PLAN VIEW

SECTION VIEW A-A

SEE SCHEDULE A FOR DIMENSIONAL INFORMATION FOR GRAVEL WETLAND BASIN CONSTRUCTION

(A) TYPICAL GRAVEL WETLAND BASIN DETAIL
N.T.S.

SCHEDULE A - SUBSURFACE GRAVEL WETLANDS			
I.D.	DESCRIPTION	GRAVEL WETLAND BASIN #1	GRAVEL WETLAND BASIN #2
(A)	STORM DRAIN INLET PIPE DIA. (IN.)	N/A	N/A
(B)	STORM DRAIN INLET PIPE INVERT EL.	N/A	N/A
(C)	INLET FOREBAY PLUNGE POOL BOTTOM EL.	68.5	68.40
(D)	INLET FOREBAY PLUNGE POOL SPILLWAY EL.	69.5	69.5
(E)	GRAVEL WETLAND SURFACE EL.	68.5	68.5
(F)	GRAVEL WETLAND BOTTOM SUBGRADE EL.	65.58	65.58
(G)	15" DIAMETER RISER RIM EL.	69.5	69.5
(H)	6" DIAMETER SUBDRAIN HEADER PIPE INVERT EL.	65.83	65.83
(I)	12" DIAMETER CLEANOUT RIM EL.	68.5	68.5
(J)	INTERNAL BERM BYPASS SPILLWAY EL.	69.0	69.0
(K)	INTERNAL BERM MINIMUM TOP EL.	70.0	70.0
(L)	HIGH LEVEL OUTLET PIPE DIAMETER (IN.)	12"	N/A
(M)	HIGH LEVEL OUTLET PIPE INVERT EL.	68.5	N/A
(N)	EMERGENCY SPILLWAY CHANNEL EL.	N/A	69.0
(O)	CONTAINMENT BERM MINIMUM TOP EL.	70.00	71.00
(P)	STORM DRAIN OUTLET PIPE DIAMETER	12"	12"

USE THIS SCHEDULE FOR DETAIL A

(D) SCHEDULE A SUBSURFACE GRAVEL WETLANDS
N.T.S.

GRAVEL WETLAND #1
OUTLET CONTROL STRUCTURE PLAN VIEW
N.T.S.
SEE SCHEDULE B

SCHEDULE B OUTLET CONTROL STRUCTURE			
	ITEM DESCRIPTION	DIMENSION/ELEVATION GRAVEL WETLAND #1	DIMENSION/ELEVATION GRAVEL WETLAND #2
(A)	TOP OF STRUCTURE	71.34	71.00
(B)	UNDERSIDE TOP SLAB	70.67	70.33
(C)	TOP CONCRETE BULKHEAD	69.50	N/A
(D)	WEIR ELEVATION	69.00	N/A
(E)	BOTTOM OF SUMP	65.00	65.00
(F)	BOTTOM OF STRUCTURE	64.00	64.00
(G)	UD INLET WITH ECCENTRIC ORIFICE DIA.	6"	6"
(H)	UD INLET INVERT	65.83	65.83
(I)	HIGH LEVEL INLET PIPE DIAMETER	12"	–
(J)	HIGH LEVEL OUTLET INVERT	68.50	N/A
(K)	CONTROL STRUCTURE OUTLET PIPE INV.	68.17	68.17
(L)	CONT. STR. OUTLET PIPE DIAMETER	12"	12"
(M)	ORIFICE DIAMETER	0.95"	1.4"
(N)	RIM ELEVATION	71.88	71.50
(O)	ORIFICE INVERT	65.83	65.83

USE THIS SCHEDULE FOR DETAILS B, C, F, G, H

NOTE:
PRIMARY OUTLET FOR GRAVEL WETLAND #2 TO BE BROAD CRESTED WEIR

(E) SCHEDULE B OUTLET CONTROL STRUCTURE
N.T.S.

GRAVEL WETLAND #1
OUTLET CONTROL STRUCTURE SECTION A-A
N.T.S.
SEE SCHEDULE B

GRAVEL WETLAND #2
OUTLET CONTROL STRUCTURE PLAN VIEW
N.T.S.
SEE SCHEDULE B

GRAVEL WETLAND #2
OUTLET CONTROL STRUCTURE SECTION A-A
N.T.S.
SEE SCHEDULE B

GRAVEL WETLAND #2
FLOW CONTROL PANEL WEIR SECTION
N.T.S. (SEE DETAIL 'C' ON SHEET C-6.2 FOR WALL ELEVATION DETAIL)

GRAVEL WETLAND #1
OUTLET CONTROL STRUCTURE SECTION A-A
N.T.S.
SEE SCHEDULE B

REV	DATE	DESCRIPTION
4	08.11.14	RELEASED TO CITY - FINAL PLANS
3	07.03.14	FINAL PLAN SUBMISSION TO CITY PER CONDITIONS OF APPROVAL
2	04.17.14	FINAL PLAN SUBMISSION TO CITY
1	02.10.14	SUBMITTED TO CITY OF PORTLAND

REVISIONS

STATE OF MAINE STEPHEN A. BUSHEY No. 7429 LICENSED PROFESSIONAL ENGINEER

P.E. STEPHEN BUSHEY
LIC. # 7429

PROJECT: PH WARREN AVENUE, LLC
COMMERCIAL SITE
421 WARREN AVENUE

SHEET TITLE: GRAVEL WETLAND DETAILS

CLIENT: PH WARREN AVENUE, LLC
C/O PETER HOLMES
12 WILDWOOD LANE
SCARBOROUGH, ME 04074

ENGINEERS FST Since 1914
FAY, SPOFFORD & THORNDIKE, INC.
ENGINEERS · PLANNERS · SCIENTISTS
778 MAIN ST, SUITE 8, SOUTH PORTLAND, ME 04106

DRAWN:	CMW	DATE:	NOVEMBER 2013
DESIGNED:	SRB	SCALE:	AS NOTED
CHECKED:	SRB	JOB NO.	SP-M104
FILE NAME:	SP-M104-DET		
SHEET	C-4.3		

Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 10/07/14

R:\SP-M104 Portland, ME Harbor Auto Body - Peter Holmes\Cadd\Permit Set\dwg\SP-M104-DET.dwg davis_d 8/11/2014 10:18 AM