





# Plan Legend (summary)

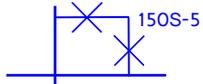
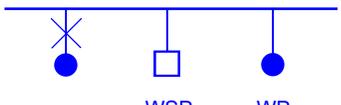
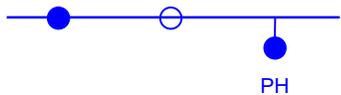
## INFORMATION BROCHURE



This legend is provided to [Dial Before You Dig](#) users to assist with interpreting Water Corporation plans. A more detailed colour version can be downloaded from [www.watercorporation.com.au](http://www.watercorporation.com.au). (Your business > Working near pipelines > Downloads)

**WARNING - Plans may not show all pipes or associated equipment at a site, or their accurate location. Pothole by hand to verify asset location before using powered machinery.**

	<p><b>WATER, SEWERAGE AND DRAINAGE PIPELINES</b></p> <p><b>CRITICAL PIPELINE</b> (thick line) EXTRA CAUTION REQUIRED A risk assessment may be required if working near this pipe. Refer to your <a href="#">Dial Before You Dig</a> information or call 131375.</p> <p>Pipes are not always labelled on plans as shown here – assume all pipes are significant and pothole to prove location and depth.</p> <p>P.M. pressure main M.S. main sewer R rising main (i.e. drainage pressure main)</p> <p><b>Common material abbreviations:</b></p> <p>AC asbestos cement e.g. 100AC NOTE: AC is brittle and is easily damaged. CI cast iron GRP glass reinforced plastic P PVC - class follows pipe material (e.g.100P-12) RC reinforced concrete S steel VC vitrified clay</p>
	<p><b>NON-STANDARD ALIGNMENT</b></p> <p>Pipes are not always located on standard alignments due to local conditions. (i.e. Other than 2.1 m for reticulation mains and 4.5 m for distribution mains.)</p>
	<p><b>OTHER PIPE SYMBOLS</b></p> <p>Other numbers or codes shown on pipes are not physical attributes. These are Water Corporation use only.</p>
	<p><b>CONCRETE ENCASEMENT, SLEEVING AND TUNNELS</b></p> <p>May be in different forms: steel, poured concrete, box sections, slabs.</p>
	<p><b>CHANGE INDICATOR ARROW</b></p> <p>Indicates a change in pipe type or size. e.g. 150mm diameter PVC to 150mm diameter asbestos cement (AC).</p>
	<p><b>PIPE OVERPASS</b></p> <p>The overpass symbol indicates the shallower of the two pipes.</p>
	<p><b>VALVES</b></p> <p>Many different valve types are in use. Valve may be in a pit or have a visible valve cover. There may be no surface indication.</p> <p>Valves may be shallower than the main or offset from it. e.g. A scour valve (SC) may have a pipe coming away from main pipeline on the opposite side to that indicated on the plan.</p>

 100P-DOMS  100S FS	<p><b>FIRE SERVICES</b>  100 mm polythene domestic (DOMS) service  FS Fire service  FHS Fire hydrant service  Hydrant may be visible external to the building. Even if not visible a substantial fire service may still be present.</p>	
 150S-5	<p><b>PIPE BYPASS</b>  Bypass will not be on the same alignment as the main pipeline.</p>	
	<p><b>CATHODIC PROTECTION (CP)</b>  Buried CP equipment may be located some distance from the pipeline being protected interconnected by buried cable. All CP fittings may not be visible.  A buried anode – various sizes and configurations  TP test point - may be visible on a post or in-ground  TR transformer rectifier</p>	
	<p><b>ACCESS TEE OR MANHOLE OR SERVICE ACCESS PIT</b>  NOTE: Opening any manhole or pit is dangerous and is prohibited.  Below ground. May not be any visible signs at ground level or may be located in a pit.</p>	
	<p><b>WASTEWATER ACCESS CHAMBERS (MANHOLES)</b>  -- Manhole (shown not labelled)  -- Tee or maintenance shaft (shown not labelled)  MS maintenance shaft (labelled)  WARNING: Opening any manhole or pit is dangerous and is prohibited.</p>	
	<p><b>WASTEWATER MANHOLE INFORMATION BOXES</b>  Square non-trafficable Do not drive vehicles over or place loads.  Round trafficable  In general if not located in the road treat as if non-trafficable.</p>	
	<p><b>HAZARDOUS MANHOLE</b>  Indicates a potential health hazard from risk of exposure to toxic waste.  WARNING: Opening any manhole is dangerous and is prohibited.</p>	
	<p><b>FLOWMETER</b>  Various types of flow meters located in a pit. May be labelled with identifier. (e.g. 50 MFM, 50MM)</p>	
	<p><b>STANDPIPE, WATER SAMPLING POINT (WSP), WATER SUPPLY POINT (WP)</b>  May be located adjacent to mains. Usually there will be some visible indication.</p>	
	<p><b>Hydrant</b> May not be visible.  <b>Hydrant Tee</b> May not be visible.  <b>Pillar hydrant</b> Visible</p>	
	<p><b>PRE-LAID SERVICES</b>  D Deferred  FL Fully Pre-laid Left  FM Fully Pre-laid Front Middle  FR Fully Pre-laid Right  L Left  R Right</p> <p>Code indicates on which side of a lot the water service is located:  May be no visible indication at site.</p>	
<p>SOUTH PERTH PS1</p> 	<p><b>SEWER OR DRAINAGE PUMP STATION</b>  Several pipes and a pressurised main will be in the vicinity.</p>	
	<p><b>OPEN CHANNEL</b>  OA Landscaped  OE Normal Open Earth  OF Open channel with flood levee  OH Half Pipe  OL Lined Channel  OS Swale-Shallow Depression  OW Natural Water Course</p> <p>Drainage structures, even if dry, must be kept clear of any obstruction such as sand stockpiles.</p>	