HALF WALL THICKNESS

CAST IRON FRAME & COVER TO SS30

200 THK RC SLAB
225 THK BRICK WALL UP TO
12M DEPTH AND/OR MIN
200 THK REINFORCED CONCRETE

CEMENT MORTAR
RENDERING TO BRICKWALL
HALF ROUND VITRIFIED
CLAY CHANNEL
CONCRETE BENCHING
(SLOPE : 1 IN 6 TO
1 IN 10)
CONCRETE HAUNCHING
GRADE C20/25
Ø50 DRAIN-LINE
GRADE C28/35
CONCRETE
LEAN CONCRETE

SECTION A - A
(ON SOFT GROUND)

25mm THICK SOFT BOARD (CELLOTEX)
OR OTHER APPROVED MATERIAL

BREAK JOINT
CONCRETE HAUNCHING
GRADE C20/25

LEAN CONCRETE
WSFR MESH AID
PILLING

BREAK JOINT

INSPECTION CHAMBER (IC) AND BREAK JOINT FOR DRAIN-LINE

1. MEDIUM OR HEAVY DUTY FRAME AND COVER SHALL BE USED ON DRIVEWAY AND CAR-PARK.
2. VENTILATING STACK NEED NOT BE PROVIDED FOR THE FIRST INSPECTION CHAMBER FOR
GUARD HOUSE, BIN CENTRE.
3. REFER TO PUB STANDARD DRAWINGS, PUB/WRN/STD/001B and 006B IF IC DEPTH > 2.5m < 10.5m.
4. WHERE IC DEPTH > 10.5m - PE’s DESIGN.
5. REINFORCED CONCRETE SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER.
6. ALL BRICKWALL SHALL BE LAYED AS MASONRY WALL TO EC6,
MASONRY UNITS SHALL BE MINIMUM ENGINEERING BRICK CLASS B TO EN772
IN M2 MORTAR, LAY AS A SINGLE LEAF WALL. TOTAL VOLUME OF
VERTICAL HOLES IN THE MASONRY UNITS SHALL NOT EXCEED 55% OF THE UNIT’S
GROSS VOLUME. HORIZONTAL HOLES SHALL NOT BE PERMITTED.

BREAK JOINT TO CONCRETE HAUNCHING

ALL DIMENSIONS ARE IN mm.