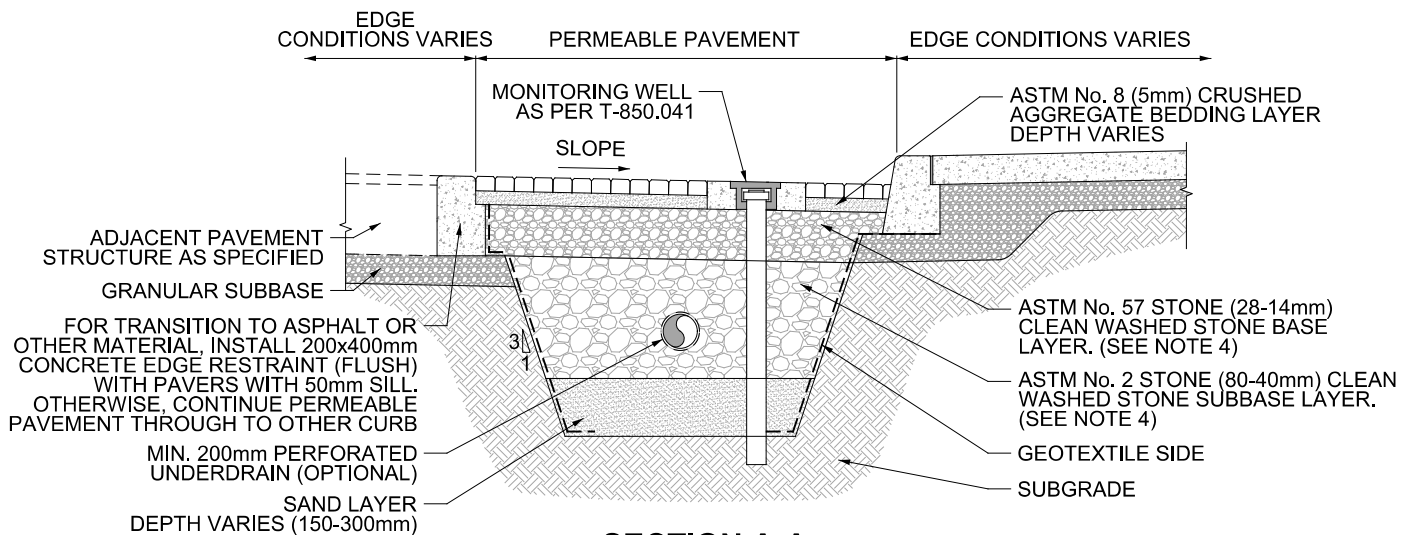


**PLAN**



**SECTION A-A**

**NOTES:**

1. 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.
2. CLEANOUTS TO BE CONNECTED TO PERFORATED UNDERDRAIN WITH 30 OR 45 DEGREE ELBOW ORIENTED TOWARDS THE MONITORING WELL. CLEANOUTS TO BE PROVIDED AT MAX. 40m SPACING.
3. SAND LAYER TO CONTAIN MINIMAL FINES AND ORGANIC MATTER.
4. DEPTH WILL VARY. ENGINEER TO CONFIRM DEPTH BASED ON TRAFFIC LOADING CONDITIONS AND HYDRAULIC STORAGE REQUIREMENTS.
5. 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. UNDERDRAIN TO BE INSTALLED BELOW FROST LEVEL AND LOCATED FOR FULL OR PARTIAL INFILTRATION BASED ON HYDRAULIC REQUIREMENTS.
6. CONNECTIONS TO OR FROM THE UNDERDRAIN SHALL BE MADE WITH SOLID WALL PIPE EXTENDING MIN. 300mm OUTSIDE OF THE INFILTRATION TRENCH WALL. ANY PERFORATIONS 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.
7. GEOTEXTILE FABRIC TO BE NON-WOVEN NEEDLE PUNCHED FABRIC OR APPROVED EQUIVALENT. LINE SIDEWALLS AND OVERLAP 600mm AT TOP.
8. IDENTIFICATION MEDALLION TO BE INSTALLED ON SIDEWALK OR CURB ADJACENT TO INSTALLATION. REFER TO GSTG GUIDELINE DRAWING G-1.

All dimensions are in millimetres unless otherwise shown.



ENGINEERING & CONSTRUCTION SERVICES STANDARD DRAWING

**INFILTRATION GALLERY UNDER  
PERMEABLE PAVEMENT**

LAYOUT AND SECTION

REV 0

SEP 2021

**T-850.162**

NTS

SHEET 2