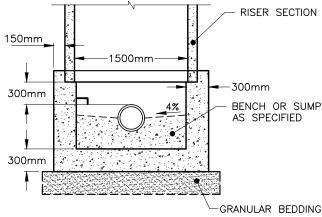
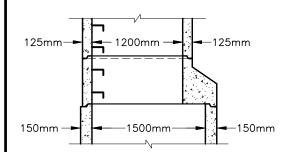


PRECAST SLAB BASE



B. CAST-IN-PLACE BASE



C. TAPERED TRANSITION SLAB

1500mm D. 1500mm PRECAST E. 1200mm PRECAST

300mm MAX.

H H H

MAINTENANCE

1800mm

MIN.

1200 mm

1500mm

*MEASURED TO BENCHING OR SUMP, WHICHEVER IS APPLICABLE

FLAT CAP

RISER **SECTION**

300mm MAX.*

300mm

FLAT CAP

FLAT CAP

1200mm

FRAME AND COVER AS PER AS-304 TO BE SET IN FULL MORTAR BED TO PROPER GRADE

SEE ALTERNATIVE 'D' & 'E'

CHIMNEY TO BE ALIGNED WITH OUTLET SEWER

RISER SECTIONS AS REQUIRED

WHEREVER PRACTICAL

TRANSITION SLAB

APPROVED BASE

SEE ALTERNATIVE 'C'

BENCHING REQUIRED FOR

SANITARY MAINTENANCE HOLES

MONOLITHIC BASE WITH INLET

& OUTLET OPENINGS TO SUIT; SEE ALTERNATIVES A & B

AS PER AS-213

TAPERED TOP

& WITH APPROVED ADJUSTMENTS

NOTES:

- THE SUMP IS MEASURED FROM THE LOWEST INVERT, FOR SUMP DETAIL SEE AS-314A.
- 2. GRANULAR 'A' BACKFILL SHALL BE PLACED AND COMPACTED IN LIFTS NOT EXCEEDING 300mm TO A MINIMUM WIDTH OF 300mm AROUND THE ENTIRE PERIMETER OF THE MAINTENANCE HOLE.
- 3. PRECAST CONCRETE COMPONENTS SHALL BE ACCORDING TO OPSD 701 & 703 SERIES.
- a) SANITARY MAINTENANCE HOLES SHALL HAVE GASKETED FLEXIBLE WATERTIGHT CONNECTIONS FOR ALL INLET AND OUTLET PIPES, UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER.
 - b) STORM INLET AND OUTLET SUPPORT SHALL BE CLASS 'A' BEDDING TO FIRST PIPE JOINT BEYOND MANHOLE (RIGID PIPE) OR HAVE A FLEXIBLE JOINT WITHIN 900mm OF MAINTENANCE HOLE WALL (RIGID OR FLEXIBLE PIPE) WITH CLEAR STONE BEDDING.
- 5. MAINTENANCE HOLE STEPS IN ACCORDANCE WITH AS-305.
- 6. FROST STRAPPING FOR SANITARY MAINTENANCE HOLES AS PER AS-314 TO EXTEND 2.0m BELOW FINISHED GRADE (1.0m BELOW FROST DEPTH).

- 7. WATERPROOFING MEMBRANE FOR SANITARY MAINTENANCE HOLES AS PER AS—314, SHALL BE INSTALLED PRIOR TO INSTALLATION OF FROST STRAPPING.
- STRUCTURES EXCEEDING 5.0m IN DEPTH SHALL INCLUDE SAFETY PLATFORM ACCORDING TO APPLICABLE OPSD, UNLESS OTHERWISE DIRECTED BY THE CITY ENGINEER.

NOT TO SCALE



CITY OF WINDSOR

ENGINEERING DEPARTMENT

PRECAST MAINTENANCE HOLE 1500mm DIAMETER

DR'N BY: NB, AZ	DATE: MAR, 2017	
REV. DATE: MAR, 2025	CH'KD BY (ENG): PM, SC	
CH'KD BY (GED/OPS): PJU, AL	PASSED BY: FM	
CITY ENGINEER		AS-314B