

Date:4/28/2025

Username: common

Division: HIGHWAY

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STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION



ROCKLAND  
KNOX COUNTY  
CAMDEN STREET U.S. ROUTE 1  
2834600  
PROJECT LENGTH : 0.00 MILES

PLAN LEGEND

Town, County, State	-----	Catch Basins	▣ Existing	▣ Proposed
Property Lines	- - - - -	Manholes	○ Existing	● Proposed
R/W Lines-Existing	-----	Proposed Underdrain	-----	
R/W Lines-Proposed	-----	Proposed Ditch	-----	
Culvert-Existing	-----	Existing Ditch	-----	
Culvert Proposed	-----	Utility Poles	⌀ Existing	◆ Proposed
Curbing	Existing      Proposed	Fire Hydrants	⊕ Existing	⊕ Proposed
Type 1	-----	Existing Water Line	-----	
Type 3	-----	Existing San. Sewer	-----	
Type 5	-----	Existing San. Sewer Manhole	⊙	
Outline of Bodies of Water	-----	Guardrail-Existing	-----	
Exposed Bedrock	-----	Guardrail-Proposed	-----	
Buildings	-----	Guardrail-Cable, Other	-----	
Trees	☙ Conifer      ☘ Deciduous	Centerline-Existing	-----	
Tree Line	-----	Centerline-Proposed	-----	
Clearing Limit Line	-----	Travelway-Existing	-----	
Railroad	-----	Travelway-Proposed	-----	
Boring	⊕ HB-XXX-###	Probe	⊕ P-#. #X	
Pavement Core	● PC-#		#. # = Depth	
Test Pit	▣ TP-XXX-###		X = W (Weathered Rock)	
			R (Refusal)	
			NR (No Refusal)	

TO DOWNTOWN  
ROCKLAND ←

LEV COFFIN DR.

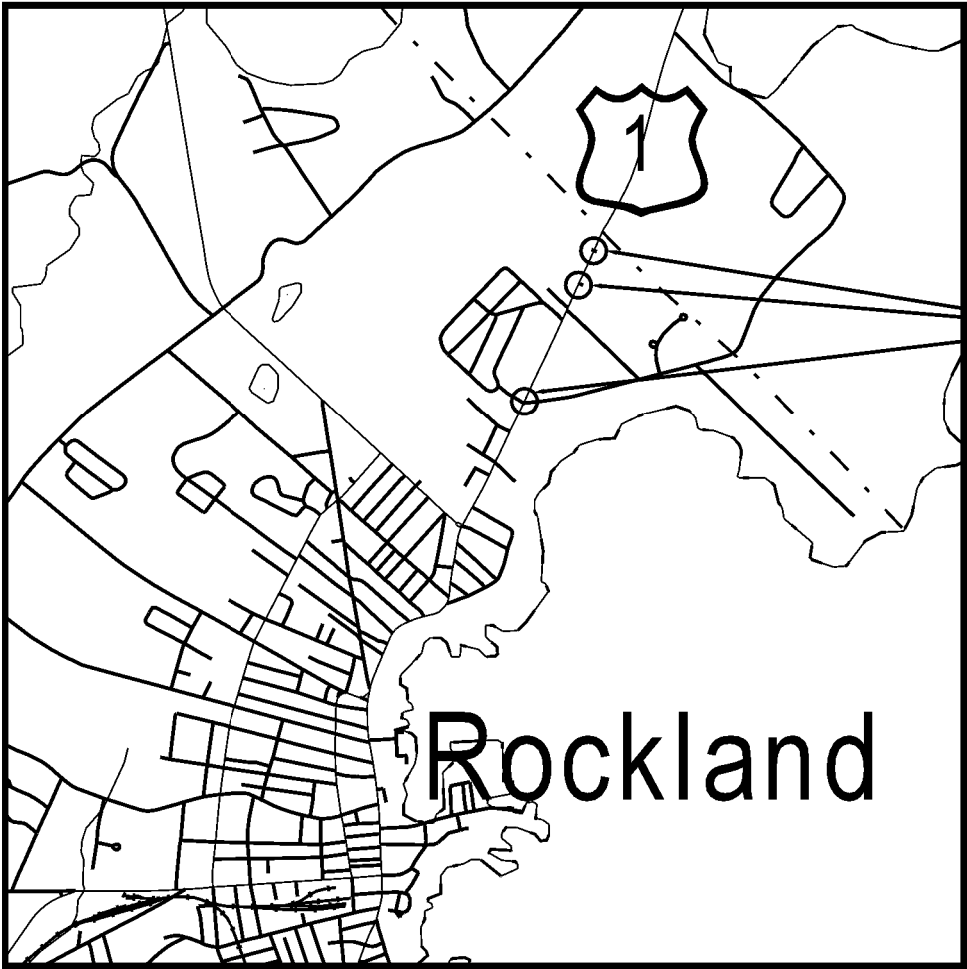
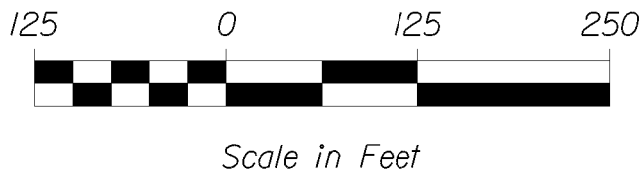
SHEET 5

SHEET 6

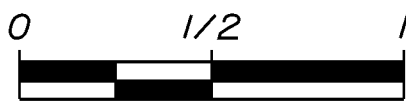
SHEET 7

TO ROCKPORT/CAMDEN →

LAYOUT SCALE



SIGNAL LOCATIONS



LOCATION MAP

PROJECT LOCATION:

ROCKLAND INTERSECTIONS AT RTE 1/MAVERICK ST., RTE 1/WALDO AVE./LEV COFFIN DR.,  
RTE 1/HARBOR PLAZA, AND RTE 1/HOME DEPOT/OCEAN STATE JOB LOT

PROGRAM AREA:

HIGHWAY PROGRAM

SCOPE OF WORK:

TRAFFIC SIGNALS

STATE OF MAINE

DEPARTMENT OF TRANSPORTATION

APPROVED

DATE

COMMISSIONER:

CHIEF ENGINEER:

PROJECT INFORMATION

PROGRAM	HIGHWAY
PROJECT MANAGER	DOUGLAS COOMBS
DESIGNER	A. GODFREY
CONSULTANT	TERRA MAGNA SERVICES, INC.
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	

ROCKLAND  
U.S. ROUTE 1

SIGNAL LOCATION SHEET

SHEET NUMBER

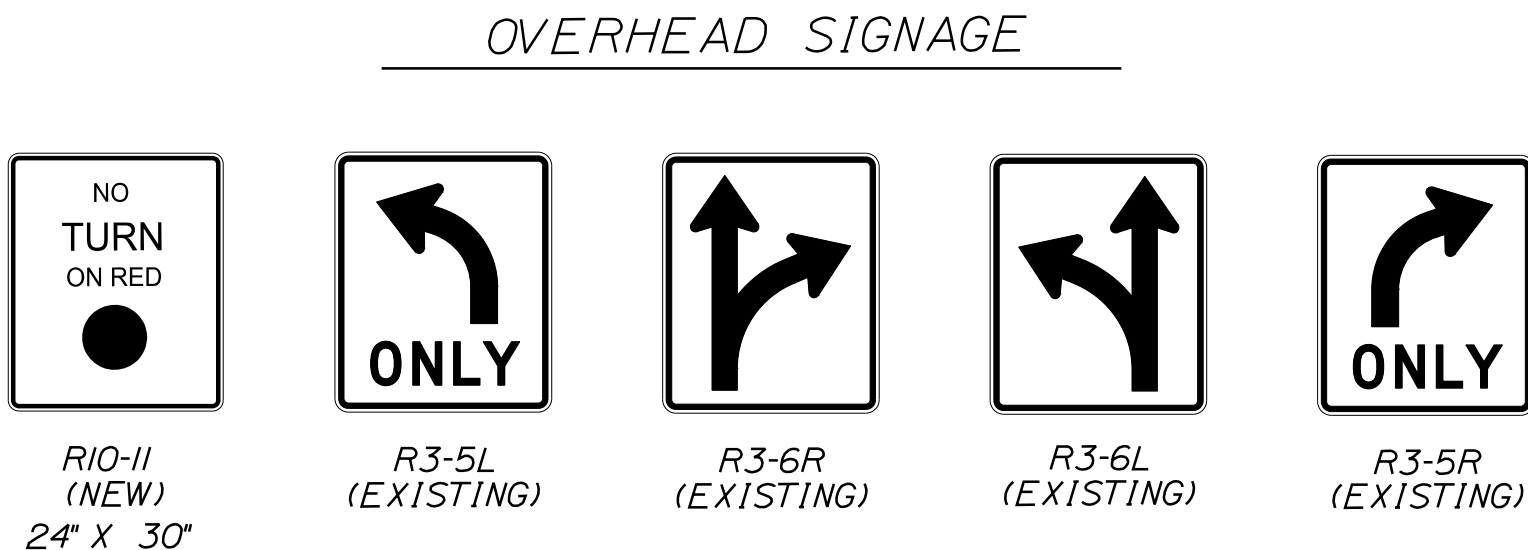
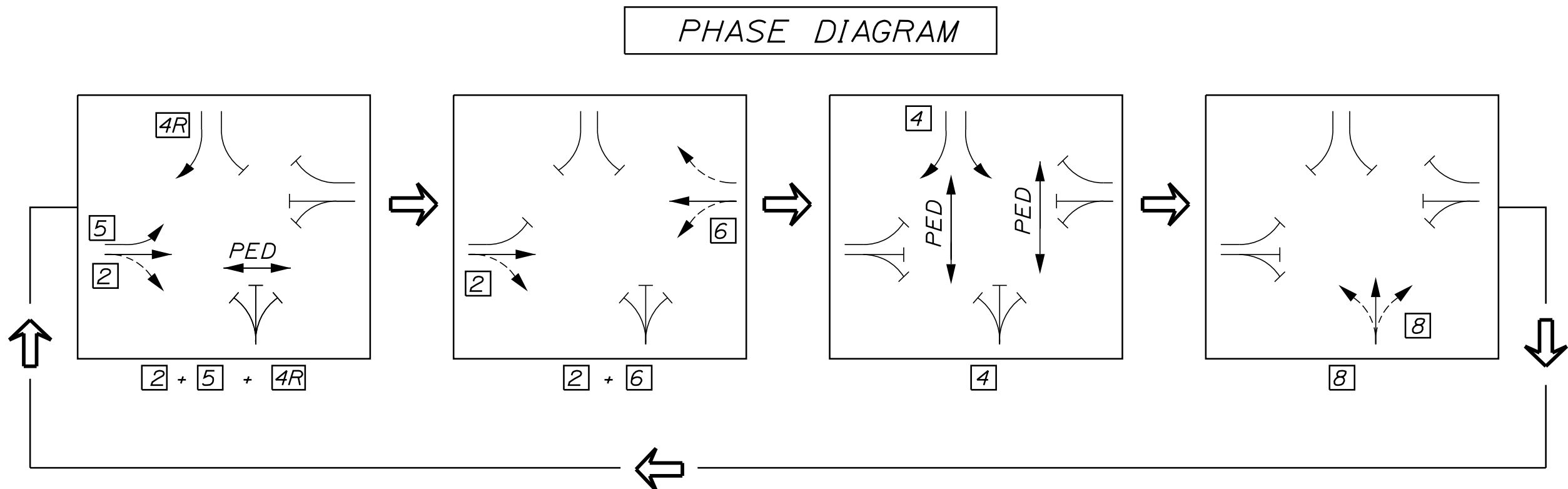
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OF 7

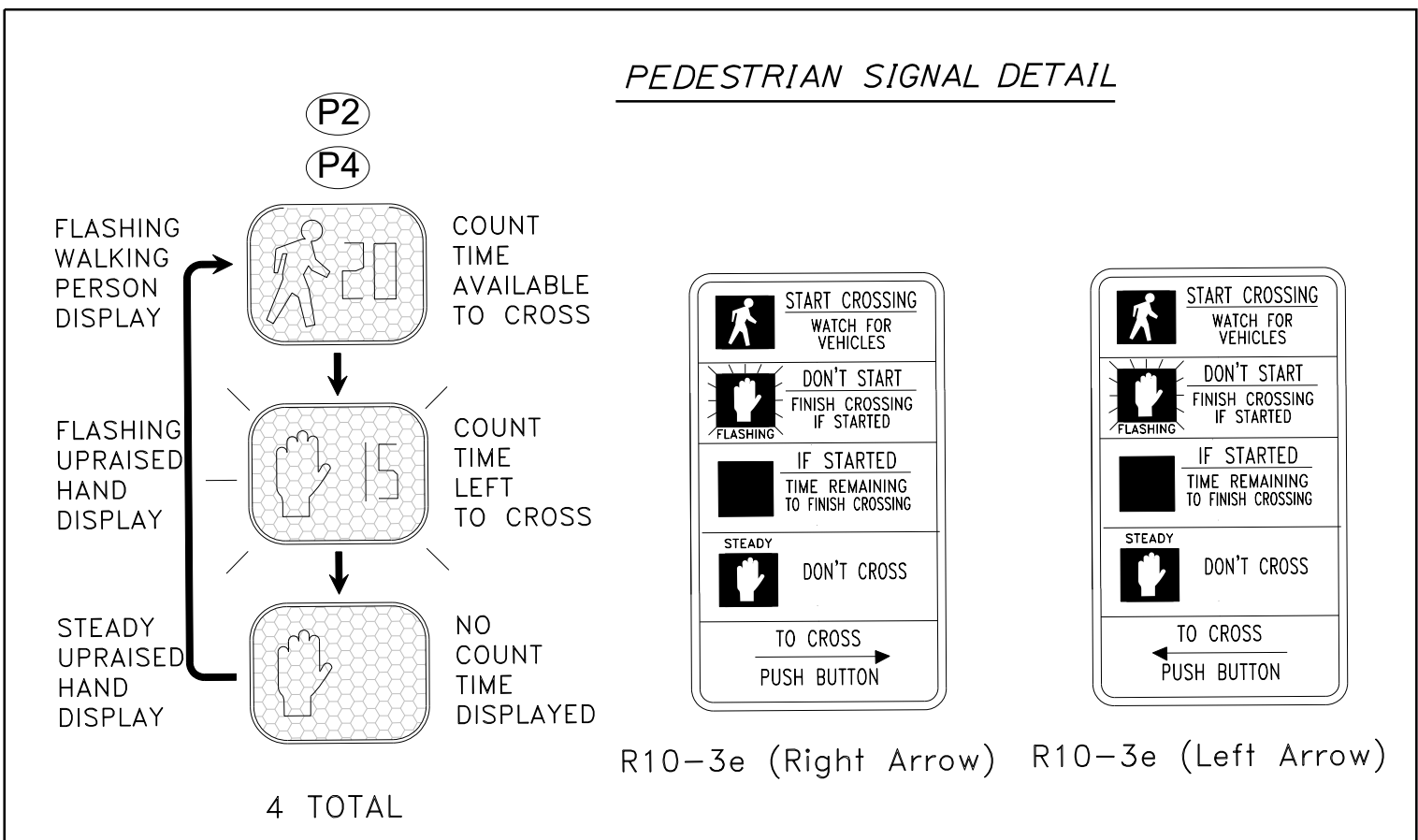
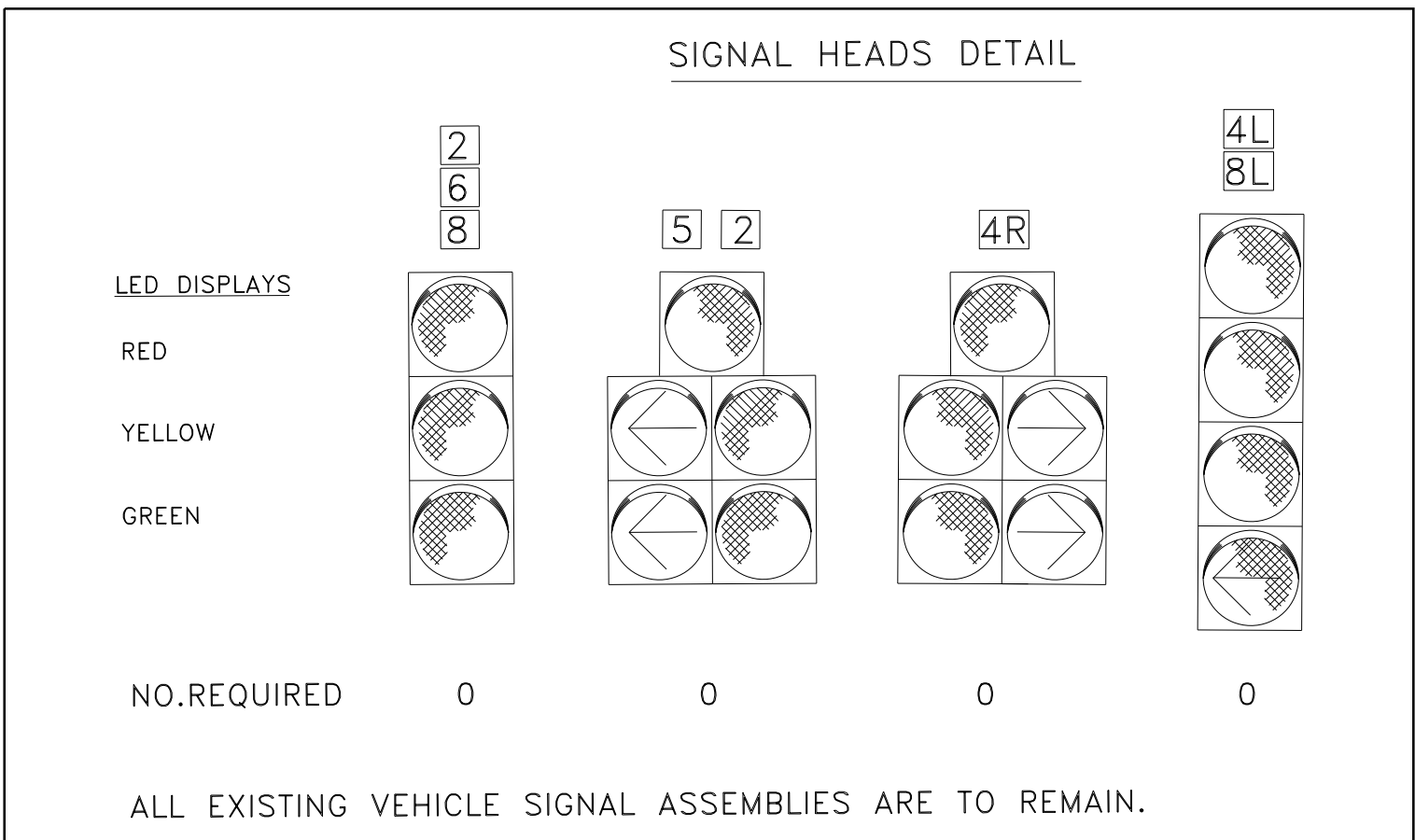
TRAFFIC SIGNAL NOTES

1. TRAFFIC SIGNAL WORK FOR THE INTERSECTION OF CAMDEN STREET (U.S.ROUTE 1)AND MAVERICK STREET WILL INCLUDE,BUT NOT BE LIMITED TO,INSTALLATION OF A NEW WOOD SIGNAL POLE; RELOCATION OF THE EXISTING TRAFFIC SIGNAL CABINET TO THE NEW WOOD POLE; INSTALLATION OF NEW SPANWIRES,TETHERS AND CONDUCTORS;RELOCATION OF EXISTING TRAFFIC SIGNAL ASSEMBLIES;INSTALLATION OF NEW PEDESTRIAN SIGNALS AND APS PUSHBUTTONS;INSTALLATION OF 'GRIDSMART' VIDEO DETECTION;AND RELATED INCIDENTAL WORK AND MATERIALS.
2. TRAFFIC SIGNAL WORK FOR THE INTERSECTION OF CAMDEN STREET (U.S.ROUTE 1),WALDO AVENUE AND LEV COFFIN DRIVE WILL INCLUDE,BUT NOT BE LIMITED TO,INSTALLATION OF A NEW WOOD SIGNAL POLE;INSTALLATION OF A NEW TRAFFIC SIGNAL CABINET ON THE NEW POLE;TRANSFER OF THE EXISTING CONTROLLER AND OTHER COMPONENTS FROM THE EXISTING TRAFFIC SIGNAL CABINET TO THE NEW CABINET;RELOCATION OF THE SPANWIRE, TETHER AND POWER FEED TO THE NEW POLE;RELOCATION OF EXISTING TRAFFIC SIGNAL ASSEMBLIES;INSTALLATION OF 'GRIDSMART' VIDEO DETECTION;AND RELATED INCIDENTAL WORK AND MATERIALS.
3. TRAFFIC SIGNAL WORK FOR THE INTERSECTION OF CAMDEN STREET (U.S.ROUTE 1)AND HARBOR PLAZA WILL INCLUDE,BUT NOT BE LIMITED TO,INSTALLATION OF A NEW WOOD SIGNAL POLE; INSTALLATION OF CONDUIT AND CONDUCTORS FROM THE NEW POLE TO THE EXISTING TRAFFIC SIGNAL CONTROL CABINET;INSTALLATION OF 'GRIDSMART' VIDEO DETECTION;AND RELATED INCIDENTAL WORK AND MATERIALS.
4. TRAFFIC SIGNAL WORK FOR THE INTERSECTION OF CAMDEN STREET (U.S.ROUTE 1),HOME DEPOT AND OCEAN STATE JOB LOT WILL INCLUDE,BUT NOT BE LIMITED TO,INSTALLATION OF A NEW WOOD SIGNAL POLE;INSTALLATION OF NEW SPANWIRES,TETHERS AND CONDUCTORS TO THE NEW POLE;RELOCATION OF EXISTING TRAFFIC SIGNAL ASSEMBLIES;INSTALLATION OF 'GRIDSMART' VIDEO DETECTION;AND RELATED INCIDENTAL WORK AND MATERIALS.
5. ALL WORK SHALL BE COMPLETED IN CONFORMANCE WITH THE LATEST REVISIONS OF THE STATE OF MAINE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES,THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES,THE NATIONAL ELECTRICAL CODE,AND ANY REQUIREMENTS OF THE POWER COMPANY.
6. THE CONTROL CABINETS AND THE POWER DISCONNECT ENCLOSURES EACH SHALL BE MARKED WITH ARC HAZARD TYPE 2,3 OR 4 AND THE APPROPRIATE PPE REQUIRED. SEE SECTION 643.09 FOR OTHER REQUIREMENTS.
7. PEDESTRIAN SIGNALS SHALL BE POLYCARBONATE,EITHER 16 INCH SINGLE DISPLAY HOUSINGS OR DOUBLE 12 INCH DISPLAY HOUSINGS.
8. PEDESTRIAN PUSHBUTTONS SHALL BE INSTALLED AT 3.5 FEET ABOVE ADJACENT ACCESSIBLE SURFACE GRADE.
9. MAXIMUM ALLOWABLE REACH DISTANCE FOR PEDESTRIAN PUSHBUTTONS IS 10 INCHES.INSTALL EXTENSION BRACKETS IF REQUIRED.PAYMENT FOR EXTENSION BRACKETS WILL BE INCIDENTAL TO ITEM 643.71.
10. LOCATIONS OF ANY EXISTING UNDERGROUND UTILITIES SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE PRESENCE OF UNDERGROUND UTILITY FACILITIES PRIOR TO COMMENCING ANY EXCAVATION WORK OR INSTALLATION OF POLES,FOUNDATIONS,JUNCTION BOXES, CONDUIT OR GROUND-MOUNTED SIGNAGE AND SHALL NOTIFY UTILITIES OF PROPOSED WORK IN ACCORDANCE WITH MRSA TITLE 23 SECTION 3360-A, MAINE "DIG SAFE" SYSTEM. CONTRACTOR SHALL CONTACT DIG SAFE AT LEAST THREE WORKING DAYS PRIOR TO THE BEGINNING OF EXCAVATION. ALL UTILITIES SHALL BE LOCATED BEFORE BEGINNING EXCAVATION.
11. THE CONTRACTOR SHALL NOTIFY UTILITY COMPANIES AT LEAST 48 HOURS BEFORE ANY OPERATIONS ARE CONDUCTED THAT POTENTIALY COULD CONFLICT WITH AERIAL UTILITIES.
12. NEW CONDUIT NOT UNDER PAVEMENT OR SIDEWALK SHALL BE 3 INCH MINIMUM,PVC SCHEDULE 40. NEW CONDUIT UNDER PAVEMENT SHALL BE 3 INCH MINIMUM SCHEDULE 80 PVC OR RIGID METAL CONDUIT. CONDUIT UNDER ROADWAY PAVEMENT SHALL BE EITHER DIRECTIONALLY DRILLED OR JACKED. MINIMUM BURIAL DEPTH FOR CONDUIT SHALL BE 36 INCHES. TOP 3 INCHES OF CONDUIT SHALL BE SEALED TO PREVENT ENTRY BY RODENTS.

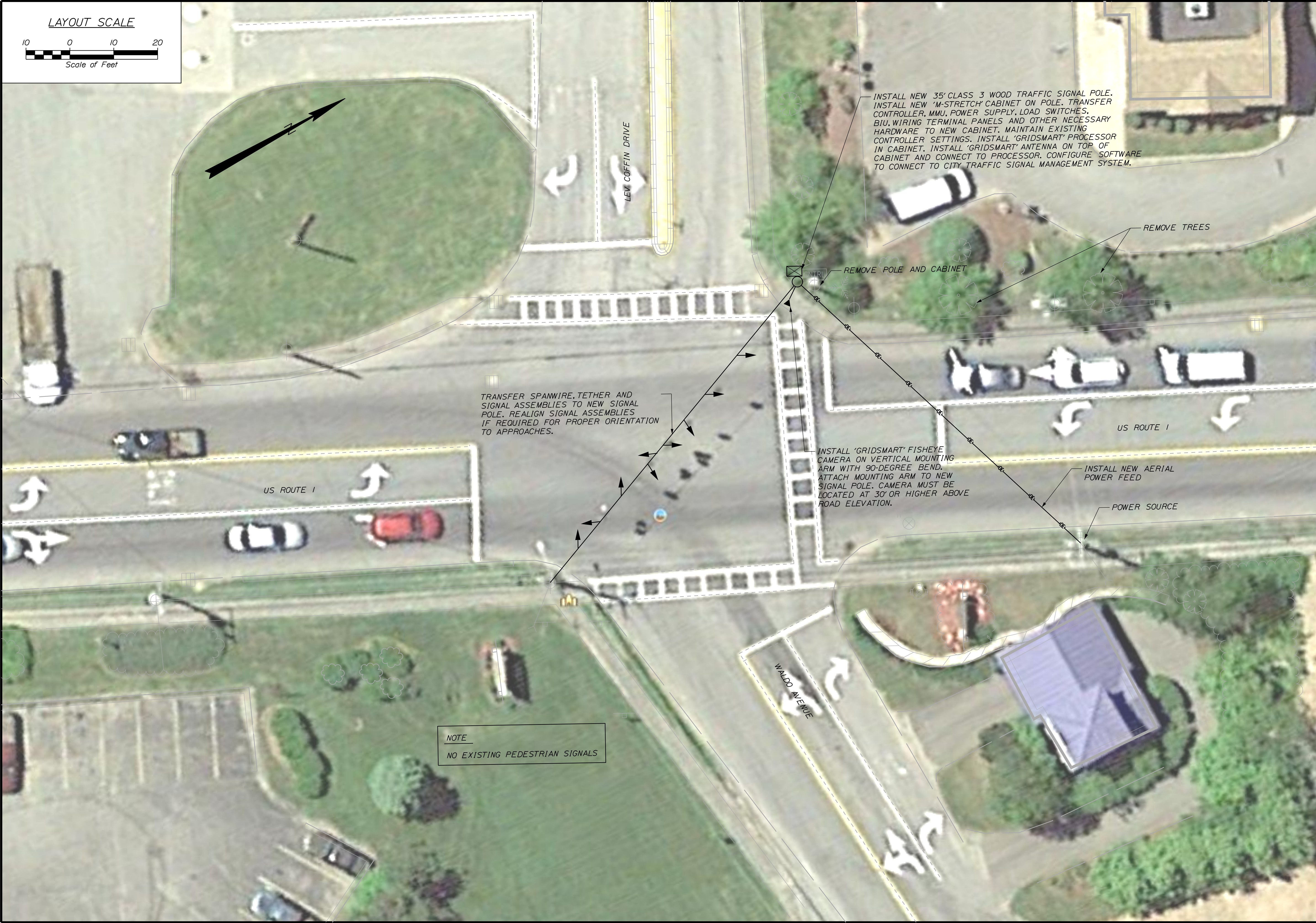
- 13.THERE SHALL BE NO SPLICES OR JUNCTION BOXES EXCEPT AS NOTED ON THE PROJECT PLANS OR APPROVED BY THE RESIDENT.
14. JUNCTION BOX COVERS SHALL BE LABELED "TRAFFIC". METAL JUNCTION BOX COVERS SHALL BE GROUNDED.
15. SPECIFIED TRAFFIC AND PEDESTRIAN SIGNAL POLE LOCATIONS ARE MEASURED TO THE CENTER OF THE POLES AND/OR FOUNDATIONS.
16. ALL FIELD WIRING SHALL BE NEATLY BUNDLED AND CLEARLY IDENTIFIED WITH PERMANENT,LEGIBLE, WEATHERPROOF TAGS SECURELY ATTACHED TO EACH CABLE.
17. AT THE TIME OF FINAL PROJECT INSPECTION,THE CONTRACTOR SHALL FURNISH TO THE RESIDENT THREE COMPLETE SETS OF AS-BUILT TRAFFIC SIGNAL PLANS. ONE ADDITIONAL SET SHALL REMAIN IN EACH CABINET.
18. THE MAINTENANCE OF TRAFFIC SIGNALS SHALL REMAIN THE RESPONSIBILITY OF THE CONTRACTOR UNTIL FINAL ACCEPTANCE BY MAINEDOT.
19. PAYMENT UNDER ITEM 643.71 SHALL INCLUDE,BUT NOT BE LIMITED TO,NEW POWER SERVICE AND METER (IF REQUIRED),NEW METER DISCONNECT AND ENCLOSURE,NEW WOOD POLES,NEW PEDESTRIAN SIGNALS AND APS PUSHBUTTONS,RELOCATION OF TRAFFIC SIGNAL CABINET AND COMPONENTS (IF REQUIRED),NEW CABINET (IF REQUIRED),RELOCATION OF SIGNAL ASSEMBLIES,WIRING,CABLE, POLE RISERS,SPANWIRES,TETHERS,AND ALL APPURTENANCES AND INCIDENTALS NECESSARY FOR A COMPLETELY FUNCTIONING TRAFFIC SIGNAL INSTALLATION,OTHER THAN RELATED LABOR,MATERIALS AND EQUIPMENT INCLUDED IN OTHER PAY ITEMS OF THE CONTRACT.INSTALLATION OF NEW 'GRIDSMART' VIDEO DETECTION WILL BE PAID UNDER ITEM 643.83.
- 20.NO TOPOGRAPHICAL SURVEY WAS PERFORMED FOR THIS TRAFFIC SIGNAL WORK.TRAFFIC SIGNAL PLANS WERE DEVELOPED FROM AERIAL PHOTOGRAPHY,PLANS OF PREVIOUS PROJECTS IN THE VICINITY,BOUNDARY SURVEY OF THE BURGER KING PROPERTY,PRELIMINARY DESIGN BY OTHERS FOR SIDEWALK IMPROVEMENTS ON THE FRONTAGE OF THE BURGER KING PROPERTY,AND GENERAL FIELD REVIEW.LOCATIONS OF PROPOSED WOOD SIGNAL POLES AND PEDESTRIAN SIGNAL PEDESTAL POLES SHOWN ON THE PLANS ARE APPROXIMATE. ACTUAL LOCATIONS IN THE FIELD SHALL BE ESTABLISHED BY THE CONTRACTOR SUBJECT TO APPROVAL OF THE MAINEDOT RESIDENT.



SIGNAL TIMING								
PHASE	1	2	3	4	5	6	7	8
MIN. INITIAL	-	10	-	6	6	10	-	5
VEH. EXT.	-	4.0	-	3.0	2.5	4.0	-	2.0
MAX. 1	-	40	-	40	10	45	-	7
MAX. 2	-	30	-	60	15	90	-	10
YELLOW	-	3.0	-	3.0	3.0	3.0	-	3.0
ALL RED	-	2.0	-	2.5	2.5	3.5	-	2.5
PED. WALK	-	4.0	-	4.0	-	-	-	-
PED. CLEAR	-	4.0	-	12.0	-	-	-	-
FLASH	-	Y	-	R	R	Y	-	R
RECALL	-	SOFT	-	-	-	SOFT	-	-







STATE OF MAINE		DEPARTMENT OF TRANSPORTATION	
NHP-1879(400)		WIN 18794.00	
HIGHWAY PLANS		HIGHWAY PLANS	
ROCKLAND		SIGNAL PLANS	
U.S. ROUTE 1 \ WALDO AVE.		SHEET NUMBER	
5		OF 7	
DATE		BY	
2-19		JLE	
2-19		D. COOMBS	
CHECKED-REVIEWED		A/C	
DESIGN-DETAILED		A/C	
DESIGN-DETAILED		A/C	
REVISIONS 1		A/C	
REVISIONS 2		A/C	
REVISIONS 3		A/C	
REVISIONS 4		A/C	
FIELD CHANGES		A/C	
SIGNATURE		P.E. NUMBER	
4226		2/27/19	
DATE		DATE	
2/27/19		2/27/19	
PROFESSIONAL		PROFESSIONAL	
ALBERT L. ADAMS		ALBERT L. ADAMS	
No. 1223		No. 1223	

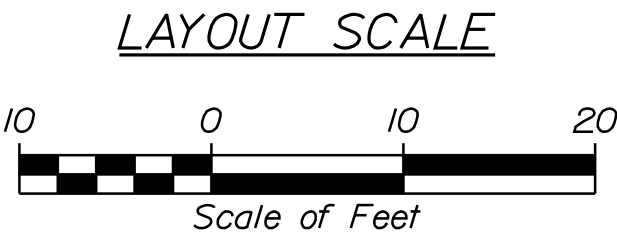
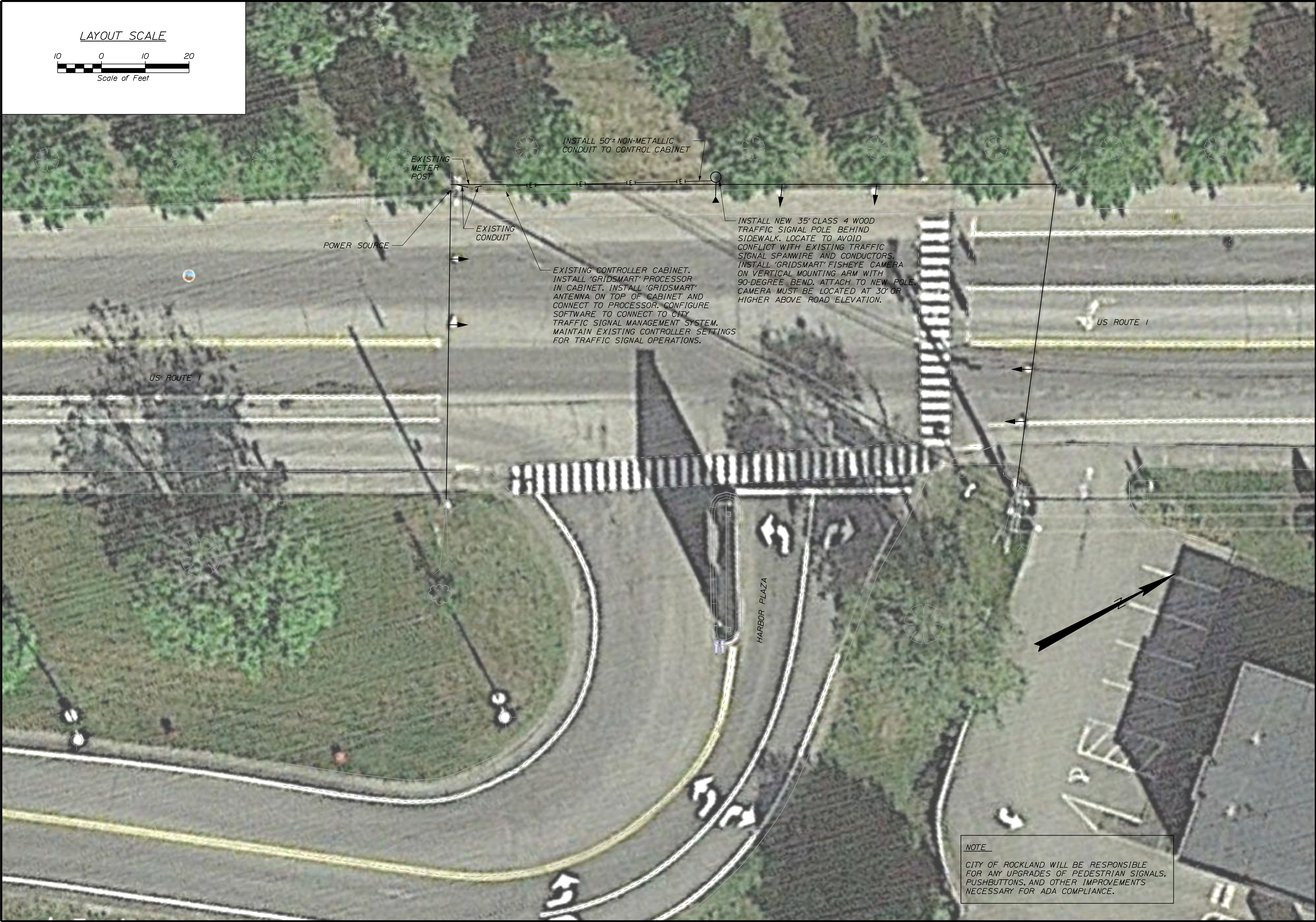


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STATE OF MAINE DEPARTMENT OF TRANSPORTATION		NHP-1879(400)		WIN 18794.00		HIGHWAY PLANS	
ROCKLAND U.S. ROUTE 1 / HARBOR PLAZA		SIGNAL PLANS		SHEET NUMBER 6		OF 7	
DATE 2-19 2-19		BY ALG ALG		SIGNATURE 4226		P.E. NUMBER 2/27/19	
DESIGN-DETAILED CHECKED-REVIEWED DESIGN-DETAILED REVISIONS 1 REVISIONS 2 REVISIONS 3 REVISIONS 4		D. COOMBS J.E. ALG		DATE 2-19 2-19		DATE 2/27/19	
FIELD CHANGES		FIELD CHANGES		FIELD CHANGES		FIELD CHANGES	

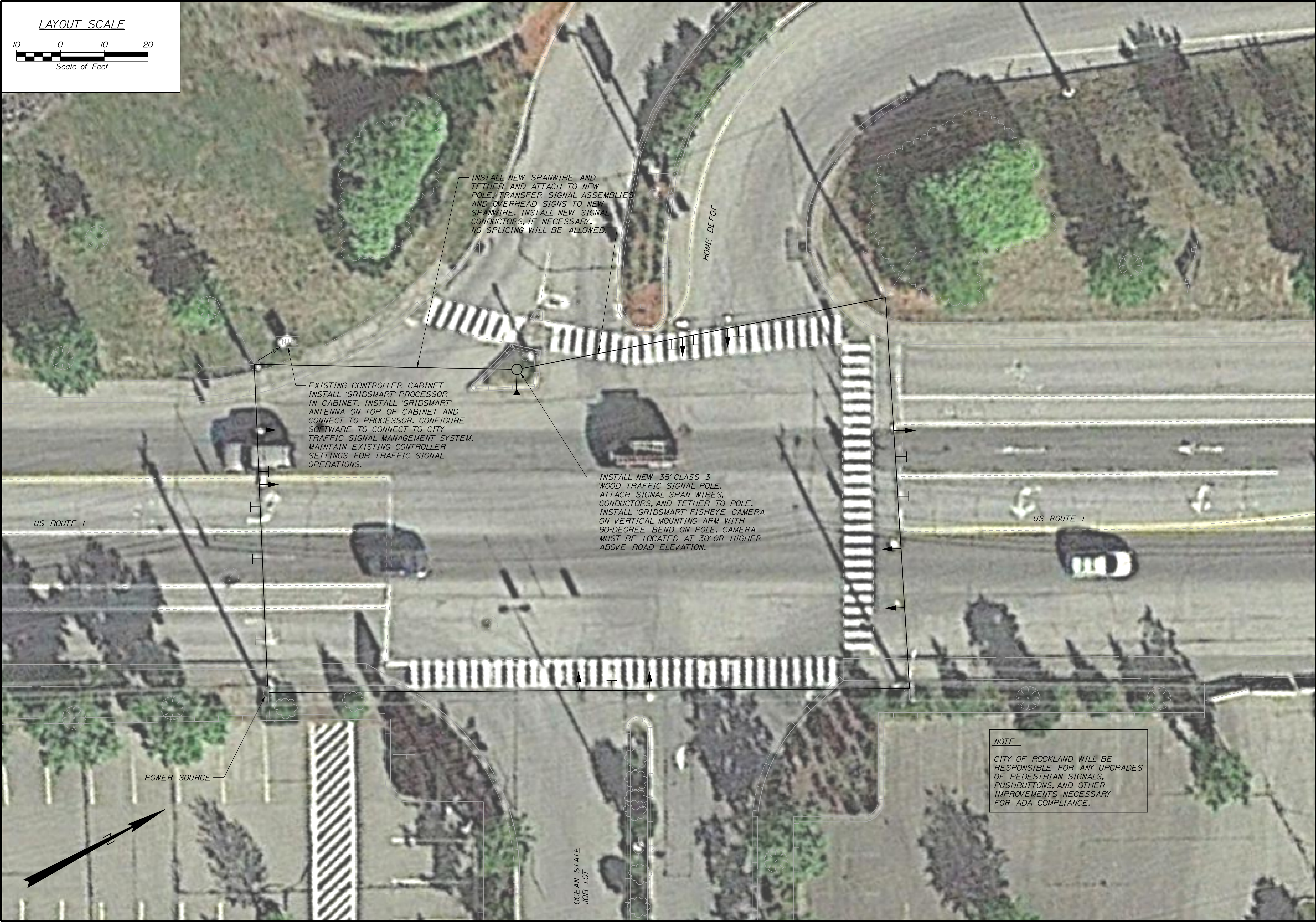


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STATE OF MAINE DEPARTMENT OF TRANSPORTATION	NHP-1879(400)		WIN 18794.00		HIGHWAY PLANS	
SIGNATURE		DATE				
4226		2/27/19				
P.E. NUMBER		DATE				
2/27/19						
REVISIONS 1						
REVISIONS 2						
REVISIONS 3						
REVISIONS 4						
FIELD CHANGES						

ROCKLAND U.S. ROUTE 1 / HOME DEPOT	SIGNAL PLANS
SHEET NUMBER	
2	OF 7