PLAN

CHAIN ANCHOR
(ON MANHOLE WALL)

VIEW 'X'

1 no. 16.5 dia screw anchors with a setting depth of 70 (Hilti type HUS-H or similar approved) on each side of wall.

15 thick steel plate

Grade 80 chain with 2.5 T ultimate capacity

10 thick steel plate

Grade 8.8 M16 bolt & nut (max. length of bolt to be 80)

3 fillet weld all around

Grade 80 chain with 1.5 T ultimate capacity

100x50x16 steel plate

DEVELOPED ELEVATION

10 thick steel plate

VIEW 'X'

Loosely coupled hex headed M16 bolt with lock nut of grade 8.8

Plastic sleeve on bolt refer to Note 10 of drawing no. H3146

Grade 80 chain with 2.5 T ultimate capacity

Nylon washers between bolt/nut and G.I. cover

SECTION B - B

CHAIN ANCHOR
(ON MANHOLE COVER)

Grade 80 chain with 1.5 T ultimate capacity

B

Grade 80 connector with 2.5 T ultimate capacity

Plastic sleeve on bolt refer to Note 10 of drawing no. H3146

Grade 80 chain with 2.5 T ultimate capacity

B

Grade 80 chain with 1.5 T ultimate capacity

Bottom plan of cover

SCALE 1 : 10

COVER RERAINT FOR DRAINAGE MANHOLES
(SHEET 2 OF 2)

NEW ISSUE

Jan 09

REF. SIGNATURE DATE

COVER RERAINT FOR DRAINAGE MANHOLES
(SHEET 2 OF 2)

HIGHWAYS DEPARTMENT

REFERENCE DRAWING No. CAD

SCALE 1:5 or as shown

H 3146