



**SECTION A-A**

- NOTES:
- UNDERDRAIN IS REQUIRED WHERE NATIVE SOIL INFILTRATION RATES ARE LESS THAN 15mm/hr, WHEN TREE PLANTINGS ARE PRESENT, OR WHEN GREEN INFRASTRUCTURE SYSTEM IS MEMBRANE LINED. UNDERDRAIN TO BE 200mm DIA. SMOOTH INTERIOR WALLED PERFORATED PIPE WRAPPED IN GEOTEXTILE FABRIC, INSTALLED 150mm MIN. ABOVE BASE OF GREEN INFRASTRUCTURE SYSTEM.
  - BIORETENTION PLANTER WIDTH TO BE MIN. 3500mm WHERE TREES ARE PROPOSED AND MIN. 1850mm WITHOUT TREES.
  - FOR TREE HEALTH, LOCATE INLETS AWAY FROM ROOT BALLS TO MINIMIZE POTENTIAL DAMAGE.
  - GRAVEL USED FOR DRAINAGE LAYER TO BE 20 OR 50mm UNIFORMLY GRADED, CLEAN (MAXIMUM WASH LOSS OF 0.5%), CRUSHED ANGULAR STONE THAT HAS A POROSITY OF 0.4.
- All dimensions are in millimetres unless otherwise shown.

	ENGINEERING & CONSTRUCTION SERVICES STANDARD DRAWING	REV 0	SEP 2021
	<b>BIORETENTION PLANTER</b>	<b>T-850.051-2</b>	
	IN MEDIAN TYPICAL SECTION	1:30	SHEET 1