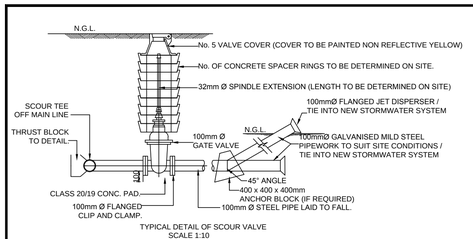
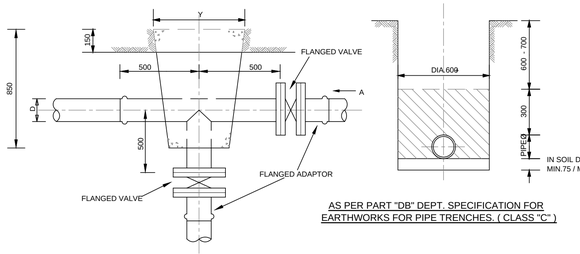
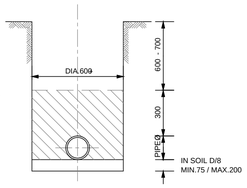


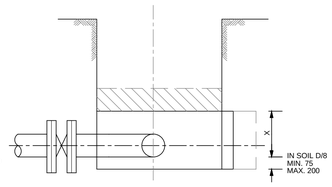

TYPICAL DETAIL OF SCOUR VALVE
SCALE 1:10



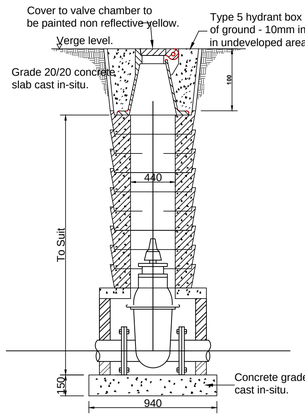

PLAN



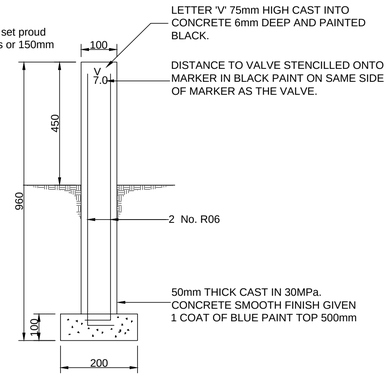

AS PER PART "DB" DEPT. SPECIFICATION FOR EARTHWORKS FOR PIPE TRENCHES. ( CLASS "C" )



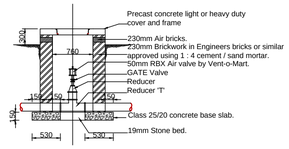

ELEVATION "A"

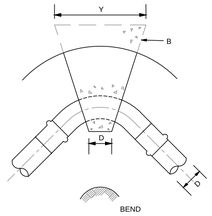



PRECAST VALVE CHAMBER
(FOR VALVES 150MMØ OR BIGGER
N. T. S.




STANDARD PRECAST CONCRETE VALVE MARKER
N.T.S.

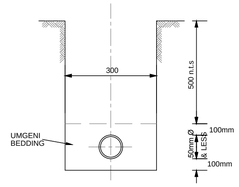


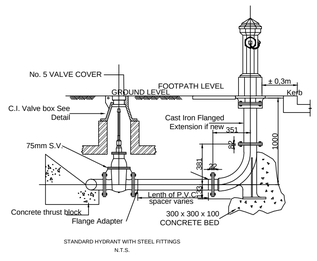

PLAN

THRUST BLOCK SIZES ( in mm )
in normal earth for heads of 120 m

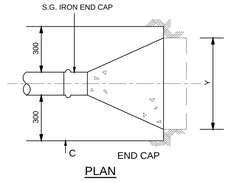
| PIPE SIZE | CAP | TEE (BRANCH) | 90° 1/4 BEND | 45° 1/8 BEND | 22.5° 1/16 BEND | 11.25° 1/32 BEND |
|---|---|---|---|---|---|---|
| 75mm | 200 x 200 | 200 x 650 | 250 x 300 | 200 x 250 | 200 x 200 | 200 x 200 |
| 100mm | 200 x 400 | 200 x 650 | 300 x 500 | 250 x 300 | 200 x 200 | 200 x 200 |
| 150mm | 300 x 600 | 300 x 650 | 500 x 600 | 350 x 500 | 300 x 300 | 200 x 250 |
| | X Y | X Y | X Y | X Y | X Y | X Y |



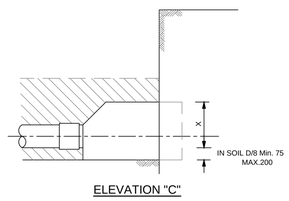

TRENCH DETAILS FOR 15 - 54mm Ø PIPEWORK



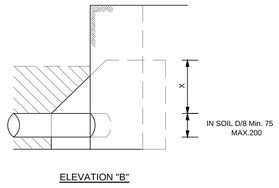

STANDARD HYDRANT WITH STEEL FITTINGS
N.T.S.



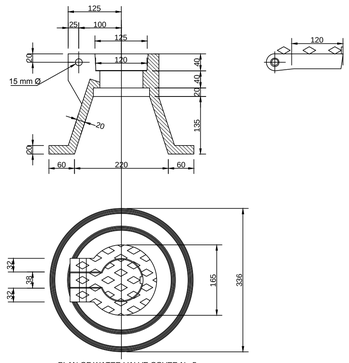

END CAP
PLAN




ELEVATION "C"

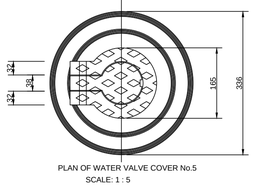



ELEVATION "B"





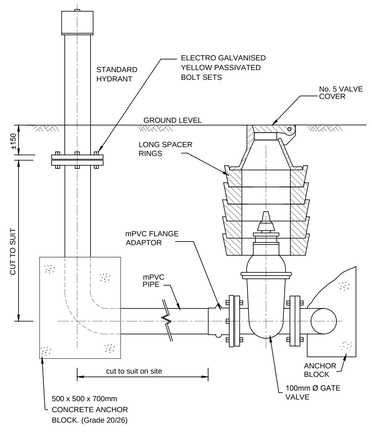




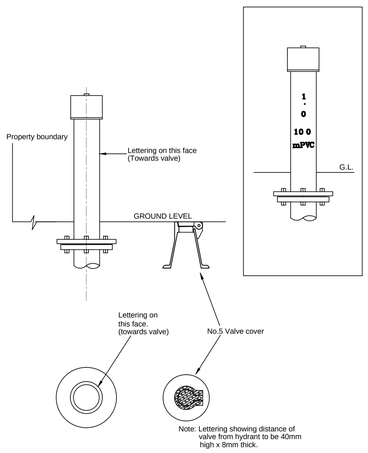

PLAN OF WATER VALVE COVER No.5
SCALE: 1 : 5

# THRUST BLOCK DETAILS FOR mPVC PIPES

READ THIS DRAWING IN CONJUNCTION WITH DWG B02-PZB-000084-20

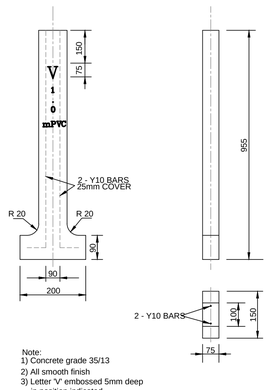



STANDARD HYDRANT WITH
"mPVC" DUCKFOOT END



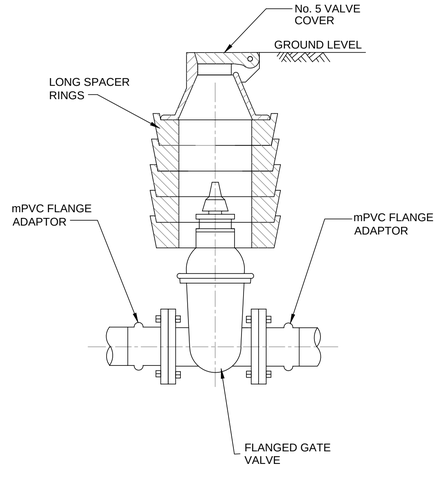

Note: Lettering showing distance of valve from hydrant to be 40mm high x 8mm thick.

ORIENTATION OF HYDRANT
VALVE COVER AND LETTERING

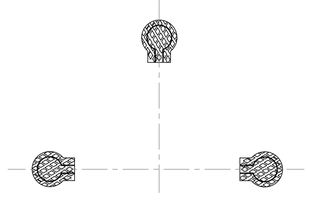



Note:
1) Concrete grade 35/13
2) All smooth finish
3) Letter 'V' embossed 5mm deep in position indicated (Letter width 10mm)
4) Letter size for distance and type of of watermain to be 4cm high and 8mm thick and positioned as shown.

PRECAST CONCRETE
VALVE MARKER




STANDARD HYDRANT WITH
"mPVC" DUCKFOOT END



TYPICAL ORIENTATION OF
NO. 5 VALVE COVERS

ISSUED FOR CONSTRUCTION

NOTES:

FOR POTABLE WATER RETICULATION, PLEASE REFER TO DWG B02-PZB-000084-20

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SARS

PROJECT:
SARS PIER 1 STATE WAREHOUSE

PURPOSE OF ISSUE:
ISSUED FOR CONSTRUCTION

DRAWING DESCRIPTION:
EXTERNAL WORKS:
TYPICAL WATER DETAILS

| | |
|---|---|
| DESIGNED BY: S. JAMALI | SIGNATURE AND DATE: |
| DESIGN CHECKED BY: F. KAMBA | SIGNATURE AND DATE: |
| DRAWN BY: S. JAMALI | SIGNATURE AND DATE: |
| DRAWING CHECKED BY: F. KAMBA | SIGNATURE AND DATE: |
| ENGINEERS FINAL APPROVAL: F. KAMBA | SIGNATURE AND DATE: |

| | |
|---|---|
| PROJECT NUMBER: B03-DUR-000084 | PAPER SIZE: A1 |
| SHEET NUMBER: SHEET 1 OF 1 | SCALE FACTORS: AS SHOWN |

REVISION INFORMATION

| NO | DATE ISSUED | CHANGED | DESCRIPTION OF CHANGE | APPROVED |
|---|---|---|---|---|
| 0 | 05.12.2016 | SJ | ISSUED FOR CONSTRUCTION | FK |
| 1 | 13.01.2017 | SJ | RE-ISSUED FOR CONSTRUCTION | FK |

B02-PZB-000084-21 REV 1