

FIGURE B.16 TYPICAL INSPECTION CHAMBER DETAIL - TYPE 3 (FLEXIBLE MATERIAL DETAIL) MAXIMUM DEPTH FROM COVER LEVEL TO SOFFIT OF PIPE IN AREAS SUBJECT TO VEHICLE LOADING 3m, NON ENTRY SCALE 1:25

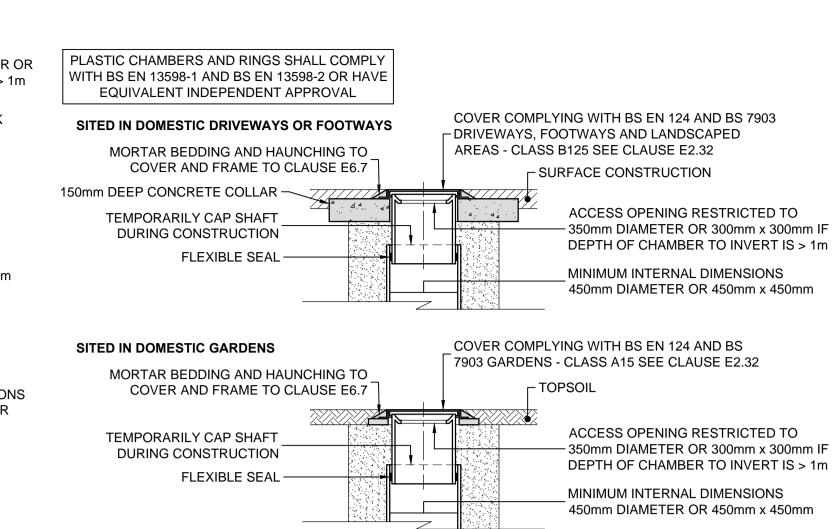
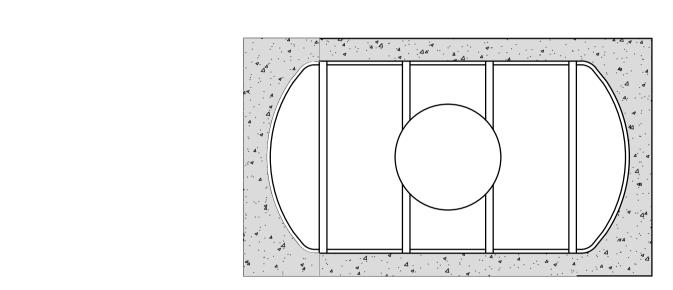
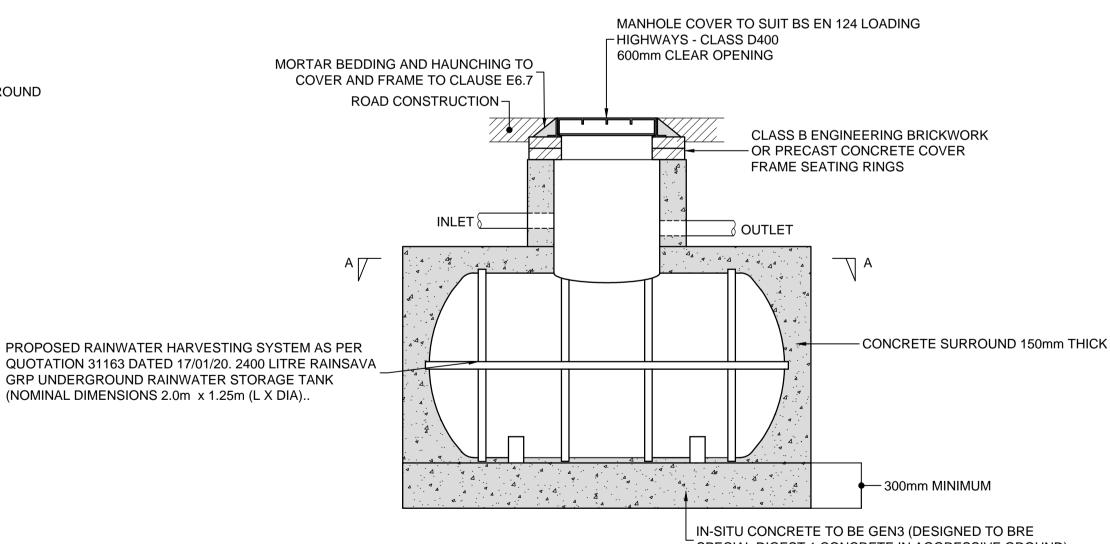


FIGURE B.17 ALTERNATIVE TOP DETAILS FOR LIGHT VEHICLE LOADING AND LANDSCAPED AREAS - TYPE 3 SCALE 1:25





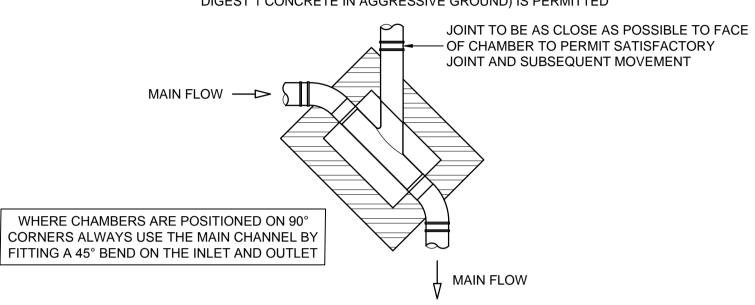
PLAN A - A

INSTALLATION OF RAINWATER HARVESTING SYSTEM SCALE 1:25

MANHOLE COVER TO SUIT BS EN 124 LOADING DRIVEWAYS AND FOOTWAYS - CLASS B125 MORTAR BEDDING AND HAUNCHING TO GARDENS - CLASS A15 COVER AND FRAME TO CLAUSE E6.7 SEE CLAUSE E2.32 CLASS B ENGINEERING BRICKS OR CONCRETE RINGS NOT-MINIMUM INTERNAL DIMENSIONS LESS THAN 200mm THICK 450mm x 600mm HIGH-STRENGTH CONCRETE TOPPING MINIMUM 20mm THICK. BENCHING -SEE FIGURE B.14 AND CLAUSE E6.6.2 SLOPE TO BE 1:10 TO 1:30 FOR ROCKER PIPE DETAILS ARCH OVER PIPE -225mm TO UNDERSIDE OF PIPE --150mm MINIMUM IN-SITU CONCRETE TO BE GEN3 (DESIGNED TO BRE **INVERTS TO BE FORMED**

NOTE: THE USE OF PRECAST RECTANGULAR CONCRETE MANHOLE UNITS WITH 150mm GRADE GEN3 CONCRETE SURROUND (DESIGNED TO BRE SPECIAL DIGEST 1 CONCRETE IN AGGRESSIVE GROUND) IS PERMITTED

SPECIAL DIGEST 1 CONCRETE IN AGGRESSIVE GROUND)



USING CHANNEL PIECES

NOTE: WHERE THE ACCESS CHAMBER IS IN THE HIGHWAY THE HIGHWAY AUTHORITY CAN HAVE SPECIFIC REQUIREMENTS

FIGURE B.23

TYPICAL ACCESS CHAMBER DETAIL - TYPE 4 (RIGID MATERIAL DETAIL) MAXIMUM DEPTH FROM COVER LEVEL TO SOFFIT OF PIPE 1m, NON ENTRY SCALE 1:25

> '00 | 'MAR 20 | AJB | DRAFT FOR COMMENT Rev Date Drawn Description

Morton-Roberts Consulting Engineers Limited Sophia House, 28 Cathedral Road Cardiff web site: www.mortonroberts.com CF11 9LJ e-mail: enquiries@mortonroberts.com

MAINDEE UNLIMITED

Tel: 02920 660283

PUBLIC TOILET BLOCK CONVERSION MAINDEE TRIANGLE, CHEPSTOW ROAD PROPOSED DRAINAGE DETAILS

Designed AJB	Int'face Chk		Des Valid'n	
Drawn	Des Verific'n		Approved	AJB
AS SHOW	Drawing No 1	Drawing No 1158/00/011		

- COMPRESSIBLE FILLER - CONCRETE PIPE SURROUND SPIGOT AND SOCKET JOINT

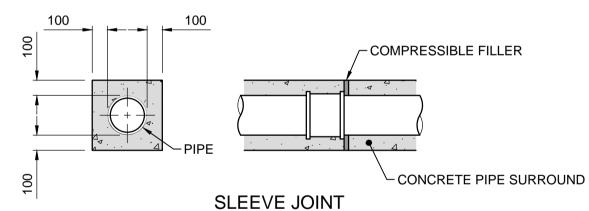


FIGURE B.26 JOINTS FOR CONCRETE ENCASED PIPES SCALE 1:25

1. ALL DIMENSIONS ARE IN METRES AND ALL LEVELS ARE IN METRES ABOVE TEMPORARY DATUM.

2. RAINWATER HARVESTING SYSTEM TANK IS TO BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

3. TO RESTRICT UNAUTHORISED ACCESS, CHAMBER TYPE 3 IS TO HAVE CLASS D400 COVER OR CLASS B125 LOCKING TYPE COVER.

