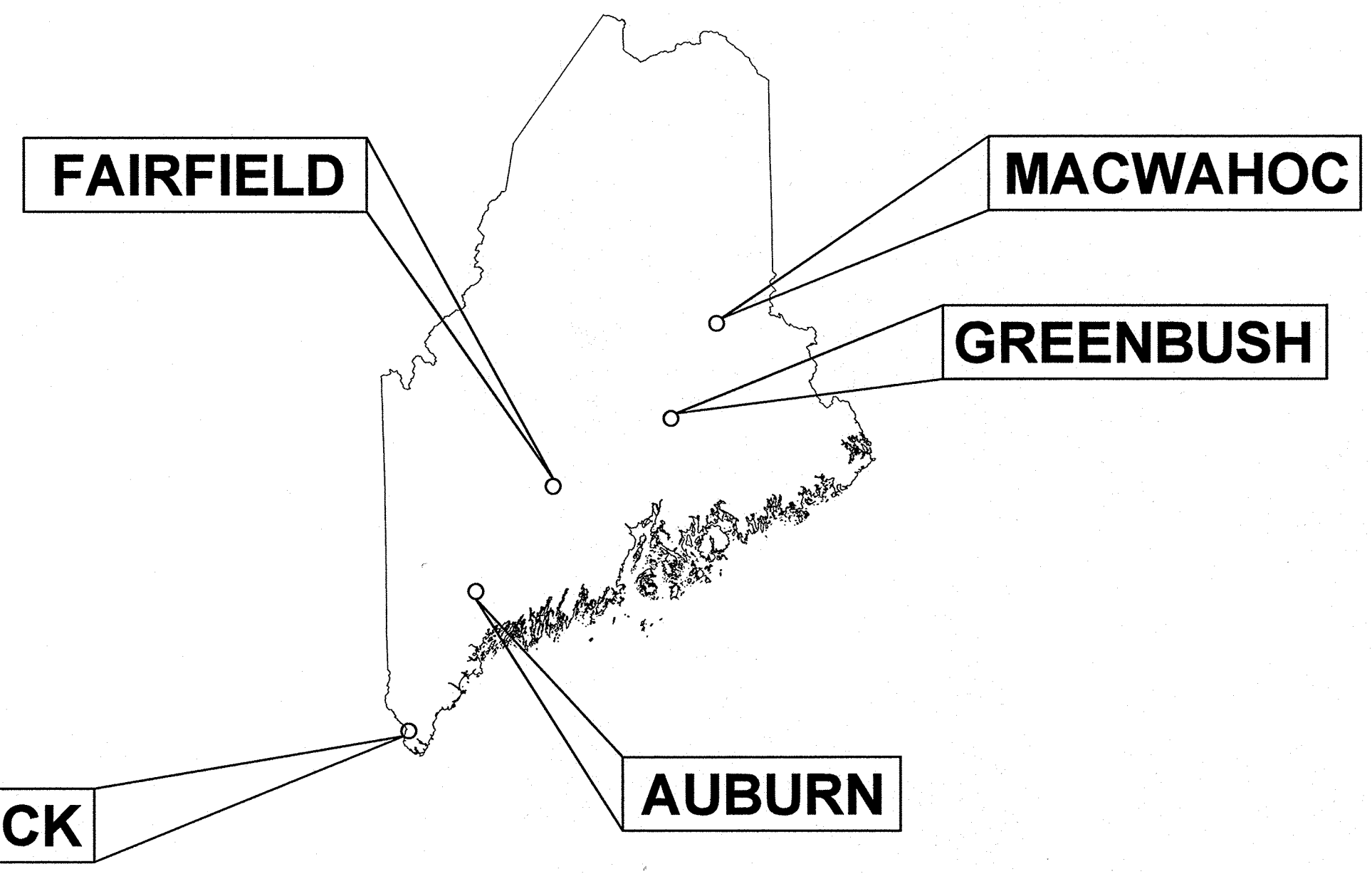


STATE OF MAINE
DEPARTMENT OF TRANSPORTATION



STATEWIDE

RWIS INSTALLATIONS
FEDERAL PROJECT NO. 2845400
STATE WIN 028454.00



PLAN LEGEND

Town, County, State	Centerline-Existing	
Property Lines	Travelway-Existing	
R/W Lines-Existing	Travelway-Proposed	
R/W Lines-Proposed	Railroad	
Culvert-Existing	Catch Basins	Existing Proposed
Culvert Proposed	Manholes	Existing Proposed
Curbing Existing	Proposed Underdrain	
Curbing Proposed	Proposed Ditch	
Type 1	Existing Ditch	
Type 3	Utility Poles	Existing Proposed
Type 5	Fire Hydrants	Existing Proposed
Outline of Bodies of Water	Existing Water Line	
Exposed Bedrock	Existing San. Sewer	
Buildings	Existing San. Sewer Manhole	
Trees Conifer	Guardrail-Existing	
Trees Deciduous	Guardrail-Proposed	
Tree Line	Guardrail-Cable, Other	
Clearing Limit Line		
Boring		
Existing Overhead Line	Existing	Proposed
Overhead Electric		
Electrical Conduit		
Communication Conduit		
ITS Controller Cabinet		
Solar Panel Array		
Road Weather		
Information Station (RWIS)		
Pullbox		
Meter Pedestal		
Support Posts		
Light Pole		

INDEX OF SHEETS

Description	Sheet No.
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Details	6
Equipment Plans	7-11

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

APPROVED
COMMISSIONER: [Signature]
CHIEF ENGINEER: [Signature]

DATE
10-2-2026

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

MARK
D. LORING
P.E. No. 11481

10-2-2026

PROJECT INFORMATION

PROGRAM	TRAFFIC
PROJECT MANAGER	D. LORING
DESIGNER	D. SCHADEL
CONSULTANT	VHB
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	

STATEWIDE
RWIS INSTALLATIONS

TITLE SHEET

SHEET NUMBER

1

OF 11

PROJECT LOCATION:	Aroostook, Penobscot, Somerset, Androscoggin and York Counties. Including the Towns of Macwahoc, Greenbush, Fairfield, Auburn, and South Berwick
PROGRAM AREA:	Traffic/ITS (Intelligent Transportation Systems)
OUTLINE OF WORK:	This project will install five (5) new Road Weather Information Stations (RWIS) across the State of Maine.

Date: 9/30/2026
Username: jorobert
Division: HIGHWAY
Filename: 001_Title.dgn

WIN028454.00

GENERAL NOTES:

1. ALL WORK SHALL CONFORM TO THE MARCH 2026 EDITION OF THE MAINE DEPARTMENT OF TRANSPORTATION (MAINEDOT) STANDARD SPECIFICATIONS.
2. CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE MARCH 2026 EDITION OF THE MAINEDOT STANDARD DETAILS AND THE MAINEDOT BEST MANAGEMENT PRACTICES FOR EROSION AND SEDIMENT CONTROL (LATEST EDITION AND REVISIONS) UNLESS OTHERWISE INDICATED IN THESE PLANS.
3. NO FORMAL SURVEY WAS CONDUCTED FOR THE DESIGN OF THIS PROJECT. CONDUITS AND PULL BOXES WERE NOT ASSIGNED GPS COORDINATES. DESIGN WAS BASED ON AERIAL PHOTOGRAPHY, AND FIELD INVESTIGATION CONDUCTED BY VHB.
4. ALL NON-PAVED AREAS DISTURBED DURING CONSTRUCTION SHALL BE LOAMED AND SEEDED, UNLESS OTHERWISE DIRECTED BY THE RESIDENT. ALL PAVED AREAS DISTURBED DURING CONSTRUCTION SHALL BE REPAIRED BY THE CONTRACTOR. COSTS FOR REPAIR OF DISTURBED AREAS SHALL BE INCIDENTAL TO OTHER CONTRACT ITEMS.
5. THE CONTRACTOR SHALL CONTACT DIG SAFE PRIOR TO ANY EXCAVATION WORK.
6. THE CONTRACTOR SHALL INSTALL A GROUNDING SYSTEM FOR EACH INSTALLATION THAT FOLLOWS LOCAL STATE, AND NEC GUIDELINES. THE CONTRACTOR SHALL VERIFY A READING THAT MEETS MANUFACTURERS RECOMMENDATIONS UPON INSTALLATION. IN THE EVENT OF ONE OR TWO STANDARD COPPER GROUND RODS ARE INSUFFICIENT TO MEET THE MANUFACTURER'S GROUNDING REQUIREMENTS, THE CONTRACTOR SHALL INSTALL A CHEMICAL GROUND ELECTRODE SYSTEM. THE CHEMICAL GROUND ELECTRODE SYSTEM SHALL EITHER BE EPA APPROVED OR PLACED IN EPA APPROVED AND IEC 62561 BENCHMARK-EXCEEDING GROUND ENHANCEMENT MATERIAL.
7. THE CONTRACTOR SHALL STAKE OUT THE LOCATION OF ALL PROPOSED WOOD POLES AND RWIS EQUIPMENT AND REQUEST APPROVAL FROM THE RESIDENT PRIOR TO ORDERING MATERIALS.

TEMPORARY TRAFFIC CONTROL:

1. ALL TRAFFIC CONTROL EQUIPMENT, DEVICES, AND TEMPORARY TRAFFIC CONTROLS SHALL CONFORM TO THE 11TH EDITION OF THE FEDERAL HIGHWAY ADMINISTRATION (FHWA) MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), CHAPTER 6 AND THE MARCH 2026 EDITION OF THE MAINEDOT STANDARD DETAILS.
2. ALL TEMPORARY TRAFFIC CONTROL SIGNS, SIGN SUPPORT STRUCTURES, CHANNELIZING DEVICES, FLASHING ARROW PANELS (FAP), PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) AND OTHER TRAFFIC CONTROL EQUIPMENT ALONG THE ROADSIDE SHALL MEET OR EXCEED MANUAL FOR ASSESSING SAFETY HARDWARE (MASH) 2016, TEST LEVEL 3 (TL-3) IF MANUFACTURED AFTER DECEMBER 31, 2019. ALL OTHER TRAFFIC CONTROL EQUIPMENT SHALL MEET OR EXCEED NCHRP 350 TL-3.
3. ALL TEMPORARY TRAFFIC CONTROL SIGNS SHALL HAVE ASTM D4956 TYPE VII, TYPE VIII OR TYPE IX SUPER HIGH INTENSITY OR PRISMATIC FLUORESCENT RETROREFLECTIVE SHEETING AND SHALL BE MAINTAINED IN LIKE-NEW CONDITION. ALL ORANGE CONSTRUCTION SIGNS SHALL BE FLUORESCENT ORANGE WITH TYPE IX SHEETING. PLACEMENT OF CONSTRUCTION SIGNS SHALL BE ADJUSTED TO AVOID OBSTRUCTING EXISTING SIGNS AND TO ENSURE PROPER SIGHT LINES TO THE CONSTRUCTION SIGNS AS DETERMINED BY THE RESIDENT.
4. ANY SIGNS, EQUIPMENT, OR DEVICES FOUND TO BE DAMAGED OR UNSERVICEABLE SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
5. ALL SHOULDER AND LANE CLOSURES SHALL REQUIRE APPROVAL OF THE RESIDENT A MINIMUM OF TWO WORKING DAYS IN ADVANCE OF THE CLOSURE.
6. IF WORK IS TO BE CONDUCTED AT NIGHT, THE CONTRACTOR SHALL SUBMIT A LIGHTING PLAN FOR NIGHT WORK TO THE RESIDENT FOR APPROVAL.

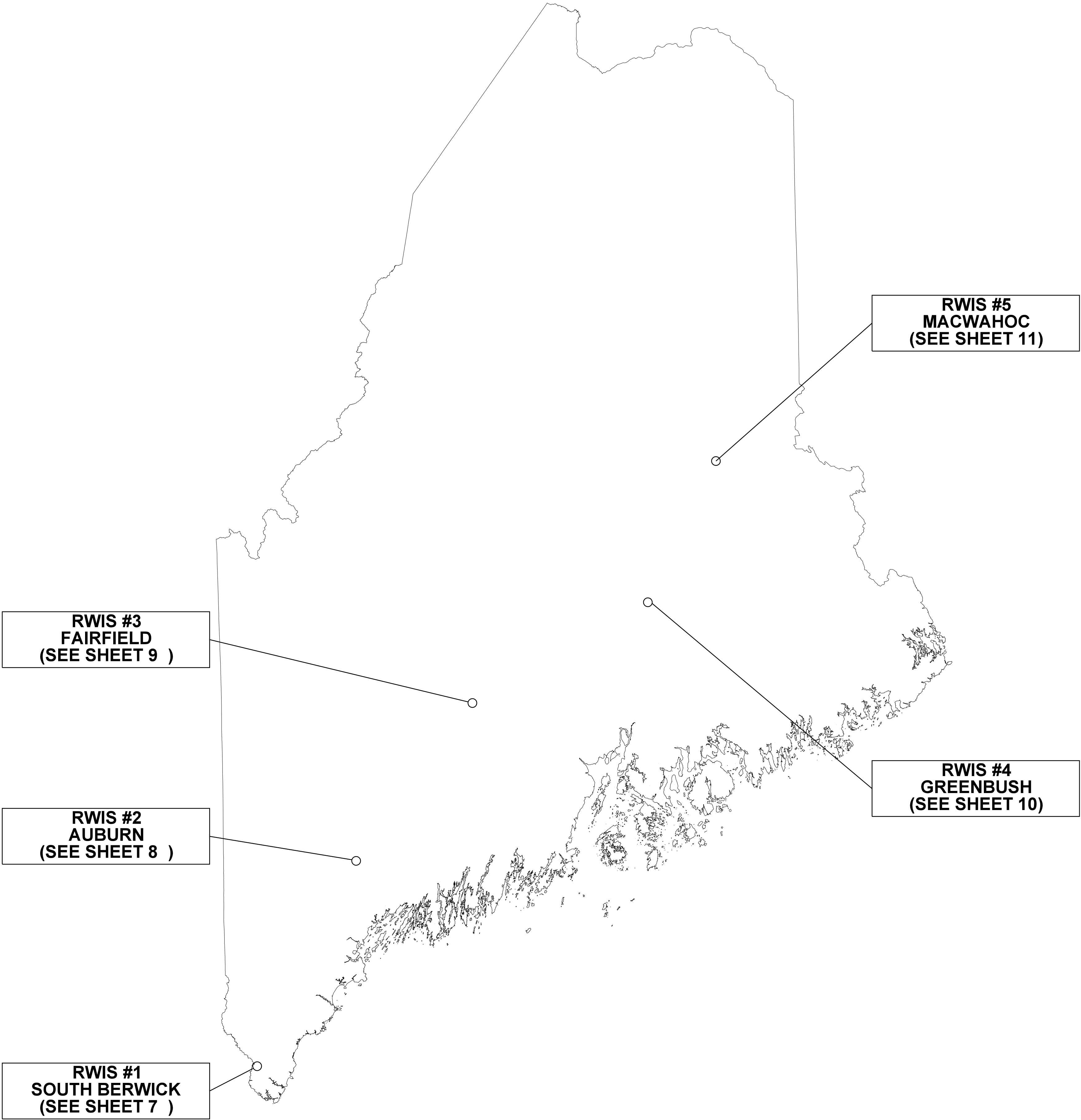
GUARDRAIL PROTECTION:

1. IF THE CONTRACTOR ELECTS TO REMOVE A SEGMENT OF GUARDRAIL FOR ACCESS TO THE WORK AREA, THE CONTRACTOR SHALL RESET THE GUARDRAIL AT THE END OF THE WORKDAY. ALTERNATIVELY, THE CONTRACTOR SHALL PROTECT THE TEMPORARY BLUNT END WITH A SUITABLE CRASH CUSHION. CRASH CUSHIONS INSTALLED FOR THE CONTRACTOR'S CONVENIENCE WILL NOT BE PAID FOR BUT WILL BE CONSIDERED INCIDENTAL TO THE MAINTENANCE OF TRAFFIC CONTROL DEVICES ITEM.

STATEWIDE
RWIS INSTALLATIONS
GENERAL NOTES

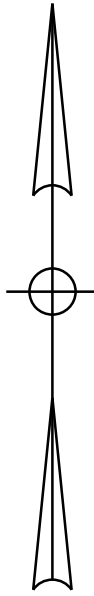
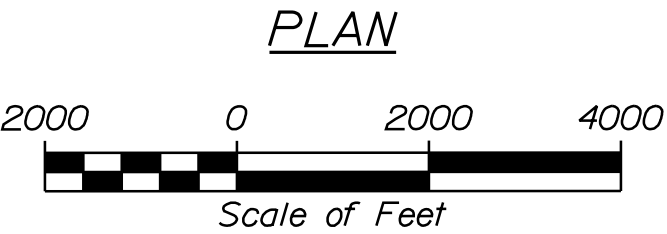
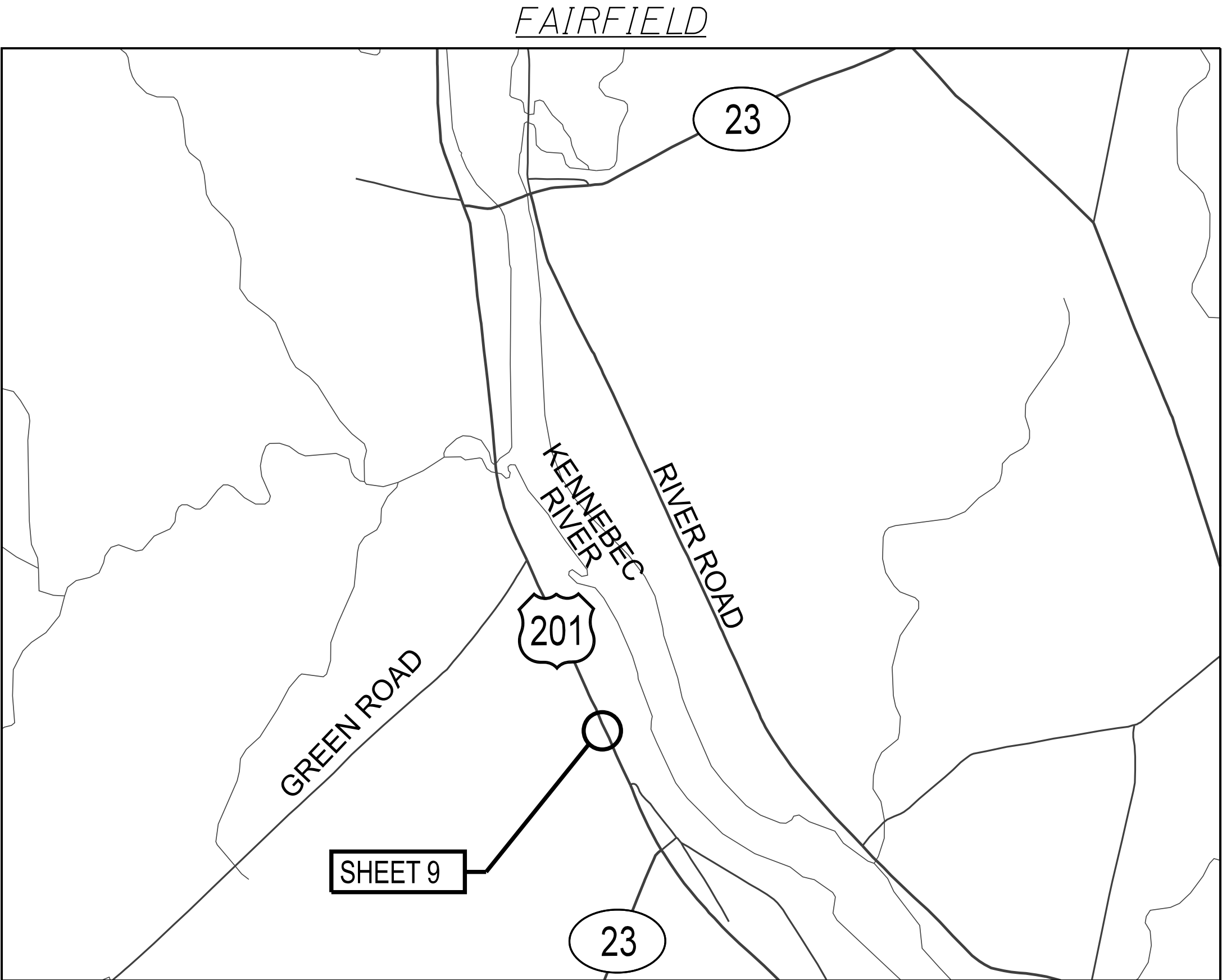
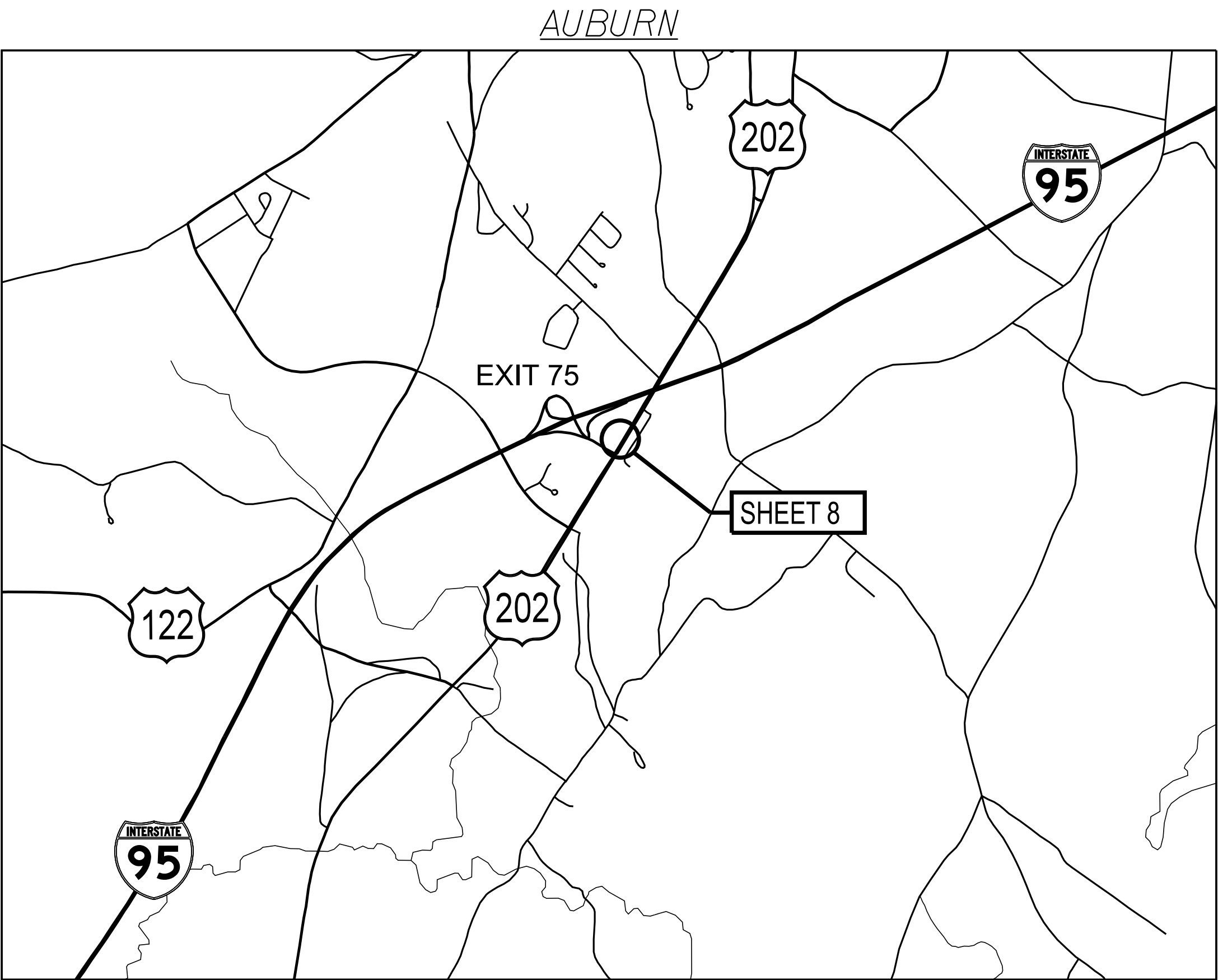
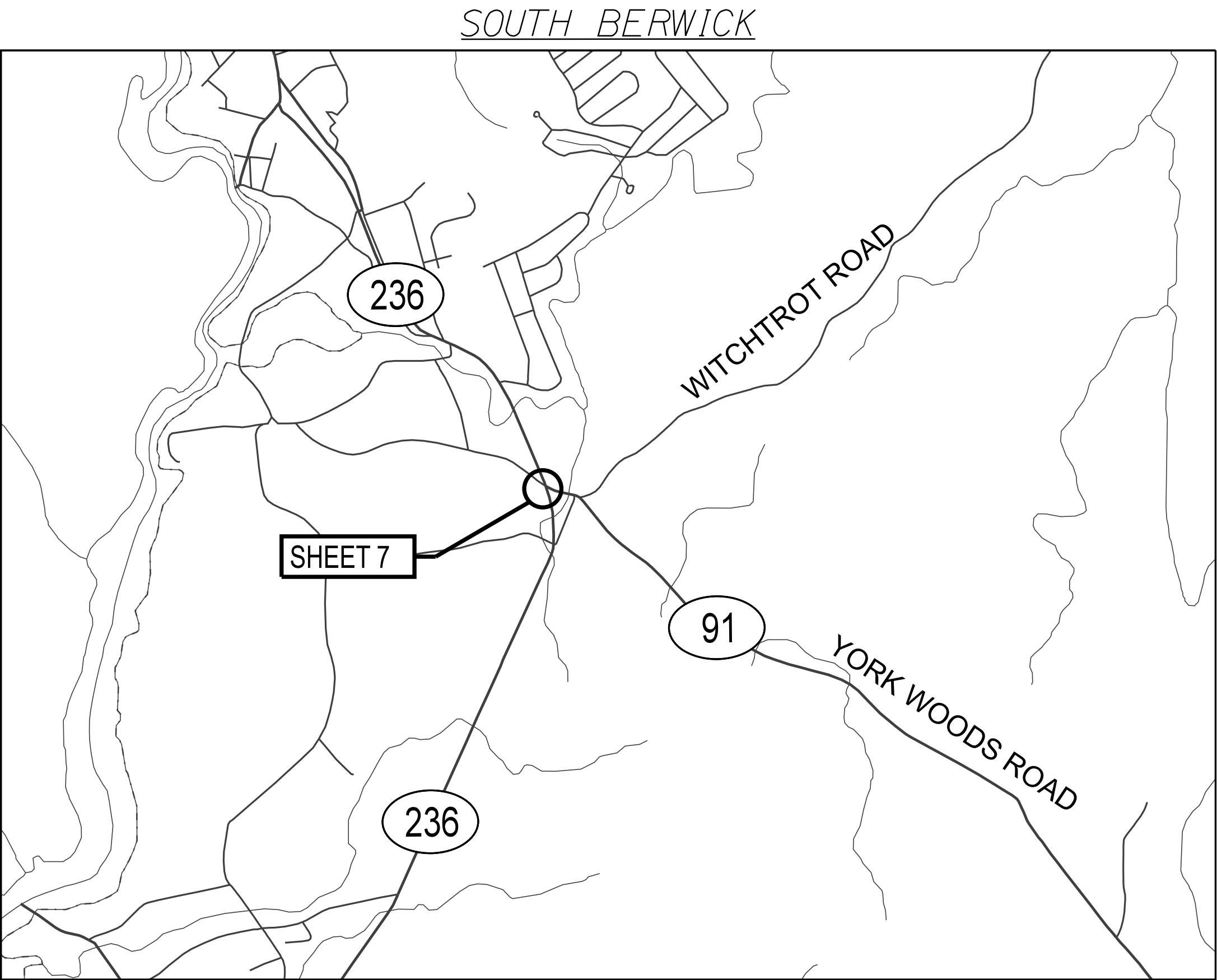


PROJ. MANAGER	D. LORING	BY	DATE
DESIGN-DETAILED	DJS	DJS	5/2026
CHECKED-REVIEWED	DJS	MDS	5/2026
DESIGN-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

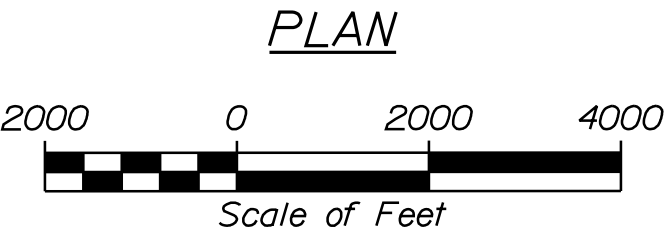
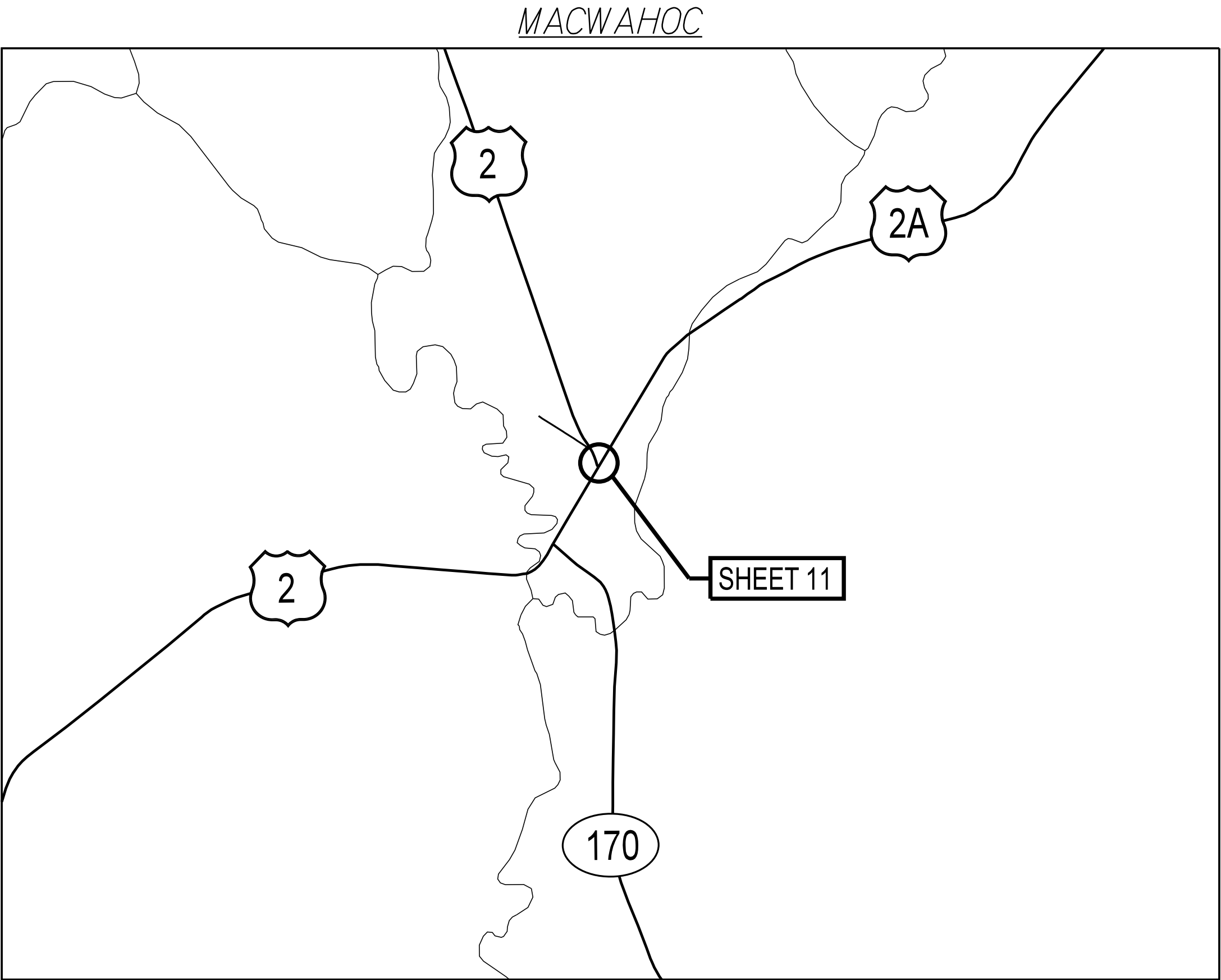
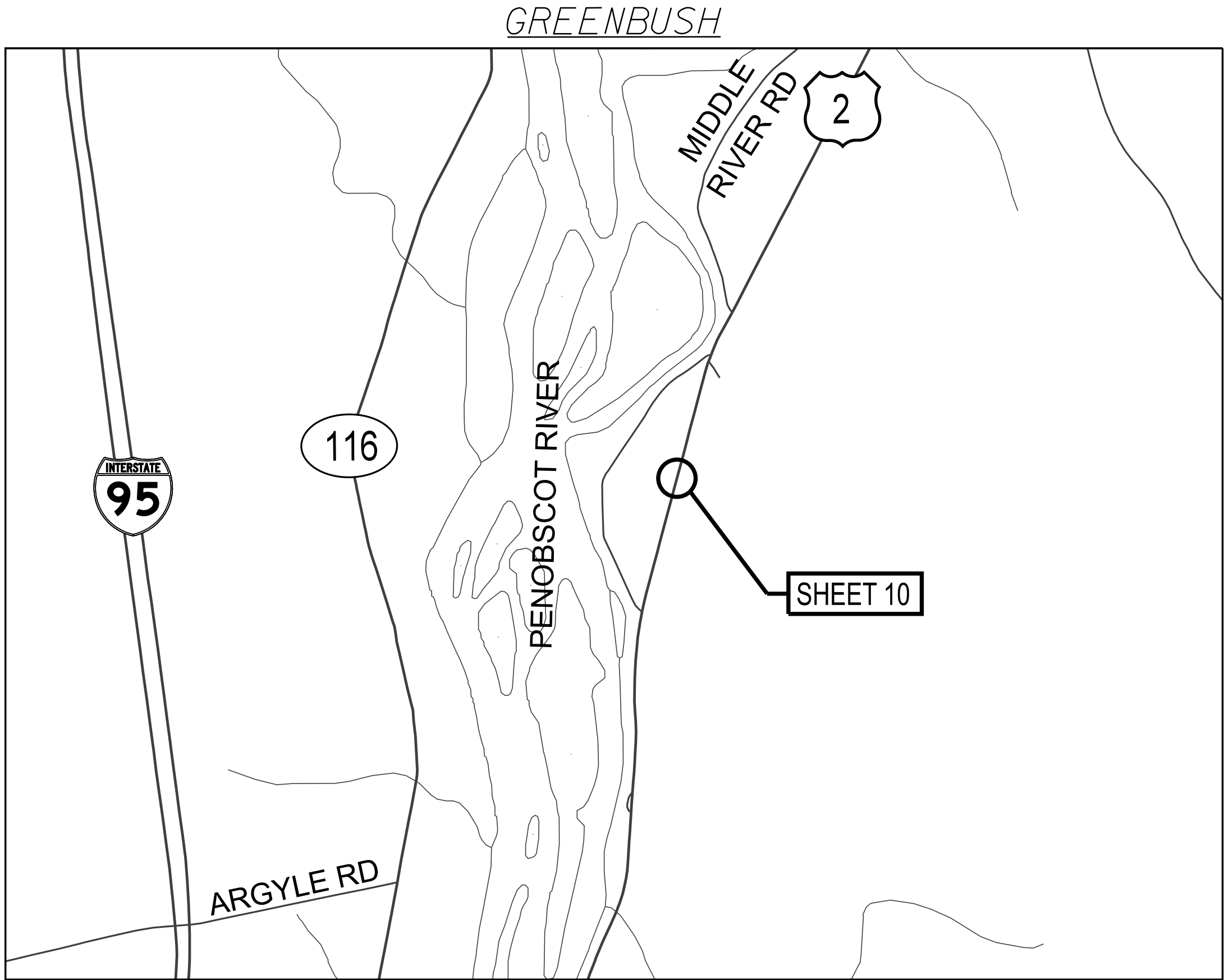


PROJ. MANAGER	D.LORING	BY	DATE
DESIGN-DETAILED	DJS	DJS	5/2026
CHECKED-REVIEWED	DJS	MDS	5/2026
DESIGN-DETAILED2			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

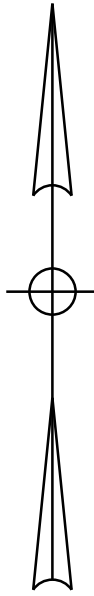




STATEWIDE RWIS INSTALLATIONS LOCATION MAPS (2 OF 3)	STATE OF MAINE DEPARTMENT OF TRANSPORTATION			PROJECT NO. 2845400		WIN 028454.00 ITS PLANS									
	PROJ. MANAGER			D.LORING			BY		DATE						
	DESIGN-DETAILED CHECKED-REVIEWED DESIGNS-DETAILED			DJS DJS DJS			DJS MJS MJS		5/2026 5/2026 5/2026						
SHEET NUMBER		4		OF 11		REVISIONS 1		REVISIONS 2		REVISIONS 3		REVISIONS 4		FIELD CHANGES	



PLAN



STATEWIDE
RWIS INSTALLATIONS
LOCATION MAPS
(3 OF 3)

SHEET NUMBER

5

OF 11

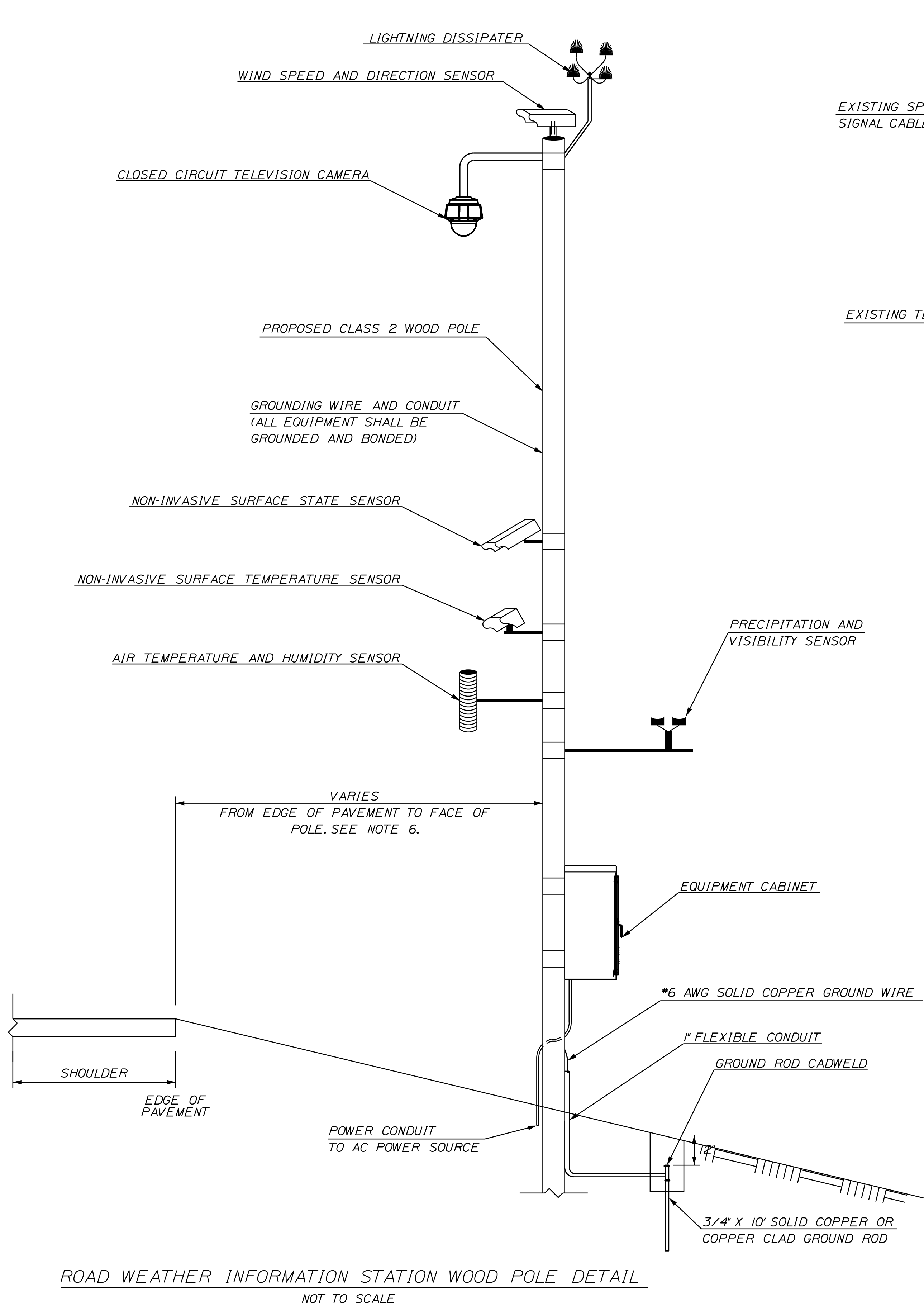


STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

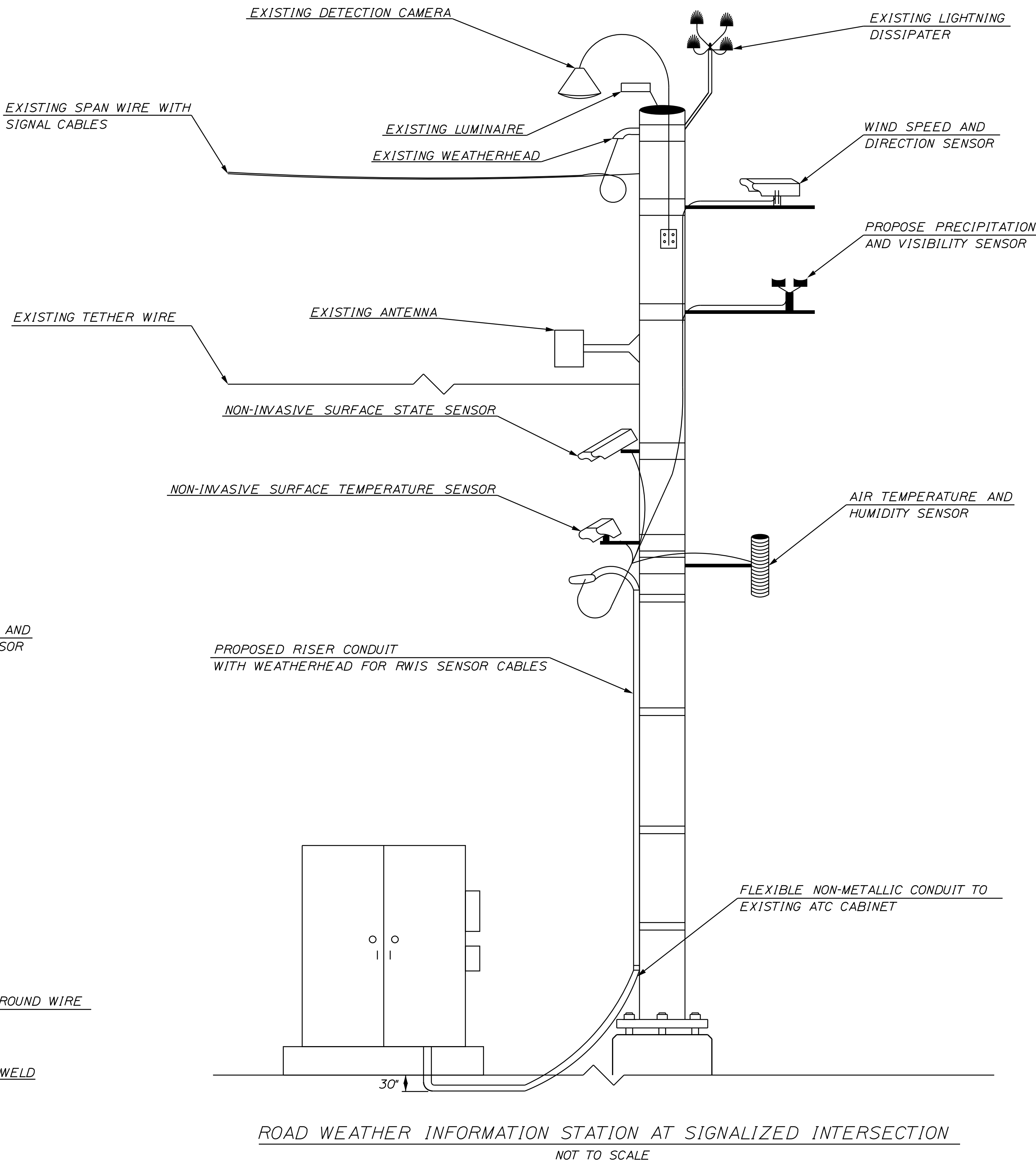
PROJECT NO. 2845400

WIN 028454.00 ITS PLANS

PROJ. MANAGER	D. LORING	BY	DATE
DESIGN-DETAILED	DJS	DJS	5/2026
CHECKED-REVIEWED	DJS	MJS	5/2026
DESIGN-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			



ROAD WEATHER INFORMATION STATION WOOD POLE DETAIL
NOT TO SCALE



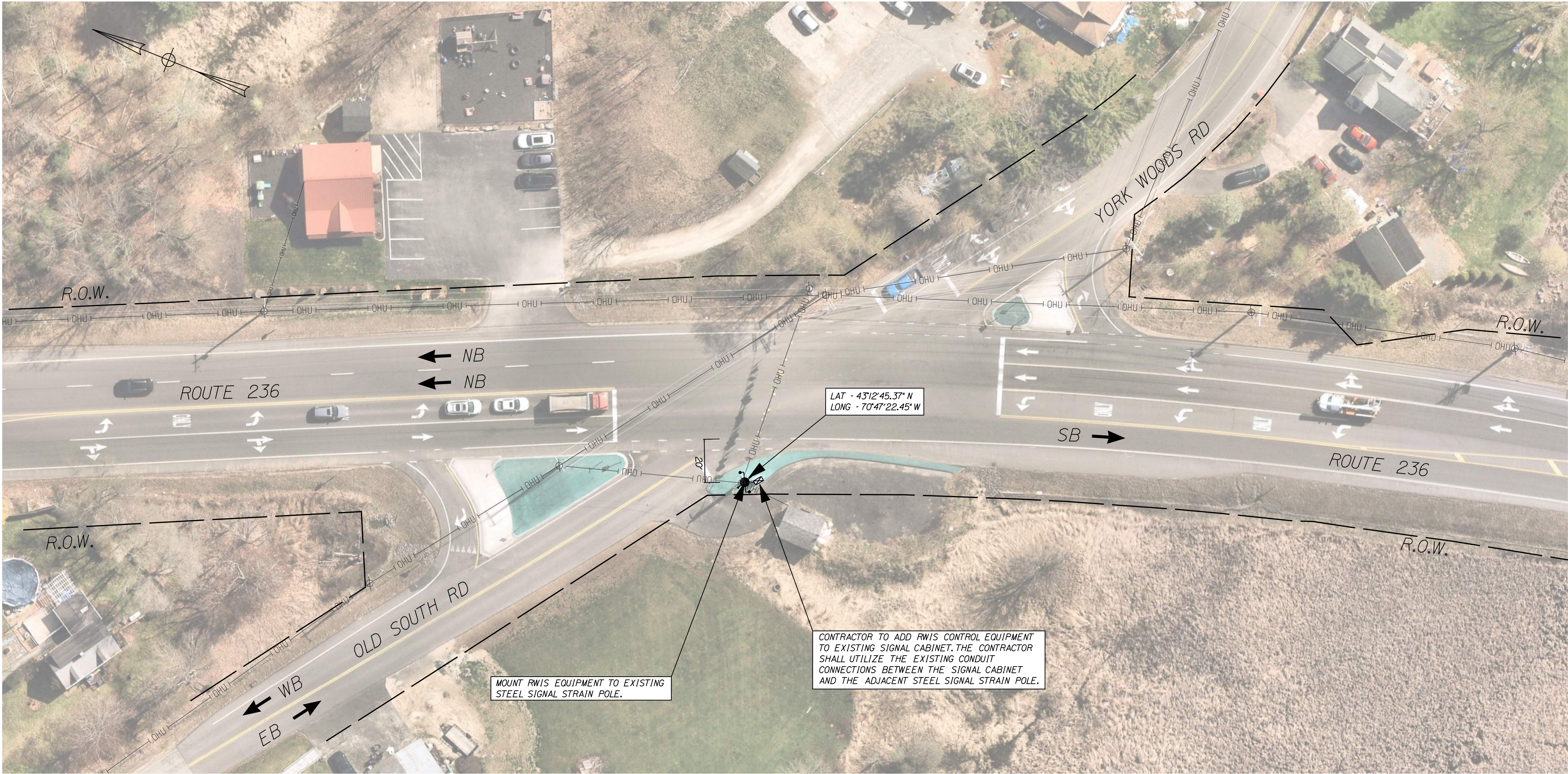
NOTES:

1. HEIGHT OF EQUIPMENT PER MANUFACTURER'S STANDARDS AND RECOMMENDATION.
2. BAROMETER LOCATED IN EQUIPMENT CABINET.
3. NON-INVASIVE SURFACE STATE SENSOR AND NON-INVASIVE SURFACE TEMPERATURE SENSOR MAY BE ONE UNIT OR TWO SEPARATE UNITS.
4. PRECIPITATION SENSOR AND VISIBILITY SENSOR MAY BE ONE UNIT OR TWO SEPARATE UNITS.
5. SUBSURFACE TEMPERATURE PROBES SHALL BE INSTALLED PER THE MANUFACTURER'S RECOMMENDATIONS.
6. SEE INDIVIDUAL RWIS PLAN SHEETS FOR MORE DETAILS ON OFFSET FROM EDGE OF PAVEMENT.



PROJ. MANAGER	D.LORING	BY	DATE
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CHECKED-REVIEWED	DJS	MDS	5/2026
DESIGN-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

STATEWIDE
RWIS INSTALLATIONS
DETAILS

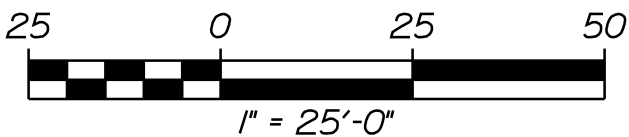


LIST OF MAJOR ITEMS

ITEM NO.	EQUIPMENT AND WORK ITEMS	QUANTITY
654.51	ELECTRICAL SERVICE CONNICTCION; SOUTH BERWICK	1 LS
654.53	ROAD WEATHER INFORMATION SYSTEM; SOUTH BERWICK	1 LS

NOTES

1. THE CONTRACTOR SHALL INSTALL THE SUBSURFACE PROBE PER THE MANUFACTURER'S RECOMMENDATIONS.
2. THE CONTRACTOR SHALL PROVIDE A NON-METALLIC CONDUIT RISER AND WEATHERHEAD ON THE EXISTING SIGNAL EQUIPMENT POLE WITHIN 12 INCHES BELOW THE LOWEST MOUNTED RWIS SENSOR ON THE POLE.
3. THE CONTRACTOR SHALL PROVIDE A CONNECTION BETWEEN THE CONDUIT RISER AND THE EXISTING SIGNAL CABINET TO PROVIDE A RACEWAY FOR RWIS EQUIPMENT CABLES TO ENTER THE SIGNAL CABINET.
4. SEE DETAILS SHEET FOR MORE INFORMATION ABOUT MOUNTING RWIS SENSORS TO THE EXISTING SIGNAL EQUIPMENT.



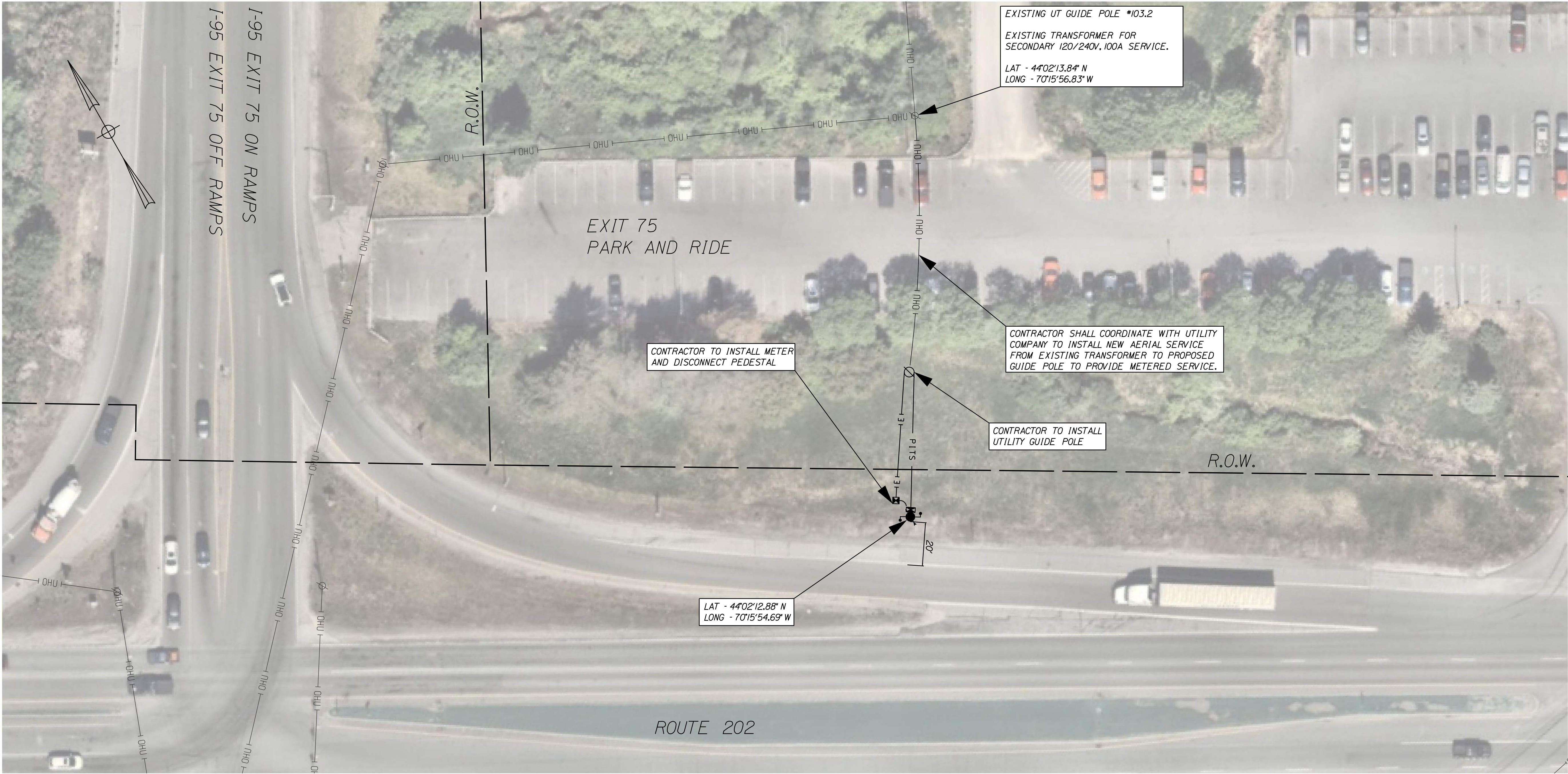
* - RIGHT-OF-WAY INFORMATION FROM FEDERAL PROJECT 2182900 SHEET 8 - APRIL 2022



PROJ. MANAGER	D. LORING	BY	DATE
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DESIGN-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

STATEWIDE
RWIS INSTALLATIONS

RWIS #1 - SOUTH BERWICK
SITE PLAN



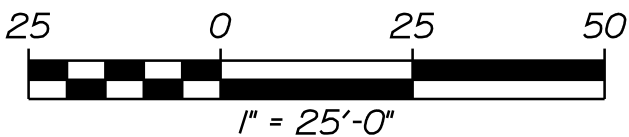
LIST OF MAJOR ITEMS

ITEM NO.	EQUIPMENT AND WORK ITEMS	QUANTITY
626.21	METALLIC CONDUIT (2-INCH)	15 LF
626.21	METALLIC CONDUIT (3-INCH)	15 LF
626.22	NON-METALLIC CONDUIT (2-INCH)	75 LF
626.22	NON-METALLIC CONDUIT (3-INCH)	75 LF
643.972	WOOD POLE	1 EA
654.51	ELECTRICAL SERVICE CONNECTION: AUBURN	1 LS
654.53	ROAD WEATHER INFORMATION SYSTEM: AUBURN	1 LS

NOTES

1. THE CONTRACTOR SHALL INSTALL THE SUBSURFACE PROBE PER THE MANUFACTURER'S RECOMMENDATIONS.
2. THE CONTRACTOR SHALL PROVIDE A METAL CONDUIT RISER ON THE EXISTING UTILITY POLE WITH SERVICE FOR SECONDARY POWER SERVICE CONNECTION THAT EXTENDS A MINIMUM OF 7' ABOVE GRADE.
3. THE CONTRACTOR SHALL PROVIDE A SECOND METAL CONDUIT RISER ON THE EXISTING UTILITY POLE WITH SERVICE FOR FUTURE COMMUNICATION CONNECTION.

*- RIGHT-OF-WAY INFORMATION FROM STATE PROJECT 13072 WIN 18533.0 SHEET 1 - APRIL 2016



STATE OF MAINE

DEPARTMENT OF TRANSPORTATION

PROJECT NO. 2845400

WIN 028454.00

ITS PLANS

PROJ. MANAGER	D. LORING	BY	DATE
DESIGN-DETAILED	DJS	DJS	5/2026
CHECKED-REVIEWED	DJS	MJS	5/2026
DESIGN-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

STATEWIDE

RWIS INSTALLATIONS

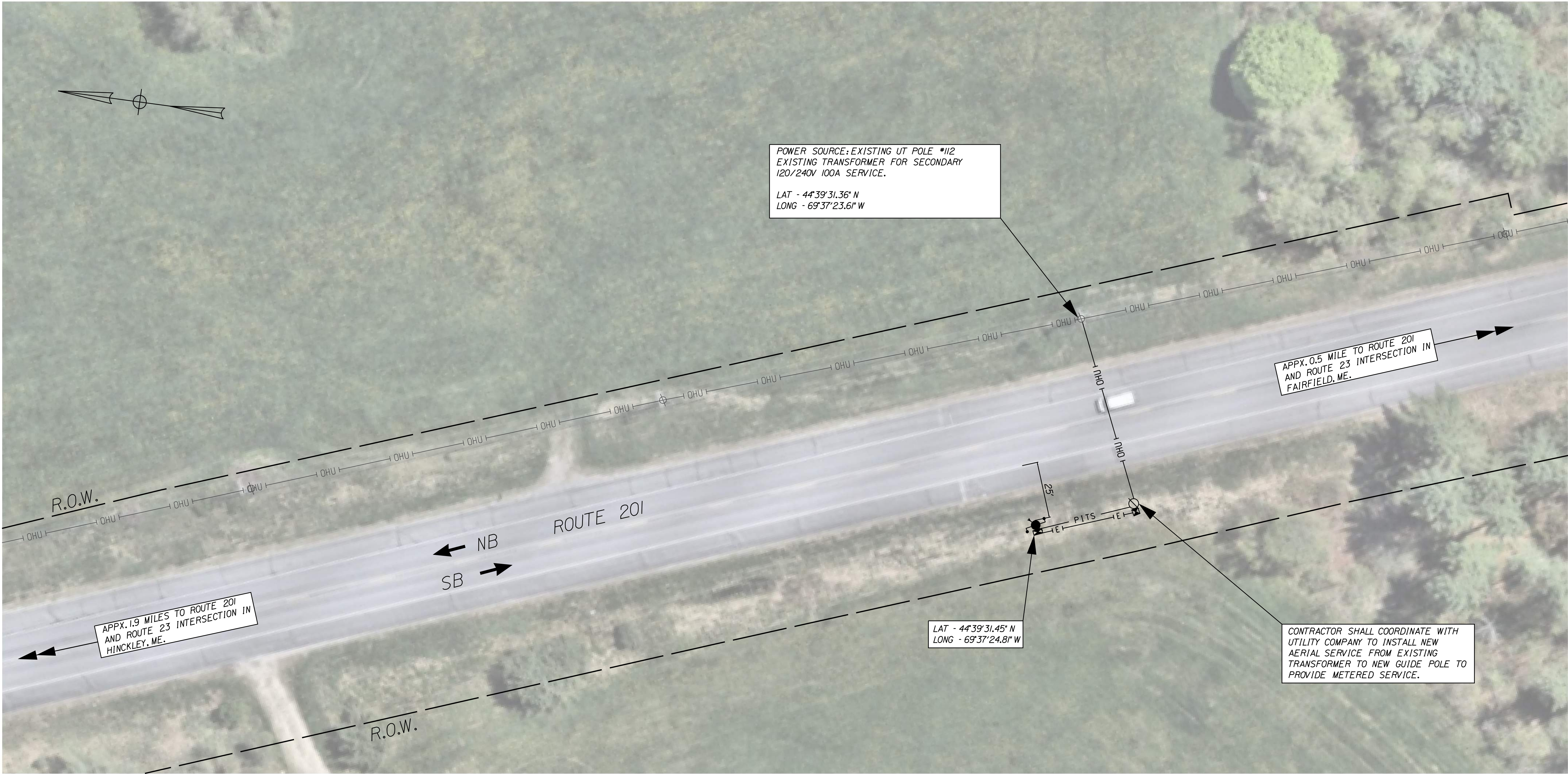
RWIS #2 - AUBURN

SITE PLAN

SHEET NUMBER

08

OF 11



LIST OF MAJOR ITEMS

ITEM NO.	EQUIPMENT AND WORK ITEMS	QUANTITY
626.21	METALLIC CONDUIT (2-INCH)	15 LF
626.21	METALLIC CONDUIT (3-INCH)	15 LF
626.22	NON-METALLIC CONDUIT (2-INCH)	50 LF
626.22	NON-METALLIC CONDUIT (3-INCH)	50 LF
643.972	WOOD POLE	1 EA
654.51	ELECTRICAL SERVICE CONNECTION: FAIRFIELD	1 LS
654.53	ROAD WEATHER INFORMATION SYSTEM: FAIRFIELD	1 LS

NOTES

1. THE CONTRACTOR SHALL INSTALL THE SUBSURFACE PROBE PER THE MANUFACTURER'S RECOMMENDATIONS.
2. THE CONTRACTOR SHALL PROVIDE A METAL CONDUIT RISER ON THE EXISTING UTILITY POLE WITH SERVICE FOR SECONDARY POWER SERVICE CONNECTION THAT EXTENDS A MINIMUM OF 7' ABOVE GRADE.
3. THE CONTRACTOR SHALL PROVIDE A SECOND METAL CONDUIT RISER ON THE EXISTING UTILITY POLE WITH SERVICE FOR FUTURE COMMUNICATION CONNECTION.

* - RIGHT-OF-WAY INFORMATION FROM FEDERAL PROJECT F-033-1 (14) SHEET 10 - MARCH 1970

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PROJECT NO. 2845400

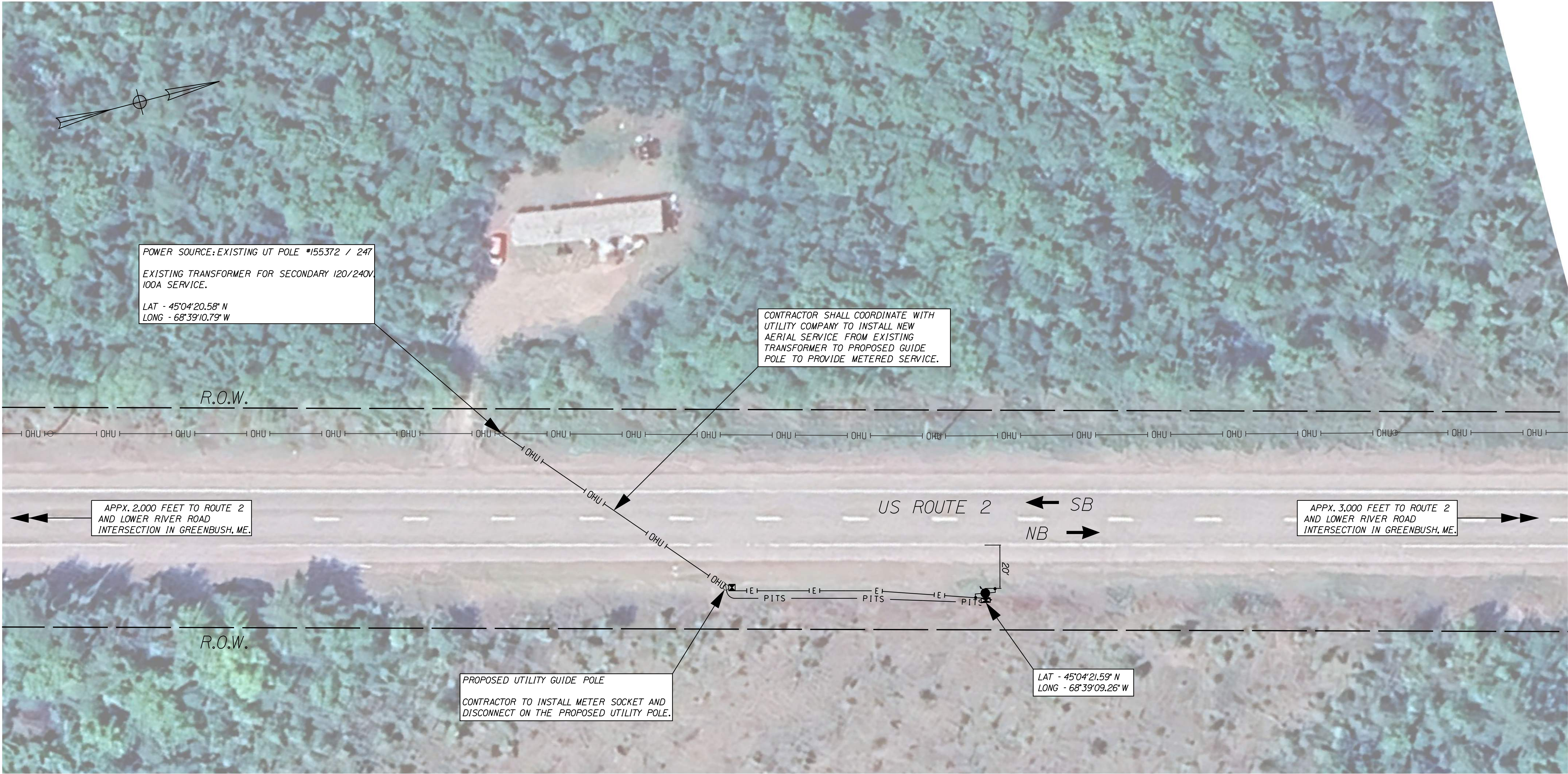
WIN
028454.00

ITS PLANS

PROJ. MANAGER	D.LORING	BY	DATE
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DESIGN-DETAILED			
REVISIONS 1			
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REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

STATEWIDE
RWIS INSTALLATIONS
RWIS #3 - FAIRFIELD
SITE PLAN

SHEET NUMBER
9
OF 11

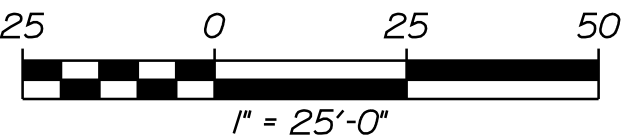


LIST OF MAJOR ITEMS		
ITEM NO.	EQUIPMENT AND WORK ITEMS	QUANTITY
626.21	METALLIC CONDUIT (2-INCH)	15 LF
626.21	METALLIC CONDUIT (3-INCH)	15 LF
626.22	NON-METALLIC CONDUIT (2-INCH)	125 LF
626.22	NON-METALLIC CONDUIT (3-INCH)	125 LF
643.972	WOOD POLE	1 EA
654.51	ELECTRICAL SERVICE CONNECTION: GREENBUSH	1 LS
654.53	ROAD WEATHER INFORMATION SYSTEM: GREENBUSH	1 LS

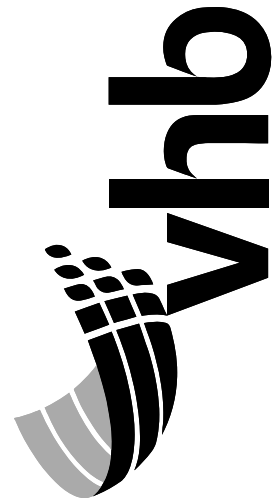
NOTES

1. THE CONTRACTOR SHALL INSTALL THE SUBSURFACE PROBE PER THE MANUFACTURER'S RECOMMENDATIONS.
2. THE CONTRACTOR SHALL PROVIDE A METAL CONDUIT RISER ON THE EXISTING UTILITY POLE WITH SERVICE FOR SECONDARY POWER SERVICE CONNECTION THAT EXTENDS A MINIMUM OF 7' ABOVE GRADE.
3. THE CONTRACTOR SHALL PROVIDE A SECOND METAL CONDUIT RISER ON THE EXISTING UTILITY POLE WITH SERVICE FOR FUTURE COMMUNICATION CONNECTION.

* - RIGHT-OF-WAY INFORMATION FROM FEDERAL PROJECT S.N. 138-D(1) SHEET 7- MAY 1941



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
PROJECT NO. 2845400
WIN
028454.00
ITS PLANS



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DESIGN-DETAILED			
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FIELD CHANGES			

STATEWIDE
RWIS INSTALLATIONS
RWIS #4 - GREENBUSH
SITE PLAN

SHEET NUMBER
10
OF 11



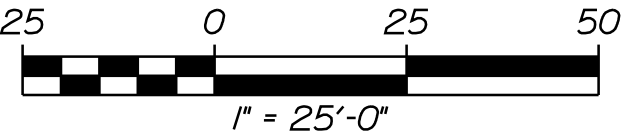
LIST OF MAJOR ITEMS

ITEM NO.	EQUIPMENT AND WORK ITEMS	QUANTITY
626.2I	METALLIC CONDUIT (2-INCH)	15 LF
626.2I	METALLIC CONDUIT (3-INCH)	15 LF
626.22	NON-METALLIC CONDUIT (2-INCH)	20 LF
626.22	NON-METALLIC CONDUIT (3-INCH)	20 LF
643.972	WOOD POLE	1 EA
654.5I	ELECTRICAL SERVICE CONNECTION: MACWAHOC	1 LS
654.53	ROAD WEATHER INFORMATION SYSTEM: MACWAHOC	1 LS

NOTES

1. THE CONTRACTOR SHALL INSTALL THE SUBSURFACE PROBE PER THE MANUFACTURER'S RECOMMENDATIONS.
2. THE CONTRACTOR SHALL PROVIDE A METAL CONDUIT RISER ON THE EXISTING UTILITY POLE WITH SERVICE FOR SECONDARY POWER SERVICE CONNECTION THAT EXTENDS A MINIMUM OF 7' ABOVE GRADE.
3. THE CONTRACTOR SHALL PROVIDE A SECOND METAL CONDUIT RISER ON THE EXISTING UTILITY POLE WITH SERVICE FOR FUTURE COMMUNICATION CONNECTION.

* - RIGHT-OF-WAY INFORMATION FROM FEDERAL PROJECT DF-01-5(3) SHEET 1, 1959. STATE BRIDGE PROJECT 3735 SHEET 1, NOVEMBER 1932. FEDERAL PROJECT S-0319(2), SHEET 7, APRIL 1951.



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DESIGN-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			