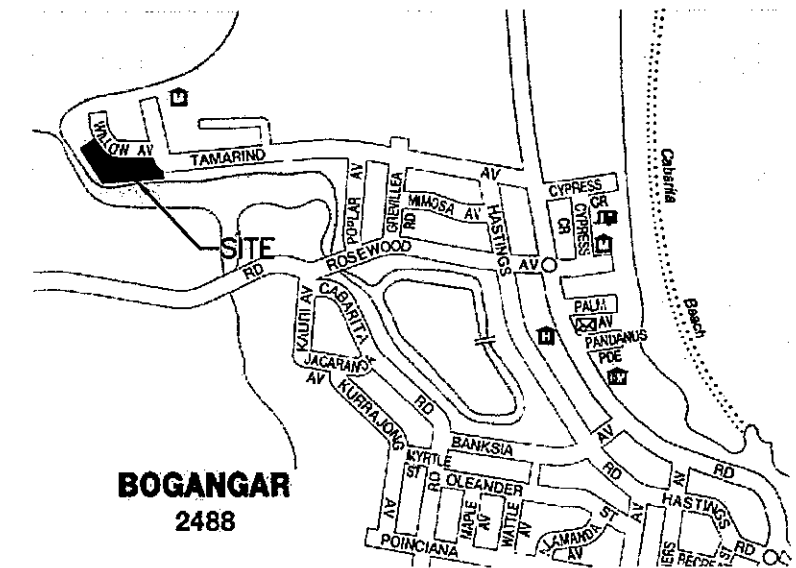
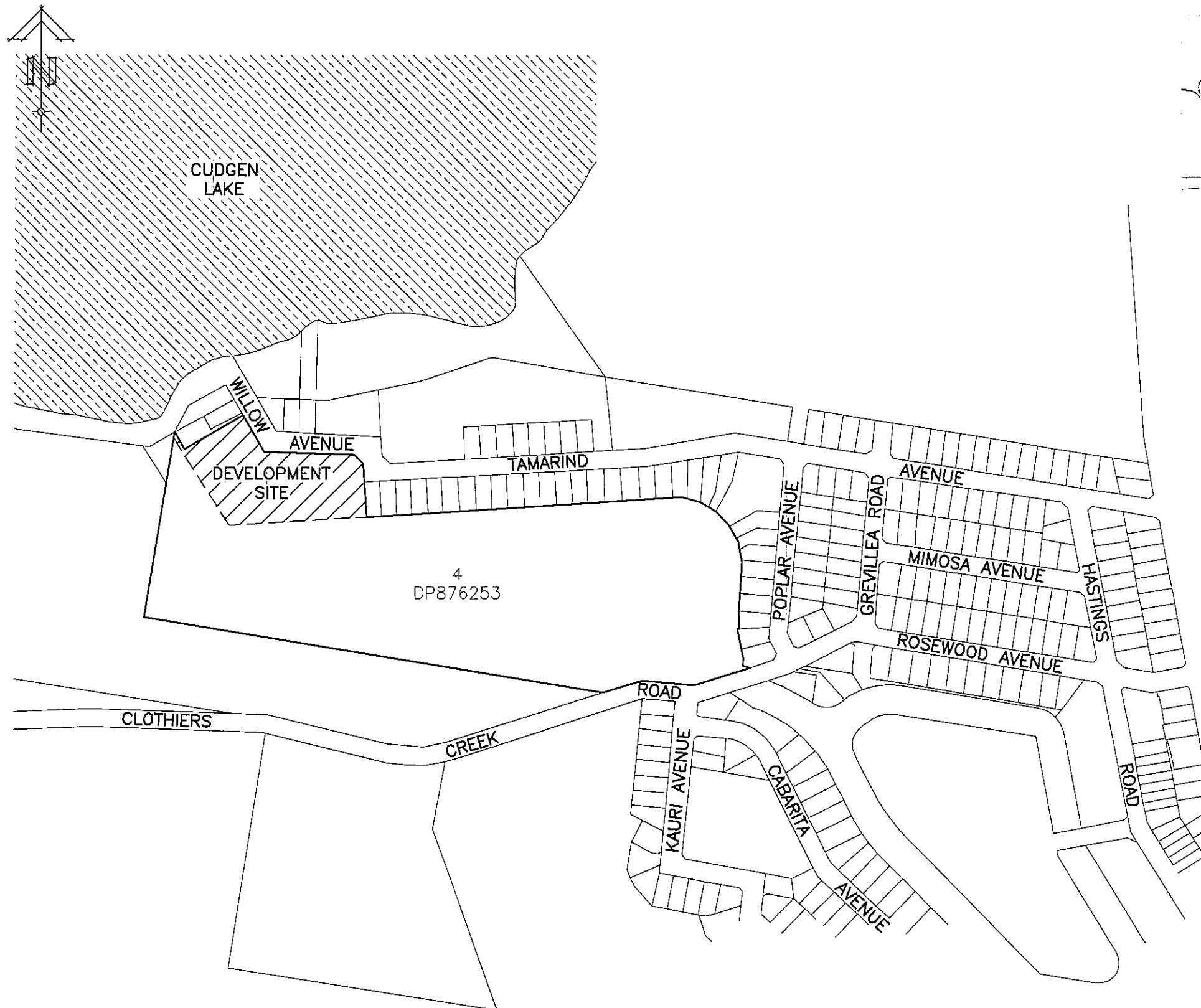




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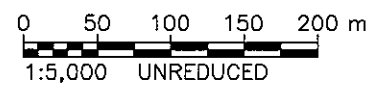
FIGURE No. 1.0

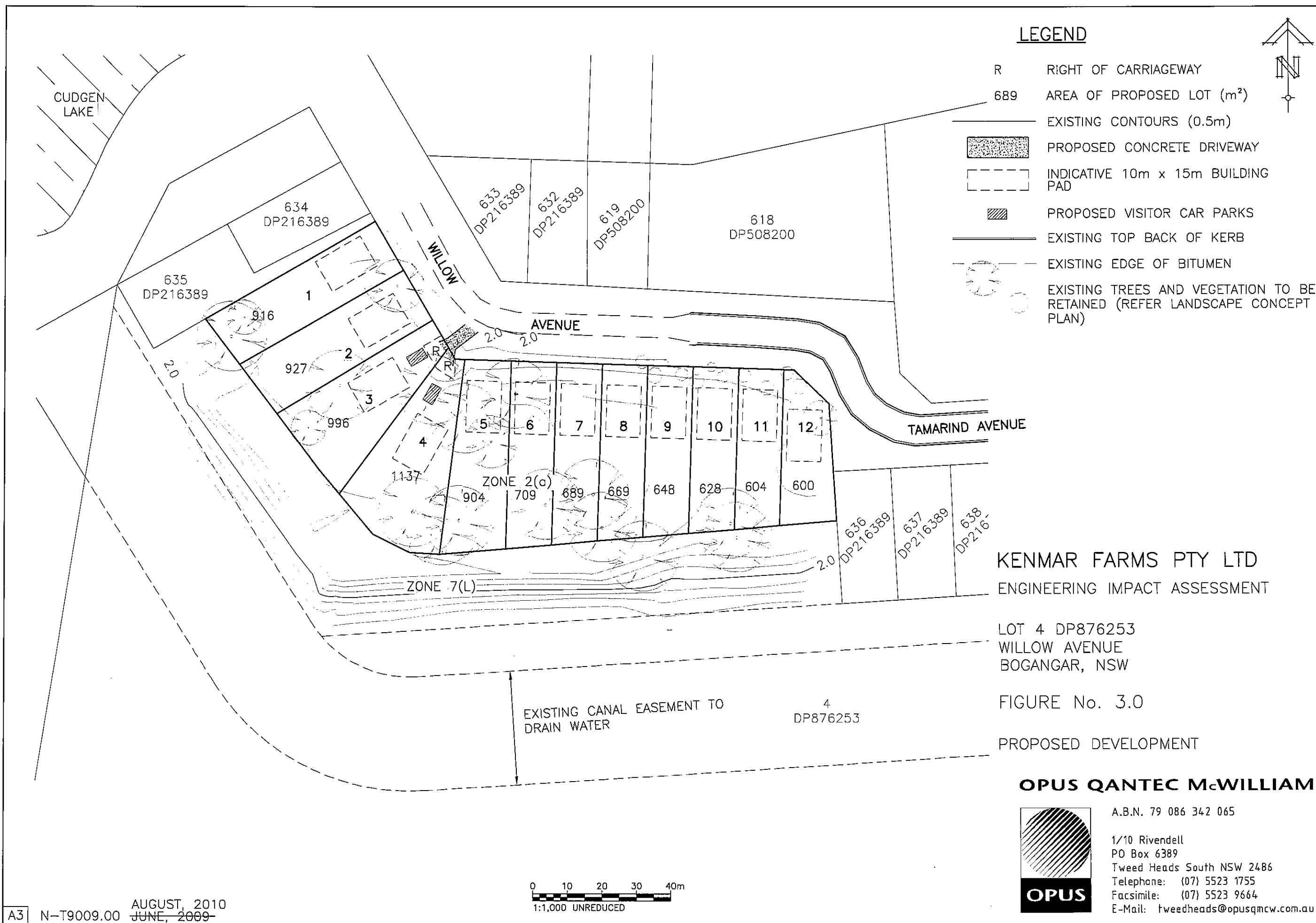
LOCALITY & SITE PLAN

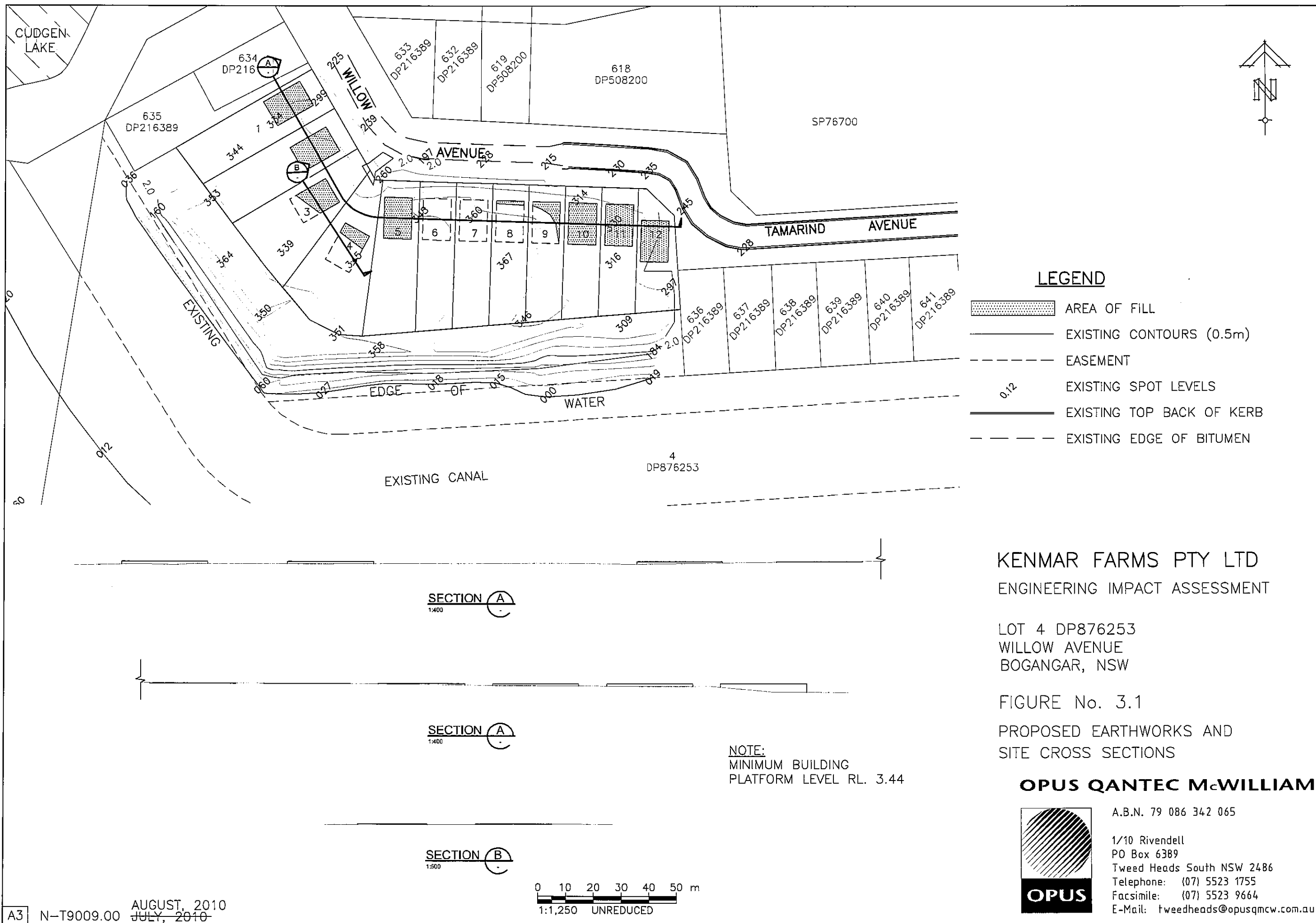
OPUS QANTEC McWILLIAM



A.B.N. 79 086 342 065
1/10 Rivendell
PO Box 6389
Tweed Heads South NSW 2486
Telephone: (07) 5523 1755
Facsimile: (07) 5523 9664
E-Mail: tweedheads@opusqmcw.com.au







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FIGURE No. 3.1

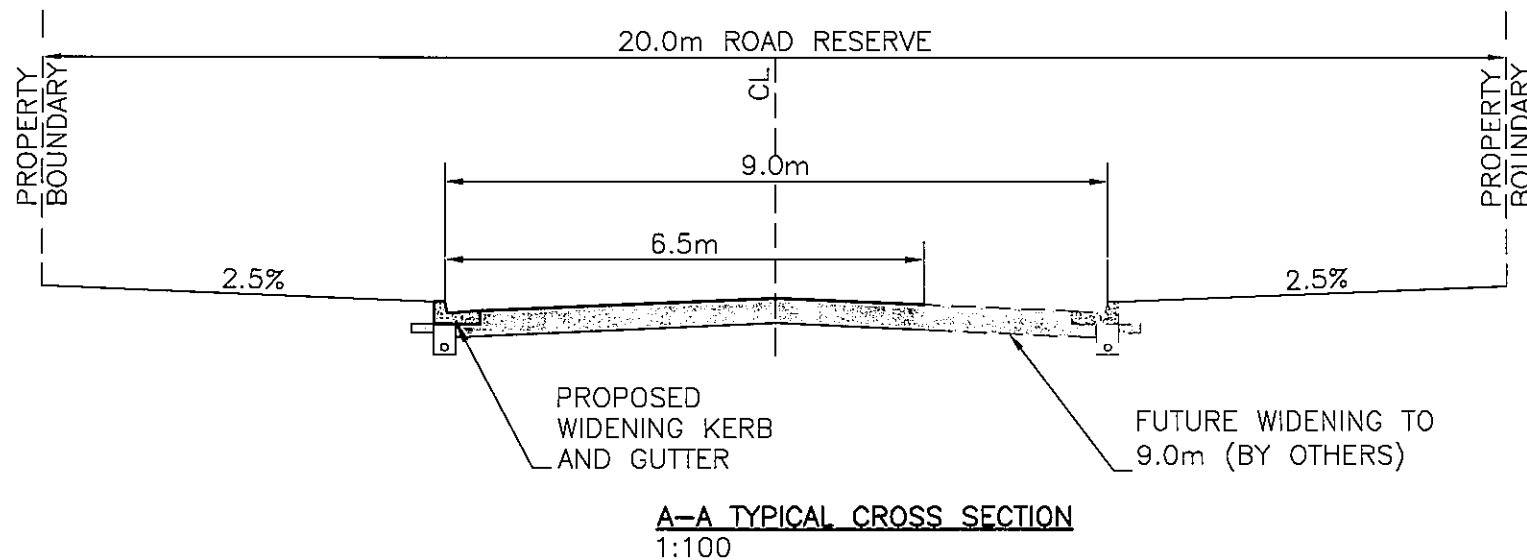
PROPOSED EARTHWORKS AND
SITE CROSS SECTIONS

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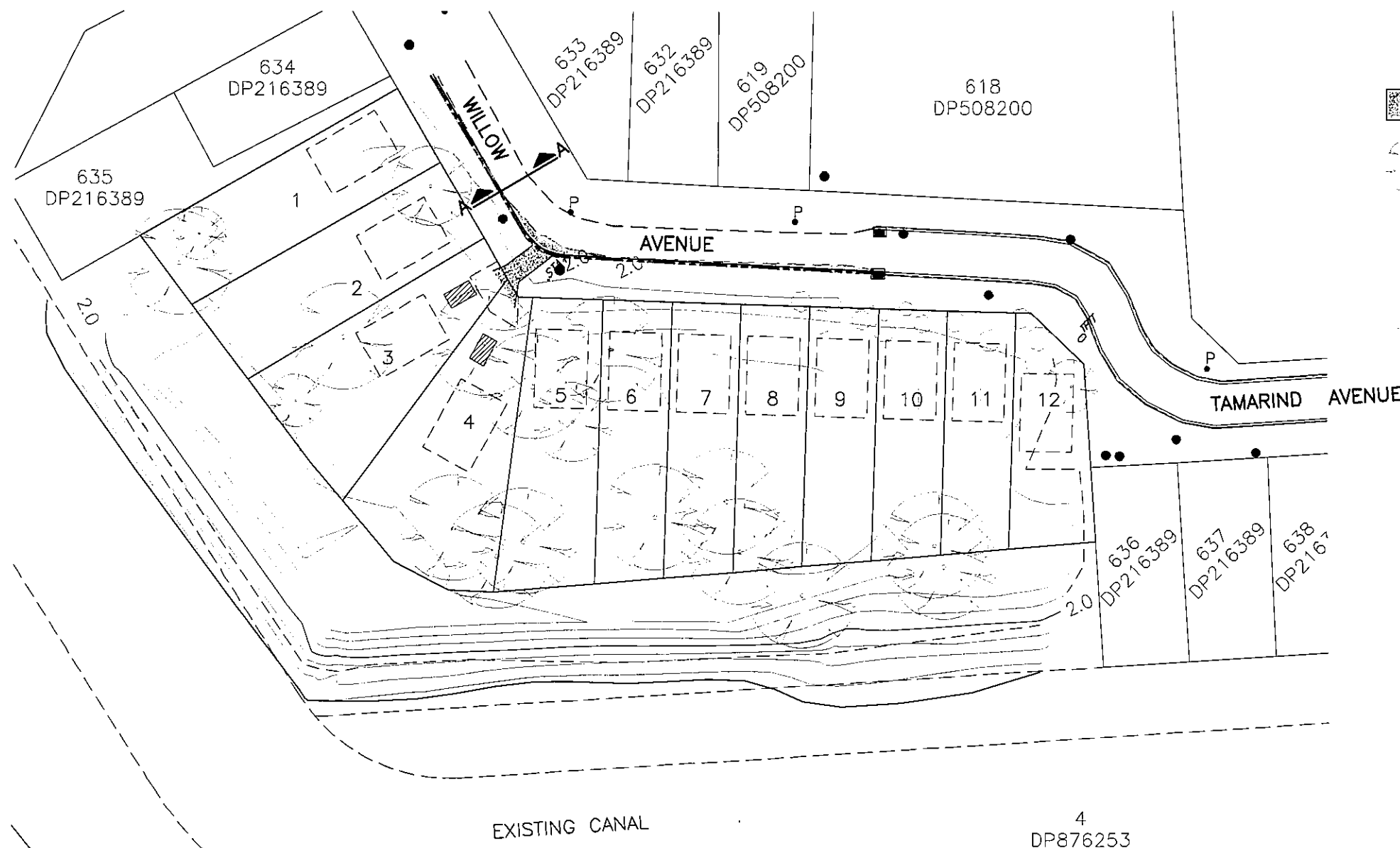
A.B.N. 79 086 342 065

1/10 Rivendell
PO Box 6389
Tweed Heads South NSW 2486
Telephone: (07) 5523 1755
Facsimile: (07) 5523 9664
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LEGEND

- EXISTING KERB AND GUTTER
- EXISTING EDGE OF BITUMEN
- PROPOSED KERB AND GUTTER
- PROPOSED CONCRETE DRIVEWAY
- INDICATIVE 10m x 15m BUILDING PAD
- PROPOSED VISITOR CAR PARKS
- EXISTING TELSTRA PIT
- EXISTING POWER POLE
- EXISTING GULLY PIT
- EXISTING SERVICE MANHOLES
- PROPOSED ROAD WIDENING
- EXISTING TREES AND VEGETATION TO BE RETAINED (REFER LANDSCAPE CONCEPT PLAN)



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FIGURE No. 4.0

PROPOSED WILLOW AVENUE ROAD
WIDENING

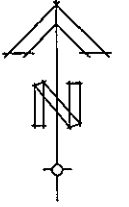
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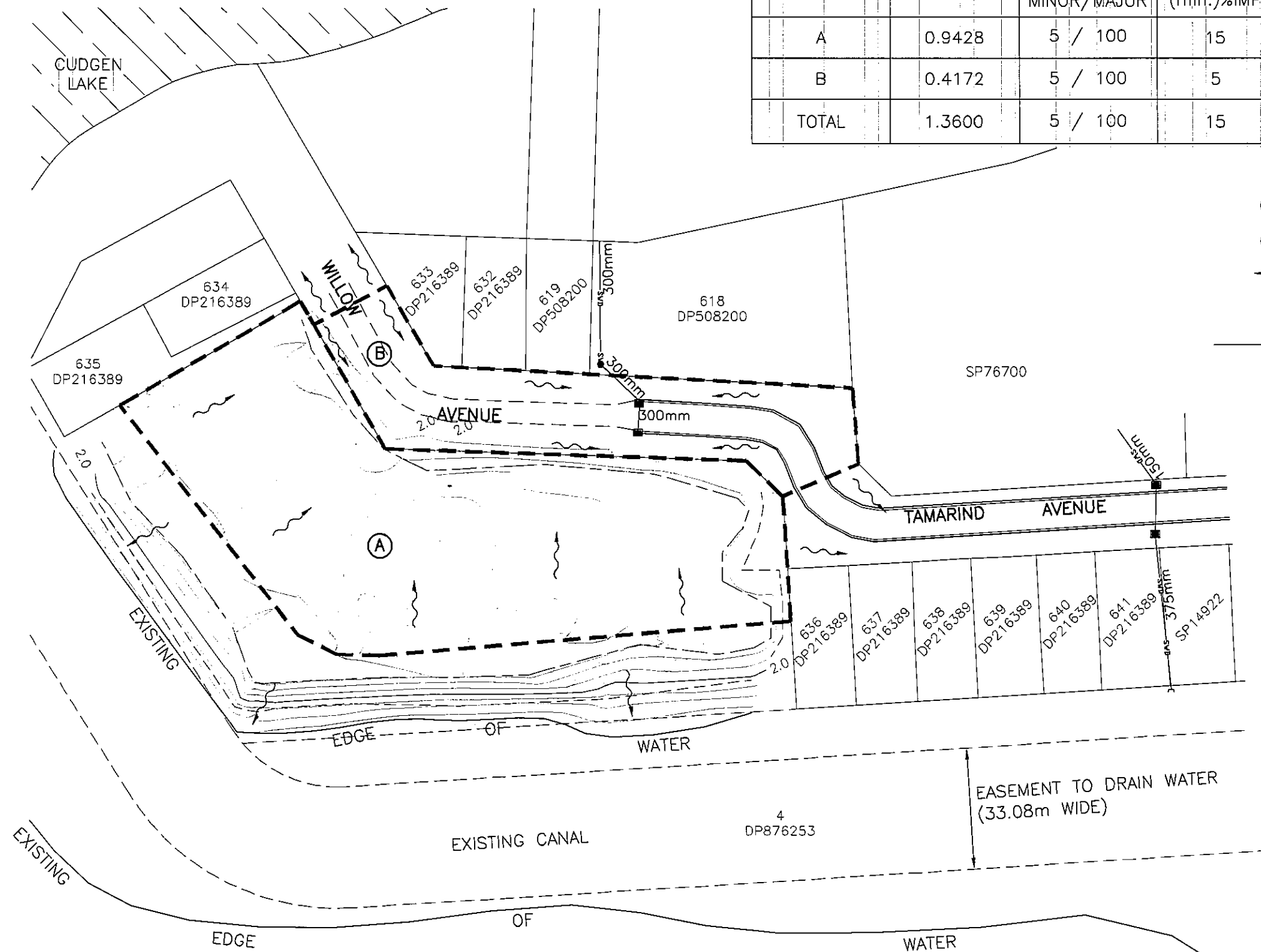
1/10 Rivendell
PO Box 6389
Tweed Heads South NSW 2486
Telephone: (07) 5523 1755
Facsimile: (07) 5523 9664
E-Mail: tweedheads@opusqmcw.com.au

CATCHMENT	AREA (ha)	ARI (yrs) MINOR/MAJOR	tc (min.)%IMP	SUBCATCHMENT Q5(m ³ /sec)	SUBCATCHMENT Q100(m ³ /sec)
A	0.9428	5 / 100	15	0.227	0.451
B	0.4172	5 / 100	5	0.166	0.324
TOTAL	1.3600	5 / 100	15	0.336	0.668



LEGEND

- (A) EXISTING CATCHMENT A (9428m²)
- (B) EXISTING CATCHMENT B (4172m²)
- ~ EXISTING OVERLAND FLOW
- EXISTING GULLY PITS
- SWD — EXISTING STORMWATER DRAINAGE
- EXISTING TREES TO BE RETAINED WHERE POSSIBLE (REFER LANDSCAPE CONCEPT PLAN)
- EXISTING VEGETATION TO BE RETAINED WHERE POSSIBLE OR REMOVED (REFER LANDSCAPE CONCEPT PLAN. QUALIFIED ARBORIST TO BE ONSITE BEFORE REMOVAL)



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FIGURE No. 4.1

EXISTING DRAINAGE PLAN

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A.B.N. 79 086 342 065

1/10 Rivendell
PO Box 6389
Tweed Heads South NSW 2486
Telephone: (07) 5523 1755
Facsimile: (07) 5523 9664
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LEGEND

150mm

100mm

100mm

EXISTING OVERHEAD ELECTRICITY

BCA/3

EXISTING GULLY PITS

EXISTING ELECTRICAL POWER POLE

EXISTING SEWER GRAVITY MAIN

EXISTING WATER RETICULATION

EXISTING SEWER RISING MAIN

EXISTING OVERHEAD ELECTRICITY

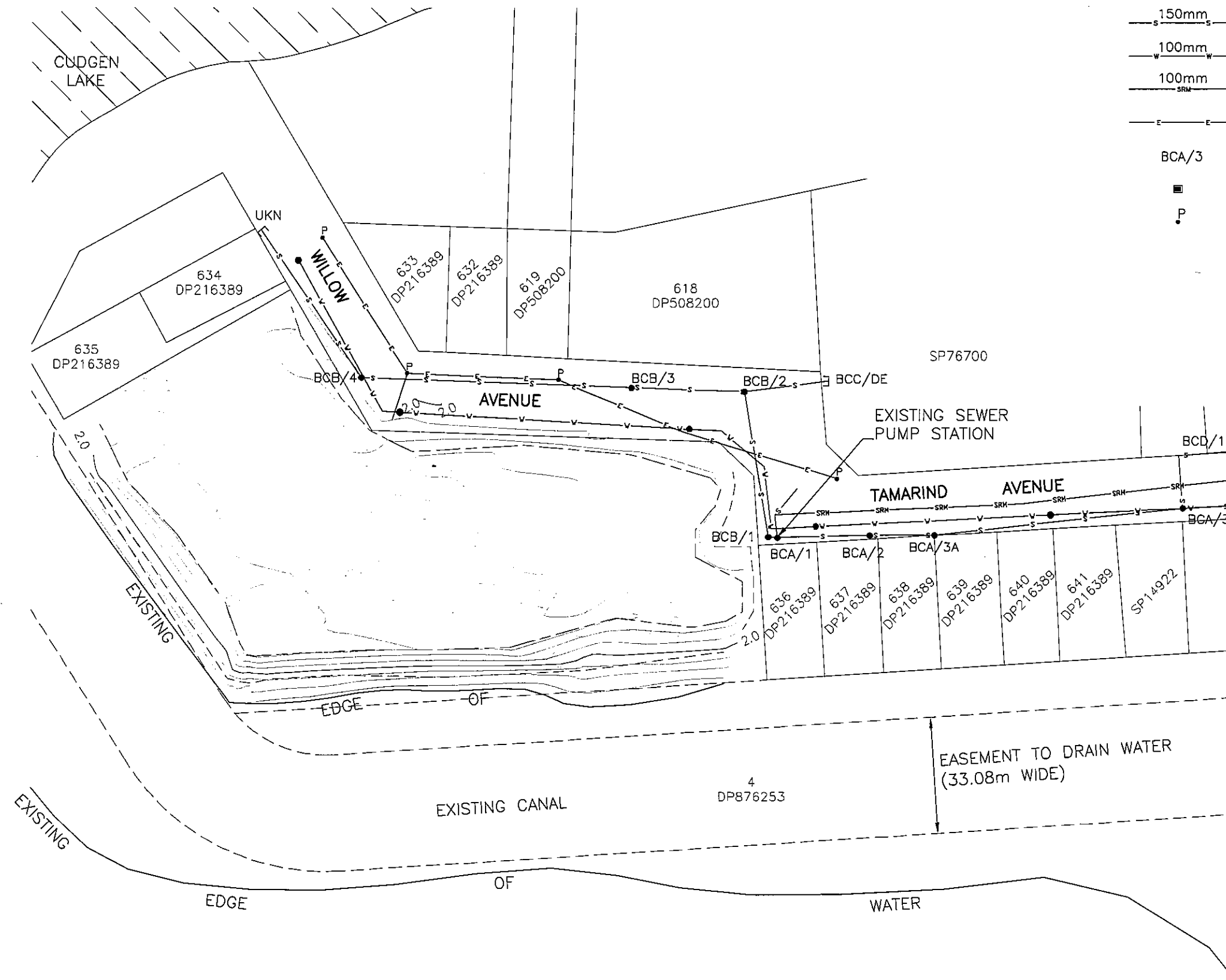
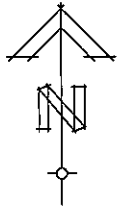
SEWER MANHOLE NUMBERS

EXISTING GULLY PITS

EXISTING ELECTRICAL POWER POLE

EXISTING TREES TO BE RETAINED WHERE POSSIBLE (REFER LANDSCAPE CONCEPT PLAN)

EXISTING VEGETATION TO BE RETAINED WHERE POSSIBLE OR REMOVED (REFER LANDSCAPE CONCEPT PLAN. QUALIFIED ARBORIST TO BE ONSITE BEFORE REMOVAL)



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BOGANGAR, NSW

FIGURE No. 4.2

EXISTING SEWER, WATER & SERVICES
PLAN

OPUS QANTEC McWILLIAM



A.B.N. 79 086 342 065

1/10 Rivendell
PO Box 6389
Tweed Heads South NSW 2486
Telephone: (07) 5523 1755
Facsimile: (07) 5523 9664
E-Mail: tweedheads@opusqmcw.com.au

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