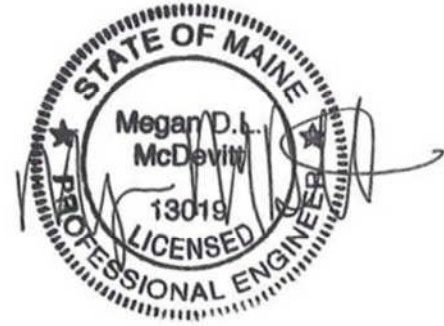




MEMORANDUM

TO: Tim Hart, AIA
FROM: Megan McDevitt, PE
CC: Scott Hawk, PE and Denise Cameron, PE
DATE: November 12, 2013
RE: Light Pole Foundations for Street Lights at Hyatt Place, on Fore Street, Portland Maine

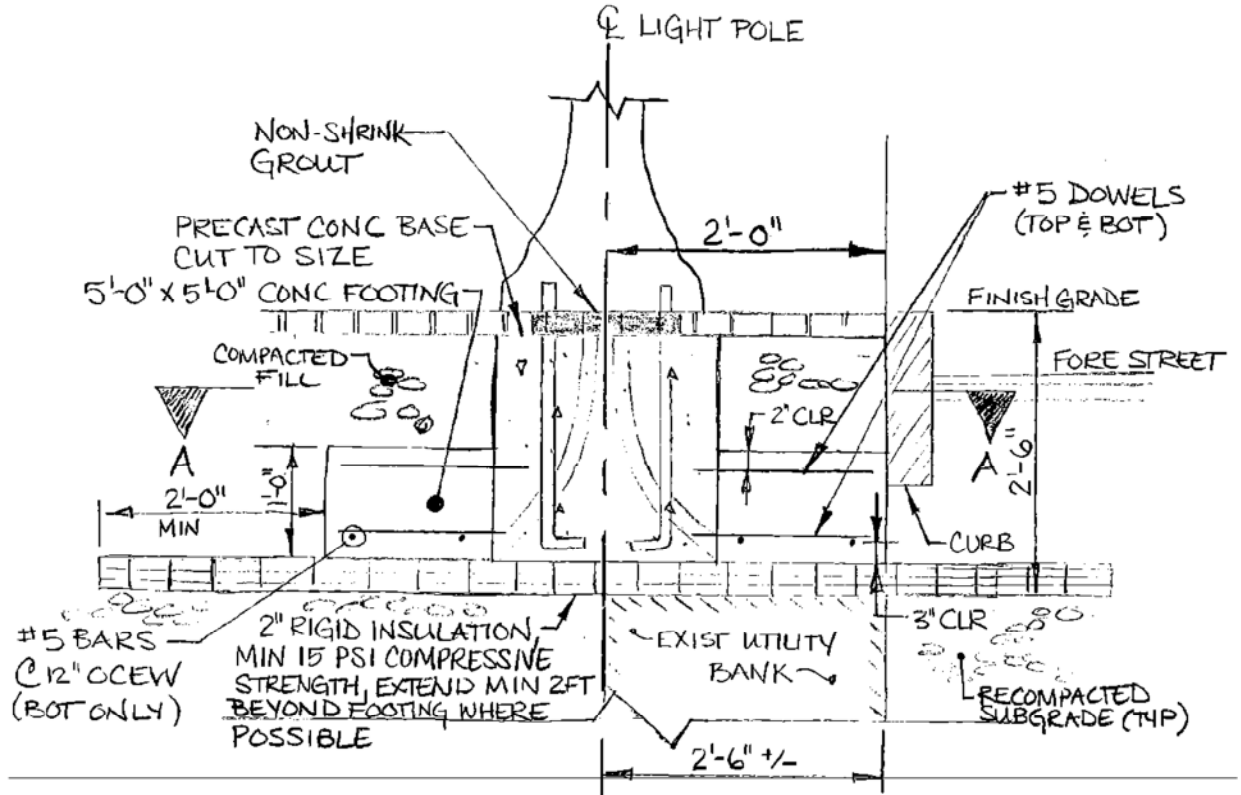


Woodard & Curran was the Civil Engineering Firm responsible for the development of the site design for the proposed Hyatt Place project on the corner of Fore Street and Union Street in Portland, Maine. As part of the proposed site improvements for the project, the existing street lights were to be removed and replaced with Old Port District Street Lighting Poles per the City of Portland Technical Manual. New precast light pole foundations were proposed to be installed with the new street light poles. The proposed light pole foundations consisted of 24-inch diameter, 52" deep precast bases with embedded anchor bolts and PVC conduit in accordance with City of Portland standards.

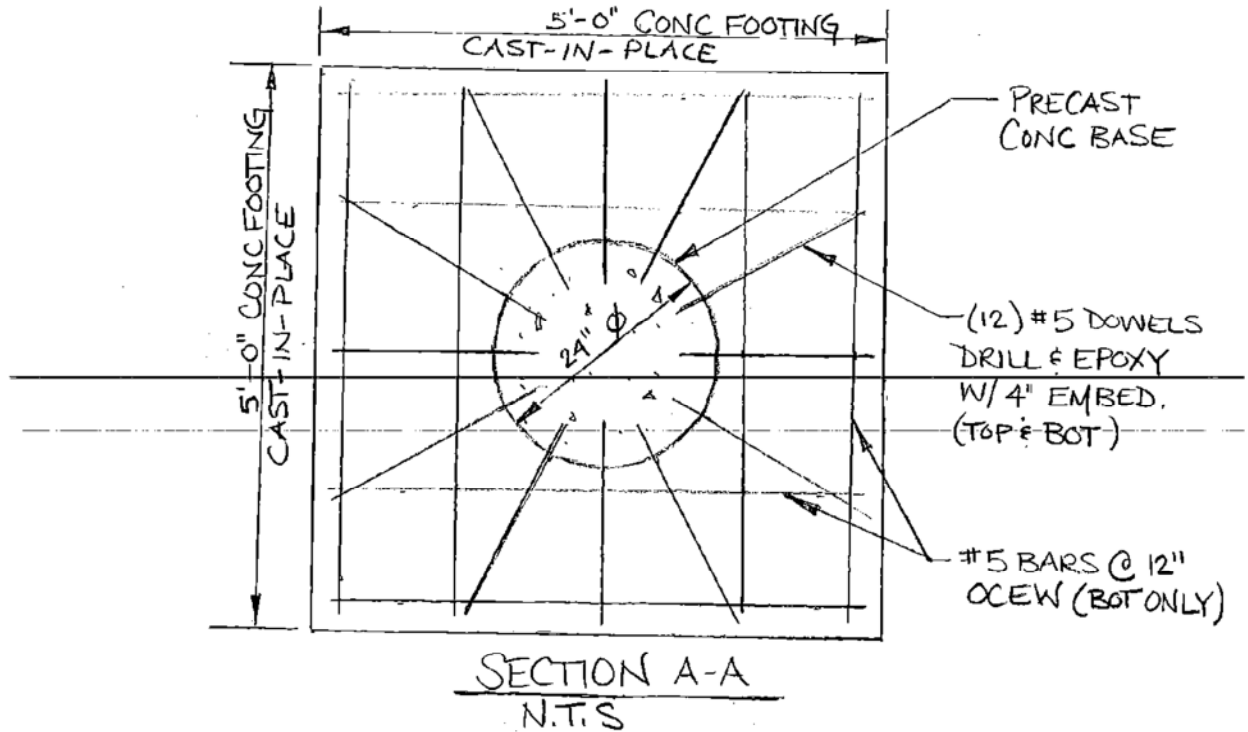
Upon removal of the existing street light poles during construction, it was discovered the existing street light poles were located on top of an existing Central Maine Power (CMP) concrete electrical ductbank that runs parallel with and adjacent to the curb along Fore Street. Based on field measurements provided to Woodard & Curran, the top of the CMP ductbank is located 2'-6" below finish grade. Installation of the proposed light pole precast foundations is not possible because the elevation of the existing CMP ductbank conflicts with the depth of the proposed precast foundations.

Woodard & Curran was requested by Canal 5 Studios to design a shallow foundation for the new light poles utilizing the precast light pole foundations to the maximum extent practical. Woodard & Curran has designed a light pole shallow foundation that utilizes the precast base with the embedded anchors and PVC conduit, cut to fit above the existing CMP duct bank, and reinforced cast-in-place concrete. The light pole shallow foundation has been designed to support the weight of the proposed light poles and resist overturning. The proposed light pole shallow foundation design is shown on the attached sketch.

No information was available to Woodard & Curran regarding the conditions of the existing concrete duct bank; therefore, Woodard & Curran was not able to perform a complete analysis of the existing CMP duct bank.



LIGHT POLE BASE DETAIL
N.T.S.



PROPOSED LIGHT POLE SHALLOW FOUNDATION SKETCH