

**CITY OF NEW HAVEN
DEPARTMENT OF ENGINEERING**

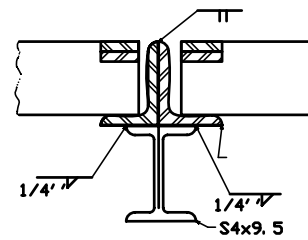
RICHARD H. MILLER, P.E., L.S. 9886
CITY ENGINEER

DRIVE: K:\ENGINEER\DWG
FILE: CITYSTD\DETAILS\2009 DETAILS
DATE: DEC. 1, 2009
DRAWING NO.: **STD-NH-08G**

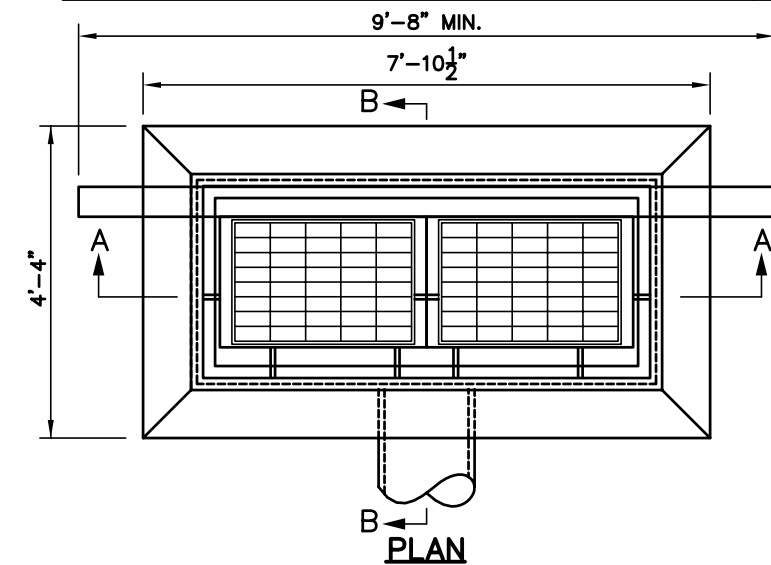
NOTES

FOR DETAILS OF STEEL FRAME & GRATE SEE STANDARD SHEET NO. 507-K OR 507-L TWO FRAMES & GRATES REQUIRED FOR EACH CATCH BASIN.
WALLS OF ALL CATCH BASINS OVER 10 FT. DEEP TO BE INCREASED TO 12" THICKNESS, INSIDE DIMENSIONS TO REMAIN THE SAME.
ALL STEEL, EXCEPT REINFORCING BARS, SHALL BE GALVANIZED IN ACCORDANCE WITH M.06.03.

ALL BARS SHALL HAVE 2" COVER.
ALL STRAIGHT REINF. BARS WILL BE #4 BARS.
ALL STIRRUPS WILL BE #3 BARS 9" C.C. TYP.



DETAIL "A"



NOTE: WHEN CATCH BASIN IS SET IN CONCRETE PAVEMENT THE 1/2" SLOPE ON THE TOP SURFACE SHALL BE CHANGED TO MATCH ADJOINING PAVEMENT.

STANDARD CATCH BASIN
FRAME AND GRATE

CROSS SLOPE AS
PER CROSS SECTION

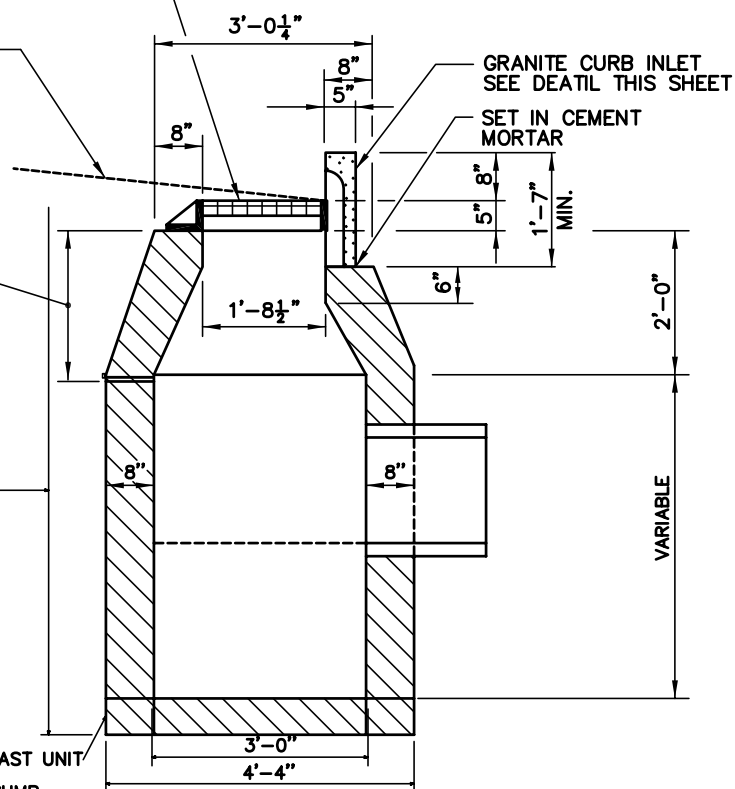
UNLESS OTHERWISE
ORDERED, MIN. DEPTH
UNDER TRAVELWAY:
1'-7 1/2" MIN.
DEPTH UNDER
UNTRAVELED AREA:
0'-3"

WHEN THIS DIMENSION EXCEEDS
10 FEET, CATCH BASIN WILL BE
CLASSIFIED AS TYPE "C" CATCH
BASIN DOUBLE GRATE TYPE II
OVER 10 FT. DEEP.

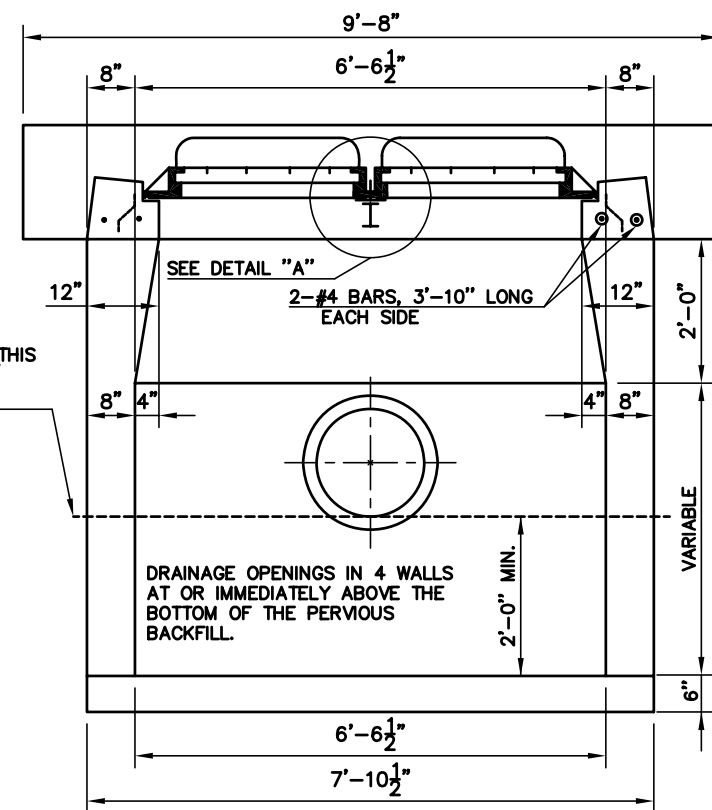
PRECAST CONCRETE UNITS,
BRICK, CLASS "A" CONCRETE, MASONRY CONCRETE
UNITS. WHERE BRICK OR MASONRY CONCRETE
UNITS ARE USED, CORBELLING WILL BE PERMITTED.
MAXIMUM CORBEL TO BE 3". NO PROJECTION
SHALL EXTEND INSIDE OF LIMITS NOTED BY **

CLASS "A" CONCRETE POURED IN PLACE OR PRECAST UNIT

WHERE PRECAST CONCRETE UNIT IS USED FOR SUMP,
THE TOP OF THE UNIT SHALL BE AT LEAST 6" BELOW
THE BOTTOM OF THE PIPE OUTLETTING FROM THE
CATCH BASIN.



SECTION B-B



SECTION A-A

PERVIOUS BACKFILL ABOVE THIS
ELEVATION, MAX. DEPTH 3'-0"
BELOW THE TOP OF THE
STRUCTURE.

DRAINAGE OPENINGS IN 4 WALLS
AT OR IMMEDIATELY ABOVE THE
BOTTOM OF THE PERVIOUS
BACKFILL.

TYPE "C" CATCH BASIN DOUBLE GRATE - TYPE II

SCALE: 3/8" = 1'-0"