

- GENERAL NOTES:**
- WATER UTILITIES:** 8" PARENT SERVICE TAPPING SLEEVE TO BE AT LEAST 3' EDGE TO EDGE FROM EXISTING FIRE HYDRANT TEE AND MAIN LINE VALVE. ALL SLIP JOINTS ON THE SERVICE LINE SHALL BE FIELD LOK GASKETS. 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 EXISTING 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.
 - ELECTRIC UTILITIES:** ELECTRIC DESIGN TO BE FINALIZED BY M.E.P. ENGINEER. ELECTRICAL LOAD, METER LOCATION, AND TRANSFORMER SIZE TO BE DEFINED BY M.E.P. ENGINEER; FINAL TRANSFORMATION PAD LOCATION NOT TO IMPACT NEW POLE GUY WIRE. FINAL UTILITY POLE LOCATION TO BE DETERMINED WITH COORDINATION AND APPROVAL FROM CMP. TELEPHONE/CABLE SERVICES TO BYPASS TRANSFORMER; M.E.P. TO FINALIZE ALL NEW SERVICE CONNECTIONS TO THE BUILDING. ALL ELECTRIC CONSTRUCTION SHALL CONFORM TO CMP GUIDEBOOK OF STANDARD REQUIREMENTS, MOST RECENT EDITION. DESIGN SUBJECT TO FINAL APPROVAL FROM CMP.
 - SEWER UTILITIES:** CONTRACTOR TO CONFIRM EXACT LOCATION OF EXISTING DOMESTIC SERVICE. EXISTING SERVICE TO REMAIN AND BE USED FOR ROOF DRAIN RUNOFF CONVEYANCE. PROPOSED SEWER SERVICE TO BE INSTALLED A MIN 10' FROM ROOF DRAIN. SEWER UTILITIES TO BE CONSTRUCTED IN ACCORDANCE WITH CITY OF PORTLAND TECHNICAL STANDARDS. VALVE FOR BACKFLOW PREVENTION SHALL BE INSTALLED WITHIN THE PROPERTY LINES FOR EACH CITY SEWER CONNECTION. CONTACT ENGINEER IF FIELD CONDITIONS FROM INVERT VARY FROM DESIGN.
 - CABLE AND TELEPHONE PULLBOXES AND PEDESTAL LOCATIONS** TO BE DETERMINED BY CHARTER COMMUNICATIONS AND FAIRPOINT PRIOR TO CONSTRUCTION. CONTRACTOR TO COORDINATE.

MINIMUM HORIZONTAL UTILITY SEPARATION

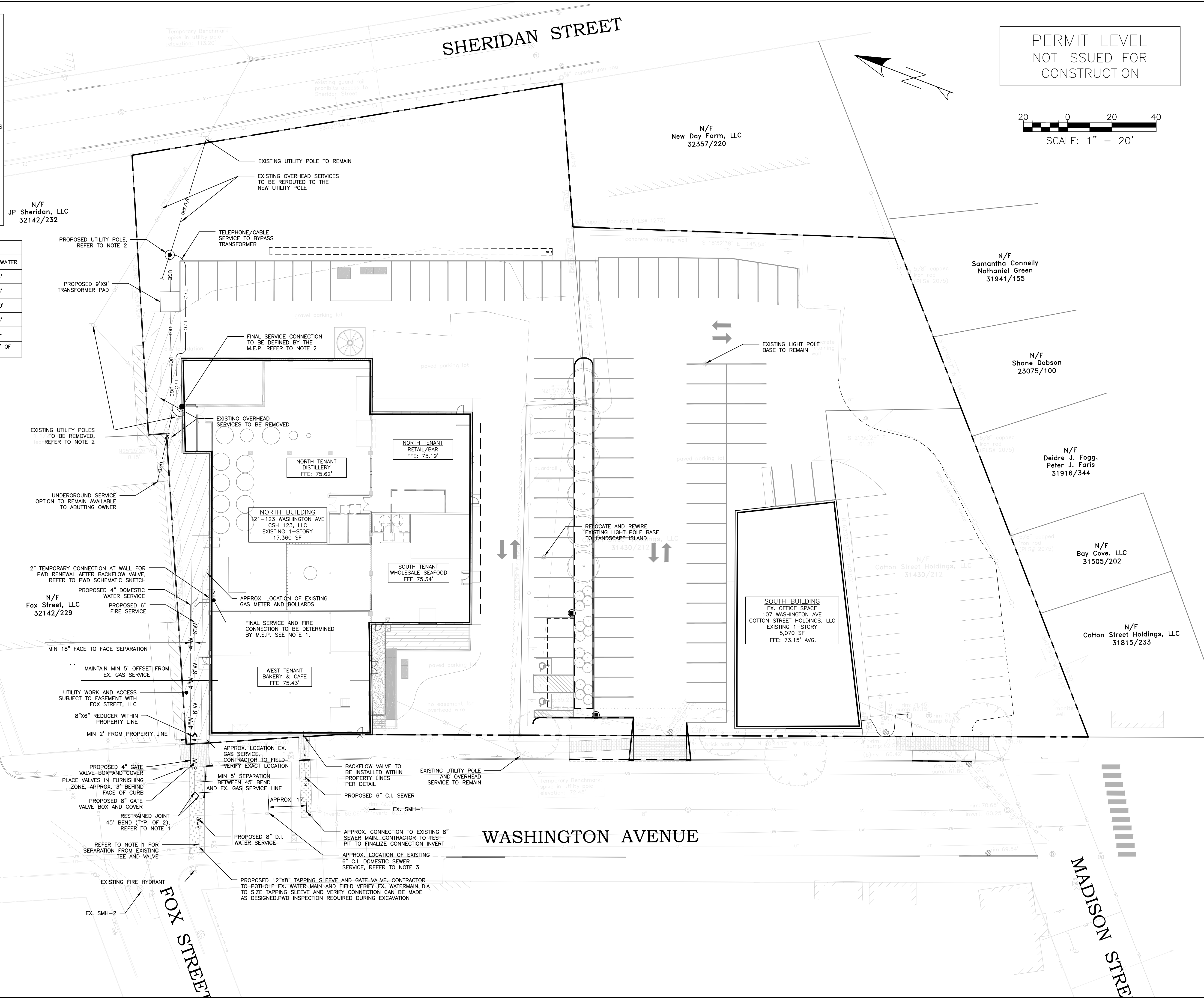
UTILITY	UGE/T/C	WATER	SEWER	GAS	STORMWATER
UGE/T/C	-	6'	5'	4'	6'
WATER	6'	-	5*	5'	3'
SEWER	5'	5*	-	5'	10'
GAS	4'	5'	5'	-	3'
STORMWATER	6'	3'	10'	3'	-

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

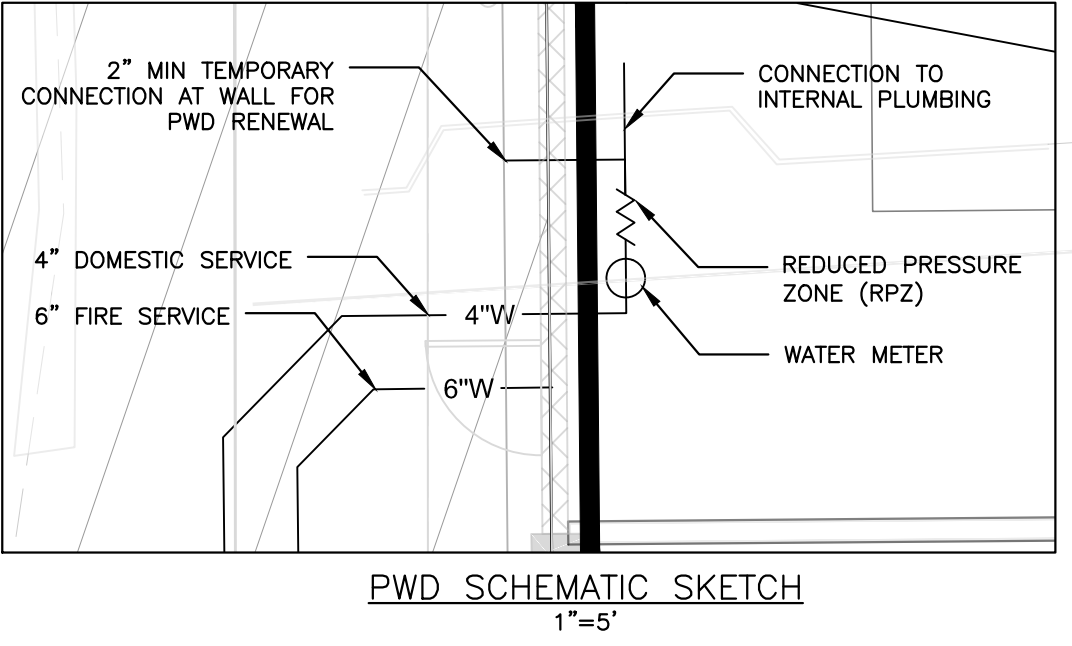
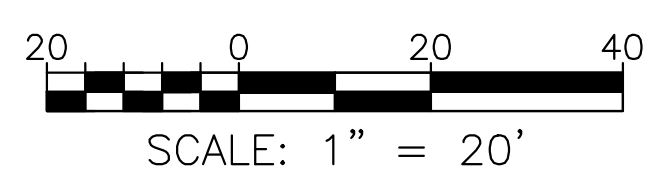
EXISTING STRUCTURE SUMMARY

	RIM	INV. IN	INV. OUT
EX. SMH-1*	72.56'	65.06'	65.06'
EX. SMH-2**	74.16'	63.52' (8" PVC) 62.80' (15" PVC)	62.48'

*AS IDENTIFIED BY EXISTING CONDITIONS SURVEY BY TITCOMB ASSOCIATES, DATED NOVEMBER 26, 2016
 **AS DEFINED BY WASHINGTON AVENUE SEWER REHAB PROPOSED CONSTRUCTION PLAN BY CITY OF PORTLAND, MAINE PUBLIC WORKS DEPARTMENTS, ENGINEERING SECTION DATED APRIL 2006



PERMIT LEVEL
NOT ISSUED FOR
CONSTRUCTION



ISSUED FOR: _____ BY DATE: _____
 COMMENT RESPONSE: _____
 BUILDING PERMIT: _____

UTILITY PLAN

PROJECT NAME: **WASHINGTON AVE. PARKING LOT REDEVELOPMENT**

CLIENT: **CSH 123, LLC**
 75 WASHINGTON AVE., SUITE 2H, PORTLAND, MAINE 04101

DRAWING NO. **C-20**

FILE: 1076_CIVIL
 JN: 1076
 SCALE: 1"=20'
 DESIGNED BY: WHS
 DRAWN BY: OJD
 CHECKED BY: WHS

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

STATE OF MAINE
 WILLIAM SAVAGE
 REGISTERED PROFESSIONAL ENGINEER
 No. 11419
 EXPIRES 12/31/2024