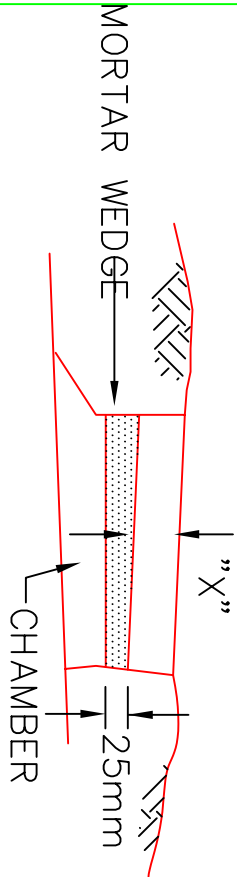


1. MANHOLE COVERS TO BE INSTALLED IN ACCORDANCE WITH CLAUSE 12.4.6 TO 12.4.9 FOR LIGHT TYPE COVERS (L) DIMENSION "X" – 150. FOR HEAVY TYPE COVERS (H) DIMENSION "X" – 190. WHERE SURFACES ARE INCLINED, COVERS ARE TO BE INSTALLED PARALLEL TO THE EXISTING SURFACE TO A MAXIMUM OF 6:1 (16.7%).



2. WHERE PRECAST TOP CONE UNITS ARE USED, JOINTS ARE TO BE AS SHOWN. IF CAST IN PLACE, A PLAIN CONSTRUCTION JOINT MAY BE USED.

3. GALVANISED MILD STEEL STEPIRONS TO BE CAST INTO WALLS.

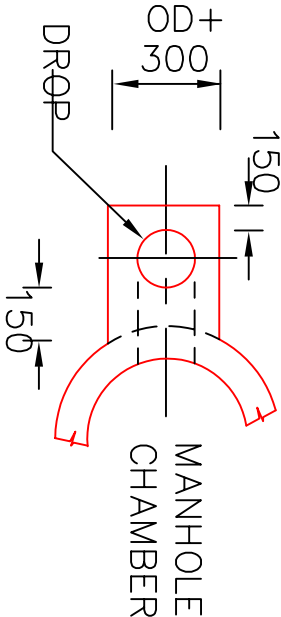
4. FALL THROUGH MANHOLE.  
LEVELS SHOWN ON LONG SECTIONS ARE GRADE LINES EXTENDED TO CENTRE OF MANHOLE.  
THESE ALLOW FOR AN ADDITIONAL FALL ACROSS THE MANHOLE OF >

ANGLE THROUGH MH.	SECTIONS A, C, & D.
$0^{\circ} < 'A' < 25^{\circ}$	30
$26^{\circ} < 'A' < 90^{\circ}$	50
$91^{\circ} < 'A' < 120^{\circ}$	100
$'A' > 120^{\circ}$	150

5. PIPES OF DIFFERENT DIAMETERS SHALL BE GRADED FROM OBVERT TO OBVERT UNLESS OTHERWISE SHOWN.

6. MANHOLES ARE TO BE CONSTRUCTED OF GRADE 20 CONCRETE, WITH MIN 12mm CEMENT RENDERING ON CHANNELS AND BENCHES. ALL BENCHES ARE TO SLOPE TOWARDS CHANNELS.

7. CONCRETE SURROUNDS TO BE OF GRADE 20 CONCRETE, PROVIDE MIN 150 COVER AS SHOWN.



8. MANHOLES ARE NOT TO BE CONSTRUCTED WITH DROPS IN THE FOLLOWING RANGES.

PIPE	DROP
150	300 – 460
225	300 – 540
300	300 – 620
375	400 – 760
450	400 – 810
525	400 – 920
600	400 – 1000

TO AVOID A DROP BETWEEN THE ABOVE RANGES, LOWER THE INVERT LEVEL OF THE INCOMING SEWER BY STEEPENING THE GRADE OF THE INCOMING LINE OR PROVIDING AN INTERMEDIATE THROUGH DROP MANHOLE.

9. MARKER POSTS AND PLATES TO BE INSTALLED WHERE DIRECTED.

10. ALL DIMENSIONS IN MILLIMETRES.

# SNOWY RIVER SHIRE COUNCIL

## MANHOLES

Surveyed By . . . . .	Drawn By . . . . .	Scale	Approved By	Date	Datum	Sheet No	Ref. No	Plan No
Job No . . . . .	Checked By . . . . .	N.T.S.				3 of 3		SD33C
Disk No . . . . .	Passed By . . . . .							