

**LEGEND**

- SITE BOUNDARY
- PROPOSED ROAD EDGE
- EXISTING CONTOURS (0.5m INTERVAL)
- DESIGN CONTOURS (0.5m INTERVAL)
- DRAIN PROPOSED
- POS PROPOSED
- PROPOSED DRAINAGE BASIN AREA
- PROPOSED ENVIRONMENTAL PROTECTION
- PS
- PUBLIC PURPOSES - PRIMARY SCHOOL
- PROPOSED OPEN SWALE
- CATCHMENT AREA BOUNDARY
- 1 IN 1 YR BASIN AREA
- 1 IN 5 YR BASIN AREA
- 1 IN 100 YR BASIN AREA
- 1 IN 100 YR INUNDATION ZONE TO 100mm

**POS AREAS**

POS No	POS AREA [m <sup>2</sup> ]	CATCHMENT AREA [ha]
1	190607	47.055
2	2829	5.7
3	8889	13.8
4	18056	17.58
5	9613	7.91
6	4886	8.24

CATCHMENT 1 TO ALLOW 1mm FLOW INTO ALL LINEAR POS WEST OF BRAND ROAD AREA OF POS = 74,519m<sup>2</sup>. THEREFORE ALLOW 7,452 m<sup>3</sup> OF RUNOFF INTO LINEAR POS.

**DRAINAGE DETENTION AREAS**

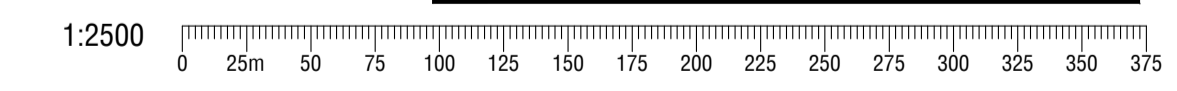
CATCHMENT AREA No	STORMWATER DRAINAGE DETENTION 1 IN 1yr [m <sup>3</sup> ] @ 300mm AVG DEPTH	STORMWATER DRAINAGE DETENTION 1 IN 5yr [m <sup>3</sup> ] @ 600mm AVG DEPTH	STORMWATER DRAINAGE DETENTION 1 IN 100yr [m <sup>3</sup> ] @ 900mm AVG DEPTH
1	734	2420	17,980
2	106	262	1457
3	282	927	5274
4	219	1102	6006
5	116	545	2861
6	127	605	3133
<b>TOTAL</b>	<b>1586</b>	<b>5863</b>	<b>24711</b>

CATCHMENT 1 REQUIRES A TOTAL EQUIVALENT CATCHMENT AREA OF 17,980m<sup>2</sup> OF DRAINAGE BASIN AT AN AVG 900mm DEPTH. LINEAR POS ADJACENT TO BRAND ROAD WILL ACCOMMODATE 100mm FLOWS REDUCING REQUIREMENT FOR BASIN IN DB-01 TO 9,700m<sup>2</sup>

**WARNING**  
BEWARE OF UNDERGROUND SERVICES  
The location of underground cables are approximate only and their exact position should be checked on site. No guarantee is given that all existing cables and services are shown. Locate all underground cables and services before commencement of work. Refer to Worksafe Regulation 3.21.

**DIAL 1100**  
BEFORE YOU DIG

**FOR INFORMATION ONLY**  
NOT TO BE USED FOR CONSTRUCTION PURPOSES



<p><b>REVISIONS</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>REV No</th> <th>DATE</th> <th>DRAWING CHECK</th> <th>DESIGN REVIEW</th> <th>REV'D P.MDR</th> <th>APP'D P.DIR</th> <th>AMENDMENT</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>29/03/18</td> <td>CK</td> <td>CK</td> <td>REV'D P.MDR</td> <td>APP'D P.DIR</td> <td>ISSUED FOR INFORMATION</td> </tr> </tbody> </table>	REV No	DATE	DRAWING CHECK	DESIGN REVIEW	REV'D P.MDR	APP'D P.DIR	AMENDMENT	A	29/03/18	CK	CK	REV'D P.MDR	APP'D P.DIR	ISSUED FOR INFORMATION	<p><b>kctt</b> KC Traffic and Transport Pty Ltd ABN 55 148 670 727 7/10 Whipple Street, Subiaco WA 6021 Phone: 08 9441 2700 Website: www.kctt.com.au</p> <p><small>COPYRIGHT This copyright and intellectual property in this document and the content of KC Traffic and Transport Pty Ltd, use or copying of the document in whole or part without the written permission of KC Traffic and Transport Pty Ltd, constitutes an infringement of copyright.</small></p>	<p><b>CLIENT</b> ELEMENTWA &amp; CITY OF KALAMUNDA</p> <p><b>PROJECT</b> FORRESTFIELD NORTH DCP</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td><b>DRAFTER</b> M. SEKULIC</td> <td><b>DRAFTING CHECK</b> C. KLEYWEG</td> <td><b>REVIEWED</b> PROJECT MANAGER</td> <td><b>APPROVED</b> PROJECT DIRECTOR</td> </tr> <tr> <td><b>DESIGNED</b> D.J. MARICIC</td> <td><b>DESIGN REVIEW</b> C. KLEYWEG</td> <td></td> <td></td> </tr> </table>	<b>DRAFTER</b> M. SEKULIC	<b>DRAFTING CHECK</b> C. KLEYWEG	<b>REVIEWED</b> PROJECT MANAGER	<b>APPROVED</b> PROJECT DIRECTOR	<b>DESIGNED</b> D.J. MARICIC	<b>DESIGN REVIEW</b> C. KLEYWEG			<p><b>TITLE</b> CATCHMENT LAYOUT PLAN</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td><b>SHEET</b> A1</td> <td><b>DATUM</b> PG94</td> <td><b>WAPC No.</b> SCALE 1:500</td> <td><b>PROJECT No.</b> KC00604.000</td> <td><b>DRAWING No.</b> C370</td> <td><b>REVISION</b> A</td> </tr> </table>	<b>SHEET</b> A1	<b>DATUM</b> PG94	<b>WAPC No.</b> SCALE 1:500	<b>PROJECT No.</b> KC00604.000	<b>DRAWING No.</b> C370	<b>REVISION</b> A
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