GENERAL NOTES:

1. EXISTING SEWER AND STORM DRAINS TO BE TV'D PRIOR TO CONSTRUCTION TO VERIFY SIZE, LOCATION, AND CONDITION. INFORMATION TO BE REPORTED TO ENGINEER BEFORE CONSTRUCTION.
2. LOCATION OF PROPOSED CONNECTIONS ARE APPROXIMATE. CONTRACTOR TO CONTACT ENGINEER IF FIELD INFORMATION VARIES FROM INFORMATION ON PLANS.
3. CONTRACTOR IS TO BE CAUTIONED THAT CERTAIN LOCATIONS AND/OR ELEVATIONS OF EXISTING UTILITIES HAVE BEEN PROVIDED THROUGH UTILITY COORDINATION OR OTHER OBSERVATIONS. INFORMATION IS NOT TO BE RELIED UPON AS EXACT OR COMPLETE. CONTRACTOR TO FIELD VERIFY AND COORDINATE WITH UTILITY COMPANY AND DIG SAFE NO LESS THAN 72 HOURS PRIOR TO ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF ALL UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS INDICATED IN THE CONTRACT DOCUMENTS. CONTRACTOR TO NOTIFY ENGINEER OF ANY DIFFERENTIATIONS FROM EXISTING CONDITIONS, INCLUDING UTILITY SURVEY, PRIOR TO ANY CHANGES.
4. FOR ALL UTILITIES, ACORN ENGINEERING DESIGN LIMITS EXTEND TO OUTSIDE WALL OF BUILDING. METERING OF UTILITIES TO BE COMPLETED BY M.E.P. UNLESS SPECIFIED OTHERWISE.
5. CONTRACTOR TO COORDINATE WITH ARCHITECT ON FINAL UTILITY CONNECTIONS WITHIN THE BUILDING.
6. SEWER UTILITIES: CONTRACTOR TO VERIFY SIZE, LOCATION, AND CONDITION OF EXISTING SEWER CONNECTION. IF NEW SEWER SERVICE LINE IS NEEDED CONTRACTOR TO COORDINATE WITH ARCHITECT FOR FINAL SERVICE CONNECTION. SEWER UTILITIES TO BE CONSTRUCTED IN ACCORDANCE WITH CITY OF PORTLAND TECHNICAL STANDARDS. VALVE FOR BACKFLOW PREVENTION SHALL BE INSTALLED WITHIN THE THE PROPERTY LINES FOR EACH CITY SEWER CONNECTION. CONTACT ENGINEER IF FIELD CONDITIONS FROM INVERT VARY FROM DESIGN.
7. WATER UTILITIES: CONTRACTOR TO VERIFY CONDITION OF EXISTING 6" FIRE SERVICE AND REPLACE IF IN POOR CONDITION. FINAL PIPE SIZING PROVIDED BY M.E.P. ENGINEER AND FIRE PROTECTION DESIGNER. INTERNAL METERING, BACKFLOW PREVENTION, AND PRESSURE REDUCERS TO BE COMPLETED BY M.E.P. ENGINEER. DOMESTIC WATER PIPE SIZES WILL DETERMINE THE FINAL WATER METERING OPTIONS. METER MAY BE SMALLER THAN PROPOSED WATER MAIN. WATER METERING, PRESSURE REDUCER AND BACKFLOW PREVENTION TO BE IN ACCORDANCE WITH THE PORTLAND WATER DISTRICT STANDARDS. CONTRACTOR TO FOLLOW METERING GUIDELINES OF THE PORTLAND WATER DISTRICT AND CITY OF PORTLAND.
8. GAS UTILITIES: CONTRACTOR TO VERIFY SIZE, LOCATION, AND CONDITION OF EXISTING GAS LINE. IF NEW GAS LINE IS NEEDED, PROJECT GAS LOAD, GAS UTILITY DESIGN, AND FINAL GAS SERVICE LOCATION AND METERS TO BE DEFINED BY M.E.P. AND IN ACCORDANCE WITH UNITIL.
9. ELECTRIC UTILITIES: EXISTING ELECTRIC UTILITIES TO REMAIN. ELECTRIC DESIGN TO BE FINALIZED BY M.E.P. ENGINEER. ELECTRICAL LOAD TO BE DETERMINED BY M.E.P. ENGINEER. METER LOCATION AND TRANSFORMER SIZE, IF NECESSARY DEFINED BY M.E.P. M.E.P. TO FINALIZE SERVICE CONNECTION TO BUILDING. ALL ELECTRIC CONSTRUCTION SHALL CONFORM TO CMP GUIDEBOOK OF STANDARD REQUIREMENTS, MOST RECENT EDITION. DESIGN SUBJECT TO FINAL APPROVAL FROM CMP.
10. IF NEEDED, LOCATIONS OF NEW CABLE AND TELEPHONE PULLBOXES AND PEDESTALS SHALL BE DETERMINED BY CHARTER COMMUNICATIONS AND FAIRPOINT PRIOR TO CONSTRUCTION.
11. ALL UTILITIES SHOWN ON THE CIVIL PLANS, BUT NOT DEPICTED ON THE EXISTING CONDITIONS PLAN ARE FROM THE CITY OF PORTLAND GIS SYSTEM.

LEGEND	
HATCH STYLE	ASSOCIATED AREAS
	UTILITY CUT

MINIMUM HORIZONTAL UTILITY SEPARATION

UTILITY	UGE/T/C	WATER	SEWER	GAS	STORMWATER
UGE/T/C	–	6'	1' RADIAL	4'	1' RADIAL
WATER	6'	–	5'*	6'	3'
SEWER	1' RADIAL	5'*	–	5'	10'
GAS	4'	6'	5'	–	3'
STORMWATER	1' RADIAL	3'	10'	3'	–

*PERMISSIBLE ONLY IF SEWER IS LAID MIN. 18" BELOW WATER SERVICE; OTHERWISE, 10' OF HORIZONTAL SEPARATION MUST BE MAINTAINED.

ISSUED FOR	BY	DATE
CITY APP.	WHS	2/26/18
SITE UPDATES	WHS	3/16/18

DRAWING NAME: UTILITY PLAN

PROJECT NAME: 82 HANOVER STREET REDEVELOPMENT

CLIENT: TOM WATSON & CO., LLC
PORTLAND, ME

ACORN ENGINEERING, INC.

THIS PLAN SHALL NOT BE MODIFIED WITHOUT WRITTEN PERMISSION FROM ACORN ENGINEERING, INC. ANY MODIFICATIONS MADE WITHOUT PERMISSION OR OTHERWISE, SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO ACORN ENGINEERING, INC.

ACORN ENGINEERING, INC.
158 DANFORTH STREET, PORTLAND, MAINE 04102
(207) 775-2655

FILE:	1093_CIV
JN:	1093
SCALE:	1"=20'
DESIGNED BY:	WHS
DRAWN BY:	ADG
CHECKED BY:	WHS

DRAWING NO.
C-20