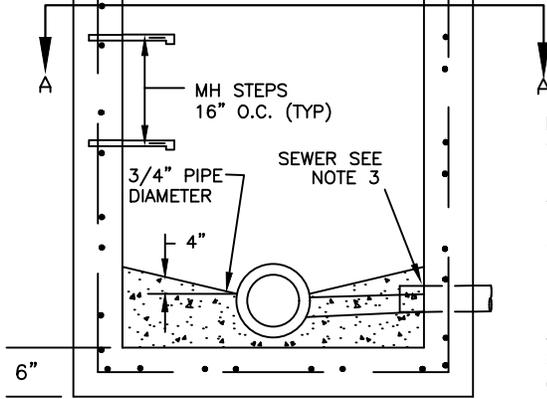


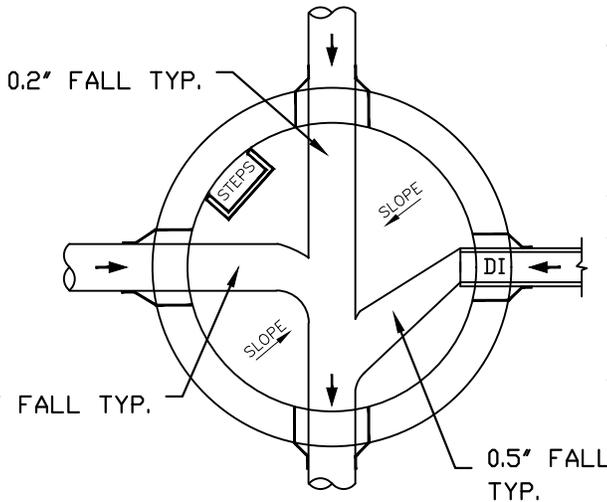
**FLAT SLAB UPPER SECTION**

ALLOWED ONLY WHERE DEPTHS WILL NOT PERMIT CONE SECTIONS



**NOTES:**

1. MANHOLE RISERS AND CONE SECTIONS SHALL CONFORM TO ASTM-478, LATEST REVISION.
2. TRANSITION RINGS SHALL HAVE A MINIMUM CLEARANCE OF 2'-0" ABOVE THE EFFLUENT INVERT ELEVATION.
3. FLEXIBLE WATERTIGHT SYNTHETIC RUBBER SLEEVES, WITH STAINLESS STEEL CLAMP, DRAW BLOT AND NUT; OR CAST-IN SLEEVE; OR "A" LOCK CONNECTION SHALL BE FURNISHED FOR EACH PIPE TO MANHOLE CONNECTION.
4. MAXIMUM HEIGHT OF GRADE ADJUSTMENT RINGS SHALL NOT EXCEED 12".
5. ALL MANHOLE COMPONENTS SHALL BE H-20 TRAFFIC LOAD RATED.
6. MANHOLE RIMS MUST BE 2' ABOVE FINISHED GRADE, IN OUTFALL CONDITIONS AND IN 100-YEAR FLOOD AREAS. UNLESS EXCEPTIONS ARE GRANTED BY THE CITY IN ACCORDANCE TO CITY CODE.
7. WHERE THE MANHOLE RIM WILL BE LESS THAN 2' ABOVE THE 100-YEAR FLOOD ELEVATION, THE MANHOLE RIMS AND COVERS ARE TO BE SEALED/WATERTIGHT WITH BOLTED RIM AND COVERS; AND THE MANHOLE IS TO BE VENTED WITH A VENT PIPE UNLESS A VENT MANHOLE OR VENT PIPE IS WITHIN 1000' OF THE MANHOLE. AN OUTFALL MANHOLE RIM ELEVATION CANNOT EXCEED 3' ABOVE FINAL GRADE.
8. MANHOLES SHALL NOT BE LOCATED WITHIN ANY FEATURE CONVEYING OR POOLING STORMWATER.
9. FOR SANITARY SEWER LINES ENTERING AND EXITING A MANHOLE SEPARATED BY 225°--270° OR 90°--135°, THE INVERT-IN AND INVERT-OUT ELEVATIONS SHALL HAVE A VERTICAL SEPARATION OF AT LEAST FIVE-TENTHS OF ONE FOOT. ALL OTHER MANHOLES SHALL HAVE AT LEAST TWO-TENTHS OF VERTICAL SEPARATION BETWEEN THE INVERT-IN AND INVERT-OUT ELEVATIONS.
10. 5' DIAMETER INSIDE DROP MANHOLES SHALL BE PROVIDED WHERE INVERT SEPARATIONS EQUAL 2' OR GREATER FOR 12" DIAMETER PIPES OR SMALLER. IF THREE 12" DIAMETER OR SMALLER PIPE DROPS ARE NEEDED AT A MANHOLE, A 6" INSIDE DROP MANHOLE SHALL BE PROVIDED. IF THE INVERT SEPARATION IS 2' OR GREATER AND A PIPE DIAMETER LARGER THAN 12", AN OUTSIDE DROP MANHOLE SHALL BE PROVIDED. (SEE DROP MANHOLE DETAIL.)



SECTION A-A

PIPE DIAMETER (INCHES)	MANHOLE DIAMETER (FEET)
8 TO 16	4
18 TO 36	5
39 TO 54	6
54 AND LARGER	8



CITY OF CONCORD  
STANDARD DETAIL  
**PRECAST CONCRETE  
MANHOLE**

1	2/27/20	SVM	STEP SPACING			
No.	Date	By	REVISION			
Drawn By:	Checked By:	Approved By:	Date	Sht	of	
SVM	GS	MSH	07/21	1	1	