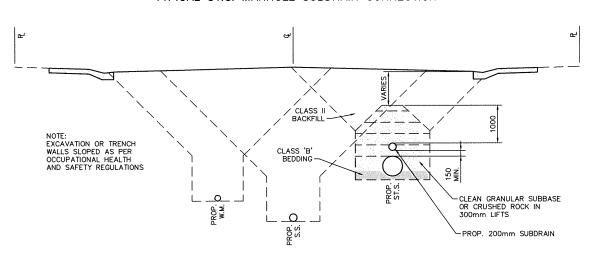


SECTION 'C-C'

CHANNELLING -

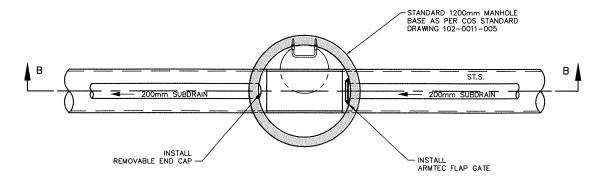
REPOSITIONED FLAP GATE FLUSH AGAINST MANHOLE INTERIOR WALL AND ADDED NOTE REGARDING EXCAVATION SLOPES.

TYPICAL ST.S. MANHOLE SUBDRAIN CONNECTION

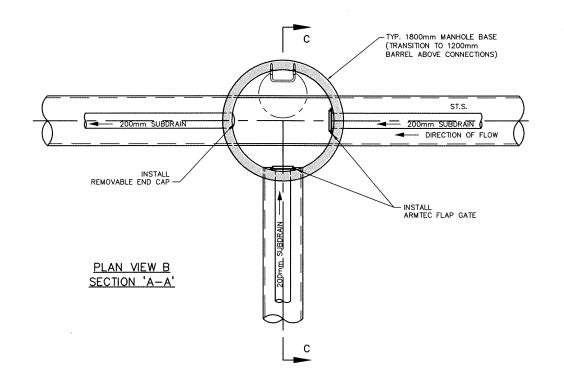


TYPICAL SUBDRAIN COMBINED WITH STORM SEWER

2014-JUL-08 DLH



PLAN VIEW A SECTION 'A-A'



NOTES:

- PIPE SHALL BE BOSS 2000 HDPE FACTORY PERFORATED SUBDRAIN OR APPROVED EQUIVALENT AND SHALL BE CONSTRUCTED WITH ARMTEC WOVEN GEOTEXTILE SOCK OR APPROVED EQUIVALENT.
- 2. PIPE SHALL BE EMBEDDED IN CLEAN GRANULAR SUBBASE OR CRUSHED ROCK AS PER COS STANDARD CONSTRUCTION SPECIFICATIONS UNLESS OTHERWISE NOTED.
- 3. SUBDRAIN SHALL BE GRADED PARALLEL TO ST.S. PIPE AND SHALL BE CONNECTED TO ST.S. MANHOLES AT ALL INTERSECTIONS.
- 4. ARMTEC MODEL 20C FLAP GATE OR EQUIVALENT SHALL BE INSTALLED AT ALL DOWNSTREAM CONNECTIONS TO ST.S. MANHOLES AS PER MANUFACTURER'S INSTALLATION GUIDELINES AND
- 5. REMOVABLE END CAPS c/w SNAP ADAPTERS SHALL BE INSTALLED AT ALL UPSTREAM CONNECTIONS TO ST.S. MANHOLES.
- 6. A MINIMUM OF 300mm HORIZONTAL AND 150mm VERTICAL SEPARATION SHALL BE MAINTAINED BETWEEN PIPES IN COMMON
- BACKFILL & COMPACT CLAY & GRANULAR MATERIAL SIMULTANEOUSLY IN 300mm LIFTS.
- 8. LOCATION & ELEVATION OF SUBDRAIN CONNECTION SHALL BE
- 9. ALIGNMENT OF SUBDRAIN CONNECTION TO MANHOLE (UPSTREAM & DOWNSTREAM) SHALL BE DETERMINED IN THE FIELD AND AS PER

DETAILS ARE A VISUAL REPRESENTATION ONLY AND ARE NOT INTENDED TO BE SCALED

DIMENSIONS ARE IN MILLIMETRES UNLESS/NOTED,



STANDARD ST.S. SUBDRAIN DETAIL ALTERNATIVE INSTALLATION WHERE ST.S. CROWN IS DEEPER THAN 2.3m

JAN 0 8 2016

102-0011-032r003

APPROVED BY: Jake Chen 06/01/2016 Jan. 6, 2016