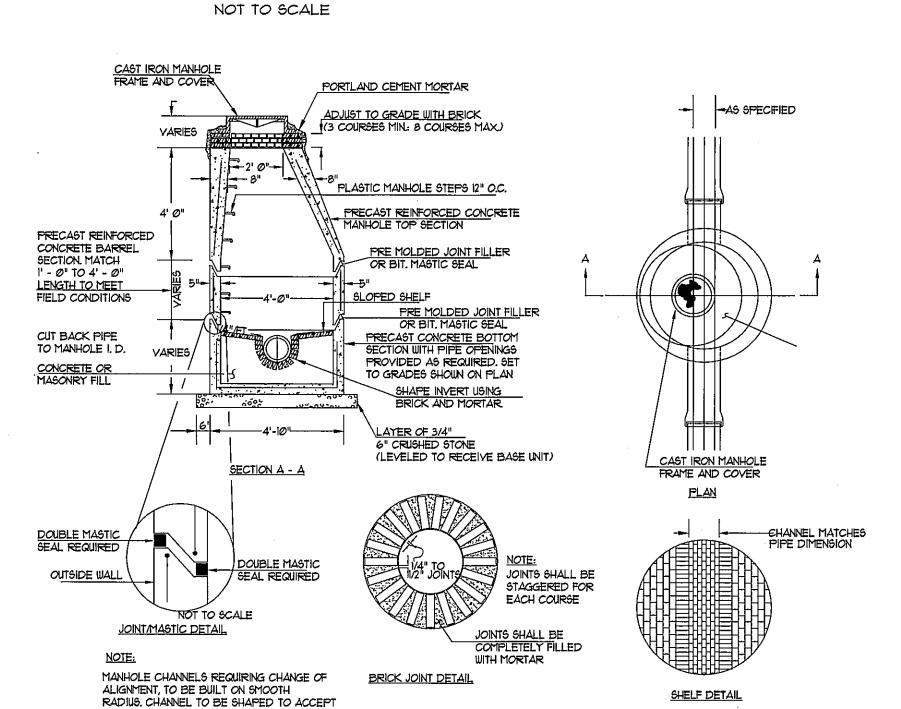
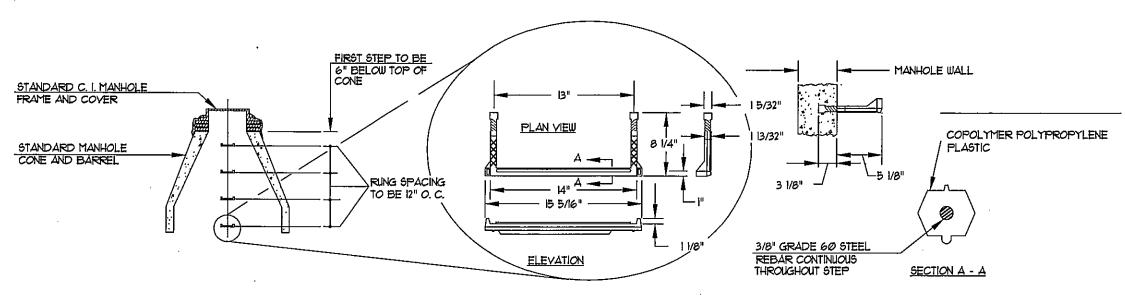


TYPICAL PAVEMENT GRADING ON SLOPES FOR CATCH BASIN AND INLET

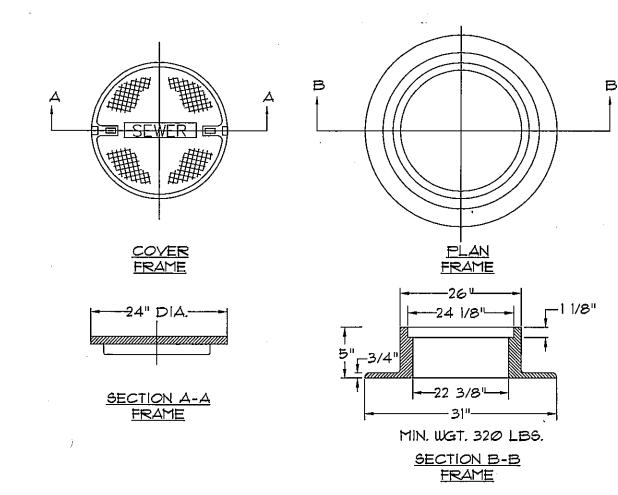


PRECAST CONCRETE MANHOLE TYPE "A"



ADDITIONAL INLET PIPES.

PLASTIC MANHOLE STEPS



NOTE:

1. ALL SANITARY AND STORMWATER/DRAIN MANHOLE COVERS
SHALL BE 24" x 5". ALL SANITARY MANHOLE COVERS AND SHALL
HAVE "SEWER" CAST INTO THE COVER. ALL STORMWATER/DRAIN
MANHOLE COVERS SHALL HAVE "DRAIN" CAST INTO THE COVER.

CAST IRON MANHOLE COVER AND FRAME NOT TO SCALE

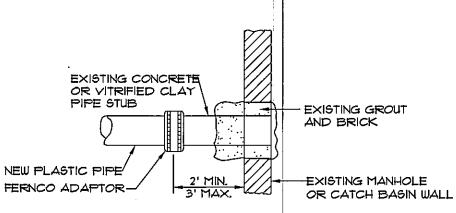
GENERAL NOTES FOR MANHOLES AND CATCH BASINS

- 1. ALL CONCRETE SHALL BE CLASS "A" AND HAVE A MINIMUM ULTIMATE COMPRESSIVE STRENGTH OF 4000-16. PER SQ. INCH AT THE END OF 28 DAYS, UNLESS OTHERWISE NOTED.
 - PRECAST REINFORCED CONE BARREL MANUFACTURED
 PER ASTM SPEC. C-418-61.
- 3. SEWER BRICK SHALL CONFORM TO ASTM SPEC.
 DESIGNATE ON C-32-63, GRADE MA AND SA.
- 4. ALL MANHOLES SHALL HAVE A BITUMINOUS
 WATERPROOFING APPLIED TO THE EXTERIOR SURFACE, 9.
 IF CONSTRUCTED OF BRICK MASONRY, SURFACE SHALL
 BE PLASTERED WITH A SMOOTH MORTAR FINISH 3/8 "
 THICK. AFTER THE MORTAR HAS SET, THE SURFACE
 SHALL BE WATERPROOFED AS REQUIRED BY
 10.

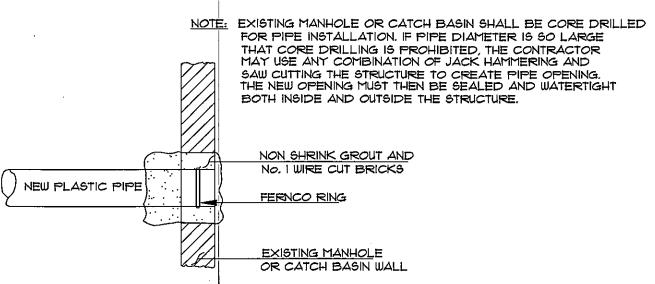
SUPPLEMENTAL SPECIFICATIONS SECTION 604.

- CASTINGS SHALL CONFORM TO ASTM DESIGNATION
 A48-CLASS 35. ALL PARTS OF CASTINGS, EXCEPT
 FINISHED SURFACE, SHALL RECEIVE A COAT OF COAL
 TAR PITCH VARNISH OR ASPHALTUM PAINT WHICH
 SHALL BE SMOOTH AND TOUGH BUT NOT BRITTLE.
- 6. MANHOLES MAY BE CONSTRUCTED OF MASONRY,
 PRECAST REINFORCED CONCRETE, OR CAST IN PLACE.

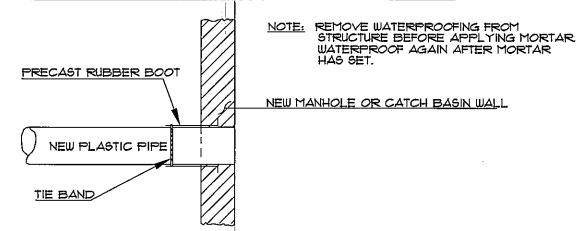
 7. ALL PRECAST MANHOLES AND CATCH BASINS SHALL
 BE IDENTIFIED BY STATION AND OFFSET, PAINTED ON
 THE SIDE OF THE STRUCTURE BY THE MANUFACTURER.
 - 8. EXISTING MANHOLES, CATCH BASINS, FRAMES, AND COVERS SHALL BE SALVAGED BY THE CONTRACTOR, AND SHALL REMAIN THE PROPERTY OF THE CITY OF PORTLAND.
 - ALL WORK WITHIN THE STREET RIGHT-OF-WAY SHALL CONFORM TO THE CITY OF PORTLAND TECHNICAL MANUAL STANDARDS.
 - 10. ALL CATCH BASIN OUTLET PIPES SHALL BE INSTALLED WITH AN OIL AND FLOATABLES SEPARATOR. THE SEPARATOR SHALL BE THE "SNOUT" OR AN APPROVED EQUAL AND INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
 - II. MANHOLE FRAME, GRATE AND COVERS SHALL COMPLY WITH CITY OF PORTLAND TECHNICAL STANDARDS AND REQUIREMENTS.



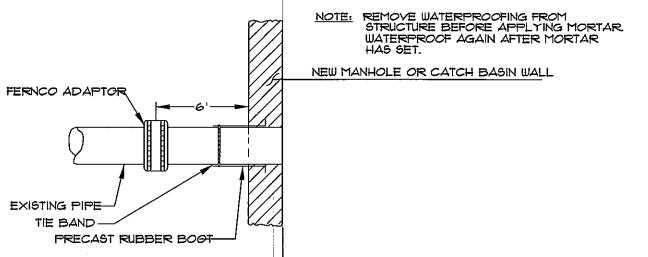
METHOD 4 - NEW PIPE TO EXISTING STRUCTURE STUB



METHOD 3 - NEW PIPE INTO EXISTING STRUCTURE

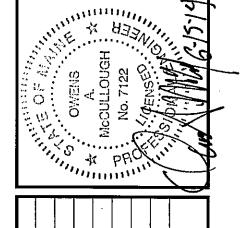


METHOD 2 - NEW CONSTRUCTION



METHOD 1 - EXISTING PIPE INTO NEW STRUCTURE

PLASTIC PIPE CONNECTION DETAIL NOT TO SCALE



	(9	WTC	06-12-14	FOUNDATION PERMIT SET
			上	WTC	01-07-13	CITY SUBMITTAL 7
) -) u		Ш	WTC	10-15-13	CITY SUBMITTAL 6
NICS. COM	WC		۵	WTC	10-03-13	CITY SUBMITTAL 5
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<u>၂</u>	WTC	MAL	AUTHORIZE	SHALL NOT BE ID OR OTHERW	MODIFIED WITHOUT ISE, SHALL BE AT TH	THIS FLAN SHALL NOT BE MODIFIED WITHOUT WRITTEN PERMISSION FROM SEBAGO LECHNICS, INC. ANY ALT AUTHORIZED OR OTHERWISE, SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO SEBAGO TECT

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OF:

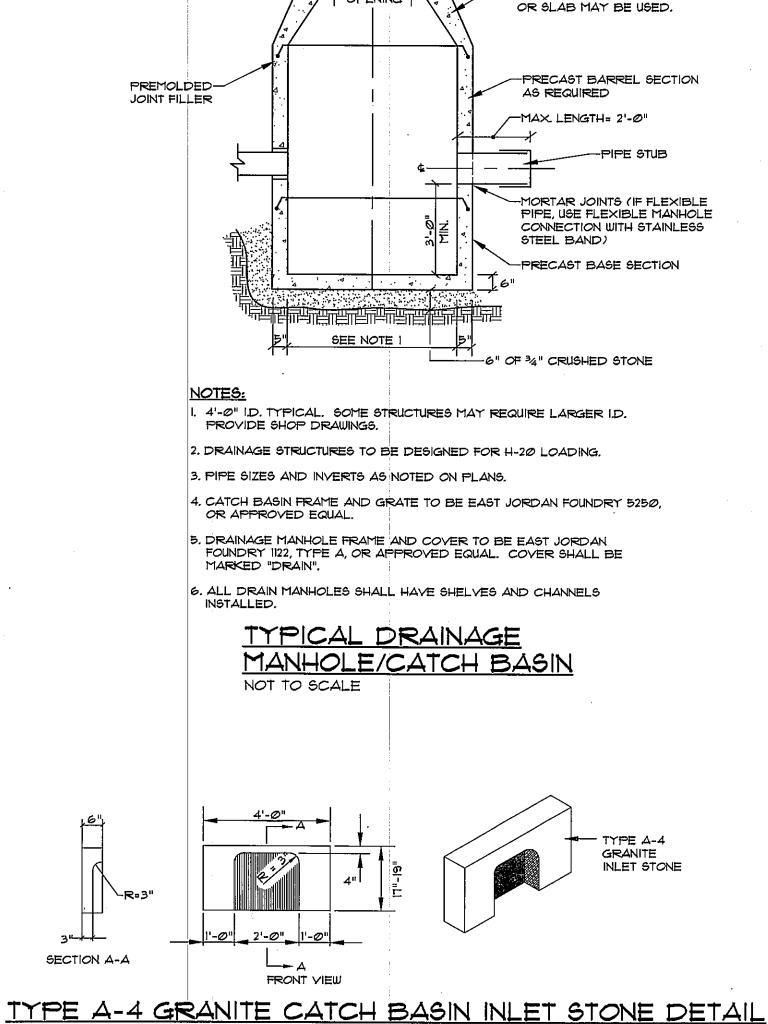
SEAPORT LOFTS

NEWBURY / HANCOCK STREET
PORTLAND, MAINE
FOR:

113 NEWBURY STRE

DATE SCALE
07-26-13 AS SHOWN

SHEET 10 OF 12



(FOR EXISTING BASIN AT HANCOCK STREET)

NOT TO SCALE

OPENING

-SEE NOTES FOR CASTINGS

MIN. I CRS. MAX. 3 CRS.

-ADJUST TO GRADE WITH BRICK

-CONCENTRIC CONE SECTION

SHOWN, ECCENTRIC CONE

-CEMENT MORTAR