(A) RIPRAP OUTLET APRON DETAIL

N.T.S.

NOTE: AS TAKEN FROM THE CITY OF PORTLAND "RULES AND REGULATIONS FOR EXCAVATION ACTIVITIES IN THE PUBLIC RIGHT OF WAY"

(D) PLAN VIEW OF MINOR EXCAVATION PAVEMENT REPAIR

N.T.S.

NOTE: AS TAKEN FROM THE CITY OF PORTLAND "RULES AND REGULATIONS FOR EXCAVATION ACTIVITIES IN THE PUBLIC RIGHT OF WAY"

(G) PLAN VIEW OF MAJOR EXCAVATION PAVEMENT REPAIR

N.T.S.

NOTE:
KEEP CONCRETE CLEAR OF PIPE JOINT, NUTS AND BOLTS

THRUST/RETAINER GLAND SCHEDULE		
¼ BEND	(90°)	USE POURED-IN-PLACE THRUST BLOCK WITH GRIPRING™ MECHANICAL JOINT RESTRAINT
⅛ BEND	(45°)	THRUST BLOCK W/ GRIPRING™
1/16 BEND	(22 ½°)	THRUST BLOCK W/ GRIPRING™
1/32 BEND	(11 ¼°)	THRUST BLOCK W/ GRIPRING™

THE ABOVE SCHEDULE IS SUBJECT TO THE APPROVAL OF THE ON-SITE INSPECTOR DUE TO SOILS AND WORKING PRESSURES IN THE AREA.

NOTES:

1. THE PORTLAND WATER DISTRICT MAY HAVE INSPECTION FEES AND REQUIRE OBSERVATION OF ALL PIPING INSTALLATION BEFORE BURIAL. REFER TO SPECIFICATIONS.
2. FOR WATER MAIN LAYOUT SEE DRAWING C-3.00
3. REFER TO SPECIFICATIONS FOR TESTING AND CHLORINATION REQUIREMENTS.
4. ALL HYDRANTS AND VALVES TO BE EPOXY COATED, NUTS & BOLTS TO BE STAINLESS STEEL.
5. SERVICE RODS FOR DOMESTIC SERVICE OR AIR VALVES TO BE STAINLESS STEEL.

(J) TYPICAL THRUST BLOCK PLACEMENT ON BENDS DETAIL

N.T.S.

(B) STABILIZED CONSTRUCTION ENTRANCE DETAIL

N.T.S.

NOTE: AS TAKEN FROM THE CITY OF PORTLAND "RULES AND REGULATIONS FOR EXCAVATION ACTIVITIES IN THE PUBLIC RIGHT OF WAY"

(E) PLAN VIEW OF MINOR EXCAVATION PAVEMENT REPAIR

N.T.S.

1. INSTALL POLY BARRIER BETWEEN PIPE AND ALL THRUST BLOCKS.
2. ANY MODIFICATION TO THRUST BLOCK SIZING OR PIPE RESTRAINT REVISIONS SHALL BE APPROVED IN WRITING BY THE ENGINEER PRIOR TO IMPLEMENTATION IN THE FIELD.
3. ANY WORK RELATING TO WATER PIPING OR DETAILS SHALL BE IN ACCORDANCE WITH THE PORTLAND WATER DISTRICT SPECIFICATIONS.
4. ALL RESTRAINED JOINTS MUST HAVE GRIPRING™.

BEARING SURFACE REQUIRED IN SQUARE FEET

PIPE SIZE	1/32 BEND	1/16 BEND	⅛ BEND	¼ BEND	TEES/CAPS
6" / 8"	5.0	5.0	5.0	6.5	5.0
12"	11.5	11.5	11.5	20.0	22.0

(H) THRUST BLOCK NOTES

N.T.S.

ITEM DESCRIPTION	DETENTION SUMP
(A) TOP OF BASIN ELEV.	71.00
(B) CREST OF SPILLWAY ELEV.	70.00
(C) EMERGENCY CHANNEL SIDE SLOPE	3:1
(D) WIDTH OF SPILLWAY	10'
(E) BROAD CRESTED WEIR ELEV.	69.0

(C) GRAVEL WETLAND #2 OVERFLOW SPILLWAY

N.T.S.

SEE NOTE 3 IN THRUST BLOCK NOTES DETAIL (H)

(F) WATER SERVICE TRENCH SECTION

N.T.S.

(I) SILTATION FENCE DETAIL

N.T.S.

SEE SHEET 6.3 FOR OIL/WATER SEPARATOR

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 R. BUSHEY No. 7429 — LICENSED PROFESSIONAL ENGINEER

P.E. STEPHEN BUSHEY
LIC. # 7429

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

SHEET TITLE: 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-6.2		

CITY OF PORTLAND — RESURGAM — MAINE
Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 10/07/14

R:\SP-M104 Portland, ME Harbor Auto Body - Peter Holmes\Caddd\Permit Set\dwg\SP-M104-DET.dwg davis_d 8/11/2014 10:19 AM