NOTES:
1. ALL DIMENSIONS ARE IN MILLIMETRES.
2. NOTATION OF THE SEQUENCE OF DESCRIPTION OF IDENTIFICATION MARKS ON DRAWINGS FOR STEEL REINFORCING BARS REINFORCEMENT FOR CONCRETE WORK IS AS FOLLOWS (NUMBER, TYPE, SIZE, MARK, SPACING, LOCATION OR COMMENT)
3. B DENOTES GRADE 500B RIBBED REINFORCEMENT.
4. R DENOTES GRADE 250 PLAIN REINFORCEMENT.
5. PIPE DIAMETER: 1.350 TO 2.100 mm
6. NORMAL RANGE OF DEPTH: 2.250 TO 4.000 mm (MEASURED FROM ROAD LEVEL TO LOWEST INVERT)
7. USED IN: STORMWATER DRAIN AND SEWER
8. JUNCTION: POSITION OF JUNCTION TO BE DETERMINED IN EACH INDIVIDUAL CASE. CHANNELS IMMEDIATELY UNDER ACCESS TO MANHOLE SHOULD BE AVOIDED.
9. TOP TREATMENT: SEE DRG. NO. DS 1032
10. FOUNDATION: FOUNDATION OF MANHOLE VARIES WITH SITE CONDITION. THEREFORE, IT SHOULD BE DETERMINED ON SITE BY THE ENGINEER.
11. CONCRETE: GRADE 30/20
12. ALL BAR MARKS APPEARED HEREON ARE USED FOR REFERENCE IN THIS DRAWING ONLY.
13. MINIMUM COVER AT END OF BARS 40 mm
14. COVER AND FRAME NOT SHOWN ON PLAN FOR CLARITY.

STANDARD MANHOLE
TYPE J
(WITHOUT DESILTING OPENING)
MANHOLE COVER AND FRAME
REF. BRG. No. DS 1034
FRAME BEDDED AND HAUNCHED
WITH 1:3 CEMENT MORTAR
ROAD LEVEL

STAINLESS STEEL HOOKS

FRAMES

CHAMFER 25
COVER 50
STEP IRONS AT
300 c/c STAGGERED

GROOVE FOR SHUT OFF BOARD

FOOT HOLE AT 375 c/c

SECTION A-A

BAR MARKS  SHAPE CODE
1 & 4  29
2 & 3  55
5 & 6  20

DRAINAGE SERVICES DEPARTMENT
STANDARD MANHOLE TYPE J
(WITH DESILTING OPENING)

NOTE 11. DELETED
NOTES 2, 3 & 4 ADDED

ORIGINAL SIGNED  29.4.2015

NOTE 11. REVISED
ORIGINAL SIGNED  24.11.2014

REDRAWN BY CAD
ORIGINAL SIGNED  8.2.2001

GENERAL REVIEW
ORIGINAL SIGNED  2.2.2001

REV.
DESCRIPTION
SIGNATURE
DATE

SCALE 1:25
DS 1013D
(SHEET 2 OF 3)
MANHOLE COVER AND FRAME REF. DRG. No. DS 1034
FRAME BEDDED AND HAUNCHED WITH 1:3 CEMENT MORTAR

150 APPROX.
500

200 750 200

Road Level

500

COVER 50
STAINLESS STEEL HOOK
127 x 76 x 13.36 kg R.S.J.

STEP IRON SERVING AS ANCHOR FOR SAFETY CHAIN

GROOVE FOR SHUT-OFF BOARD

CLASS U3 FINISH

CLASS F3 FINISH

FOOT HOLE AT 375 c/c

SECTION B-B

STANDARD MANHOLE TYPE J (WITHOUT DESILTING OPENING)

DRAINAGE SERVICES DEPARTMENT

REFERENCE DS 1013D

DRAWING No. SHEET 3 OF 3

SCALE 1:25

D NOTE 11 DELETED
NOTES 2, 3 & 4 ADDED
ORIGINAL SIGNED 29.4.2015

C NOTE 11 REVISED
ORIGINAL SIGNED 24.11.2014

B REDRAWN BY CAD
ORIGINAL SIGNED 8.8.2001

A GENERAL REVIEW
ORIGINAL SIGNED 2.2.2001

REV. DESCRIPTION SIGNATURE DATE