

CORE AND CONNECT TO EXISTING CB
 12" SD
 L = 21'
 S = 0.005
 NYLOPLAST CB 'C1'
 RIM = 9.70
 12" INV. OUT = 7.20
 STORMWATER MANAGEMENT AREA

BENCHMARK: ALUMINUM DISK
 STAMPED L & S.D.1. RESET 1997
 ELEVATION: 12.67 (NOV. 1929)

12" SD
 L = 181'
 S = 0.005

4" DIA. OVERFLOW STRUCTURE 'B1' WITH PLASTIC SOLUTIONS 'STORMTRAX' TRASH RACK, RIM 9.80
 INV. OUT = 7.80

ADJUST RIM TO GRADE. CORE AND CONNECT TO EXISTING MANHOLE. INSTALL BACKWATER VALVE ON BOTH 12" CONNECTIONS
 INV. IN = 6.90
 INV. IN = 6.90

REMOVE COVER AND REPLACE WITH NEW SOLID FRAME AND COVER SYSTEM (H2O LOADING)

PROPOSED 5/8" DMH WITH RAIN GUARD. INSERT ON EXISTING 24" CSO LINE. RIM = 9.0. VERIFY INVERTS IN FIELD. INSTALL 12" BACKWATER VALVE

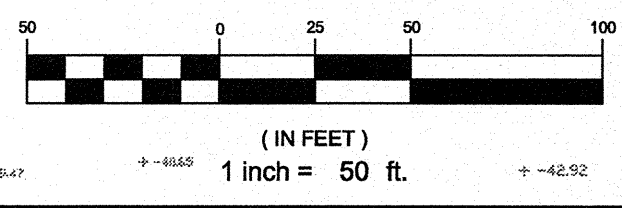
STORMWATER MANAGEMENT AREA FOR COLLECTION AND INFILTRATION OF RUNOFF

12" SD
 L = 8'
 S = 0.005

30'-0" WIDE RIPRAP EMERGENCY SPILLWAY, CREST ELEV. 10.10

4" DIA. OVERFLOW STRUCTURE 'D1' WITH PLASTIC SOLUTIONS 'STORMTRAX' TRASH RACK, RIM 9.80
 INV. OUT = 7.80

WASHDOWN COLLECTION INLET 'E1' PUMPED TO ABOVE GROUND STORAGE TANKS, TYP. RIM = 10.80



REV	DATE	DESCRIPTION
5	12.05.12	REVISED AND RESUBMITTED TO CITY
4	11.30.12	PROGRESS PLAN TO CLIENT FOR REVIEW
3	11.09.12	REVISED FLOAT LAYOUT / ISSUED TO HARBOR COMMISSION / DEP / ACOE
2	10.31.12	FINAL SITE PLAN APPLICATION SUBMISSION
1	08.10.12	SUBMITTED TO CLIENT FOR REVIEW

STATE OF MAINE
 REGISTERED PROFESSIONAL ENGINEER
 STEPHEN R. BUSHEY
 No. 7492
 P.E. STEPHEN R. BUSHEY
 LIC. #7429

PROJECT
CANAL LANDING
 SHEET TITLE
**GRADING AND DRAINAGE PLAN
 PHASE 1**
 CLIENT
NEW YARD LLC
 58 FORE STREET
 PORTLAND, ME 04101

DeLUCA-HOFFMAN ASSOCIATES, INC.
 778 MAIN STREET, SUITE 8
 SOUTH PORTLAND, ME 04108
 207.775.1121
 WWW.DELUCAHOFFMAN.COM
 DRAWN: CMW DATE: APR 2012
 DESIGNED: RJW SCALE: 1" = 50'
 CHECKED: SRB JOB NO. 3091
 FILE NAME: 3091-GRADING-ALT
 SHEET **C-3.1**