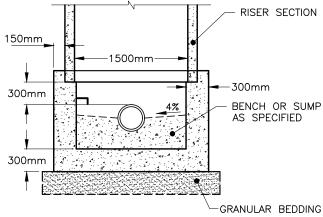
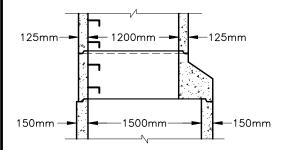


PRECAST SLAB BASE



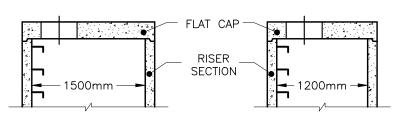
H H H 300mm MAINTENANCE TRANSITION SLAB SEE ALTERNATIVE 'C' 1500mm BENCHING REQUIRED FOR SANITARY MAINTENANCE HOLES 1800mm MONOLITHIC BASE WITH INLET MIN. & OUTLET OPENINGS TO SUIT; SEE ALTERNATIVES A & B 300mm MAX.* APPROVED BASE

*MEASURED TO BENCHING OR SUMP, WHICHEVER IS APPLICABLE



B. CAST-IN-PLACE BASE

C. TAPERED TRANSITION SLAB



D. 1500mm PRECAST FLAT CAP

300mm MAX.

1200 mm

E. 1200mm PRECAST FLAT CAP

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

AS PER AS-213

TAPERED TOP

& WITH APPROVED ADJUSTMENTS

NOTES:

- THE SUMP IS MEASURED FROM THE LOWEST INVERT, FOR SUMP DETAIL SEE AS-314A.
- 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.
- 4. PIPE SUPPORT SHALL BE CLASS 'A' BEDDING TO FIRST PIPE JOINT BEYOND MANHOLE (RIGID PIPE) OR A FLEXIBLE JOINT WITHIN 900mm OF MANHOLE WALL (RIGID OR FLEXIBLE PIPE) WITH SEWER 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.

NOT TO SCALE



CITY OF WINDSOR

ENGINEERING DEPARTMENT

PRECAST MAINTENANCE HOLE 1500mm DIAMETER

DATE: MAR, 2017 DR'N BY: NB, AZ REV. DATE: DEC, 2024 CH'KD BY (ENG): PM, JH CH'KD BY (GEO/OPS): PJU, AL PASSED BY: FM

David Simpson CITY ENGINEER

AS-314B