

LOCATION MAP



THE GOLD STAR  
MEMORIAL HIGHWAY

## MAINE TURNPIKE AUTHORITY

MICHAEL J. CIANCHETTE, CHAIR  
JANE L. LINCOLN, VICE CHAIR  
THOMAS J. ZUKE, MEMBER  
ANDREW MCLEAN, MEMBER  
NINA A. FISHER, MEMBER  
EMILY BECKER, MEMBER  
BRUCE A. VAN NOTE, MEMBER EX-OFFICIO

ANDRE J. BRIERE, EXECUTIVE DIRECTOR

## CONTRACT 2025.12 SLOPE AND DRAINAGE REPAIRS MM 0.00 to 109.10

### INDEX OF SHEETS

SHEET NO.	SHEET NO.	DESCRIPTION
1		TITLE SHEET
2	C-1	ESTIMATED QUANTITIES AND GENERAL NOTES
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4	P-2	DRAINAGE DETAILS I
5	P-3	DRAINAGE DETAILS II
6	P-4	EROSION CONTROL DETAILS
7-12	P-5-10	SITE PLANS
13	P-11	MM 2.7 DETAILS

APPROVED:

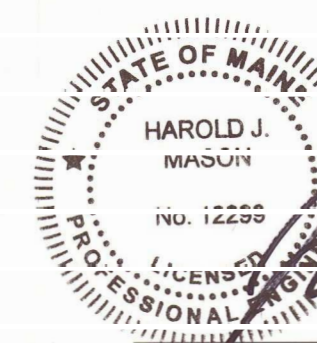
MAINE TURNPIKE AUTHORITY



STEPHEN R. TARTRE, P.E.  
CHIEF ENGINEER / DIRECTOR OF ENGINEERING

DATE

5/6/25



HAROLD JAMES MASON, P.E.  
CONSTRUCTION PROJECT MANAGER

DATE

5-6-25

CONTRACT 2025.12



K:\Contracts\2025 Construction Project Files\2025.12 Exit 103 Slope Repairs and Miscellaneous Slope Repairs\Project Development\60%CAD print date 5/6/2025

ESTIMATED QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY TOTAL
203.20	Common Excavation	CY	35.00
304.10	Aggregate Subbase Course Gravel	CY	25.00
459.06	Bituminous Concrete Waterway, Type I	EA	2.00
602.40	Pumped Grout Fill	CY	3.00
603.159	12 inch Culvert Pipe Option III	LF	154.00
603.229	42 inch Culvert Pipe Option III	LF	14.00
603.28	Concrete Collar	EA	2.00
604.242	Catch Basin Type F3	EA	1.00
604.244	Catch Basin Type F4	EA	1.00
610.08	Plain Riprap	CY	55.00
613.319	Erosion Control Blanket	SY	1,000.00
615.07	Loam	CY	18.00
618.1401	Seeding Method Number 2, Plan Quantity	UNIT	5.00
619.1201	Mulch, Plan Quantity	UNIT	5.00
619.1202	Temporary Mulch	LS	1.00
620.58	Erosion Control Geotextile	SY	95.00
629.05	Hand Labor, Straight Time	HR	10.00
631.12	All Purpose Excavator (including operator)	HR	10.00
631.172	Truck - Large (including operator)	HR	10.00
631.36	Foreman	HR	10.00
631.37	Earthwork Crew (slope/pipe repairs)	HR	24.00
656.50	Baled Hay, in place	EA	15.00
656.632	30 inch Temporary Silt Fence	LF	50.00
659.10	Mobilization	LS	1.00
659.101	Mobilization (crew)	Shift	3.00
659.102	Mobilization (lowbed equipment)	HR	5.00

GENERAL NOTES



- EXISTING UTILITIES ON THESE PLANS WERE COMPLIED 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, NO 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 TALL 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 CALL FOR IN THE PROJECT. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- ALL WORK AND MATERIALS REQUIRED TO REMOVE AND REPLACE CATCH BASINS SHALL BE INCLUDED IN THE 604.24 ITEM, CATCH BASIN TYPE F4.
- ALL EXCAVATION SHALL FALL UNDER HOURLY RENTAL ITEM 631.12, ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)
- MTA WILL PROVIDE ALL TRAFFIC CONTROL
- THE LOAM, SEED AND EROSION CONTROL BLANKET CAN NOT BE PLACED UNTIL THE BITUMINOUS CURB IS INSTALLED, WHICH IS CONTRACT 2025.14 AND TO BE INSTALLED BY AUGUST 15, 2025.
- TYPICAL LOAM DEPTH IS 4 INCHES NOMINAL.

DRAINAGE NOTES

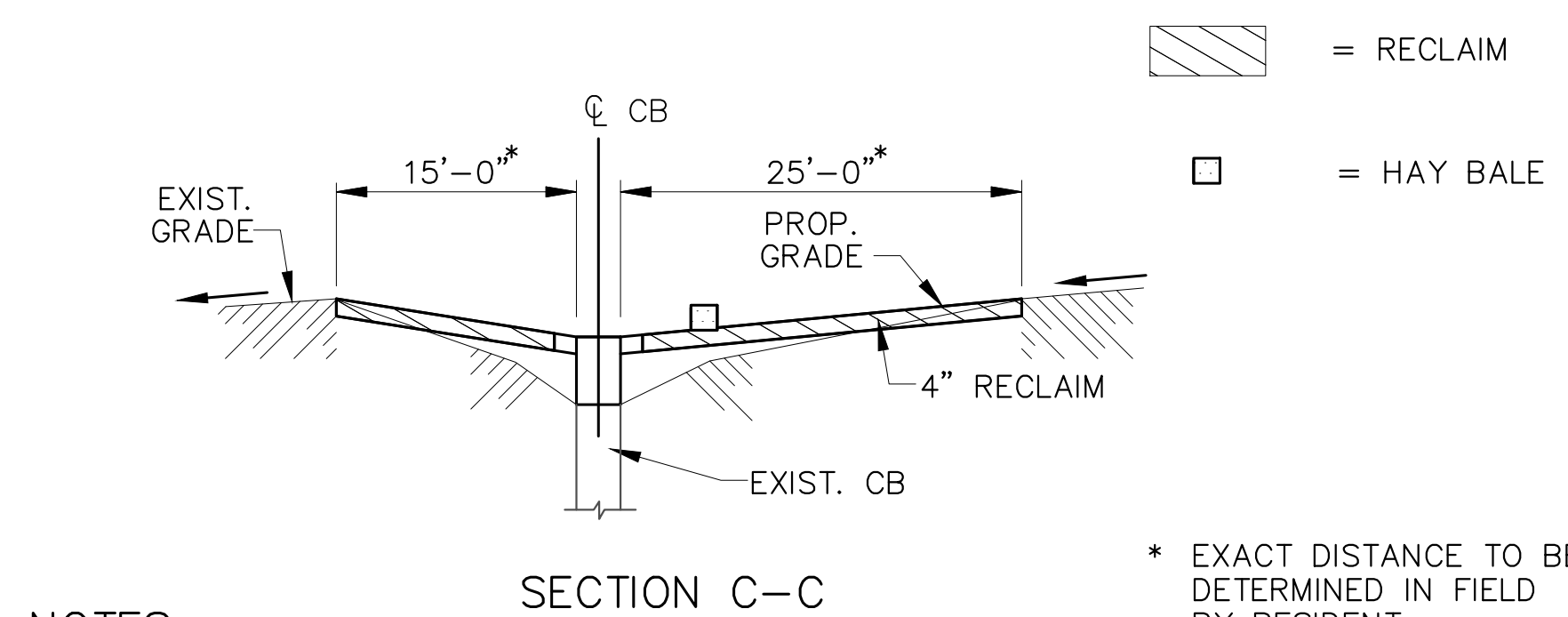
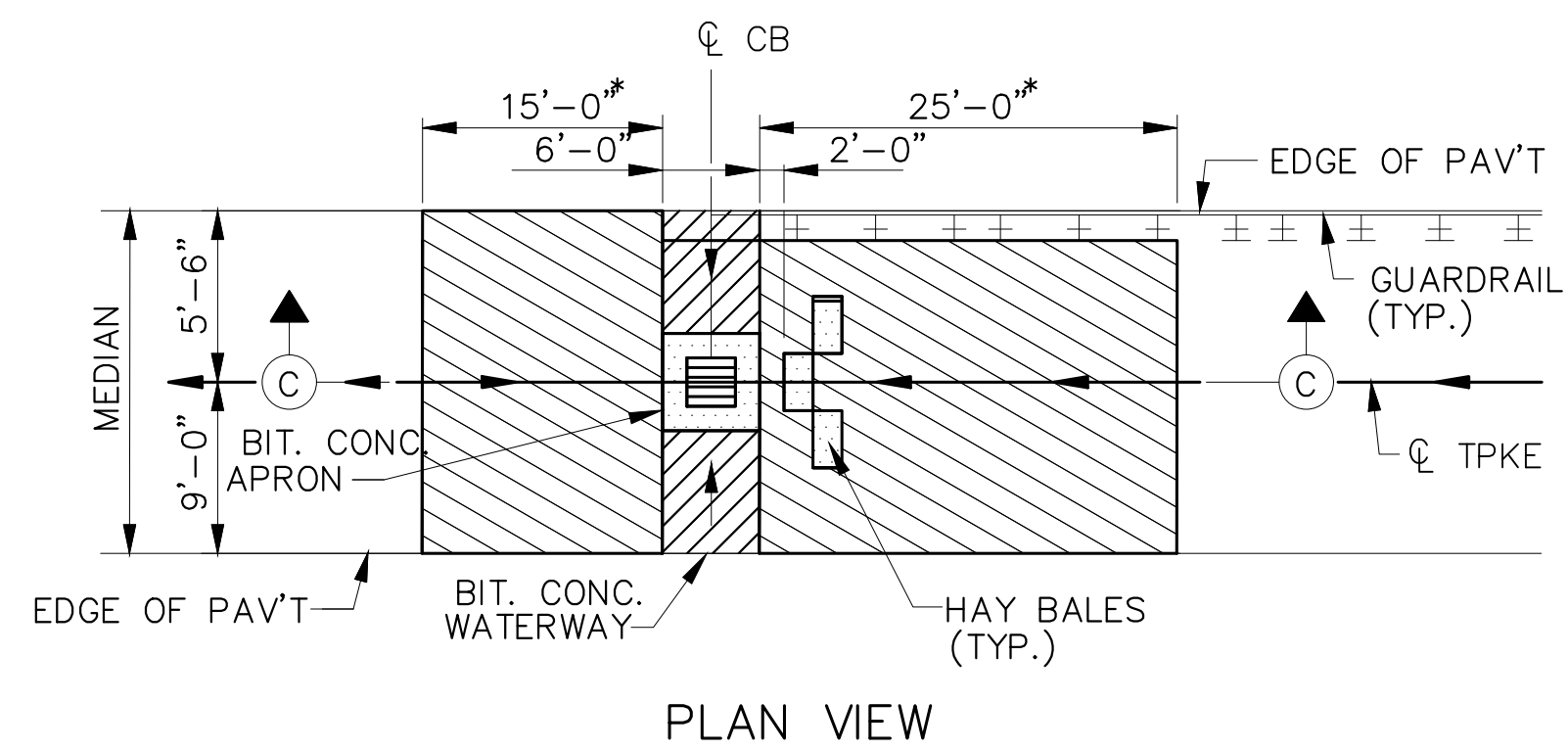
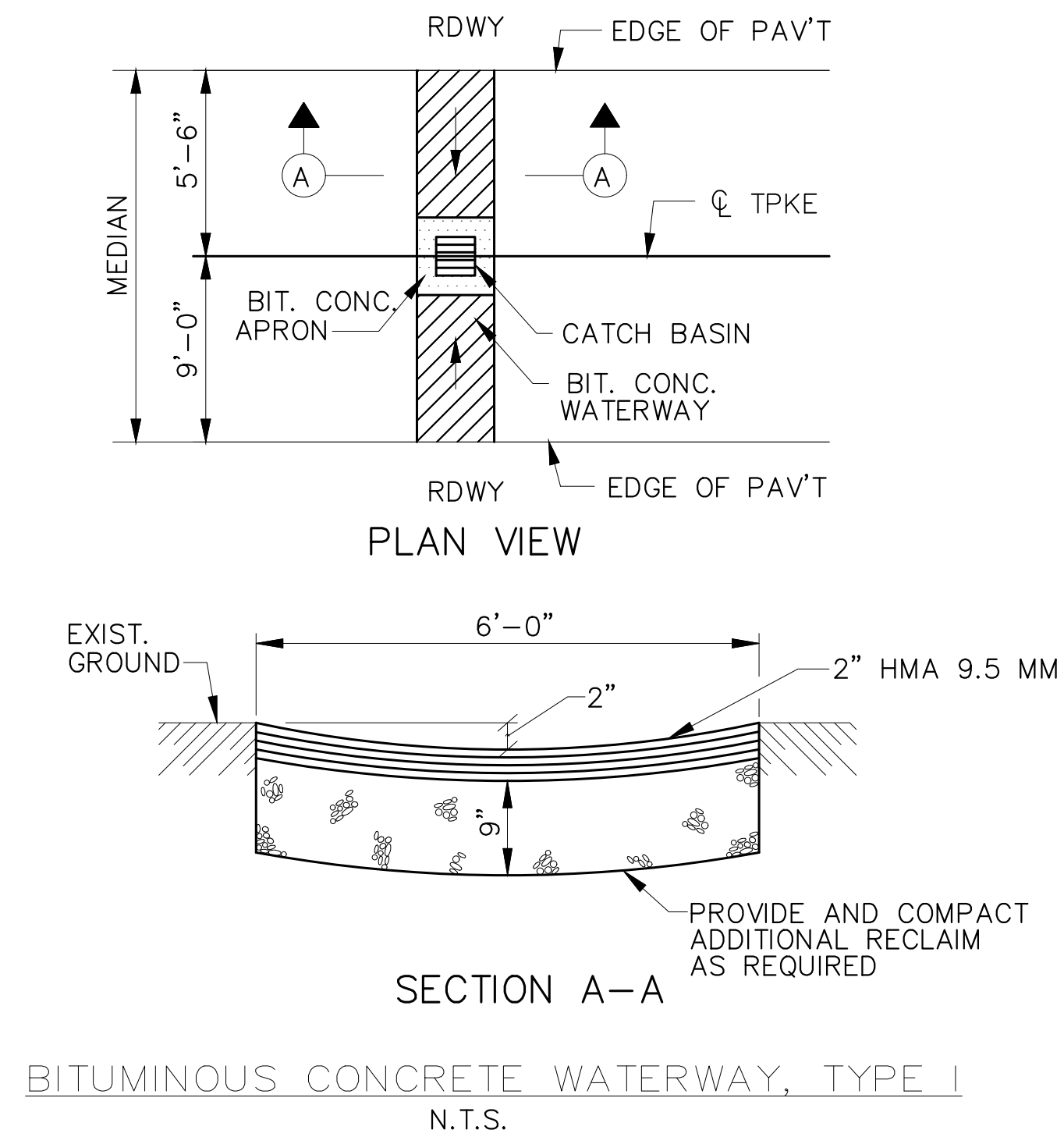
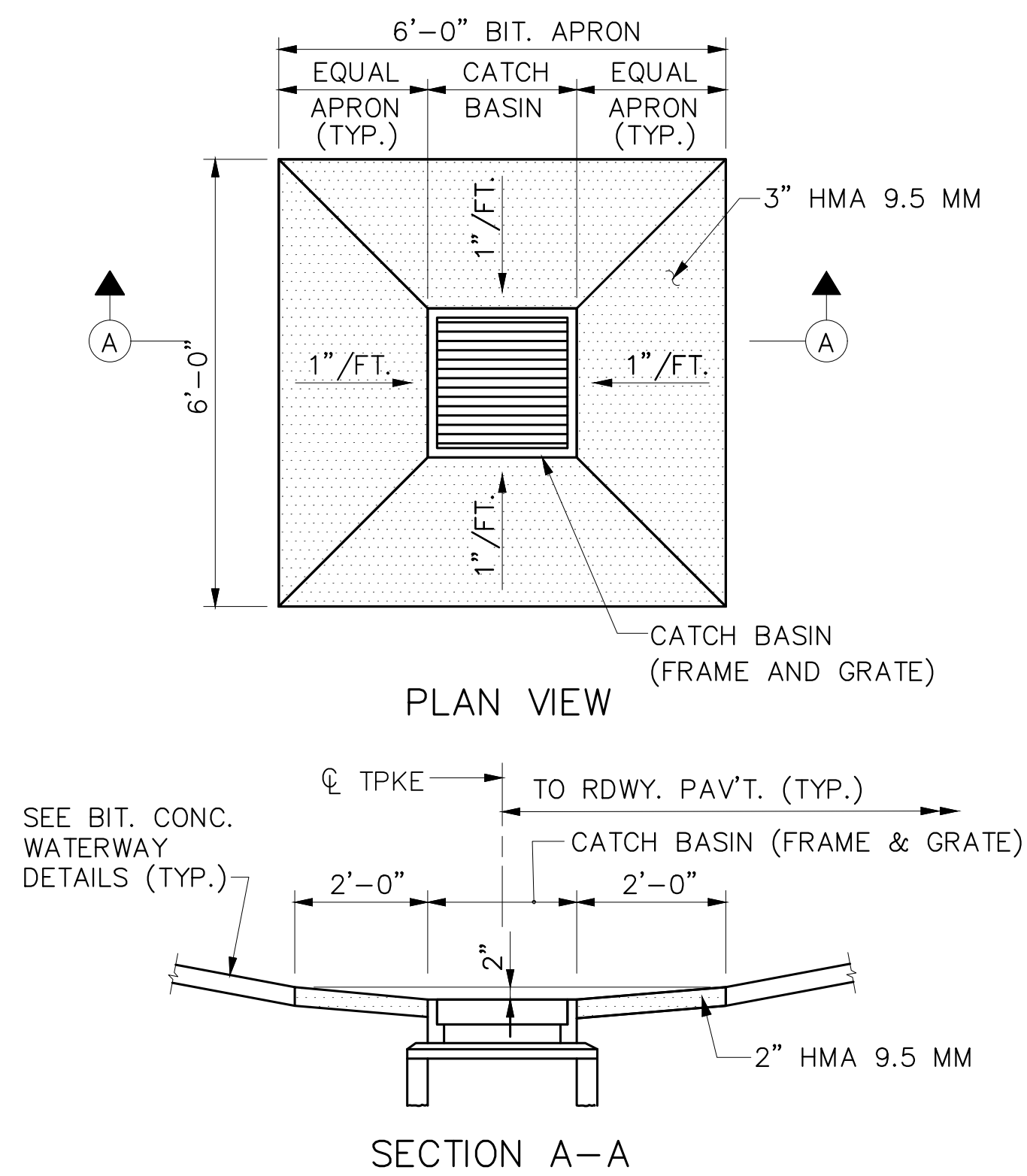
- NO EXISTING DRAINAGE SHALL BE ABANDONED, REMOVED OR PLUGGED WITHOUT APPROVAL OF THE RESIDENT.
- DRAINAGE WORK CONSISTS OF RCP PIPE END REPAIRS, EXCAVATION AND CATCH BASIN REPLACEMENT.

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.
- EROSION CONTROL REPAIRS CONSIST OF BASIC SLOPE EROSION AND WASHOUT REPAIRS.

Scale:  NOT TO SCALE				Designed by: <div></div>				MAINE TURNPIKE AUTHORITY 2360 Congress Street Portland, ME 04102 TEL (207) 871-7771 FAX (207) 879-5567				<div></div> <div>THE GOLD STAR MEMORIAL HIGHWAY</div>				ESTIMATED QUANTITIES AND GENERAL NOTES			
No.	Revision			By	Date														
						By	Date			By	Date								
					Designed	JRL	04/30/25		Checked	HJM	04/30/25								
					Drawn	BMB	04/30/25		In Charge of	SRT	04/30/25								
																SHEET NUMBER: C-1			
																CONTRACT: 2025.12			
																2 of 13			



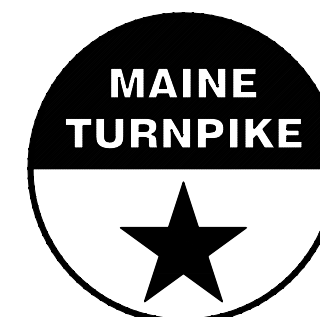


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# THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Harold James Mason, P.E.

DRAINAGE DETAILS I

SHEET NUMBER: P-2

CONTRACT: 2025.12
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DIMENSIONS FOR SLOPE OF 2:1

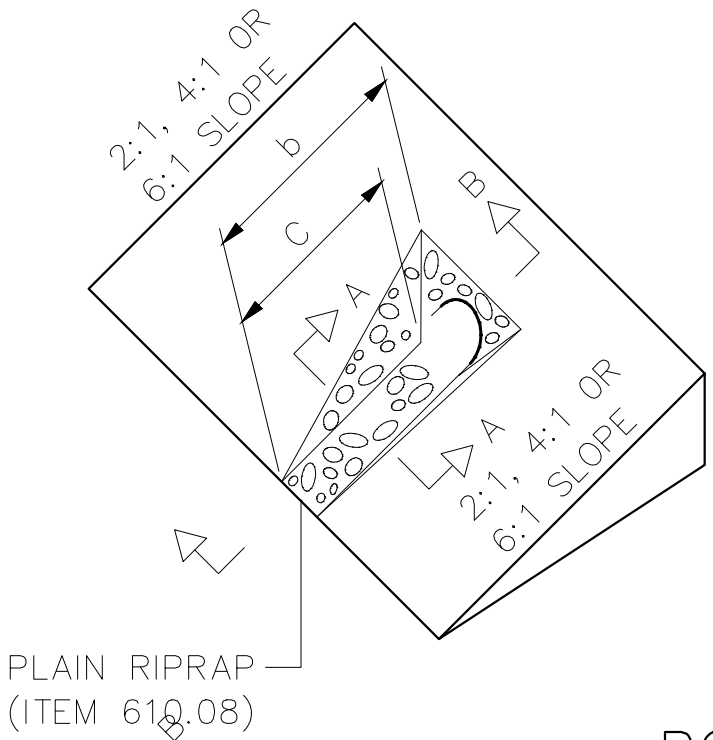
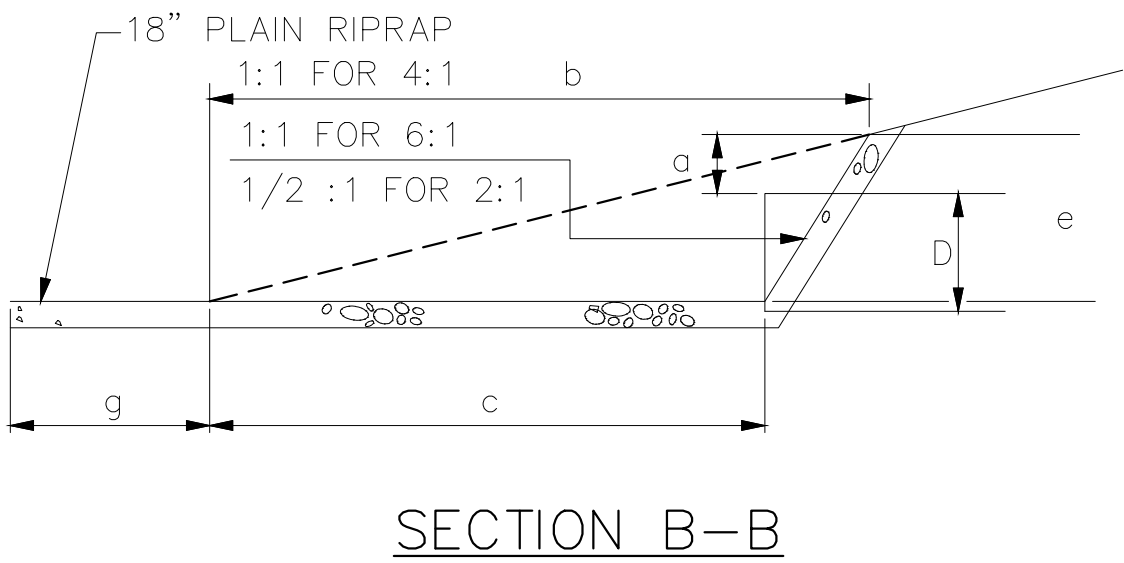
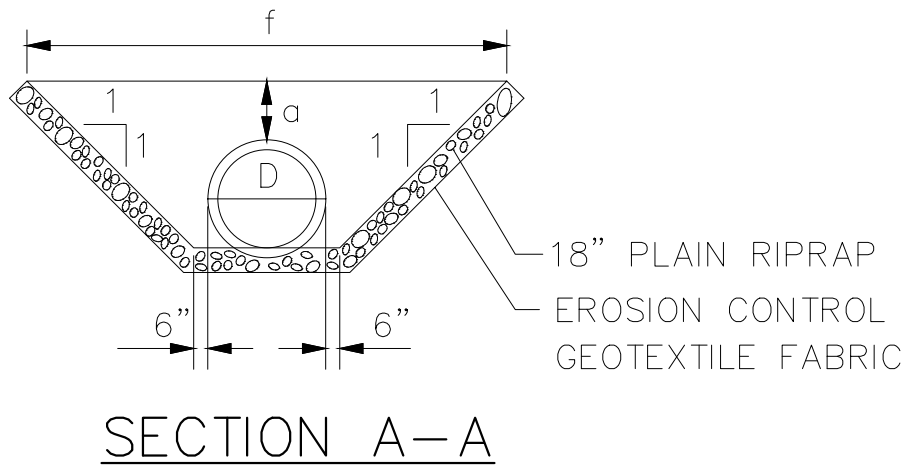
D	A (FT)	B (FT)	C (FT)	E (FT)	F (FT)	G (FT)	STONE DEPTH (FT)	STONE (CY)
12"	1.00	4.00	3.00	2.00	6.00	1.00	1.50	1.30
15"	1.00	4.50	3.37	2.25	6.75	1.63	1.50	1.70
18"	1.00	5.00	3.75	2.50	7.50	2.25	1.50	2.09
24"	1.00	6.00	4.50	3.00	9.00	3.50	1.50	3.12
30"	1.00	7.00	5.25	3.50	10.50	4.75	1.50	4.33

DIMENSIONS FOR SLOPE OF 4:1

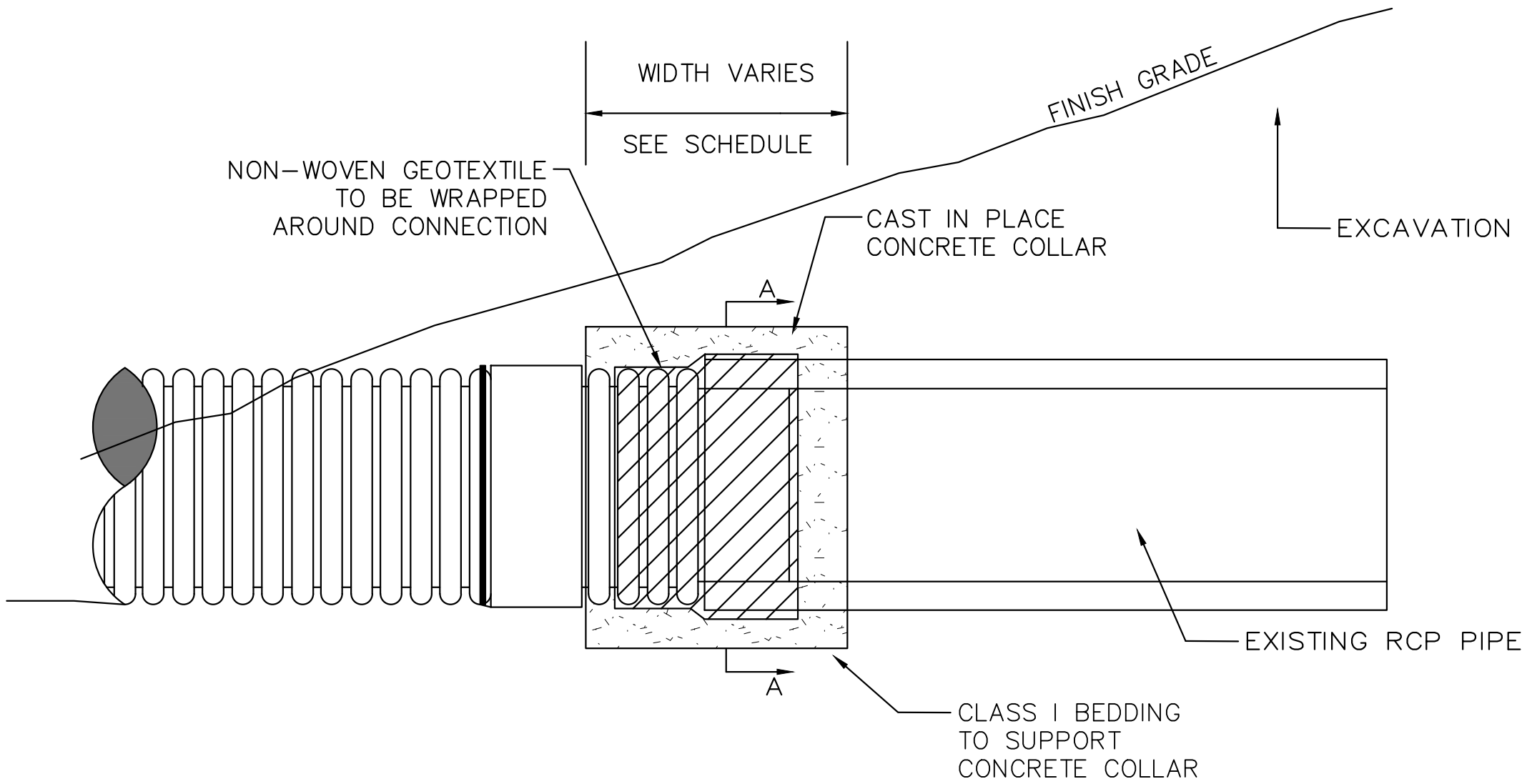
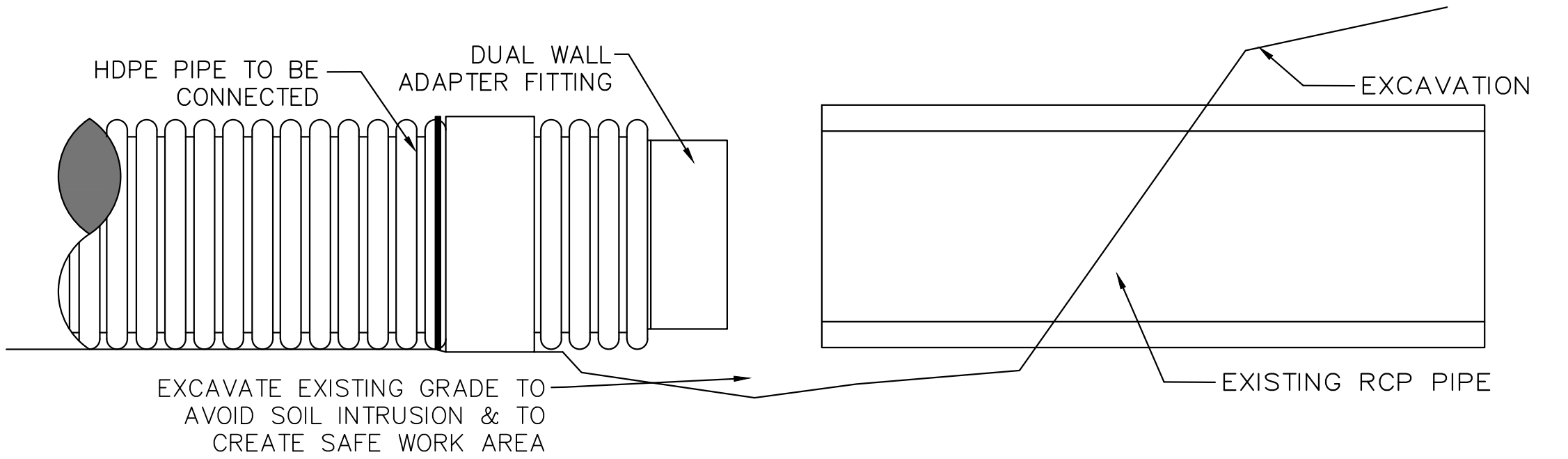
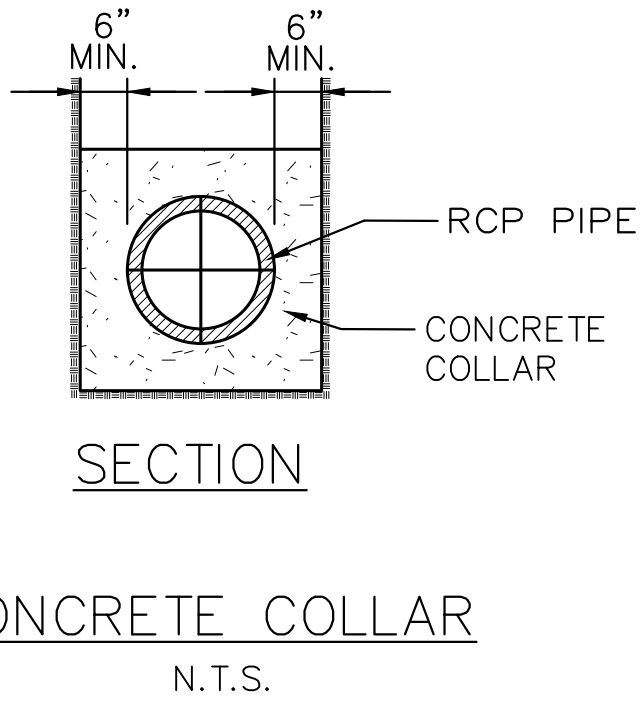
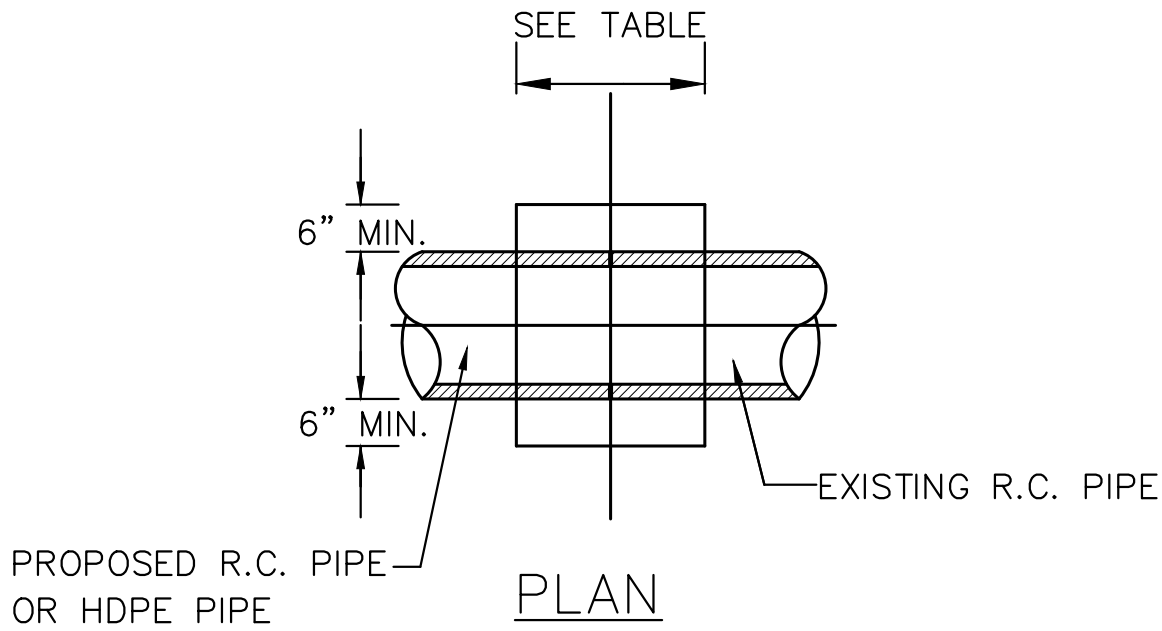
D	A (FT)	B (FT)	C (FT)	E (FT)	F (FT)	G (FT)	STONE DEPTH (CY)	STONE (CY)
12"	1.00	8.00	6.00	2.00	6.00	0.00	1.50	2.20
15"	1.00	9.00	6.75	2.25	6.75	0.00	1.50	2.80
18"	1.00	10.00	7.50	2.50	7.50	0.00	1.50	3.40
24"	1.00	12.00	9.00	3.00	9.00	0.00	1.50	4.86
30"	1.00	14.00	10.50	3.50	10.50	0.00	1.50	6.58

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



ROADWAY CULVERT END  
SLOPE TREATMENT  
N.T.S.




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

- 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.


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No.	Revision	By	Date

Designed by:  


	By	Date		By	Date
Designed	JRL	04/30/25	Checked	HJM	04/30/25
Drawn	BMB	04/30/25	In Charge of	SRT	04/30/25

MAINE TURNPIKE AUTHORITY  
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THE GOLD STAR  
MEMORIAL HIGHWAY

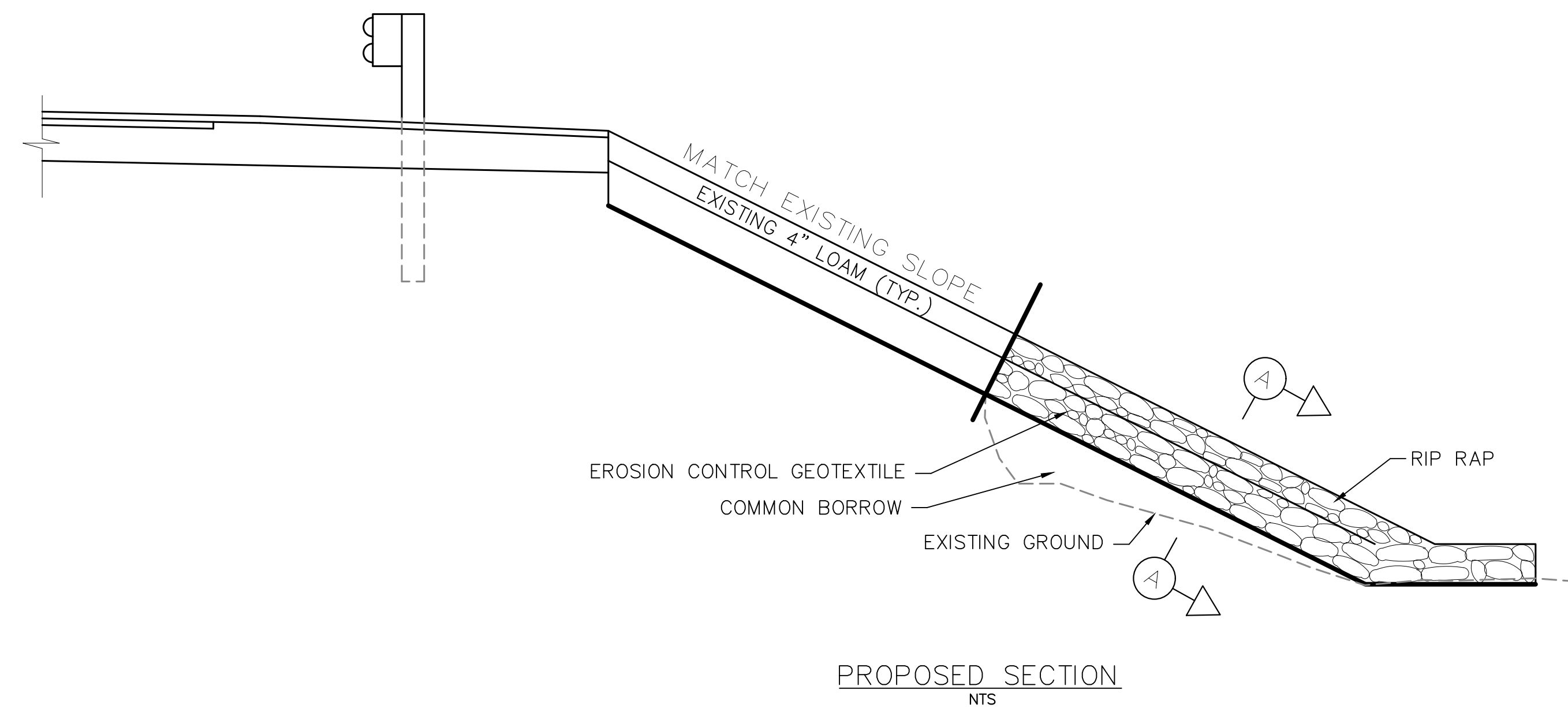
MTA PROJECT MANAGER: Harold James Mason, P.E.

DRAINAGE DETAILS II

SHEET NUMBER: P-3

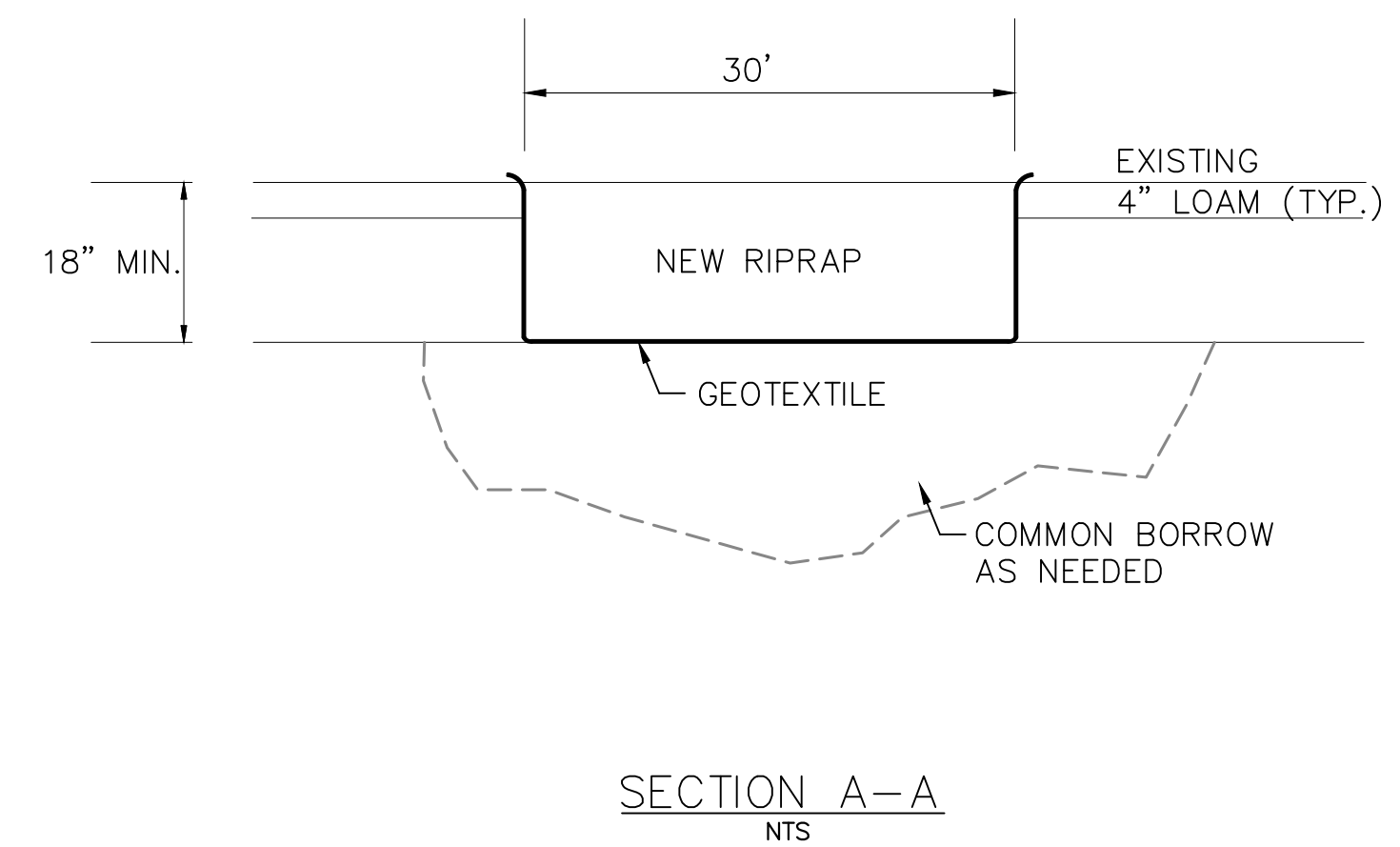
CONTRACT: 2025.12

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NOTE:

STONE FOR STONE DOWNSPOUTS SHALL MEET THE REQUIREMENTS OF MDOT SPECIFICATION 703.29 AND WILL BE PAID FOR UNDER ITEM 610.08, PLAIN RIPRAP.



## CONSTRUCTION ELEMENTS AND GENERAL SEQUENCE

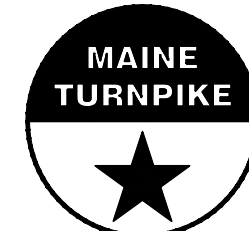
1. REMOVE EXISTING MATERIAL UP TO 1' OR UNTIL APPROPRIATE BASE IS REACHED, WHICHEVER IS LESS. APPROPRIATE BASE TO BE DETERMINED BY RESIDENT.
2. ADD ADDITIONAL COMMON BORROW INCIDENTAL TO RIP RAP.
3. PLACE RIP RAP ON GEOTEXTILE.

SLOPE REPAIR DETAILS EXIT 103 SB OFF RAMP  
N.T.S.

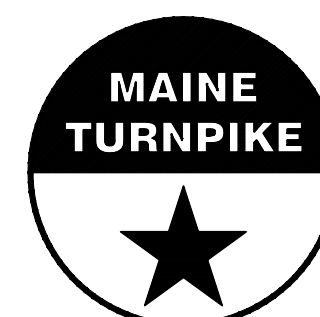
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# THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Harold James Mason, P.E.

## EROSION CONTROL DETAILS

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SHEET NUMBER: P -4

CONTRACT: 2025.12
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<div><div></div><div>MAINE TURNPIKE</div></div>								
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THE GOLD STAR  
MEMORIAL HIGHWAY


MTA PROJECT MANAGER: Harold James Mason, P.E.

SITE PLAN WEST GARDINER ORT	
SHEET NUMBER: P - 5	
CONTRACT: 2025.12	7 of 13





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THE GOLD STAR  
MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Harold James Mason, P.E.

SITE PLAN II  
EXIT 103 SOUTHBOUND OFF RAMP

CONTRACT: 2025.12

SHEET NUMBER: P - 6





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# THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Harold James Mason, P.E.

SITE PLAN III MM 100.4 STA. 5127+20 NB	
SHEET NUMBER: P - 7	
CONTRACT: 2025.12	9 of 13

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THE GOLD STAR  
MEMORIAL HIGHWAY


MTA PROJECT MANAGER: Harold James Mason, P.E.

SITE PLAN V MM 21.9 STA. 1028+87 MEDIAN	
SHEET NUMBER: P - 8	
CONTRACT: 2025.12	10 of 13






Scale:			
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# THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Harold James Mason, P.E.

SITE PLAN VI MM 10.0 STA. 407+56 MEDIAN	
CONTRACT: 2025.12	SHEET NUMBER: P - 9 11 of 13





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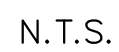
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THE GOLD STAR  
MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Harold James Mason, P.E.

SITE PLAN VII MM 2.7 STA. 74+40 MEDIAN	
SHEET NUMBER: P - 10	
CONTRACT: 2025.12	12 of 13





1. SAWCUTTING AND CORING INTO EXISTING CATCH BASIN SHALL BE INCIDENTAL TO THE PIPE.
2. CONTRACTOR SHALL NOT UNDERMINE GRAVEL AND PAVEMENT OF ADJACENT SHOULDER.
3. CONTRACT 2025.14 SHALL FINE GRADE AND PAVE DISTURBED MEDIAN.

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