CATCH BASIN GRADE MUST BE INSTALLED WITH SLOT OPENINGS PERPENDICULAR TO THE SIDEWALK (SEE DETAIL F1-D09)

EXISTING FRAME AND COVER TO BE ADJUSTED (SEE NOTE)

PROPOSED FINISHED SURFACE OVERLAY (BY OTHERS)

EXISTING PAVEMENT

EXISTING SIDEWALK

CATCH BASIN SIGN

PROPOSED CONCRETE COLLAR

REMOVE EXISTING MASONRY AS REQUIRED AND ADJUST TO GRADE WITH NEW CONCRETE ADJUSTING RINGS

CATCH BASIN HOOD (SEE DETAIL NO. F1-D22)

MORTAR FILL AROUND PIPE

FLEXIBLE RUBBER CONNECTOR SEE DETAIL B-21

STAINLESS STEEL PIPE CLAMP

STAINLESS STEEL EXPANSION BAND

MASTIC GASKET MATERIAL ALL MANHOLE JOINTS

EXISTING PRECAST CONCRETE OR BRICK STRUCTURE

3" MIN.

NOTE:
OVERLAY BY OTHERS WILL BE 1-⅛" AT CENTERLINE TAPERING TO 1" AT CURBLINE

CATCH BASIN ADJUSTMENT TO GRADE

Scale: Not To Scale

DATE: Oct. 21, 2013

DETAIL NO. B-01a
STANDARD CATCH BASIN NO. 5

Scale: Not To Scale

DATE: Aug. 05, 2019
DETAIL NO. B-01b

Boston Water and Sewer Commission
980 Harrison Ave., Boston, MA 02119
(617) 995-7000
www.bwsc.org

B-01b - Standard Catch Basin No. 5

Location/Filename: V:\eng\ACAD_STD\Technical Details\B - Sewer Details\files\rev0003\B-01b - Standard Catch Basin No. 5.dwg

Plotted on: Tuesday, August 6, 2019 - 12:49 PM by Devlin Denise

BWSC STANDARD EDGESTONE GUTTERMOUTH IS
(72"L X 6"W X 18"H) WITH 3" RADIUS
INLET THROAT Rounding. MINIMUM WIDTH IS
6". ALL OTHER DIMENSIONS TOLERANCES TO
±1".
SECTION A - A

PLAN

15" RCP OR 16" DI

EDGESTONE WITH GUTTERMOUTH

CATCH BASIN FRAME AND GRATE,
(SEE DETAILS F1-D6 & F1-D9)
CATCH BASIN GRATE MUST BE
INSTALLED WITH SLOT OPENINGS
PERPENDICULAR TO THE
PAVEMENT

NOTE:
(SEE DETAIL B-01B FOR
GUTTERMOUTH DETAIL)

FRAME TO BE SET IN
FULL MORTAR BED

CONCRETE
COLLAR (TYP.)

GUTTER

INVERT PLACED
TO SLOPE
TO OUTLET

SCREENED GRAVEL

MASTIC GASKET MATERIAL ALL
MANHOLE JOINTS

CATCH BASIN HOOD TO BE USED
WHEN CONNECTED TO STORM DRAIN,
CATCH BASIN HOOD & TRAP TO BE
USED WHEN CONNECTED TO
COMBINED SEWER

PRECAST CONCRETE TO
CONFORM TO ASTM-478
CONC. OF 4000 PSI AT 28
DAYS

6" SCREENED GRAVEL

SIDEWALK

GRAGE RING (TYP.)

TYPE "A" FRAME AND COVER TO BE
MARKED "DRAIN".
SEE DETAIL F1-D01

SUMP STRUCTURE WITH DROP INLET

DATE:
June 12, 2023

DETAIL NO.
B-01c

Scale: Not To Scale
DROP INLET WITH GUTTERMOUTH

Scale: Not To Scale

DATE: June 12, 2023

DETAIL NO. B-01e
STANDARD CATCH BASIN

TYPE E CATCH BASIN FRAME
SEE DETAIL NO. F1-D8

TYPE E-1 CATCH BASIN GRATE
SEE DETAIL NO. F1-D9

EDGE STONE WITH GUTTERMOUTH

8"x14" CATCH BASIN SIGN
SEE DETAIL NO. F1-D23

CATCH BASIN SIGN INSTALLATION

TYPE 13 CATCH BASIN

BWSC STANDARD EDGESTONE GUTTERMOUTH IS
(72"L X 6"W "X 18"H) WITH 3" RADIUS
INLET THROAT Rounding. MINIMUM WIDTH IS
6". ALL OTHER DIMENSION TOLERANCES TO
±1".

TYPE E SIDEWALK MANHOLE FRAME
SEE DETAIL NO. F1-D8

EDGE STONE WITH GUTTERMOUTH

TYPE E SIDEWALK MANHOLE COVER
SEE DETAIL NO. F1-D10

DATE: Aug. 05, 2019
DETAIL NO. B-01f
PROFILE ALONG GUTTER LINE

FINISHED STREET GRADE

GUTTER LINE SLOPE = 0.50% MIN.
EDGESTONE 6" TYPICAL, 4" MIN.

VARIES 30'-0" DESIRABLE

VARIES 5'-0" MIN.

% OF C.B. OR D.I.
CATCH BASIN OR DROP INLET FRAME AND COVER
SEE DETAILS F1-D08 AND F1-D09

6" TYPICAL 4" MIN.

ARRIS LINE OF CURB BEYOND (± ¼")

CONCRETE COLLAR

% OF C.B. OR D.I.
BRICK MASONRY OR CONCRETE RING
FINISHED STREET GRADE

SECTION A-A

TOLERANCES FOR SETTING CATCH BASIN AND CURB INLET FRAME

Scale: Not To Scale

DATE: June 30, 2012
DETAIL NO. B-01h