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 (C TO C) = 3'-0"
   (34.5KV) PHASE - GROUND (METAL TO METAL) = 1'-3"
   (12KV) PHASE - PHASE (C TO C) = 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. 2011 FENCELINE EXPANSION SHOWN IN BOLD.
6. ALL EXISTING FENCE COMPONENTS THAT ARE NOT PART OF THE 2011 FENCELINE EXPANSION ARE TO BE COMPLETELY REPLACED WITH NEW COMPONENTS.
7. FIBER CONTRACTOR TO INSTALL FIBER SPAN FROM CMP DISTRIBUTION POLE #12 TO YARD LIGHTING POLE WP-2 AT A TENSION RESULTING IN A SAG OF NO LESS THAN 1.5 FT. IF HIGHER TENSION IS REQUIRED, NOTIFY ENGINEERING PRIOR TO INSTALLATION.
8. 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.

REFERENCE DRAWINGS CONTINUED:

520-2-1	ELECTRICAL DETAILS
520-12-2	SUBSTATION YARD ERECTION MATERIAL LIST
520-5-4 SH. 1	CONTROL HOUSE LAYOUT PLAN
520-6-1	FENCE & GROUNDING PLAN
520-6-2	CONDUIT PLAN
520-6-5	YARD LIGHTING PLAN L

SCALE: 3/16" = 1'-0"

ADDITIONS DRAWING

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

REFERENCE DRAWINGS	
520-37	FOUNDATION PLAN
520-39	GENERAL ARRANGEMENT PLAN & SECTIONS
520-012-005	SUBSTATION MATERIAL LIST
520-1-2	AREA PHASING DIAGRAM
520-36	POWER ONE LINE DIAGRAM
520-39 SH. 1	GENERAL ARRANGEMENT PLAN & SECTIONS

NO.	REVISION	DATE	BY	CK	P.E. STAMPED BY	P.E. No.
4	ISSUED FOR CONSTRUCTION	08/15/16	SGC	SGC	NDT	13599
3	As-Built Drawing 2012 Const	05/23/12	TRC	TRC	GLB	10141
2	IFC Re-Issue For Const 2012	01/20/12	TRC	TRC	MJS	10130
1	IFC Re-Issue For Const 2011	10/24/11	TRC	TRC	GLB	10141
0	IFC 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 MJS
DRAWN MJS
CHECKED MPB
APPROVED MPB
REVIEWED

GENERAL ARRANGEMENT PLAN & SECTIONS BISHOP ST. S/S

PORTLAND MAINE

CENTRAL MAINE POWER COMPANY
SYSTEM ENGINEERING
CENTRAL MAINE POWER
DATE: 12/02/1999
SCALE: 3/16" = 1'-0"

520-39 SH. 2
REV 4

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

THIS DRAWING SHALL BE REVISED ON THE CADD SYSTEM ONLY

Reviewed for Code Compliance Inspection Division Department of Public Safety
Date: 02/24/17