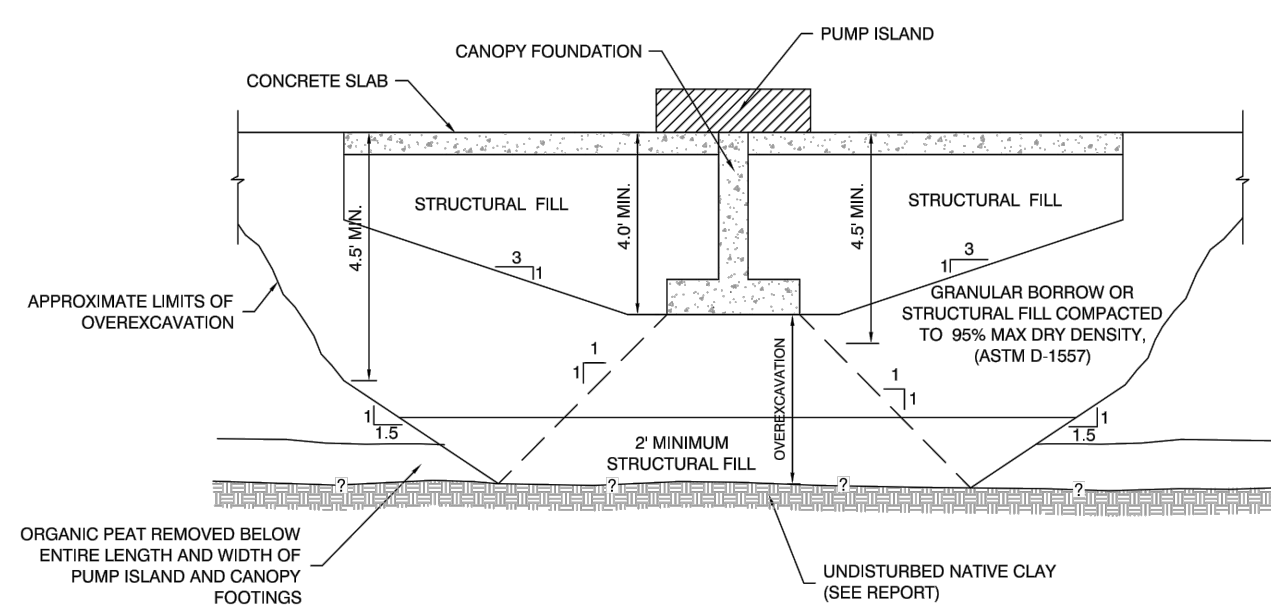


**(A)** VACANT  
N.T.S.

**(B)** VACANT  
N.T.S.

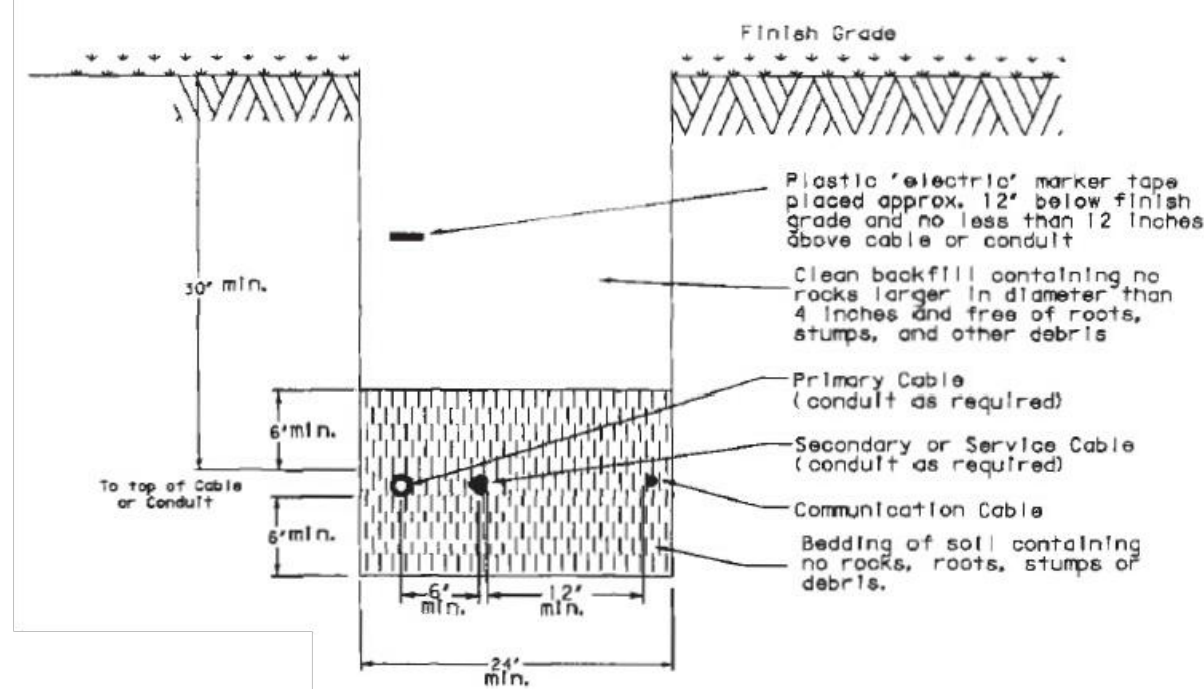
**S.W. COLE**  
ENGINEERING, INC.  
PRIORITY GROUP, LLC  
**UNDERDRAIN DETAIL - FUEL ISLAND**  
PROPOSED CONVENIENCE STORE / RESTAURANT  
GAS STATION AND CAR WASH  
U.S. ROUTE 1  
THOMASTON, MAINE  
Job No.: 11-0103    Scale: Not to Scale  
Date: 03/29/2011    Sheet: 16

**NOTE:**  
1. UNDERDRAIN INSTALLATION AND MATERIAL GRADATION RECOMMENDATIONS ARE CONTAINED WITHIN THIS REPORT.  
2. DETAIL IS PROVIDED FOR ILLUSTRATIVE PURPOSES ONLY. NOT FOR CONSTRUCTION.



**UNDERGROUND CABLE INSTALLATION**  
JOINTLY USED TRENCH - HORIZONTAL SEPARATION  
IN SITUATIONS WHERE THE TRENCH IS TO BE SHARED  
AGREEMENT MUST BE OBTAINED BETWEEN JOINT USERS

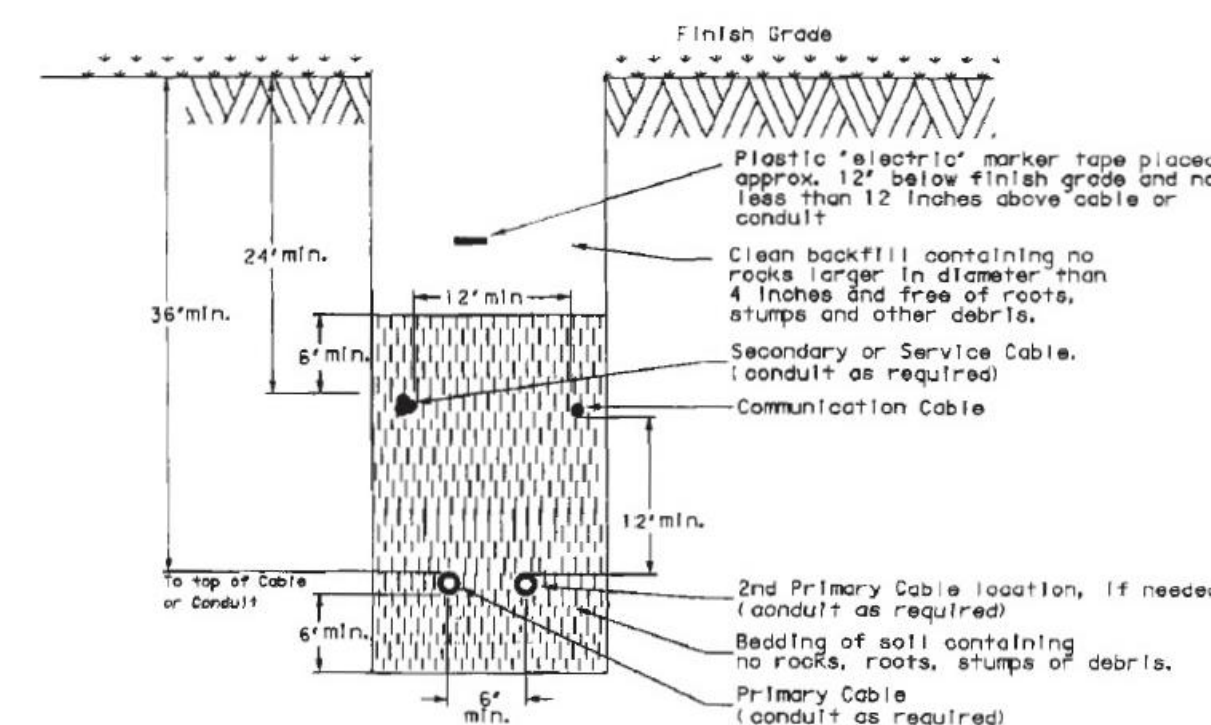
Trench shall be a minimum of 24' wide



**(D)** UNDERGROUND CABLE INSTALLATION JOINTLY  
USED TRENCH HORIZONTAL SEPARATION  
N.T.S.

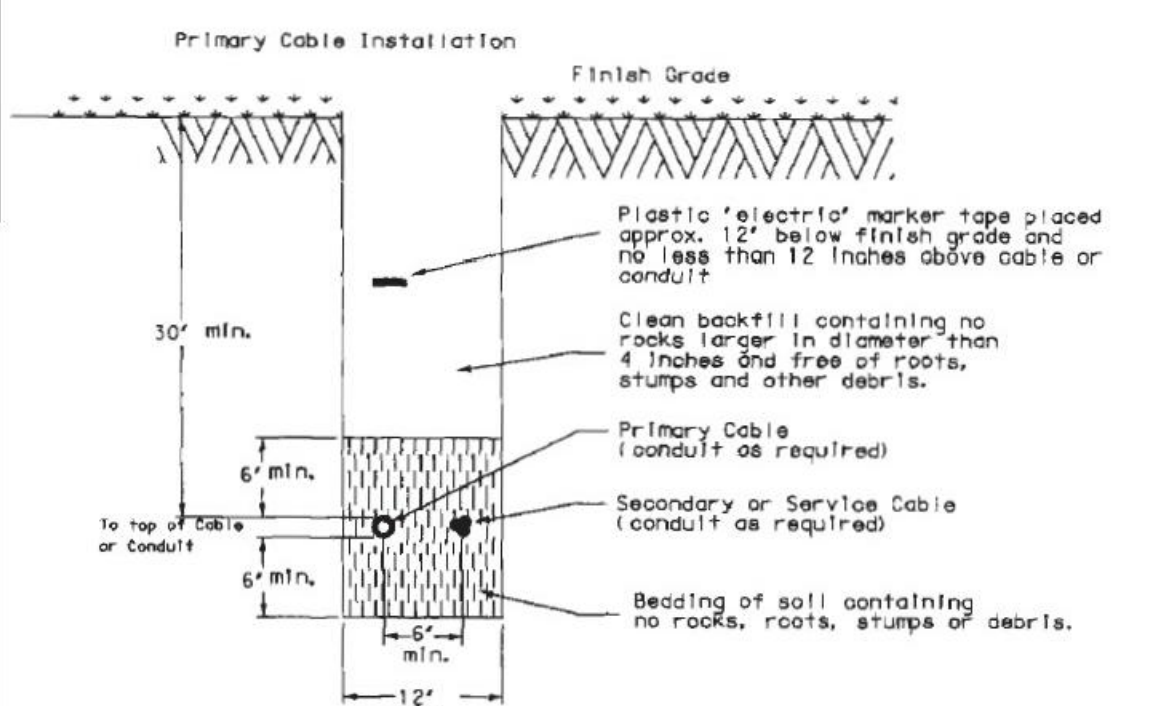
**UNDERGROUND CABLE INSTALLATION**  
JOINTLY USED TRENCH - VERTICAL SEPARATION  
IN SITUATIONS WHERE THE TRENCH IS TO BE SHARED  
AGREEMENT MUST BE OBTAINED BETWEEN JOINT USERS

**NOTES:**  
1. Installation should not allow the inter-twining of cables.  
2. Bedding and backfill shall be free of roots, stumps and other debris.  
3. Communication cable and power cable shall have no less than 12 inches of radial separation.

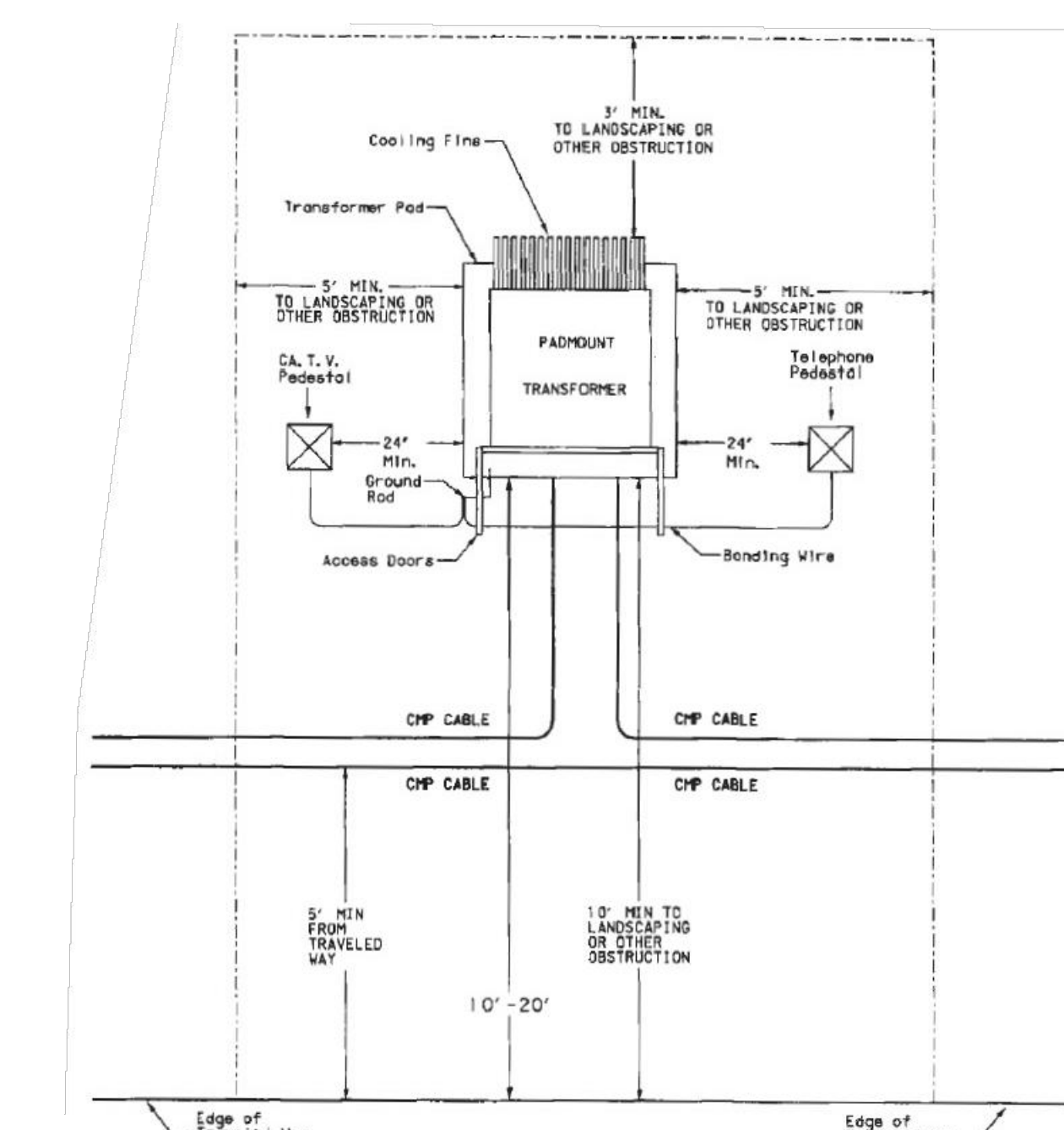


**(F)** UNDERGROUND CABLE INSTALLATION JOINTLY  
USED TRENCH VERTICAL SEPARATION  
N.T.S.

**UNDERGROUND CABLE INSTALLATION**  
TRENCH OCCUPIED BY CENTRAL MAINE POWER COMPANY ONLY



**(E)** UNDERGROUND CABLE TRENCH FOR POWER ONLY  
N.T.S.

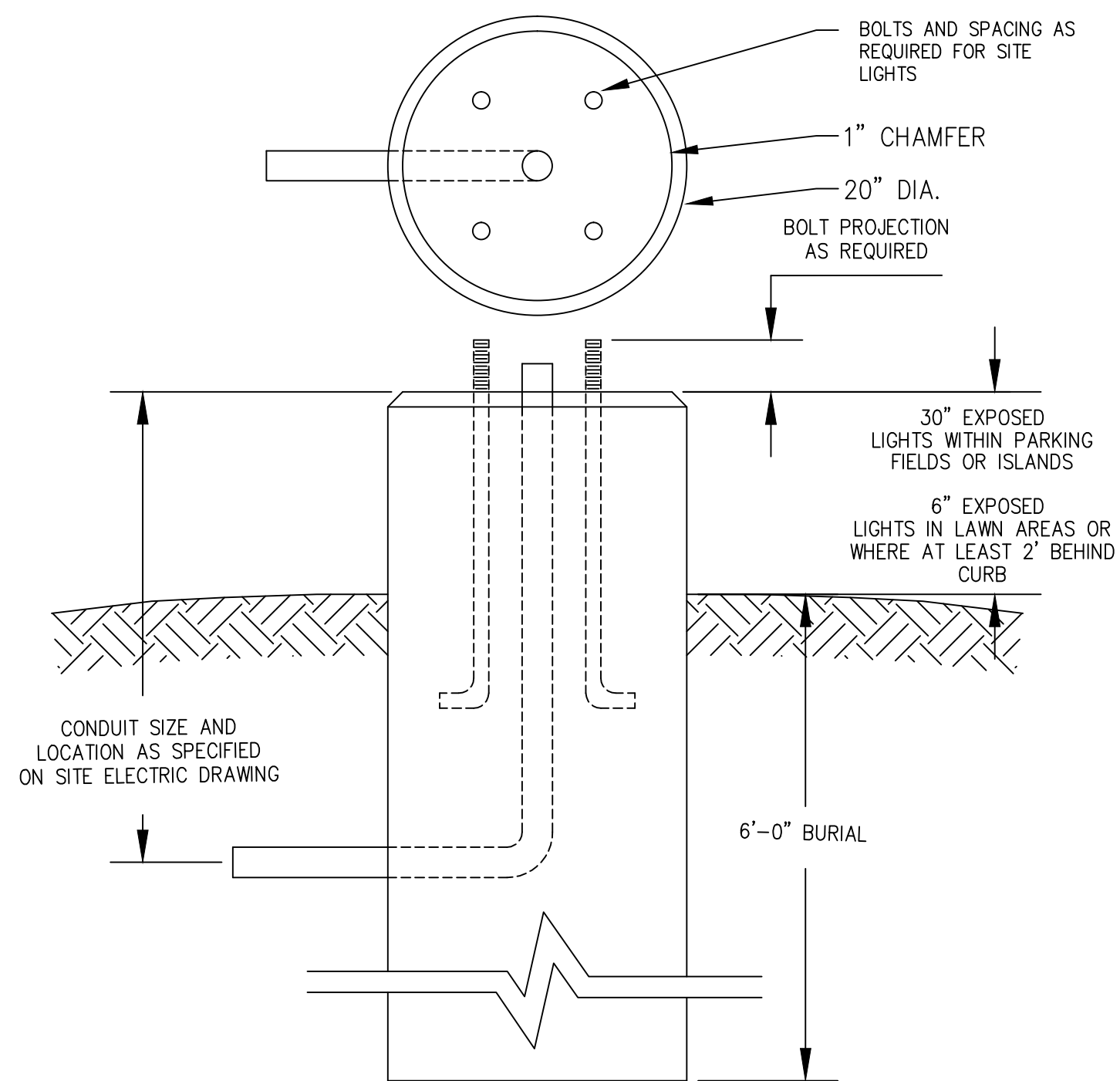


Preferred layout of a padmount transformer and direct buried underground distribution system. Prior CMP approval is required for any deviation from this layout.

At each transformer location a level 10 foot by 10 foot (minimum) area will be provided. The elevation of this area shall be sufficiently high to always be above the highest expected water level and of or above the top of any nearby ditch slope. The transformer foundation shall be installed so the top of the foundation is 6 inches above this elevation. The transformer foundation shall be installed no more than 20 feet from a road surface.

**(G)** CMP PADMOUNT TRANSFORMER LAYOUT  
N.T.S.

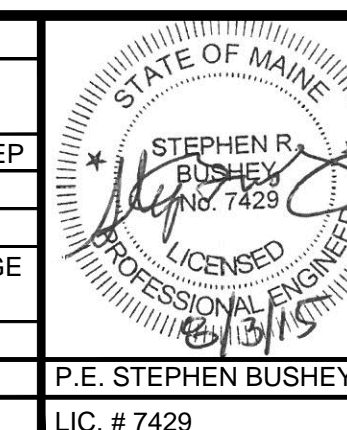
NOTE: ANCHOR BOLTS TO BE PROVIDED TO CONTRACTOR BY THE OWNER. THE CONTRACTOR IS RESPONSIBLE FOR SUPPLYING AND INSTALLING ALL LIGHT POLE FOUNDATIONS. THE CONTRACTOR IS ALSO RESPONSIBLE FOR TRENCHING AND BACKFILLING ALL CONDUITS. THE OWNER WILL BE RESPONSIBLE FOR SETTING OF LIGHT POLES AND ALL WIRING AND LIGHTING ASSEMBLIES.



**DESIGN NOTES:**  
1. CONCRETE 4,000 PSI AT 28 DAYS  
2. REINFORCING IS AS SPECIFIED. (TYP. 4 - #4 VERTICALLY AND #3 STIRRUPS 12" O.C. HORIZONTALLY)  
3. ANCHOR BOLTS AND GROUNDING AS SPECIFIED AND REQUIRED BY SUPPLIER.  
4. EXPOSED PORTION OF CONCRETE FOUNDATION TO BE PAINTED WITH 2 COATS OF ACRYLIC PAINT. COLOR TO MATCH POLE COLOR.  
5. FOR POLE HEIGHTS EQUAL TO OR LESS THAN 25' TALL.

**(H)** 20" ROUND PRECAST CONCRETE LIGHT POLE FOUNDATION  
N.T.S.

REV	DATE	DESCRIPTION
6	08.03.15	FINAL PLANS ISSUED TO CITY OF PORTLAND, ISSUED FOR CONSTRUCTION
5	07.22.14	SUBMITTED AMENDED PLANS TO CITY AND MEDEP
4	05.03.13	REVISED AND RESUBMITTED TO CITY
3	04.18.13	REVISED PER CITY STAFF COMMENTS
2	04.09.13	SUBMITTED TO MEDEP STORMWATER DISCHARGE PERMIT
1	03.28.13	SUBMITTED TO CITY OF PORTLAND



PROJECT  
**MULTI-USE DEVELOPMENT**  
2282 CONGRESS ST., PORTLAND, ME  
SHEET TITLE  
**ELECTRICAL AND LIGHTING DETAILS**  
CLIENT  
CJ DEVELOPERS, INC.  
35 PRIMROSE LANE, FREEPORT, MAINE 04032  
AND PORTLAND PROPERTY HOLDINGS, LLC  
2 MAIN STREET, SUITE 200, TOPSHAM, MAINE 04086

**FST**  
100 YEARS  
**FAY, SPOFFORD & THORNDIKE**  
ENGINEERS • PLANNERS • SCIENTISTS  
778 MAIN ST., SUITE 8, SOUTH PORTLAND, ME 04106  
DRAWN: CMW    DATE: OCTOBER 2013  
DESIGNED: SRB    SCALE: N.T.S.  
CHECKED: SRB    JOB NO. 3118  
FILE NAME: 3118-DET  
SHEET C-8.5