

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION



**PORTLAND / S. PORTLAND
CUMBERLAND**

INTERSECTION OF CONGRESS ST. & PREBLE ST. (PORTLAND)
INTERSECTION OF EVANS ST. & BROADWAY (S. PORTLAND)
INTERSECTION OF MUSSEY ST. & BROADWAY (S. PORTLAND)

WIN 14049.23

PROJECT LENGTH : 0.00 MILES

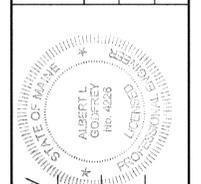
PLAN LEGEND

Town, County, State	Centerline-Existing	
Property Lines	Centerline-Proposed	
R/W Lines-Existing	Travelway-Existing	
R/W Lines-Proposed	Travelway-Proposed	
Culvert-Existing	Railroad	
Culvert Proposed	Catch Basins	Existing Proposed
Curbing Existing	Manholes	Existing Proposed
Curbing Proposed	Proposed Underdrain	
Type 1	Proposed Ditch	
Type 3	Existing Ditch	
Type 5	Utility Poles	Existing Proposed
Outline of Bodies of Water	Fire Hydrants	Existing Proposed
Ledge	Existing Water Line	
Buildings	Existing San. Sewer	
Trees	Existing San. Sewer Manhole	
Tree Line	Guardrail-Existing	
Clearing Limit Line	Guardrail-Proposed	
	Guardrail-Cable, Other	

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General Notes	2
Plan - Congress St./Preble St.	3
Plan - Evans St. / Broadway	4
Plan - Mussey St. / Broadway	5

STATE OF MAINE DEPARTMENT OF TRANSPORTATION	APPROVED	DATE
	<i>[Signature]</i>	3/5/13
	COMMISSIONER:	3/4/13
	CHIEF ENGINEER:	<i>[Signature]</i>



<i>[Signature]</i>	SIGNATURE
4226	P.E. NUMBER
2-27-13	DATE

STATEWIDE MULTIMODAL PLANNING	PROJECT INFORMATION
PENNY VALLANCOURT	PROJECT MANAGER
AL GODFREY	DESIGNER
TERRA MAGNA SERVICES, INC.	CONSULTANT
	PROJECT RESIDENT
	CONTRACTOR
	PROJECT COMPLETION DATE

PORTLAND / S. PORTLAND
NEW FREEDOM GRANT PROJECTS
TITLE SHEET

WIN 14049.23

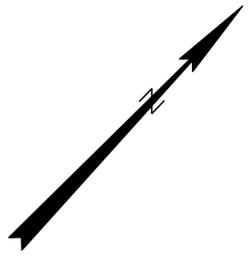
PROJECT LOCATION:	Portland - Intersection of Congress St. and Preble St. South Portland - Intersection of Evans St. and Broadway South Portland - Intersection of Mussey St. and Broadway
PROGRAM AREA:	Statewide Multimodal Planning
SCOPE OF WORK:	Improvement of sidewalks, ramps, crosswalks and associated amenities to provide improved handicapped pedestrian access

SHEET NUMBER
1
OF 5

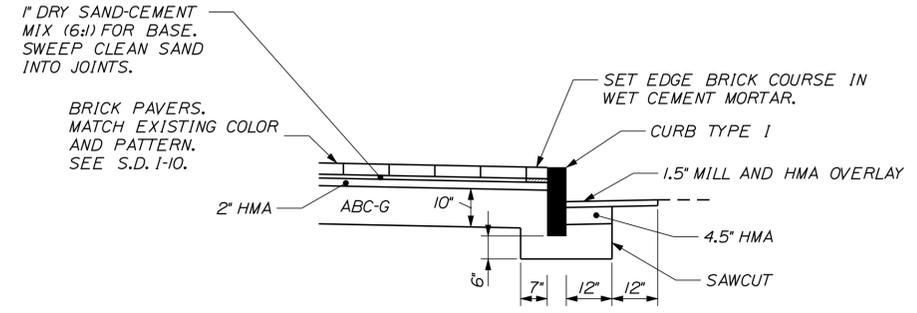
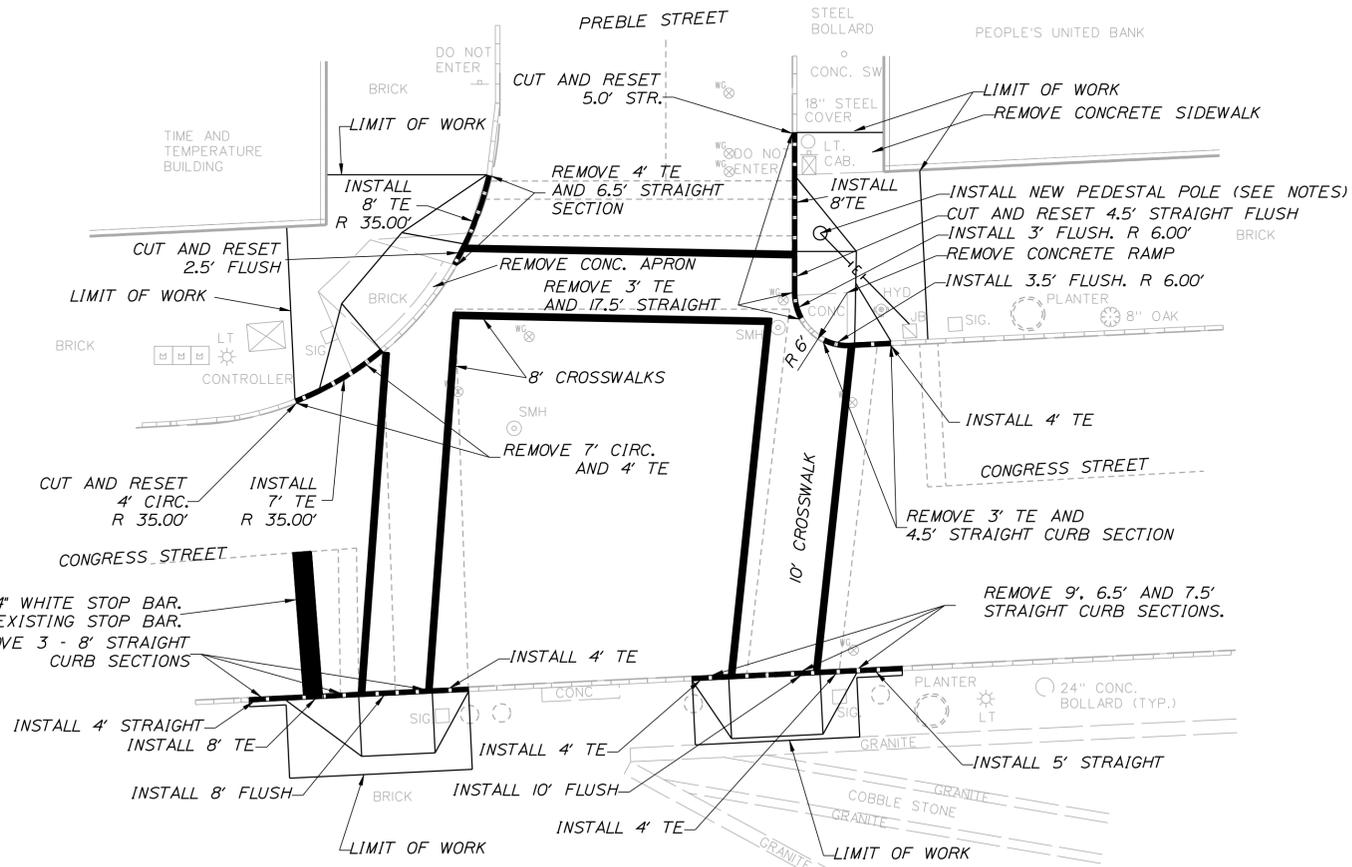
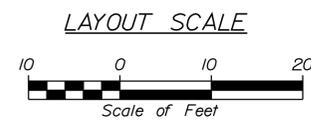
Date: 3/1/2013

Username: jason

Filename: ...003_HDPlan PORTLAND CONGRESS PREBLE.ctb



- LEGEND**
- TE = TERMINAL END
 - STR = STRAIGHT CURB TYPE I
 - CIRC = CIRCULAR CURB TYPE I
 - HMA = 9.5mm HOT MIX ASPHALT
 - ABC-G = AGGREGATE BASE COURSE - GRAVEL, TYPE A



INSTALL 4\"/>

TYPICAL SECTION
NOT TO SCALE

CONSTRUCTION NOTES

INSTALL PEDESTAL POLE ON 18\"/>

ALL CURB TO BE CURB TYPE I. LENGTHS NOTED FOR EXISTING CURB SECTIONS ARE APPROXIMATE. CURB LENGTHS REQUIRED TO MATCH EXISTING SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO ORDERING NEW CURB.

CUTTING OF EXISTING CURB WILL BE INCIDENTAL TO PAYMENT UNDER OTHER CURB PAY ITEMS OF THE CONTRACT.

REMOVE EXISTING CROSSWALK MARKINGS. REPLACE WITH NEW 8\"/>

DETECTABLE WARNING FIELDS (NOT SHOWN) SHALL BE 24\"/>

DETECTABLE WARNING FIELDS ON CORNERS OF PREBLE STREET SHALL BE RADIAL.

ALL DISTURBED SIDEWALK SHALL BE RECONSTRUCTED WITH BRICK SIDEWALK MEETING CITY OF PORTLAND TECHNICAL STANDARD DETAIL I-10 (SEE DETAIL SHEETS IN BID DOCUMENTS). NO GRASS ESPLANADE OR SLOPE BEHIND SIDEWALK IS INTENDED.

LIMITS OF WORK SHOWN FOR BRICK SIDEWALK RECONSTRUCTION ARE FOR ESTIMATING PURPOSES. ACTUAL LIMITS SHALL BE ESTABLISHED IN THE FIELD BY THE RESIDENT.

SIDEWALK SHALL BE BUILT WITH CROSS-SLOPE OF 2% MAXIMUM. MAXIMUM RAMP RUNNING SLOPE SHALL BE 1:12 (8.33%).

DESIGN-DETAILED	ALG	2-13	SIGNATURE
CHECKED-REVIEWED	ALG	2-13	4226
DESIGNS-DETAILED			P.E. NUMBER
DESIGNS-DETAILED			2-27-13
REVISIONS 1			DATE
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

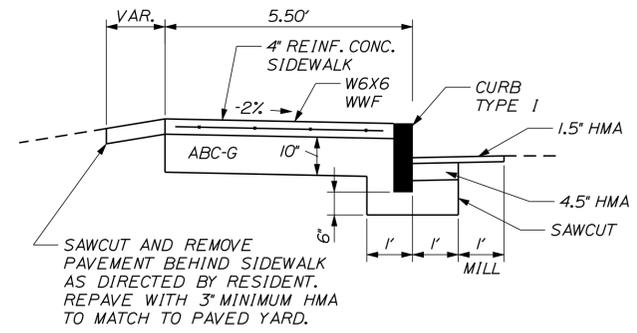
PROJ. MANAGER	P. VALLANCOURT	DATE	2-13
CHECKED-REVIEWED	ALG	DATE	2-13
DESIGN-DETAILED			
DESIGNS-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

PORTLAND
CONGRESS ST. & PREBLE ST.
PLANS

Date: 3/11/2013

Username: jeason

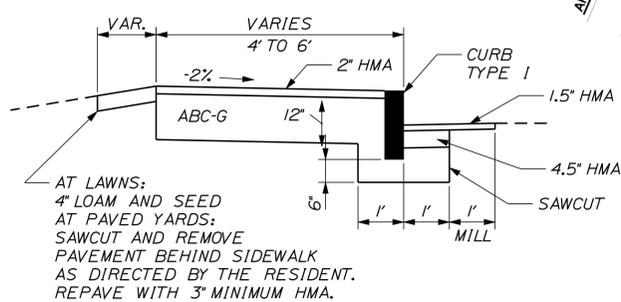
Filename: ... \005_HDPlan SOUTH PORTLAND MUSSEY BROADWAY\005



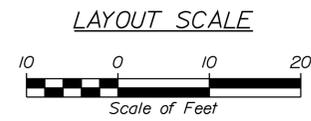
CONCRETE SIDEWALK TYPICAL SECTION
NOT TO SCALE

- LEGEND**
- DWF DETECTABLE WARNING FIELD
 - TE TERMINAL END
 - ABC-G AGGREGATE BASE COURSE - GRAVEL, TYPE A
 - HMA 9.5 mm HOT MIX ASPHALT
 - 2" NON-METALLIC CONDUIT
 - JB JUNCTION BOX
 - PEDESTAL POLE ON 18" FOUNDATION WITH AUDIBLE COUNTDOWN PEDESTRIAN SIGNAL

NOTE:
DWF TO BE CAST IRON.
ALL NEW CURB TO BE TYPE I UNLESS NOTED.

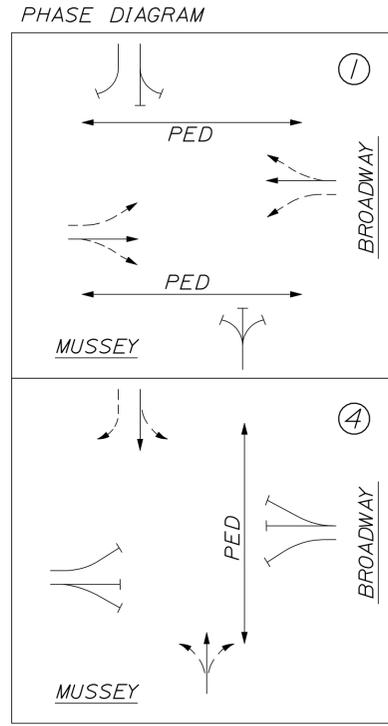
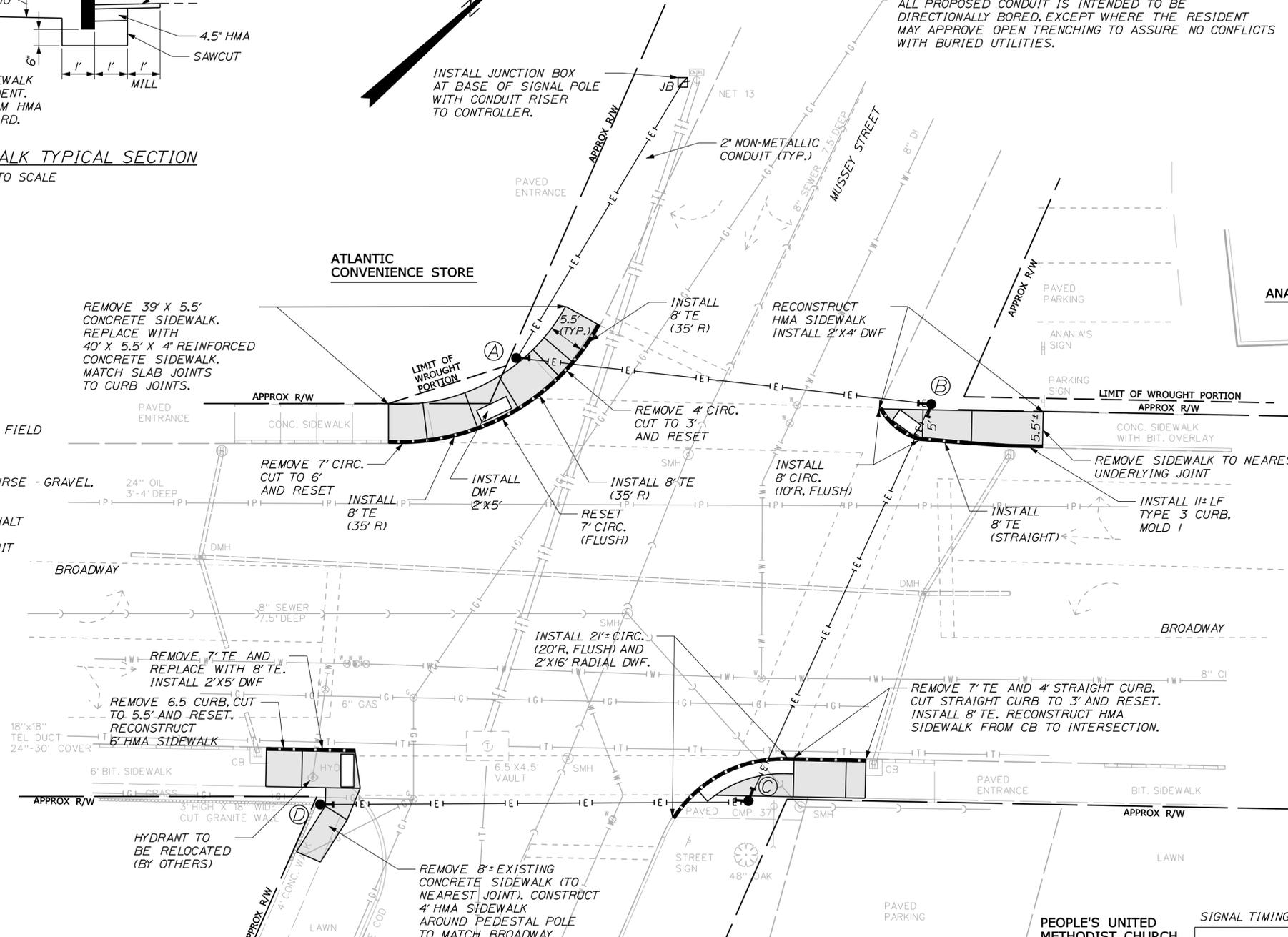


H.M.A. SIDEWALK TYPICAL SECTION
NOT TO SCALE



NOTES TO CONTRACTOR
PROPOSED CONDUIT CROSSING OIL PIPELINE MUST MAINTAIN 18" MINIMUM SEPARATION. CONTRACTOR SHALL EXPOSE PIPELINE TO CONFIRM LOCATION AND DEPTH BEFORE INSTALLING CONDUIT.
ALL PROPOSED CONDUIT IS INTENDED TO BE DIRECTIONALLY BORED, EXCEPT WHERE THE RESIDENT MAY APPROVE OPEN TRENCHING TO ASSURE NO CONFLICTS WITH BURIED UTILITIES.

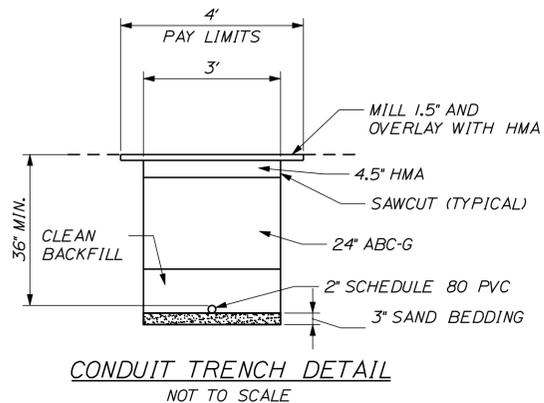
- Ⓐ INSTALL PEDESTAL POLE ON 18" FOUNDATION AT BACK OF SIDEWALK 13' ± FROM BROADWAY. (1) COUNTDOWN PEDESTRIAN SIGNAL WITH AUDIBLE/TACTILE FEATURES, (2) PEDESTRIAN DIRECTIONAL PUSHBUTTON ASSEMBLY, AND (1) R10-3e (RIGHT) SIGN
- Ⓑ INSTALL PEDESTAL POLE ON 18" FOUNDATION AT BACK OF SIDEWALK 7' FROM MUSSEY E.P.. (2) COUNTDOWN PEDESTRIAN SIGNALS WITH AUDIBLE/TACTILE FEATURES, (2) PEDESTRIAN DIRECTIONAL PUSHBUTTON ASSEMBLIES, (1) R10-3e (LEFT) SIGN AND (1) R10-3e (RIGHT) SIGN.
- Ⓒ INSTALL PEDESTAL POLE ON 18" FOUNDATION AT BACK OF SIDEWALK 4' SOUTHWEST OF POLE CMP 37. (2) COUNTDOWN PEDESTRIAN SIGNALS WITH AUDIBLE/TACTILE FEATURES, (2) PEDESTRIAN DIRECTIONAL PUSHBUTTON ASSEMBLIES, (1) R10-3e (LEFT) SIGN AND (1) R10-3e (RIGHT) SIGN.
- Ⓓ INSTALL PEDESTAL POLE ON 18" FOUNDATION ADJACENT TO MUSSEY ST. WALL, 9' FROM BROADWAY E.P.. (1) COUNTDOWN PEDESTRIAN SIGNAL WITH AUDIBLE/TACTILE FEATURES, (1) PEDESTRIAN DIRECTIONAL PUSHBUTTON ASSEMBLY, AND (1) R10-3e (LEFT) SIGN.



SIGNAL TIMING

	PH.1	PH.2	PH.3	PH.4	PH.5	PH.6	PH.7	PH.8
MIN. GREEN	25	-	-	4	-	-	-	-
EXT	0	-	-	3.0	-	-	-	-
MAX 1	30	-	-	20	-	-	-	-
MAX 2	30	-	-	0	-	-	-	-
YELLOW	3.0	-	-	3.0	-	-	-	-
RED	1.5	-	-	1.5	-	-	-	-
WALK	7	-	-	7	-	-	-	-
PED CLR	13	-	-	13	-	-	-	-
RECALL	SOFT	-	-	OFF	-	-	-	-

IN THE EVENT OF CONFLICT OR MALFUNCTION, BROADWAY SHALL FLASH YELLOW AND MUSSEY ST. SHALL FLASH RED.
NOTE: SIGNAL PHASING AND TIMING SHOWN FOR VEHICULAR OPERATIONS ARE FROM EXISTING CONTROLLER SETTINGS. ADD WALK AND PEDESTRIAN CLEARANCE TIMING TO CONTROLLER AS SHOWN.



CONDUIT TRENCH DETAIL
NOT TO SCALE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
WIN 14049.23
HIGHWAY PLANS

SOUTH PORTLAND
MUSSEY ST. & BROADWAY
PLANS

SHEET NUMBER
5
OF 5