INSTALL TO MATCH ROAD GRADE AND CROSS SLOPE SET 1/2" LOW

SLOPE CONCRETE FROM ALL THREE SIDES TO FRAME 1/4" PER FOOT

FINISHED ROAD GRADE

SLOPE CONCRETE FROM ALL THREE SIDES TO FRAME 1/4" PER FOOT

GRANITE CURB

6" TOP SOIL

BACK FILL WITH NYSDOT ITEM 203-2.02C COMPACT TO 95%, PLACE IN 8" LIFTS.

(2) #4 REBAR, 32" SQUARE, SPACE AT 3" AND SET 3" CLEAR.

SET MANHOLE IN CAST-IN-PLACE CONCRETE BASE, EXTEND 12" IN ON ALL 3 SIDES AND 4" TO CURB. RING SHOULD BE SET TO PROVIDE 2" TO 4" CONC. UNDER THE BASE AND ABOVE THE RISER.

24" SQUARE INTERIOR PRECAST CONCRETE WITH A 5" MINIMUM WALL AND FLOOR THICKNESS. ZEISER WILBERT MODEL CB 228 OR APPROVED EQUAL. KNOCKOUT PANELS NOT PERMITTED.

UNDISTURBED OR COMPACTED SUB-GRADE

NO MORE THAN 2" OF PIPE PROTRUDING INTO STRUCTURE. PREFERABLE CUT FLUSH.

NOTES:
1.0 CAST-IN-PLACE CONCRETE TO BE 5000 p.s.i. STRENGTH AT 28 DAYS, MAX W/C OF 0.43, AIR ENTRAINED 6%+/- 1%.
2.0 ALL SECTIONS OF CATCH BASIN SHALL BE PLUMB AND LEVEL.
3.0 EACH INSTALLATION SHALL BE INSPECTED AND APPROVED BY AN AUTHORIZED CORNELL REPRESENTATIVE PRIOR TO BACK FILLING.
4.0 MAXIMUM STRUCTURE HEIGHT NOT TO EXCEED 5" WITHOUT UTILITY REPRESENTATIVE APPROVAL.
5.0 WATER CURE CONCRETE FOR 7 DAYS AND USE CURING COVER PER STANDARD 033000 - 2.02.
6.0 ALL COMPONENTS NEED TO BE H25 RATED.

STREET APPLICATION STORM SEWER PRECAST CATCH BASIN DETAIL

NO SCALE

DESIGN and CONSTRUCTION STANDARDS
CORNELL UNIVERSITY

REVIEWED BY: MR/BC
DATE: 6/25/2015

REVISED BY: JG
DATE: 6/25/2015

CELL LIBRARY: CIVIL_STD_DET
CELL NAME: SSCBPC
DOC PRINT SIZE: 8 1/2" x 11"
DETAIL NO. 4.4.1