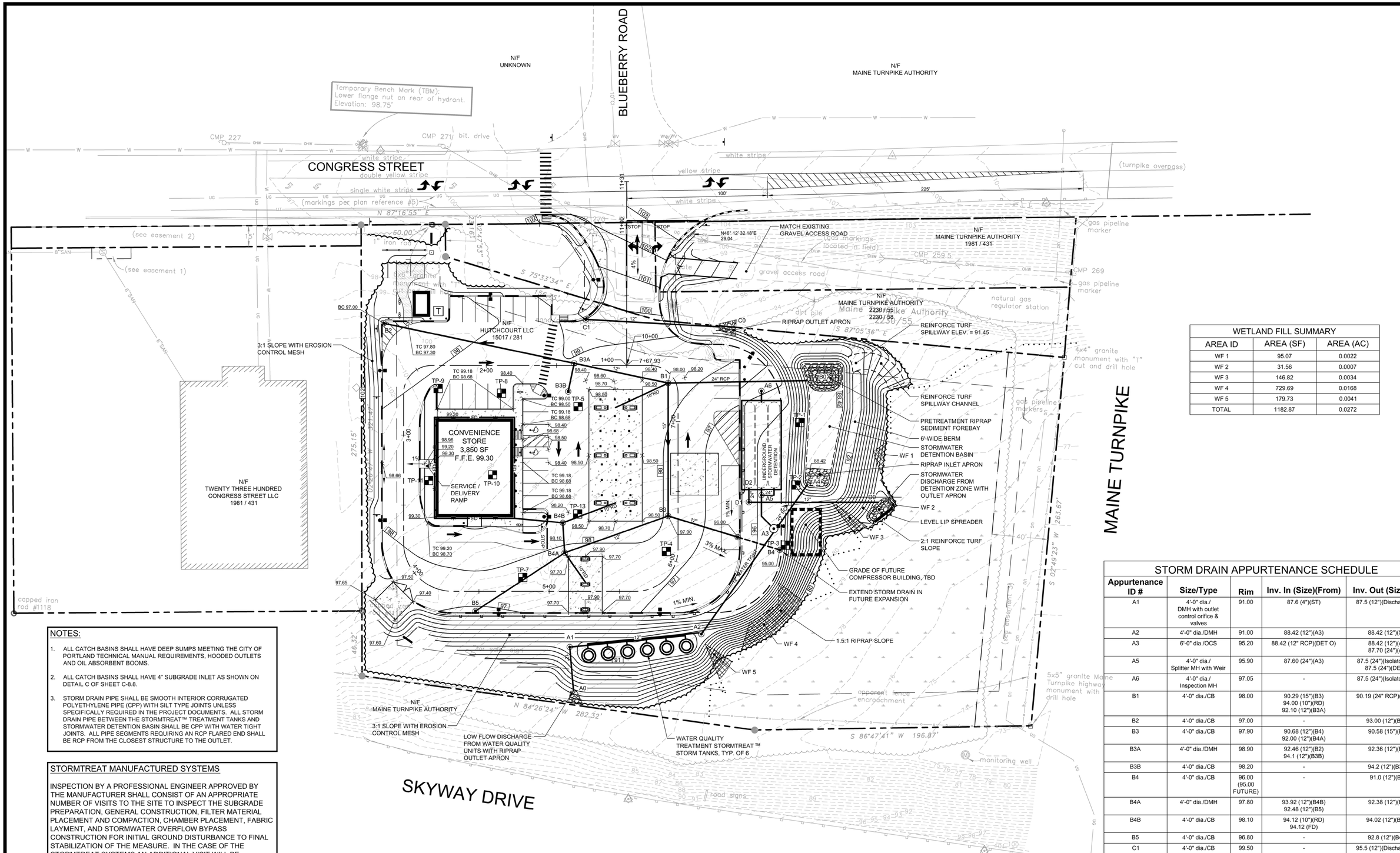

NOTES:

1. ALL CATCH BASINS SHALL HAVE DEEP SUMPS MEETING THE CITY OF PORTLAND TECHNICAL MANUAL REQUIREMENTS, HOODED OUTLETS AND OIL ABSORBENT BOOMS.
2. ALL CATCH BASINS SHALL HAVE 4" SUBGRADE INLET AS SHOWN ON DETAIL C OF SHEET C-8.8.
3. STORM DRAIN PIPE SHALL BE SMOOTH INTERIOR CORRUGATED POLYETHYLENE PIPE (CPP) WITH SILT TYPE JOINTS UNLESS SPECIFICALLY REQUIRED IN THE PROJECT DOCUMENTS. ALL STORM DRAIN PIPE BETWEEN THE STORMTREAT™ TREATMENT TANKS AND STORMWATER DETENTION BASIN SHALL BE CPP WITH WATER TIGHT JOINTS. ALL PIPE SEGMENTS REQUIRING AN RCP FLARED END SHALL BE RCP FROM THE CLOSEST STRUCTURE TO THE OUTLET.

STORMTREAT MANUFACTURED SYSTEMS

INSPECTION BY A PROFESSIONAL ENGINEER APPROVED BY THE MANUFACTURER SHALL CONSIST OF AN APPROPRIATE NUMBER OF VISITS TO THE SITE TO INSPECT THE SUBGRADE PREPARATION, GENERAL CONSTRUCTION, FILTER MATERIAL PLACEMENT AND COMPACTION, CHAMBER PLACEMENT, FABRIC LAYMENT, AND STORMWATER OVERFLOW BYPASS CONSTRUCTION FOR INITIAL GROUND DISTURBANCE TO FINAL STABILIZATION OF THE MEASURE. IN THE CASE OF THE STORMTREAT SYSTEMS AN ADDITIONAL VISIT WILL BE NECESSARY TO SET THE UNIT'S PEAK OUTFLOW RATE APPROPRIATELY TO NO MORE THAN TWO GALLONS PER MINUTE PER TANK.

LEGEND

TP-1 — TEST PITS OBSERVED BY S.W. COLE ON MARCH 21, 2013

(IN FEET)
1 inch = 30 ft.

NORTH

PRELIMINARY - NOT FOR CONSTRUCTION

WETLAND FILL SUMMARY

AREA ID	AREA (SF)	AREA (AC)
WF 1	95.07	0.0022
WF 2	31.56	0.0007
WF 3	146.82	0.0034
WF 4	729.69	0.0168
WF 5	179.73	0.0041
TOTAL	1182.87	0.0272

STORM DRAIN APPURTENANCE SCHEDULE

Appurtenance ID #	Size/Type	Rim	Inv. In (Size)(From)	Inv. Out (Size)(To)
A1	4'-0" dia./ DMH with outlet control orifice & valves	91.00	87.6 (4")(ST)	87.5 (12")(Discharge #1)
A2	4'-0" dia./DMH	91.00	88.42 (12")(A3)	88.42 (12")(ST)
A3	6'-0" dia./OCS	95.20	88.42 (12" RCP)(DET O)	88.42 (12")(A2) 87.70 (24")(A5)
A5	4'-0" dia./ Splitter MH with Weir	95.90	87.60 (24")(A3)	87.5 (24")(Isolator Row) 87.5 (24")(DET 2)
A6	4'-0" dia./ Inspection MH	97.05	-	87.5 (24")(Isolator Row)
B1	4'-0" dia./CB	98.00	90.29 (15")(B3) 94.00 (10")(RD) 92.10 (12")(B3A)	90.19 (24" RCP)(DET 0)
B2	4'-0" dia./CB	97.00	-	93.00 (12")(B3A)
B3	4'-0" dia./CB	97.90	90.68 (12")(B4) 92.00 (12")(B4A)	90.58 (15")(B1)
B3A	4'-0" dia./DMH	98.90	92.46 (12")(B2) 94.1 (12")(B3B)	92.36 (12")(B1)
B3B	4'-0" dia./CB	98.20	-	94.2 (12")(B3A)
B4	4'-0" dia./CB	96.00 (95.00 FUTURE)	-	91.0 (12")(B3)
B4A	4'-0" dia./DMH	97.80	93.92 (12")(B4B) 92.48 (12")(B5)	92.38 (12")(B3)
B4B	4'-0" dia./CB	98.10	94.12 (10")(RD) 94.12 (FD)	94.02 (12")(B4A)
B5	4'-0" dia./CB	96.80	-	92.8 (12")(B4A)
C1	4'-0" dia./CB	99.50	-	95.5 (12")(Discharge #3)
D1	4'0" dia./OCS	96.10	87.5 (24")(DET 2)	86.3 (12")(Discharge #2)

REV	DATE	DESCRIPTION
4	05.03.13	REVISED AND RESUBMITTED TO CITY
3	04.18.13	REVISED PER CITY STAFF COMMENTS
2	04.09.13	SUBMITTED TO MEDEP STORMWATER DISCHARGE PERMIT
1	03.28.13	SUBMITTED TO CITY OF PORTLAND

REVISIONS

STATE OF MAINE — STEPHEN P. BUSHEY — 7429 — REGISTERED PROFESSIONAL ENGINEER

P.E. STEPHEN BUSHEY
LIC. # 7429

PROJECT
MULTI-USE DEVELOPMENT
2282 CONGRESS ST., PORTLAND, ME

SHEET TITLE
GRADING AND DRAINAGE PLAN

CLIENT
CJ DEVELOPERS, INC.
35 PRIMROSE LANE, FREEPORT, MAINE 04032
AND PORTLAND PROPERTY HOLDINGS, LLC
2 MAIN STREET, SUITE 200, TOPSHAM, MAINE 04086

DeLUCA-HOFFMAN ASSOCIATES, INC.
778 MAIN STREET, SUITE 8
SOUTH PORTLAND, ME 04106
207.775.1121
WWW.DELUCAHOFFMAN.COM

DRAWN:	CMW	DATE:	MAR. 2013
DESIGNED:	SRB	SCALE:	1" = 30'
CHECKED:	SRB	JOB NO.	3118
FILE NAME:	3118-SP		

SHEET C-3.0