

TRAFFICABLE

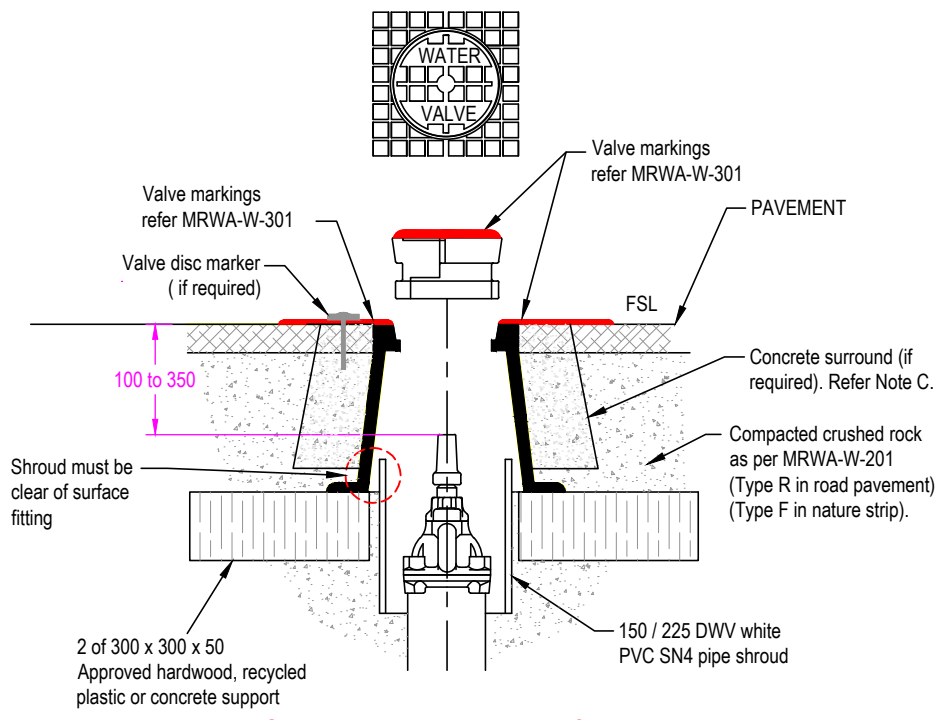


FIGURE 302- A: TYPE A TRAFFICABLE VALVE SURFACE ARRANGEMENT

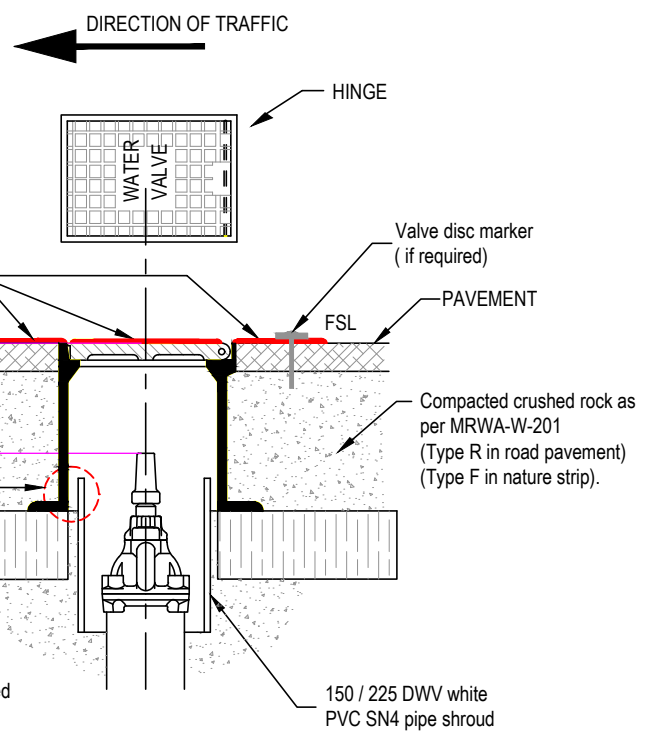


FIGURE 302- B: TYPE B TRAFFICABLE VALVE SURFACE ARRANGEMENT
NOT FOR USE IN YARRA VALLEY WATER AREA

NOTES on Valves in Road Pavement:

- a. All surface box covers and frames to be in accordance with AS 3996: class D loading - trafficable and the water agency product catalogue.
- b. Hinge covers to close in the direction of traffic.
- c. When the valve is part of a valve cluster or there is no kerb, the valve cover shall be fitted with an identification disc. Refer MRWA-W-300 & 301 for details.
- d. No surround is required for valve covers in road pavement.

NOTES on Valves in Nature Strips & Open Reserves:

- A. Where the main is aligned close to the kerb such that non trafficable covers (which are larger) would clash with the kerb, trafficable covers shall be used (which are substantially smaller).
- B. Non trafficable covers shall not be cut down in size.
- C. Trafficable covers with concrete surrounds shall be used in nature strips where vehicles are likely to regularly mount the kerb (Refer Figure 302-C). This includes :
 - C.A. All valves within industrial or commercial driveways,
 - C.B. All valves within 5m of any road intersections.
 - C.C. All valves within 2m of residential driveways.
- D. Elevate cover up to 75 above finished surface level and grade soil away to reduce water entry into the shroud.
- E. Hinge covers to close in the direction of fall of land.
- F. When the valve is part of a valve cluster or there is no kerb, the valve surround shall be fitted with an identification disc. Refer MRWA-W-300 & 301 for details.

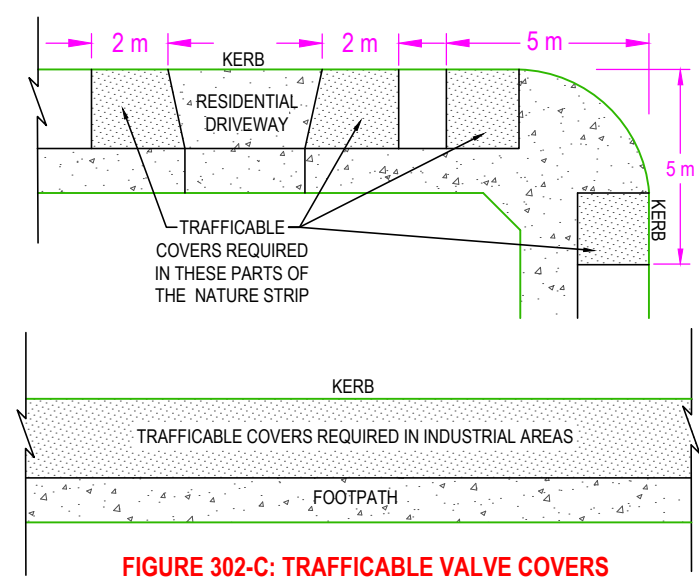


FIGURE 302-C: TRAFFICABLE VALVE COVERS IN NON TRAFFICABLE AREAS

GENERAL NOTES:

1. Provide a level compacted crushed rock foundation for all covers, surrounds and shrouds (as shown) to the embedment material. Crushed rock to be in accordance with MRWA-W-201.
2. A gap is required between the cover and shroud. The shroud shall be cut at 90 degrees. The shroud shall not contact the cover & be kept > 20 mm clear.
3. Install cover, frame, spindle sleeve, shroud and shroud support so that no loading is transmitted to the valve or pipe.
4. Install an extension spindle where distance from the surface to valve spindle exceeds 350. Fix false spindle to the valve spindle using supplied grub screw where practical.
5. Refer to MRWA-W-205A for stop valve installation details.
6. For non-drinking water valves, the words / letters: "non-drinking water" or "NDW" or "RW" shall be cast / stamped/ embossed or engraved into the cover or lid.
7. For drinking water valves, the words / letters: "Water" or "W" or "Drinking Water" shall be cast / stamped/ embossed or engraved into the cover or lid.
8. For valve marking arrangements refer to MRWA-W-300 & 301.
9. Refer to water agency products catalogue for authorized materials.

NON TRAFFICABLE

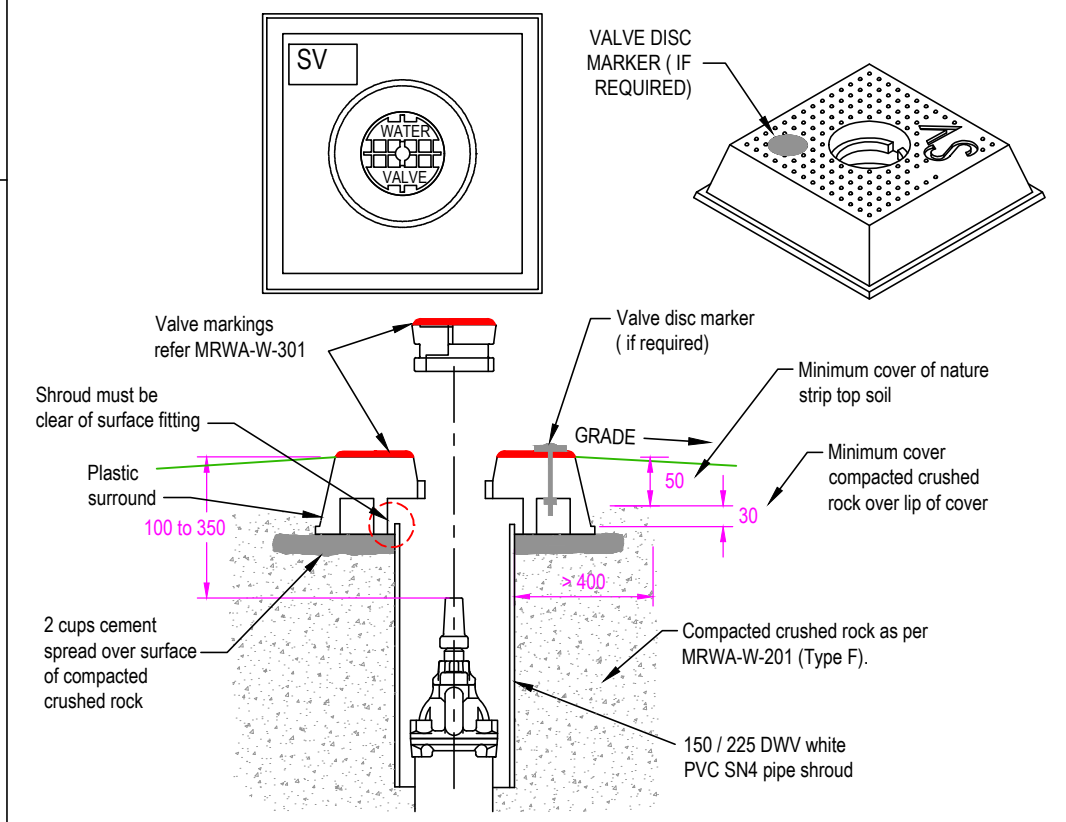


FIGURE 302-D: DRINKING WATER NON TRAFFICABLE VALVE SURFACE ARRANGEMENT

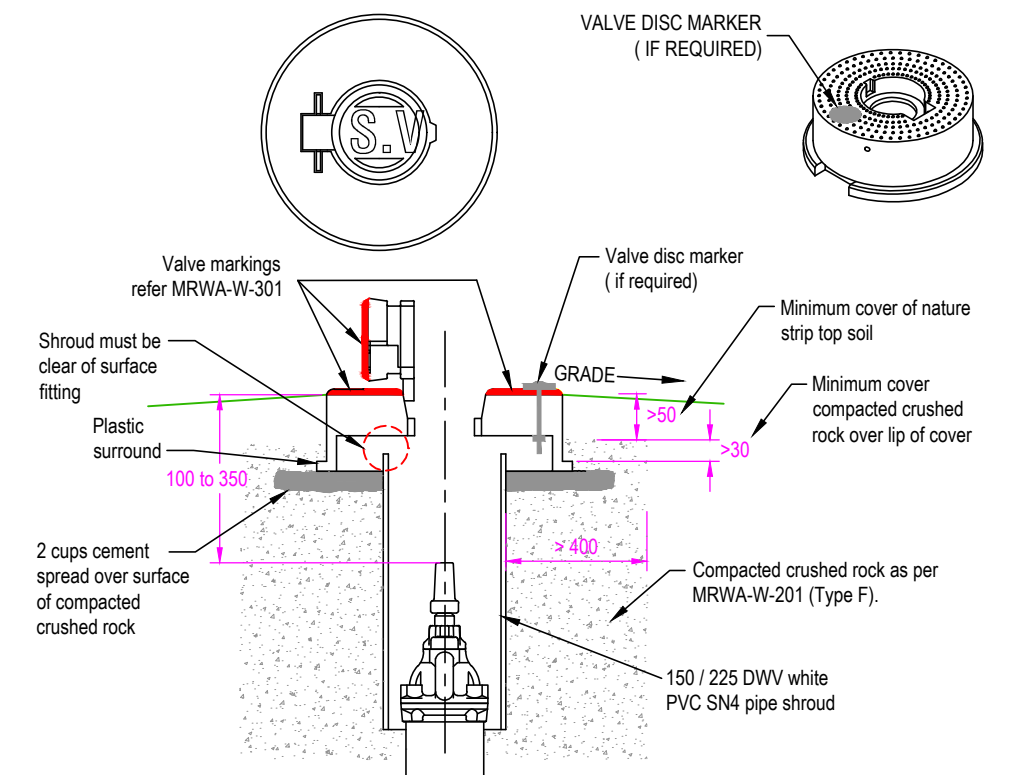


FIGURE 302-E: NON-DRINKING WATER NON TRAFFICABLE VALVE SURFACE ARRANGEMENT

REV	DESCRIPTION	DATE	APPROVED
3	NEW FIGURE 302-C	1/12/16	CP / JT / RJ
2	PUBLISHED FIRST ISSUE	04/04/12	R.JAGGER
1	PRE PUBLISHED DRAFT FOR COMMENT	12/07/11	R.JAGGER

DESIGNED	R. JAGGER	DATE	04/04/2011				
DRAWN	D. TOLENTINO	DATE	04/04/2011				
CHECKED:	NAME	DATE	APPROVED:	NAME	DATE		
<input checked="" type="checkbox"/>	CWV	C. RIVETTE	04/04/12	<input checked="" type="checkbox"/>	CWV	R.CARRUTHERS	04/04/12
<input checked="" type="checkbox"/>	SEWL	C.PAXMAN	04/04/12	<input checked="" type="checkbox"/>	SEWL	G.REYNOLDS	04/04/12
<input checked="" type="checkbox"/>	YVW	K.DAWSON	04/04/12	<input checked="" type="checkbox"/>	YVW	A.COSHAM	04/04/12

MELBOURNE RETAIL WATER AGENCIES

MRWA WATER SUPPLY STANDARDS

VALVE SURFACE ARRANGEMENTS
TRAFFICABLE & NON-TRAFFICABLE AREAS

NOT TO SCALE

MRWA-W-302

ISSUED 2012 REVISION NO. 3