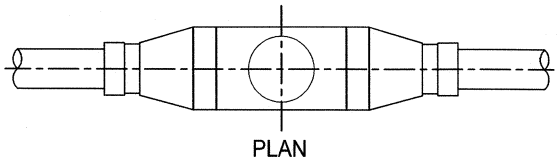
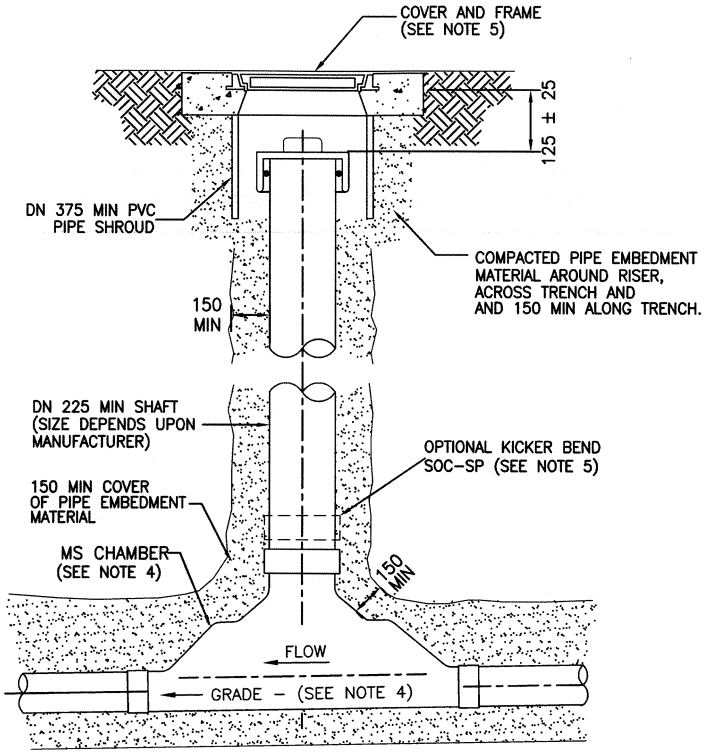
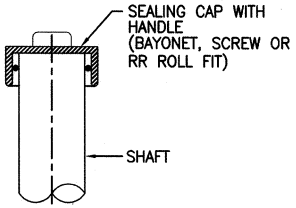


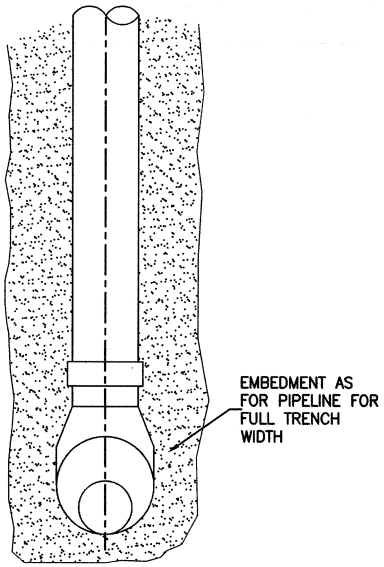




ELEVATION

## MAINTENANCE SHAFT




## RISER SHAFT CAP




END ELEVATION

## PLAIN RISER SHAFT

NOTES:

C 1. WRITTEN APPROVAL FROM COUNCIL REQUIRED.

2. ALL DIMENSIONS IN MILLIMETRES.
3. MS MAY BE MANUFACTURED USING VARIOUS MATERIALS AND JOINTING SYSTEMS AS AUTHORISED BY MACKAY WATER & WASTE.
4. MAXIMUM DEPTH TO INVERT 5000.
5. ADJUST MS TO PIPE GRADE BY TILTING MS CHAMBER. MAX DEVIATION FROM VERTICAL OF THE RISER TO BE 1:10 OR A MAXIMUM OF 300 AT SURFACE. USE KICKER BEND IF REQUIRED TO ADJUST RISER TO VERTICAL.
6. ACCESS COVER, FRAME AND SUPPORT SLAB TO BE AS AUTHORISED BY WATER AGENCY SEE A3-04232.

E S/D AMEND MGR. SIGN. JC

MRC STANDARD DRAWINGS SUPERCEDES WSAA STANDARD DRAWINGS

| NO. | DATE | DESCRIPTION | APPVD. |
|---|---|---|---|
| D | MAY08 | MODIFIED TO MRC STD | SLR |
| C | APR08 | NOTE 1. ALTERED | NR |
| B | NOV07 | 1. NOTE ADDED | NR |
| A | OCT07 | T'SFER TO MRC TBLOCK | SLR |
| 0 | | WSSA ORIG. | |

DRAWING FILE NAME: M:\Engineering Services\Technical Services\Design\Projects\Standard drawings\Mackay Water\WSAA MRC\SEW CODE\A3-04229D

SURVEY N/A

SURVEY FILE No N/A

LEVEL DATUM A.H.D.

MERIDIAN MGA-55

DATE OF LAST EDIT: May 21, 2009

JOB No

WSAA NO. SEW-1314

WATER SERVICES ASSOCIATION of Australia

COMMERCIAL SERVICES

EXECUTIVE MANAGER
MACKAY WATER & WASTE
RPEQ 7506

27 MAY09
JASON DEVITT DATE

Mackay REGIONAL COUNCIL

STANDARD DRAWING
MAINTENANCE HOLES
TYPICAL INSTALLATION

DRAWING No. A3-04229

AMEND. E

SHEET 1 OF 1