

150mm DEBRIS CAP  
C/W LOCKOUT OPTION  
WHEN REQUESTED BY  
CRDWS. SUPPLIER (SW  
SERVICES).

FOR LOCATIONS WHERE  
SURFACE NOT PAVED PROVIDE  
CONCRETE PAD 450mm SQUARE  
x 100mm THICK

WARNING DISK  
(TO BE PLACED IN  
VALVE BOXES FOR  
NORMALLY CLOSED  
VALVES). SEE DETAIL A

STANDARD VALVE BOX WITH  
DIRECTION OF FLOW INDICATOR  
AS PER STANDARD DRAWING 1.13

150mm  $\phi$  PVC SEWER  
PIPE SLEEVE

FOR VALVES 250  $\phi$  & LARGER,  
USE LARGER DIAMETER PVC PIPE  
SECTION AT BASE

EXTEND VALVE SPINDLE AS REQUIRED TO  
HAVE OPERATING NUT NOT MORE THAN  
1200mm BELOW TOP OF VALVE BOX

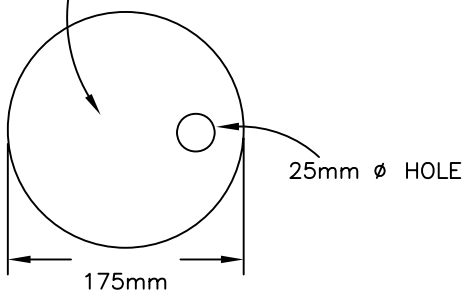
15M BARS

TRENCH BOTTOM

DEPTH DETERMINED BY  
BEARING AREA  
REQUIRED

CONCRETE THRUST BLOCK  
(SEE TABLE FOR REQUIRED AREA)

6mm STEEL PLATE  
(PAINT BRIGHT RED)



**DETAIL**

A  
-

| VALVE<br>SIZE | BEARING AREA REQUIRED at TEST PRESSURE |                       |                       |
|---------------|--|-----------------------|-----------------------|
|               | 700 KPa<br>(100 psi)                   | 1000 KPa<br>(150 psi) | 1400 KPa<br>(200 psi) |
| 100           | 0.2m <sup>2</sup>                      | 0.3m <sup>2</sup>     | 0.4m <sup>2</sup>     |
| 150           | 0.3m <sup>2</sup>                      | 0.45m <sup>2</sup>    | 0.6m <sup>2</sup>     |
| 200           | 0.6m <sup>2</sup>                      | 0.9m <sup>2</sup>     | 1.2m <sup>2</sup>     |
| 250           | 0.9m <sup>2</sup>                      | 1.35m <sup>2</sup>    | 1.8m <sup>2</sup>     |
| 300           | 1.2m <sup>2</sup>                      | 1.8m <sup>2</sup>     | 2.4m <sup>2</sup>     |

NOTE:  
BEARING AREAS CALCULATED USING SOIL BEARING  
CAPACITY OF 50KPa (1000 PSF)(UNDISTURBED  
SAND) FOR SOFTER SOILS CONSULT ENGINEER

**CRD**

Making a difference...together

## STANDARD LINE VALVE INSTALLATION

revision date: APRIL 2007 scale: N.T.S.  
drawn: GP/PJ/DR/GA checked: C. GOTTFRED

standard drawing no.:

**1.7**