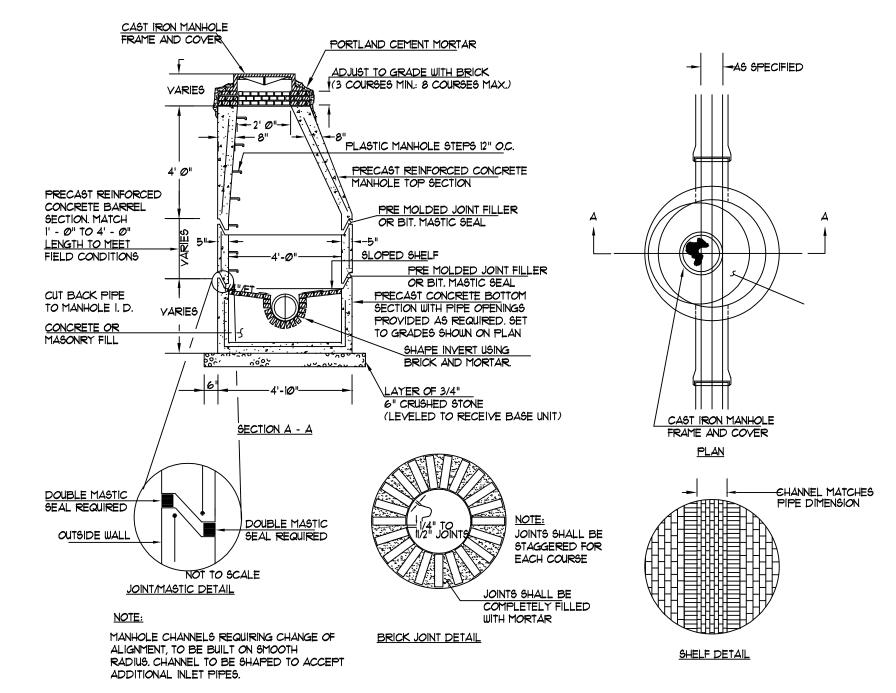
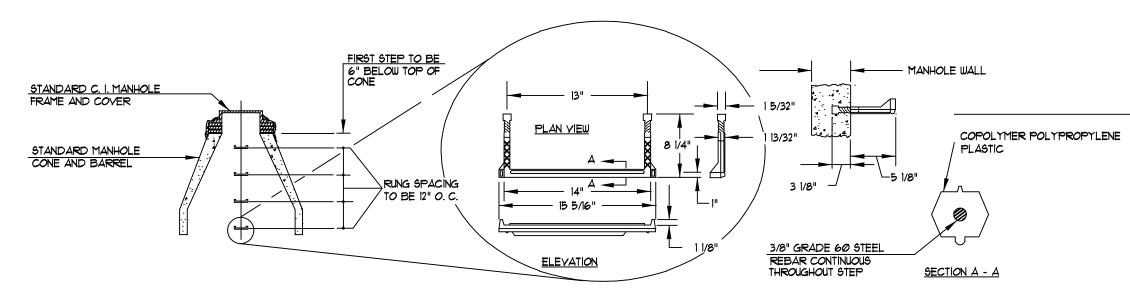


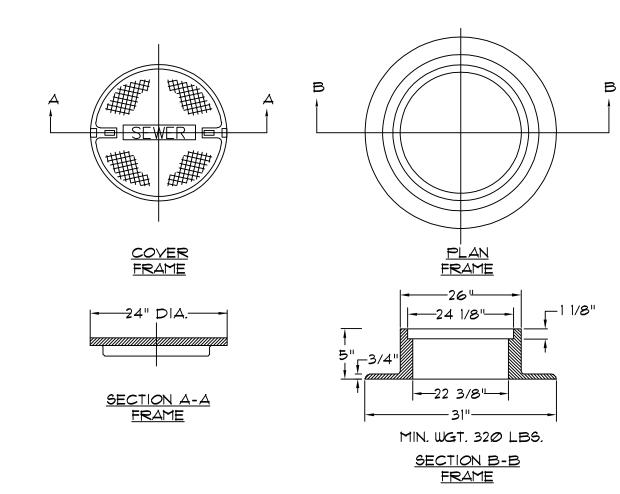
TYPICAL PAVEMENT GRADING ON SLOPES FOR CATCH BASIN AND INLET NOT TO SCALE



PRECAST CONCRETE MANHOLE TYPE "A" NOT TO SCALE



PLASTIC MANHOLE STEPS



NOTE:

1. ALL SANITARY AND STORMWATER/DRAIN MANHOLE COVERS
SHALL BE 24" x 5". ALL SANITARY MANHOLE COVERS AND SHALL
TO THE COVER ALL STORMWATER/DRAIN 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 6. MANHOLES MAY BE CONSTRUCTED OF MASONRY,

ALL CONCRETE SHALL BE CLASS "A" AND HAVE A MINIMUM ULTIMATE COMPRESSIVE STRENGTH OF 4000-169. PER SQ. INCH AT THE END OF 28 DAYS, UNLESS OTHERWISE NOTED.

SEWER BRICK SHALL CONFORM TO ASTM SPEC. DESIGNATE ON C-32-63, GRADE MA AND SA.

SUPPLEMENTAL SPECIFICATIONS SECTION 604.

CASTINGS SHALL CONFORM TO ASTM DESIGNATION A48-CLASS 35. ALL PARTS OF CASTINGS, EXCEPT

TAR PITCH VARNISH OR ASPHALTUM PAINT WHICH

SHALL BE SMOOTH AND TOUGH BUT NOT BRITTLE.

FINISHED SURFACE, SHALL RECEIVE A COAT OF COAL

IF CONSTRUCTED OF BRICK MASONRY, SURFACE SHALL

BE PLASTERED WITH A SMOOTH MORTAR FINISH %" THICK. AFTER THE MORTAR HAS SET, THE SURFACE SHALL BE WATERPROOFED AS REQUIRED BY

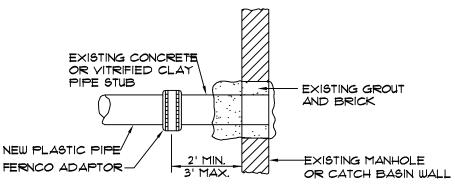
ALL MANHOLES SHALL HAVE A BITUMINOUS

PER ASTM SPEC. C-418-61.

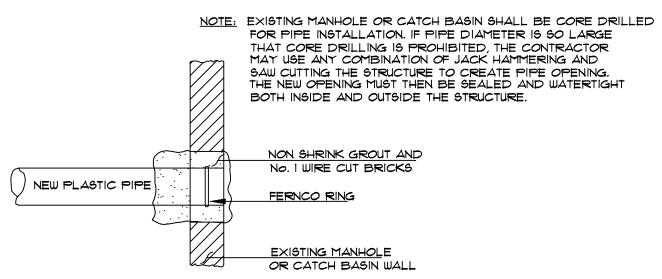
- ALL PRECAST MANHOLES AND CATCH BASINS SHALL BE IDENTIFIED BY STATION AND OFFSET, PAINTED ON
- THE SIDE OF THE STRUCTURE BY THE MANUFACTURER. PRECAST REINFORCED CONE BARREL MANUFACTURED
 - EXISTING MANHOLES, CATCH BASINS, FRAMES, AND COVERS SHALL BE SALVAGED BY THE CONTRACTOR,
 - AND SHALL REMAIN THE PROPERTY OF THE CITY OF

PRECAST REINFORCED CONCRETE, OR CAST IN PLACE.

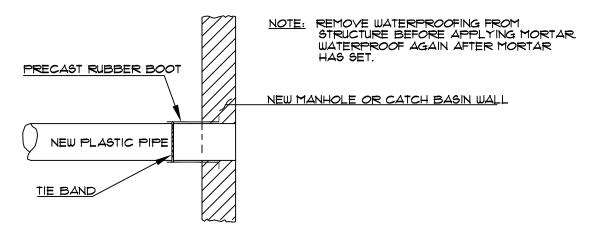
- WATERPROOFING APPLIED TO THE EXTERIOR SURFACE. 9. ALL WORK WITHIN THE STREET RIGHT-OF-WAY SHALL CONFORM TO THE CITY OF PORTLAND TECHNICAL MANUAL STANDARDS.
 - 10. ALL CATCH BASIN OUTLET PIPES SHALL BE INSTALLED WITH AN OIL AND FLOATABLES SEPARATOR. THE SEPARATOR SHALL BE THE "SNOUT" OR AN APPROVED EQUAL AND INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
 - MANHOLE FRAME, GRATE AND COVERS SHALL COMPLY WITH CITY OF PORTLAND TECHNICAL STANDARDS AND REQUIREMENTS.



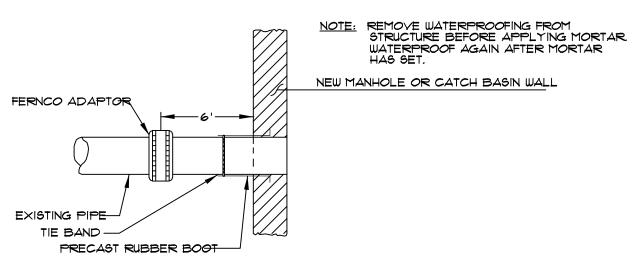
METHOD 4 - NEW PIPE TO EXISTING STRUCTURE STUB



METHOD 3 - NEW PIPE INTO EXISTING STRUCTURE

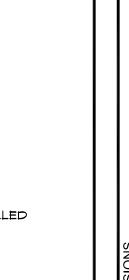


METHOD 2 - NEW CONSTRUCTION



METHOD 1 - EXISTING PIPE INTO NEW STRUCTURE

PLASTIC PIPE CONNECTION DETAIL NOT TO SCALE



) 	12-31-14	MISOCEEAN EOUS NEVISIONS
	WTC	12-08-14	MISCELLANEOUS REVISIONS
	WTC	11-18-14	REVISED SITE LIGHTING / ISSUE CK-02
	WTC	09-10-14	ISSUE CK-01
	WTC	08-06-14	PRICING SET 1 AUGUST 6, 2014
	WTC	07-22-14	ADDRESS COMMENTS PER WILLIAM CLARKE E-MAIL DATED 07-10-14
	WTC	06-20-14	CITY SUBMITTAL 8
	BY:	DATE:	STATUS:
SZ	HALL NOT BE	MODIFIED WITHOUT	A SHALL NOT BE MODIFIED WITHOUT WRITTEN PERMISSION FROM SEBAGO TECHNICS, INC. ANY ALTERATIONS,

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-	I O U	- Z	S	
	WWW. SEBAGOTECHNICS. COM	TECHNICS.C	OM	
75 John Ro	75 John Roberts Rd Suite 1A	250 Gode	250 Goddard Rd Suite B	e B
South Po	South Portland, ME 04106	Lewist	Lewiston, ME 04240	_
Tel.	Tel. 207-200-2100	Tel. 2	Tel. 207-783-5656	
PROJECT NO.	FIELD BOOK	DESIGN	CHKD	DRAV
7.007		H	₩.	

DETAILS
OF:
SEAPORT
NEWBURY / HAN
PORTLAND, MAIR
FOR:
113 NEWI

SCALE 07-26-13 AS SHOWN

SHEET 10 OF 12

-6" OF 34" CRUSHED STONE 1. 4'-0" I.D. TYPICAL. SOME STRUCTURES MAY REQUIRE LARGER I.D. PROVIDE SHOP DRAWINGS. 2. DRAINAGE STRUCTURES TO BE DESIGNED FOR H-20 LOADING. 3. PIPE SIZES AND INVERTS AS NOTED ON PLANS. 4. CATCH BASIN FRAME AND GRATE TO BE EAST JORDAN FOUNDRY 5250, OR APPROVED EQUAL. 5. DRAINAGE MANHOLE FRAME AND COVER TO BE EAST JORDAN FOUNDRY 1122, TYPE A, OR APPROVED EQUAL. COVER SHALL BE 6. ALL DRAIN MANHOLES SHALL HAVE SHELVES AND CHANNELS INSTALLED. TYPICAL DRAINAGE MANHOLE/CATCH BASIN NOT TO SCALE

PREMOLDED-

JOINT FILLER

-SEE NOTES FOR CASTINGS

MIN. 1 CRS. MAX. 3 CRS.

OR SLAB MAY BE USED.

-ADJUST TO GRADE WITH BRICK

-CONCENTRIC CONE SECTION SHOWN. ECCENTRIC CONE

-PRECAST BARREL SECTION

-MORTAR JOINTS (IF FLEXIBLE PIPE, USE FLEXIBLE MANHOLE

CONNECTION WITH STAINLESS

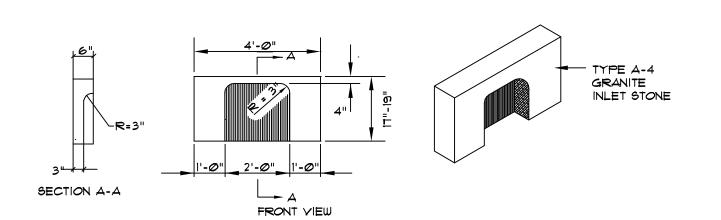
PRECAST BASE SECTION

-CEMENT MORTAR

AS REQUIRED

STEEL BAND)

-MAX. LENGTH= 2'-0"



TYPE A-4 GRANITE CATCH BASIN INLET STONE DETAIL (FOR EXISTING BASIN AT HANCOCK STREET) NOT TO SCALE