



NOTES:

- PERFORATED DISTRIBUTION PIPE SHALL BE FLAT (0.0% SLOPE) WITH PERFORATIONS EXCLUSIVELY BELOW SPRINGLINE.
- PROVIDE MAXIMUM NUMBER OF DISTRIBUTION PIPE ROWS ACHIEVABLE BASED ON SYSTEM GEOMETRY. REFER TO LANDSCAPE ARCHITECT / SOIL CELL MANUFACTURER FOR ACCEPTABLE DISTRIBUTION PIPE LAYOUT. 90 DEGREE DISTRIBUTION PIPE BENDS SHALL BE TWO (2) 45 DEGREE OR THREE (3) 30 DEGREE COUPLINGS. DISTRIBUTION AND UNDERDRAIN PIPE CLEANOUTS SHALL BE SPACED AT 30m MAX. PROVIDE A MIN. 0.5m SOLID WALL TRANSITION FROM CLEANOUT PIPE BENDS TO PERFORATED PIPE SEGMENTS.
- UNDERDRAIN SHALL BE 200mm DIA. SMOOTH INTERIOR WALLED PERFORATED PIPE, SLOPED AT 0.5% MIN. TOWARDS OUTLET, AND INSTALLED 100mm MIN. ABOVE BASE OF EXCAVATION. SPACING OF UNDERDRAIN OUTLETS TO MINOR SYSTEM SHALL NOT EXCEED 100m. OUTFLOW CONTROL AT UNDERDRAIN OUTLETS SHALL BE CONSIDERED BY ENGINEER ON SITE SPECIFIC BASIS.
- GRAVEL USED FOR DRAINAGE LAYER TO BE 40-20mm UNIFORMLY GRADED, CLEAN (MAXIMUM WASH LOSS OF 0.5%), CRUSHED ANGULAR STONE THAT HAS A POROSITY OF 0.4.
- SOIL CELL SYSTEMS WITH STORMWATER DISTRIBUTION SHALL BE SET BACK FROM BUILDING FOUNDATIONS BASED ON ENGINEERING ANALYSIS. TYPICAL SET BACK SHALL BE 4m. REDUCED SET BACKS WITH FLOOD MITIGATIONS SHALL BE APPROVED BY THE CITY.
- SEE MANUFACTURER'S DETAILS AND SPECIFICATIONS FOR SOIL CELL SYSTEM, GEOTEXTILE, GEOGRID, TRENCH AND SUBGRADE PREPARATION, AND BACKFILL MATERIALS.

All dimensions are in millimetres unless otherwise shown.

	ENGINEERING & CONSTRUCTION SERVICES STANDARD DRAWING	REV 0	APR 2022
	CONTINUOUS SOIL TRENCH WITH SOIL CELLS STORMWATER DISTRIBUTION DETAILS TYPICAL SECTION AT MID-BLOCK	T-850.184-2	
		NTS	SHEET 1