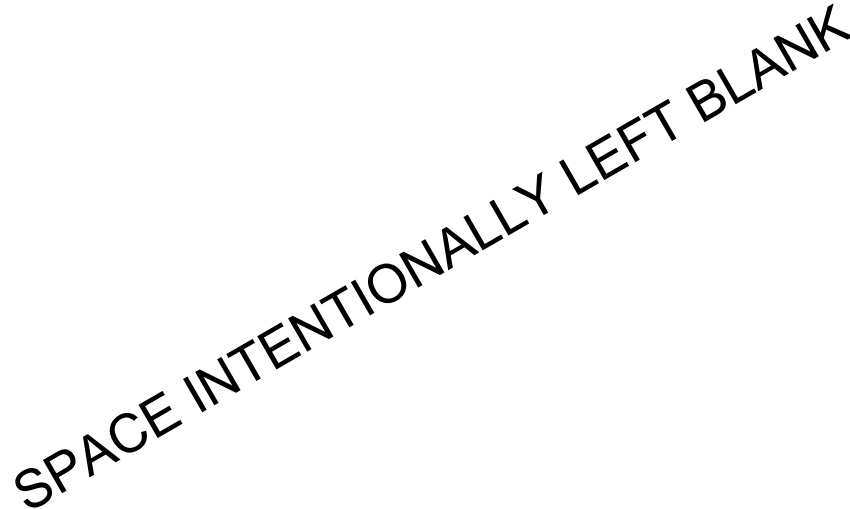


**NOTES**

- THE SITE DESIGN ENGINEER MUST REVIEW ELEVATIONS AND IF NECESSARY ADJUST GRADING TO ENSURE THE CHAMBER COVER REQUIREMENTS ARE MET.
- NOT FOR CONSTRUCTION:** THIS LAYOUT IS FOR DIMENSIONAL PURPOSES ONLY TO PROVE CONCEPT & THE REQUIRED STORAGE VOLUME CAN BE ACHIEVED ON SITE



| PRE-CORED HOLES AT BOTTOM OF END CAP FOR PART NUMBERS ENDING WITH "BPC" |              |                |              |
|-------------------------------------------------------------------------|--------------|----------------|--------------|
| PRE-CORED HOLES AT TOP OF END CAP FOR PART NUMBERS ENDING WITH "TPC"    |              |                |              |
| SC800E                                                                  | STUB         | B              | C            |
| SC800EPE06TPC                                                           | 150 mm (6")  | 544 mm (21.4") | ---          |
| SC800EPE08BPC                                                           | ---          | ---            | 23 mm (0.9") |
| SC800EPE08TPC                                                           | 200 mm (8")  | 488 mm (19.2") | ---          |
| SC800EPE09BPC                                                           | ---          | ---            | 26 mm (1.0") |
| SC800EPE10TPC                                                           | 250 mm (10") | 432 mm (17.0") | ---          |
| SC800EPE10BPC                                                           | ---          | ---            | 30 mm (1.2") |
| SC800EPE12TPC                                                           | 300 mm (12") | 366 mm (14.4") | ---          |
| SC800EPE12BPC                                                           | ---          | ---            | 41 mm (1.6") |
| SC800EPE15TPC                                                           | 375 mm (15") | 287 mm (11.3") | ---          |
| SC800EPE15BPC                                                           | ---          | ---            | 43 mm (1.7") |
| SC800EPE18TPC                                                           | 450 mm (18") | 203 mm (8.0")  | ---          |
| SC800EPE18BPC                                                           | ---          | ---            | 51 mm (2.0") |
| SC800ECEZ                                                               | 600 mm (24") | ---            | 58 mm (2.3") |

**NOTES:**

1. CHAMBERS SHALL MEET THE REQUIREMENTS OF CSA B184.2 "POLYMERIC SUBSURFACE STORMWATER MANAGEMENT STRUCTURES FOR POLYPROPYLENE (PP) CHAMBERS".
2. SC-800 CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH CSA B184.0 "POLYMERIC SUBSURFACE STORMWATER MANAGEMENT STRUCTURES".
3. THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR ASSESSING THE BEARING RESISTANCE (ALLOWABLE BEARING CAPACITY) OF THE SUBGRADE SOILS AND THE DEPTH OF FOUNDATION STONE WITH CONSIDERATION FOR THE RANGE OF EXPECTED SOIL MOISTURE CONDITIONS. REFERENCE STORMTECH DESIGN MANUAL FOR BEARING CAPACITY GUIDANCE.
4. PERIMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS.
5. REQUIREMENTS FOR HANDLING AND INSTALLATION:
  - TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING STACKING LUGS.
  - TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 50 mm (2").
  - TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, AS THE ARCH STIFFNESS CONSTANT AS DEFINED IN SECTION 7.2.2.6 OF CSA B184.0 SHALL BE GREATER THAN OR EQUAL TO 700 LBS/FT<sup>2</sup> (AND) TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 73° F / 23° C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLOURS.

SPACE INTENTIONALLY LEFT BLANK