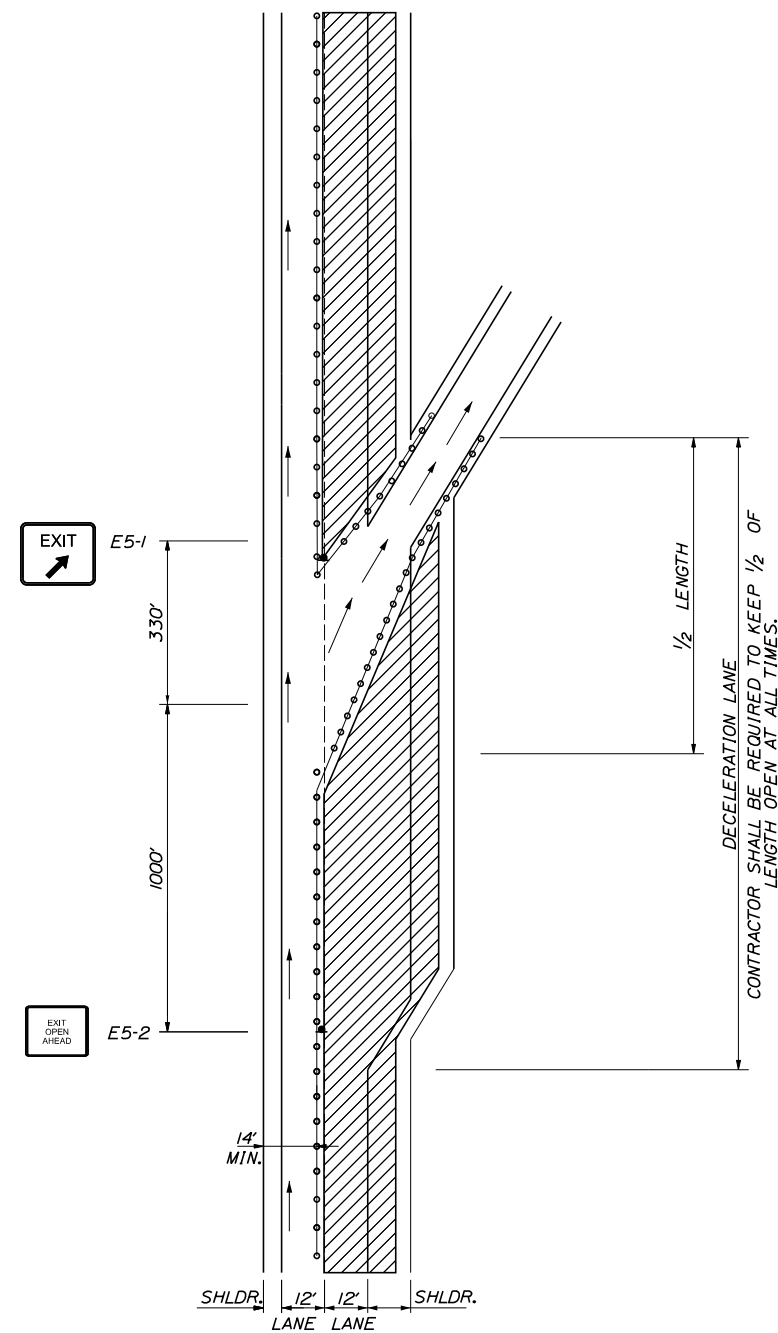




**LANE 2 CLOSED  
TRAFFIC IN LANE 1  
EXITING RAMP OPEN**

**NOTES:**

1. FOR SIGN DETAILS, SEE SIGN SUMMARY SHEETS.
2. LANE CLOSURES AT ENTRANCE AND EXIT RAMP MAY BE COMBINED IF APPROVED BY THE RESIDENT.
3. ALL M.O.T. DEVICES AND LOCATIONS NOT NOTED ON THIS SHEET SHALL BE AS NOTED ON "TRAFFIC CONTROL MAINLINE CLOSURE" SHEETS T-1 THROUGH T-2.
4. CONTRACTOR SHALL RELOCATE CONSTRUCTION SIGNS AS DIRECTED BY THE RESIDENT



**LANE 2 CLOSED  
TRAFFIC IN SHOULDER  
EXITING RAMP OPEN**

**LEGEND**

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

Scale:			
NOT TO SCALE			
No.	Revision	By	Date

Designed by:					
<b>TYLin</b>					
CONSULTANT PROJECT MANAGER: Shawn R. Davis					
	By	Date		By	Date
Designed	MJD	8/2024	Checked	JOF	10/2024
Drawn	MJD	8/2024	In Charge of	DWB	12/2024

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**THE GOLD STAR  
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: Kristi Van Ooven, P.E.

**PAVEMENT REHABILITATION  
AND SAFETY IMPROVEMENTS**

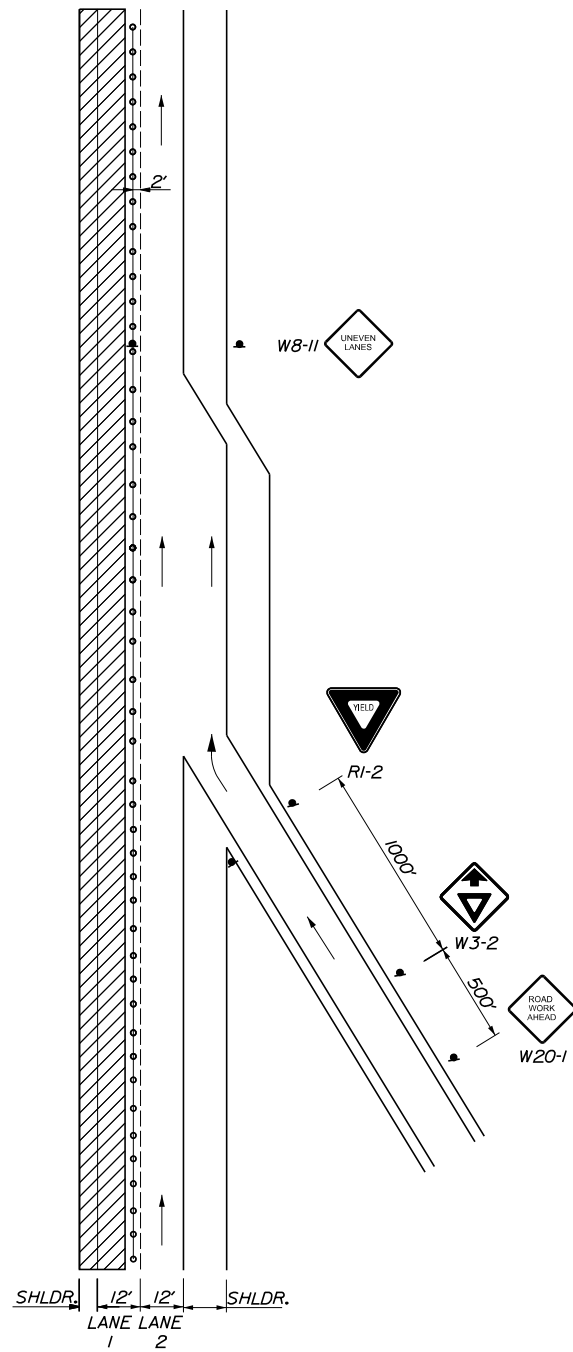
TRAFFIC CONTROL

LANE CLOSURE AT EXIT RAMP (2 OF 2)

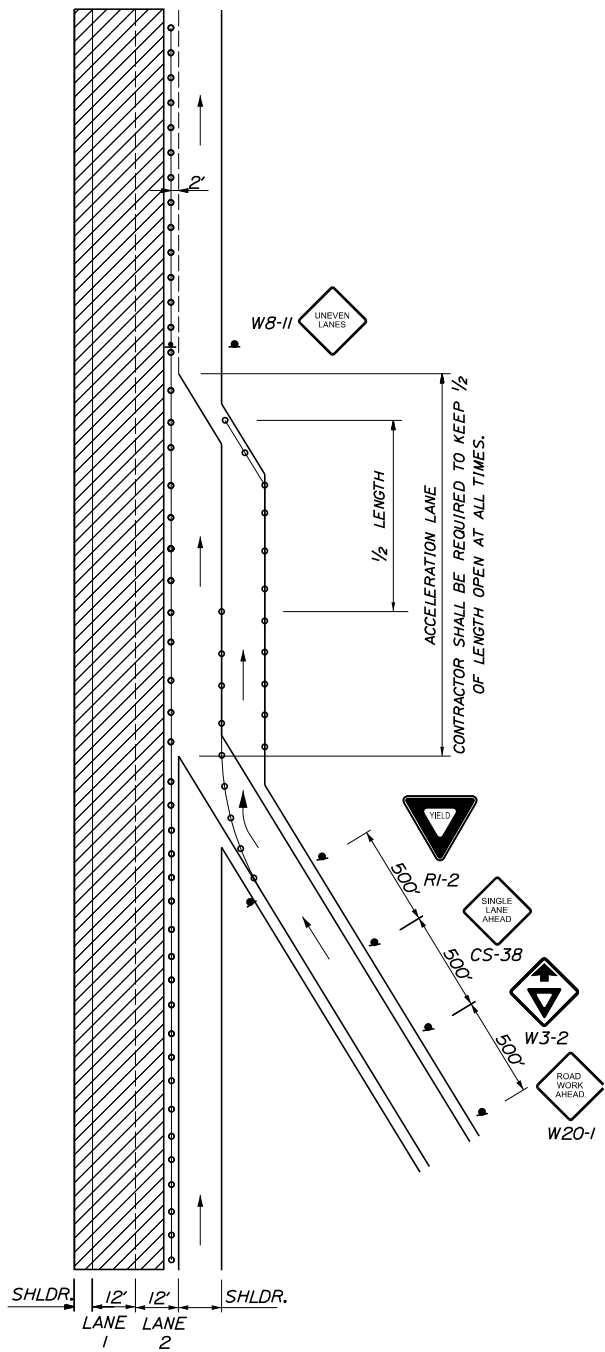
SHEET NUMBER: T-4

CONTRACT: 2025.03 17 OF 25

Date: 1/6/2025



LANE 1 CLOSED  
TRAFFIC IN LANE 2  
ENTERING RAMP OPEN



LANE 1 & 2 CLOSED  
TRAFFIC IN SHOULDER  
ENTERING RAMP OPEN

- NOTES:**
- FOR SIGN DETAILS, SEE SIGN SUMMARY SHEETS.
  - LANE CLOSURES AT ENTRANCE AND EXIT RAMP MAY BE COMBINED IF APPROVED BY THE RESIDENT.
  - ALL M.O.T. DEVICES AND LOCATIONS NOT NOTED ON THIS SHEET SHALL BE AS NOTED ON "TRAFFIC CONTROL MAINLINE CLOSURE" SHEETS T-1 THROUGH T-2.
  - CONTRACTOR SHALL RELOCATE CONSTRUCTION SIGNS AS DIRECTED BY THE RESIDENT
  - ALL STOP AND YIELD SIGNS SHALL BE MOUNTED 5 FEET ABOVE THE PAVEMENT.

- LEGEND**
- FLASHING ARROW BOARD
  - CONSTRUCTION SIGN
  - PORTABLE - CHANGEABLE MESSAGE SIGN
  - DRUM SPACED AT 80' INTERVALS ON TANGENTS, 40' INTERVALS ON TAPERS
  - WORK AREA

Filename: ...009\_Traffic Control Details.dwg

Scale: NOT TO SCALE

No.	Revision	By	Date

Designed by:

CONSULTANT PROJECT MANAGER: Shawn R. Davis

	By	Date	By	Date	
Designed	MJD	8/2024	Checked	JOF	10/2024
Drawn	MJD	8/2024	In Charge of	DWB	12/2024

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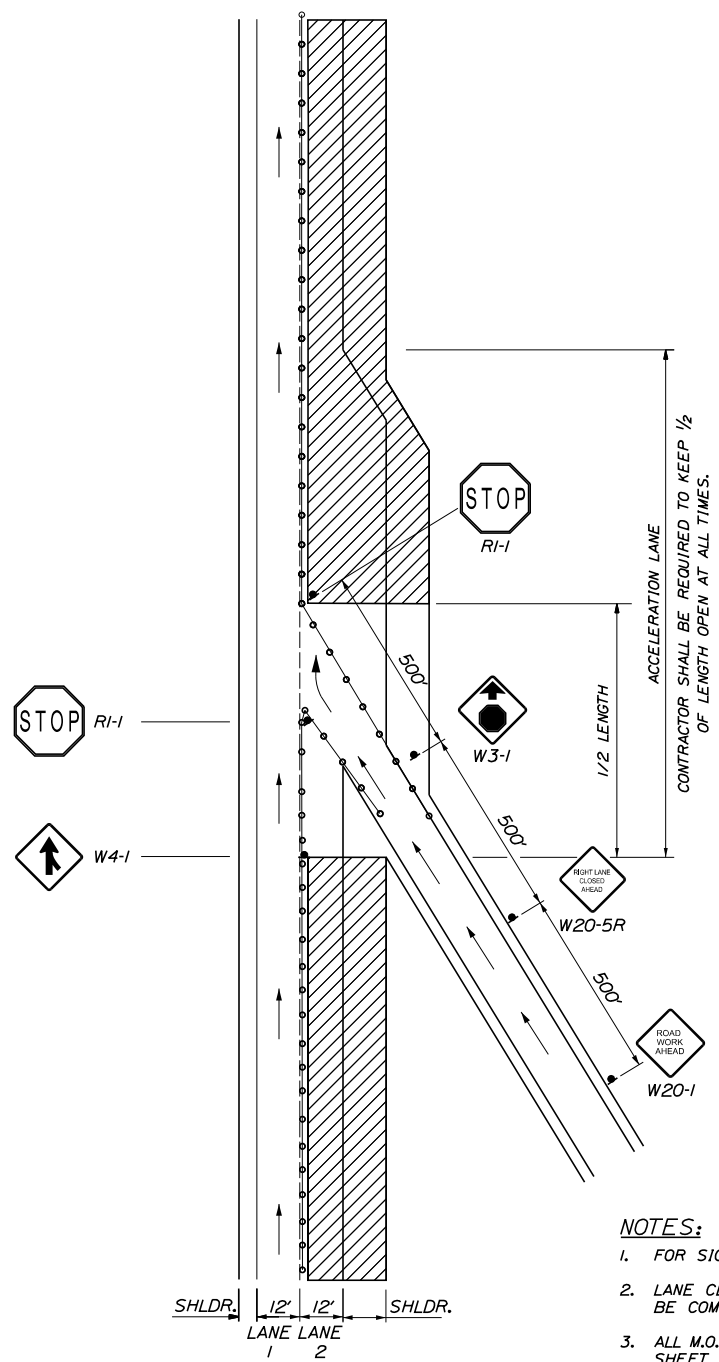
**THE GOLD STAR  
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: Kristi Van Ooven, P.E.

**PAVEMENT REHABILITATION  
AND SAFETY IMPROVEMENTS**

TRAFFIC CONTROL  
LANE CLOSURE AT ENTRANCE RAMP (1 OF 2)

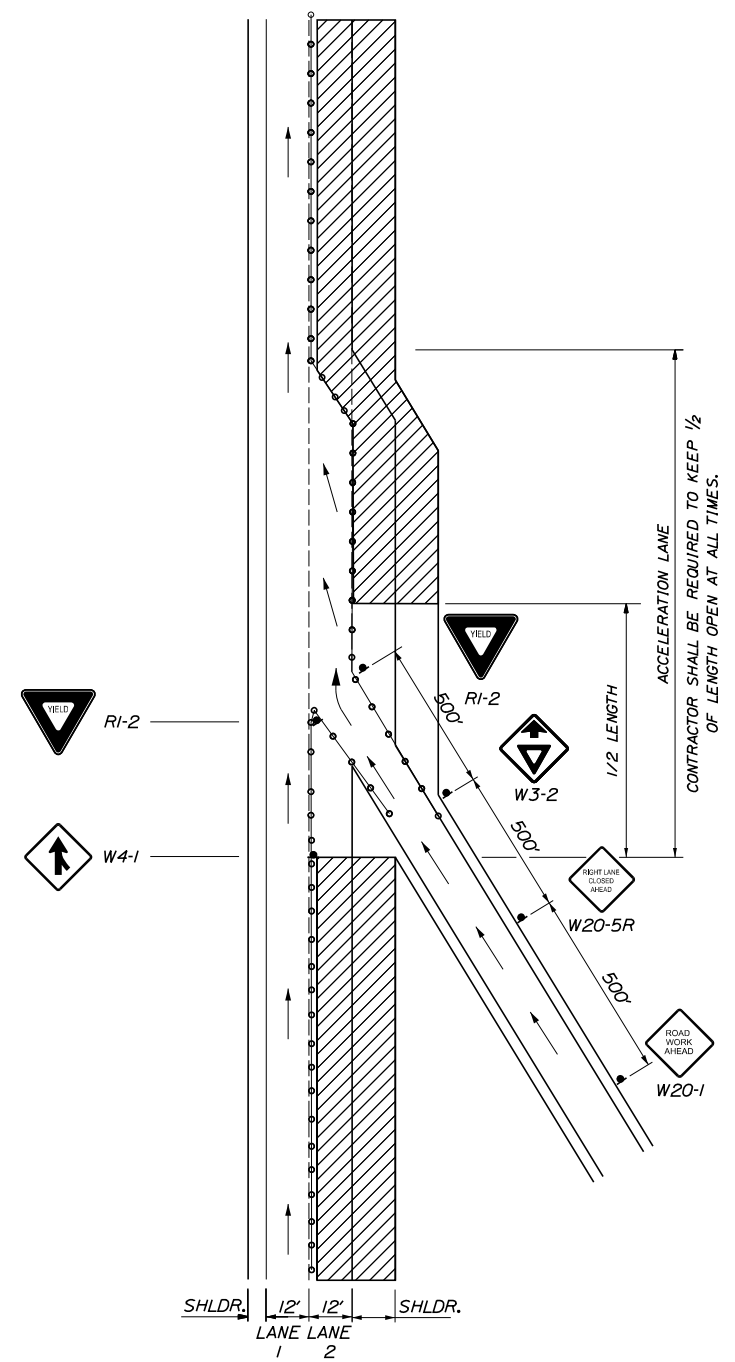
SHEET NUMBER: T-5  
CONTRACT: 2025.03  
18 OF 25



LANE 2 CLOSED  
TRAFFIC IN LANE 1  
ENTERING RAMP OPEN

**NOTES:**

1. FOR SIGN DETAILS, SEE SIGN SUMMARY SHEETS.
2. LANE CLOSURES AT ENTRANCE AND EXIT RAMP MAY BE COMBINED IF APPROVED BY THE RESIDENT.
3. ALL M.O.T. DEVICES AND LOCATIONS NOT NOTED ON THIS SHEET SHALL BE AS NOTED ON "TRAFFIC CONTROL MAINLINE CLOSURE" SHEETS T-1 THROUGH T-2.
4. CONTRACTOR SHALL RELOCATE CONSTRUCTION SIGNS AS DIRECTED BY THE RESIDENT.
5. ALL STOP AND YIELD SIGNS SHALL BE MOUNTED 5 FEET ABOVE THE PAVEMENT.
6. STOP SIGN SHALL ONLY BE USED AS APPROVED BY THE RESIDENT DURING NIGHTTIME OPERATIONS WHEN A 100' (MIN.) ACCELERATION LANE WITH 264' MERGING TAPER CANNOT BE PROVIDED.



LANE 2 CLOSED  
TRAFFIC IN LANE 1  
ENTERING RAMP OPEN

**LEGEND**

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

Scale: NOT TO SCALE

No.	Revision	By	Date

Designed by:

# TYLin

CONSULTANT PROJECT MANAGER: Shawn R. Davis

	By	Date		By	Date
Designed	MJD	8/2024	Checked	JOF	10/2024
Drawn	MJD	8/2024	In Charge of	DWB	12/2024

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**THE GOLD STAR  
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: Kristi Van Ooven, P.E.

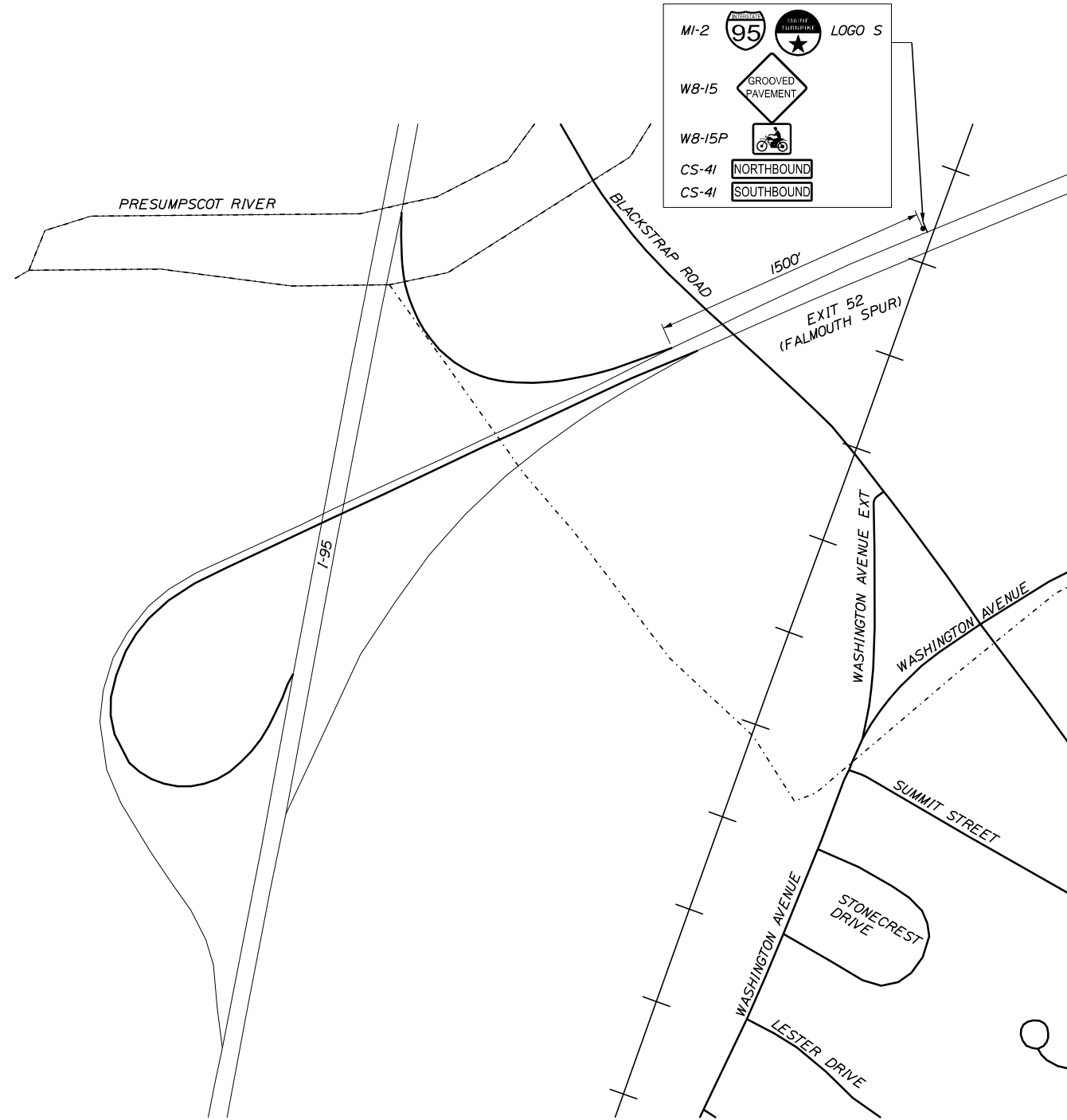
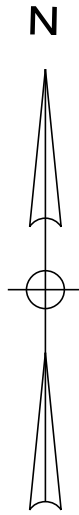
**PAVEMENT REHABILITATION  
AND SAFETY IMPROVEMENTS**

TRAFFIC CONTROL  
LANE CLOSURE AT ENTRANCE RAMP (2 OF 2)

SHEET NUMBER: T-6  
CONTRACT: 2025.03  
19 OF 25

Date: 1/6/2025

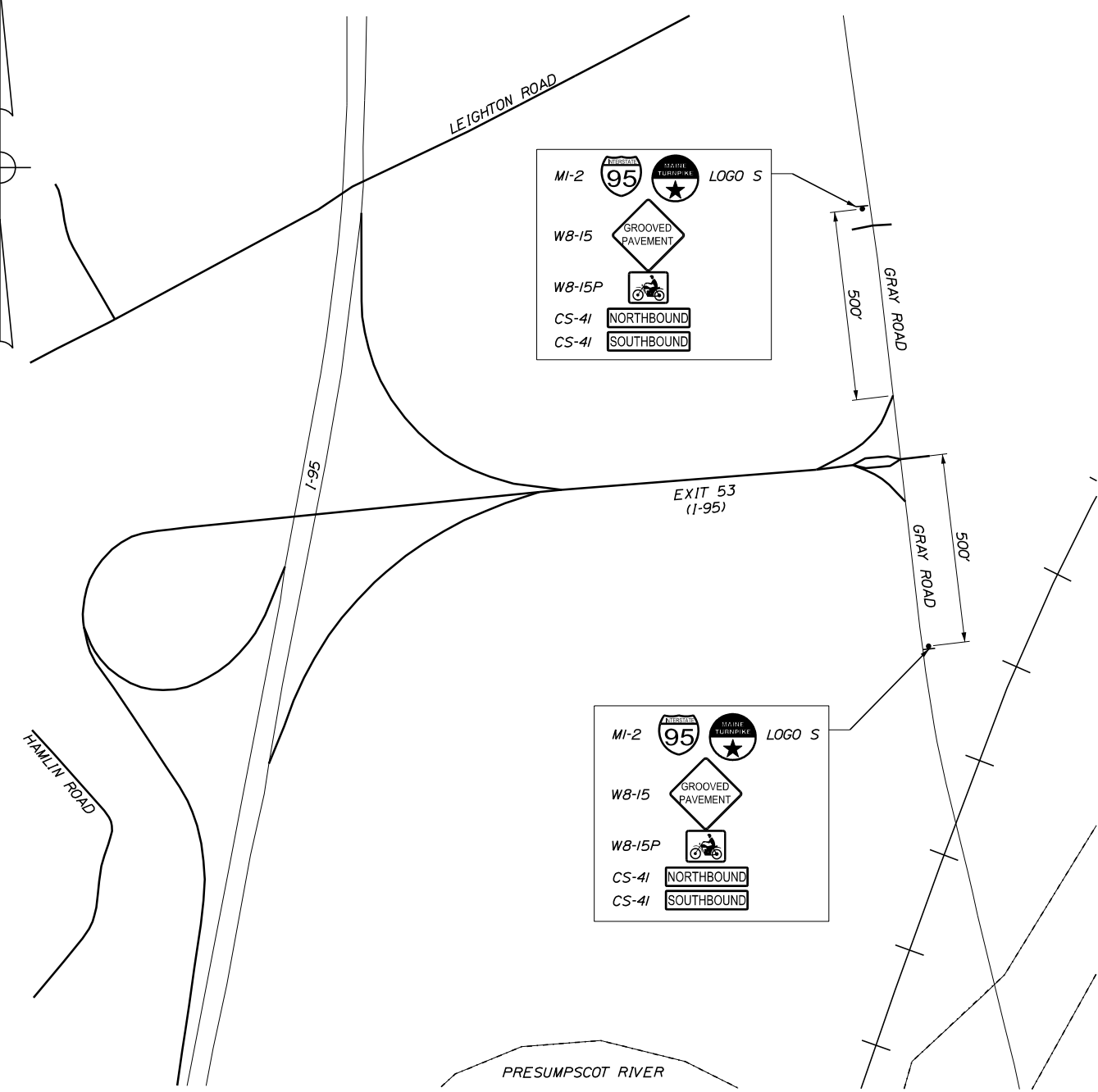
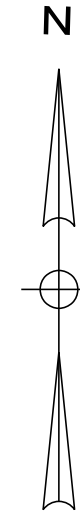
Filename: ...009\_Traffic Control Details.dgn



**EXIT 52 ADVANCED SIGNING  
LOCATIONS FOR MILLING  
AND PAVING OPERATIONS**

**NOTES:**

FOR ALL ADVANCED SIGNING LOCATIONS, ADVANCED WARNING SIGNS SHALL BE PLACED COVERED 24 HOURS IN ADVANCED OF ANY MAINLINE WORK THAT WILL INVOLVE MILLED SURFACES, UNCOVERED BEFORE BEGINNING OF WORK, AND SHALL BE REMOVED OR COVERED WHEN NO MILLED SURFACE IS PRESENT.



**EXIT 53 ADVANCED SIGNING  
LOCATIONS FOR MILLING  
AND PAVING OPERATIONS**

Scale: NOT TO SCALE

No.	Revision	By	Date

Designed by:

**TYLin**

CONSULTANT PROJECT MANAGER: Shawn R. Davis

	By	Date	By	Date	
Designed	MJD	8/2024	Checked	JOF	10/2024
Drawn	MJD	8/2024	In Charge of	DWB	12/2024

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**THE GOLD STAR  
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: Kristi Van Ooven, P.E.

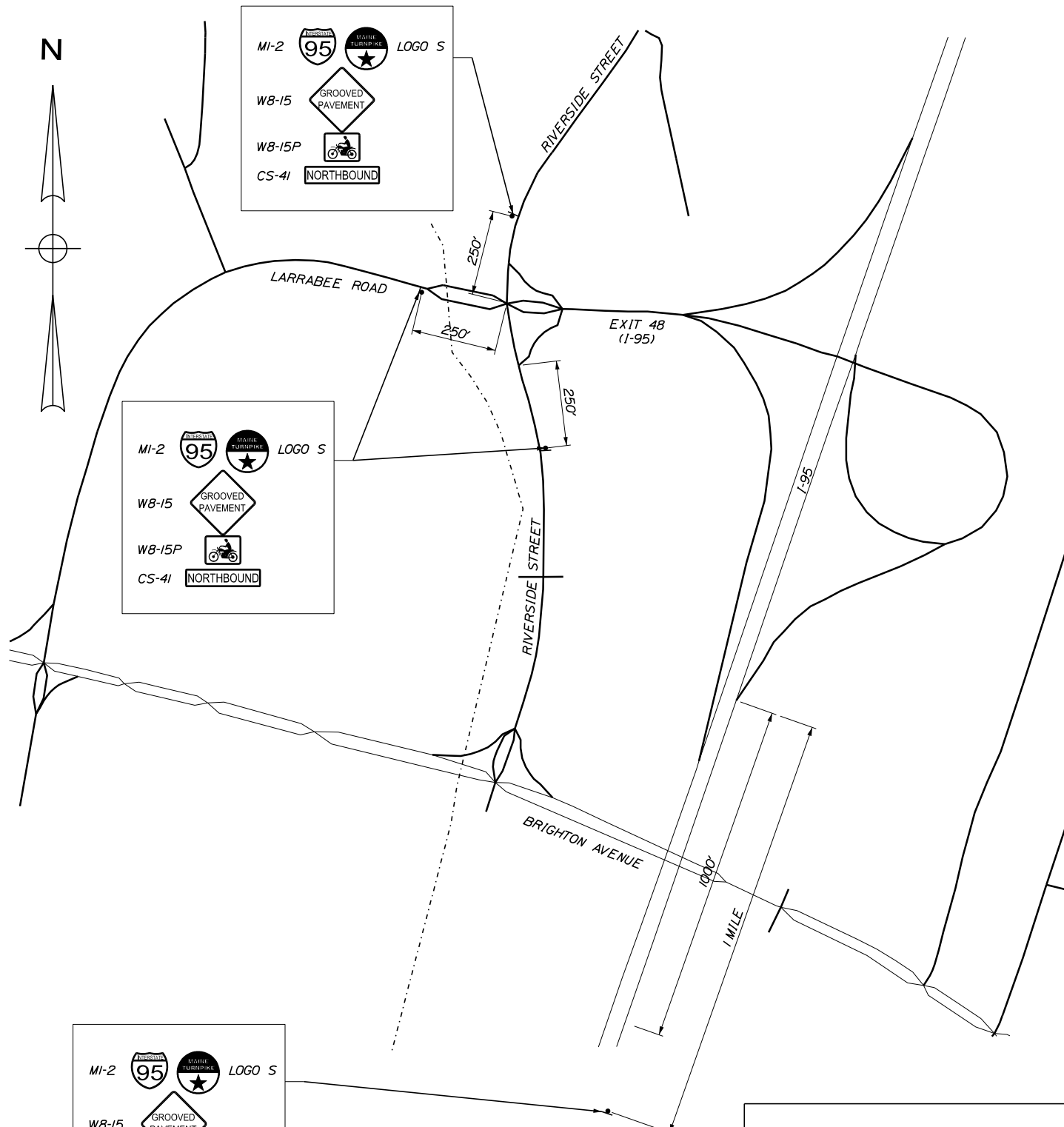
**PAVEMENT REHABILITATION  
AND SAFETY IMPROVEMENTS**

TRAFFIC CONTROL  
ADVANCED SIGNING LOCATIONS (1 OF 3)

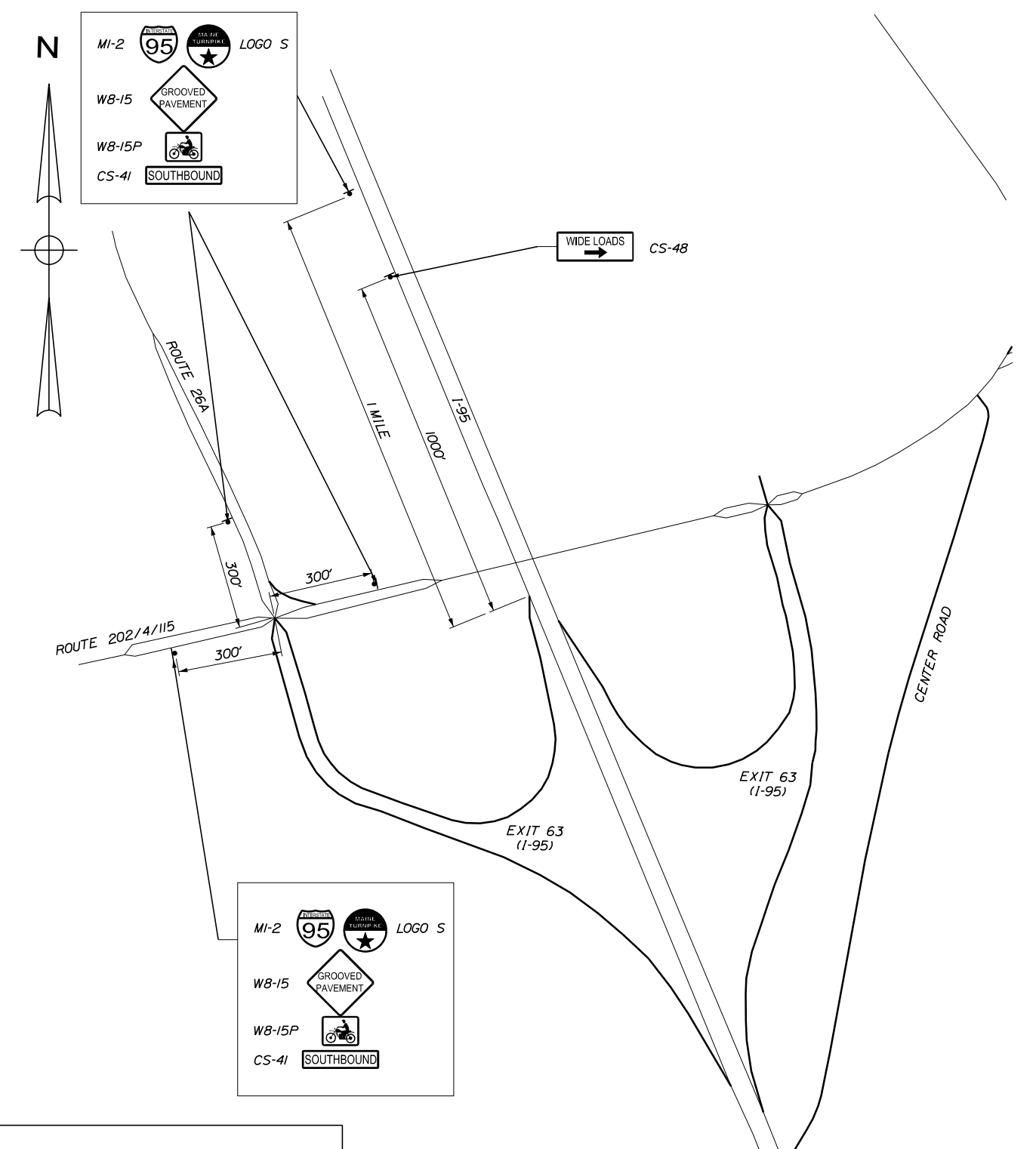
SHEET NUMBER: T-7  
CONTRACT: 2025.03  
20 OF 25

Date: 1/6/2025

Filename: ...009\_Traffic Control Details.dgn



**EXIT 48 ADVANCED SIGNING LOCATIONS FOR MILLING AND PAVING OPERATIONS**



**EXIT 63 ADVANCED SIGNING LOCATIONS FOR MILLING AND PAVING OPERATIONS**

**NOTES:**  
 FOR ALL ADVANCED SIGNING LOCATIONS, ADVANCED WARNING SIGNS SHALL BE PLACED COVERED 24 HOURS IN ADVANCED OF ANY MAINLINE WORK THAT WILL INVOLVE MILLED SURFACES, UNCOVERED BEFORE BEGINING OF WORK, AND SHALL BE REMOVED OR COVERED WHEN NO MILLED SURFACE IS PRESENT.

Scale: NOT TO SCALE

No.	Revision	By	Date


Designed by:

# TYLin

CONSULTANT PROJECT MANAGER: Shawn R. Davis

	By	Date		By	Date
Designed	MJD	8/2024	Checked	JOF	10/2024
Drawn	MJD	8/2024	In Charge of	DWB	12/2024

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**THE GOLD STAR MEMORIAL HIGHWAY**

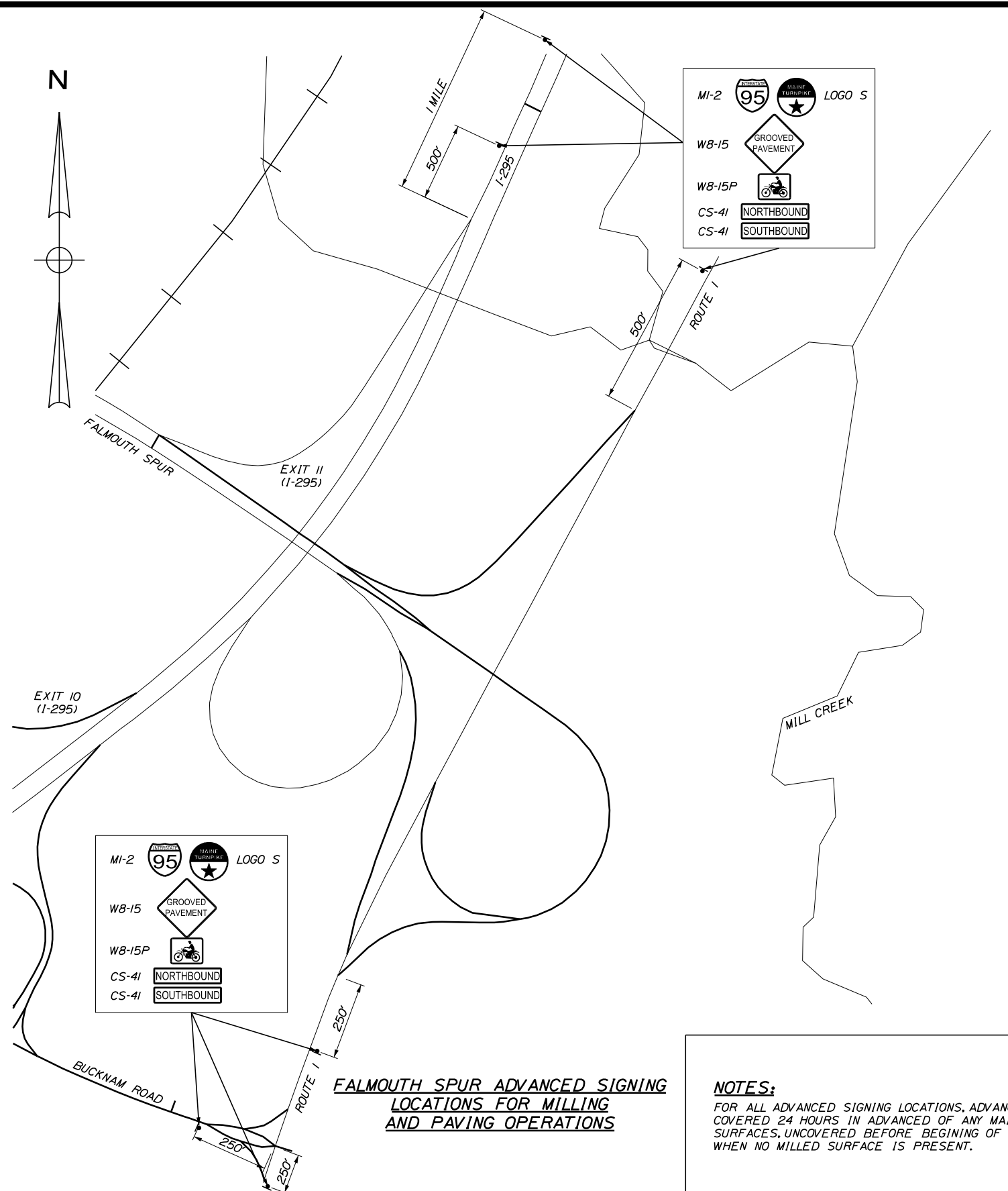
MTA PROJECT MANAGER: Kristi Van Ooven, P.E.

**PAVEMENT REHABILITATION AND SAFETY IMPROVEMENTS**  
 TRAFFIC CONTROL  
 ADVANCED SIGNING LOCATIONS (2 OF 3)

SHEET NUMBER: T-8  
 CONTRACT: 2025.03  
 21 OF 25

Date: 1/6/2025

Filename: ...009\_Traffic Control Details.dwg



**FALMOUTH SPUR ADVANCED SIGNING LOCATIONS FOR MILLING AND PAVING OPERATIONS**

**NOTES:**  
 FOR ALL ADVANCED SIGNING LOCATIONS, ADVANCED WARNING SIGNS SHALL BE PLACED COVERED 24 HOURS IN ADVANCED OF ANY MAINLINE WORK THAT WILL INVOLVE MILLED SURFACES, UNCOVERED BEFORE BEGINING OF WORK, AND SHALL BE REMOVED OR COVERED WHEN NO MILLED SURFACE IS PRESENT.

Scale: NOT TO SCALE

No.	Revision	By	Date

Designed by:

# TYLin

CONSULTANT PROJECT MANAGER: Shawn R. Davis

	By	Date		By	Date
Designed	MJD	8/2024	Checked	JOF	10/2024
Drawn	MJD	8/2024	In Charge of	DWB	12/2024

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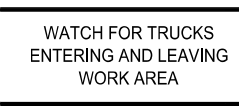

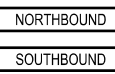


**THE GOLD STAR MEMORIAL HIGHWAY**



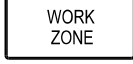






MTA PROJECT MANAGER: Kristi Van Ooven, P.E.

**PAVEMENT REHABILITATION AND SAFETY IMPROVEMENTS**  
 TRAFFIC CONTROL  
 ADVANCED SIGNING LOCATIONS (3 OF 3)

SHEET NUMBER: T-9  
 CONTRACT: 2025.03  
 22 OF 25

Date: 1/6/2025

IDENTIFICATION NUMBER	SIZE OF SIGN		TEXT	TEXT DIMENSIONS (INCHES)			NUMBER OF SIGNS REQUIRED	COLOR		BORDER RADIUS	AREA IN SQUARE FEET	NOTES
	WIDTH	HEIGHT		LETTER HEIGHT	VERTICAL SPACING	ARROW RTE. MKR.		BACK-GROUND	LEGEND BORDER			
CS-3	48"	48"		6" 6" 6"	4" 4"		8	ORANGE	BLACK		16.00 (128)	
CS-11	48"	48"		6" 6" 6"	4" 4"		10	ORANGE	BLACK		16.00 (160)	
CS-19	48"	48"		6" 6" 6"	4" 4"		2	ORANGE	BLACK		16.00 (32)	
CS-33	96"	36"		6" 6" 6"	4" 4"		4	ORANGE	BLACK		24.00 (96)	
CS-38	48"	48"		6" 6" 6"	4" 4"		2	ORANGE	BLACK		16.00 (32)	
CS-41 (NORTH) (SOUTH)	96"	18"		8"	5" 5"		7 7	ORANGE	BLACK		12.00 (72) 12.00 (72)	
E5-1	72"	60"		TEXT DIMENSIONS SHALL CONFORM TO *2004 EDITION - STANDARD HIGHWAY SIGNS - 2012 SUPPLEMENT*			2	GREEN	WHITE		30.00 (60)	
E5-2 (OPEN) (OPEN AHEAD)	60"	48"					2 2	ORANGE	BLACK		20.00 (40) 20.00 (40)	

IDENTIFICATION NUMBER	SIZE OF SIGN		TEXT	TEXT DIMENSIONS (INCHES)			NUMBER OF SIGNS REQUIRED	COLOR		BORDER RADIUS	AREA IN SQUARE FEET	NOTES
	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	ORANGE	BLACK		8.00 (32)	
G20-2	48"	24"					4	ORANGE	BLACK		8.00 (32)	
G20-5aP	48"	24"					8	ORANGE	BLACK		8.00 (64)	
M1-2	24"	24"					10	RED/ BLUE	WHITE		4.00 (36)	
M3-3	24"	12"					2	WHITE	BLACK		2.00 (4)	
R1-1	48"	48"					2	RED	WHITE		16.00 (32)	
R1-2	60"	60"					2	WHITE	RED		12.50 (25)	
R2-1	48"	60"					8	WHITE	BLACK		20.00 (160)	
R2-6aP	48"	24"					8	WHITE	BLACK		8.00 (64)	


**NOTES:**  
 INSTALL G20-5aP, R2-1, AND R2-6aP SIGNS ON POSTS EVERY MILE IN BOTH MEDIAN AND OUTSIDE SHOULDERS. PLACEMENTS SHALL BE COORDINATED WITH LOCATIONS SPECIFIED IN TRAFFIC CONTROL DETAILS

Filename: \\MSTA\018\_MOT\_Sign\_Summary.dgn

Scale: NOT TO SCALE

No.	Revision	By	Date

Designed by:



CONSULTANT PROJECT MANAGER: Shawn R. Davis

By	Date	By	Date
Designed TWA	7/2024	Checked JOF	10/2024
Drawn MJD	7/2024	In Charge of DWB	12/2024

T.Y. Lin International  
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**THE GOLD STAR  
 MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: Kristi Van Ooven, P.E.


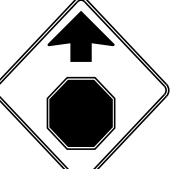



**PAVEMENT REHABILITATION  
 AND SAFETY IMPROVEMENTS**

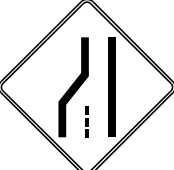

MAINTENANCE OF TRAFFIC  
 SIGN SUMMARY (1 OF 3)

SHEET NUMBER: T-10  
 CONTRACT: 2025.03  
 23 OF 25

Date: 1/6/2025

Filename: \\MSTA\018\_MOT\_Sign\_Summary.dgn


IDENTIFICATION NUMBER	SIZE OF SIGN		TEXT	TEXT DIMENSIONS (INCHES)			NUMBER OF SIGNS REQUIRED	COLOR		BORDER RADIUS	AREA IN SQUARE FEET	NOTES
	WIDTH	HEIGHT		LETTER HEIGHT	VERTICAL SPACING	ARROW RTE. MKR.		BACK-GROUND	LEGEND BORDER			
R2-12	36"	54"	END WORK ZONE SPEED LIMIT	TEXT DIMENSIONS SHALL CONFORM TO "2004 EDITION - STANDARD HIGHWAY SIGNS - 2012 SUPPLEMENT"			8	WHITE	BLACK		13.5 (108)	
W1-4 (RIGHT) (LEFT)	48"	48"					2	ORANGE	BLACK		16.00 (32)	
W3-1	48"	48"					2	ORANGE	BLACK		16.00 (32)	
W3-2	48"	48"					2	ORANGE	BLACK		16.00 (32)	
W3-4	48"	48"	BE PREPARED TO STOP				8	ORANGE	BLACK		16.00 (128)	
W3-5	48"	48"					8	ORANGE	BLACK		16.00 (128)	
W4-1	48"	48"					2	ORANGE	BLACK		16.00 (32)	

IDENTIFICATION NUMBER	SIZE OF SIGN		TEXT	TEXT DIMENSIONS (INCHES)			NUMBER OF SIGNS REQUIRED	COLOR		BORDER RADIUS	AREA IN SQUARE FEET	NOTES
	WIDTH	HEIGHT		LETTER HEIGHT	VERTICAL SPACING	ARROW RTE. MKR.		BACK-GROUND	LEGEND BORDER			
W4-2 (LEFT) (RIGHT)	48"	48"		TEXT DIMENSIONS SHALL CONFORM TO "2004 EDITION - STANDARD HIGHWAY SIGNS - 2012 SUPPLEMENT"			8	ORANGE	BLACK		16.00 (128)	
W8-11	48"	48"	UNEVEN LANES				10	ORANGE	BLACK		16.00 (160)	
W8-15	48"	48"	GROOVED PAVEMENT				15	ORANGE	BLACK		16.00 (256)	
W8-15P	30"	24"					15	ORANGE	BLACK		5.00 (80)	
W16-9p	24"	12"	AHEAD				2	ORANGE	BLACK		2.00 (4)	

Scale: NOT TO SCALE

No.	Revision	By	Date

Designed by:



CONSULTANT PROJECT MANAGER: Shawn R. Davis

	By	Date		By	Date
Designed	TWA	7/2024	Checked	JOF	10/2024
Drawn	MJD	7/2024	In Charge of	DWB	12/2024

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THE GOLD STAR MEMORIAL HIGHWAY





MTA PROJECT MANAGER: Kristi Van Ooven, P.E.

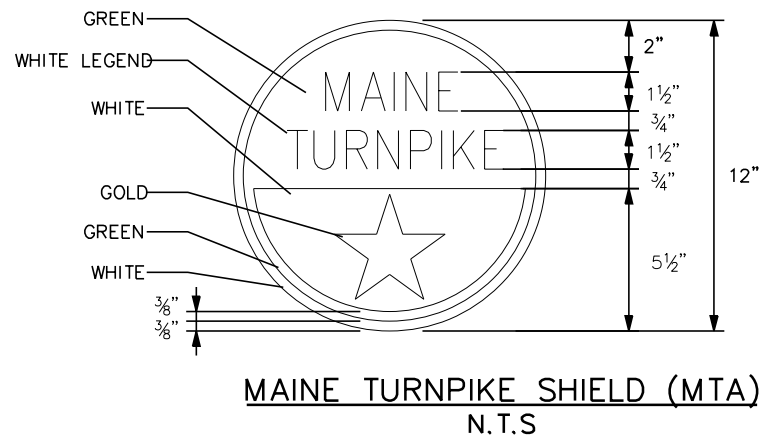
PAVEMENT REHABILITATION AND SAFETY IMPROVEMENTS  
 MAINTENANCE OF TRAFFIC SIGN SUMMARY (2 OF 3)

SHEET NUMBER: T-11  
 CONTRACT: 2025.03  
 24 OF 25



Date:1/6/2025

IDENTIFICATION NUMBER	SIZE OF SIGN		TEXT	TEXT DIMENSIONS (INCHES)			NUMBER OF SIGNS REQUIRED	COLOR		BORDER RADIUS	AREA IN SQUARE FEET	NOTES
	WIDTH	HEIGHT		LETTER HEIGHT	VERTICAL SPACING	ARROW RTE. MKR.		BACK-GROUND	LEGEND BORDER			
W20-1 (1 MILE) (AHEAD)	48"	48"		TEXT DIMENSIONS SHALL CONFORM TO "2004 EDITION - STANDARD HIGHWAY SIGNS - 2012 SUPPLEMENT"			8 7	ORANGE	BLACK		16.00 (128) 16.00 (112)	
W20-5 (LEFT 1/2 MILE) (LEFT AHEAD)	48"	48"					4 4 2	ORANGE	BLACK		16.00 (64) 16.00 (64) 16.00 (32)	
W20-5 (RIGHT 1/2 MILE) (RIGHT AHEAD)	48"	48"					4 4	ORANGE	BLACK		16.00 (64) 16.00 (64)	
LOGO S	24"	24"		SEE DETAIL			10	SEE DETAIL			4.00 (36)	




Filename: ...MSTA\018\_MOT\_Sign\_Summary.dgn

Scale: NOT TO SCALE

No.	Revision	By	Date


Designed by:



CONSULTANT PROJECT MANAGER: Shawn R. Davis

By	Date	By	Date
Designed TWA	7/2024	Checked JOF	10/2024
Drawn MJD	7/2024	In Charge of DWB	12/2024

T.Y. Lin International  
12 Northbrook Drive  
Building A, Suite One  
Falmouth, Maine 04105  
TEL: (207) 781-4721  
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**THE GOLD STAR  
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: Kristi Van Ooven, P.E.

**PAVEMENT REHABILITATION  
AND SAFETY IMPROVEMENTS**

MAINTENANCE OF TRAFFIC  
SIGN SUMMARY (3 OF 3)

SHEET NUMBER: T-12

CONTRACT:2025.03

25 OF 25