TRAFFIC SIGNAL NOTES

1. ALL SIGNAL HEADS SHALL BE EQUIPPED WITH LED LENSES 12 INCHES IN DIAMETER WITH 5-INCH LOUVERED BACK PLATES AND 2-INCH RETROREFLECTIVE BACK PLATES.

2. ALL NEW SIGNAL HEADS SHALL BE FIX MOUNTED TO MAST ARMS WITH ASTROBRACKETS.

3. THE CONTRACTOR SHALL MEET ALL UTILITY REQUIREMENTS FOR NEW SERVICE CONNECTIONS.

4. ALL SPLICES WILL BE MADE IN THE CABINETS MEETING MAINEDOT SPECIFICATIONS.

5. THE BOTTOM OF THE HOUSING OF NEW SIGNAL FACES SHALL BE AT LEAST 16 FEET BUT NOT MORE THAN 19 FEET ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE ROADWAY.

6. TWO COPIES OF THE AS-BUILT PLANS, WIRING DIAGRAMS, BOX PRINTS, AND EQUIPMENT MANUALS SHALL BE LEFT IN EACH OF THE CONTROLLER CABINETS.

7. THE CONTRACTOR IS RESPONSIBLE FOR FINDING EXACT LOCATIONS OF UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL CONTACT DIG-SAFE AND APPROPRIATE AUTHORITIES PRIOR TO ANY SURFACE ACTIVITIES.

8. TRAFFIC SIGNAL WORK SHALL BE COMPLETED IN A MANNER AND ORDER THAT WILL CAUSE THE MINIMUM DISRUPTION TO TRAFFIC. EXISTING SIGNAL OPERATIONS SHALL REMAIN IN SERVICE UNTIL THE NEW SIGNAL CONTROLLER IS READY TO GO ONLINE.

9. THE ENGINEER SHALL HAVE THE RIGHT AND AUTHORITY TO DETERMINE THE ACCEPTABILITY OF WORK AND MATERIALS IN PROGRESS OR COMPLETED AND SHALL HAVE THE RIGHT TO REJECT ANY WORK OR MATERIALS WHICH DO NOT CONFORM, IN ITS SOLE OPINION, TO THE PLANS OR SPECIFICATIONS.

10. ALL SIGNING, SIGNAL, AND STRIPING MATERIALS AND PLACEMENT SHALL CONFORM TO THE MAINEDOT STANDARD SPECIFICATIONS, SUPPLEMENTAL SPECIFICATIONS, STANDARD DETAILS, AND WITH THE FEDERAL HIGHWAY ADMINISTRATION "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD).

11. ANY RELOCATIONS OR ADJUSTMENTS OF THE UTILITY FACILITIES WILL BE MADE BY THE RESPECTIVE UTILITIES IN COORDINATION WITH THE WORK OF THE CONTRACTOR.

12. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY NECESSARY OPENING PERMITS.

13. MAINTENANCE OF TRAFFIC SHALL BE PER MUTCD.

14. DRIVEWAY AND PEDESTRIAN ACCESSES SHALL BE MAINTAINED AT ALL TIMES.

15. THE CONTRACTOR SHALL PROVIDE THE ENGINEER AND THE TOWN OF FALMOUTH WITH A SCHEDULE OF WORK FOR CONSTRUCTING THE TRAFFIC IMPROVEMENTS PRIOR TO THE COMMENCEMENT OF WORK.

16. ALL MATERIAL SCHEDULES SHOWN ON THE PLANS ARE FOR GENERAL INFORMATION ONLY. THE CONTRACTOR SHALL PREPARE HIS OWN MATERIAL SCHEDULES BASED UPON HIS PLAN REVIEW. ALL SCHEDULES SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO ORDERING MATERIALS OR PERFORMING WORK.

17. ALL NON-PAVED AREAS DISTURBED DURING CONSTRUCTION SHALL BE LOAMED AND SEEDED WITH METHOD NO. 1, UNLESS OTHERWISE DIRECTED BY THE OWNER, AND THIS COST SHALL BE INCIDENTAL TO OTHER WORK ITEMS. ALL PAVED AREAS DISTURBED DURING CONSTRUCTION SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

18. CONTROLLER EQUIPMENT:
- ALL MAJOR COMPONENTS OF THE CONTROLLER CABINET ASSEMBLY SHALL BE FROM THE SAME MANUFACTURER; THIS INCLUDES CABINET ASSEMBLY, CONTROLLER, MMU, BUS, AND CABINET POWER SUPPLY.
- TRAFFIC CONTROL CABINETS SHALL BE NAZTEC MODEL P44 TS2 TYPE 1 SERIES ONLY BASE MOUNTED WITH A 15-INCH EXTENSION BASE.
- TRAFFIC CONTROLLER SHALL BE NAZTEC MODEL 980 E TS2 TYPE 1 SERIES WITH ETHERNET PORT.
- MALFUNCTION MANAGEMENT UNITS SHALL BE NAZTEC MODEL MMU 516L WITH LCD SCREEN, KEYPAD, AND COMMUNICATIONS PORT ONLY. THE RS232 COMMUNICATIONS PORT SHALL BE COMPATIBLE WITH THE P-2 PORT ON THE NAZTEC CONTROLLER AND WITH THE CMU/MMU INTERFACE IN STREETWISE ATMS.
- BUS INTERFACE UNITS SHALL BE NAZTEC MODEL BIU-130 ONLY.
- CABINET POWER SUPPLY SHALL BE NAZTEC MODEL TS2-CAB-PS ONLY.
- TRAFFIC CONTROL CABINET SHALL ALSO INCLUDE A TS2 SDLC FRAME AND GRABBER DEVICE FOR ADVANCED DIAGNOSTICS. THE FRAME GRABBER DEVICE SHALL BE ATSI MODEL FGR-1000 ONLY.

19. DETECTION EQUIPMENT:
- ALL LOOPS SHALL BE QUADRUPOLE LOOPS.
- LOOP AMPLIFIERS WITH LCD SHALL PROVIDE A SECONDARY COUNT OUTPUT IN ADDITION TO EACH PRESENCE OUTPUT.
- ALL LOOP WIRES TO BE BROUGHT BACK TO THE CONTROLLER ON SEPARATE LEAD-IN CABLES.
- ADVANCE DETECTION SHALL BE THE TRAFIRADAR SYSTEM.

20. OPTICAL PREEMPTION EQUIPMENT:
- OPTICAL PREEMPTION EQUIPMENT SHALL BE FULLY COMPATIBLE WITH TOMAR SECURE EMITTERS.
- CONTRACTOR TO COORDINATE WITH FIRE DEPARTMENT ON FINAL LOCATION OF OPTICAL PREEMPTION EQUIPMENT.
- OPTICAL SIGNAL PROCESSOR (OSP) CARD SHALL BE TOMAR MODEL 3140 SERIES ONLY.
- CARD CAGE SHALL BE TOMAR MODEL 1881 ONLY.
- OPTICAL DETECTOR SHALL BE TOMAR MODEL 2090-SD OR 2091-ST ONLY.
- CONFIRMATION STROBE SHALL BE TOMAR MODEL 804-110-R ONLY. TRUCK EMITTERS SHALL NOT BE PROVIDED AS PART OF THIS PROJECT.

21. VEHICLE SIGNAL EQUIPMENT:
- VEHICLE SIGNAL HOUSINGS SHALL BE MCCAIN MODEL MTSTA OR MTSTP SERIES ONLY (BLACK FINISH).
- VEHICLE SIGNAL HOUSINGS SHALL INCLUDE BACK PLATES (BLACK FINISH).
- LED MODULES FOR VEHICLE INDICATIONS SHALL BE GE LAMINATION RXII SERIES ONLY.

22. PEDESTRIAN SIGNAL EQUIPMENT:
- PEDESTRIAN SIGNAL HOUSINGS SHALL BE MCCAIN MODEL 1000 SERIES 18-INCH BY 16-INCH ONLY (BLACK FINISH).
- LED COUNTDOWN MODULES FOR PEDESTRIAN INDICATIONS SHALL BE GE LAMINATION GTI SERIES ONLY.
- ACCESSIBLE PEDESTRIAN SIGNAL (APS) PUSH BUTTONS WITH SIGNS AND TONES SHALL BE CAMPBELL COMPANY ADVISOR MODEL A-57 ONLY.

23. TRAFFIC STRUCTURES:
- MAST ARMS SHALL BE VALMONT SM16 OR CB16 SERIES OR APPROVED EQUAL.

24. SYSTEM ACCEPTANCE TESTING:
- IT IS EXPECTED THAT THE COMPLETE SYSTEM SHALL OPERATE FULLY FUNCTIONAL FOR A PERIOD OF 30 CONSECUTIVE DAYS WITHOUT MALFUNCTION. MINOR MALFUNCTIONS OF INOPERABILITY NOT THE FAULT OF THE CONTRACTOR, AS JUDGED BY THE ENGINEER, ARE NOT INCLUDED IN THE 30-DAY PERIOD. IF THE SYSTEM FAILS TO OPERATE AS INTENDED OR THE SUPPLIER'S CLAIMS, THE MALFUNCTION SHALL BE CORRECTED BY THE CONTRACTOR AS ITS COST AND A NEW 30-DAY TESTING PERIOD SHALL BEGIN. THIS PROCESS SHALL CONTINUE UNTIL A COMPLETELY OPERABLE SYSTEM IS DEMONSTRATED FOR A CONSECUTIVE 30-DAY PERIOD.
- ACCEPTANCE TESTING MUST DEMONSTRATE TO THE ENGINEER'S REASONABLE SATISFACTION THAT THE HARDWARE AND LICENSED SOFTWARE FUNCTION IN ACCORDANCE WITH THE SPECIFICATIONS, REQUIREMENTS, THROUGH-PUTS, FUNCTIONALITIES, PERFORMANCE CRITERIA OR OTHER BENEFITS STATED IN DOCUMENTATION PROMOTIONAL MATERIALS, PROPOSALS, AND/OR DEMONSTRATIONS GIVEN TO MAINEDOT AND THE TOWN OF FALMOUTH.

25. PAYMENT FOR THE TRAFFIC SIGNAL WORK SHALL BE AS OUTLINED IN SPECIAL PROVISION 643.

26. SALVAGE RIGHTS:
- THE TOWN OF FALMOUTH SHALL HAVE FIRST RIGHTS TO ALL EXISTING STREET LIGHTS AND TRAFFIC SIGNAL EQUIPMENT (CONTACT____). THE CONTRACTOR SHALL CAREFULLY REMOVE THESE ITEMS AND STORE THEM AT A CENTRAL LOCATION ON SITE FOR ENGINEER'S INSPECTION AND FINAL REMOVAL FROM THE SITE. THE STORAGE LOCATION SHALL BE SECURE AND ALL CONTROL EQUIPMENT REMOVED THAT HAS COMPUTER CHIP TECHNOLOGY SHALL BE STORED IN AN INTERIOR HEATED ENVIRONMENT. ANY REMOVED MATERIAL NOT CLAIMED BY THE TOWN OF FALMOUTH SHALL BE REMOVED FROM THE SITE BY THE CONTRACTOR AND APPROPRIATELY DISPOSED WHEN DIRECTED BY THE ENGINEER. REMOVAL, LOADING, TRANSPORTING, AND UNLOADING OF THE TRAFFIC SIGNAL EQUIPMENT AND STREET LIGHTS SHALL BE INCIDENTAL TO THE TRAFFIC SIGNAL AND HIGHWAY LIGHTING ITEMS.

27. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING RED-LINE AS-BUILT DRAWINGS OF THE FINAL WORK TO THE ENGINEER. THOSE DRAWINGS SHALL BE ON A CLEAN SET OF PLANS SHOWING ALL CHANGES OR MODIFICATIONS TO THE BID PLANS. PAYMENT FOR THIS EFFORT WILL BE CONSIDERED INCIDENTAL TO OTHER ITEMS. FINAL PAYMENT FOR THIS PROJECT WILL NOT BE MADE UNTIL THESE PLANS ARE RECEIVED BY THE ENGINEER.

28. EXACT LOCATION OF PROPOSED POLES, CABINET FOUNDATIONS, AND PEDESTAL POLES TO BE VERIFIED WITH THE ENGINEER PRIOR TO INSTALLATION.

29. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE RELOCATION OF POWER METERS IF REQUIRED. THIS WORK WILL BE INCIDENTAL TO ITEM 643.80 AS APPLICABLE TO THE LOCATION OF THE WORK.

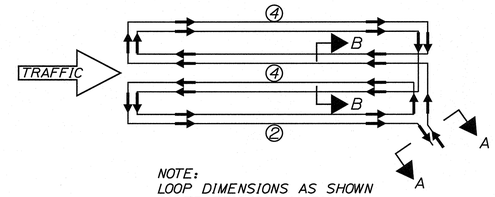
30. THE CONTRACTOR SHALL PERFORM THE WORK IN A MANNER THAT WILL REQUIRE THE LEAST AMOUNT OF DOWNTIME TO THE TRAFFIC SIGNAL OPERATIONS.

31. ALL TRAFFIC SIGNAL IMPACTS DURING CONSTRUCTION SHALL BE MITIGATED BY THE CONTRACTOR. THE CONTRACTOR SHALL RELOCATE EXISTING TRAFFIC SIGNAL HEADS FOR EACH CONSTRUCTION STAGE AS NEEDED. TRAFFIC SIGNAL HEADS SHALL ALIGN WITH THE CORRESPONDING TRAFFIC LANE. ALL OTHER IMPACTS SUCH AS LOOP DETECTORS SHALL ALSO BE MITIGATED. THIS WORK SHALL BE INCIDENTAL TO ITEM 652.36. ALL MITIGATION MUST BE APPROVED BY THE RESIDENT.

32. THE TOWN SHALL PAY ALL CMP CHARGES RELATING TO NEW SERVICE CONNECTION.

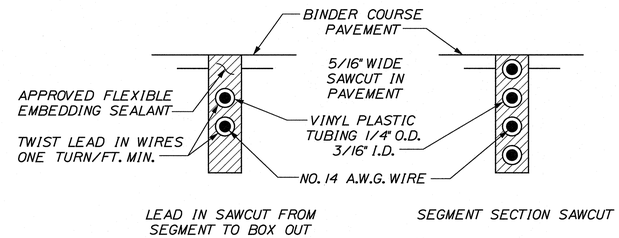
33. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL STRUCTURAL DESIGN OF THE SIGNAL SUPPORT STRUCTURES AND THE CONNECTION OF THE SUPPORT STRUCTURES TO THEIR FOUNDATIONS. ALL DESIGNS SHALL BE PREPARED AND STAMPED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF MAINE. DESIGN COMPUTATIONS, INCLUDING DESIGN LOADS (OVERTURNING MOMENT, TORSION, SHEAR FORCE, AND AXIAL LOAD) AT THE TOP OF THE FOUNDATIONS, AND SHOP DRAWINGS SHALL BE SUBMITTED FOR APPROVAL BY THE DEPARTMENT. NO MATERIALS SHALL BE ORDERED OR FABRICATED UNTIL THE DESIGN HAS BEEN APPROVED.

34. FOUNDATIONS SHALL CONSIST OF CAST-IN-PLACE REINFORCED CONCRETE DRILLED SHAFTS; ONE NEW DRILLED SHAFT PER MAST ARM OR DUAL PURPOSE POLE AS SET FORTH IN SPECIAL PROVISION 643. FOUNDATION SIZES SHALL BE SELECTED BY THE CONTRACTOR BASED UPON ACTUAL COMPUTED BENDING MOMENTS AND TORSION IN ACCORDANCE WITH SPECIAL PROVISION 643. ACTUAL DESIGN LOADS AT THE TOP OF THE FOUNDATION THAT ARE PROVIDED BY THE CONTRACTOR AS PART OF THEIR STRUCTURAL SUBMITTAL WILL BE USED BY THE DEPARTMENT TO CHECK THE SPECIFIED SIZE OF THE DRILLED SHAFTS.



NOTE:
LOOP DIMENSIONS AS SHOWN ON TRAFFIC SIGNAL PLAN.

TYPICAL WIRE DIAGRAM FOR QUADRUPOLE LOOP
NOT TO SCALE



LOOP DETECTOR SEGMENT DETAIL
NOT TO SCALE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

HIGHWAY PLANS

WIN 21784.00

STATE OF MAINE WALTSON WOO No. 13572 Licensed PROFESSIONAL ENGINEER

PROJ. MANAGER	$PROJMANAGER$	BY	DATE
DESIGN-DETAILED	$DESIGNER1$	$DETAILER1$	$PRODATE1$
CHECKED-REVIEWED	$CHECKED1$	$CHECKER1$	$CHECKDATE1$
DESIGN2-DETAILED2	$DESIGNER2$	$DETAILER2$	$PRODATE2$
DESIGN3-DETAILED3	$DESIGNER3$	$DETAILER3$	$PRODATE3$
REVISIONS 1	$REVISION1$		$REVDATE1$
REVISIONS 2	$REVISION2$		$REVDATE2$
REVISIONS 3	$REVISION3$		$REVDATE3$
REVISIONS 4	$REVISION4$		$REVDATE4$
FIELD CHANGES	$FIELDCHANGES$		$FIELDDATE$

P.E. NUMBER 13572
10/23/2018
SIGNATURE
DATE

FALMOUTH
ROUTE 100\26

TRAFFIC SIGNAL NOTES

SHEET NUMBER
182
OF 269

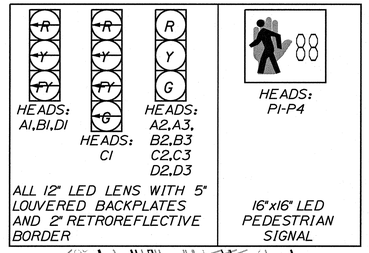
...\MSTA\182_Signal_Notes.dgn Filename: Division: HIGHWAY Username: mdebowski Date:10/22/2018

SIGNAL TIMING SCHEDULE

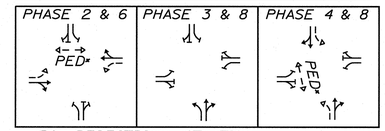
	PHASE 1	PHASE 2	PHASE 3	PHASE 4	PHASE 5	PHASE 6	PHASE 7	PHASE 8	TIME OF DAY
MINIMUM GREEN	-	10	5	5	-	10	-	5	
EXTENSION	-	3	3	3	-	3	-	3	
MAXIMUM I	-	35	10	20	-	25	-	10*	ALL OTHER
MAXIMUM II	-	25	10	16*	-	30	-	10*	M-F (3-6PM)
VEHICLE CLEAR	-	4.0	4.0	4.0	-	4.0	-	4.0	
RED CLEAR	-	2.5	2.5	2.5	-	2.5	-	2.5	
PEDESTRIAN WALK	-				-	5	-	5	
PEDESTRIAN CLEAR(FDW)**	-				-	13	-	13	
RECALL	-	SOFT	OFF	OFF	-	SOFT	-	OFF	
DUAL ENTRY	-	ON	OFF	ON	-	ON	-	ON	
DETECTOR MODE	-	PR	PR	PR	-	PR	-	PR	
PREEMPTION PRIORITY	-	-	-	-	-	-	-	-	
FLASH	-	Y	←R	R	-	Y	-	R	

* EXTEND TO END OF FDW DURING PEDESTRIAN PHASE
** FDW TO TERMINATE BEFORE VEHICLE CLEAR

SIGNAL HEAD DATA

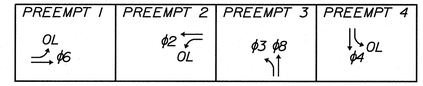


PREFERENTIAL SIGNAL PHASING DIAGRAM



* UPON PEDESTRIAN ACTUATION

EMERGENCY VEHICLE PREEMPTION PHASING DIAGRAM

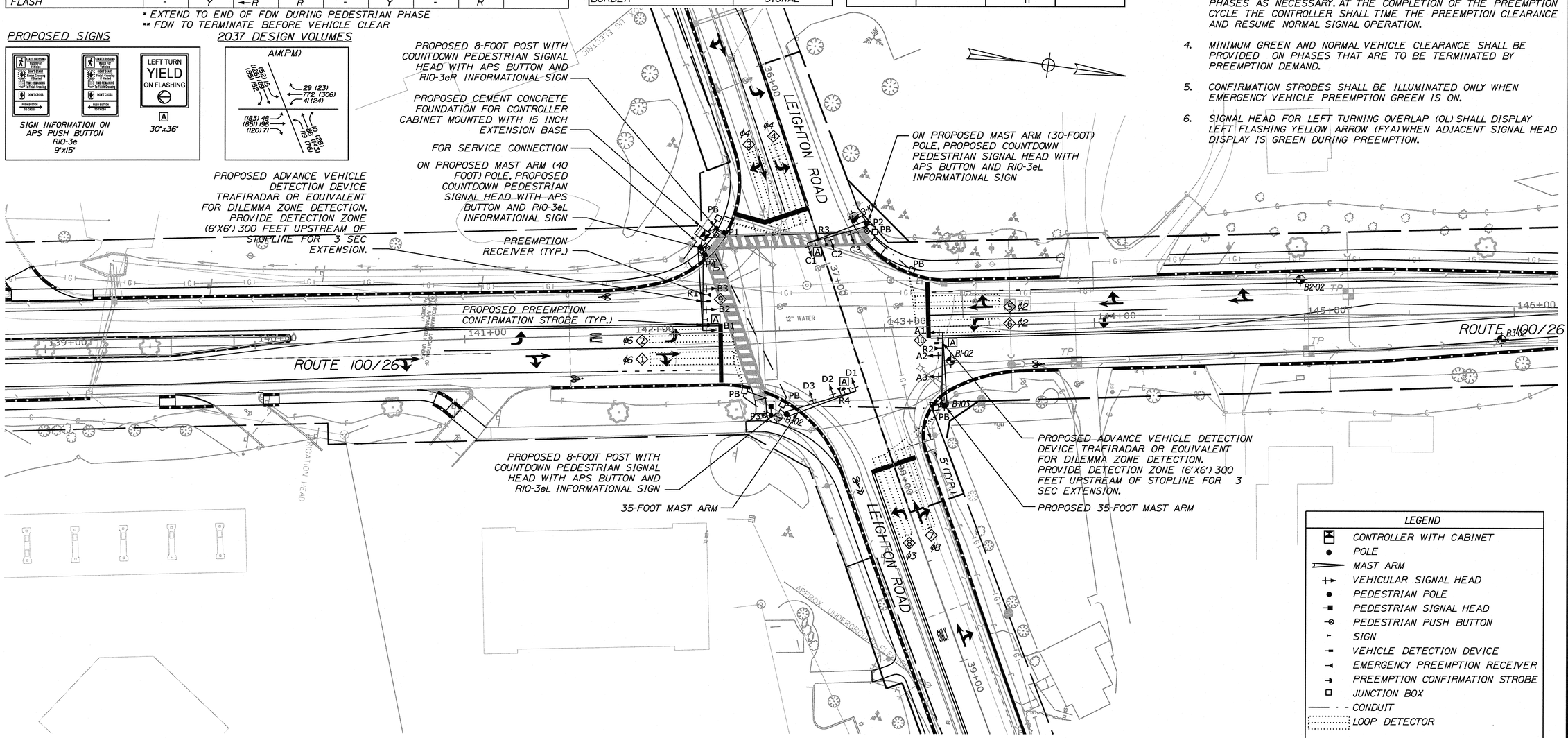


EMERGENCY VEHICLE PREEMPTION NOTES:

1. EMERGENCY VEHICLE PREEMPTION SIGNALS SHALL BE TRANSMITTED BY OPTICAL EMITTERS (PROVIDED BY OTHERS) MOUNTED IN EMERGENCY VEHICLES AND RECEIVED BY OPTICAL DETECTORS LOCATED AT THE INTERSECTION.
2. PREEMPTION SIGNALS SHALL BE SERVICED ON A PRIORITY BASIS WITH RECEIVERS ASSIGNED DESCENDING PRIORITIES (R1=HIGHEST, R4=LOWEST).
3. IN RESPONSE TO A PREEMPTION SIGNAL RECEIVED AT AN INTERSECTION BY AN OPTICAL DETECTOR, THE CONTROLLER SHALL HOLD OR ADVANCE TO AND HOLD THE EMERGENCY ACTIVE PHASE GREEN FOR A MINIMUM OF 10 SECONDS OR UNTIL THE PREEMPTION SIGNAL CEASES. THE CONTROLLER SHALL THEN TIME PREEMPTION PHASE CLEARANCE AND SERVICE SUBSEQUENT EMERGENCY ACTIVE PHASES AS NECESSARY. AT THE COMPLETION OF THE PREEMPTION CYCLE THE CONTROLLER SHALL TIME THE PREEMPTION CLEARANCE AND RESUME NORMAL SIGNAL OPERATION.
4. MINIMUM GREEN AND NORMAL VEHICLE CLEARANCE SHALL BE PROVIDED ON PHASES THAT ARE TO BE TERMINATED BY PREEMPTION DEMAND.
5. CONFIRMATION STROBES SHALL BE ILLUMINATED ONLY WHEN EMERGENCY VEHICLE PREEMPTION GREEN IS ON.
6. SIGNAL HEAD FOR LEFT TURNING OVERLAP (OL) SHALL DISPLAY LEFT FLASHING YELLOW ARROW (FYA) WHEN ADJACENT SIGNAL HEAD DISPLAY IS GREEN DURING PREEMPTION.

PROPOSED SIGNS

2037 DESIGN VOLUMES



DETECTOR SCHEDULE

DETECTOR							AMPLIFIER				INDUCTANCE	CONTINUITY	RESISTANCE LOOP TO GROUND
PLAN ID	STREET	DIRECTION	LANE	SIZE	CALL ϕ	DELAY	TYPE	SLOT NO.	DETECTOR NO.	CHANNEL			
1	ROUTE 100/26	NORTHBOUND	THRU	6'x40'	6	0	PRESENCE	1	1	1			
2	ROUTE 100/26	NORTHBOUND	LEFT	6'x40'	6	0	PRESENCE	1	2	2			
3	LEIGHTON ROAD	EASTBOUND	THRU	6'x40'	4	0	PRESENCE	2	3	1			
4	LEIGHTON ROAD	EASTBOUND	LEFT	6'x40'	4	0	PRESENCE	2	4	2			
5	ROUTE 100/26	SOUTHBOUND	THRU	6'x40'	2	0	PRESENCE	3	5	1			
6	ROUTE 100/26	SOUTHBOUND	LEFT	6'x40'	2	0	PRESENCE	3	6	2			
7	LEIGHTON ROAD	WESTBOUND	THRU	6'x40'	8	0	PRESENCE	4	7	1			
8	LEIGHTON ROAD	WESTBOUND	LEFT	6'x40'	3	0	PRESENCE	4	8	2			
9	ROUTE 100/26	SOUTHBOUND	THRU	-	2	0	ADVANCE	-	-	-			
10	ROUTE 100/26	NORTHBOUND	THRU	-	6	0	ADVANCE	-	-	-			

SCALE OF FEET
25 0 25 50

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

HIGHWAY PLANS

WIN 21784.00

STATE OF MAINE
WALTSON WOO
No. 13572
LICENSED PROFESSIONAL ENGINEER

PROJ. MANAGER	$PROJMANAGER	BY	DATE
DESIGN-DETAILED	$DESIGNER18	$DETAILER18	$PROJDATE18
CHECKED-REVIEWED	$CHECKED18	$CHECKER18	$CKDATE18
DESIGN2-DETAILED3	$DESIGNER2	$DETAILER2	$PROJDATE2
DESIGN3-DETAILED3	$DESIGNER3	$DETAILER3	$PROJDATE3
REVISIONS 1	$REVISION1	$REVDATE1	P.E. NUMBER
REVISIONS 2	$REVISION2	$REVDATE2	13572
REVISIONS 3	$REVISION3	$REVDATE3	10/23/2018
REVISIONS 4	$REVISION4	$REVDATE4	DATE
FIELD CHANGES	$FIELDCHANGES	$FIELDDATE	SIGNATURE

FALMOUTH
ROUTE 100\26

TRAFFIC SIGNALS

SHEET NUMBER
183
OF 269

Date:10/22/2018
Username: mdebowski
Division: HIGHWAY
Filename:
...\MSTA\183_Signal_Leighton.dgn

SIGNAL TIMING SCHEDULE

	PHASE 1	PHASE 2	PHASE 3	PHASE 4	PHASE 5	PHASE 6	PHASE 7	PHASE 8	PHASE 9	TIME OF DAY
MINIMUM GREEN	5	10	5	5	5	10	-	5	-	
EXTENSION	3	3	3	3	3	3	-	3	-	
MAXIMUM I	10	30	10	20	10	20	-	15	-	ALL OTHER
MAXIMUM II	10	20	10	10	10	30	-	10	-	M-F (3-6PM)
VEHICLE CLEAR	4.0	4.0	4.0	4.5	4.0	4.0	-	4.5	-	
RED CLEAR	2.5	2.5	2.0	2.0	2.5	2.5	-	2.0	3	
PEDESTRIAN WALK							-		5	
PEDESTRIAN CLEAR (FDW)							-		12	
RECALL	OFF	SOFT	OFF	OFF	OFF	SOFT	-	OFF	OFF	
DUAL ENTRY	OFF	ON	OFF	ON	OFF	ON	-	ON	-	
DETECTOR MODE	PR	PR	PR	PR	PR	PR	-	PR	-	
PREEMPTION PRIORITY	-	-	-	-	-	-	-	-	-	
FLASH	←R	Y	←R	R	←R	Y	-	R	-	

PROPOSED SIGNS

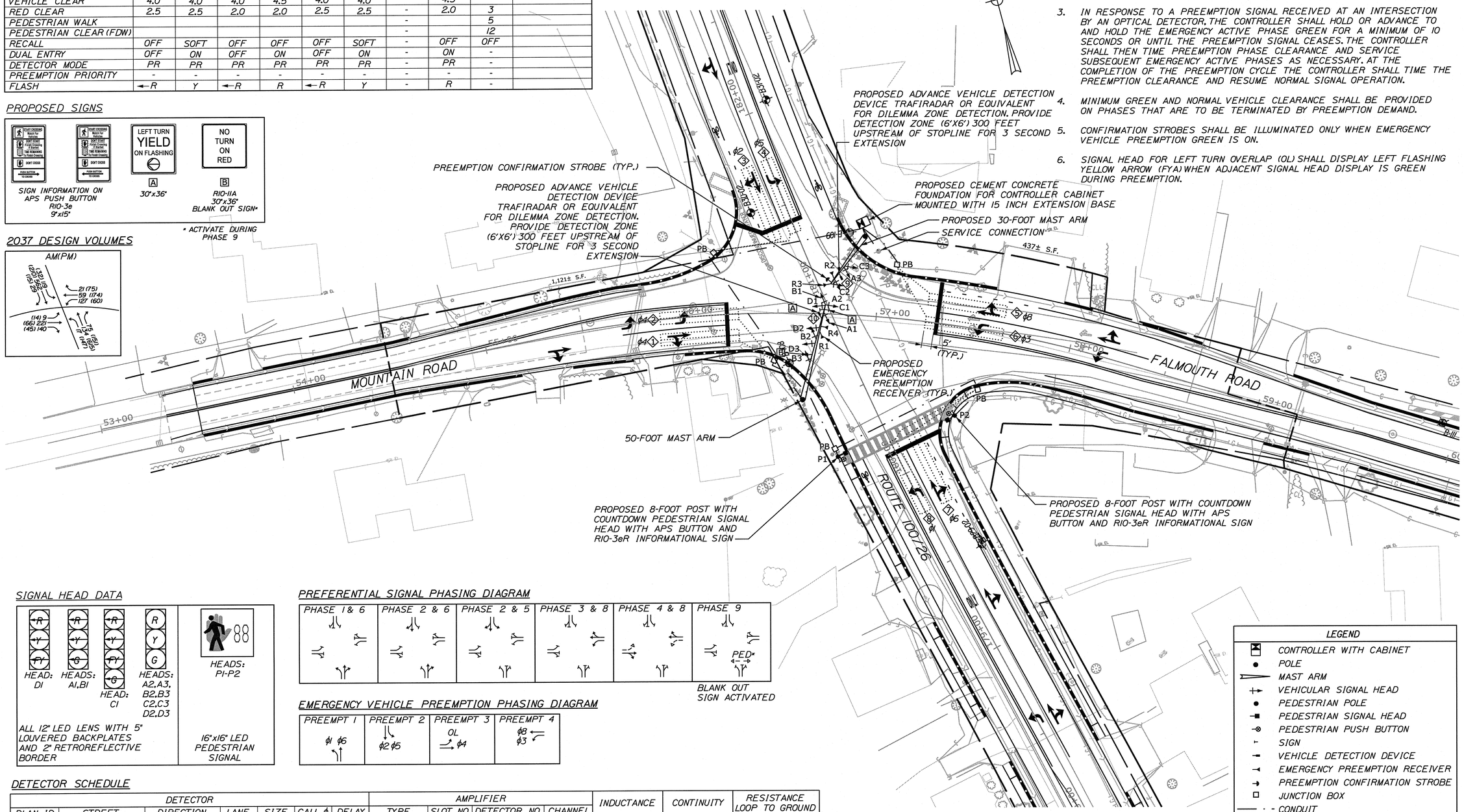
SIGN INFORMATION ON APS PUSH BUTTON R10-3e 9"x15"

A 30"x36"

B R10-11A 30"x36" BLANK OUT SIGN*

* ACTIVATE DURING PHASE 9

2037 DESIGN VOLUMES



EMERGENCY VEHICLE PREEMPTION NOTES:

1. EMERGENCY VEHICLE PREEMPTION SIGNALS SHALL BE TRANSMITTED BY OPTICAL EMITTERS (PROVIDED BY OTHERS) MOUNTED IN EMERGENCY VEHICLES AND RECEIVED BY OPTICAL DETECTORS LOCATED AT THE INTERSECTION.
2. PREEMPTION SIGNALS SHALL BE SERVICED ON A PRIORITY BASIS WITH RECEIVERS ASSIGNED DESCENDING PRIORITIES (R1=HIGHEST, R4=LOWEST).
3. IN RESPONSE TO A PREEMPTION SIGNAL RECEIVED AT AN INTERSECTION BY AN OPTICAL DETECTOR, THE CONTROLLER SHALL HOLD OR ADVANCE TO AND HOLD THE EMERGENCY ACTIVE PHASE GREEN FOR A MINIMUM OF 10 SECONDS OR UNTIL THE PREEMPTION SIGNAL CEASES. THE CONTROLLER SHALL THEN TIME PREEMPTION PHASE CLEARANCE AND SERVICE SUBSEQUENT EMERGENCY ACTIVE PHASES AS NECESSARY. AT THE COMPLETION OF THE PREEMPTION CYCLE THE CONTROLLER SHALL TIME THE PREEMPTION CLEARANCE AND RESUME NORMAL SIGNAL OPERATION.
4. MINIMUM GREEN AND NORMAL VEHICLE CLEARANCE SHALL BE PROVIDED ON PHASES THAT ARE TO BE TERMINATED BY PREEMPTION DEMAND.
5. CONFIRMATION STROBES SHALL BE ILLUMINATED ONLY WHEN EMERGENCY VEHICLE PREEMPTION GREEN IS ON.
6. SIGNAL HEAD FOR LEFT TURN OVERLAP (OL) SHALL DISPLAY LEFT FLASHING YELLOW ARROW (FYA) WHEN ADJACENT SIGNAL HEAD DISPLAY IS GREEN DURING PREEMPTION.

SIGNAL HEAD DATA

PREFERENTIAL SIGNAL PHASING DIAGRAM

BLANK OUT SIGN ACTIVATED

EMERGENCY VEHICLE PREEMPTION PHASING DIAGRAM

DETECTOR SCHEDULE

DETECTOR							AMPLIFIER				INDUCTANCE	CONTINUITY	RESISTANCE LOOP TO GROUND
PLAN ID	STREET	DIRECTION	LANE	SIZE	CALL φ	DELAY	TYPE	SLOT NO.	DETECTOR NO.	CHANNEL			
1	MOUNTAIN ROAD	EASTBOUND	THRU	6'x40'	4	0	PRESENCE	1	1	1			
2	MOUNTAIN ROAD	EASTBOUND	LEFT	6'x40'	4	0	PRESENCE	1	2	2			
3	ROUTE 100/26	SOUTHBOUND	THRU	6'x40'	2	0	PRESENCE	2	3	1			
4	ROUTE 100/26	SOUTHBOUND	LEFT	6'x40'	5	0	PRESENCE	2	4	2			
5	FALMOUTH ROAD	WESTBOUND	THRU	6'x40'	8	0	PRESENCE	3	5	1			
6	FALMOUTH ROAD	WESTBOUND	LEFT	6'x40'	3	0	PRESENCE	3	6	2			
7	ROUTE 100/26	NORTHBOUND	THRU	6'x40'	6	0	PRESENCE	4	7	1			
8	ROUTE 100/26	NORTHBOUND	LEFT	6'x40'	1	0	PRESENCE	4	8	2			
9	ROUTE 100/26	NORTHBOUND	THRU	-	6	0	ADVANCE	-	-	-			
10	ROUTE 100/26	SOUTHBOUND	THRU	-	2	0	ADVANCE	-	-	-			

CONSTRUCTION NOTE:

1. NOTE MUTCD 4D.15 REGARDING SIGNAL HEADS D1 AND B1, REQUIRED HEIGHT AND RESULTANT REQUIRED HEIGHT OF THE END OF THE MAST ARM.

LEGEND

- CONTROLLER WITH CABINET
- POLE
- MAST ARM
- VEHICULAR SIGNAL HEAD
- PEDESTRIAN POLE
- PEDESTRIAN SIGNAL HEAD
- PEDESTRIAN PUSH BUTTON
- SIGN
- VEHICLE DETECTION DEVICE
- EMERGENCY PREEMPTION RECEIVER
- PREEMPTION CONFIRMATION STROBE
- JUNCTION BOX
- CONDUIT
- LOOP DETECTOR

SCALE OF FEET

25 0 25 50

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WIN 21784.00

HIGHWAY PLANS

STATE OF MAINE WALTSON WOO No. 13572 PROFESSIONAL ENGINEER

PROJ. MANAGER	$PROJ_MANAGER$	BY	DATE
DESIGN-DETAILED	$DESIGNER15	$DETAILER1	$PRODATE1
CHECKED-REVIEWED	$CHECKED15	$CHECKER1	$REVDATE1
DESIGN2-DETAILED2	$DESIGNER24	$DETAILER2	$PRODATE2
DESIGN3-DETAILED3	$DESIGNER34	$DETAILER3	$PRODATE3
REVISIONS 1	$REVISION15		$REVDATE1
REVISIONS 2	$REVISION25		$REVDATE2
REVISIONS 3	$REVISION35		$REVDATE3
REVISIONS 4	$REVISION45		$REVDATE4
FIELD CHANGES	$FIELDCHANGE$		$FIELDDATE

SIGNATURE 13572
P.E. NUMBER
10/23/2018
DATE

FALMOUTH
ROUTE 100\26

TRAFFIC SIGNALS

SHEET NUMBER
184
OF 269

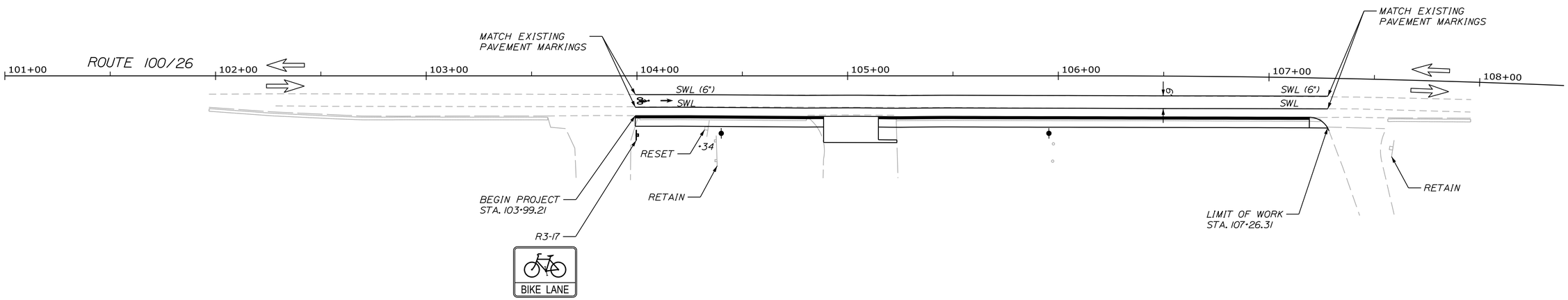
Filename: ...\MSTA\184_Signal_Mtn_Fal.dgn Division: HIGHWAY Username: mdebowski Date:10/22/2018

NOTES:

1. ALL WORK TO CONFORM TO MAINE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES AND STANDARD DETAILS
2. ALL PROPOSED WORK SHALL BE IN CONFORMANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", AND "STANDARD HIGHWAY SIGNS", U.S.D.O.T., F.H.W.A. LATEST EDITION.
3. THE CONTRACTOR SHALL REMOVE ALL EXISTING PAVEMENT MARKINGS THAT CONFLICT WITH PROPOSED MARKINGS (INCIDENTAL TO 627 ITEMS).
4. STRIPING SHOWN ON THE PLANS IS FOR ESTIMATING PURPOSES ONLY. THE ACTUAL STRIPING SHALL BE DETERMINED IN THE FIELD, AS DIRECTED BY THE RESIDENT ENGINEER.
5. PASSING ZONES ARE TO BE DETERMINED BY THE RESIDENT ENGINEER.
6. HARDWARE AND INCIDENTALS NECESSARY TO RESET THE RECTAGULAR RAPID FLASHING BEACON SHALL BE COMPENSATED UNDER ITEM 645.116 REINSTALL REGULATORY, WARNING, CONFIRMATION AND ROUTE MARKER ASSEMBLY SIGN.

LEGEND

SWL (6")	SOLID WHITE 6" LINE	CENTERLINE
SWL	SOLID WHITE 4" LINE	DIRECTIONAL FLOW ARROW
DWL (6")	DASHED WHITE 6" LINE (2' LINE, 6' SPACE)	RIGHT ARROW PAVEMENT MARKING
DWL	DASHED WHITE 4" LINE (2' LINE, 6' SPACE)	SHARED THRU-RIGHT PAVEMENT MARKING
SYL	SOLID YELLOW 4" LINE	"ONLY" PAVEMENT MARKING
DYL	DOUBLE YELLOW 4" LINE	LEFT ARROW PAVEMENT MARKING
SL (24")	STOP LINE (24")	BICYCLE LANE SYMBOL MARKING
SL (12")	STOP LINE (12")	SHARED LANE MARKING
	EXISTING SINGLE SIGN POST	
	EXISTING DOUBLE SIGN POST	
	PROPOSED SINGLE SIGN POST	
	PROPOSED DOUBLE SIGN POST	



SCALE OF FEET

PLAN 25 0 25 50

BICYCLE LANE SYMBOL MARKING

Station	Side	Station	Side
14270	LT	10400	RT
14730	LT	12475	RT
15150	LT	12770	RT
15950	LT	13010	RT
16750	LT	13575	RT
17510	LT	14150	RT
18010	LT	14370	RT
18200	LT	15100	RT
19000	LT	15900	RT
19800	LT	16700	RT
		17355	RT
		17950	RT
		18150	RT
		18950	RT
		19700	RT

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

HIGHWAY PLANS

WIN 21784.00

		BY	DATE
PROJ. MANAGER	$PROJMANAGER$		
DESIGN-DETAILED	$DESIGNER1$	$DETALER1$	$PROJDATE1$
CHECKED-REVIEWED	$CHECKED1$	$CHECKER1$	$CHECKDATE1$
DESIGN2-DETAILED2	$DESIGNER2$	$DETALER2$	$PROJDATE2$
DESIGN3-DETAILED3	$DESIGNER3$	$DETALER3$	$PROJDATE3$
REVISIONS 1	$REVISION1$		$REVDATE1$
REVISIONS 2	$REVISION2$		$REVDATE2$
REVISIONS 3	$REVISION3$		$REVDATE3$
REVISIONS 4	$REVISION4$		$REVDATE4$
FIELD CHANGES	$FIELDCHANGES$		$FIELDDATE$

SIGNATURE

P.E. NUMBER

DATE

FALMOUTH
ROUTE 100\26

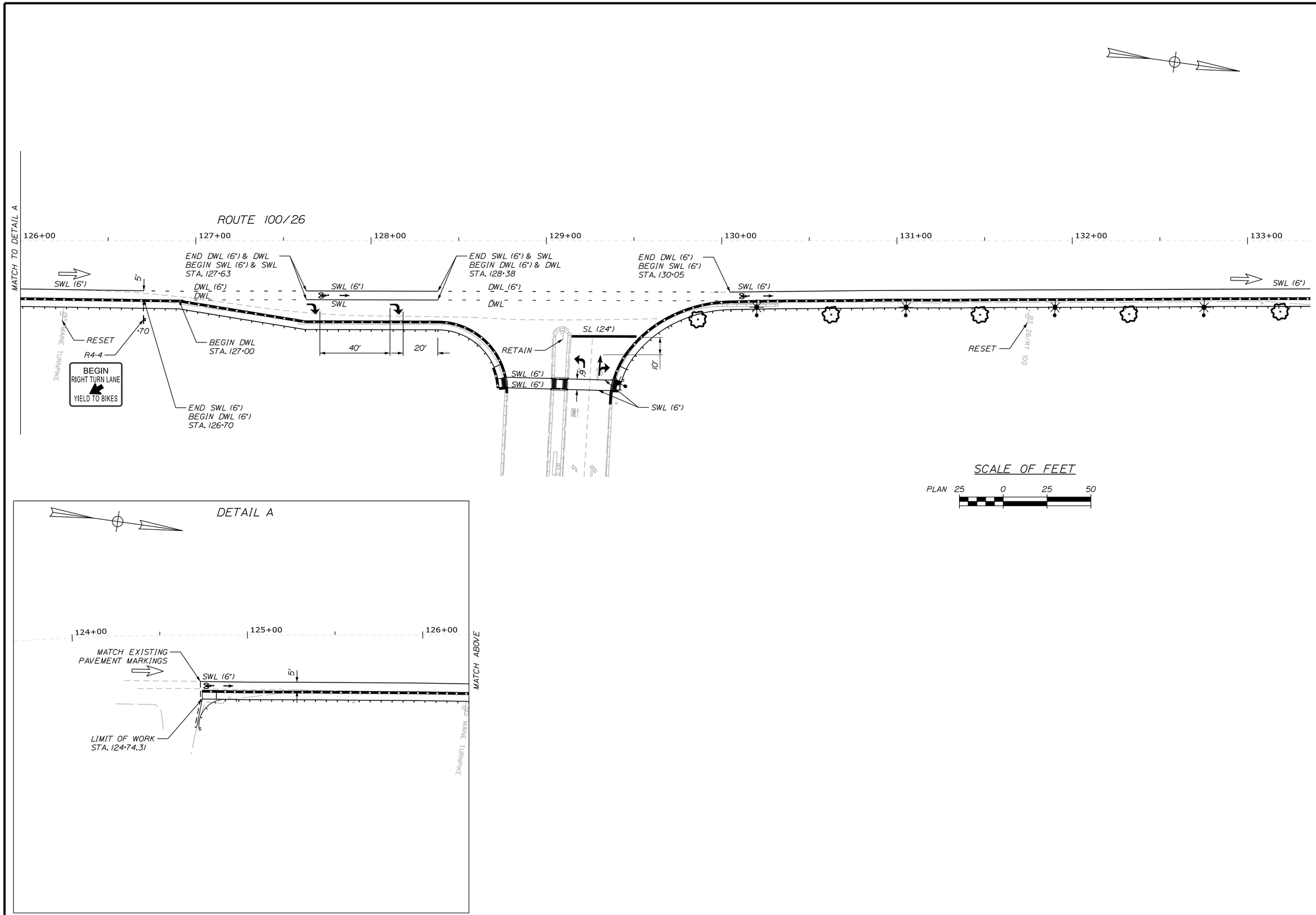
SIGN AND PAVEMENT MARKINGS PLANS

SHEET NUMBER

185

OF 269

Filename: ...\HIGHWAY\MSTA\185_SPM_Plan1.dgn Division: HIGHWAY Username: mdebowski Date:10/23/2018



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WIN 21784.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$	BY	DATE
DESIGN-DETAILED	$DESIGNER1$	$DETAILER1$	$PROJDATE1$
CHECKED-REVIEWED	$CHECKED1$	$CHECKER2$	$CHKDATE2$
DESIGN2-DETAILED2	$DESIGNER2$	$DETAILER2$	$PROJDATE2$
DESIGN3-DETAILED3	$DESIGNER3$	$DETAILER3$	$PROJDATE3$
REVISIONS 1	$REVISION1$		$REVDATE1$
REVISIONS 2	$REVISION2$		$REVDATE2$
REVISIONS 3	$REVISION3$		$REVDATE3$
REVISIONS 4	$REVISION4$		$REVDATE4$
FIELD CHANGES	$FIELDCHANGES$		$FIELDDATE$

SIGNATURE

P.E. NUMBER

DATE

FALMOUTH
ROUTE 100\26

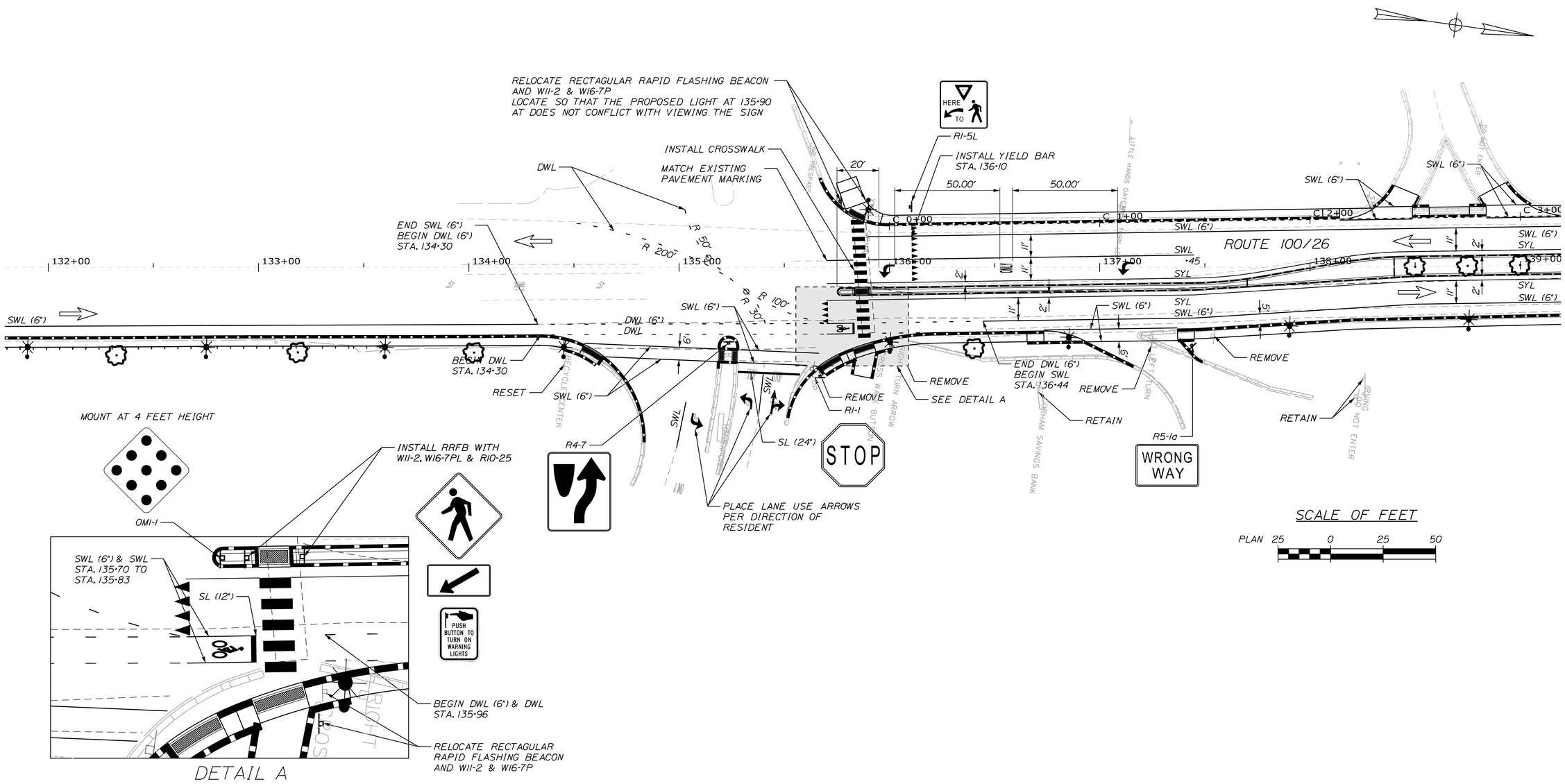
SIGNS AND PAVEMENT
MARKINGS PLANS

SHEET NUMBER

186

OF 269

Filename: ...\HIGHWAY\MSTA\186_SPM_Plan2.dgn Division: HIGHWAY Username: mdebowski Date:10/23/2018



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WIN 21784.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$	BY	DATE
DESIGN-DETAILED	$DESIGNER1$	$DETAILER1$	$PROJDATE1$
CHECKED-REVIEWED	$CHECKED1$	$CHECKER2$	$CHECKDATE$
DESIGN2-DETAILED2	$DESIGNER2$	$DETAILER2$	$PROJDATE2$
DESIGN3-DETAILED3	$DESIGNER3$	$DETAILER3$	$PROJDATE3$
REVISIONS 1	$REVISION1$		$REVDATE1$
REVISIONS 2	$REVISION2$		$REVDATE2$
REVISIONS 3	$REVISION3$		$REVDATE3$
REVISIONS 4	$REVISION4$		$REVDATE4$
FIELD CHANGES	$FIELDCHANGES$		$FIELDDATE$

SIGNATURE

P.E. NUMBER

DATE

FALMOUTH
ROUTE 100\26

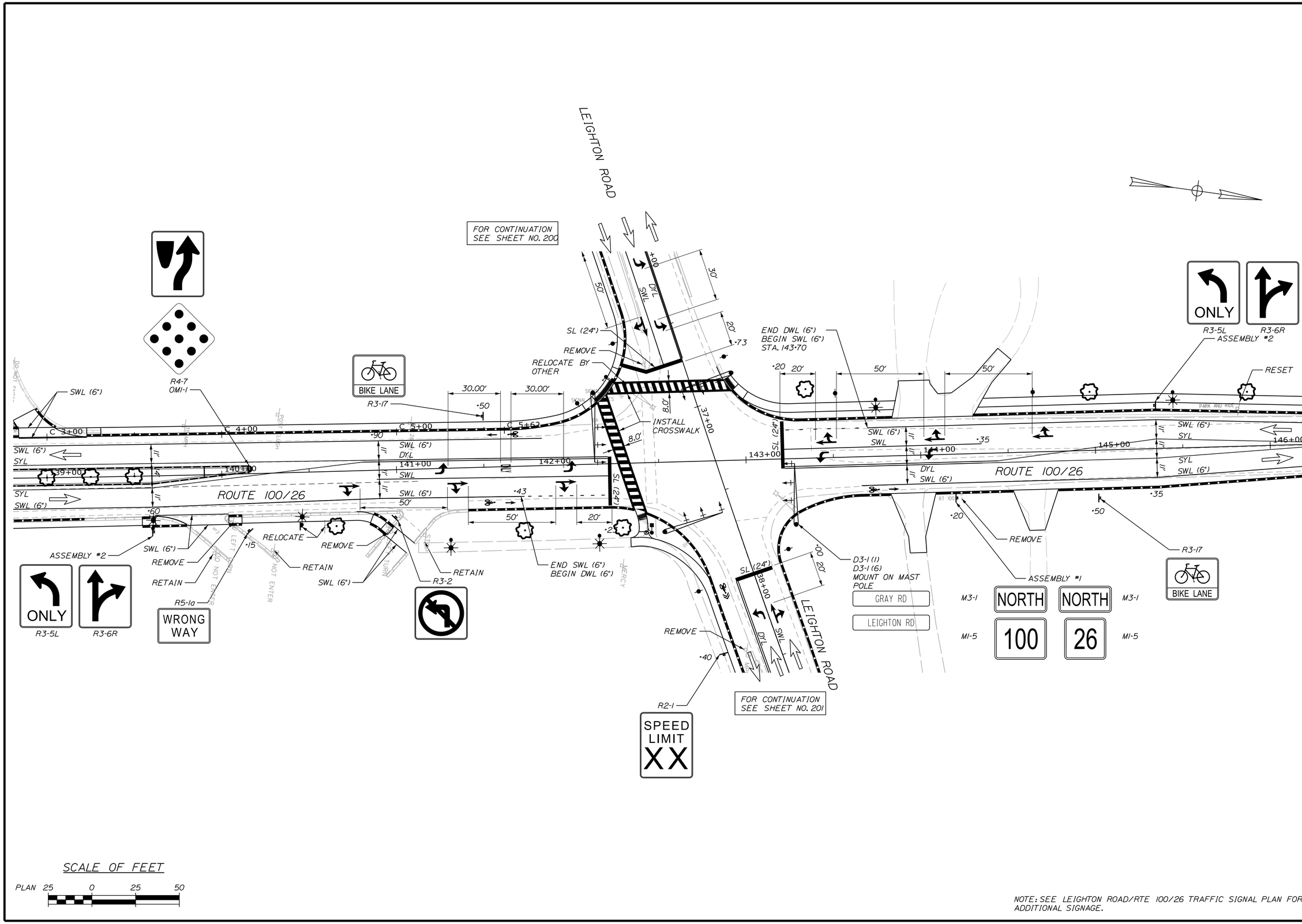
SIGNS AND PAVEMENT MARKINGS PLANS

SHEET NUMBER

187

OF 269

Filename: ...\HIGHWAY\MSTA\187_SPM_Plan3.dgn Division: HIGHWAY Username: mdebowski Date:10/23/2018



NOTE: SEE LEIGHTON ROAD/RTE 100/26 TRAFFIC SIGNAL PLAN FOR ADDITIONAL SIGNAGE.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WIN 21784.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	$PROJMANAGER$	$PROJDATE$
DESIGN-DETAILED	$DESIGNER1$	$DETAILER1$
CHECKED-REVIEWED	$CHECKED1$	$CHECKED2$
DESIGN2-DETAILED2	$DESIGNER2$	$DETAILER2$
DESIGN3-DETAILED3	$DESIGNER3$	$DETAILER3$
REVISIONS 1	$REVISION1$	$REVDATE1$
REVISIONS 2	$REVISION2$	$REVDATE2$
REVISIONS 3	$REVISION3$	$REVDATE3$
REVISIONS 4	$REVISION4$	$REVDATE4$
FIELD CHANGES	$FIELDCHANGES$	$FIELDDATE$

SIGNATURE

P.E. NUMBER

DATE

FALMOUTH
ROUTE 100\26

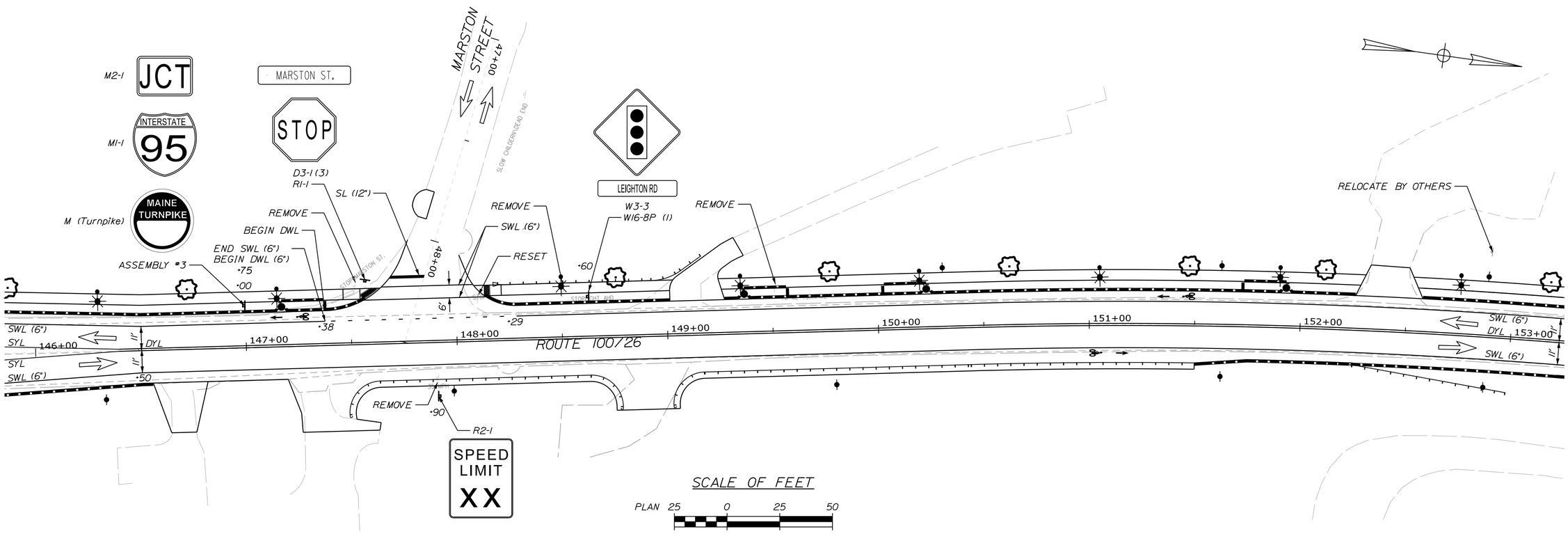
SIGNS AND PAVEMENT MARKINGS PLANS

SHEET NUMBER

188

OF 269

Filename: ...\HIGHWAY\MSTA\188_SPM_Plan4.dgn Division: HIGHWAY Username: mdebowski Date:10/23/2018



Filename: ...\HIGHWAY\MSTA\189_SPM_Plan5.dgn Division: HIGHWAY Username: mdebowski Date:10/23/2018

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WIN 21784.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$	BY	DATE
DESIGN-DETAILED	$DESIGNER1$	$DETAILER1$	$PROJDATE1$
CHECKED-REVIEWED	$CHECKED1$	$CHECKER2$	$CHECKDATE$
DESIGN2-DETAILED2	$DESIGNER2$	$DETAILER2$	$PROJDATE2$
DESIGN3-DETAILED3	$DESIGNER3$	$DETAILER3$	$PROJDATE3$
REVISIONS 1	$REVISION1$	$REVDATE1$	P.E. NUMBER
REVISIONS 2	$REVISION2$	$REVDATE2$	
REVISIONS 3	$REVISION3$	$REVDATE3$	SIGNATURE
REVISIONS 4	$REVISION4$	$REVDATE4$	DATE
FIELD CHANGES	$FIELDCHANGES$	$FIELDDATE$	

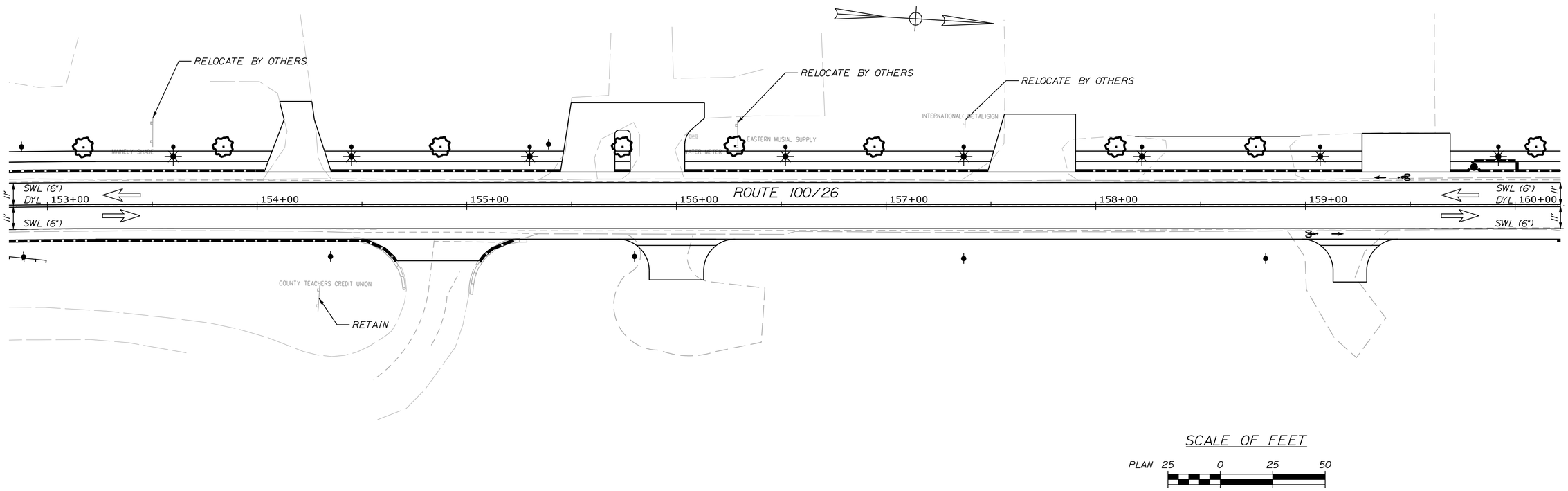
FALMOUTH
ROUTE 100\26

SIGNS AND PAVEMENT MARKINGS PLANS

SHEET NUMBER

189

OF 269



Filename: ...\HIGHWAY\MSTA\190_SPM_Plan6.dgn Division: HIGHWAY Username: mdebowski Date:10/23/2018

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WIN 21784.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	$PROJMANAGER$		
DESIGN-DETAILED	$DESIGNER1$	$DETALER1$	$PROJDATE1$
CHECKED-REVIEWED	$CHECKED1$	$CHECKER2$	$CHECKDATE$
DESIGN2-DETAILED2	$DESIGNER2$	$DETALER2$	$PROJDATE2$
DESIGN3-DETAILED3	$DESIGNER3$	$DETALER3$	$PROJDATE3$
REVISIONS 1	$REVISION1$		$REVDATE1$
REVISIONS 2	$REVISION2$		$REVDATE2$
REVISIONS 3	$REVISION3$		$REVDATE3$
REVISIONS 4	$REVISION4$		$REVDATE4$
FIELD CHANGES	$FIELDCHANGES$		$FIELDDATE$

SIGNATURE

P.E. NUMBER

DATE

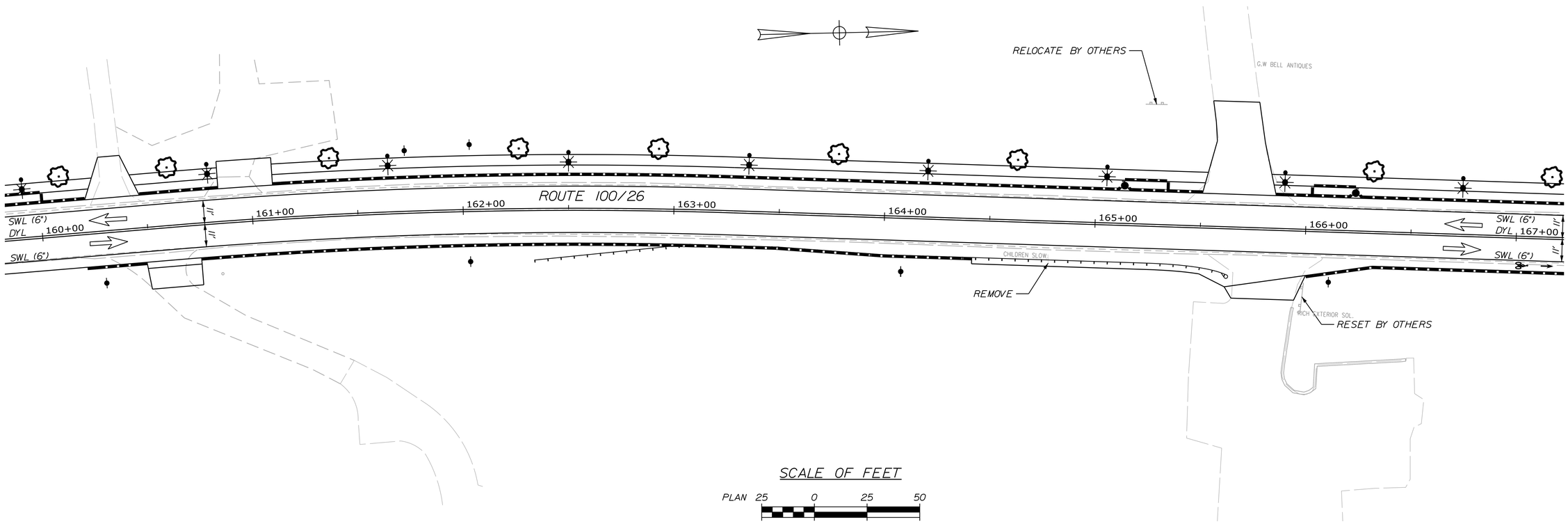
FALMOUTH
ROUTE 100\26

SIGNS AND PAVEMENT
MARKINGS PLANS

SHEET NUMBER

190

OF 269



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WIN 21784.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$	BY	DATE
DESIGN-DETAILED	$DESIGNER1$	$DETALER1$	$PROJDATE1$
CHECKED-REVIEWED	$CHECKED1$	$CHECKED2$	$CHECKDATE$
DESIGN2-DETAILED2	$DESIGNER2$	$DETALER2$	$PROJDATE2$
DESIGN3-DETAILED3	$DESIGNER3$	$DETALER3$	$PROJDATE3$
REVISIONS 1	$REVISION1$	$REVDATE1$	P.E. NUMBER
REVISIONS 2	$REVISION2$	$REVDATE2$	
REVISIONS 3	$REVISION3$	$REVDATE3$	SIGNATURE
REVISIONS 4	$REVISION4$	$REVDATE4$	DATE
FIELD CHANGES	$FIELDCHANGES$	$FIELDDATE$	

FALMOUTH
ROUTE 100\26

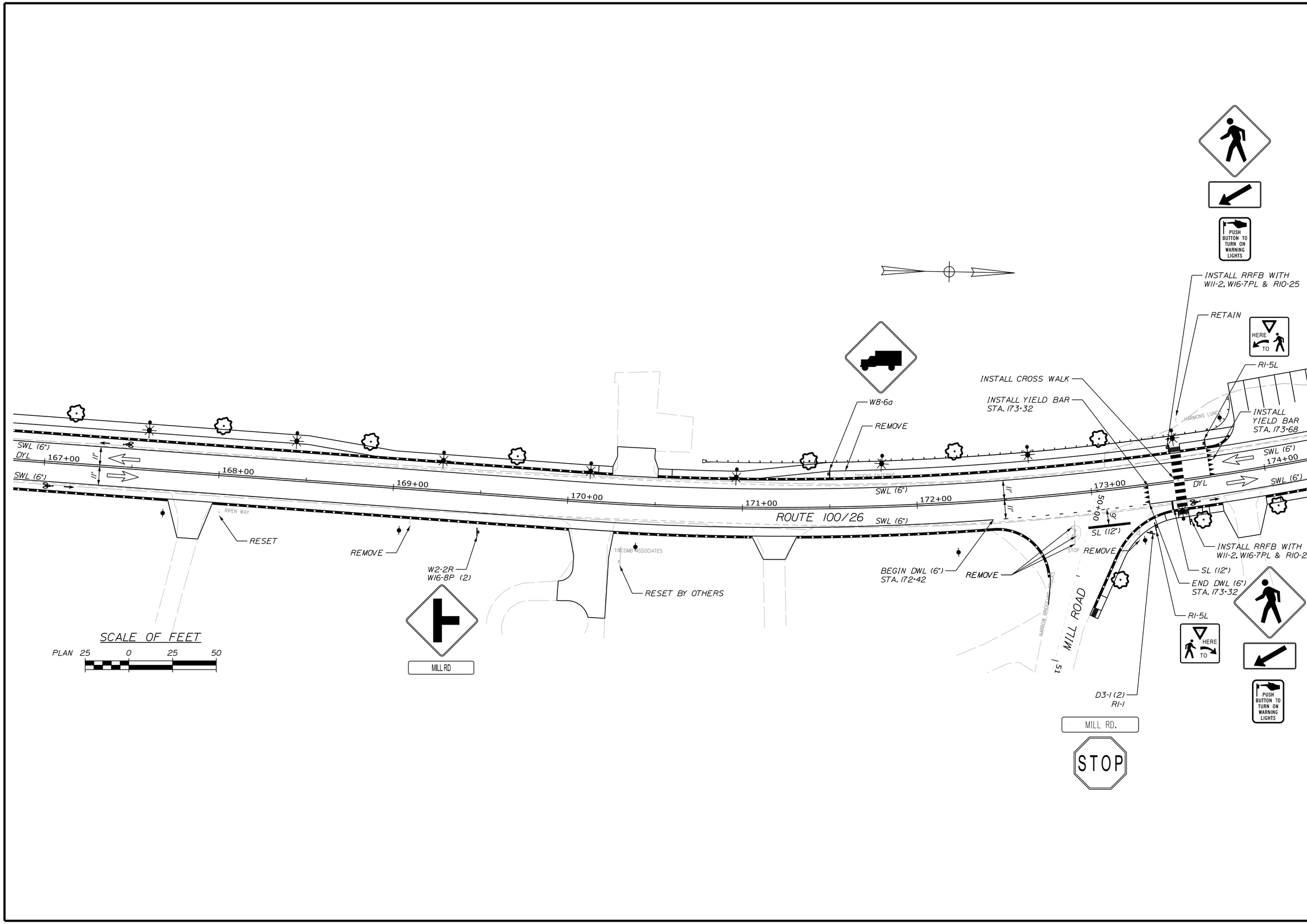
SIGNS AND PAVEMENT MARKINGS PLANS

SHEET NUMBER

191

OF 269

Filename: ...\HIGHWAY\MSTA\191_SPM_Plan7.dgn Division: HIGHWAY Username: mdebowski Date:10/23/2018



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WIN 21784.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	$PROJMANAGER$		
DESIGN-DETAILED	$DESIGNER1$	$DETAILER1$	PROJDATE1$
CHECKED-REVIEWED	$CHECKED1$	$CHECKER1$	CHECKDATE1$
DESIGN2-DETAILED2	$DESIGNER2$	$DETAILER2$	PROJDATE2$
DESIGN3-DETAILED3	$DESIGNER3$	$DETAILER3$	PROJDATE3$
REVISIONS 1	$REVISION1$		REVDATE1$
REVISIONS 2	$REVISION2$		REVDATE2$
REVISIONS 3	$REVISION3$		REVDATE3$
REVISIONS 4	$REVISION4$		REVDATE4$
FIELD CHANGES	$FIELDCHANGES$		FIELDDATE1$

SIGNATURE

P.E. NUMBER

DATE

FALMOUTH
ROUTE 100\26

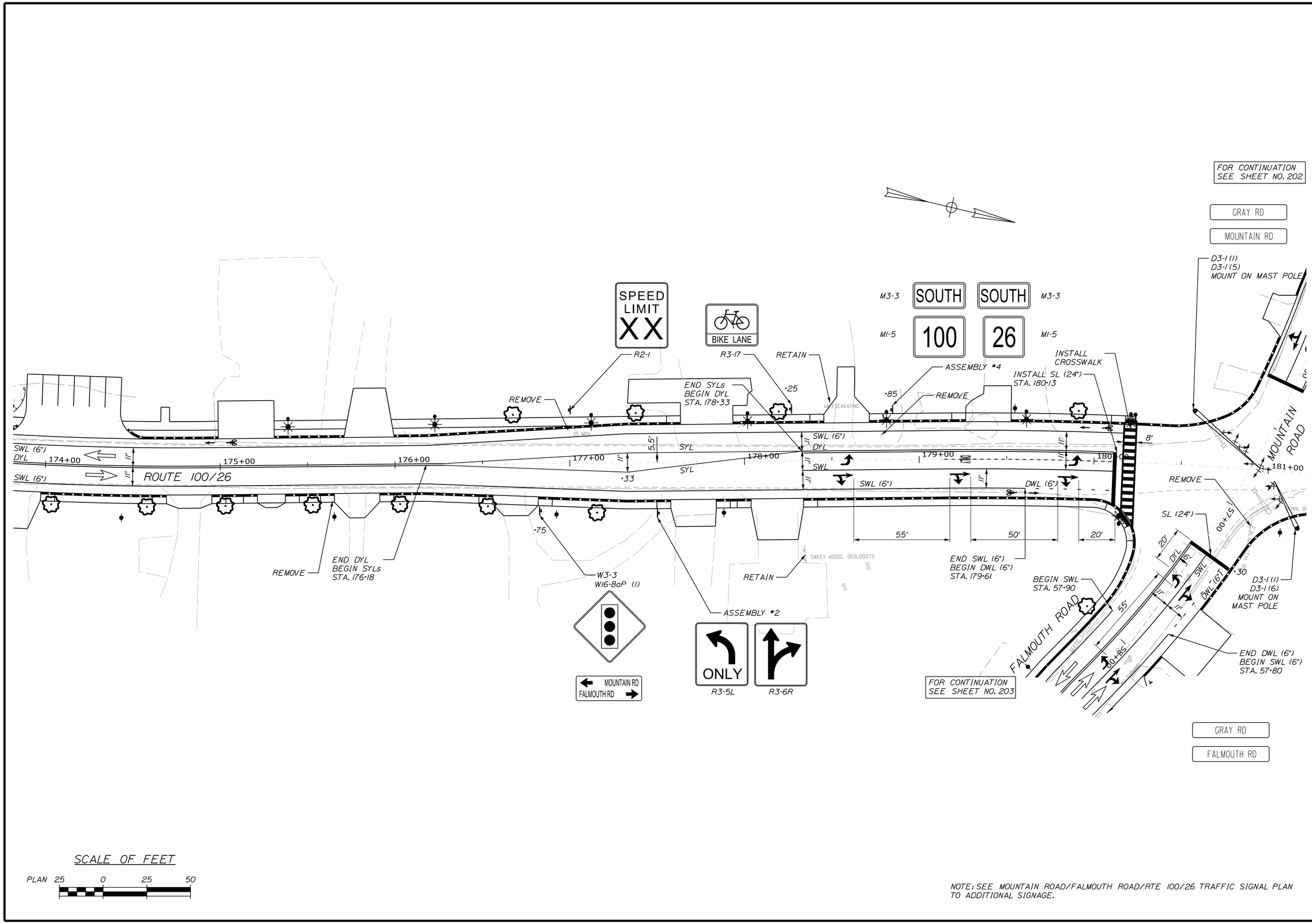
SIGNS AND PAVEMENT
MARKINGS PLANS

SHEET NUMBER

192

OF 269

Filename: ...\HIGHWAY\MSTA\192_SPM_Plan8.dgn Division: HIGHWAY Username: mdebowski Date:10/23/2018



SCALE OF FEET

PLAN 25 0 25 50

NOTE: SEE MOUNTAIN ROAD/FALMOUTH ROAD/RTE 100/26 TRAFFIC SIGNAL PLAN TO ADDITIONAL SIGNAGE.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WIN 21784.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	$PROJMANAGER$		
DESIGN-DETAILED	$DESIGNER1$	$DETALER1$	$PROJDATE1$
CHECKED-REVIEWED	$CHECKED1$	$CHECKER1$	$CHECKDATE1$
DESIGN2-DETAILED2	$DESIGNER2$	$DETALER2$	$PROJDATE2$
DESIGN3-DETAILED3	$DESIGNER3$	$DETALER3$	$PROJDATE3$
REVISIONS 1	$REVISION1$		$REVDATE1$
REVISIONS 2	$REVISION2$		$REVDATE2$
REVISIONS 3	$REVISION3$		$REVDATE3$
REVISIONS 4	$REVISION4$		$REVDATE4$
FIELD CHANGES	$FIELDCHANGES$		$FIELDDATE$

SIGNATURE

P.E. NUMBER

DATE

FALMOUTH
ROUTE 100\26

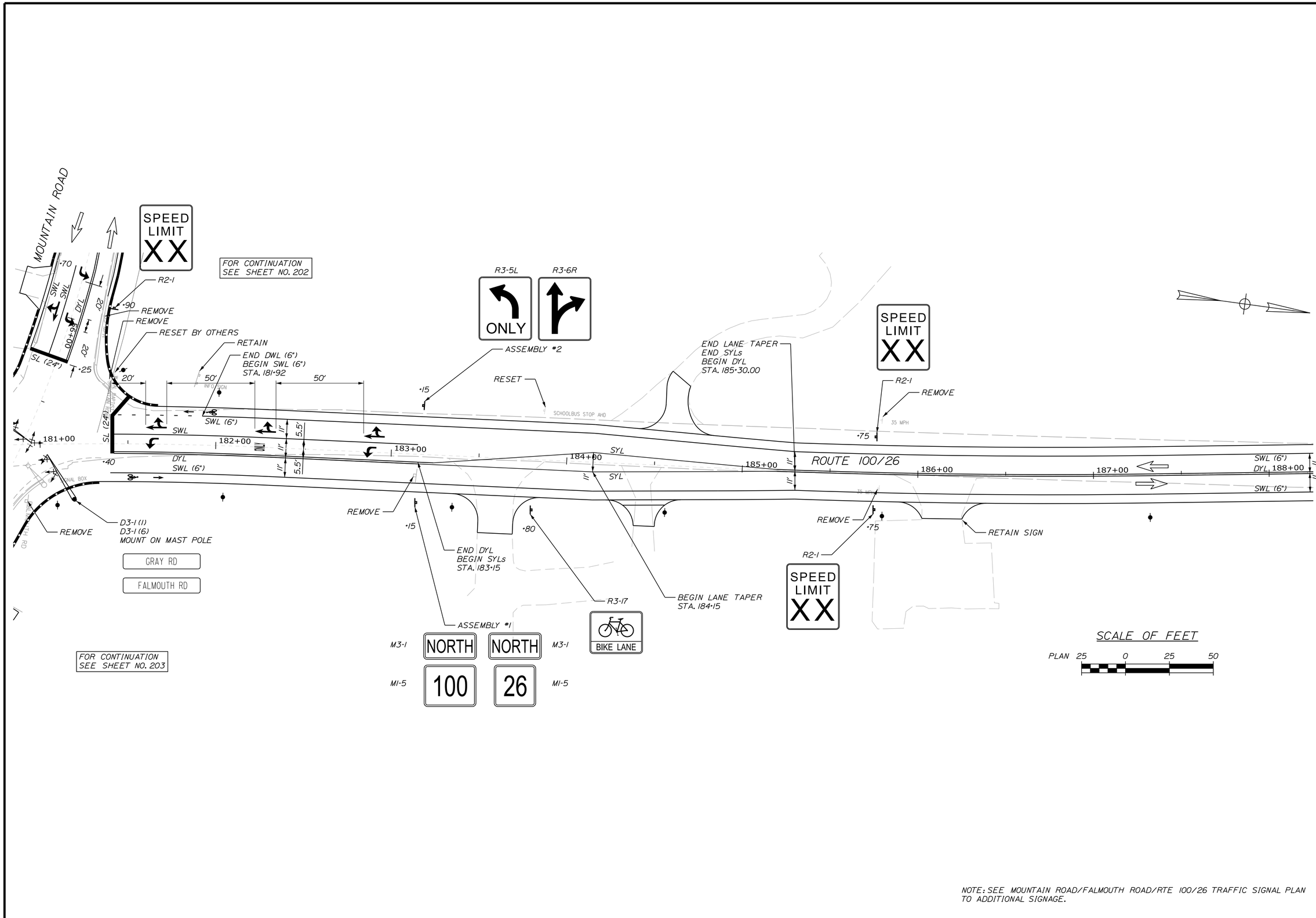
SIGNS AND PAVEMENT
MARKINGS PLANS

SHEET NUMBER

193

OF 269

Filename: ...\HIGHWAY\MSTA\193_SPM_Plan9.dgn Division: HIGHWAY Username: mdebowski Date:10/23/2018



NOTE: SEE MOUNTAIN ROAD/FALMOUTH ROAD/RTE 100/26 TRAFFIC SIGNAL PLAN TO ADDITIONAL SIGNAGE.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WIN 21784.00

HIGHWAY PLANS

	BY	DATE
PROJ. MANAGER	$PROJMANAGER	
DESIGN-DETAILED	$DESIGNER1	$PROJDATE1
CHECKED-REVIEWED	$CHECKED1	$CHECKDATE1
DESIGN2-DETAILED2	$DESIGNER2	$PROJDATE2
DESIGN3-DETAILED3	$DESIGNER3	$PROJDATE3
REVISIONS 1	$REVISION1	$REVDATE1
REVISIONS 2	$REVISION2	$REVDATE2
REVISIONS 3	$REVISION3	$REVDATE3
REVISIONS 4	$REVISION4	$REVDATE4
FIELD CHANGES	$FIELDCHANGES	$FIELDDATE1

SIGNATURE

P.E. NUMBER

DATE

FALMOUTH
ROUTE 100\26

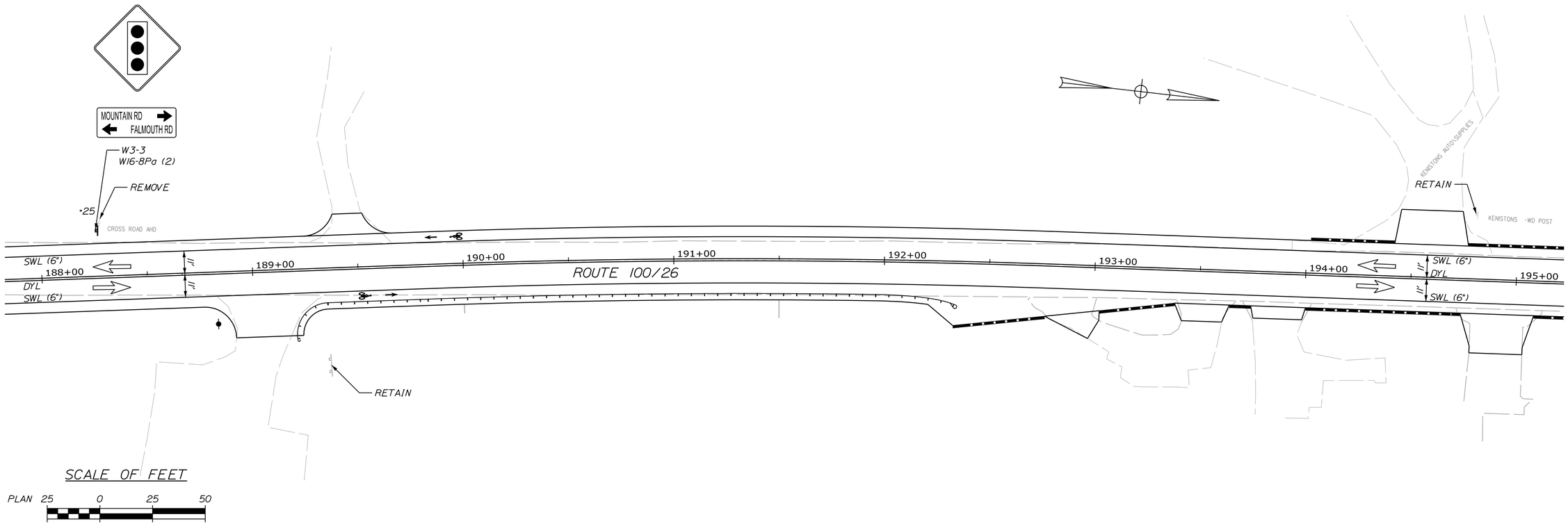
SIGNS AND PAVEMENTS
MARKINGS PLANS

SHEET NUMBER

194

OF 269

Filename: ...\MSTA\194_SPM_Plan10.dgn Division: HIGHWAY Username: mdebowski Date:10/23/2018



PROJ. MANAGER	BY	DATE
DESIGN-DETAILED	$DESIGNER1$	$PROJDATE1$
CHECKED-REVIEWED	$CHECKED1$	$CHECKDATE1$
DESIGN2-DETAILED2	$DESIGNER2$	$PROJDATE2$
DESIGN3-DETAILED3	$DESIGNER3$	$PROJDATE3$
REVISIONS 1	$REVISION1$	$REVDATE1$
REVISIONS 2	$REVISION2$	$REVDATE2$
REVISIONS 3	$REVISION3$	$REVDATE3$
REVISIONS 4	$REVISION4$	$REVDATE4$
FIELD CHANGES	$FIELDCHANGES$	$FIELDDATE$

SIGNATURE

P.E. NUMBER

DATE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WIN 21784.00

HIGHWAY PLANS

FALMOUTH
ROUTE 100\26

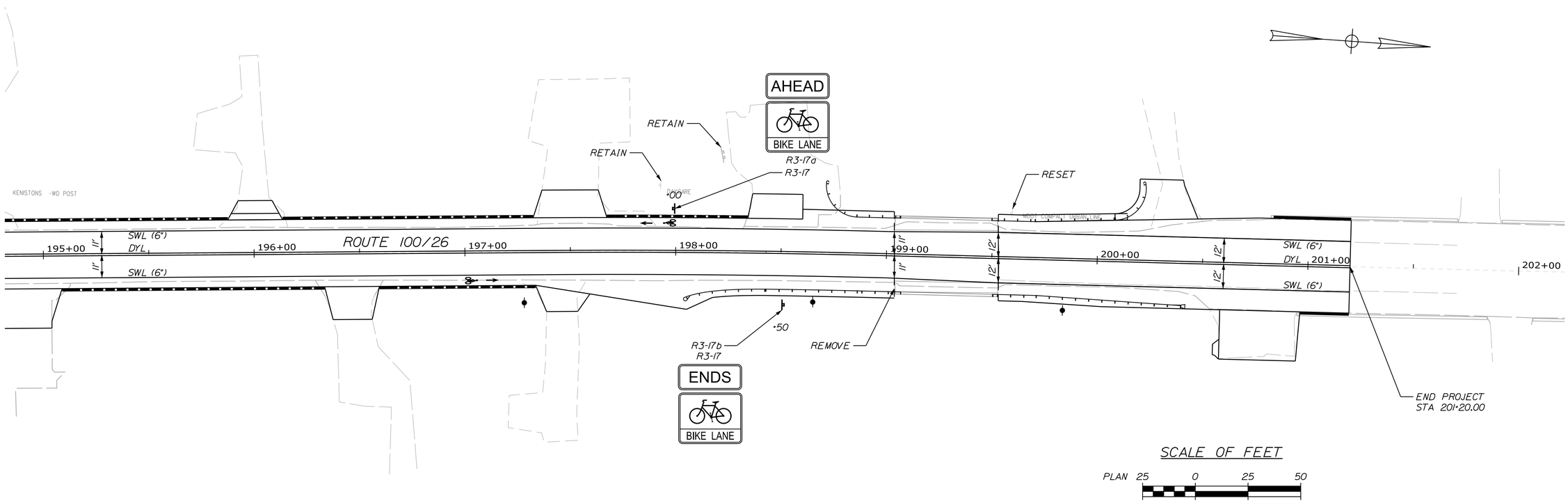
SIGNS AND PAVEMENT
MARKINGS PLANS

SHEET NUMBER

195

OF 269

Filename: ...\MSTA\195_SPM_Plan11.dgn Division: HIGHWAY Username: mdebowski Date:10/23/2018



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WIN 21784.00 HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$	BY	DATE
DESIGN-DETAILED	$DESIGNERT$	$DETAILER$	PROJDATE$
CHECKED-REVIEWED	$CHECKEDT$	$CHECKER$	CHECKDATE$
DESIGN2-DETAILED2	$DESIGNERT2$	$DETAILER2$	PROJDATE2$
DESIGN3-DETAILED3	$DESIGNERT3$	$DETAILER3$	PROJDATE3$
REVISIONS 1	$REVISION1$		REVDATE1$
REVISIONS 2	$REVISION2$		REVDATE2$
REVISIONS 3	$REVISION3$		REVDATE3$
REVISIONS 4	$REVISION4$		REVDATE4$
FIELD CHANGES	$FIELDCHANGES$		FIELDDATE$

SIGNATURE

P.E. NUMBER

DATE

FALMOUTH
ROUTE 100\26

SIGNS AND PAVEMENT
MARKINGS PLANS

SHEET NUMBER

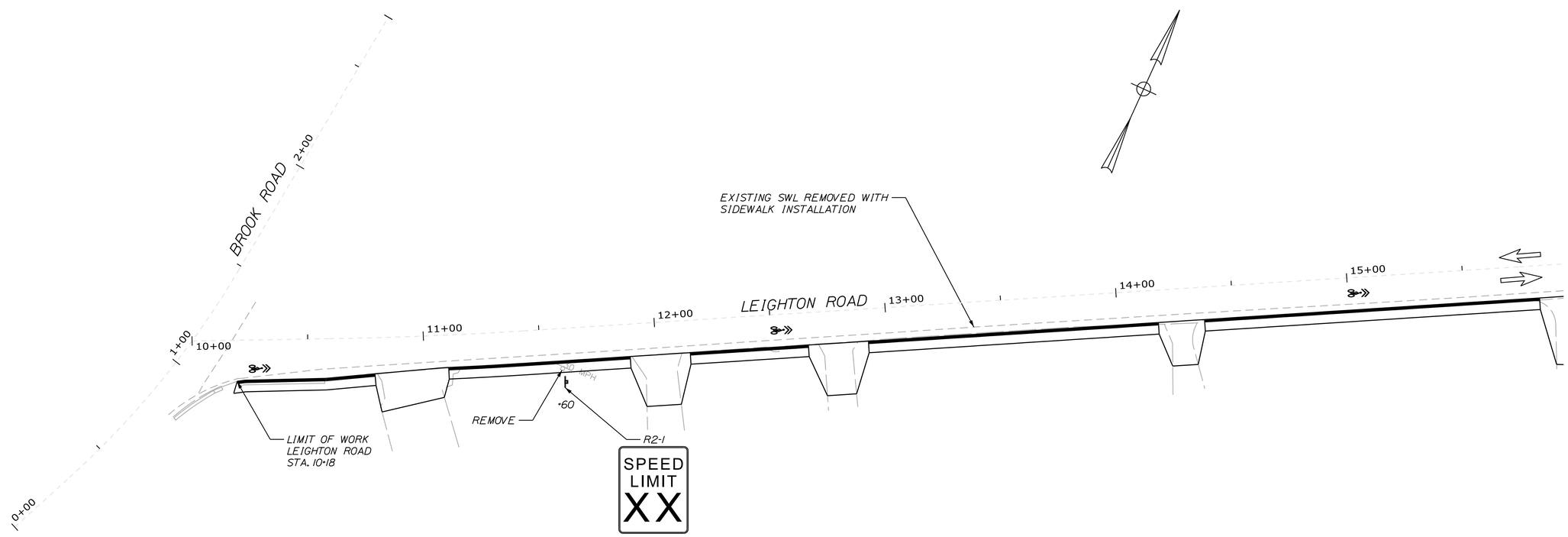
196

OF 269

Filename: ...\MSTA\196_SPM_Plan12.dgn Division: HIGHWAY Username: mdebowski Date:10/23/2018

SHARED LANE MARKING

Station	Side
10+25	RT
12+50	RT
15+00	RT
17+50	RT
20+00	RT
24+50	RT
27+00	RT
29+50	RT
32+00	RT
34+50	RT
38+00	RT
40+50	RT



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WIN 21784.00 HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	$PROJMANAGER$		
DESIGN-DETAILED	$DESIGNER1$	$DETAILER1$	$PROJDATE1$
CHECKED-REVIEWED	$CHECKED1$	$CHECKER1$	$CHECKDATE1$
DESIGN2-DETAILED2	$DESIGNER2$	$DETAILER2$	$PROJDATE2$
DESIGN3-DETAILED3	$DESIGNER3$	$DETAILER3$	$PROJDATE3$
REVISIONS: 1	$REVISION1$		$REVDATE1$
REVISIONS: 2	$REVISION2$		$REVDATE2$
REVISIONS: 3	$REVISION3$		$REVDATE3$
REVISIONS: 4	$REVISION4$		$REVDATE4$
FIELD CHANGES	$FIELDCHANGES$		$FIELDDATE1$

SIGNATURE

P.E. NUMBER

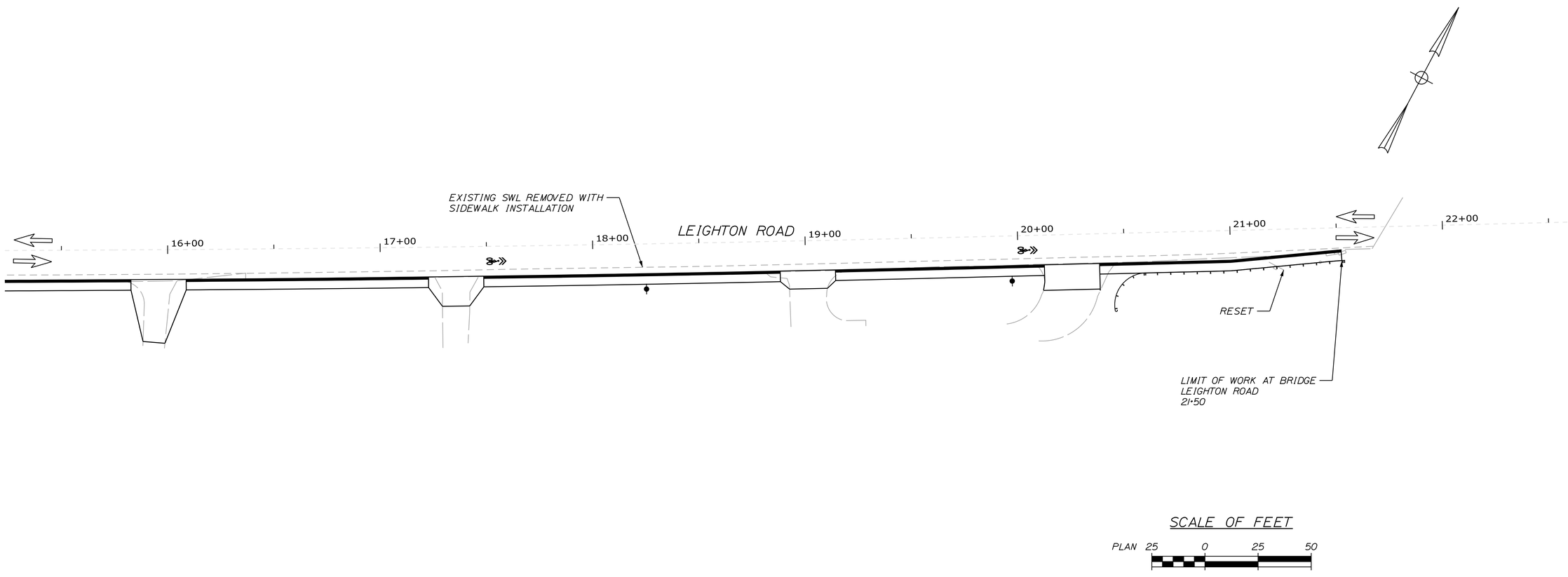
DATE

FALMOUTH
ROUTE 100\26

SIGNS AND MARKING
PLANS PLANS

SHEET NUMBER
197
OF 269

Filename: ...\MSTA\197_SPM_Plan13.dgn Division: HIGHWAY Username: mdebowski Date:10/23/2018



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WIN 21784.00 HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	$PROJMANAGER$		
DESIGN-DETAILED	$DESIGNER1$	$DETAILER1$	$PROJDATE1$
CHECKED-REVIEWED	$CHECKED1$	$CHECKER1$	$CHKDATE1$
DESIGN2-DETAILED2	$DESIGNER2$	$DETAILER2$	$PROJDATE2$
DESIGN3-DETAILED3	$DESIGNER3$	$DETAILER3$	$PROJDATE3$
REVISIONS: 1	$REVISION1$		$REVDATE1$
REVISIONS: 2	$REVISION2$		$REVDATE2$
REVISIONS: 3	$REVISION3$		$REVDATE3$
REVISIONS: 4	$REVISION4$		$REVDATE4$
FIELD CHANGES	$FIELDCHANGES$		$FIELDDATE1$

SIGNATURE

P.E. NUMBER

DATE

FALMOUTH
ROUTE 100\26

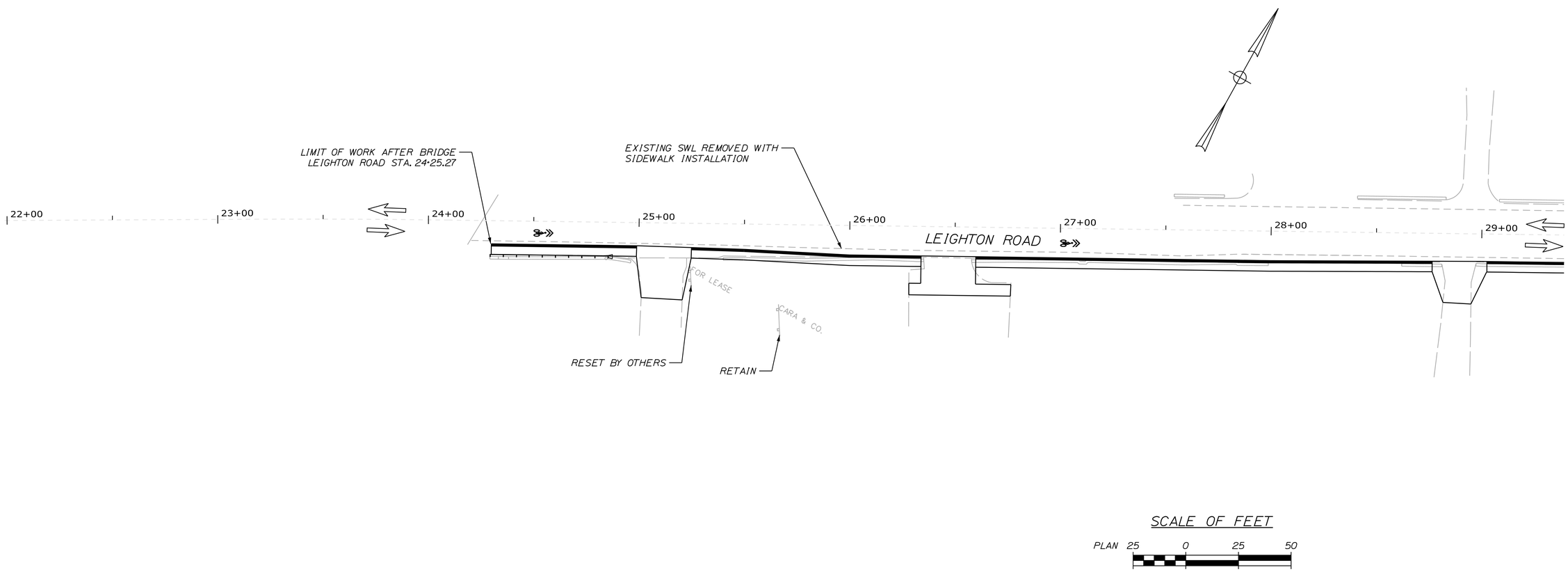
SIGNS AND PAVEMENT MARKINGS PLANS

SHEET NUMBER

198

OF 269

Filename: ...\MSTA\198_SPM_Plan14.dgn Division: HIGHWAY Username: mdebowski Date:10/23/2018



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WIN 21784.00 HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$	BY	DATE
DESIGN-DETAILED	$DESIGNER1$	$DETAILER1$	$PROJDATE1$
CHECKED-REVIEWED	$CHECKED1$	$CHECKER1$	$CHKDATE1$
DESIGN2-DETAILED2	$DESIGNER2$	$DETAILER2$	$PROJDATE2$
DESIGN3-DETAILED3	$DESIGNER3$	$DETAILER3$	$PROJDATE3$
REVISIONS 1	$REVISION1$		$REVDATE1$
REVISIONS 2	$REVISION2$		$REVDATE2$
REVISIONS 3	$REVISION3$		$REVDATE3$
REVISIONS 4	$REVISION4$		$REVDATE4$
FIELD CHANGES	$FIELDCHANGES$		$FIELDDATE$

SIGNATURE

P.E. NUMBER

DATE

FALMOUTH
ROUTE 100\26

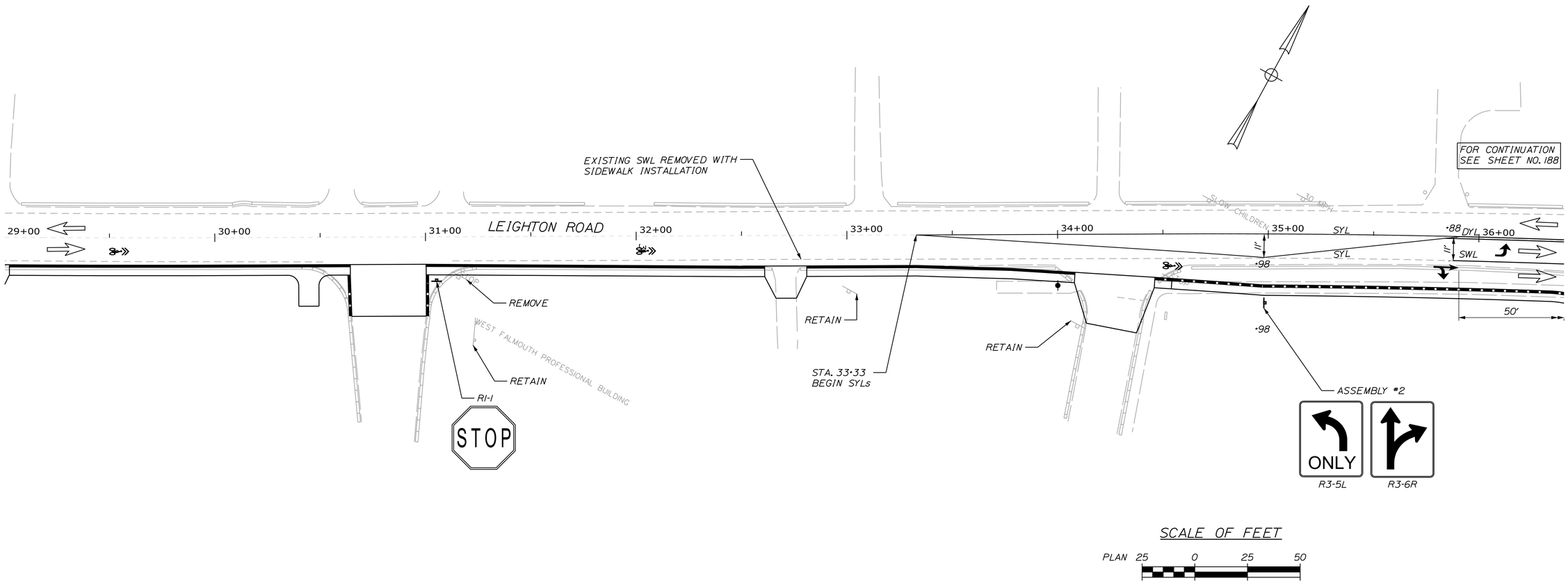
SIGNS AND PAVEMENT MARKINGS PLANS

SHEET NUMBER

199

OF 269

Filename: ...\MSTA\199_SPM_Plan15.dgn Division: HIGHWAY Username: mdebowski Date:10/23/2018



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WIN 21784.00 HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$	BY	DATE
DESIGN-DETAILED	$DESIGNER1$	$DETAILER1$	$PROJDATE1$
CHECKED-REVIEWED	$CHECKED1$	$CHECKER2$	$CHECKDATE$
DESIGN2-DETAILED2	$DESIGNER2$	$DETAILER2$	$PROJDATE2$
DESIGN3-DETAILED3	$DESIGNER3$	$DETAILER3$	$PROJDATE3$
REVISIONS 1	$REVISION1$		$REVDATE1$
REVISIONS 2	$REVISION2$		$REVDATE2$
REVISIONS 3	$REVISION3$		$REVDATE3$
REVISIONS 4	$REVISION4$		$REVDATE4$
FIELD CHANGES	$FIELDCHANGES$		$FIELDDATE$

SIGNATURE

P.E. NUMBER

DATE

FALMOUTH
ROUTE 100\26

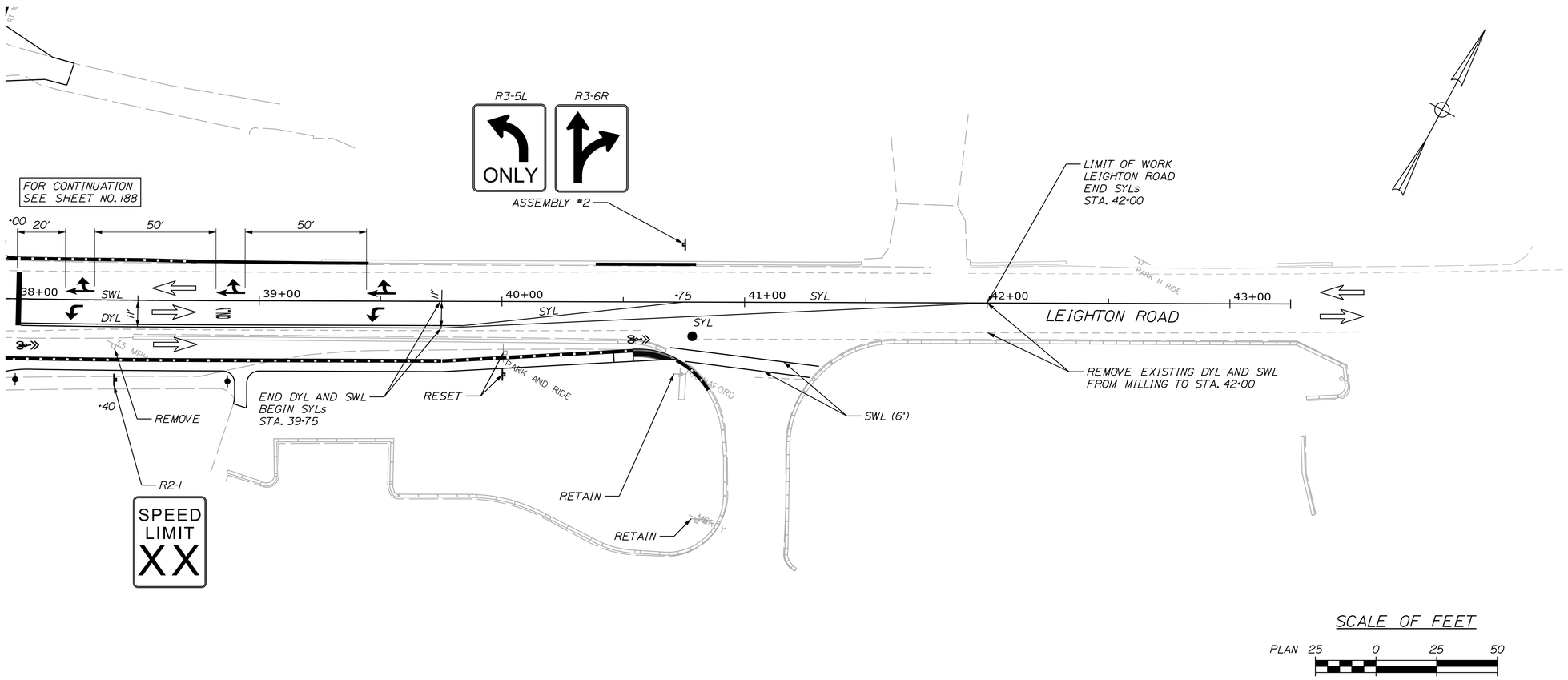
SIGNS AND PAVEMENT MARKINGS PLANS

SHEET NUMBER

200

OF 269

Filename: ...\MSTA\200_SPM_Plan16.dgn Division: HIGHWAY Username: mdebowski Date:10/23/2018



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WIN 21784.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$	BY	DATE
DESIGN-DETAILED	$DESIGNER1$	$DETAILER1$	PROJDATE1$
CHECKED-REVIEWED	$CHECKED1$	$CHECKER1$	CHECKDATE1$
DESIGN2-DETAILED2	$DESIGNER2$	$DETAILER2$	PROJDATE2$
DESIGN3-DETAILED3	$DESIGNER3$	$DETAILER3$	PROJDATE3$
REVISIONS 1	$REVISION1$		REVDATE1$
REVISIONS 2	$REVISION2$		REVDATE2$
REVISIONS 3	$REVISION3$		REVDATE3$
REVISIONS 4	$REVISION4$		REVDATE4$
FIELD CHANGES	$FIELDCHANGES$		FIELDDATE1$

SIGNATURE

P.E. NUMBER

DATE

FALMOUTH
ROUTE 100\26

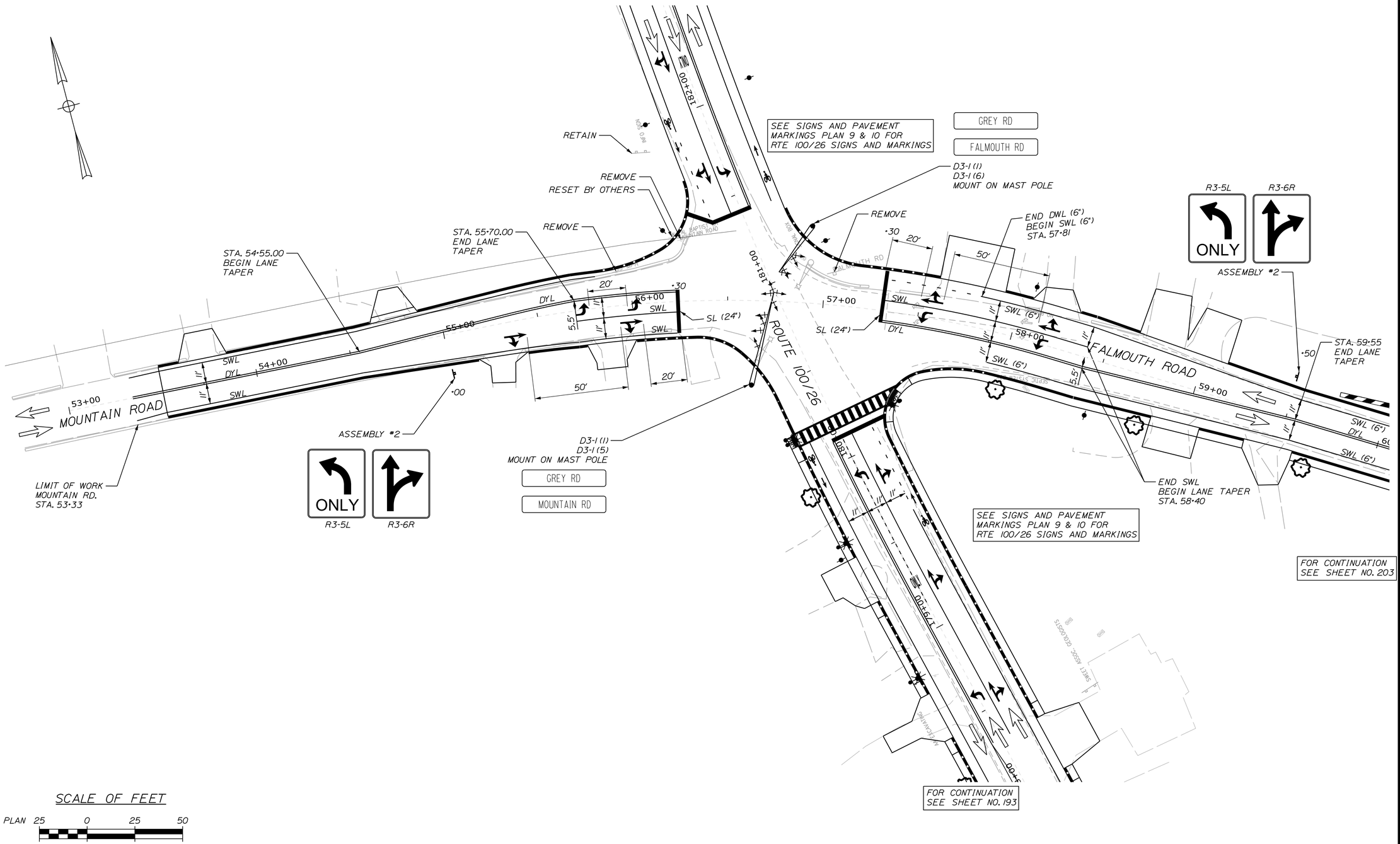
SIGNS AND PAVEMENT
MARKINGS PLANS

SHEET NUMBER

201

OF 269

Filename: ...\MSTA\201_SPM_Plan17.dgn Division: HIGHWAY Username: mdebowski Date:10/23/2018



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WIN 21784.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$	BY	DATE
DESIGN-DETAILED	$DESIGNER1$	$DETALER1$	$PROJDATE1$
CHECKED-REVIEWED	$CHECKED1$	$CHECKED2$	$CHECKDATE$
DESIGN2-DETAILED2	$DESIGNER2$	$DETALER2$	$PROJDATE2$
DESIGN3-DETAILED3	$DESIGNER3$	$DETALER3$	$PROJDATE3$
REVISIONS 1	$REVISION1$		$REVDATE1$
REVISIONS 2	$REVISION2$		$REVDATE2$
REVISIONS 3	$REVISION3$		$REVDATE3$
REVISIONS 4	$REVISION4$		$REVDATE4$
FIELD CHANGES	$FIELDCHANGES$		$FIELDDATE$

SIGNATURE

P.E. NUMBER

DATE

FALMOUTH
ROUTE 100\26

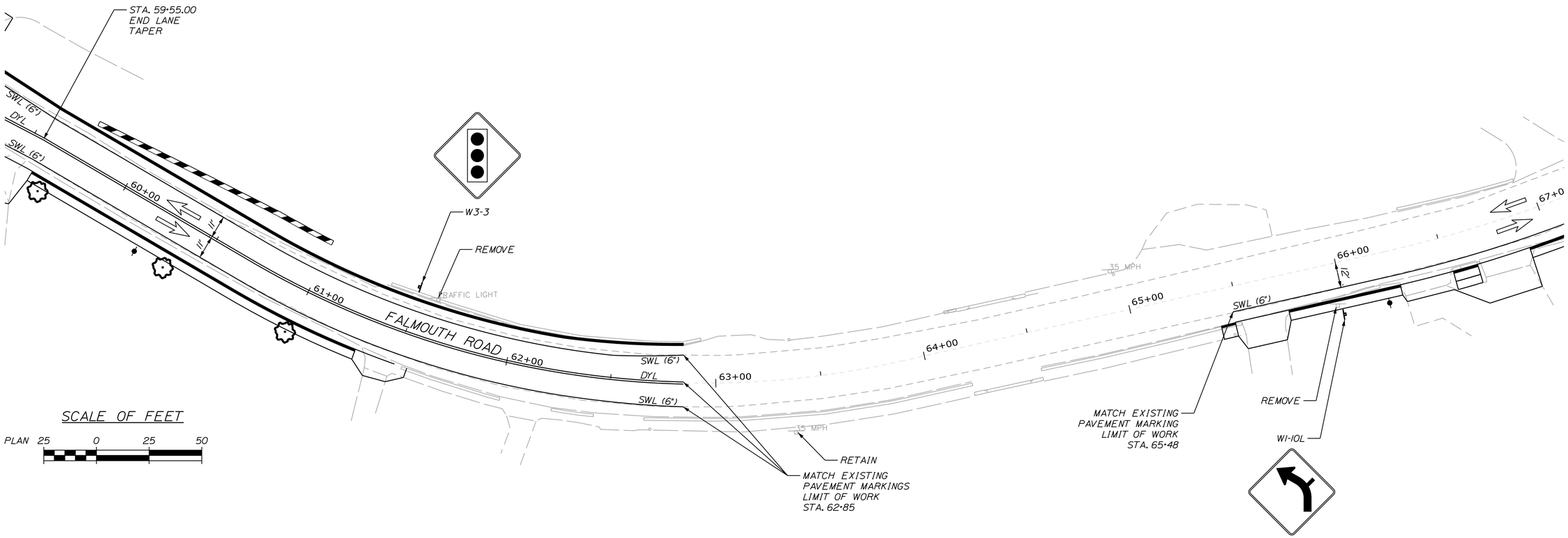
SIGNS AND PAVEMENT
MARKINGS PLANS

SHEET NUMBER

202

OF 269

Filename: ...\MSTA\202_SPM_Plan18.dgn Division: HIGHWAY Username: mdebowski Date:10/23/2018



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WIN 21784.00 HIGHWAY PLANS

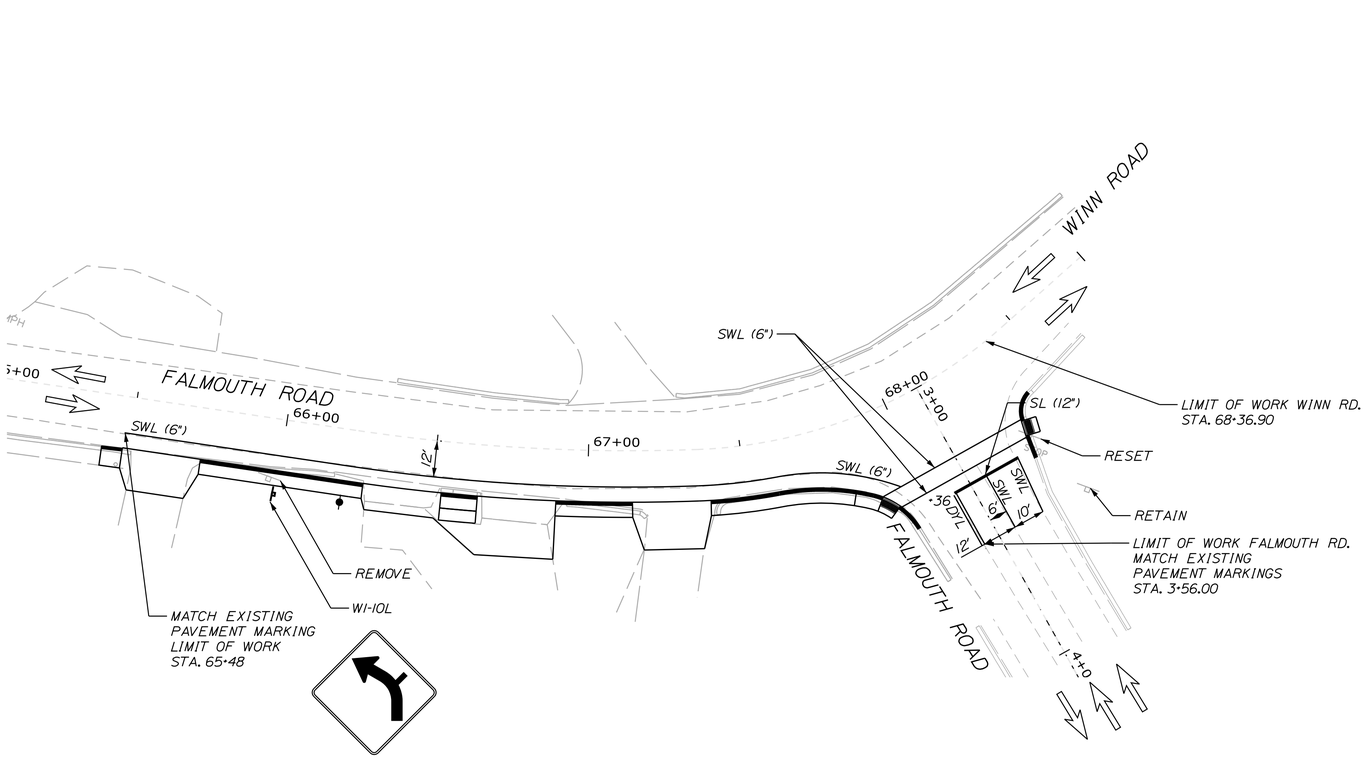
PROJ. MANAGER	$PROJMANAGER$	BY	DATE
DESIGN-DETAILED	$DESIGNER1$	$DETAILER1$	$PROJDATE1$
CHECKED-REVIEWED	$CHECKED1$	$CHECKED2$	$CHECKDATE$
DESIGN2-DETAILED2	$DESIGNER2$	$DETAILER2$	$PROJDATE2$
DESIGN3-DETAILED3	$DESIGNER3$	$DETAILER3$	$PROJDATE3$
REVISIONS 1	$REVISION1$	$REVDATE1$	P.E. NUMBER
REVISIONS 2	$REVISION2$	$REVDATE2$	
REVISIONS 3	$REVISION3$	$REVDATE3$	
REVISIONS 4	$REVISION4$	$REVDATE4$	DATE
FIELD CHANGES	$FIELDCHANGES$	$FIELDDATE$	SIGNATURE

FALMOUTH
ROUTE 100\26

SIGNS AND PAVEMENT
MARKINGS PLANS

SHEET NUMBER
203
OF 269

Filename: ...\MSTA\203_SPM_Plan19.dgn Division: HIGHWAY Username: mdebowski Date:10/23/2018



SCALE OF FEET

PLAN 25 0 25 50

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WIN 21784.00 HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$	BY	DATE
DESIGN-DETAILED	$DESIGNER1$	$DETAILER1$	$PROJDATE1$
CHECKED-REVIEWED	$CHECKED1$	$CHECKER1$	$CHECKDATE1$
DESIGN2-DETAILED2	$DESIGNER2$	$DETAILER2$	$PROJDATE2$
DESIGN3-DETAILED3	$DESIGNER3$	$DETAILER3$	$PROJDATE3$
REVISIONS 1	$REVISION1$		$REVDATE1$
REVISIONS 2	$REVISION2$		$REVDATE2$
REVISIONS 3	$REVISION3$		$REVDATE3$
REVISIONS 4	$REVISION4$		$REVDATE4$
FIELD CHANGES	$FIELDCHANGES$		$FIELDDATE$

SIGNATURE

P.E. NUMBER

DATE

FALMOUTH
ROUTE 100\26

SIGNS AND PAVEMENT
MARKINGS PLANS

SHEET NUMBER

204

OF 269

Filename: ...\MSTA\204_SPM_Plan20.dgn Division: HIGHWAY Username: mdebowski Date:10/23/2018

PROPOSED SIGN SUMMARY

ITEM NUMBER	IDENTIFI-CATION NUMBER	SIZE OF SIGN		TEXT	TEXT DIMENSIONS			COLOR		TYPE	SUPPORT	NUMBER OF SIGNS REQUIRED	SIGN AREA (SQ. FT.)		REMARKS
		WIDTH	HEIGHT		LETTER HEIGHT	VERTICAL SPACING	SHIELD/ ARROW	BACK-GROUND	LEGEND BORDER				NOM. AREA	TOTAL AREA	
645.291	D3-1(1)	24"	9"	Gray Rd	TEXT DIMENSIONS SHALL CONFORM TO "STANDARD HIGHWAY SIGNS"			GREEN	WHITE	TYPE II	---	3	1.50	4.50	MOUNT ON MAST POLE
645.291	D3-1(2)	24"	9"	Mill Rd				GREEN	WHITE	TYPE II	---	1	1.50	1.50	MOUNT ON R1-1
645.291	D3-1(3)	28"	9"	Marston St.				GREEN	WHITE	TYPE II	---	1	1.75	1.75	MOUNT ON R1-1
645.291	D3-1(4)	30"	9"	Falmouth Rd				GREEN	WHITE	TYPE II	---	1	1.88	1.88	MOUNT ON MAST POLE
645.291	D3-1(5)	30"	9"	Mountain Rd				GREEN	WHITE	TYPE II	---	1	1.88	1.88	MOUNT ON MAST POLE
645.291	D3-1(6)	30"	9"	Leighton Rd				GREEN	WHITE	TYPE II	---	1	1.88	1.88	MOUNT ON MAST POLE
645.292	M1-1	24"	24"	INTERSTATE 95				BLUE	WHITE	TYPE II	ASSEMBLY	1	4.00	4.00	SEE PROPOSED SIGN ASSEMBLIES
645.292	M (TURNPIKE)	24"	24"					N/A	N/A	TYPE II	ASSEMBLY	1	4.00	4.00	SEE PROPOSED SIGN ASSEMBLIES
645.292	M1-5 (26)	24"	24"	26				WHITE	BLACK	TYPE II	ASSEMBLY	3	4.00	12.00	SEE PROPOSED SIGN ASSEMBLIES
645.292	M1-5 (100)	30"	24"	100				WHITE	BLACK	TYPE II	ASSEMBLY	3	5.00	15.00	SEE PROPOSED SIGN ASSEMBLIES
645.292	M2-1	21"	15"	JCT				WHITE	BLACK	TYPE II	ASSEMBLY	1	2.19	2.19	SEE PROPOSED SIGN ASSEMBLIES
645.292	M3-1	24"	12"	NORTH				WHITE	BLACK	TYPE II	ASSEMBLY	4	2.00	8.00	SEE PROPOSED SIGN ASSEMBLIES
645.292	M3-3	24"	12"	SOUTH				WHITE	BLACK	TYPE II	ASSEMBLY	2	2.00	4.00	SEE PROPOSED SIGN ASSEMBLIES
645.292	R1-1	30"	30"	STOP				RED	WHITE	TYPE II	4" X 4" WOOD POST	4	6.25	25.00	MOUNT WITH D3-1
645.292	R1-5L	36"	36"	HERE TO				WHITE	BLACK	TYPE II	4" X 4" WOOD POST	3	9.00	27.00	
645.292	R2-1	24"	30"	SPEED LIMIT XX				WHITE	BLACK	TYPE II	U CHANNEL	7	5.00	35.00	SPEED LIMIT NUMBERS TO BE PROVIDED BY MAINE DOT
645.292	R3-2	24"	24"					WHITE	BLACK	TYPE II	U CHANNEL	1	4.00	4.00	
645.292	R3-5L	30"	36"	ONLY				WHITE	BLACK	TYPE II	ASSEMBLY	8	7.50	60.00	SEE PROPOSED SIGN ASSEMBLIES
645.292	R3-6R	30"	36"					WHITE	BLACK	TYPE II	ASSEMBLY	8	7.50	60.00	SEE PROPOSED SIGN ASSEMBLIES
645.292	R3-17	24"	18"	BIKE LANE				BLACK	WHITE	TYPE II	U CHANNEL	7	3.00	21.00	
645.292	R3-17	24"	8"	AHEAD				WHITE	BLACK	TYPE II	--	1	1.33	1.33	MOUNT WITH R3-17
645.292	R3-17	24"	8"	ENDS				WHITE	BLACK	TYPE II	--	1	1.33	1.33	MOUNT WITH R3-17
645.292	R4-4	36"	30"	BEGIN RIGHT TURN LANE YIELD TO BIKES				WHITE	BLACK	TYPE II	4" X 4" POST	1	7.50	7.50	
645.292	R4-7	24"	30"					WHITE	BLACK	TYPE II	4" X 4" POST	2	5.00	10.00	MOUNT WITH OM1-1
645.292	R5-1a	36"	24"	WRONG WAY				WHITE	BLACK	TYPE II	4" X 4" POST	2	6.00	12.00	
645.292	R10-3e	9"	15"					WHITE	BLACK	TYPE II	--	6	0.94	5.63	MOUNT AS DIRECTED ON TRAFFIC SIGNAL PLANS

SIGN SUMMARY NOTES:

1. SIGN TEXT SHALL CONFORM TO MUTCD.
2. SIGN TYPE AND LOCATIONS SHALL BE IN ACCORDANCE WITH MUTCD.
3. ALL SIGNS TO BE BREAKAWAY.
4. THE COST OF BREAKAWAY SUPPORTS FOR TYPE II SIGNS SHALL BE INCIDENTAL TO ITEM 645.291 AND 645.292.
5. SIGN LOCATIONS ARE APPROXIMATE AND TO BE VERIFIED IN THE FIELD.
6. ALL MOUNTING HARDWARE SHALL BE INCIDENTAL TO OTHER SIGNING ITEMS.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WIN 21784.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	E. MARTIN		
DESIGN-DETAILED	M. DEBOWSKI	-----	-----
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	S. BABALIS	-----	-----
DESIGN3-DETAILED3	R. LEMIRE	-----	-----
REVISIONS: 1	-----	-----	-----
REVISIONS: 2	-----	-----	-----
REVISIONS: 3	-----	-----	-----
REVISIONS: 4	-----	-----	-----
FIELD CHANGES	-----	-----	-----

SIGNATURE

P.E. NUMBER

DATE

FALMOUTH
ROUTE 100/26

SIGN SUMMARY

SHEET NUMBER

205

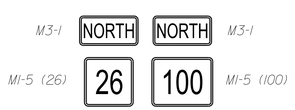
OF 269

Filename: Division: HIGHWAY Username: COMMON Date:2/21/2011

PROPOSED SIGN SUMMARY

ITEM NUMBER	IDENTIFI-CATION NUMBER	SIZE OF SIGN		TEXT	TEXT DIMENSIONS			COLOR		TYPE	SUPPORT	NUMBER OF SIGNS REQUIRED	SIGN AREA (SQ. FT.)		REMARKS
		WIDTH	HEIGHT		LETTER HEIGHT	VERTICAL SPACING	SHIELD/ ARROW	BACK-GROUND	LEGEND BORDER				NOM. AREA	TOTAL AREA	
645.292	R10-12m	30"	36"	LEFT TURN YIELD ON FLASHING	TEXT DIMENSIONS SHALL CONFORM TO "STANDARD HIGHWAY SIGNS"			WHITE	BLACK	TYPE II	--	5	7.50	37.50	USE YELLOW ARROW MOUNT AS DIRECTED ON TRAFFIC SIGNAL PLANS
643.60	R10-25	9"	12"	PUSH BUTTON TO TURN ON WARNING LIGHTS				WHITE	BLACK	TYPE II	SEE SP 643	4	0.75	3.00	MOUNT WITH RRFB
645.292	W1-10L	36"	36"					YELLOW	BLACK	TYPE II	4" X 4" POST	1	9.00	9.00	
645.292	W2-2R	30"	30"					YELLOW	BLACK	TYPE II	4" X 4" POST	1	6.25	6.25	MOUNT WITH W16-8P
645.292	W3-3	30"	30"					YELLOW	BLACK	TYPE II	4" X 4" POST	4	6.25	25.00	MOUNT WITH W16-8P OR W16-8Pa
645.292	W11-10	36"	36"					YELLOW	BLACK	TYPE II	4" X 4" POST	1	9.00	9.00	
643.60	W11-2	30"	30"					FLUORES-CENT YELLOW-GREEN	BLACK	TYPE II	SEE SP 643	4	6.25	25.00	MOUNT WITH RRFB
643.60	W16-7PL	24"	12"					FLUORES-CENT YELLOW-GREEN	BLACK	TYPE II	SEE SP 643	4	2.00	8.00	MOUNT WITH RRFB
645.292	W16-8P (1)	24"	8"	LEIGHTON RD				YELLOW	BLACK	TYPE II	--	1	1.33	1.33	MOUNT WITH W3-3
645.292	W16-8P (2)	24"	8"	MILL RD				YELLOW	BLACK	TYPE II	--	1	1.33	1.33	MOUNT WITH W2-2R
645.292	W16-8Pa (1)	24"	15"	MOUNTAIN RD / FALMOUTH RD				YELLOW	BLACK	TYPE II	--	1	2.50	2.50	MOUNT WITH W3-3
645.292	W16-8Pa (2)	24"	15"	MOUNTAIN RD / FALMOUTH RD				YELLOW	BLACK	TYPE II	--	1	2.50	2.50	MOUNT WITH W3-3
645.292	OM1-1	18"	18"					N/A	N/A	TYPE II	-- U CHANNEL	2	2.25	4.50	MOUNT WITH R4-7 MOUNT AT 4' HEIGHT

PROPOSED ASSEMBLIES



ASSEMBLY #1

ROUTE 100/26
STA. 144+20 RT
STA. 183+15 RT

SINGLE 4" X 6" WOOD POST
AREA = 13.00 SF

ASSEMBLY #2

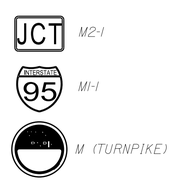
ROUTE 100/26
STA. 139+60 RT
STA. 145+35 LT
STA. 177+33 RT
STA. 183+15 LT

LEIGHTON ROAD
STA. 35+00 RT
STA. 40+75 LT

MOUNTAIN ROAD
STA. 55+00 RT

FALMOUTH ROAD
STA. 59+50 LT

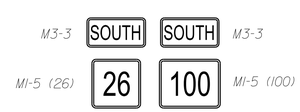
SINGLE 4" X 6" WOOD POST
AREA = 15.00 SF



ASSEMBLY #3

ROUTE 100/26
STA. 147+00 LT

SINGLE 4" X 6" WOOD POST
AREA = 10.19 SF



ASSEMBLY #4

ROUTE 100/26
STA. 178+78 LT

SINGLE 4" X 6" WOOD POST
AREA = 13.00 SF

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WIN 21784.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	E. MARTIN		
DESIGN-DETAILED	M. DEBOWSKI		
CHECKED-REVIEWED			
DESIGN2-DETAILED2	S. BABALIS		
DESIGN3-DETAILED3	R. LEMIRE		
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE

P.E. NUMBER

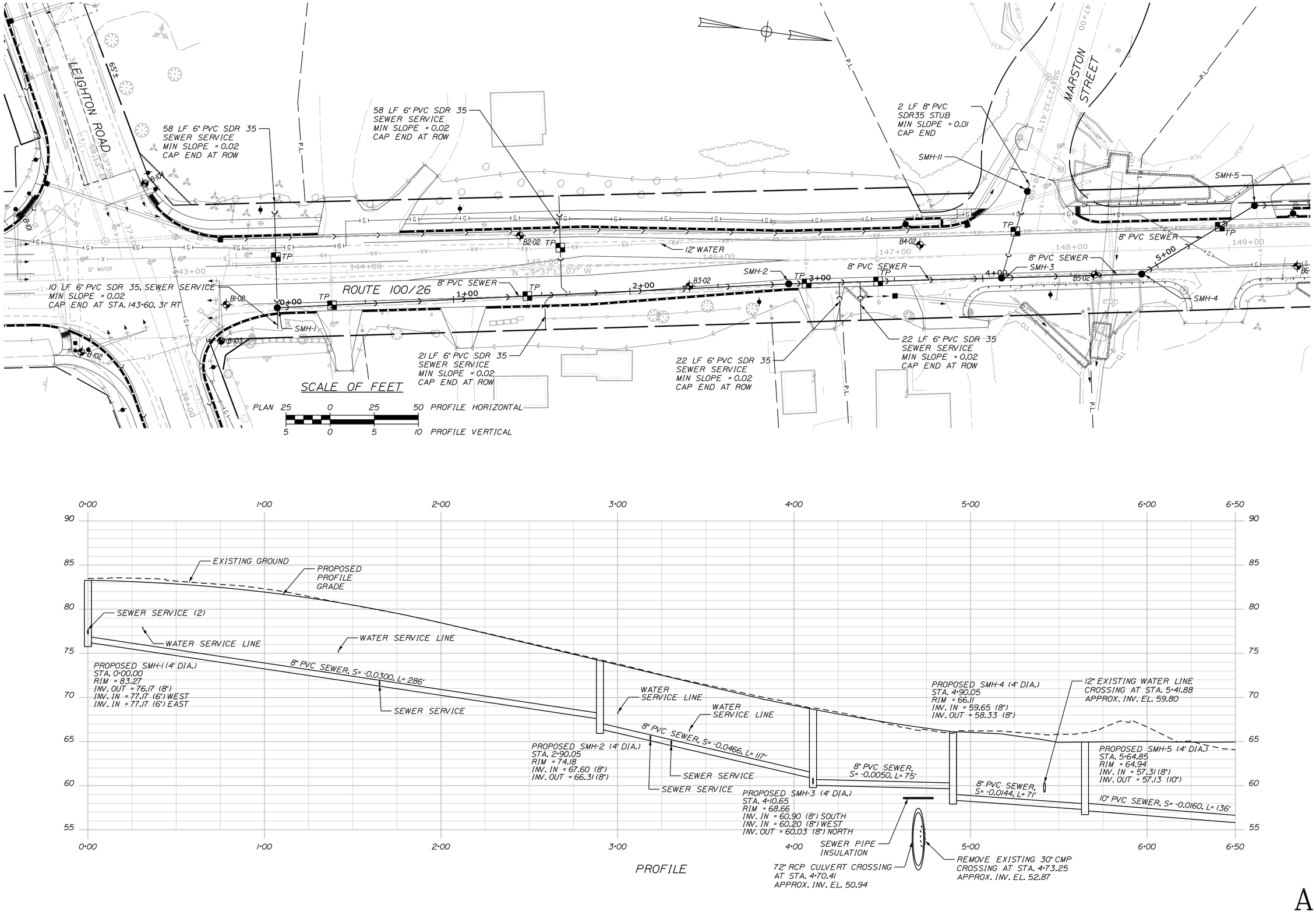
DATE

FALMOUTH
ROUTE 100/26

SIGN SUMMARY

SHEET NUMBER
206
OF 269

Filename: Division: HIGHWAY Username: COMMON Date:2/21/2011



A

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WIN 21784.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$	BY	DATE
DESIGN-DETAILED	$DESIGNER1$	$DETAILER1$	$PROJDATE1$
CHECKED-REVIEWED	$CHECKED1$	$CHECKED2$	$CHECKDATE$
DESIGN2-DETAILED2	$DESIGNER2$	$DETAILER2$	$PROJDATE2$
DESIGN3-DETAILED3	$DESIGNER3$	$DETAILER3$	$PROJDATE3$
REVISIONS 1	$REVISION1$		$REVDATE1$
REVISIONS 2	$REVISION2$		$REVDATE2$
REVISIONS 3	$REVISION3$		$REVDATE3$
REVISIONS 4	$REVISION4$		$REVDATE4$
FIELD CHANGES	$FIELDCHANGES$		$FIELDDATE$

SIGNATURE

P.E. NUMBER

DATE

FALMOUTH
ROUTE 100\26

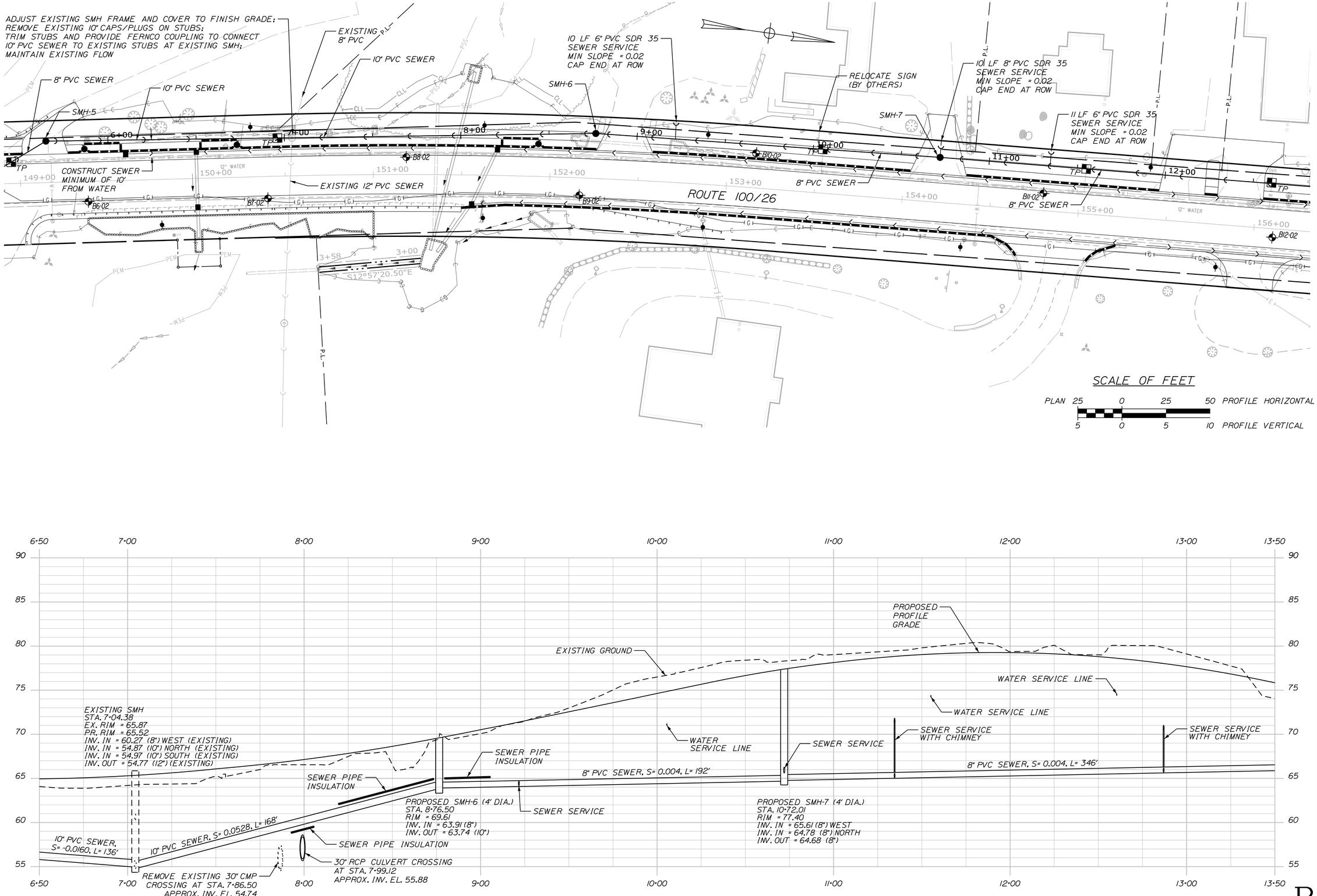
SEWER PLANS

SHEET NUMBER

207

OF 269

Filename: ...\MSTA\207_HDPlan1_Sewer.dgn Division: HIGHWAY Username: mdebowski Date:10/23/2018



PROFILE

B

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WIN 21784.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$	BY	DATE
DESIGN-DETAILED	$DESIGNER1$	$DETAILER1$	$PROJDATE1$
CHECKED-REVIEWED	$CHECKED1$	$CHECKED2$	$CHECKDATE$
DESIGN2-DETAILED2	$DESIGNER2$	$DETAILER2$	$PROJDATE2$
DESIGN3-DETAILED3	$DESIGNER3$	$DETAILER3$	$PROJDATE3$
REVISIONS 1	$REVISION1$		$REVDATE1$
REVISIONS 2	$REVISION2$		$REVDATE2$
REVISIONS 3	$REVISION3$		$REVDATE3$
REVISIONS 4	$REVISION4$		$REVDATE4$
FIELD CHANGES	$FIELDCHANGES$		$FIELDDATE$

SIGNATURE

P.E. NUMBER

DATE

FALMOUTH
ROUTE 100\26

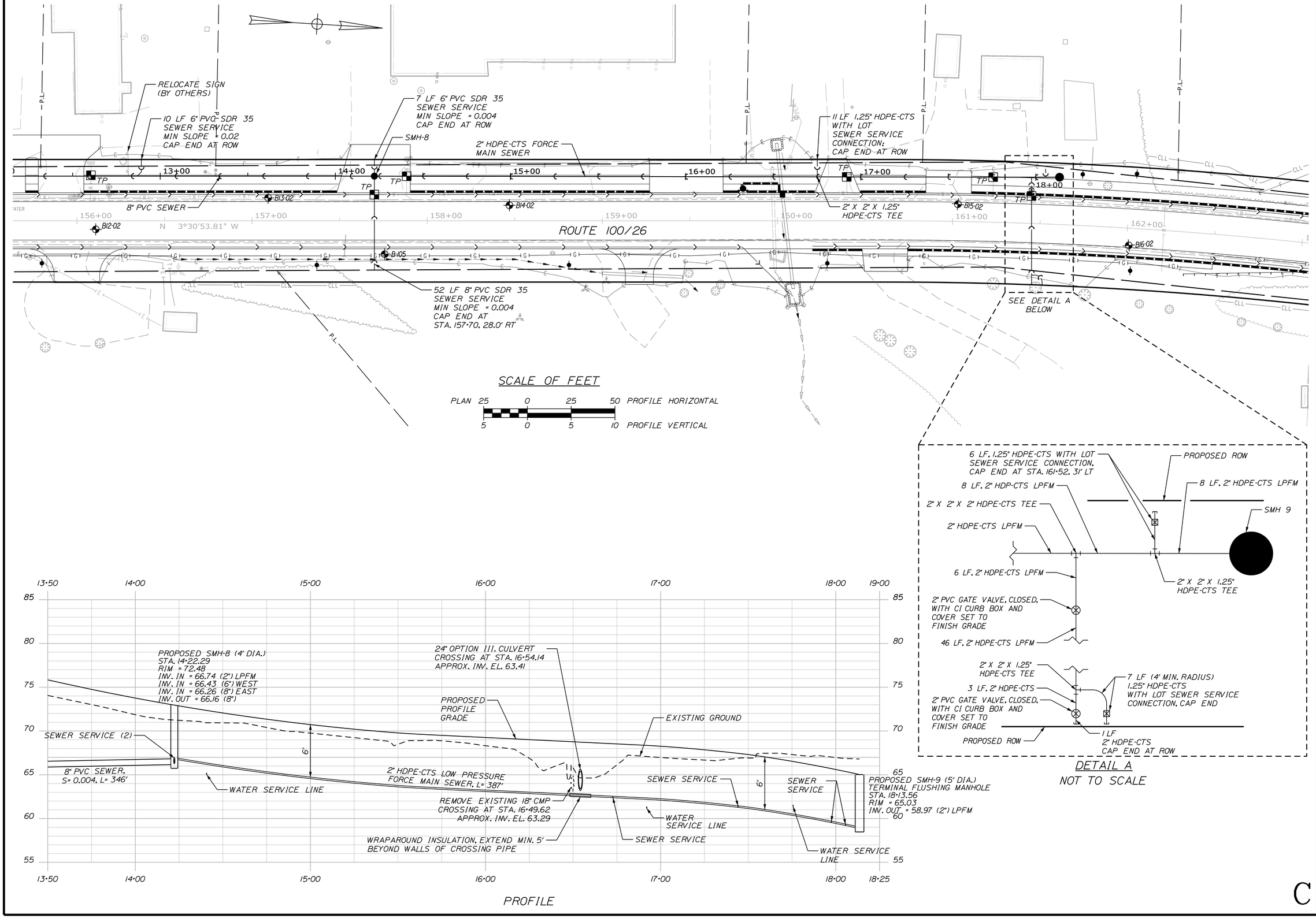
SEWER PLANS

SHEET NUMBER

208

OF 269

Filename: ...\MSTA\208_HDPlan2_Sewer.dgn Division: HIGHWAY Username: mdebowski Date:10/23/2018



C

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WIN 21784.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$	BY	DATE
DESIGN-DETAILED	$DESIGNER1$	$DETAILER1$	$PROJDATE1$
CHECKED-REVIEWED	$CHECKED1$	$CHECKER2$	$CHECKDATE$
DESIGN2-DETAILED2	$DESIGNER2$	$DETAILER2$	$PROJDATE2$
DESIGN3-DETAILED3	$DESIGNER3$	$DETAILER3$	$PROJDATE3$
REVISIONS 1	$REVISION1$	$REVIDATE1$	P.E. NUMBER
REVISIONS 2	$REVISION2$	$REVIDATE2$	
REVISIONS 3	$REVISION3$	$REVIDATE3$	
REVISIONS 4	$REVISION4$	$REVIDATE4$	DATE
FIELD CHANGES	$FIELDCHANGES$	$FIELDDATE$	

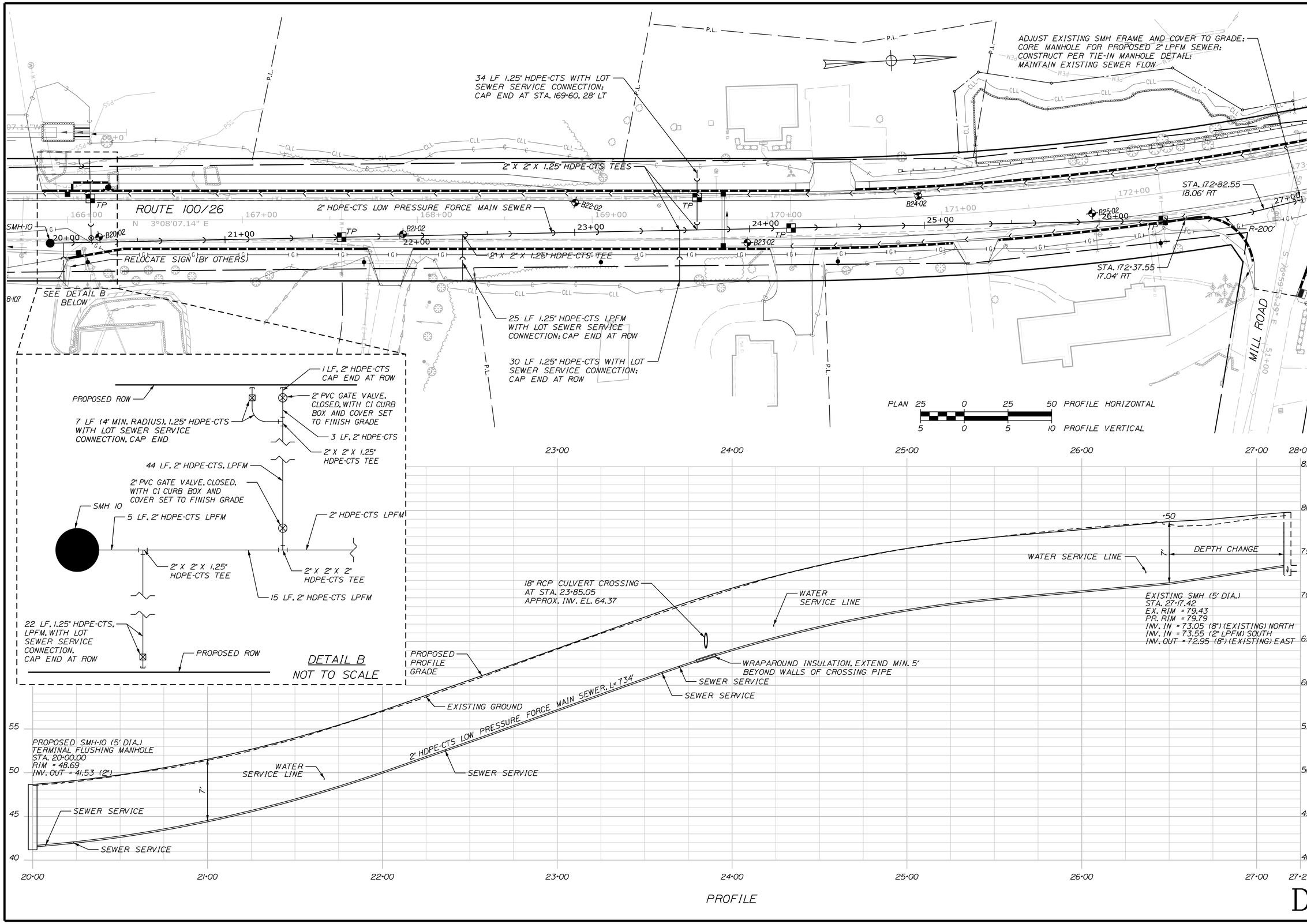
SIGNATURE

FALMOUTH
ROUTE 100\26

SEWER PLANS

SHEET NUMBER
209
OF 269

Filename: ...\MSTA\209_HDPlan3_Sewer.dgn Division: HIGHWAY Username: mdebowski Date:10/23/2018



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WIN 21784.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$	BY	DATE
DESIGN-DETAILED	$DESIGNER1$	$DETALER1$	$PROJDATE1$
CHECKED-REVIEWED	$CHECKED1$	$CHECKED2$	$CHECKDATE$
DESIGN2-DETAILED2	$DESIGNER2$	$DETALER2$	$PROJDATE2$
DESIGN3-DETAILED3	$DESIGNER3$	$DETALER3$	$PROJDATE3$
REVISIONS 1	$REVISION1$	$REVDATE1$	P.E. NUMBER
REVISIONS 2	$REVISION2$	$REVDATE2$	
REVISIONS 3	$REVISION3$	$REVDATE3$	
REVISIONS 4	$REVISION4$	$REVDATE4$	SIGNATURE
FIELD CHANGES	$FIELDCHANGES$	$FIELDDATE$	DATE

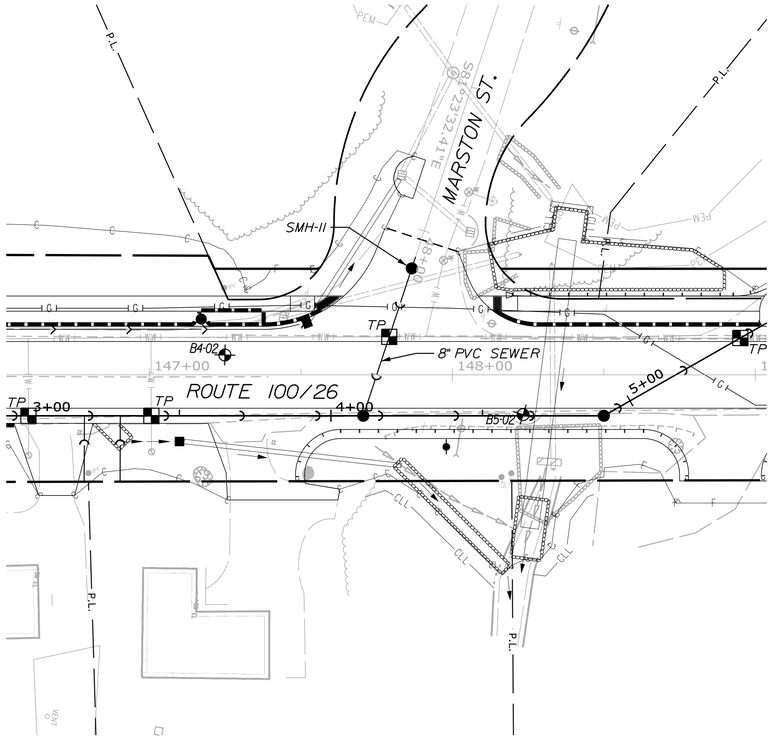
FALMOUTH
ROUTE 100\26

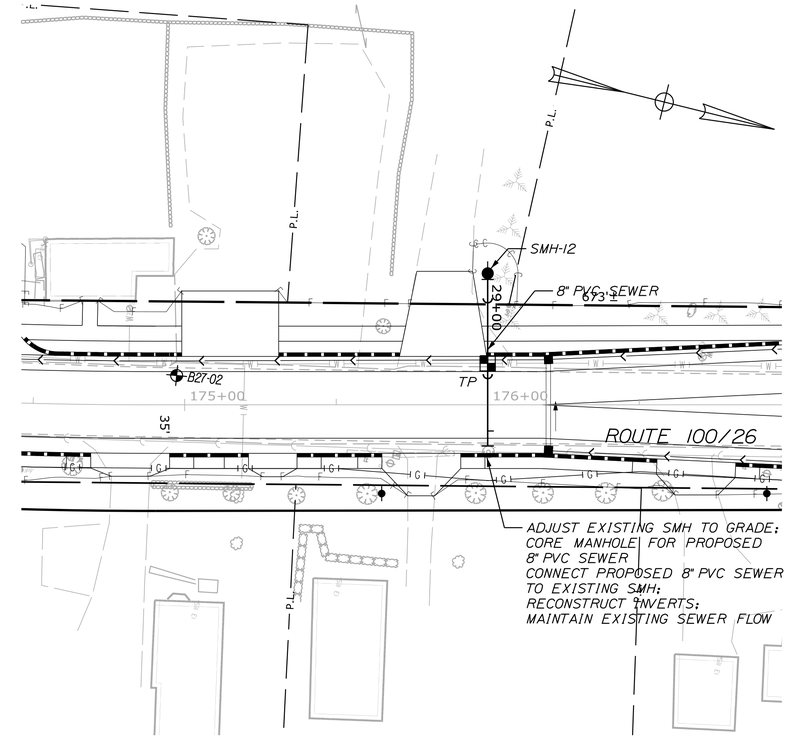
SEWER PLANS

SHEET NUMBER
210
OF 269

D

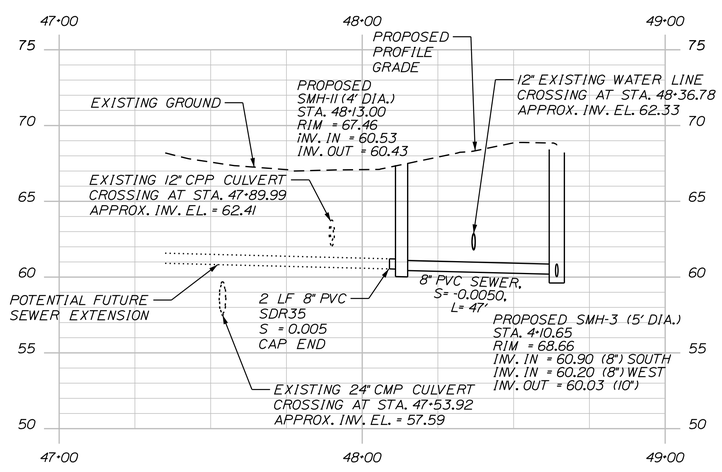
Filename: ...\MSTA\210_HDPlan4_Sewer.dgn Division: HIGHWAY Username: mdebowski Date:10/23/2018



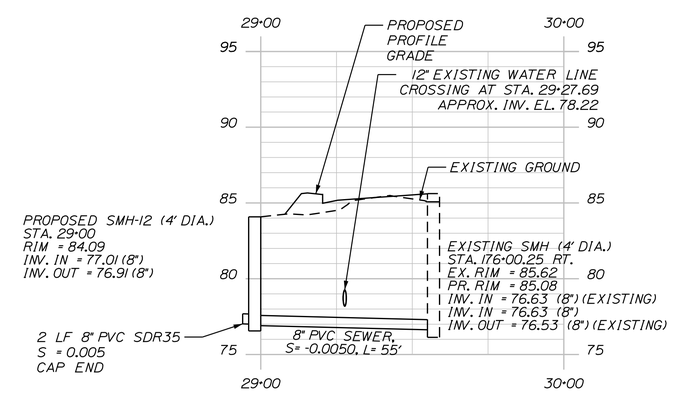


PLAN 25 0 25 50 PROFILE HORIZONTAL

5 0 5 10 PROFILE VERTICAL



PROFILE



PROFILE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WIN 21784.00 HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$	BY	DATE
DESIGN-DETAILED	$DESIGNER1$	$DETAILER1$	$PROJDATE1$
CHECKED-REVIEWED	$CHECKED1$	$CHECKED2$	$CHECKDATE$
DESIGN2-DETAILED2	$DESIGNER2$	$DETAILER2$	$PROJDATE2$
DESIGN3-DETAILED3	$DESIGNER3$	$DETAILER3$	$PROJDATE3$
REVISIONS 1	$REVISION1$	$REVDATE1$	P.E. NUMBER
REVISIONS 2	$REVISION2$	$REVDATE2$	
REVISIONS 3	$REVISION3$	$REVDATE3$	
REVISIONS 4	$REVISION4$	$REVDATE4$	DATE
FIELD CHANGES	$FIELDCHANGES$	$FIELDDATE$	SIGNATURE

FALMOUTH
ROUTE 100\26

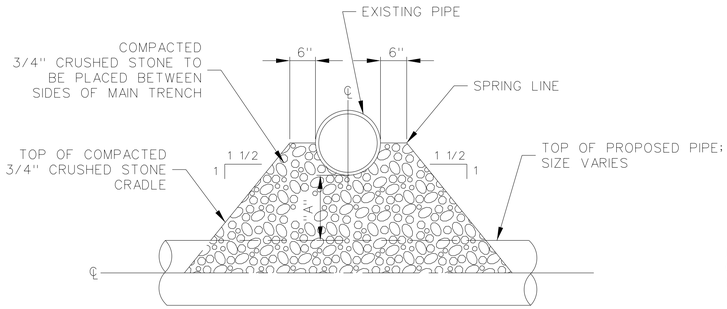
SEWER PLANS

SHEET NUMBER

211

OF 269

Filename: ...\MSTA\211_HDPlan5_Sewer.dgn Division: HIGHWAY Username: mdebowski Date:10/23/2018



NOTE: IF DIMENSION "A" IS LESS THAN 1'-6" FOR WATER AND SEWER:

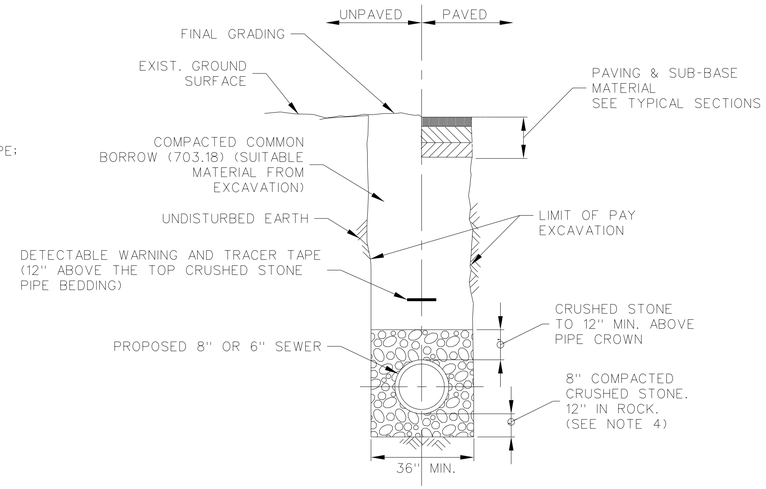
1. PROVIDE A MINIMUM OF 12 INCHES BETWEEN THE BOTTOM OF THE WATER LINE AND THE TOP OF THE SEWER.

2. IF 12 INCHES OF SEPARATION CANNOT BE PROVIDED, SEWERS UNDER OR OVER WATER MAINS SHOULD BE CONSTRUCTED OF MATERIALS AND WITH JOINTS THAT ARE EQUIVALENT TO WATER MAIN STANDARDS OF CONSTRUCTION AND SHALL BE PRESSURE TESTED TO ASSURE WATER TIGHTNESS PRIOR TO BACKFILLING.

3. FOR WATER MAINS PASSING UNDER SEWERS:
   A. THERE SHALL BE A VERTICAL SEPARATION OF AT LEAST 12 INCHES BETWEEN THE BOTTOM OF THE SEWER AND THE TOP OF THE WATER MAIN.
   B. THERE SHALL BE ADEQUATE STRUCTURAL SUPPORT FOR THE SEWER TO PREVENT EXCESSIVE DEFLECTION OF THE JOINTS AND SETTLING ON AND BREAKING OF THE WATER MAIN.
   C. ONE FULL LENGTH OF WATER PIPE (MINIMUM OF 18 FEET) SHALL BE CENTERED AT THE POINT OF THE CROSSING SO THAT THE JOINTS WILL BE EQUIDISTANT AND AS FAR AS POSSIBLE FROM THE SEWER.

PIPE CROSSING DETAIL

NOT TO SCALE



TYPICAL TRENCH DETAIL FOR SEWER PIPE

NOT TO SCALE

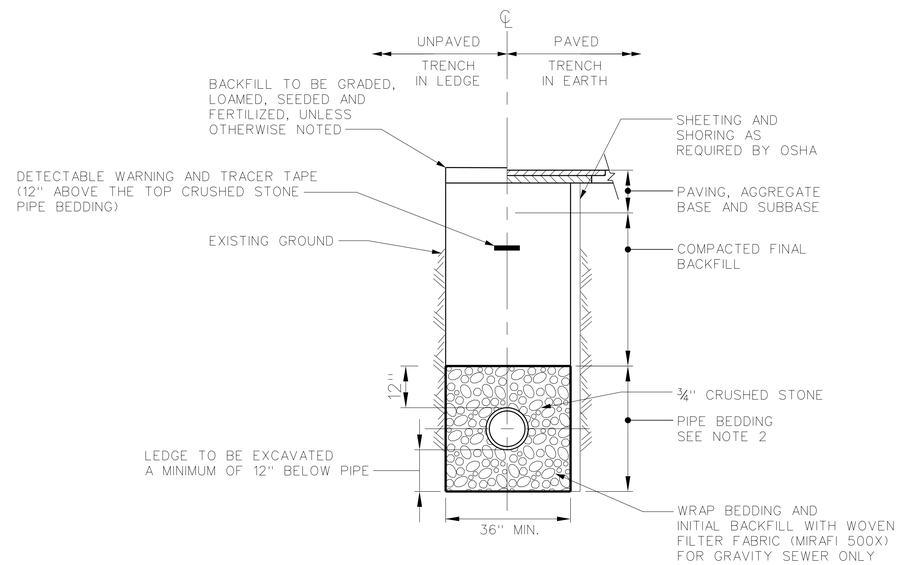
NOTES

1. TRENCHES LOCATED ON THE ROAD SHOULDER SHALL BE TREATED THE SAME AS ROADWAY EXCEPT FOR PAVING.

2. SHORING AND STABILIZING OF TRENCH SIDEWALLS DURING EXCAVATION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR ANY TRENCH EXCAVATION BEYOND THE LIMITS OF PAY EXCAVATION INDICATED (INCLUDING ROCK EXCAVATION).

3. FOR TRENCH EXCAVATION IN ROCK AS DETERMINED BY THE ENGINEER, ALLOWABLE PAY LIMIT SHALL BE TRENCH WIDTH.

4. FOR CONSTRUCTION RELATIVE TO UNSUITABLE MATERIALS ENCOUNTERED DURING EXCAVATION, THE ENGINEER SHALL BE CONTACTED IMMEDIATELY UPON ENCOUNTERING UNSUITABLE MATERIAL PRIOR TO EXCAVATION TO VERIFY THE WORK. THE CONTRACTOR SHALL EXCAVATE THE UNSUITABLE MATERIAL AND REPLACE WITH SELECT FILL AS DIRECTED BY THE ENGINEER.



NOTES:

1. ALL EXCAVATION MUST MEET OSHA STANDARDS.

2. INSTALL 3 FOOT LONG IMPERVIOUS MATERIAL DAM IN BEDDING/INITIAL BACKFILL MATERIAL EVERY 100 FEET TO PREVENT TRENCH GROUND WATER FROM BEING CHANNELED ALONG BEDDING/INITIAL BACKFILL.

3. PIPE BEDDING TO EXTEND 12 INCHES BELOW GRAVITY SEWER PIPE.

4. SEE SPECIFICATIONS FOR BEDDING AND BACKFILL REQUIREMENTS.

SOFT SOIL PIPE TRENCH DETAIL

NOT TO SCALE

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HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	$PROJMANAGER$		
DESIGN-DETAILED	$designer1$	$detailer1$	$projdate1$
CHECKED-REVIEWED	-----	-----	
DESIGN2-DETAILED2	$designer2$	$detailer2$	$projdate2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$projdate3$
REVISIONS 1	-----		$revdate1$
REVISIONS 2	-----		$revdate2$
REVISIONS 3	$revision3$		$revdate3$
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchanges$		$fielddate$

SIGNATURE

P.E. NUMBER

DATE

FALMOUTH
ROUTE 100\26

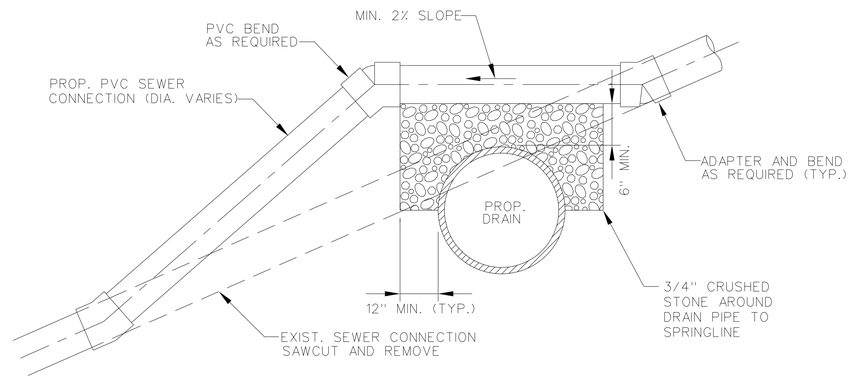
SEWER DETAILS

SHEET NUMBER

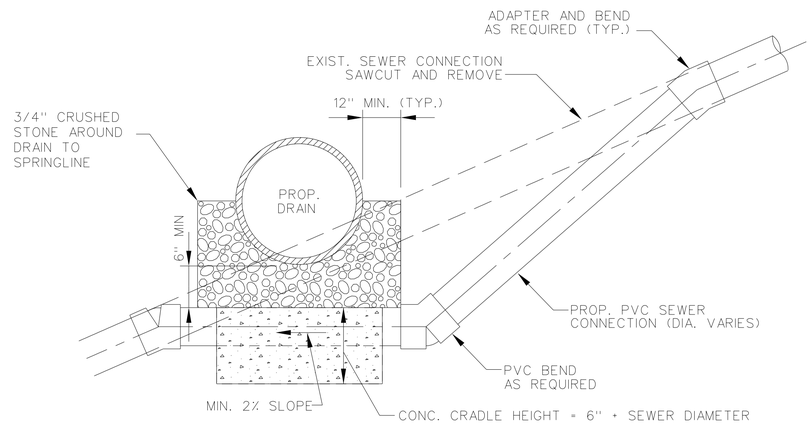
212

OF 269

Filename: ...\MSTA\212_Sewer_Details_01.dgn Division: HIGHWAY Username: mdebowski Date:10/23/2018



CONTINGENCY DETAIL FOR SEWER CONNECTION RELOCATION
ABOVE PROPOSED DRAIN
NOT TO SCALE



CONTINGENCY DETAIL FOR SEWER CONNECTION RELOCATION
BELOW PROPOSED DRAIN
NOT TO SCALE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WIN 21784.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$	BY	DATE
DESIGN-DETAILED	$designer1$	$detailer1$	$projdate1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$projdate2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$projdate3$
REVISIONS 1	------	------	$revdate1$
REVISIONS 2	------	------	$revdate2$
REVISIONS 3	$revision3$		$revdate3$
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchanges$		$fielddate$

SIGNATURE

P.E. NUMBER

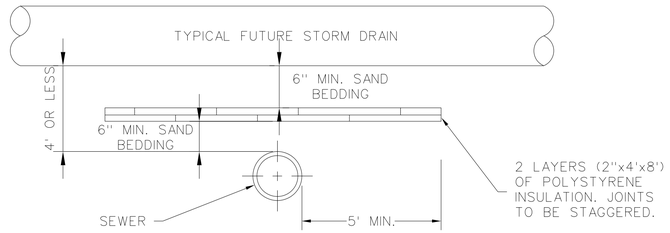
DATE

FALMOUTH
ROUTE 100\26

SEWER DETAILS

SHEET NUMBER
213
OF 269

Filename: ...\MSTA\213_Sewer_Details_02.dgn Division: HIGHWAY Username: mdebowski Date:10/23/2018

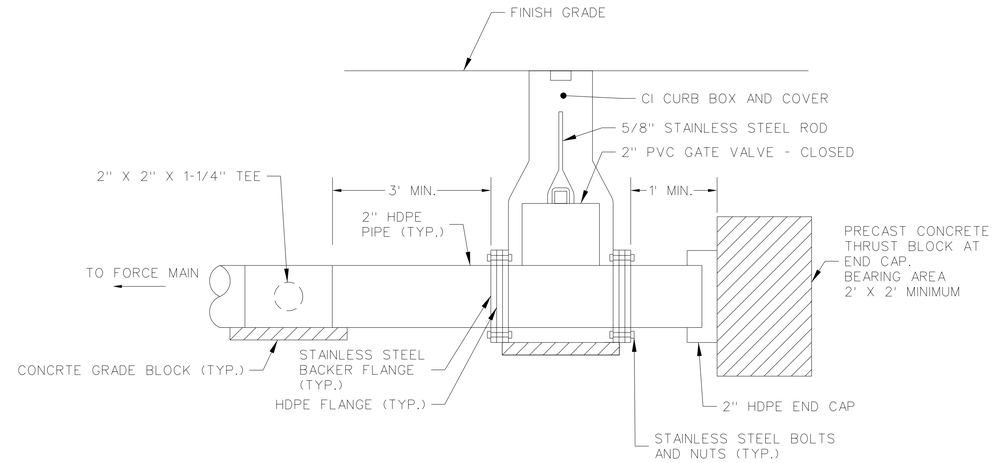


NOTES:

DETAIL FOR INSULATION AT DRAIN LINE CROSSINGS

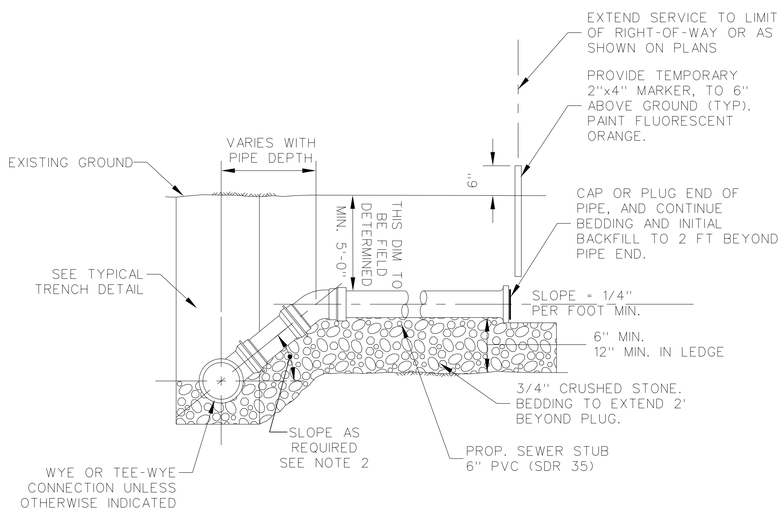
NOT TO SCALE

1. INSULATION SHALL BE USED WHERE PIPE SEPARATION IS 4' OR LESS
2. INSULATION SHALL EXTEND A MINIMUM OF 5' BEYOND THE DRAIN PIPE IN EACH DIRECTION.



2" LOW PRESSURE LOT SEWER SERVICE

NOT TO SCALE

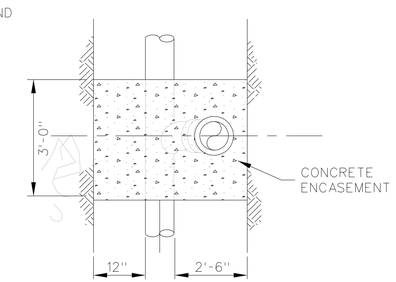


NOTES:
1. ALL SERVICE CONNECTIONS TO BE 6" MINIMUM UNLESS OTHERWISE SHOWN ON THE DRAWINGS.
2. USE CHIMNEY DETAIL WHERE SERVICE CONNECTION ENTERS SEWER AT GREATER THAN 60° TO THE HORIZONTAL.

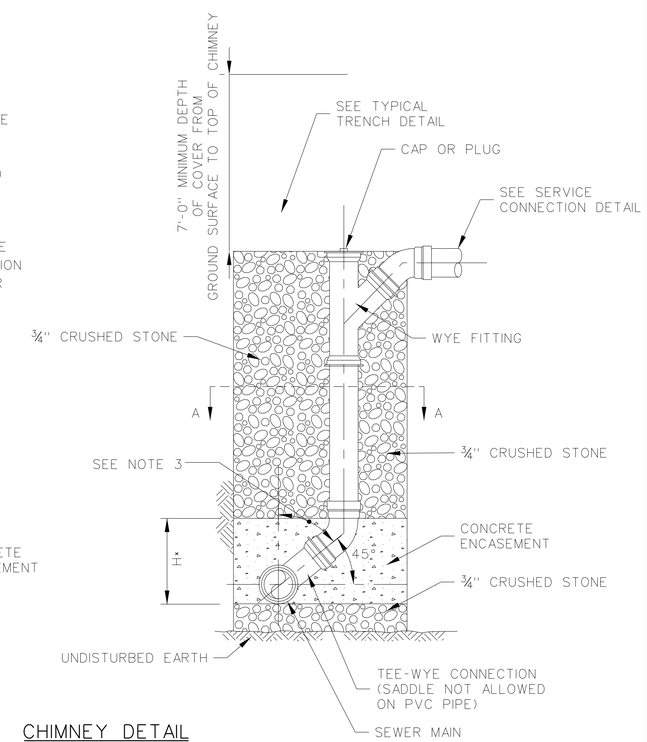
DETAIL FOR SEWER SERVICE CONNECTION

NOT TO SCALE

NOTES:
1) MINIMUM CHIMNEY HEIGHT SHALL BE 3 VERTICAL FEET.
2) SEE TYPICAL TRENCH DETAIL AND SPECIFICATIONS FOR BEDDING AND BACKFILL REQUIREMENTS.
3) CHIMNEY CONSTRUCTION SHALL BE USED WHENVER A SERVICE CONNECTION ENTERS THE SEWER 30 DEGREES OR MORE FROM THE VERTICAL.



SECTION A-A



CHIMNEY DETAIL

NOT TO SCALE

Hx = BOTTOM OF SEWER MAIN PIPE TO BOTTOM OF FITTING BELL

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WIN 21784.00

HIGHWAY PLANS

PROJ. MANAGER $PROJMANAGER$	BY	DATE
DESIGN-DETAILED	$designer1$	$detailer1$	$projdate1$
CHECKED-REVIEWED	----	----	----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$projdate2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$projdate3$
REVISIONS 1	----	----	$revdate1$
REVISIONS 2	----	----	$revdate2$
REVISIONS 3	$revision3$		$revdate3$
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fielddate$

SIGNATURE

P.E. NUMBER

DATE

FALMOUTH
ROUTE 100\26

SEWER DETAILS

SHEET NUMBER

214

OF 269

Filename: ...\MSTA\214_Sewer_Details_03.dgn Division: HIGHWAY Username: mdebowski Date:10/23/2018

NOTES ON MANHOLE CONSTRUCTION

1) IT IS THE INTENTION THAT THE MANHOLE, INCLUDING ALL COMPONENT PARTS, HAVE ADEQUATE SPACE, STRENGTH AND LEAKPROOF QUALITIES CONSIDERED NECESSARY FOR THE INTENDED SERVICE. SPACE REQUIREMENTS AND CONFIGURATIONS, SHALL BE AS SHOWN ON THE DRAWING. MANHOLES SHALL BE AN ASSEMBLY OF PRECAST SECTIONS, WITH STEEL REINFORCEMENT AND ADEQUATE JOINTING. THE COMPLETE STRUCTURE SHALL BE OF SUCH MATERIAL AND QUALITY AS TO WITHSTAND HS-20-44 LOADING.

2) BARRELS AND CONE SECTIONS SHALL BE PRECAST REINFORCED CONCRETE.

3) PRECAST CONCRETE BARREL SECTIONS, CONES AND BASES SHALL CONFORM TO ASTM C478.

4) LEAKAGE TEST SHALL BE PERFORMED IN ACCORDANCE WITH THE SPECIFICATIONS.

5) INVERTS AND SHELVES: MANHOLES SHALL HAVE A BRICK PAVED SHELF AND INVERT, CONSTRUCTED TO CONFORM TO THE SIZE OF THE PIPE AND FLOW. AT CHANGES IN DIRECTIONS, THE INVERTS SHALL BE LAID OUT IN CURVES OF THE LONGEST RADIUS POSSIBLE TANGENT TO THE CENTER LINE OF THE SEWER PIPES. SHELVES SHALL BE CONSTRUCTED TO THE ELEVATION OF THE HIGHEST PIPE CROWN AND SLOPE TO DRAIN TOWARD THE FLOWING THROUGH CHANNEL. UNDERLAYMENT OF INVERT AND SHELF SHALL CONSIST OF BRICK MASONRY.

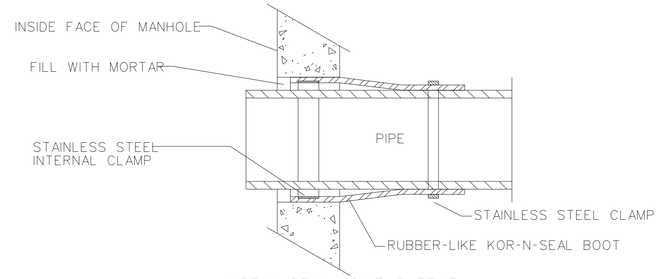
6) FRAMES AND COVERS: MANHOLES FRAMES AND COVERS SHALL BE OF HEAVY DUTY DESIGN AND PROVIDE A 24-INCH CLEAR OPENING FOR ALL MANHOLES EXCEPT THE LOW PRESSURE FLUSHING MANHOLES. A 30-INCH CLEAR OPENING SHALL BE PROVIDED FOR ALL LOW PRESSURE FLUSHING MANHOLES. 3-INCH (MINIMUM HEIGHT) LETTERS WITH THE WORD "SEWER" SHALL BE PLAINLY CAST INTO THE CENTER OF EACH MANHOLE COVER

7) SHALLOW MANHOLE: IN LIEU OF A CONE SECTION, WHEN MANHOLE DEPTH IS LESS THAN 6 FEET, A REINFORCED CONCRETE SLAB COVER MAY BE USED HAVING AN ECCENTRIC ENTRANCE OPENING AND CAPABLE OF SUPPORTING H-20-44 LOADING.

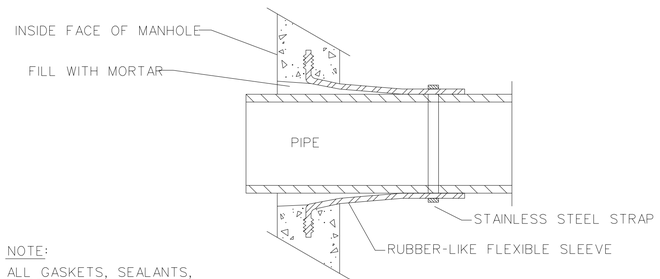
8) SEWER MANHOLE DIAMETER SHALL BE AS INDICATED ON THE PLANS.

9) COPOLYMER MANHOLE STEPS SHALL BE INSTALLED AT 12" O.C. FOR THE FULL DEPTH OF THE STRUCTURE.

10) ALL MANHOLES SHALL BE FACTORY WATERPROOFED WITH TWO COATS OF BITUMINOUS MATERIAL.

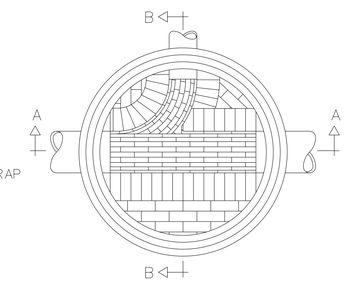


KOR-N-SEAL JOINT SLEEVE
(OR ACCEPTABLE SUBSTITUTE)

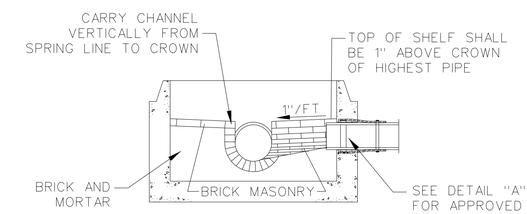


NOTE:
ALL GASKETS, SEALANTS, MORTAR, ETC... SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS' WRITTEN INSTRUCTIONS

LOCK-JOINT FLEXIBLE MANHOLE SLEEVE
(OR ACCEPTABLE SUBSTITUTE)



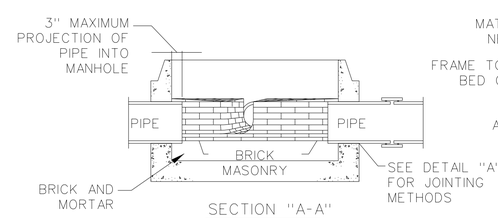
PLAN VIEW



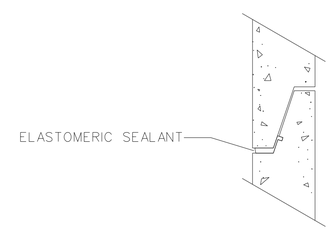
SECTION "B-B"

DETAIL "A" - PIPE TO MANHOLE JOINTS

(NOT TO SCALE)



SECTION "A-A"

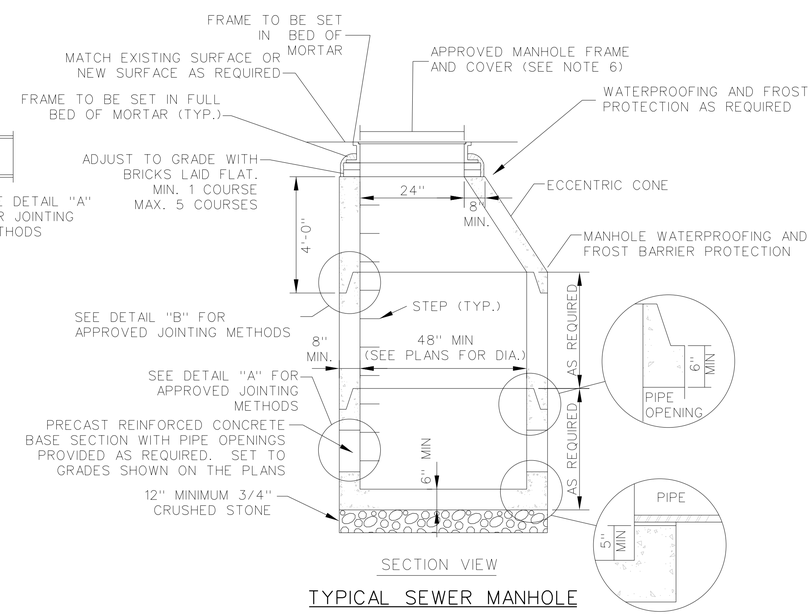


ELASTOMERIC SEALANT

NOTE:
ALL GASKETS AND SEALANTS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS' WRITTEN INSTRUCTIONS

DETAIL "B"
HORIZONTAL JOINTS

(NOT TO SCALE)



SECTION VIEW

TYPICAL SEWER MANHOLE

(NOT TO SCALE)

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WIN 21784.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$	BY	DATE
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CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$prodate2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$prodate3$
REVISIONS 1	-----	-----	$revdate1$
REVISIONS 2	-----	-----	$revdate2$
REVISIONS 3	$revision3$	-----	$revdate3$
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SIGNATURE

P.E. NUMBER

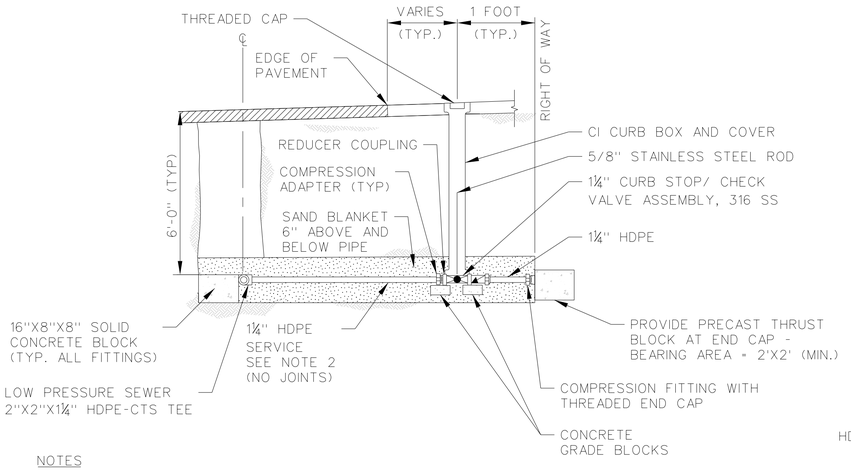
DATE

FALMOUTH
ROUTE 100\26

SEWER DETAILS

SHEET NUMBER
215
OF 269

Filename: ...\MSTA\215_Sewer_Details_04.dgn Division: HIGHWAY Username: mdebowski Date:10/23/2018

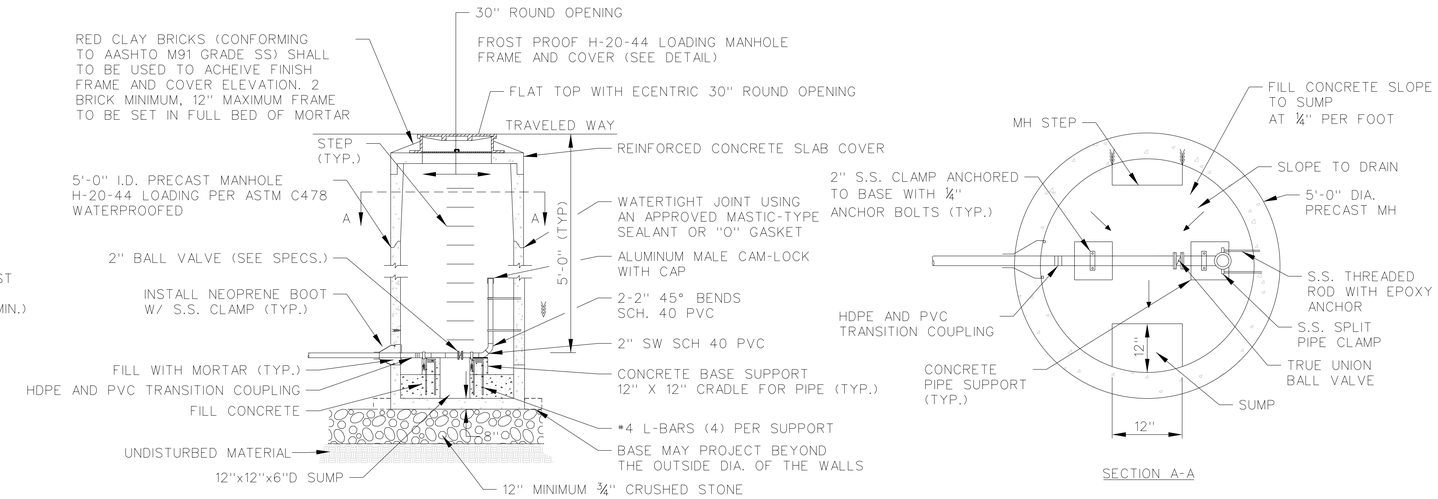


NOTES

1. SUPPORT CURB BOX ON CONCRETE GRADE BLOCKS.
2. 1-¼" HDPE-CTS SERVICES SHALL BE LAID LEVEL OR SHALL SLOPE UPWARDS TOWARD LOW PRESSURE SEWER MAIN AND TEE.

LOT SEWER SERVICE CONNECTION - LOW PRESSURE SEWER

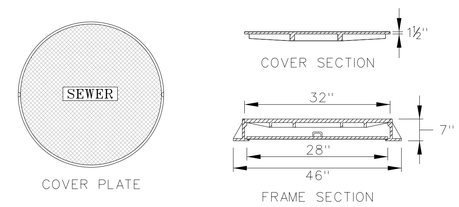
NOT TO SCALE



SECTION A-A

TERMINAL FLUSHING MANHOLE

NOT TO SCALE

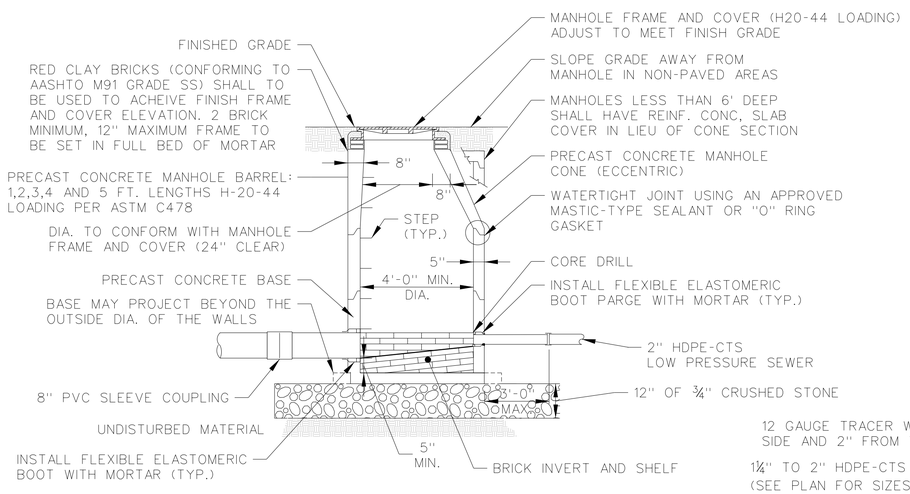


NOTES

1. TERMINAL FLUSHING STATION SHALL BE NEENAH R-1758-G OR EQUAL WITH WORD "SEWER".
2. ALL SEWER MANHOLE FRAMES AND COVERS SHALL BE H-20-44 LOADING

FROST PROOF SEWER MANHOLE FRAME AND COVER

NOT TO SCALE

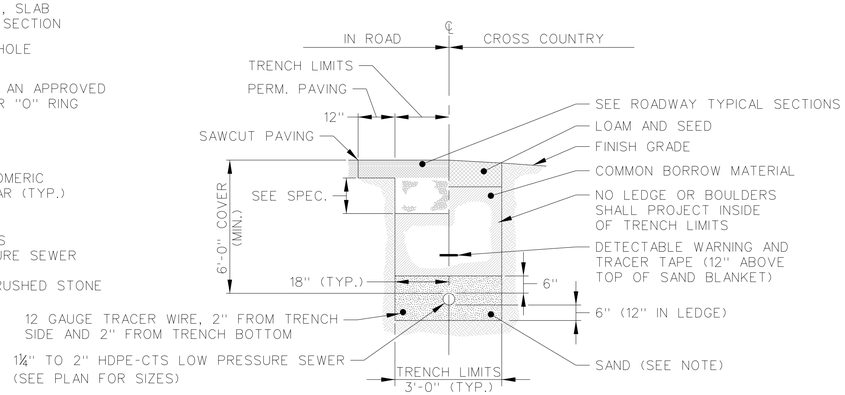


NOTES

1. SEE SEWER MANHOLE DETAIL AND NOTES FOR GENERAL REQUIREMENTS AND CONSTRUCTION.

TIE IN MANHOLE DETAIL

NOT TO SCALE

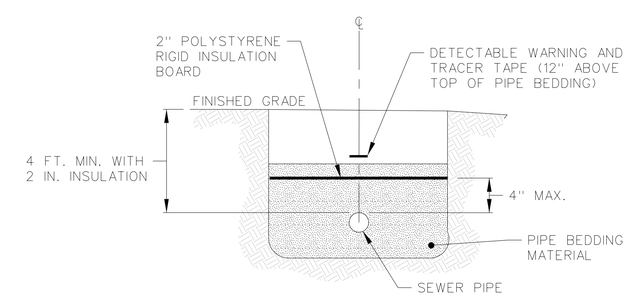


NOTE:

BEDDING FOR 2" AND 1¼" HDPE-CTS LOW PRESSURE FORCE MAIN SHALL BE SAND MEETING MATERIAL SPECIFICATION 705.02

LOW PRESSURE SEWER TRENCH

NOT TO SCALE



NOTE:

PROVIDE INSULATION WHEN PIPE COVER IS LESS THAN 5' UNDER EARTH SURFACE AND WHEN PIPE COVER IS LESS THAN 6' UNDER PAVEMENT OR WHERE SHOWN ON THE DRAWINGS.

RIGID INSULATION

NOT TO SCALE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WIN 21784.00

HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	$PROJMANAGER$		
DESIGN-DETAILED	$designer1$	$detailer1$	$projdate1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$projdate2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$projdate3$
REVISIONS 1	-----		$revdate1$
REVISIONS 2	-----		$revdate2$
REVISIONS 3	$revision3$		$revdate3$
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchange$		$fieldate$

SIGNATURE

P.E. NUMBER

DATE

FALMOUTH
ROUTE 100\26

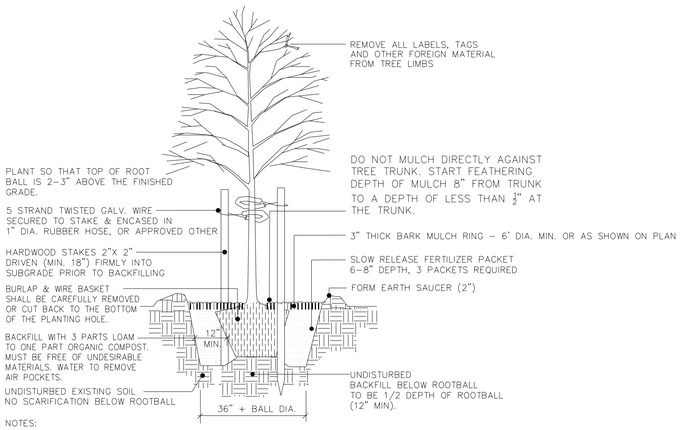
SEWER DETAILS

SHEET NUMBER

216

OF 269

Filename: ...\MSTA\216_Sewer_Details_05.dgn Division: HIGHWAY Username: mdebowski Date:10/23/2018

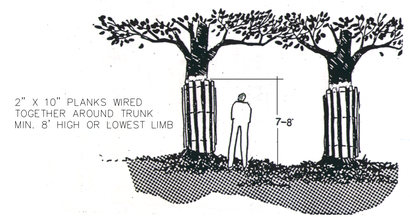


NOTES:

REMOVE STAKES AND GUYS AFTER ONE YEAR.

1 DECIDUOUS TREE PLANTING & STAKING

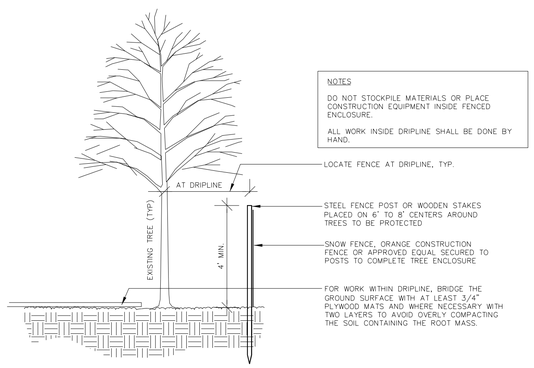
NOT TO SCALE



NOTE:
USE TREE TRUNK PROTECTION DETAIL WHEN WORK IS TO BE PERFORMED WITHIN THE DRIP LINE OF THE TREE.

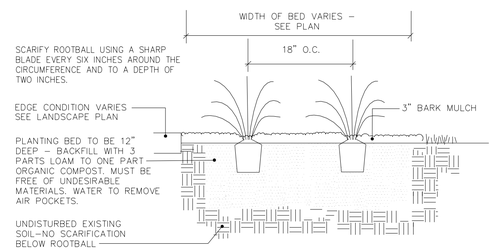
4 TRUNK PROTECTION

NOT TO SCALE



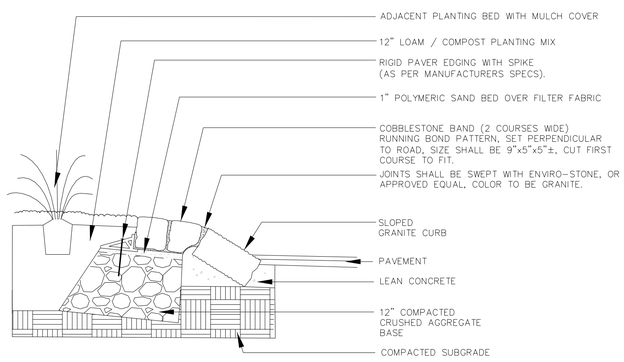
2 TREE & ROOT PROTECTION DETAIL

NOT TO SCALE



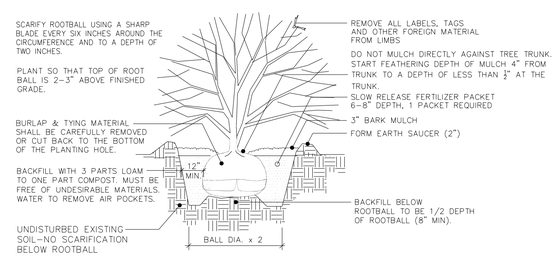
5 PERENNIAL OR GROUNDCOVER PLANTING

NOT TO SCALE



3 COBBLE STONE BAND ON CENTER ISLANDS

NOT TO SCALE



6 SHRUB PLANTING

NOT TO SCALE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WIN 21784.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$	BY	DATE
DESIGN-DETAILED	$designer1$	$detailer1$	$projdate1$
CHECKED-REVIEWED	-----	-----	-----
DESIGN2-DETAILED2	$designer2$	$detailer2$	$projdate2$
DESIGN3-DETAILED3	$designer3$	$detailer3$	$projdate3$
REVISIONS 1	-----	-----	$revdate1$
REVISIONS 2	-----	-----	$revdate2$
REVISIONS 3	$revision3$		$revdate3$
REVISIONS 4	$revision4$		$revdate4$
FIELD CHANGES	$fieldchanges$		$fielddate$

SIGNATURE

P.E. NUMBER

DATE

FALMOUTH
ROUTE 100\26

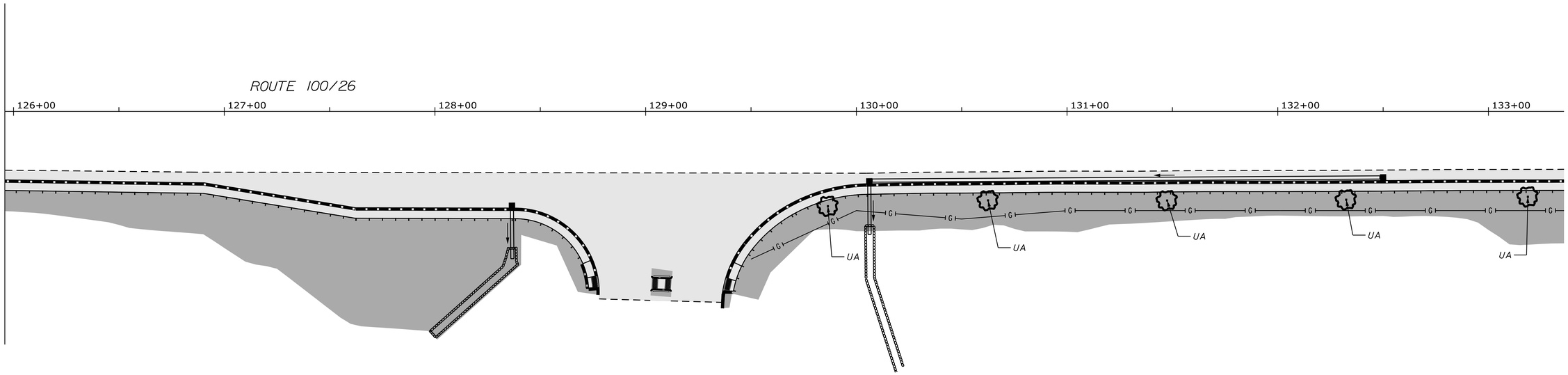
LANDSCAPE DETAILS

SHEET NUMBER

217

OF 269

Filename: ...\MSTA\217_LS_Details_01.dgn Division: HIGHWAY Username: mdebowski Date:10/23/2018



SCALE OF FEET

PLAN 25 0 25 50

KEY	QTY	BOTANICAL NAME	COMMON NAME	PROP. SIZE
AC	9	AMELANCHIER GRANDIFLORA 'AUTUMN BRILLIANCE"	SHADBUSH	7'-8' CLUMP
AR	21	ACER RUBRUM 'BOWHALL'	BOWHALL RED MAPLE	2.5-3" CAL.
AF	6	ACER X FREEMANII 'SIENNA'	SIENNA GLEN MAPLE	2.5-3" CAL.
CC	4	CRATAEGUS CRUSGALLI var. INERMIS	COCKSPUR THORNLESS HAWTHORN	2" CAL.
MS	3	MALUS SPECIES 'SPRING SNOW'	FLOWERING CRABAPPLE	2" CAL.
NS	3	NYSSA SYLVATICA	BLACK TUPELO	2.5-3" CAL.
PA	3	PRUNUS X 'ACCOLADE'	ACCOLADE FLOWERING CHERRY	2" CAL.
UA	16	ULMUS AMERICANA 'PRINCETON'	PRINCETON AMERICAN ELM	2.5-3" CAL.
		APPROXIMATE LAWN AREA		
		APPROXIMATE PAVEMENT/SIDEWALK AREA		

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WIN 21784.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$	BY	DATE
DESIGN-DETAILED	$DESIGNER1$	$DETAILER1$	$PROJDATE1$
CHECKED-REVIEWED	$CHECKED1$	$CHECKED2$	$CHECKDATE$
DESIGN2-DETAILED2	$DESIGNER2$	$DETAILER2$	$PROJDATE2$
DESIGN3-DETAILED3	$DESIGNER3$	$DETAILER3$	$PROJDATE3$
REVISIONS 1	$REVISION1$	$REVDATE1$	P.E. NUMBER
REVISIONS 2	$REVISION2$	$REVDATE2$	
REVISIONS 3	$REVISION3$	$REVDATE3$	
REVISIONS 4	$REVISION4$	$REVDATE4$	SIGNATURE
FIELD CHANGES	$FIELDCHANGES$	$FIELDDATE$	DATE

FALMOUTH
ROUTE 100\26

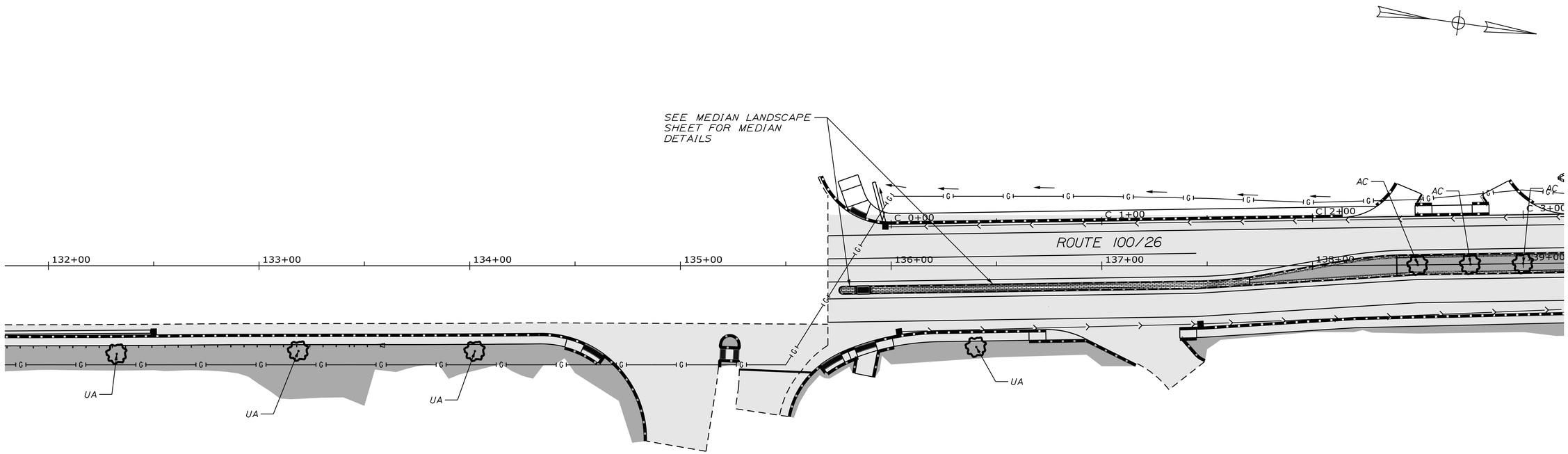
LANDSCAPE PLANS

SHEET NUMBER

218

OF 269

Filename: ...\HIGHWAY\MSTA\218_LSPlan_01.dgn Division: HIGHWAY Username: mdebowski Date:10/23/2018



SCALE OF FEET

PLAN 25 0 25 50 PROFILE HORIZONTAL

5 0 5 10 PROFILE VERTICAL

KEY	QTY	BOTANICAL NAME	COMMON NAME	PROP. SIZE
AC	9	AMELANCHIER GRANDIFLORA 'AUTUMN BRILLIANCE"	SHADBUSH	7'-8' CLUMP
AR	21	ACER RUBRUM 'BOWHALL'	BOWHALL RED MAPLE	2.5-3" CAL.
AF	6	ACER X FREEMANII 'SIENNA'	SIENNA GLEN MAPLE	2.5-3" CAL.
CC	4	CRATAEGUS CRUSGALLI var. INERMIS	COCKSPUR THORNLESS HAWTHORN	2" CAL.
MS	3	MALUS SPECIES 'SPRING SNOW'	FLOWERING CRABAPPLE	2" CAL.
NS	3	NYSSA SYLVATICA	BLACK TUPELO	2.5-3" CAL.
PA	3	PRUNUS X 'ACCOLADE'	ACCOLADE FLOWERING CHERRY	2" CAL.
UA	16	ULMUS AMERICANA 'PRINCETON'	PRINCETON AMERICAN ELM	2.5-3" CAL.
		APPROXIMATE LAWN AREA AND PLANTING		
		APPROXIMATE PAVEMENT/SIDEWALK AREA		

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WIN 21784.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$	BY	DATE
DESIGN-DETAILED	$DESIGNER1$	$DETAILER1$	$PROJDATE1$
CHECKED-REVIEWED	$CHECKED1$	$CHECKER2$	$CHECKDATE$
DESIGN2-DETAILED2	$DESIGNER2$	$DETAILER2$	$PROJDATE2$
DESIGN3-DETAILED3	$DESIGNER3$	$DETAILER3$	$PROJDATE3$
REVISIONS 1	$REVISION1$	$REVDATE1$	P.E. NUMBER
REVISIONS 2	$REVISION2$	$REVDATE2$	
REVISIONS 3	$REVISION3$	$REVDATE3$	SIGNATURE
REVISIONS 4	$REVISION4$	$REVDATE4$	DATE
FIELD CHANGES	$FIELDCHANGES$	$FIELDDATE$	

FALMOUTH
ROUTE 100\26

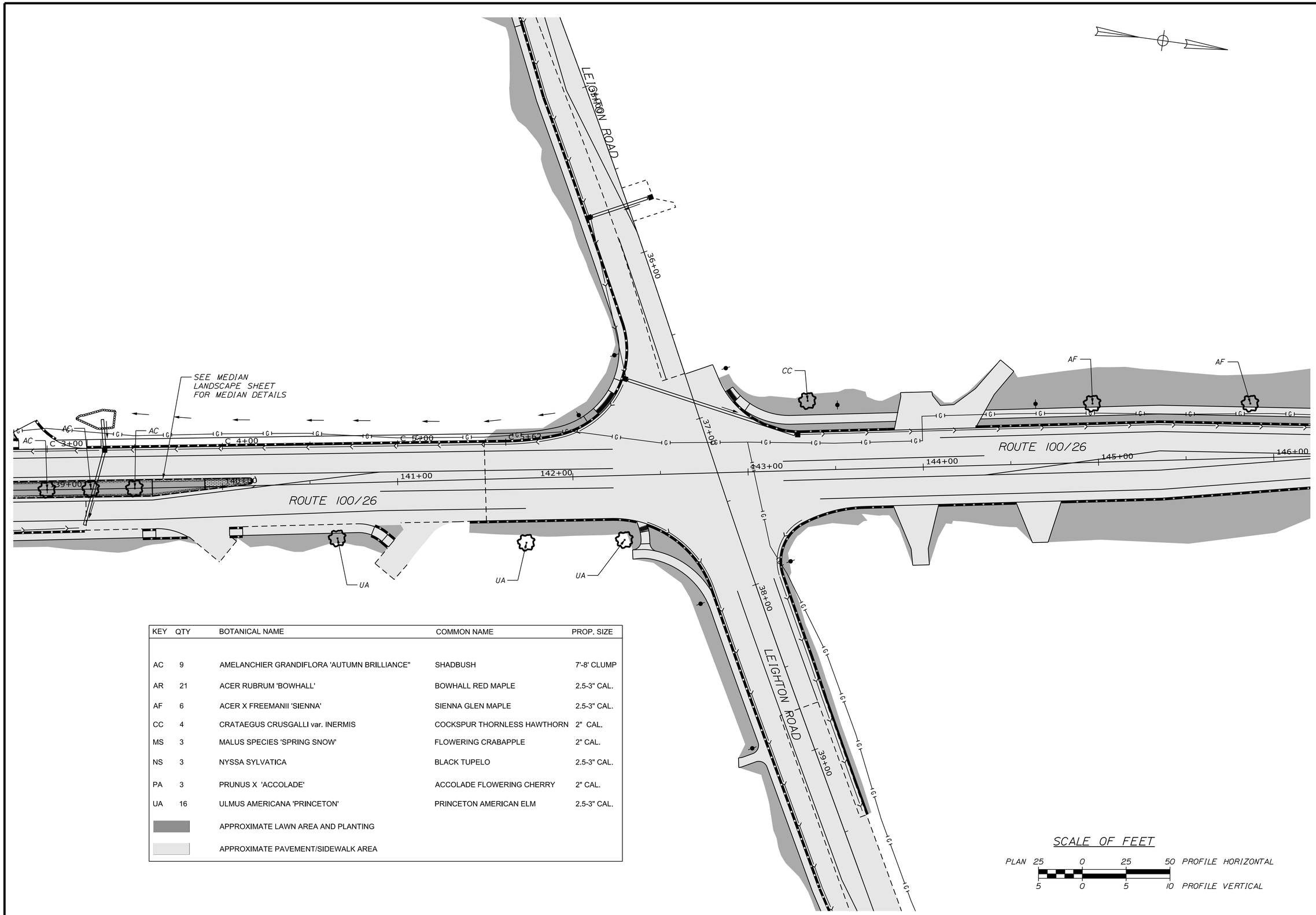
LANDSCAPE PLANS

SHEET NUMBER

219

OF 269

Filename: ...\HIGHWAY\MSTA\219_LSPlan_02.dgn Division: HIGHWAY Username: mdebowski Date:10/23/2018



KEY	QTY	BOTANICAL NAME	COMMON NAME	PROP. SIZE
AC	9	AMELANCHIER GRANDIFLORA 'AUTUMN BRILLIANCE"	SHADBUSH	7'-8' CLUMP
AR	21	ACER RUBRUM 'BOWHALL'	BOWHALL RED MAPLE	2.5-3" CAL.
AF	6	ACER X FREEMANII 'SIENNA'	SIENNA GLEN MAPLE	2.5-3" CAL.
CC	4	CRATAEGUS CRUSGALLI var. INERMIS	COCKSPUR THORNLESS HAWTHORN	2" CAL.
MS	3	MALUS SPECIES 'SPRING SNOW'	FLOWERING CRABAPPLE	2" CAL.
NS	3	NYSSA SYLVATICA	BLACK TUPELO	2.5-3" CAL.
PA	3	PRUNUS X 'ACCOLADE'	ACCOLADE FLOWERING CHERRY	2" CAL.
UA	16	ULMUS AMERICANA 'PRINCETON'	PRINCETON AMERICAN ELM	2.5-3" CAL.
		APPROXIMATE LAWN AREA AND PLANTING		
		APPROXIMATE PAVEMENT/SIDEWALK AREA		

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WIN 21784.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$	BY	DATE
DESIGN-DETAILED	$DESIGNER1$	$DETALER1$	$PROJDATE1$
CHECKED-REVIEWED	$CHECKED1$	$CHECKER2$	$CHKDATE2$
DESIGN2-DETAILED2	$DESIGNER2$	$DETALER2$	$PROJDATE2$
DESIGN3-DETAILED3	$DESIGNER3$	$DETALER3$	$PROJDATE3$
REVISIONS 1	$REVISION1$	$REVDATE1$	P.E. NUMBER
REVISIONS 2	$REVISION2$	$REVDATE2$	
REVISIONS 3	$REVISION3$	$REVDATE3$	
REVISIONS 4	$REVISION4$	$REVDATE4$	DATE
FIELD CHANGES	$FIELDCHANGES$	$FIELDDATE$	

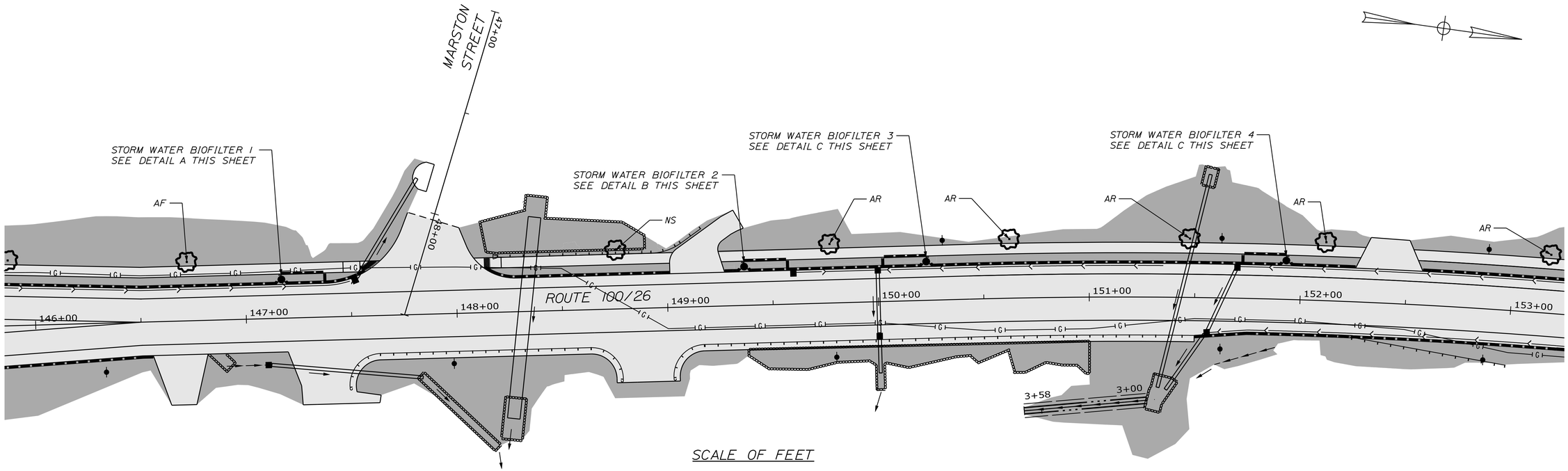
SIGNATURE

FALMOUTH
ROUTE 100\26

LANDSCAPE PLANS

SHEET NUMBER
220
OF 269

Filename: ...\HIGHWAY\MSTA\220_LSPlan_03.dgn Division: HIGHWAY Username: mdebowski Date:10/23/2018

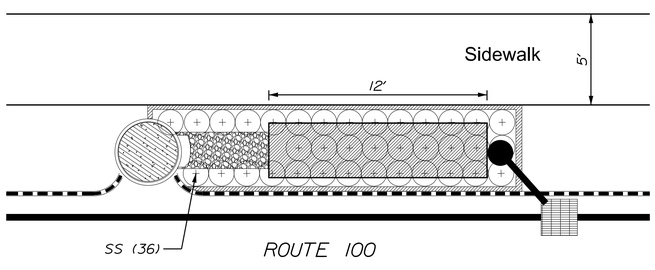


SCALE OF FEET

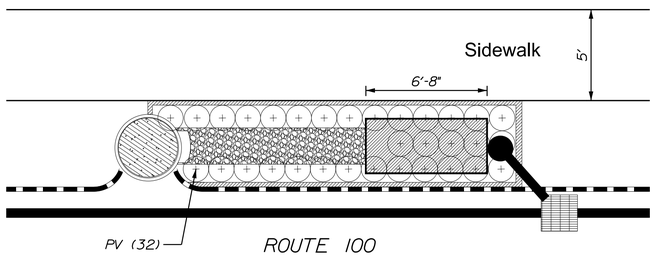
PLAN 25 0 25 50 PROFILE HORIZONTAL

5 0 5 10 PROFILE VERTICAL

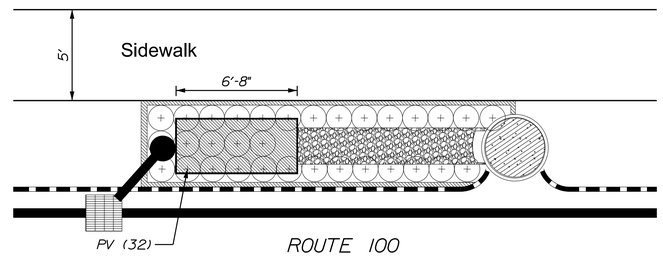
DETAIL A
STORM WATER BIOFILTER 1
NOT TO SCALE



DETAIL B
STORM WATER BIOFILTER 2
NOT TO SCALE



DETAIL C
STORM WATER BIOFILTERS 3 & 4
NOT TO SCALE



STORM WATER BIOFILTER PLANT LIST

KEY	QTY	BOTANICAL NAME	COMMON NAME	PROP. SIZE
PC	68	PANICUM VIRGATUM 'CAPE BREEZE'	CAPE BREEZE SWITCH GRASS	2 GAL. MIN.
PV	96	PANICUM VIRGATUM 'CHEYENNE SKY'	CHEYENNE SKY SWITCH GRASS	2 GAL. MIN.
SS	69	SCHIZACHYRIUM SCOPARIUM 'PRAIRIE BLUE'	LITTLE BLUESTEM	2 GAL. MIN.

KEY	QTY	BOTANICAL NAME	COMMON NAME	PROP. SIZE
AC	9	AMELANCHIER GRANDIFLORA 'AUTUMN BRILLIANCE"	SHADBUSH	7'-8' CLUMP
AR	21	ACER RUBRUM 'BOWHALL'	BOWHALL RED MAPLE	2.5-3" CAL.
AF	6	ACER X FREEMANII 'SIENNA'	SIENNA GLEN MAPLE	2.5-3" CAL.
CC	4	CRATAEGUS CRUSGALLI var. INERMIS	COCKSPUR THORNLESS HAWTHORN	2" CAL.
MS	3	MALUS SPECIES 'SPRING SNOW'	FLOWERING CRABAPPLE	2" CAL.
NS	3	NYSSA SYLVATICA	BLACK TUPELO	2.5-3" CAL.
PA	3	PRUNUS X 'ACCOLADE'	ACCOLADE FLOWERING CHERRY	2" CAL.
UA	16	ULMUS AMERICANA 'PRINCETON'	PRINCETON AMERICAN ELM	2.5-3" CAL.
		APPROXIMATE LAWN AREA		
		APPROXIMATE PAVEMENT/SIDEWALK AREA		

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WIN
WIN 21784.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$	BY	DATE
DESIGN-DETAILED	$DESIGNERD$	$DETAILER$	$PROJDATE$
CHECKED-REVIEWED	$CHECKED$	$CHECKER$	$CHECKDATE$
DESIGN2-DETAILED2	$DESIGNER2$	$DETAILER2$	$PROJDATE2$
DESIGN3-DETAILED3	$DESIGNER3$	$DETAILER3$	$PROJDATE3$
REVISIONS 1	$REVISION1$		$REVDATE1$
REVISIONS 2	$REVISION2$		$REVDATE2$
REVISIONS 3	$REVISION3$		$REVDATE3$
REVISIONS 4	$REVISION4$		$REVDATE4$
FIELD CHANGES	$FIELDCHANGES$		$FIELDDATE$

SIGNATURE

P.E. NUMBER

DATE

FALMOUTH
ROUTE 100\26

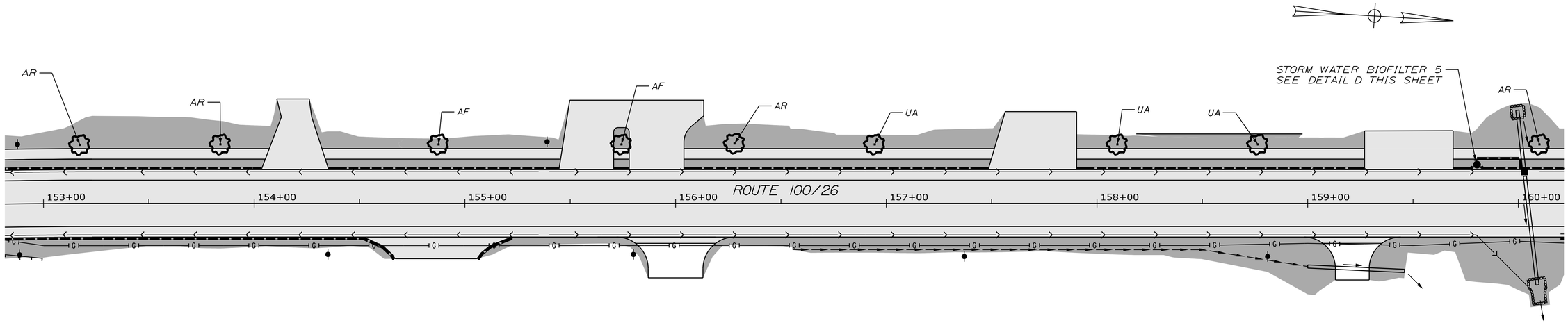
LANDSCAPE PLANS

SHEET NUMBER

221

OF 269

Filename: ...\HIGHWAY\MSTA\221_LSPlan_04.dgn Division: HIGHWAY Username: mdebowski Date:10/23/2018



SCALE OF FEET

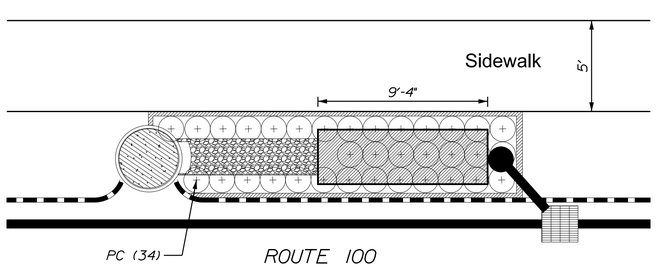
PLAN 25 0 25 50 PROFILE HORIZONTAL

5 0 5 10 PROFILE VERTICAL

BIOFILTER PLANT LIST

KEY	QTY	BOTANICAL NAME	COMMON NAME	PROP. SIZE
PC	68	PANICUM VIRGATUM 'CAPE BREEZE'	CAPE BREEZE SWITCH GRASS	2 GAL. MIN.
PV	96	PANICUM VIRGATUM 'CHEYENNE SKY'	CHEYENNE SKY SWITCH GRASS	2 GAL. MIN.
SS	69	SCHIZACHYRIUM SCOPARIUM 'PRAIRIE BLUE'	LITTLE BLUSESTEM	2 GAL. MIN.

DETAIL D
STORM WATER BIOFILTER 5
NOT TO SCALE



KEY	QTY	BOTANICAL NAME	COMMON NAME	PROP. SIZE
AC	9	AMELANCHIER GRANDIFLORA 'AUTUMN BRILLIANCE"	SHADBUSH	7'-8' CLUMP
AR	21	ACER RUBRUM 'BOWHALL'	BOWHALL RED MAPLE	2.5-3" CAL.
AF	6	ACER X FREEMANII 'SIENNA'	SIENNA GLEN MAPLE	2.5-3" CAL.
CC	4	CRATAEGUS CRUSGALLI var. INERMIS	COCKSPUR THORNLESS HAWTHORN	2" CAL.
MS	3	MALUS SPECIES 'SPRING SNOW'	FLOWERING CRABAPPLE	2" CAL.
NS	3	NYSSA SYLVATICA	BLACK TUPELO	2.5-3" CAL.
PA	3	PRUNUS X 'ACCOLADE'	ACCOLADE FLOWERING CHERRY	2" CAL.
UA	16	ULMUS AMERICANA 'PRINCETON'	PRINCETON AMERICAN ELM	2.5-3" CAL.
		APPROXIMATE LAWN AREA		
		APPROXIMATE PAVEMENT/SIDEWALK AREA		

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WIN 21784.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$	BY	DATE
DESIGN-DETAILED	$DESIGNER1$	$DETAILER1$	$PROJDATE1$
CHECKED-REVIEWED	$CHECKED1$	$CHECKED2$	$CHECKDATE$
DESIGN2-DETAILED2	$DESIGNER2$	$DETAILER2$	$PROJDATE2$
DESIGN3-DETAILED3	$DESIGNER3$	$DETAILER3$	$PROJDATE3$
REVISIONS 1	$REVISION1$		$REVDATE1$
REVISIONS 2	$REVISION2$		$REVDATE2$
REVISIONS 3	$REVISION3$		$REVDATE3$
REVISIONS 4	$REVISION4$		$REVDATE4$
FIELD CHANGES	$FIELDCHANGES		$FIELDDATE$

SIGNATURE

P.E. NUMBER

DATE

FALMOUTH
ROUTE 100\26

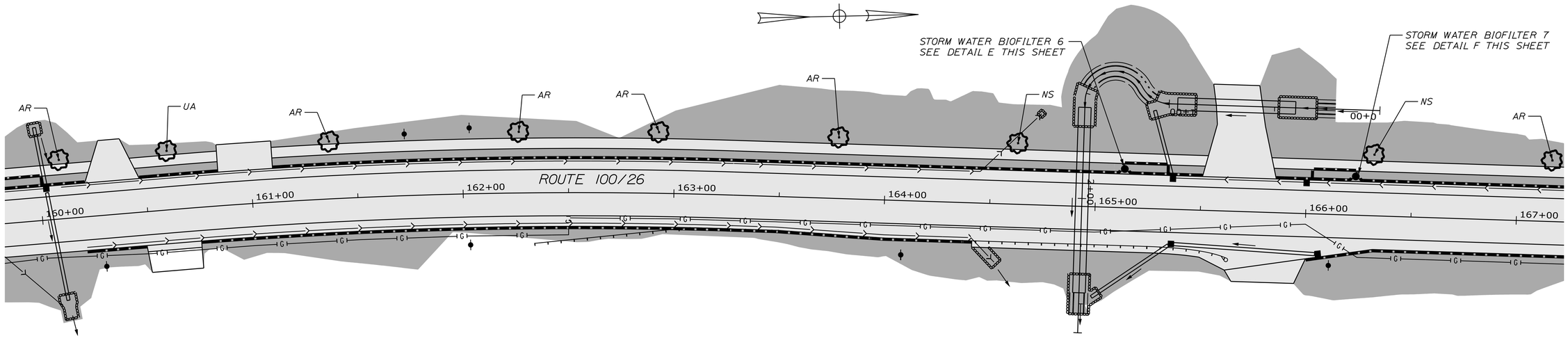
LANDSCAPE PLANS

SHEET NUMBER

222

OF 269

Filename: ...\HIGHWAY\MSTA\222_LSPlan_05.dgn Division: HIGHWAY Username: mdebowski Date:10/23/2018



SCALE OF FEET

PLAN 25 0 25 50 PROFILE HORIZONTAL

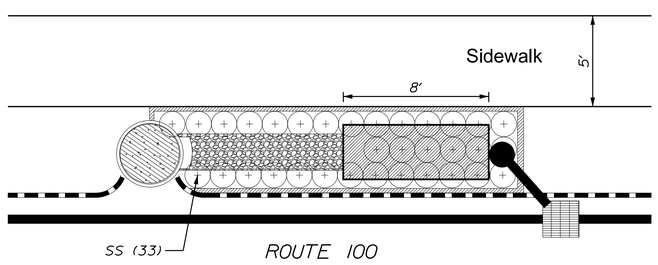
5 0 5 10 PROFILE VERTICAL

BIOFILTER PLANT LIST

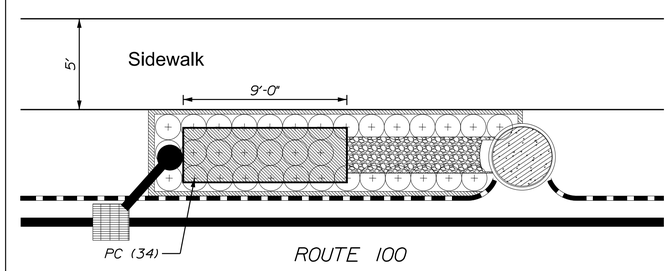
KEY	QTY	BOTANICAL NAME	COMMON NAME	PROP. SIZE
PC	68	PANICUM VIRGATUM 'CAPE BREEZE'	CAPE BREEZE SWITCH GRASS	2 GAL. MIN.
PV	96	PANICUM VIRGATUM 'CHEYENNE SKY'	CHEYENNE SKY SWITCH GRASS	2 GAL. MIN.
SS	69	SCHIZACHYRIUM SCOPARIUM 'PRAIRIE BLUE'	LITTLE BLUSESTEM	2 GAL. MIN.

KEY	QTY	BOTANICAL NAME	COMMON NAME	PROP. SIZE
AC	9	AMELANCHIER GRANDIFLORA 'AUTUMN BRILLIANCE"	SHADBUSH	7'-8' CLUMP
AR	21	ACER RUBRUM 'BOWHALL'	BOWHALL RED MAPLE	2.5-3" CAL.
AF	6	ACER X FREEMANII 'SIENNA'	SIENNA GLEN MAPLE	2.5-3" CAL.
CC	4	CRATAEGUS CRUSGALLI var. INERMIS	COCKSPUR THORNLESS HAWTHORN	2" CAL.
MS	3	MALUS SPECIES 'SPRING SNOW'	FLOWERING CRABAPPLE	2" CAL.
NS	3	NYSSA SYLVATICA	BLACK TUPELO	2.5-3" CAL.
PA	3	PRUNUS X 'ACCOLADE'	ACCOLADE FLOWERING CHERRY	2" CAL.
UA	16	ULMUS AMERICANA 'PRINCETON'	PRINCETON AMERICAN ELM	2.5-3" CAL.
		APPROXIMATE LAWN AREA		
		APPROXIMATE PAVEMENT/SIDEWALK AREA		

DETAIL E
STORM WATER BIOFILTER 6
NOT TO SCALE



DETAIL F
STORM WATER BIOFILTER 7
NOT TO SCALE



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WIN 21784.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$	BY	DATE
DESIGN-DETAILED	$DESIGNER1$	$DETAILER1$	$PROJDATE1$
CHECKED-REVIEWED	$CHECKED1$	$CHECKER2$	$CHECKDATE$
DESIGN2-DETAILED2	$DESIGNER2$	$DETAILER2$	$PROJDATE2$
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REVISIONS: 3	$REVISION3$		$REVDATE3$
REVISIONS: 4	$REVISION4$		$REVDATE4$
FIELD CHANGES	$FIELDCHANGES$		$FIELDDATE$

SIGNATURE

P.E. NUMBER

DATE

FALMOUTH
ROUTE 100\26

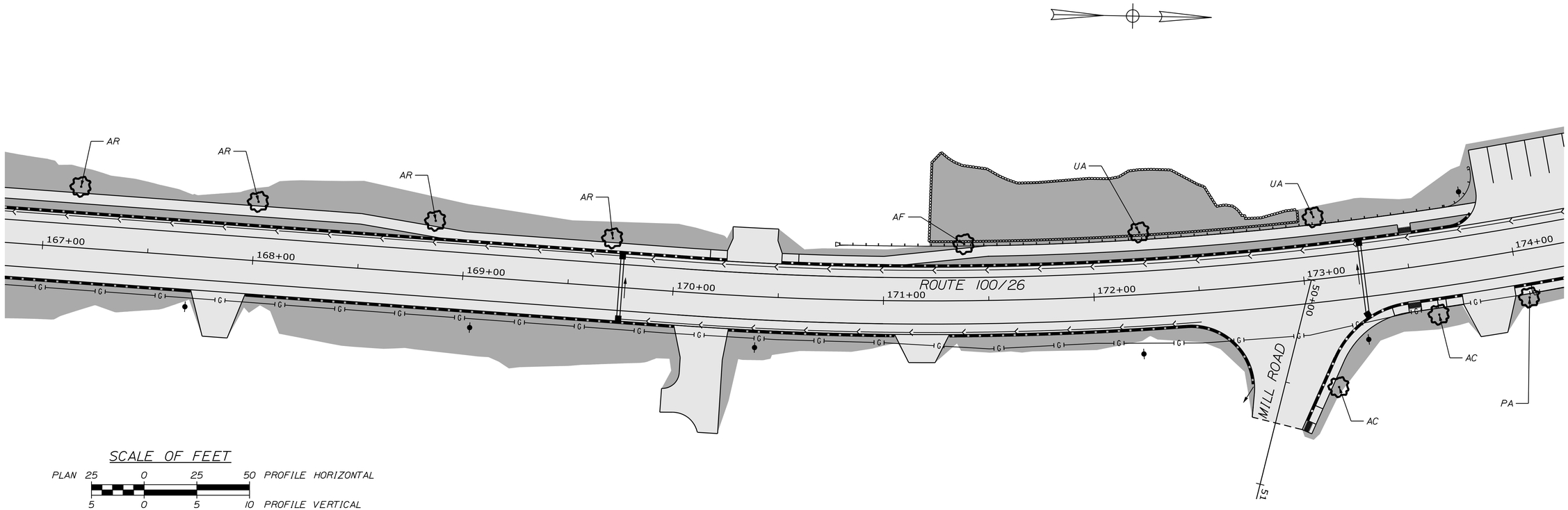
LANDSCAPE PLANS

SHEET NUMBER

223

OF 269

Filename: ...\HIGHWAY\MSTA\223_LSPlan_06.dgn Division: HIGHWAY Username: mdebowski Date:10/23/2018



SCALE OF FEET

PLAN 25 0 25 50 PROFILE HORIZONTAL

5 0 5 10 PROFILE VERTICAL

KEY	QTY	BOTANICAL NAME	COMMON NAME	PROP. SIZE
AC	9	AMELANCHIER GRANDIFLORA 'AUTUMN BRILLIANCE"	SHADBUSH	7'-8' CLUMP
AR	21	ACER RUBRUM 'BOWHALL'	BOWHALL RED MAPLE	2.5-3" CAL.
AF	6	ACER X FREEMANII 'SIENNA'	SIENNA GLEN MAPLE	2.5-3" CAL.
CC	4	CRATAEGUS CRUSGALLI var. INERMIS	COCKSPUR THORNLESS HAWTHORN	2" CAL.
MS	3	MALUS SPECIES 'SPRING SNOW'	FLOWERING CRABAPPLE	2" CAL.
NS	3	NYSSA SYLVATICA	BLACK TUPELO	2.5-3" CAL.
PA	3	PRUNUS X 'ACCOLADE'	ACCOLADE FLOWERING CHERRY	2" CAL.
UA	16	ULMUS AMERICANA 'PRINCETON'	PRINCETON AMERICAN ELM	2.5-3" CAL.
		APPROXIMATE LAWN AREA		
		APPROXIMATE PAVEMENT/SIDEWALK AREA		

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WIN 21784.00 HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$	BY	DATE
DESIGN-DETAILED	$DESIGNER1$	$DETAILER1$	$PROJDATE1$
CHECKED-REVIEWED	$CHECKED1$	$CHECKED2$	$CHECKDATE$
DESIGN2-DETAILED2	$DESIGNER2$	$DETAILER2$	$PROJDATE2$
DESIGN3-DETAILED3	$DESIGNER3$	$DETAILER3$	$PROJDATE3$
REVISIONS 1	$REVISION1$	$REVDATE1$	P.E. NUMBER
REVISIONS 2	$REVISION2$	$REVDATE2$	
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REVISIONS 4	$REVISION4$	$REVDATE4$	DATE
FIELD CHANGES	$FIELDCHANGES$	$FIELDDATE$	

FALMOUTH
ROUTE 100\26

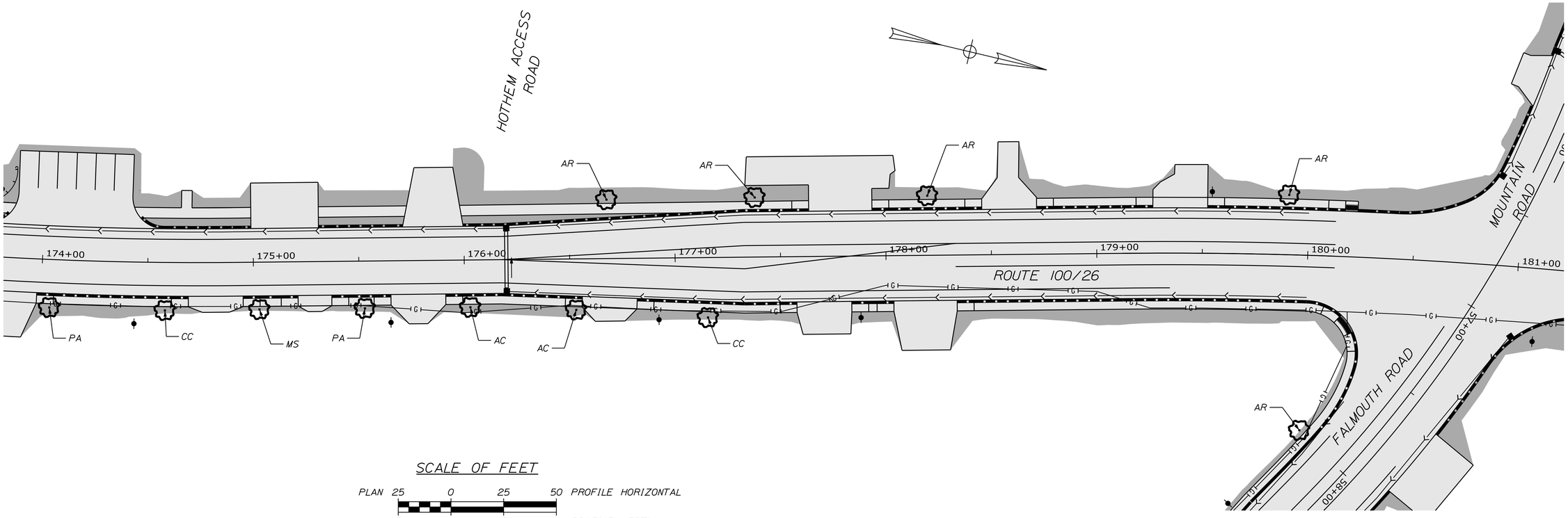
LANDSCAPE PLANS

SHEET NUMBER

224

OF 269

Filename: ...\HIGHWAY\MSTA\224_LSPlan_07.dgn Division: HIGHWAY Username: mdebowski Date:10/23/2018



SCALE OF FEET

PLAN 25 0 25 50 PROFILE HORIZONTAL

5 0 5 10 PROFILE VERTICAL

KEY	QTY	BOTANICAL NAME	COMMON NAME	PROP. SIZE
AC	9	AMELANCHIER GRANDIFLORA 'AUTUMN BRILLIANCE"	SHADBUSH	7'-8' CLUMP
AR	21	ACER RUBRUM 'BOWHALL'	BOWHALL RED MAPLE	2.5-3" CAL.
AF	6	ACER X FREEMANII 'SIENNA'	SIENNA GLEN MAPLE	2.5-3" CAL.
CC	4	CRATAEGUS CRUSGALLI var. INERMIS	COCKSPUR THORNLESS HAWTHORN	2" CAL.
MS	3	MALUS SPECIES 'SPRING SNOW'	FLOWERING CRABAPPLE	2" CAL.
NS	3	NYSSA SYLVATICA	BLACK TUPELO	2.5-3" CAL.
PA	3	PRUNUS X 'ACCOLADE'	ACCOLADE FLOWERING CHERRY	2" CAL.
UA	16	ULMUS AMERICANA 'PRINCETON'	PRINCETON AMERICAN ELM	2.5-3" CAL.
		APPROXIMATE LAWN AREA		
		APPROXIMATE PAVEMENT/SIDEWALK AREA		

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WIN 21784.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$	BY	DATE
DESIGN-DETAILED	$DESIGNER1$	$DETAILER1$	$PROJDATE1$
CHECKED-REVIEWED	$CHECKED1$	$CHECKED2$	$CHECKDATE$
DESIGN2-DETAILED2	$DESIGNER2$	$DETAILER2$	$PROJDATE2$
DESIGN3-DETAILED3	$DESIGNER3$	$DETAILER3$	$PROJDATE3$
REVISIONS 1	$REVISION1$	$REVDATE1$	P.E. NUMBER
REVISIONS 2	$REVISION2$	$REVDATE2$	
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REVISIONS 4	$REVISION4$	$REVDATE4$	DATE
FIELD CHANGES	$FIELDCHANGES$	$FIELDDATE$	SIGNATURE

FALMOUTH
ROUTE 100\26

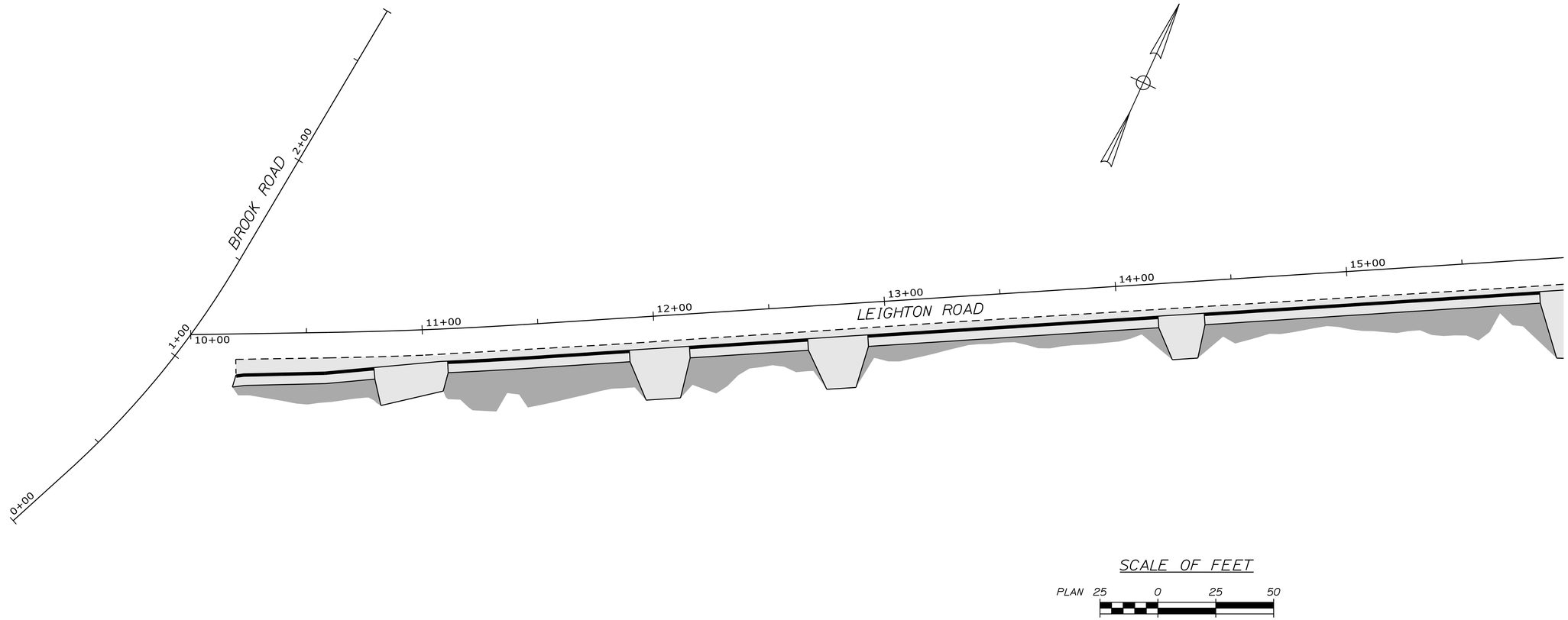
LANDSCAPE PLANS

SHEET NUMBER

225

OF 269

Filename: ...\HIGHWAY\MSTA\225_LSPlan_08.dgn Division: HIGHWAY Username: mdebowski Date:10/23/2018



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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WIN 21784.00 HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$	BY	DATE
DESIGN-DETAILED	$DESIGNER1$	$DETAILER1$	$PROJDATE1$
CHECKED-REVIEWED	$CHECKED1$	$CHECKED2$	$CHECKDATE$
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REVISIONS 1	$REVISION1$		$REVDATE1$
REVISIONS 2	$REVISION2$		$REVDATE2$
REVISIONS 3	$REVISION3$		$REVDATE3$
REVISIONS 4	$REVISION4$		$REVDATE4$
FIELD CHANGES	$FIELDCHANGES$		$FIELDDATE$

SIGNATURE

P.E. NUMBER

DATE

FALMOUTH
ROUTE 100\26

LANDSCAPE PLANS

SHEET NUMBER

226

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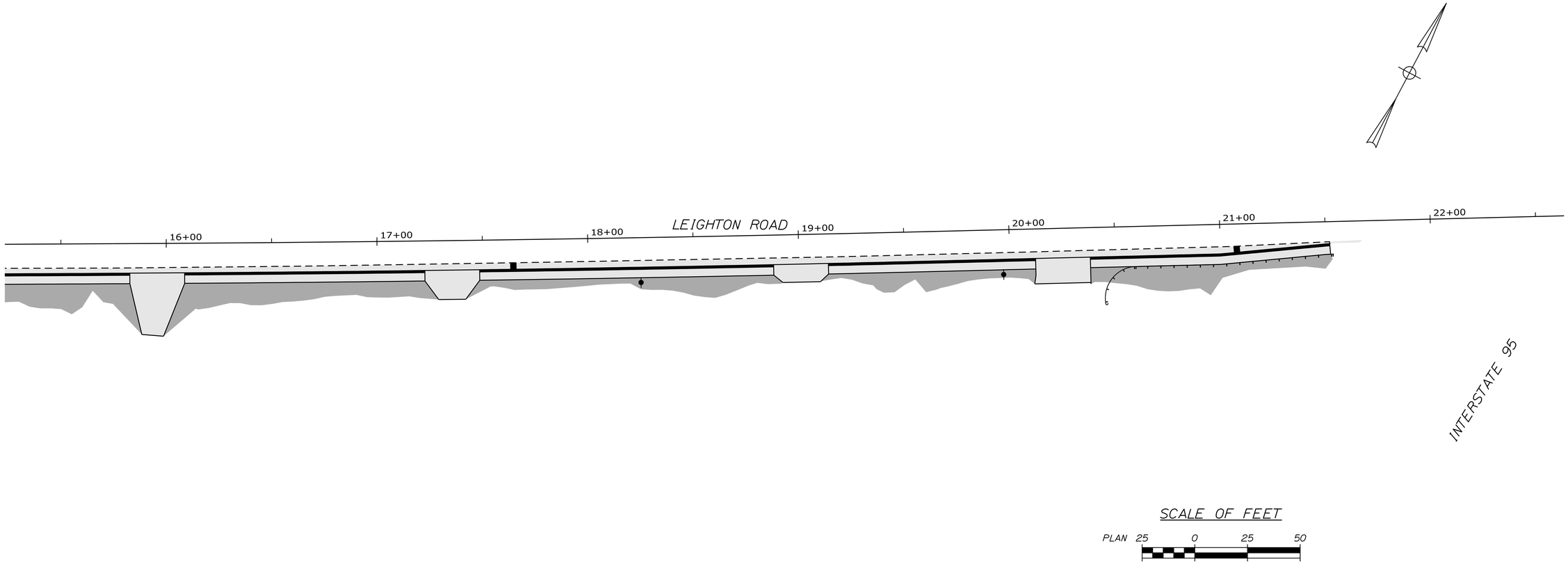

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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WIN 21784.00 HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$	BY	DATE
DESIGN-DETAILED	$DESIGNER1$	$DETAILER1$	$PROJDATE1$
CHECKED-REVIEWED	$CHECKED1$	$CHECKED2$	$CHECKDATE$
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REVISIONS 2	$REVISION2$		$REVDATE2$
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REVISIONS 4	$REVISION4$		$REVDATE4$
FIELD CHANGES	$FIELDCHANGES$		$FIELDDATE$

SIGNATURE

P.E. NUMBER

DATE

FALMOUTH
ROUTE 100\26

LANDSCAPE PLANS

SHEET NUMBER

227

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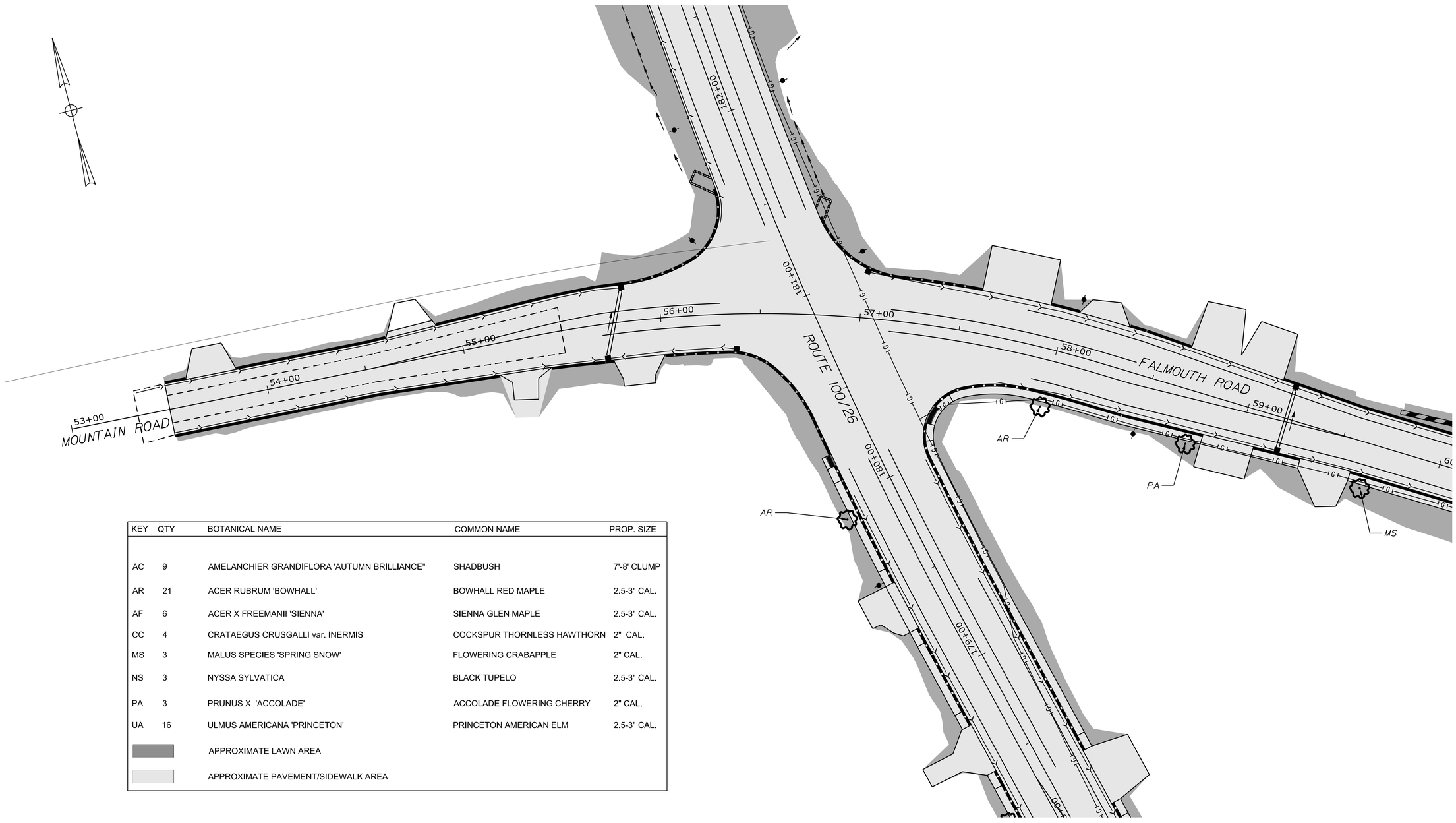

KEY	QTY	BOTANICAL NAME	COMMON NAME	PROP. SIZE
AC	9	AMELANCHIER GRANDIFLORA 'AUTUMN BRILLIANCE"	SHADBUSH	7'-8' CLUMP
AR	21	ACER RUBRUM 'BOWHALL'	BOWHALL RED MAPLE	2.5-3" CAL.
AF	6	ACER X FREEMANII 'SIENNA'	SIENNA GLEN MAPLE	2.5-3" CAL.
CC	4	CRATAEGUS CRUSGALLI var. INERMIS	COCKSPUR THORNLESS HAWTHORN	2" CAL.
MS	3	MALUS SPECIES 'SPRING SNOW'	FLOWERING CRABAPPLE	2" CAL.
NS	3	NYSSA SYLVATICA	BLACK TUPELO	2.5-3" CAL.
PA	3	PRUNUS X 'ACCOLADE'	ACCOLADE FLOWERING CHERRY	2" CAL.
UA	16	ULMUS AMERICANA 'PRINCETON'	PRINCETON AMERICAN ELM	2.5-3" CAL.
		APPROXIMATE LAWN AREA		
		APPROXIMATE PAVEMENT/SIDEWALK AREA		

SCALE OF FEET

PLAN 25 0 25 50

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WIN 21784.00 HIGHWAY PLANS

		BY	DATE
PROJ. MANAGER	$PROJMANAGER$		
DESIGN-DETAILED	$DESIGNER1$	$DETAILER1$	$PROJDATE1$
CHECKED-REVIEWED	$CHECKED1$	$CHECKED2$	$CHECKDATE$
DESIGN2-DETAILED2	$DESIGNER2$	$DETAILER2$	$PROJDATE2$
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REVISIONS 1	$REVISION1$		$REVDATE1$
REVISIONS 2	$REVISION2$		$REVDATE2$
REVISIONS 3	$REVISION3$		$REVDATE3$
REVISIONS 4	$REVISION4$		$REVDATE4$
FIELD CHANGES	$FIELDCHANGES		$FIELDDATE$

SIGNATURE

P.E. NUMBER

DATE

FALMOUTH
ROUTE 100\26

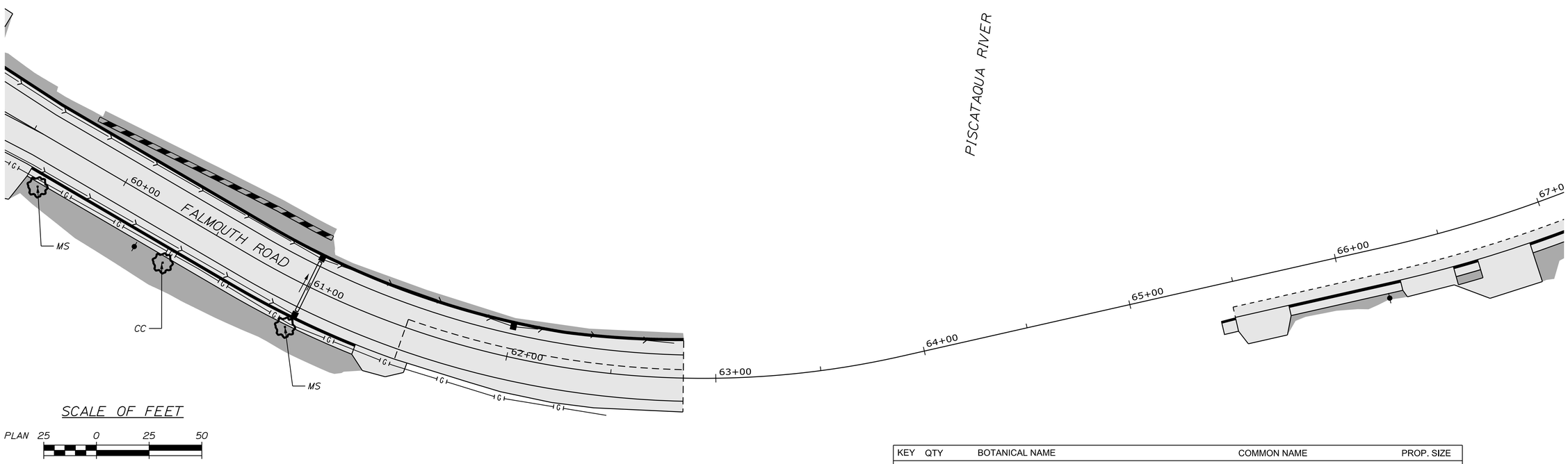
LANDSCAPE PLANS

SHEET NUMBER

228

OF 269

Filename: ...\HIGHWAY\MSTA\228_LSPlan_11.dgn Division: HIGHWAY Username: mdebowski Date:10/23/2018



KEY	QTY	BOTANICAL NAME	COMMON NAME	PROP. SIZE
AC	9	AMELANCHIER GRANDIFLORA 'AUTUMN BRILLIANCE"	SHADBUSH	7'-8' CLUMP
AR	21	ACER RUBRUM 'BOWHALL'	BOWHALL RED MAPLE	2.5-3" CAL.
AF	6	ACER X FREEMANII 'SIENNA'	SIENNA GLEN MAPLE	2.5-3" CAL.
CC	4	CRATAEGUS CRUSGALLI var. INERMIS	COCKSPUR THORNLESS HAWTHORN	2" CAL.
MS	3	MALUS SPECIES 'SPRING SNOW'	FLOWERING CRABAPPLE	2" CAL.
NS	3	NYSSA SYLVATICA	BLACK TUPELO	2.5-3" CAL.
PA	3	PRUNUS X 'ACCOLADE'	ACCOLADE FLOWERING CHERRY	2" CAL.
UA	16	ULMUS AMERICANA 'PRINCETON'	PRINCETON AMERICAN ELM	2.5-3" CAL.
		APPROXIMATE LAWN AREA		
		APPROXIMATE PAVEMENT/SIDEWALK AREA		

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WIN 21784.00 HIGHWAY PLANS

		BY	DATE
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DESIGN-DETAILED	$DESIGNER15	$DETAILER1	$PROJDATE1
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REVISIONS 2	$REVISION2$	$REVDATE2	
REVISIONS 3	$REVISION3$	$REVDATE3	
REVISIONS 4	$REVISION4$	$REVDATE4	DATE
FIELD CHANGES	$FIELDCHANGES	$FIELDDATE1	

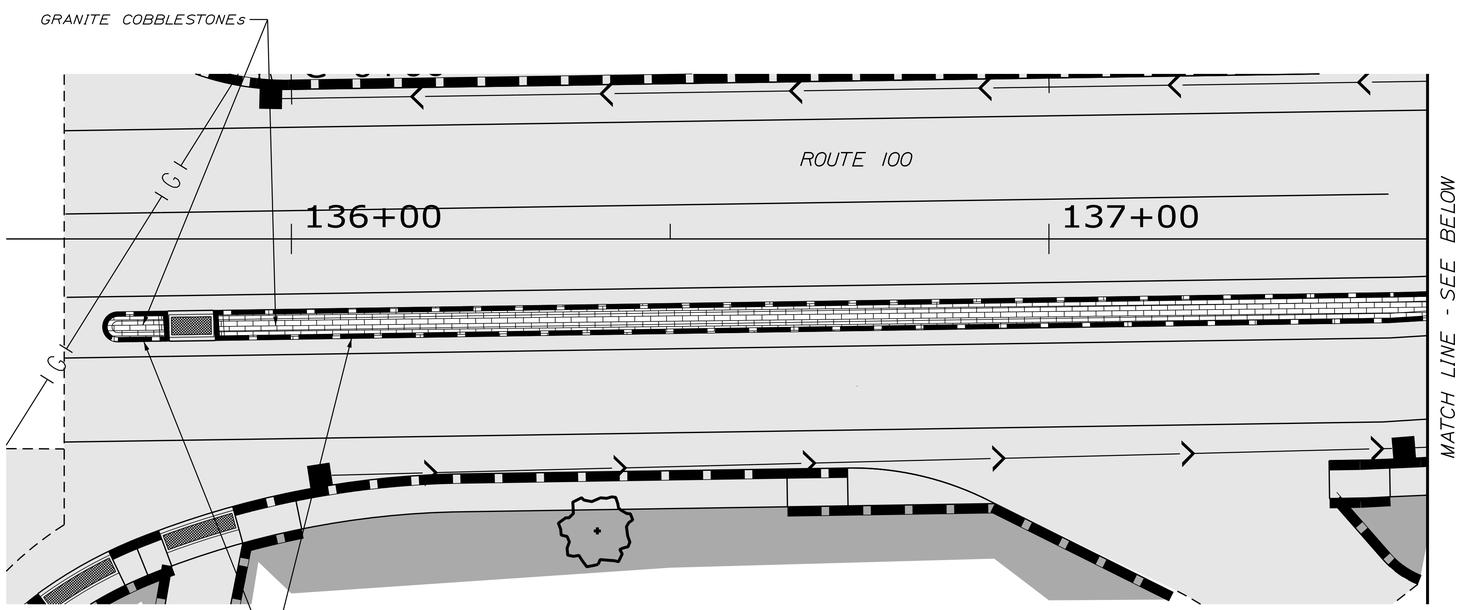
SIGNATURE

FALMOUTH
ROUTE 100\26

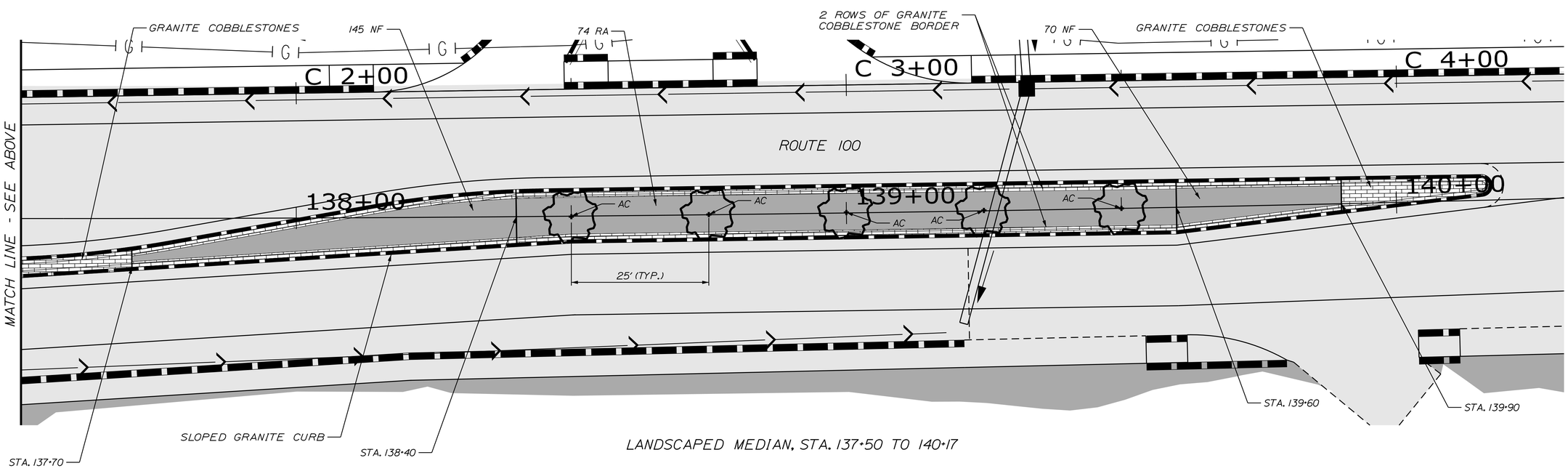
LANDSCAPE PLANS

SHEET NUMBER
229
OF 269

Filename: ...\HIGHWAY\MSTA\229_LSPlan_12.dgn Division: HIGHWAY Username: mdebowski Date:10/23/2018



LANDSCAPED MEDIAN, STA. 135+75 TO 137+50



LANDSCAPED MEDIAN, STA. 137+50 TO 140+17

KEY	
	APPROXIMATE LAWN AREA AND PLANTING
	APPROXIMATE PAVEMENT/SIDEWALK AREA

Legend - Center Islands Plant List

KEY	QTY	BOTANICAL NAME	COMMON NAME	PROP. SIZE
PERENNIALS				
HS	24	HEMEROCALLIS 'HAPPY RETURNS'	HAPPY RETURNS DAYLILY	1 GAL.
NF	255	NEPETA FAASSENII 'WALKERS LOW'	WALKERS LOW CATMINT	1 GAL.
SHRUBS				
RA	74	RHUS AROMATICA 'GRO-LOW'	FRAGRANT SUMAC	3 GAL.

SCALE OF FEET

10 0 10 20

10 0 10 20

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WIN 21784.00

HIGHWAY PLANS

PROJ. MANAGER	$PROJMANAGER$	BY	DATE
DESIGN-DETAILED	$DESIGNER1$	$DETAILER1$	PROJDATE1$
CHECKED-REVIEWED	$CHECKED1$	$CHECKER1$	CHECKDATE1$
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DESIGN3-DETAILED3	$DESIGNER3$	$DETAILER3$	PROJDATE3$
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REVISIONS: 2	$REVISION2$		REVDATE2$
REVISIONS: 3	$REVISION3$		REVDATE3$
REVISIONS: 4	$REVISION4$		REVDATE4$
FIELD CHANGES	$FIELDCHANGES$		FIELDDATE1$

SIGNATURE

P.E. NUMBER

DATE

FALMOUTH
ROUTE 100\26

MEDIAN LANDSCAPING

SHEET NUMBER

230

OF 269

Filename: ...\230_Median_Landscaping.dgn Division: HIGHWAY Username: mdebowski Date:10/23/2018