1 THIS SH. FOUNDATION SECTION
SCALE: 1/2" = 1'-0"

2 THIS SH. PIER DETAIL
SCALE: 1" = 1'-0"

FOUNDATION PLAN
SCALE: 1/2" = 1'-0"

GENERAL NOTES:

1. FOUNDATION DEPTH SHALL MATCH DEPT CIRCUIT BREAKER FOUNDATION. SEE DR 520-3-15 FOR BREAKER FOUNDATION INFORMATION.

2. FOR ELEVATION OF TOP OF FOUNDATION, SEE FOUNDATION PLAN 520-37.

3. CONCRETE MIX DESIGN:
   - 3.1. STRENGTH: 4000 psi AT 28 DAYS
   - 3.2. AGGREGATE: ¾ INCH NOMINAL MAX.
   - 3.3. W/C RATIO: 0.45 MAXIMUM
   - 3.4. ENTRAINED AIR: 6% ±0.5%
   - 3.5. SLUMP: 5 INCH ±1 INCH

4. REINFORCING BARS SHALL CONFORM TO ASTM A615 GRADE 60 DEFORMED BARS AND SHALL BE DETAILED, FABRICATED AND PLACED IN ACCORDANCE WITH ACI 315, LATEST EDITION. WELDING OF REINFORCEMENT SHALL NOT BE PERMITTED.

5. MINIMUM CONCRETE PROTECTIVE COVERING FOR REINFORCEMENT SHALL BE AS FOLLOWS UNLESS NOTED OTHERWISE:
   - 5.1. SURFACES CAST AGAINST AND PERMANENTLY IN CONTACT WITH EARTH: 3"
   - 5.2. FORMED SURFACES IN CONTACT WITH EARTH OR EXPOSED TO WEATHER: 2"
   - 5.3. SURFACES NOT IN CONTACT WITH EARTH OR EXPOSED TO WEATHER: 1½"

6. ANCHOR ROD SHALL BE ASTM F1554 GRADE 36 STEEL WITH ASTM A563 HEAVY HEX NUTS AND F844 WASHERS. ALL ANCHOR RODS, NUTS, AND WASHERS SHALL BE HOT-DIP GALVANIZED.

1

0 1/2' 1' 2'
SCALE: 1" = 1'-0"
0 1' 2' 4'
SCALE: 1/2" = 1'-0"

Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 02/24/17

NO.	REVISION	DATE	BY	CK	P. E. STAMPED BY	P. E. No.
1	REVISED PER COMMENTS	01/13/17	AKG	BJB	BJB	12004
0	ISSUED FOR CONSTRUCTION	12/30/16	AKG	BJB	BJB	12004

Professional Engineer Seal: STATE OF MAINE, BRIAN J. BEAULIEU, No. 12004, LICENSED PROFESSIONAL ENGINEER

DESIGNED AKG
DRAWN TJG
CHECKED BJB
APPROVED BJB
REVIEWED

FOUNDATION DETAIL FOR
33KV BUS STRUCTURE-MODIFIED PIER
BISHOP ST. 34KV S/S

CENTRAL MAINE POWER COMPANY
SYSTEM ENGINEERING
DATE: 12/27/16
SCALE: AS NOTED

520-03-18
REV 1

REFERENCE DRAWINGS

520-3-11	SITE PLAN
520-37	FOUNDATION PLAN

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

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

THIS DRAWING SHALL BE REVISED ON THE CADD SYSTEM ONLY