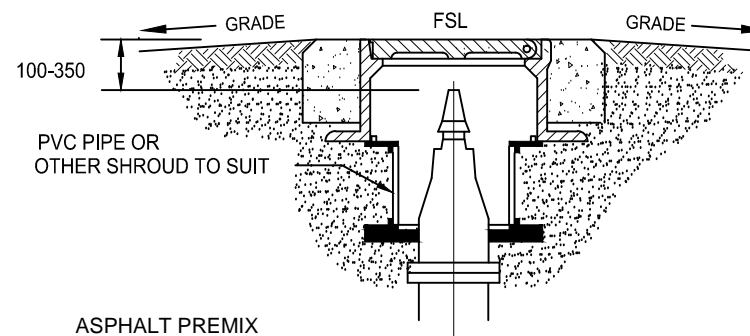
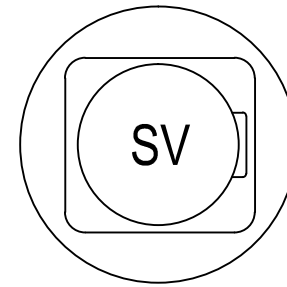
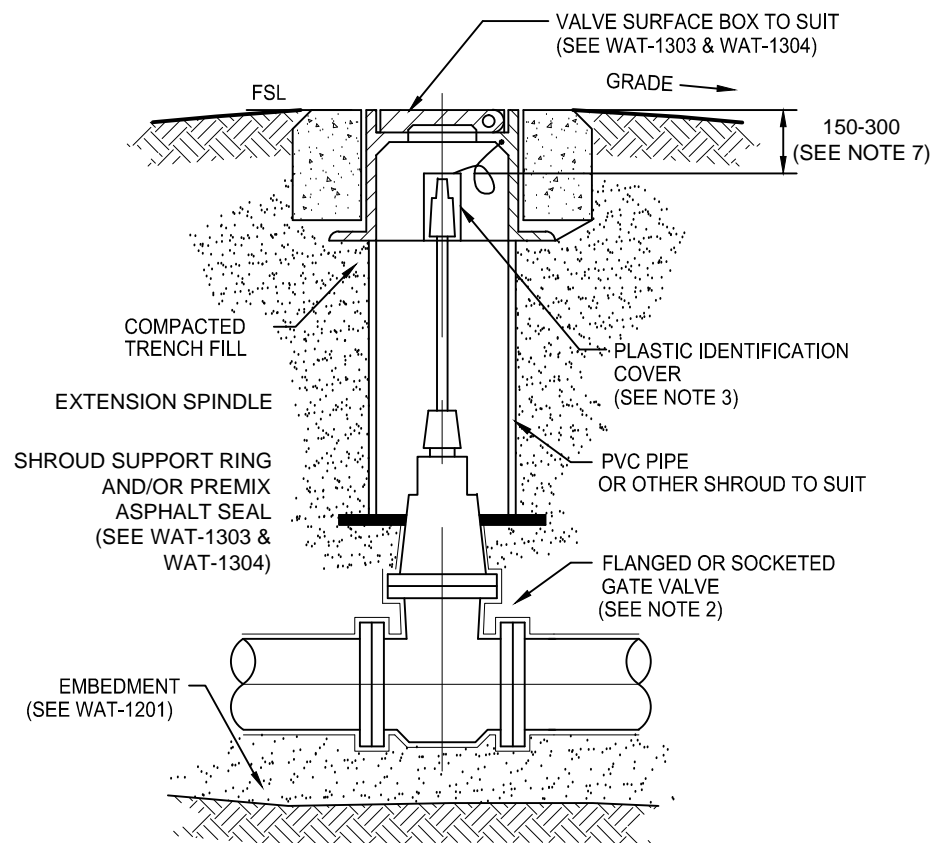


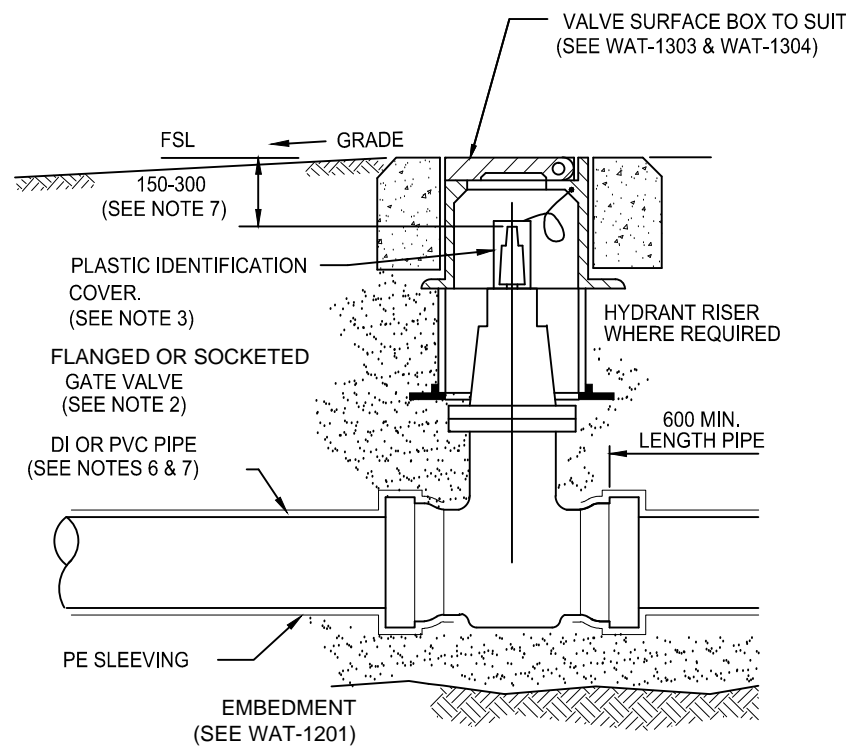
ASPHALT PREMIX SEAL (SEE NOTE 7)  
**TYPE G1**  
**TRAFFICABLE**



ASPHALT PREMIX SEAL (SEE NOTE 7)  
**TYPE B1**  
**NON TRAFFICABLE**



**VALVES DEEPER THAN STANDARD DEPTHS**



**VALVES & HYDRANTS AT STANDARD DEPTHS**

**NOTES: B1 - NON TRAFFICABLE GATE VALVE SURFACE BOXES**

1. ALL DIMENSIONS IN MILLIMETRES.
2. ALL NON TRAFFICABLE SURFACE BOXES TO BE IN ACCORDANCE WITH AS 3996 - CLASS B LOADING.
3. INSTALL COVER, FRAME, SPINDLE SLEEVE, SHROUD AND SHROUD SUPPORT SO THAT NO LOADING IS TRANSMITTED TO THE VALVE OR PIPE.
4. FOR NON TRAFFICABLE APPLICATIONS ELEVATE COVER UP TO 75 ABOVE FINISHED SURFACE LEVEL AND GRADE SOIL AWAY TO PREVENT WATER ENTRY.
5. INSTALL AN EXTENSION SPINDLE WHERE DISTANCE FROM THE SURFACE TO VALVE SPINDLE EXCEEDS 350.
6. HINGED COVERS TO CLOSE IN THE DIRECTION OF FALL OF LAND OR DIRECTION OF ADJACENT ROAD LANE TRAFFIC.
7. UNLESS OTHERWISE SPECIFIED BY THE WATER AGENCY, PLACE 20 THICK ASPHALT PREMIX SEAL BETWEEN THE VALVE AND THE SHROUD.
8. SEE WAT-1301 FOR STOP VALVE INSTALLATION DETAILS.

**NOTES: G1 - TRAFFICABLE GATE VALVE SURFACE BOXES**

1. ALL DIMENSIONS IN MILLIMETRES.
2. TRAFFICABLE SURFACE BOX COVERS AND FRAMES TO BE IN ACCORDANCE WITH AS 3996, CLASS D LOADING.
3. COVER AND FRAME, SPINDLE SLEEVE, SHROUD AND SHROUD SUPPORT TO BE INSTALLED SO THAT NO LOADING IS TRANSMITTED TO THE VALVE OR PIPE.
4. CONCRETE SUPPORT SLABS DESIGNED TO SPAN THE TRENCH TO EXTEND AT LEAST 300 ON TO SUPPORTIVE EARTH BOTH SIDES OF TRENCH.
5. INSTALL AN EXTENSION SPINDLE WHERE DISTANCE FROM THE SURFACE TO THE VALVE SPINDLE EXCEEDS 350.
6. HINGED COVERS TO CLOSE IN THE DIRECTION OF TRAFFIC FLOW.
7. UNLESS OTHERWISE SPECIFIED BY WATER AGENCY, PLACE 20 THICK ASPHALT PREMIX TO SEAL BETWEEN THE VALVE AND SHROUD.
8. SEE WAT-1301 FOR GATE VALVE INSTALLATION DETAILS.

**NOTES: VALVE & HYDRANT STANDARD DEPTHS**

1. ALL DIMENSIONS IN MILLIMETRES.
2. VALVES DN 200 AND GREATER TO BE RESTRAINED WHERE SPECIFIED BY WATER AGENCY. SEE WAT-1207.
3. WHERE SPECIFIED BY WATER AGENCY INSTALL PLASTIC IDENTIFICATION COVERS. TOP OF IDENTIFICATION COVERS AND SURFACE BOX TO BE PAINTED WITH AN APPROVED ROAD MARKING PAINT. SEE TABLE FOR COLOUR CODES.
4. TO PREVENT THE TRANSFER OF TRAFFIC LOAD TO THE MAIN, ENSURE SHROUD AND ANY SHROUD SUPPORT RING DOES NOT COME IN CONTACT WITH THE GATE VALVE OR HYDRANT.
5. INSTALL AN EXTENSION SPINDLE WHERE DEPTH FROM SURFACE LEVEL TO TOP OF GATE VALVE EXCEEDS 350.
6. DI PIPES AND FITTINGS WITH BITUMINOUS EXTERNAL COATING TO BE PROTECTED WITH POLYETHYLENE SLEEVING.
7. DEPTH OF MAIN MAY BE LOCALLY INCREASED TO ACHIEVE REQUIRED MINIMUM VALVE SPINDLE COVER.

P1	PRELIMINARY ISSUE	XXX	XXX
ISSUE	AMENDMENTS	DRAWN	DATE



DRAWN .....

SCALE .....NTS.....

SHEET SIZE: A3

**WINGECARRIBEE SHIRE COUNCIL**

TYPICAL SURFACE FITTING INSTALLATION GATE VALVE SURFACE BOXES (TRAFFICABLE & NON TRAFFICABLE) & TYPICAL VALVE & HYDRANT INSTALLATION VALVE ARRANGEMENT

DATE: 03/09/2010 PLAN No: WSC-WAT-001 SHEET 1 OF 1 ISSUE A