

# Plan legend summary

Before You Dig Australia



This legend is provided to [Before You Dig Australia](http://www.beforeyoudig.com.au) (BYDA) 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)

**WARNING** – Plans may not show all pipes of 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>CRITICAL PIPELINE (thick line) EXTRA CAUTION REQUIRED A risk assessment may be required if working near this pipe. Refer to your Dial Before You Dig information of call 13 13 75. Pipes are not always labelled on plans as shown here – assume all pipes are significant and pothole to prove location and depth. P.M. pressure main M.S. main sewer R rising main (i.e. drainage pressure main)</p> <p><b>Common material abbreviations:</b> 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>



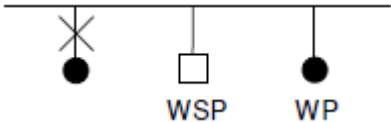
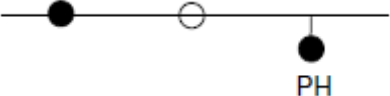

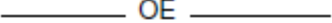
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	<p><b>PIPE OVERPASS</b></p> <p>The overpass symbol indicates the shallower of the two pipes.</p>
	<p><b>VALVES</b></p> <p>Many different valve types are in use. Valve may be in a pit or have a visible valve cover. There may be no surface indication.</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>
	<p><b>FIRE SERVICES</b></p> <p>100 mm polythene domestic (DOMS) service          FS Fire service          FHS Fire hydrant service</p> <p>Hydrant may be visible external to the building. Even if not visible a substantial fire service may still be present.</p>
	<p><b>PIPE BYPASS</b></p> <p>Bypass will not be on the same alignment as the main pipeline.</p>
	<p><b>CATHODIC PROTECTION (CP)</b></p> <p>Buried CP equipment may be located some distance from the pipeline being protected interconnected by buried cable. All CP fittings may not be visible.</p> <p>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></p> <p>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></p> <p>-- Manhole (shown not labelled)          -- Tee or maintenance shaft (shown not labelled)          MS maintenance shaft (labelled)</p> <p>WARNING: Opening any manhole or pit is dangerous and is prohibited.</p>
	<p><b>WASTEWATER MANHOLE INFORMATION BOXES</b></p> <p>Square non-trafficable Do not drive vehicles over or place loads.          Round trafficable</p> <p>In general if not located in the road treat as if non-trafficable.</p>

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	<p><b>HAZARDOUS MANHOLE</b></p> <p>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></p> <p>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></p> <p>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>										
<table border="1" data-bbox="228 927 547 1115"> <tr> <td>Lot 1</td> <td>Lot 2</td> <td>Lot 3</td> <td>Lot 4</td> <td>Lot 5</td> </tr> <tr> <td>D</td> <td>FL</td> <td>FM</td> <td>FRL</td> <td>R</td> </tr> </table>	Lot 1	Lot 2	Lot 3	Lot 4	Lot 5	D	FL	FM	FRL	R	<p><b>PRE-LAID SERVICES</b></p> <p>D Deferred  FL Fully Pre-laid Left  FM Fully Pre-laid Front Middle  FR Fully Pre-laid Right  L Left  R Right</p>
Lot 1	Lot 2	Lot 3	Lot 4	Lot 5							
D	FL	FM	FRL	R							
<p>SOUTH PERTH PS1</p> 	<p><b>SEWER OR DRAINAGE PUMP STATION</b></p> <p>Several pipes and a pressurised main will be in the vicinity.</p>										
<p>3.9 1:2.7</p> <p>OE</p> <p>444.8</p> 	<p><b>OPEN CHANNEL</b></p> <p>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>										

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water servi  
May be no