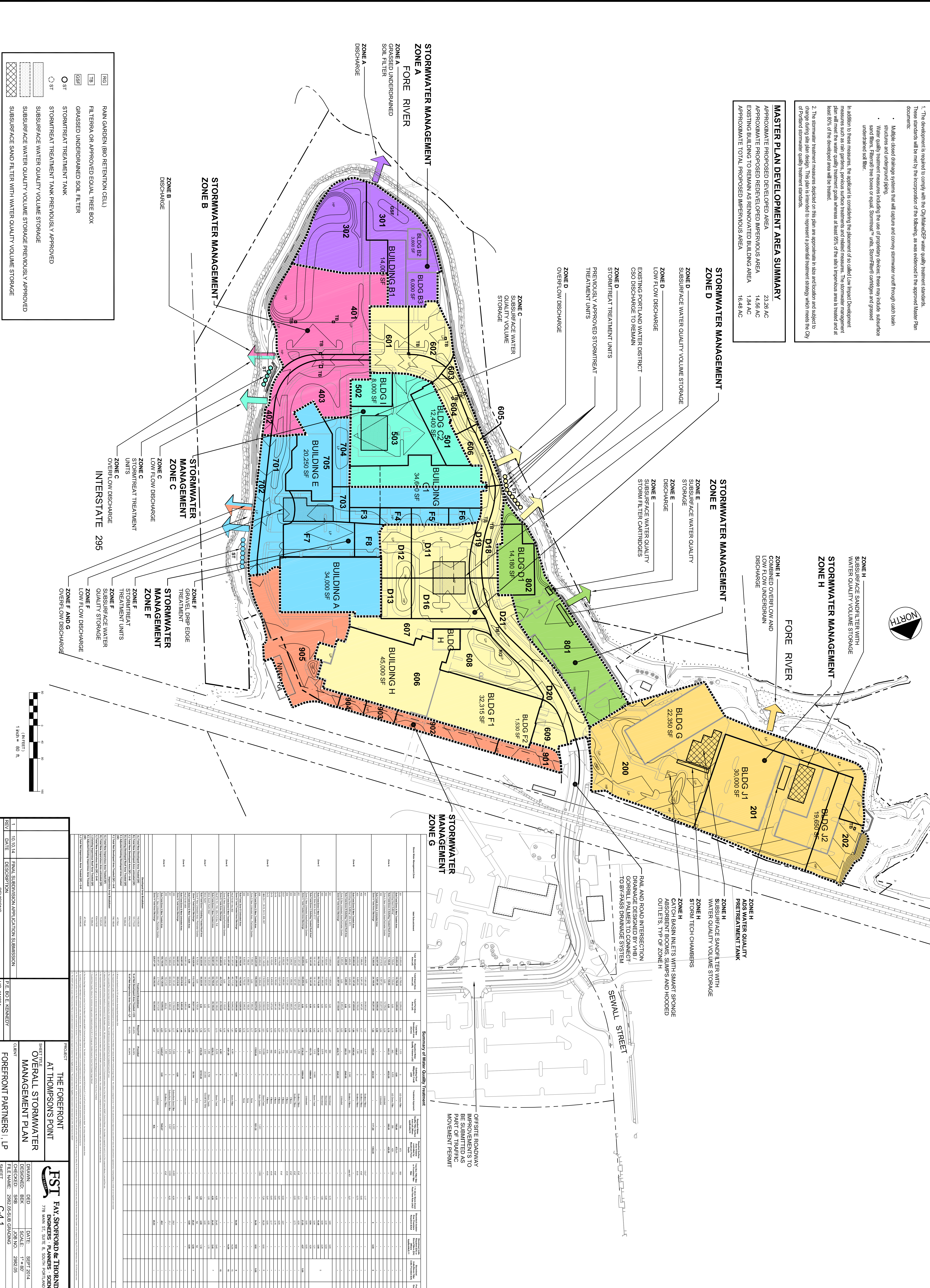


**NOTES:**

- The development is required to comply with the City/Multi-DEP water quality treatment standards. These standards will be met by the incorporation of the following, as was evidenced in the approved Master Plan documents:
  - Multiple closed drainage systems that will capture and convey stormwater runoff through catch basin structures and underground piping.
  - Water quality treatment measures including the use of proprietary devices, these may include subsurface sand filters, Filtered Tree Boxes or equal, StormFilt™ units, StormFilt® cartridges and grassed underdrained soil filter.
- In addition to these measures, the applicant is considering the placement of so called Low Impact Development measures such as rain gardens, pervious surface treatments and related measures. The stormwater management plan will meet the water quality treatment goals whereas at least 55% of the site's impervious area is treated and at least 80% of the developed area will be treated.
- The stormwater treatment measures depicted on this plan are approximate in size and location and subject to engineering site plan design. This plan is intended to represent a potential treatment strategy which meets the City of Portland Stormwater quality treatment standards.

**MASTER PLAN DEVELOPMENT AREA SUMMARY**

APPROXIMATE PROPOSED DEVELOPED AREA	23.26 AC
APPROXIMATE PROPOSED REDEVELOPED IMPERVIOUS AREA	14.56 AC
EXISTING BUILDING TO REMAIN AS RENOVATED BUILDING AREA	1.84 AC
APPROXIMATE TOTAL PROPOSED IMPERVIOUS AREA	16.48 AC



**Summary of Water Quality Treatment**

Zone	Building	Area (SF)	Impervious Area (SF)	Treatment Type	Volume (GAL)	Flow Rate (GPM)	Retention Time (min)	Efficiency (%)
Zone A	BLDG A	34,000	34,000	Stormwater Tank	100,000	100	15	90
	BLDG B1	14,000	14,000	Stormwater Tank	50,000	50	15	90
	BLDG B2	3,800	3,800	Stormwater Tank	15,000	15	15	90
	BLDG B3	6,000	6,000	Stormwater Tank	25,000	25	15	90
	BLDG C1	34,600	34,600	Stormwater Tank	100,000	100	15	90
	BLDG C2	12,400	12,400	Stormwater Tank	45,000	45	15	90
	BLDG D1	14,180	14,180	Stormwater Tank	50,000	50	15	90
	BLDG D2	1,550	1,550	Stormwater Tank	5,000	5	15	90
	BLDG E	20,250	20,250	Stormwater Tank	70,000	70	15	90
	BLDG F1	32,315	32,315	Stormwater Tank	100,000	100	15	90
Zone B	BLDG G	22,350	22,350	Stormwater Tank	75,000	75	15	90
	BLDG H	45,000	45,000	Stormwater Tank	150,000	150	15	90
	BLDG I	8,000	8,000	Stormwater Tank	30,000	30	15	90
	BLDG J1	30,000	30,000	Stormwater Tank	100,000	100	15	90
	BLDG J2	19,650	19,650	Stormwater Tank	65,000	65	15	90
	BLDG K1	5,000	5,000	Stormwater Tank	18,000	18	15	90
	BLDG K2	3,000	3,000	Stormwater Tank	11,000	11	15	90
	BLDG L1	2,000	2,000	Stormwater Tank	7,000	7	15	90
	BLDG L2	1,500	1,500	Stormwater Tank	5,000	5	15	90
	BLDG L3	1,000	1,000	Stormwater Tank	3,500	3.5	15	90

**PROJECT:** THE FOREFRONT AT THOMPSONS POINT

**SHEET TITLE:** OVERALL STORMWATER MANAGEMENT PLAN

**CLIENT:** FOREFRONT PARTNERS, LP

**DESIGNED:** BERK

**CHECKED:** SRB

**DATE:** SEPT 2014

**SCALE:** 1" = 80'

**JOB NO.:** 2882.05

**FILE NAME:** 2882.05-SUB GRADING

**SHEET:** C-4.1

**REVISIONS:**

REV	DATE	DESCRIPTION
1	10.10.14	FINAL SUBMISSION APPLICATION SUBMISSION

**DESIGNED BY:** P.E. BO E. KENNEDY

**PROJECT LOCATION:** ILC #11994

**PROJECT ADDRESS:** 770 MAIN ST, SUITE 50 SOUTH PORTLAND, ME 04106

**ENGINEER:** FST FAY, SHOFFERD & THORNDIKE, INC.