A VACANT
N.T.S.

B VACANT
N.T.S.

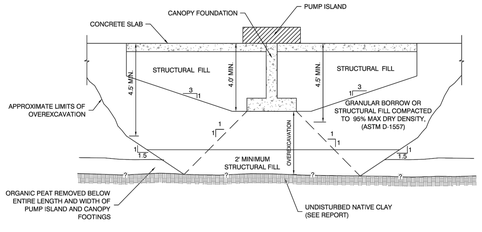
S.W.COLE ENGINEERING, INC.
PRIORITY GROUP, LLC

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.



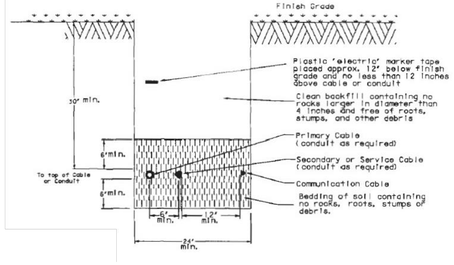
C
N.T.S.

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



UNDERGROUND CABLE INSTALLATION JOINTLY USED TRENCH HORIZONTAL SEPARATION
N.T.S.

D
N.T.S.

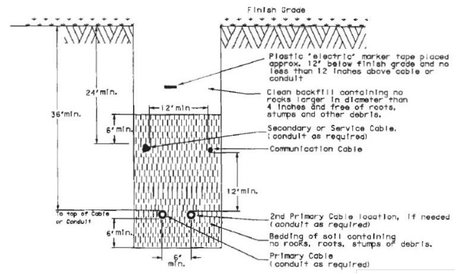
UNDERGROUND CABLE INSTALLATION

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.

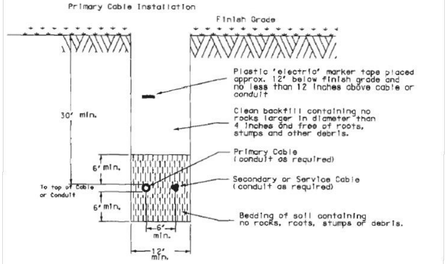


UNDERGROUND CABLE INSTALLATION JOINTLY USED TRENCH VERTICAL SEPARATION
N.T.S.

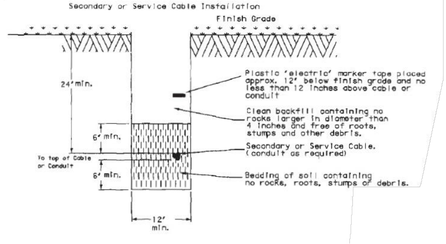
F
N.T.S.

UNDERGROUND CABLE INSTALLATION
TRENCH OCCUPIED BY CENTRAL MAINE POWER COMPANY ONLY

Primary Cable Installation

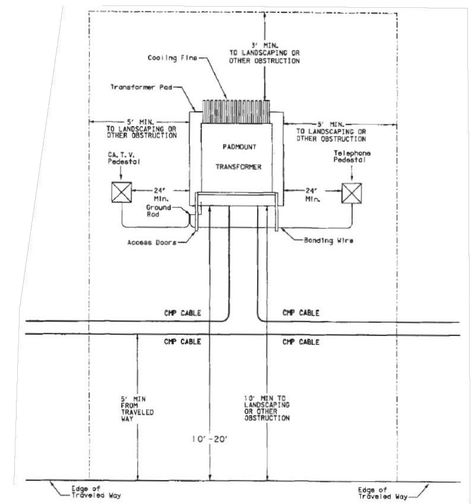


Secondary or Service Cable Installation



UNDERGROUND CABLE TRENCH FOR POWER ONLY
N.T.S.

E
N.T.S.

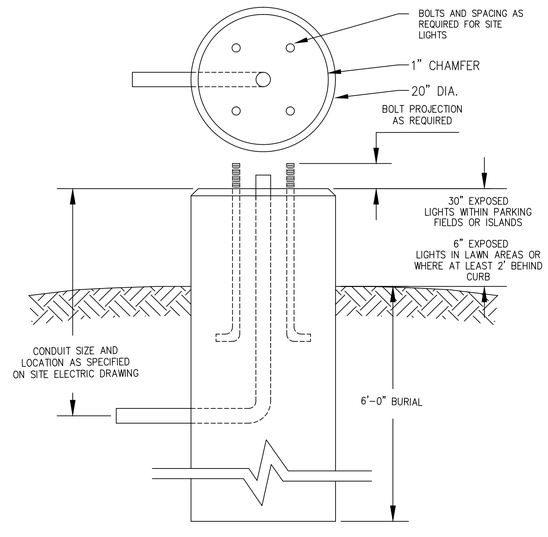


Preferred layout of a padmount transformer and direct buried underground distribution system. Prior CMP approval is required for any deviation from this layout.

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 at 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
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

REVISIONS

STATE OF MAINE — STEPHEN R. BUSHEY — 7429 — LICENSED PROFESSIONAL ENGINEER

P.E. STEPHEN BUSHEY
LIC. # 7429

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