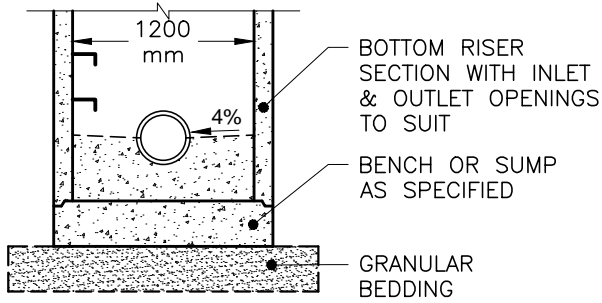
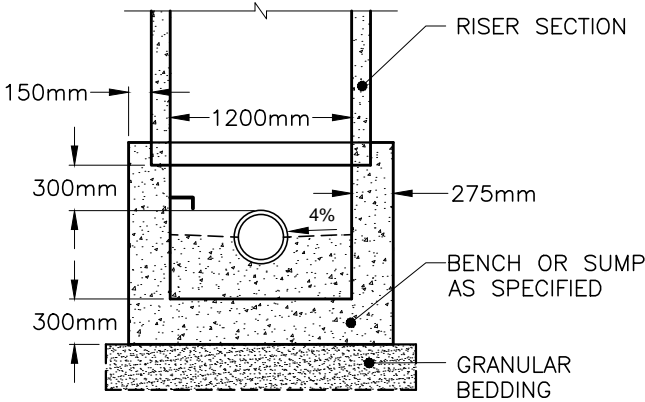


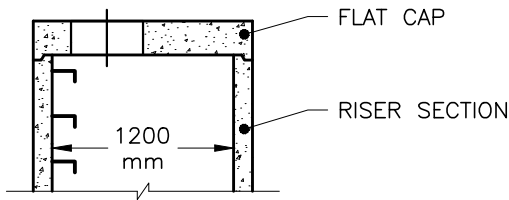
ALTERNATIVES



A. PRECAST SLAB BASE



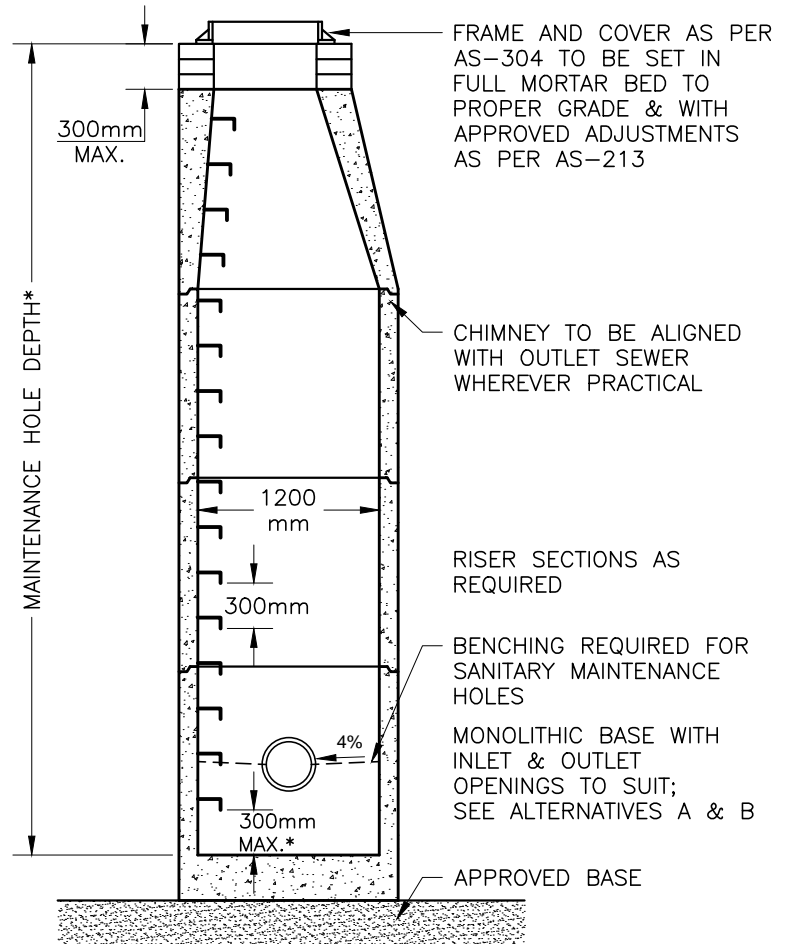
B. CAST-IN-PLACE BASE



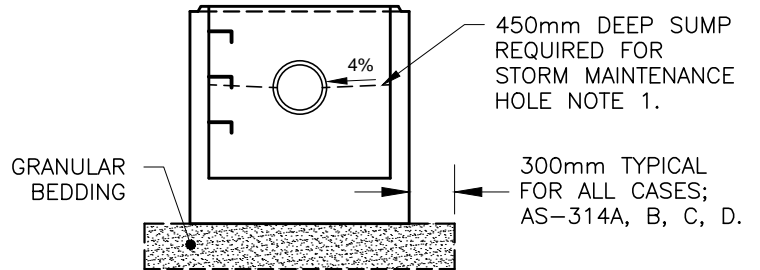
C. PRECAST FLAT CAP

NOTES:

1. THE SUMP IS MEASURED FROM THE LOWEST INVERT.
2. COMPACTED GRANULAR 'A' BACKFILL SHALL BE PLACED TO A MINIMUM THICKNESS OF 300mm ALL AROUND 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 MANHOLES AS PER OPSD 701.100 TO EXTEND 2.0m BELOW FINISHED GRADE (1.0m BELOW FROST DEPTH).




*MEASURED TO BENCHING OR SUMP, WHICHEVER IS APPLICABLE



SUMP DETAIL

NOT TO SCALE

| | |
|---|------------------------|
|  CITY OF WINDSOR ENGINEERING DEPARTMENT | |
| PRECAST MAINTENANCE HOLE 1200mm DIAMETER | |
| DR'N BY: NB, AZ | DATE: MAR, 2017 |
| REV. DATE: JUN, 2024 | CH'KD BY (ENG): PM, JH |
| CH'KD BY (GEO/OPS): PJU, AL | PASSED BY: FM |
| _____ CITY ENGINEER | AS-314A |