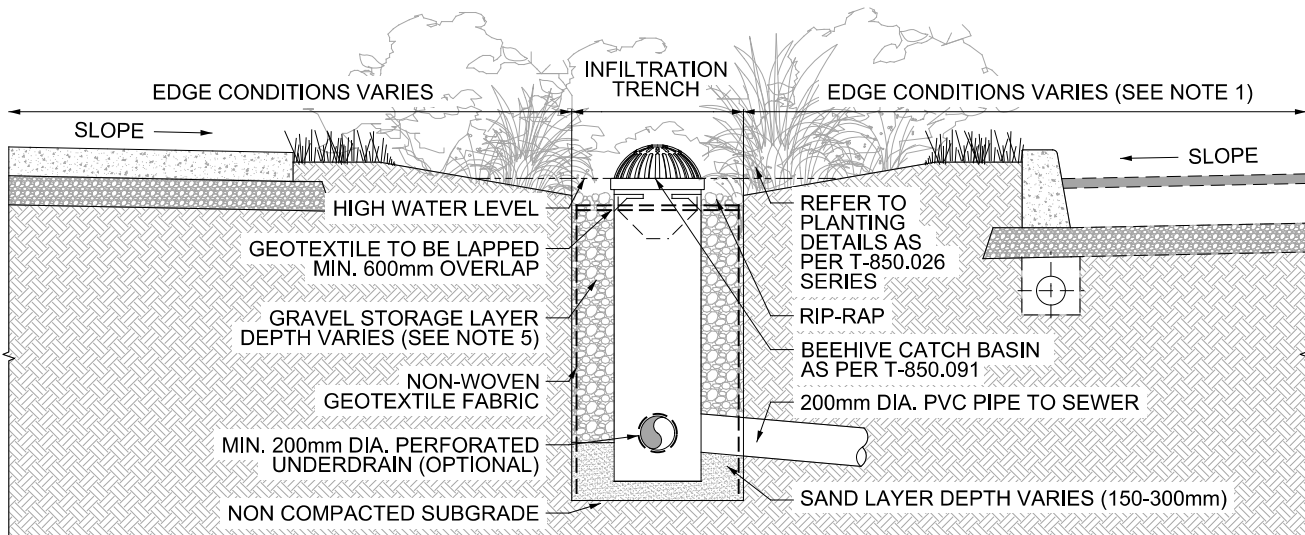


PLAN



SECTION A-A

NOTES:

1. WHERE RUNOFF ORIGINATES FROM A ROADWAY, PROVIDE A VEGETATION FILTER STRIP WHERE SPACE IS AVAILABLE. WHERE SPACE IS NOT AVAILABLE, PROVIDE A CURB AND PRE-TREATMENT INLET.
2. TRENCH LENGTH VARIES BASED ON DESIRED CAPACITY. BOTTOM SURFACE SHALL BE LEVEL. TRENCH SHALL BE CONSTRUCTED TO PROVIDE A RECTANGULAR CROSS-SECTION WITH 600mm TO 2400mm WIDTH.
3. CLEANOUTS TO BE CONNECTED TO PERFORATED UNDERDRAIN WITH 30 OR 45 DEGREE ELBOW ORIENTED TOWARDS THE MONITORING WELL. CLEANOUTS TO BE PROVIDED AT MAX. 30m SPACING.
4. SAND LAYER TO CONTAIN MINIMAL FINES AND ORGANIC MATTER.
5. 80-40mm CLEAN WASHED CRUSHED STONE STORAGE. DEPTH VARIES.
6. UNDERDRAIN TO BE MIN. 200mm DIA. HDPE OR EQUIVALENT. SMOOTH INTERIOR WALLED PERFORATED PIPE. PERFORATIONS TO BE ON THE BOTTOM SIDE OF THE PIPE. ANY PERFORATIONS ON THE TOP SIDE OF THE UNDERDRAIN PIPE TO BE TAPED OFF WITH MEMBRANE STRIPS. INSTALL UNDERDRAIN BELOW FROST LEVEL.
7. CONNECTIONS TO OR FROM THE UNDERDRAIN SHALL BE MADE WITH SOLID WALL PIPE EXTENDING MIN. 300mm OUTSIDE OF THE INFILTRATION TRENCH WALL. ANY PENETRATION THROUGH THE GEOTEXTILE WALL SHALL BE MADE WITH A MIN. DIA. STAR CUT IN THE GEOTEXTILE WITH RESIDUAL FABRIC LAPPED OUTWARDS AND SECURED ONTO THE SOLID WALL PIPE WITH MEASURES TO MINIMIZE RISK OF INGRESS OF FINES INTO THE INFILTRATION TRENCH.
8. GEOTEXTILE FABRIC TO BE NON-WOVEN NEEDLE PUNCHED FABRIC OR APPROVED EQUIVALENT. LINE SIDEWALLS AND OVERLAP 600mm AT TOP.

All dimensions are in millimetres unless otherwise shown.

ENGINEERING & CONSTRUCTION SERVICES STANDARD DRAWING

REV 0

SEP 2021



INFILTRATION TRENCH

LAYOUT AND SECTION

T-850.161

NTS

SHEET 1