

Plan legend summary

Dial Before You Dig



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

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.

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| | <p>Water, sewerage and drainage pipelines</p> <p>CRITICAL PIPELINE (thick line) EXTRA CAUTION REQUIRED</p> <p>A risk assessment may be required if working near this pipe. Refer to your Dial Before You Dig information of call 13 13 75.</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>Common material abbreviations:</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>NON-STANDARD ALIGNMENT</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>OTHER PIPE SYMBOLS</p> <p>Other numbers or codes shown on pipes are not physical attributes. These are Water Corporation use only.</p> |
| | <p>CONCRETE ENCASEMENT, SLEEVING AND TUNNELS</p> <p>May be in different forms: steel, poured concrete, box sections, slabs.</p> |
| | <p>CHANGE INDICATOR ARROW</p> <p>Indicates a change in pipe type or size. e.g. 150mm diameter PVC to 150mm diameter asbestos cement (AC).</p> |



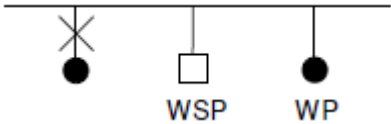
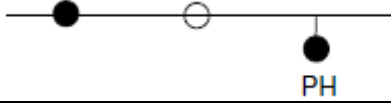

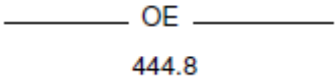
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| | <p>PIPE OVERPASS</p> <p>The overpass symbol indicates the shallower of the two pipes.</p> |
| | <p>VALVES</p> <p>Many different valve types are in use. Valve may be in a pit or have a visible valve cover. There may be no surface indication.</p> <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>FIRE SERVICES</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>PIPE BYPASS</p> <p>Bypass will not be on the same alignment as the main pipeline.</p> |
| | <p>CATHODIC PROTECTION (CP)</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>ACCESS TEE OR MANHOLE OR SERVICE ACCESS PIT</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>WASTEWATER ACCESS CHAMBERS (MANHOLES)</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>WASTEWATER MANHOLE INFORMATION BOXES</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>HAZARDOUS MANHOLE</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>FLOWMETER</p> <p>Various types of flow meters located in a pit. May be labelled with identifier. (e.g. 50 MFM, 50MM)</p> | | | | | | | | | | |
|  | <p>STANDPIPE, WATER SAMPLING POINT (WSP), WATER SUPPLY POINT (WP)</p> <p>May be located adjacent to mains. Usually there will be some visible indication.</p> | | | | | | | | | | |
|  | <p>Hydrant May not be visible. Hydrant tee May not be visible. Pillar hydrant Visible</p> | | | | | | | | | | |
| <table border="1" data-bbox="226 927 545 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>PRE-LAID SERVICES</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>SEWER OR DRAINAGE PUMP STATION</p> <p>Several pipes and a pressurised main will be in the vicinity.</p> | | | | | | | | | | |
| <p>3.9 1:2.7</p>  | <p>OPEN CHANNEL</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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