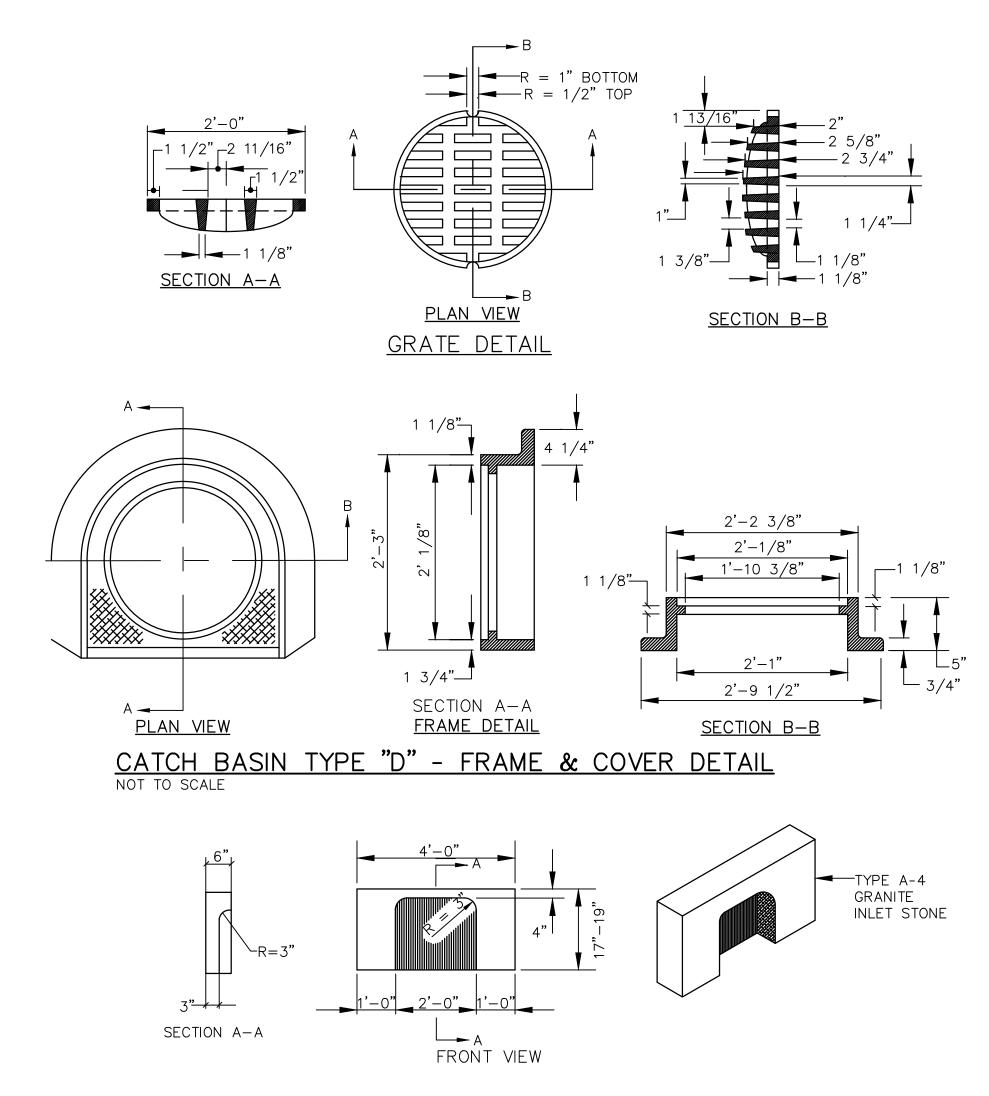


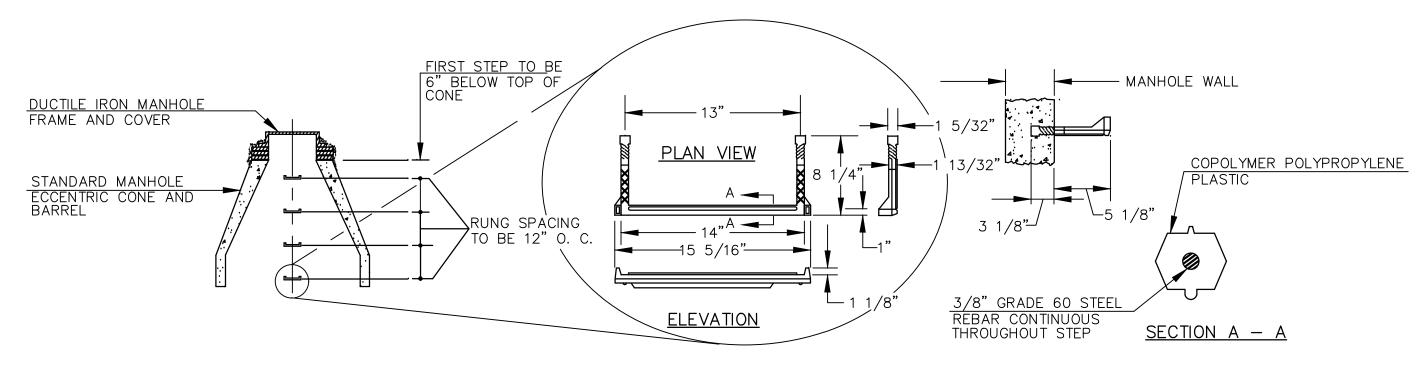
PRECAST CONCRETE MANHOLE TYPE "A"



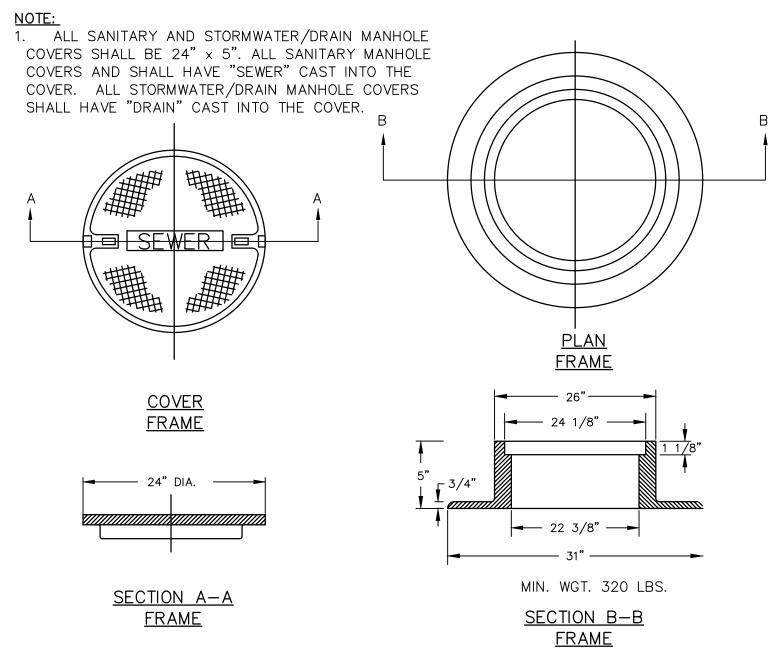
TYPE A-4 GRANITE CATCH BASIN INLET STONE DETAIL NOT TO SCALE

NOTE:

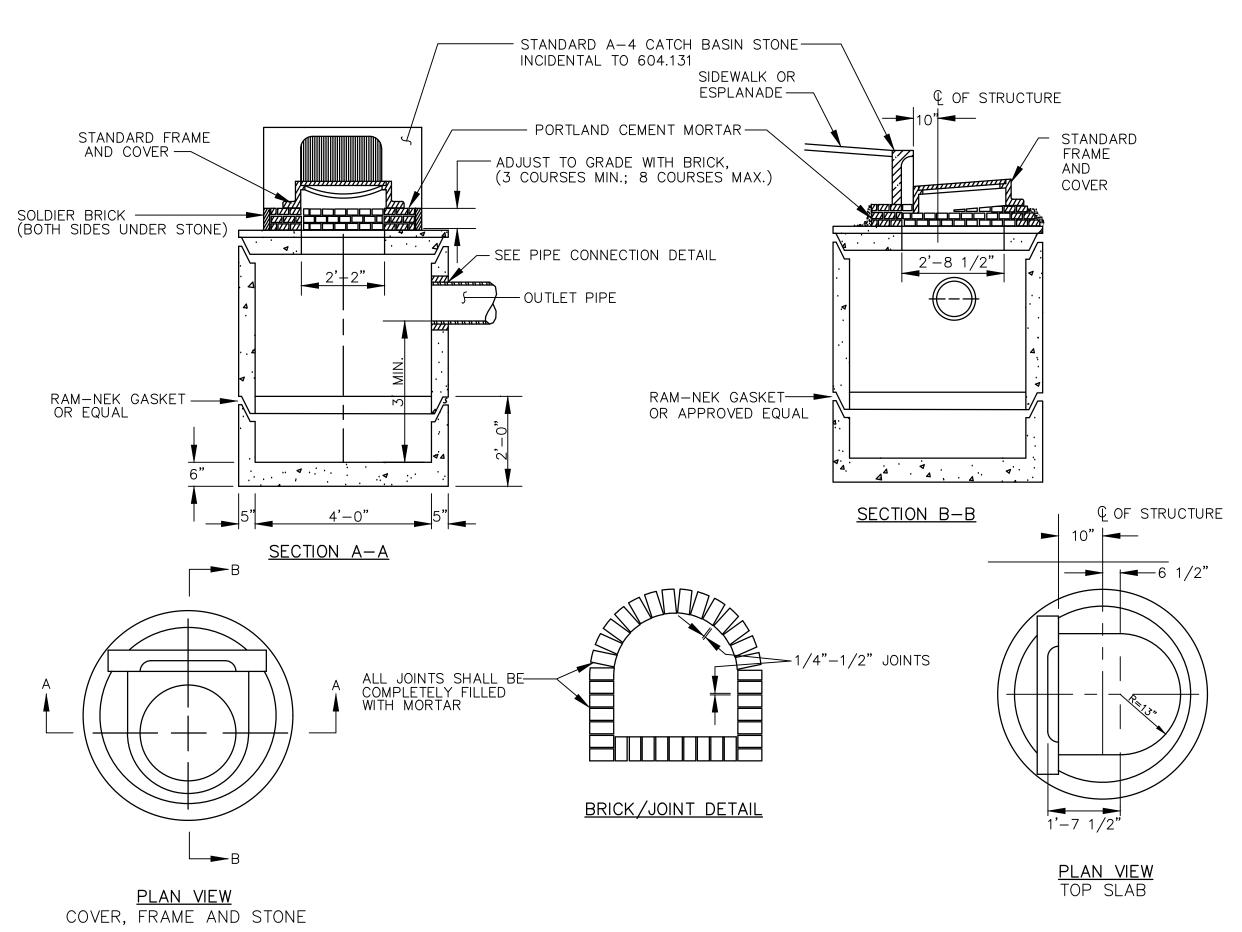
1. TYPE D FRAME AND COVER AND TYPE A-4 GRANITE HEADSTONES ARE TO BE INSTALLED AT CATCH BASINS IN PUBLIC STREETS ONLY. SEE SHEET C30-04 FOR TYPICAL BASINS TO BE INSTALLED ON MMC PROPERTY, ENTRANCE PLAZA.



PLASTIC MANHOLE STEPS
NOT TO SCALE



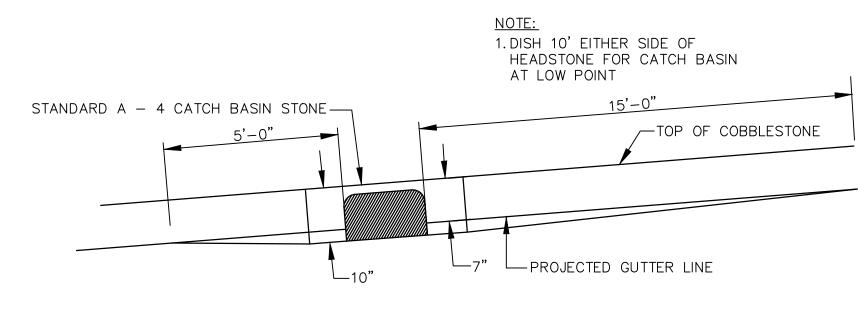
CAST IRON MANHOLE FRAME AND COVER NOT TO SCALE



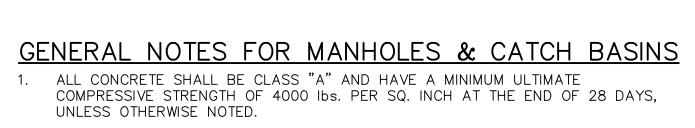
PRECAST CONCRETE CATCH BASIN - TYPE E

NOTE:

1. TYPE E CATCH BASINS ARE TO BE INSTALLED AT LOCATIONS IN PUBLIC STREETS ONLY.
SEE SHEET C30-04 FOR TYPICAL BASINS TO BE INSTALLED ON MMC PROPERTY,
ENTRANCE PLAZA.



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



UNLESS OTHERWISE NOTED.

2. PRECAST REINFORCED CONE BARREL MANUFACTURED PER ASTM SPEC. C-478-67

MA AND SA.

4. SANITARY SEWER MANHOLES SHALL HAVE A BITUMINOUS WATERPROOFING APPLIED TO THE EXTERIOR SURFACE. 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

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

5. MANHOLES MAY BE CONSTRUCTED OF MASONRY, PRECAST REINFORCED CONCRETE, OR CAST IN PLACE.

SUPPLEMENTAL SPECIFICATIONS SECTION 604.

- 6. ALL PRECAST MANHOLES AND CATCH BASINS SHALL BE IDENTIFIED BY <u>STATION</u> AND <u>OFFSET</u>, PAINTED ON THE SIDE OF THE STRUCTURE BY THE MANUFACTURER.
- 7. EXISTING FRAMES, AND COVERS SHALL BE SALVAGED BY THE CONTRACTOR, AND SHALL REMAIN THE PROPERTY OF THE CITY OF PORTLAND. CONTRACTOR SHALL DELIVER TO CITY STOCKYARD AT NO COST.
- 8. EXISTING GRANITE COBBLE STONE AND PAVERS SHALL BE STOCKPILE BY THE CONTRACTOR, AND REUSED FOR CONSTRUCTION OF NEW COBBLE STONE GUTTER. GRANITE NOT USED SHALL REMAIN THE PROPERTY OF THE CITY OF PORTLAND.
- 9. ALL NEW CATCH BASINS IN PUBLIC STREETS SHALL RECEIVE A TYPE A-4 GRANITE INLET STONE UNLESS OTHERWISE NOTED.

PERKINS

+ WILL

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Maine Medical Center
MaineHealth

Maine Medical Center 22 Bramhall Street

CONSULTANTS

Portland, ME 04102

Sebago Technics Inc.
75 John Roberts Road, Suite 1A,
South Portland, ME 04106

STRUCTURAL ENG/ BUILDING ENVELOPE CONSULTANT
Simpson Gumpertz & Heger Inc.

41 Seyon Street, Building 1, Suite 500,
Waltham, MA 02453

MEPFP ENGINEER/CODE/LOW VOLTAGE

AKF Group LLC
99 Bedford Street, 2nd Floor, Boston, MA 02111

CONSTRUCTION MANAGER

TURNER CONSTRUCTION

2 Seaport Lane, Suite 200, Boston, MA 02210

ELEVATOR CONSULTANT

VDA (Van Deusen & Associates)

VDA (Van Deusen & Associates)
101 Summer Street, 4th Floor, Boston, MA 02110

COST ESTIMATOR

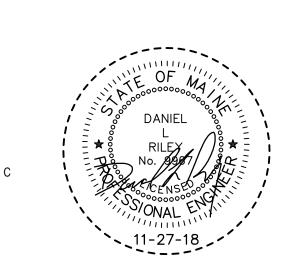
D.G. Jones International
3 Baldwin Green Common, Suite 202, Woburn, MA 01801

MEDICAL EQUIPMENT PLANNING

Mitchell Planning
630 Dundee Road, Suite 340, Northbrook IL 60062

PROJECT TITLE

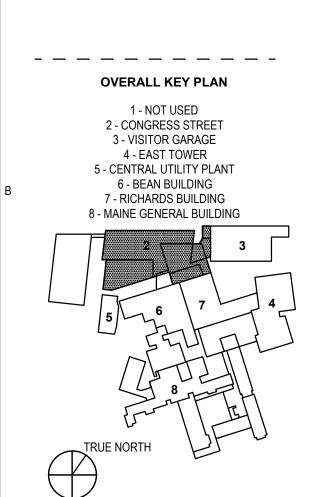
Congress Street
Building
22 Bramhall Street
Portland ME 04102



PROJECT KEY PLAN

SECTOR SECTOR VISITORS GARAGE

01 02 GARAGE



RESUBMIT TO CITY

NOVEMBER 27, 2018

DETAILS-PUBLIC SEWER
AND STORM DRAIN,
CONGRESS STREET

EXPANSION SHEET NUMBER

C30-08

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