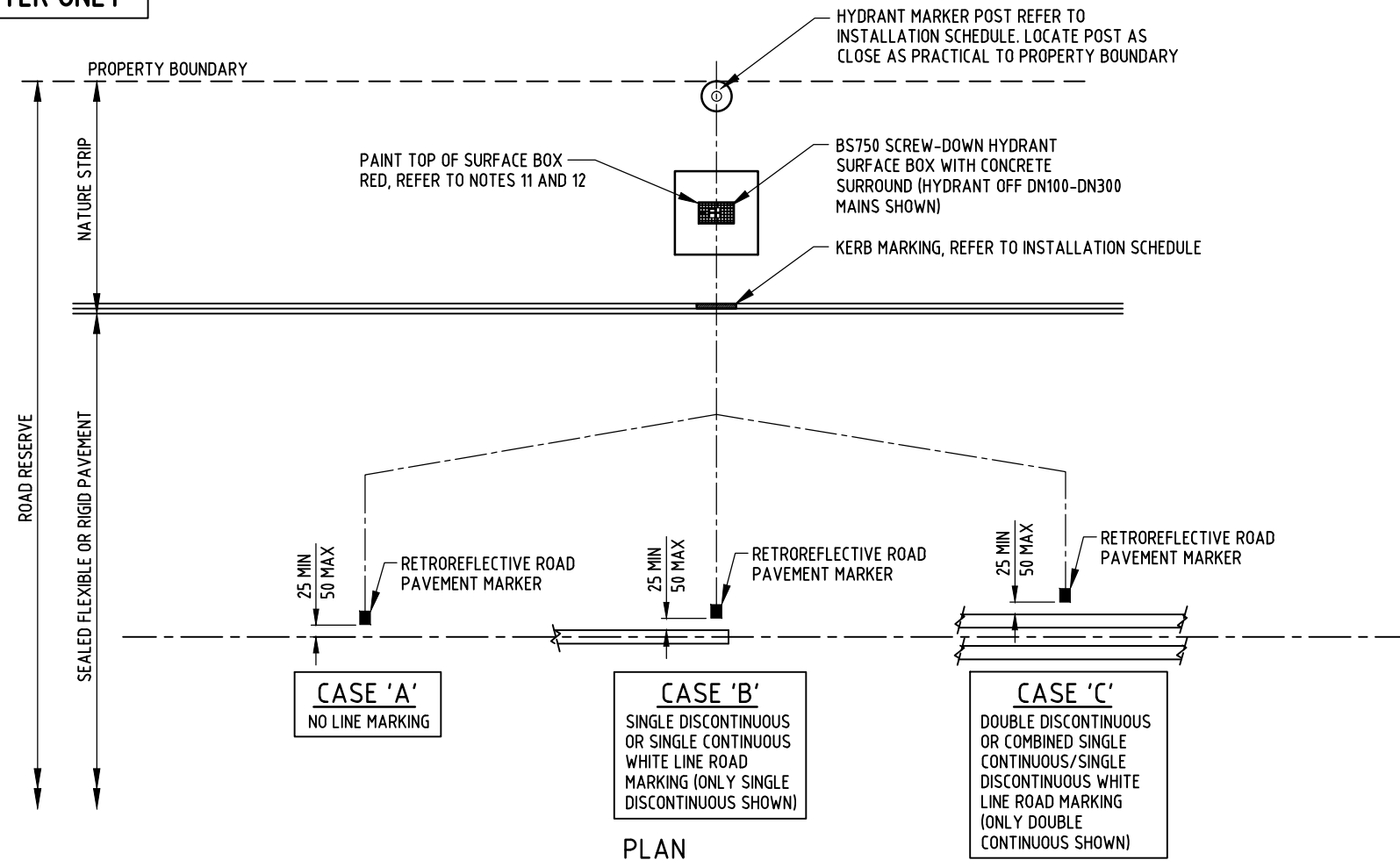
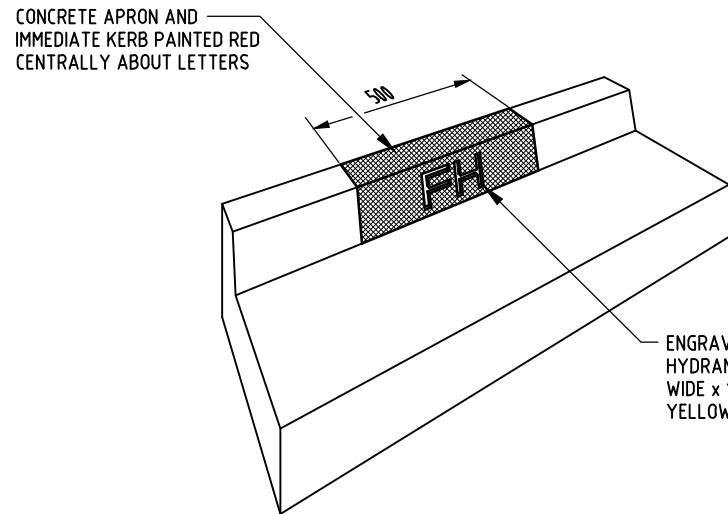


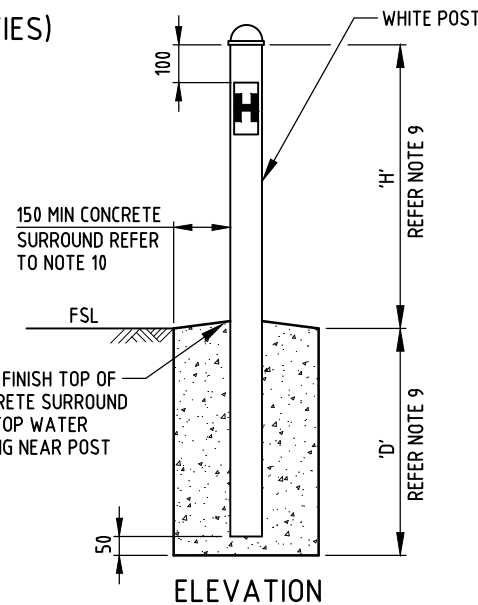
**FOR POTABLE WATER ONLY**



**PLAN**  
**PLACEMENT OF MARKERS**  
**(NOT FOR ABORIGINAL COMMUNITIES)**



**PERSPECTIVE**  
**KERB MARKING**  
**(NOT FOR ABORIGINAL COMMUNITIES)**



**ELEVATION**  
**MARKER POST INSTALLATION**  
**(NOT FOR ABORIGINAL COMMUNITIES)**

**INSTALLATION SCHEDULE**

IDENTIFICATION REQUIREMENTS	METHOD 1 MARKER POST	METHOD 2 KERB ENGRAVING	METHOD 3 RETROREFLECTIVE ROAD MARKER
RESIDENTIAL	USE 2 METHODS WHERE POSSIBLE. ONLY USE METHOD 1 WHERE EITHER METHOD 2 OR 3 CANNOT BE USED.		
INDUSTRIAL/COMMERCIAL	INSTALL EACH OF METHODS 1, 2 AND 3 WHEREVER POSSIBLE		

**NOTES**

- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
- ADHERE RETROREFLECTIVE MARKERS TO:
  - RIGID PAVEMENTS SUCH AS CONCRETE USING APPROVED TWO PART EPOXY MIX,
  - SEALED FLEXIBLE PAVEMENTS SUCH AS ASPHALT OR CHIP SEAL USING APPROVED HEAT BONDED BITUMINOUS PAD.
 AS A GUIDE USE:
  - ONE BITUMINOUS PAD ON ASPHALT;
  - TWO BITUMINOUS PADS ON CHIP SEALED PAVEMENTS WITH 7-10mm AGGREGATE; AND
  - THREE BITUMINOUS PADS ON CHIP SEALED PAVEMENTS WITH 14-20mm AGGREGATE.
 INSTALL RETROREFLECTIVE MARKERS IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS. REMOVE LOOSE MATERIAL FROM ROAD SURFACE USING A WIRE BRUSH PRIOR TO APPLICATION OF ADHERANT. HEAT BITUMINOUS ADHESIVE PADS UNTIL THEY COMMENCE TO BUBBLE BEFORE SECURING RETROREFLECTIVE MARKER.
- FOR MULTIPLE TRAFFIC LANES LOCATE THE RETROREFLECTIVE ROAD PAVEMENT MARKER ADJACENT TO WHITE LINE MARKINGS NEAREST THE HYDRANT.
- ALIGN RETROREFLECTIVE FACES OF ROAD PAVEMENT MARKER WITH THE DIRECTION OF TRAFFIC FLOW.
- WHERE APPROVED, A RETROREFLECTIVE ADHESIVE LABEL ON A METAL PLATE FIXED TO A BUILDING OR PERMANENT SURFACE MAY BE USED AS AN ALTERNATIVE TO THE MARKER POST IN AN INDUSTRIAL OR COMMERCIAL AREA.
- ONLY A MARKER POST IS REQUIRED FOR IDENTIFICATION WHERE THERE IS NO SEALED FLEXIBLE OR RIGID ROAD PAVEMENT AND NO KERB.
- FOR HYDRANTS LOCATED IN THE TURN-AROUND AREA OF A CUL-DE-SAC, LOCATE THE RETROREFLECTIVE MARKER AT THE CENTRE OF THE TURN-AROUND, WITH THE ARROW ON THE MARKER POINTING TO THE HYDRANT.
- FACE THE MARKER POST LABEL TOWARDS THE HYDRANT.
- ADOPT MARKER POST HEIGHT ABOVE SURFACE LEVEL ('H') AND DEPTH BELOW SURFACE LEVEL ('D') AS SHOWN BELOW UNLESS OTHERWISE SPECIFIED OR DIRECTED:
 

	'H'	'D'
FREQUENT PEDESTRIAN TRAFFIC OR WELL MAINTAINED VERGE	500	300
ANY AREA WITH POORLY MAINTAINED VERGE POST LIKELY TO BE OBTSCURED BY OVERGROWN GRASS	1200	600
- CONCRETE FOR THRUST AND ANCHOR BLOCKS & GENERAL CONCRETING SHALL BE CLASS N25 IN ACCORDANCE WITH AS.1379 AND AS.3600.
- CURE CAST IN-SITU CONCRETE KERB FOR AT LEAST 28 DAYS BEFORE APPLYING PAINT.
- APPLY AT LEAST THREE COATS OF PAINT IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS. DO NOT PAINT THE SURFACE BOX CONCRETE SURROUND WHERE INTEGRAL WITH A CONCRETE FOOTPATH.
- USE ONLY THOSE MANUFACTURERS' PRODUCTS SHOWN APPROVED IN THE WATER AND SEWAGE INFRASTRUCTURE PRODUCTS MANUAL.

NO	DESCRIPTION	DRN	DATE	CKD	APPD
5	GENERAL AMENDMENTS 2021.	PW	JUNE'21	JR	DC
4	REDRAWN IN AUTOCAD.	AW	OCT'18	JR	DC
3	NOTE 10 AMENDED.	RGI	MAY'03	MCH	NWM
2	NOTES AMENDED. DRAWING W1-2-03G INCORPORATED.	RGI	MAR'01	NWM	NWM
1	INSTALLATION SCHEDULE AMENDED.	RGI	JAN'99	NWM	NWM



DES	CSP/NWM	WATER STANDARD DRAWING	
DRN	RGI	MAINLAYING	
CHK	DR	BS750 SCREW-DOWN HYDRANT	
APPD	NWM	LOCATION MARKING	
SCALE	N.T.S.	A3	DRAWING NUMBER
ISSUED	MAR'67		
ALL DIM. IN mm			
DRAFTING STANDARD TO A.S.1100		CAD PRODUCT - DO NOT AMEND MANUALLY	