



- 1 PAVED SURFACE.
- 2 FRAME AND GRATE (4 FLANGE). USE 3 FLANGE WHEN ADJACENT TO CURB.
SINGLE GRATE SHOULD BE _____.
DOUBLE GRATE SHOULD BE _____.
- 3 FRAME TO BE SET IN FULL BED OF MORTAR WITH BITUMINOUS ASPHALT COLLAR.
- 4 PROVIDE "V" OPENINGS (WITH 2" CLEARANCE TO OUTSIDE PIPE). MORTAR PIPE JOINTS.
- 5 MIN. 0.12 SQ. IN. STEEL PER VERTICAL FOOT, PLACED ACCORDING TO ASTM C-478.
- 6 ADJUST TO GRADE WITH BRICK OR PRECAST CONCRETE RINGS: MAX. 8" ADJUSTMENT.
- 7 MANHOLE STEP AT 12" O.C. (TYP.)
- 8 12" OF 3/4" CRUSHED STONE BEDDING.
- 9 UNDISTURBED SUBGRADE OR SUITABLE COMPACTED FILL.
- 10 COMPACTED GRAVEL BORROW BACKFILL.

NOTES:

1. PRECAST CONCRETE STRUCTURES AND CASTINGS SHALL BE SUITABLE FOR HS-20 LOADINGS.
2. PRECAST CONCRETE STRUCTURES SHALL BE MANUFACTURED IN ACCORDANCE WITH ASTM C-478.
3. ALTERNATE SLAB TOP MAY BE USED AS DICTATED BY DESIGN AND/OR FIELD CONDITIONS.
4. UNLESS OTHERWISE NOTED, CATCH BASINS SHALL BE 48" I.D.
5. PROVIDE 24"X24" OPENING FOR SINGLE GRATE CATCH BASIN (CB) AND 24"X36" OPENING FOR DOUBLE GRATE CATCH BASIN (DCB).



**DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION
TOWN OF BILLERICA,
MASSACHUSETTS**

PRECAST CONCRETE CATCH BASIN

CREATED BY: DCW/KCS

SCALE: NTS

FILE:

CHECKED BY: GA/JT

DATE: 06/29/2015