



- 1 FINISHED GRADE PER PLAN.
- 2 STANDARD OR WATERTIGHT MANHOLE FRAME & COVER.
- 3 FRAME TO BE SET IN FULL MORTAR BED WITH BITUMINOUS ASPHALT COLLAR.
- 4 ADJUST TO GRADE WITH MINIMUM TWO LAYERS OF BRICK OR PRECAST CONCRETE RINGS: MAX. 8" ADJUSTMENT.
- 5 BRICK SHELF ELEVATION SAME AS CROWN OF HIGHEST PIPE (SHELF SLOPE 1/4"/FT).
- 6 BRICK OR 4,000 PSI CONCRETE AS SPECIFIED.
- 7 12" - 3/4" CRUSHED STONE BEDDING.
- 8 UNDISTURBED SUBGRADE OR COMPACTED SUITABLE BACKFILL.
- 9 12" MIN. ABOVE HIGHEST CROWN.
- 10 BUTYL RUBBER SEALANT (TWO STRIPS FOR SEWER MANHOLE).
- 11 PROVIDE DAMP PROOFING/WATER PROOFING AS SPECIFIED.
- 12 PROVIDE 24" CLEAR OPENING FOR 24"/26" COVERS AND 30" CLEAR OPENING FOR 30"/32" COVERS.



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

## **LOW PRESSURE SEWER DISCHARGE CONNECTION**

CREATED BY: DCW/KCS

SCALE: NTS

FILE:

CHECKED BY: GA/JT

DATE: 07/07/2015