NOTES:

1. LOCATIONS AND SYMBOLS FOR BUS SUPPORT AND CONNECTION TYPES ARE SHOWN AND INDICATED AS:
   S - SLIP FIT SUPPORT
   F - FIXED SUPPORT
2. WIRE CONDUCTOR MINIMUM BEND RADIUS TO BE INSTALLED AT A RADIUS NO LESS THAN:
   1272KCM AAC - 19.5 INCHES
   795KCM AAC/ACSR - 15 INCHES
   336KCM AAC - 10 INCHES
   4/0 COPPER - 8 INCHES
3. 34.5KV & 12KV ELECTRICAL BUS AND CONDUCTOR CLEARANCES FOR THE 2011 EXPANSION INSTALLATION SHALL NOT BE LESS THAN THE FOLLOWING VALUES PER ANSI C37.32 TABLE 5 UNLESS OTHERWISE NOTED:
   (34.5KV) PHASE - PHASE (℄ TO ℄) = 3'-0"
   (34.5KV) PHASE - GROUND (METAL TO METAL) = 1'-3"
   (12KV) PHASE - PHASE (℄ TO ℄) = 2'-0"
   (12KV) PHASE - GROUND (METAL TO METAL) = 10"
4. COPPER BUS TO BE WIRE BRUSHED AND THOROUGHLY CLEANED PRIOR TO THE INSTALLATION OF ANY NEW ELECTRICAL FITTINGS.
5. NEW BAY ADDED TO EXISTING STRUCTURE FOR C1 CAPACITOR BANK ADDITION. SEE DRAWING 520-39 SH.2 FOR COMPLETE PLAN VIEW.
6. ITEMS ARE TO BE RELOCATED FROM EXISTING STRUCTURE TO THE SOUTH END OF THE NEW BAY. ITEMS BEING RELOCATED INCLUDE: SWITCH MS1 (NOW LA1), STATION SERVICE FUSED CUTOUT AND THE TRUSS THAT SWITCH MS1 (NOW LA1) IS MOUNTED TO.

2

REFERENCE DRAWINGS CONTINUED:

520-39 SH. 2	GENERAL ARRANGEMENT PLAN
520-39 SH. 3	GENERAL ARRANGEMENT SECTION A-A
520-2-1	ELECTRICAL DETAILS
520-6-1	FENCE & GROUNDING PLAN
520-6-2	CONDUIT PLAN
520-6-5	YARD LIGHTING PLAN & DETAILS
520-12-2	SUBSTATION YARD ERECTION MATERIAL LIST

ADDITIONS DRAWING

This document and any attachments are considered:
BUSINESS CONFIDENTIAL
PROTECTED CRITICAL INFRASTRUCTURE INFORMATION

REFERENCE DRAWINGS

520-1-2	AREA PHASING DIAGRAM
520-42	UNIT SUBSTATION FOUNDATION
520-41	MATERIAL LIST
520-38	FOUNDATION SUMMARY
520-37	FOUNDATION PLAN
520-36	POWER ONE LINE DIAGRAM

NO.	REVISION	DATE	BY	CK	P. E. STAMPED BY	P. E. No.
2	ISSUED FOR CONSTRUCTION	08/15/16	SGC	SGC	NDT	13599
1	As-Built Drawing 2012 Const	05/23/12	TRC	TRC	GLB	10141
0	Redrawn Issue For Const 2011	10/21/11	TRC	TRC	MJS	10130

Professional Engineer Seal: STATE OF MAINE, NATHAN D. TOBEY, 13599, LICENSED PROFESSIONAL ENGINEER, 8/15/2016

DESIGNED TRC/EJD
DRAWN TRC/JMW
CHECKED TRC/MJS
APPROVED CMP/JHL
REVIEWED

GENERAL ARRANGEMENT PLAN & SECTIONS BISHOP ST. S/S

PORTLAND MAINE

CENTRAL MAINE POWER COMPANY
SYSTEM ENGINEERING

DATE: 6/27/11
SCALE: 1/4" = 1'-0"

520-39 SH. 1
REV 2

ENGINEERING CONSULTANT - LOGO - ADDRESS
SGC ENGINEERING, LLC
100 WATER ST.
HALLOWELL, ME 04347

THIS DRAWING SHALL BE REPRODUCED IN WHITE CADD SYSTEM ONLY

Reviewed for Code Compliance Authorized Inspector Jurisdiction of Maine
Date: 02/24/17