



8"x6" REDUCER  
(ON PRIVATE  
PROPERTY)

4" GATE VALVE

8" GATE VALVE

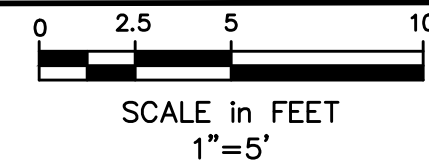
8"x4" TEE ON EXISTING  
8" DI WATER LINE.

S46 +  
2.07'

**NOTES**

1. THE 8"/6" FIRE LINE AND THE 4" DOMESTIC WATER LINE SHALL BE SEPARATED BY A MINIMUM OF 2 FEET FACE TO FACE.
2. THE SHUTOFF VALVES FOR THE 8" FIRE AND 4" DOMESTIC SHALL BE PLACED A MINIMUM OF 2' FROM THE FACE OF CURB ON FORE STREET.
3. A FULL LENGTH OF DI PIPE (MIN.) SHALL BE PLACED AFTER THE 8" AND 4" SHUTOFF VALVES IN THE SIDEWALK PRIOR TO INSTALLATION OF ADDITIONAL JOINTS (REDUCER, ELBOW).
4. TREES WELLS AND STREET LIGHTS SHALL BE LOCATED A MINIMUM OF 10 FEET FROM THE WATER SERVICE.

**WATER CONNECTION DETAIL**



TWO 5" ELECTRICAL  
CONDUITS FROM NEW POLE.

TWO 5" ELECTRICAL  
CONDUITS FROM EXISTING  
POLE.

INSTALL NEW ELECTRICAL  
MANHOLE, COORDINATE  
WITH CENTRAL MAINE  
POWER

THREE 5" ELECTRICAL  
CONDUITS FROM MANHOLE  
TO TRANSFORMER PAD.

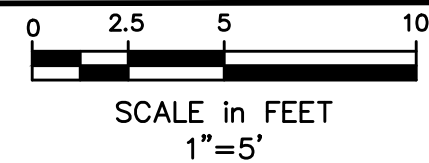
INSTALL NEW UTILITY POLE.  
COORDINATE WITH CENTRAL  
MAINE POWER

THREE 5" ELECTRICAL  
CONDUITS FROM MANHOLE  
TO TRANSFORMER PAD.

15' X 15' CONCRETE  
TRANSFORMER PAD

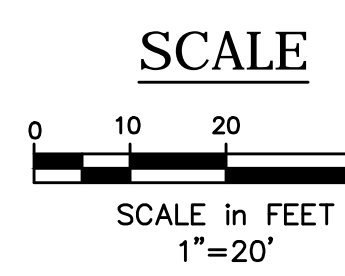
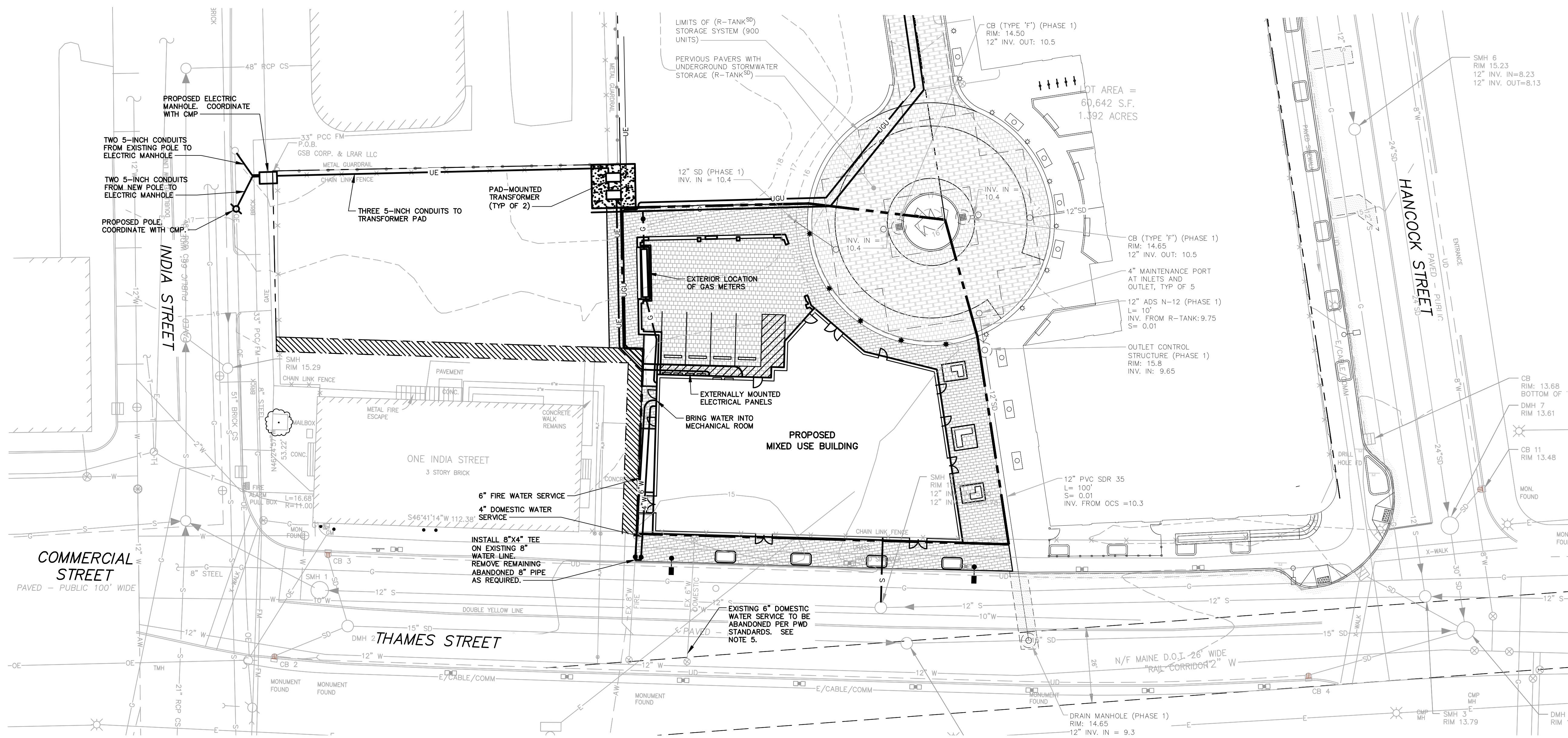
INSTALL NEW PAD-MOUNTED  
TRANSFORMERS. REFER TO  
ELECTRICAL PLANS

**ELECTRIC CONNECTION DETAILS**



**GENERAL NOTES**

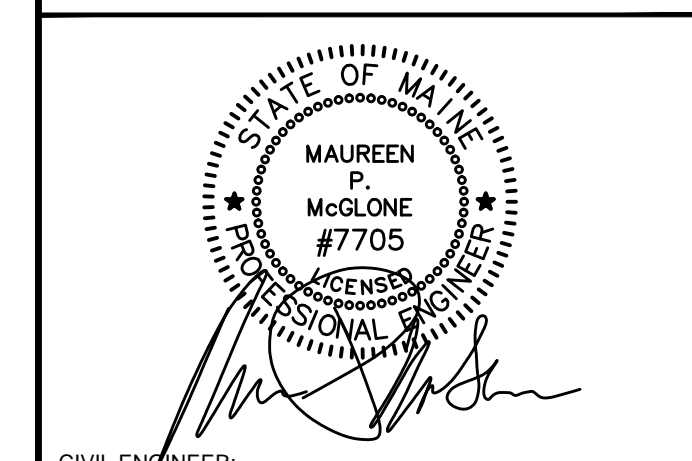
1. EXISTING UTILITIES SHOWN ARE APPROXIMATE AND SHALL BE FIELD VERIFIED.
2. COORDINATE INSTALLATION OF FIRE SERVICE AND DOMESTIC WATER SERVICE WITH PORTLAND WATER DISTRICT.
3. BACKWATER VALVES (BACKFLOW PREVENTER) SHALL BE INSTALLED ON EACH SANITARY LINE AS IT EXITS THE BUILDING. EACH VALVE SHALL BE PLACED WITHIN AN ACCESS BOX SUPPLIED BY MANUFACTURER.
4. A LICENSE FROM THE CITY OF PORTLAND SHALL BE REQUIRED FOR ANY BACKWATER VALVES WITHIN THE CITY RIGHT-OF-WAY.
5. TO ABANDON EXISTING WATER SERVICE ON THAMES STREET, REMOVE VALVE AND TAPPING SLEEVE AND INSERT REPAIR SLEEVE AND PIPE. SHUT DOWN OF MAIN SHALL BE REQUIRED. CAP FREE END OF SERVICE.



Project:  
**20 THAMES STREET  
RESIDENTIAL  
CONDOMINIUM**  
20 THAMES STREET  
PORTLAND, MAINE

Owner:  
**PORTLAND NORWICH  
ACQUISITION, LLC**  
P.O. Box 1383  
SANIBEL, FL 33957

Applicant:  
**ESSEXNORTH  
PORTLAND LLC**  
P.O. BOX 394  
TOPSFIELD, MA 01983



CIVIL ENGINEER:  
**MAUREEN P. MCGLONE, PE #7705**  
400 COMMERCIAL STREET, SUITE 404  
PORTLAND, ME 04101  
207-772-2891

**RANSOM**  
Consulting  
Engineers  
and Scientists  
400 Commercial Street, Suite 404  
Portland, ME 04101  
Tel. (207) 772-2891  
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**UTILITY PLAN**

C	PER REVIEW COMMENTS	06/09/17
B	CONSTRUCTION REVIEW	05/26/17
A	CITY SUBMISSION	03/09/17

No.	Revision/Issue	Date
Design by:	MPM	Checked by: SJB
Drawn by:	JAR	Approved by: SJB

Project:  
150.06094

Date:  
FEBRUARY 2017

Sheet No:  
**C1.1**  
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