1 | SHOWER ARM DETAIL
SCALE: NONE

2 | COLD WATER ENTRANCE DETAIL
SCALE: NONE

3 | CONNECTION TO EXISTING COMBINED STORM/SANITARY DETAIL
SCALE: NONE

4 | PIPING SCHEMATIC AT WATER HEATERS
SCALE: NONE

5 | PIPING SCHEMATIC AT KITCHEN WATER HEATER
SCALE: NONE

DUPLEX SEWAGE PUMP STATION

SCOPE: FURNISH AND INSTALL A FACTORY ASSEMBLED SUBMERSIBLE SEWAGE DUPLEX STAINLESS RAIL SYSTEM. THE PACKAGE SHALL CONSIST OF A FIBERGLASS BASIN, SLIDE RAIL ASSEMBLIES, DISCHARGE PIPING AND FITTINGS, CHECK VALVES, CUTOFF VALVES, LEVEL CONTROLS, NON-CLOG SUBMERSIBLE PUMPS, CONTROL PANEL AND ALL OTHER NECESSARY ACCESSORIES EQUAL TO THE FOLLOWING:

PUMPS: SUBMERSIBLE NON-CLOG PUMPS SHALL BE EQUAL TO "BARNES" SERIES "SEV" MODEL NO 2SEV7246, 2" NPT VERTICAL DISCHARGE, 3/4 H.P., 1750 RPM, MECHANICAL SHAFT SEALS IN SEPARATE OIL FILLED RESERVOIR, MOISTURE SENSORS, AND 20 FT POWER CABLES. EACH PUMP CAPABLE OF DELIVERING 85 GPM AT 22 FT TDH AND CAPABLE OF 2" SPHERICAL SOLIDS HANDLING.

PACKAGE DESIGN: THE BASIN DIAMETER SHALL BE 48 INCHES WITH DEPTH OF 7 FEET. CONSTRUCTION SHALL BE MOLDED FIBERGLASS REINFORCED POLYESTER RESIN WITH INTERIOR SURFACE TO BE GEL-COATED FROM 10 TO 20 MIL THICK. AN ANTI-FLOATATION COLLAR SHALL BE PROVIDED AS PART OF THE BASIN ASSEMBLY. PROVIDE 4" INLET FITTING FOR FIELD MOUNTING, 2" OUTLET. BASIN SHALL BE EQUAL TO STEELE PLASTICS, INC.

THE BASIN COVER SHALL BE OF STEEL CONSTRUCTION WITH A MINIMUM THICKNESS OF 1/4", DOUBLE HINGED ACCESS DOORS WITH LOCKING DEVICE. ALL HARDWARE SHALL BE STAINLESS STEEL.

THE SLIDE RAIL ASSEMBLY SHALL CONSIST OF A CAST IRON BASE ELBOW WHICH IS BOLTED TO THE FLOOR OF THE WET WELL. THE STATIONARY AND MOVABLE PORTIONS ARE HYDRAULICALLY SEALED WITH AN O-RING. STAINLESS STEEL GUIDE RAILS ARE ATTACHED TO THE COVER FRAME. A STAINLESS CABLE SHALL BE PROVIDED FOR PUMP INSTALLATION AND REMOVAL.

A 2" TRU-UNION FULL PORT BALL VALVE SHALL BE INSTALLED IN THE DISCHARGE OF EACH PUMP TO PROVIDE SHUT OFF CAPABILITIES DURING PUMP REMOVAL. THE EXTENSION HANDLE SHALL EXTEND UP TO WITHIN 6" OF TOP OF BASIN.

A QUANTITY OF FOUR LIQUID LEVEL CONTROLS WITH SJOW-A CABLE SHALL BE PROVIDED TO CONTROL THE OPERATION OF THE PUMPS AND HIGH WATER ALARM. THE LEVEL SENSORS SHALL BE MERCURY TYPE PILOT DUTY DEWSED MOUNTED IN A CORROSION RESISTANT POLYPROPYLENE HOUSING (WEIGHTED TYPE). THE FLOATS WILL BE ATTACHED TO A STAINLESS STEEL FLOAT BRACKET.

A DUPLEX CONTROL PANEL SHALL BE FURNISHED IN A NEMA-3R ENCLOSURE INCLUDING MASTER DISCONNECT, MAGNETIC CONTACTORS, O.L. PROTECTION, HOA SWITCHES, RUN LIGHTS, ALTERNATOR AND HIGH WATER ALARM AUDIBLE/LIGHT AND SILENCING SWITCH. AUDIBLE/LIGHT AND SILENCING SWITCH.

SEE ELECTRICAL PLANS FOR VOLTAGE.

6 | DUPLEX SEWAGE PUMP DETAIL AND SPECIFICATION
SCALE: NONE

Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 01/22/14

Prepared For:
119 Development, LLC
P.O. Box 7468
Portland, ME 04112

Consultant:
CRABTREE ENGINEERING
278 AMELIA COVE
COLLIERVILLE, TN. 38017
PLUMBING: bobbygookin@gmail.com

Architect:
ARCHETYPE Architects
48 Union Wharf Portland, Maine 04101
(207) 772-6022 Fax (207) 772-4056

Project:
PRESS HOTEL
390 CONGRESS STREET
PORTLAND, ME 04101

Revisions:

1	13_10-14	Issue for Bid & Marriott Revw
2	13_10-21	Addendum #2
3	13_10-31	Addendum #3

Scale: AS NOTED

Date: 13 October 2013

PLUMBING DETAILS

P9.01