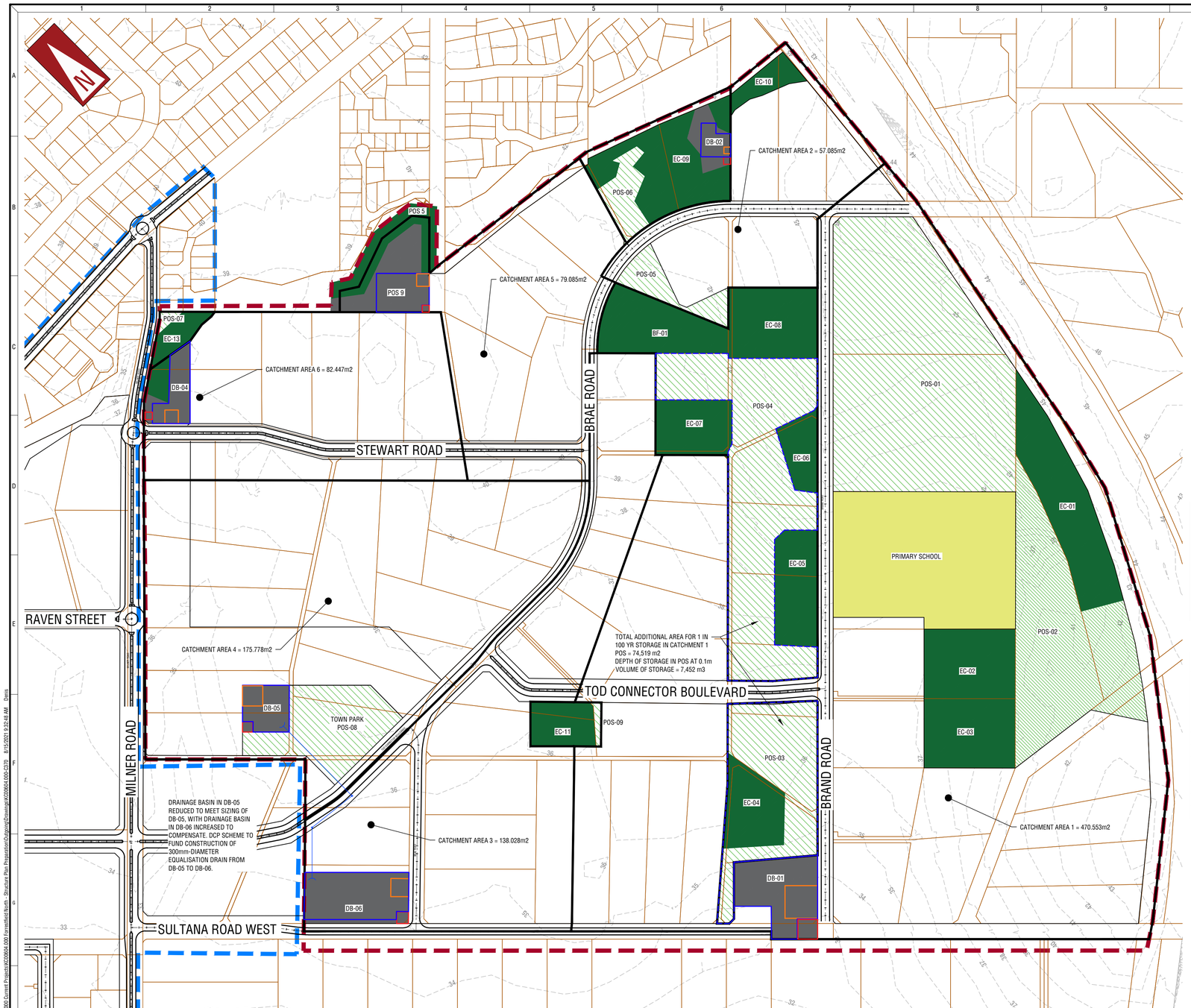

LEGEND

- 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^2]	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 = 74,519m2. THEREFORE ALLOW 7,452 m3 OF RUNOFF INTO LINEAR POS.

DRAINAGE DETENTION AREAS

CATCHMENT AREA No	STORMWATER DRAINAGE DETENTION 1IN 1yr [m^3] @ 300mm AVG DEPTH	STORMWATER DRAINAGE DETENTION 1IN 5yr [m^3] @ 600mm AVG DEPTH	STORMWATER DRAINAGE DETENTION 1IN 100yr [m^3] @ 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
TOTAL	1586	5863	24711

CATCHMENT 1 REQUIRES A TOTAL EQUIVALENT CATCHMENT AREA OF 17,980m2 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 9,700m2

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

1:2500 — 0 25m 50 75 100 125 150 175 200 225 250 275 300 325 350 375

REV No.	DATE	DRAFTING CHECK	DESIGN REVIEW	REV'D P.MGR	APP'D P.DIR	AMENDMENT
A	29/03/18	CK	CK			ISSUED FOR INFORMATION

REV No.	DATE	DRAFTING CHECK	DESIGN REVIEW	REV'D P.MGR	APP'D P.DIR	AMENDMENT

kctt
KC Traffic and Transport Pty Ltd
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CLIENT: ELEMENTWA & CITY OF KALAMUNDA
PROJECT: FORRESTFIELD NORTH DCP

DRAFTER	DRAFTING CHECK	REVIEWED	APPROVED
M. SEKULIC	C. KLEYWEG	PROJECT MANAGER	PROJECT DIRECTOR
DESIGNED	DESIGN REVIEW		
DJ. MARIDIC	C. KLEYWEG		

TITLE: CATCHMENT LAYOUT PLAN

SHEET	DATUM	WAPC No.	PROJECT No	DRAWING No.	REVISION
A1	PCG94	SCALE 1:500	KC00604.000	C370	A

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