FOUNDATION LIST

MARK	REQ'D	FOUNDATION FOR	DWG. NO.	ELEV.	CONCRETE EACH	CONCRETE TOTAL
A	3	33KV BUS STRUCTURE	25-80, FIG. 1		37	111
B	6	33KV BUS STRUCTURE	25-80, FIG. 2		29	174
C	1	UNIT SUBSTATION	520-42, FIG. 1			408
E	1	12470V SWITCHGEAR	520-40		5.4 CU YD	

2011 FOUNDATION SCHEDULE

MARK	REQ'D	FOUNDATION FOR	DWG. NO.	ELEV.	CONC./CU. YD'S. EACH	CONC./CU. YD'S. TOTAL
F	2	72.5KV CKT. BREAKER	520-3-2	NOTE 1	6.1	12.2
G	2	34.5KV VT STAND	520-3-3	NOTE 1	3	6
H	1	TRANSRUPTER	520-3-4	NOTE 1	3.2	3.2
J	1	CONTROL HOUSE	520-4-1	NOTE 3	24	24
K	1	TRANSFORMER T1	520-3-5	NOTE 1	6.5	6.5
L	2	GATE THRESHOLD	520-6-7	NOTE 2	2.7	5.4
M	1	CABLE VAULT	520-6-3	NOTE 2	NOTE 4	NOTE 4

2014 FOUNDATION SCHEDULE

MARK	REQ'D	FOUNDATION FOR	DWG. NO.	ELEV.	CONC./CU. YD'S. EACH	CONC./CU. YD'S. TOTAL
A	1	33KV BUS STRUCTURE	520-03-17	NOTE 6	2.25	2.25
B	1	33KV BUS STRUCTURE	520-03-18	NOTE 6	29	29
L	1	GATE THRESHOLD	520-6-7	NOTE 2	2.7	2.7
N	1	34.5KV GAS CKT. BREAKER	520-3-15	NOTE 1	8.0	8.0
O	1	5.4MVAR CAP BANK	520-3-16	NOTE 1	10.2	10.2

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NOTES:

1. INSTALL FOUNDATIONS 6" ABOVE FINISH GRADE.
2. REFER TO FOUNDATION DETAIL DRAWING FOR INSTALLATION DETAILS.
3. INSTALL FOUNDATION 8" ABOVE FINISH GRADE.
4. TO BE DETERMINED BY PRECAST CONCRETE MANUFACTURER.
5. CONTRACTOR TO DETERMINE WIDTH AND ROTATION ANGLE OF FOUNDATION.
6. PIER ELEVATION SHALL MATCH EXISTING STUCTURE PIER ELEVATION.

4

0 5 10 15 20
SCALE: 3/16"=1'-0"

ADDITIONS DRAWING

NO.	REVISION	DATE	BY	CK	P. E. STAMPED BY	P. E. No.
4	RE-ISSUED FOR CONSTRUCTION	12/22/16	SGC	SGC	BJB	12004
3	RE-ISSUED FOR CONSTRUCTION	08/26/16	SGC	SGC	BJB	12004
2	ISSUED FOR CONSTRUCTION	08/15/16	SGC	SGC	BJB	12004
1	Record Drawing 2012 Const	05/23/12	TRC	TRC		
0	Redrawn Issue For Const 2011	10/21/11	TRC	TRC	MJS	10130

Professional Engineer Seal

STATE OF MAINE
BRIAN J. BEAULIEU
No. 12004
LICENSED
PROFESSIONAL ENGINEER

DESIGNED SGC/TDD
DRAWN SGC/TDD
CHECKED SGC/TMH
APPROVED CMP
REVIEWED

FOUNDATION PLAN

BISHOP ST. SUBSTATION

PORTLAND MAINE

CENTRAL MAINE POWER COMPANY
SYSTEM ENGINEERING
CENTRAL MAINE POWER
DATE: 8/15/16
SCALE: 3/16" = 1'-0"

520-37
REV 4

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

REFERENCE DRAWINGS	
520-6-2	CONDUIT PLAN
520-6-1	FENCE & GROUNDING PLAN
520-42	FOUNDATION FOR UNIT SUBSTATION
520-39	GENERAL ARRANGEMENT PLAN & SECTIONS
520-38	FOUNDATION SUMMARY
520-36	POWER ONE LINE DIAGRAM

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

THIS DRAWING SHALL BE REVISED ON THE CADD SYSTEM ONLY

Reviewed for Code Compliance Inspections Division Maine Department of Labor Date: 02/24/17