2 MACPHERSON STREET, WARRIEWOOD

SUBDIVISION

000-SERIES

CIVIL WORKS PACKAGE

DRAWING LIST

C001	COVER SHEET AND LOCALITY PLAN
C002	GENERAL NOTES
C005	GENERAL ARRANGEMENT PLAN
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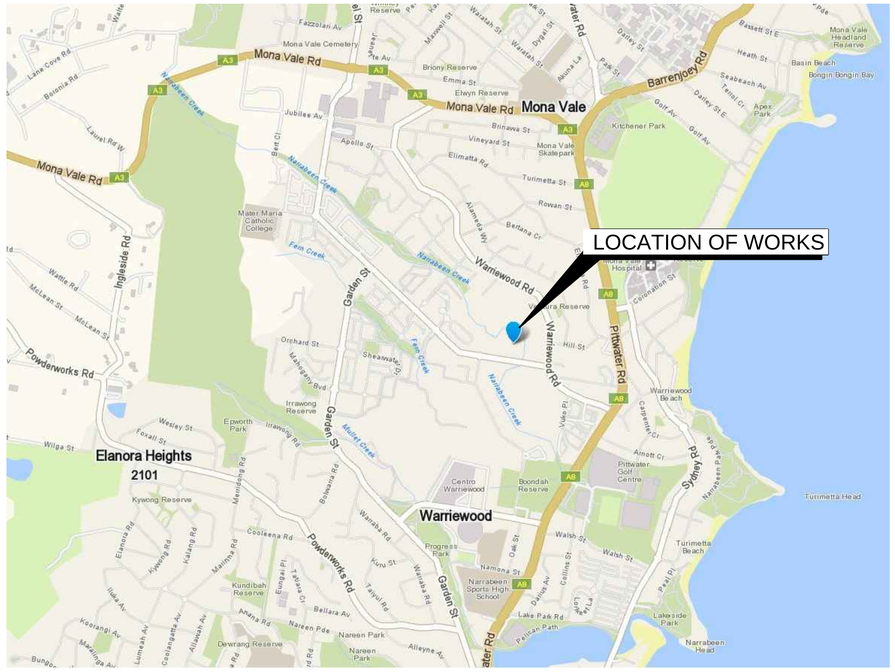
C054	MC01 CROSS SECTIONS SHEET 5
C055	MC01 CROSS SECTIONS SHEET 6
C056	MC01 CROSS SECTIONS SHEET 7
C070	SERVICES AND UTILITIES COORDINATION PLAN
C080	SEDIMENTATION AND EROSION CONTROL PLAN
C081	SEDIMENTATION AND EROSION CONTROL DETAILS
C082	SEDIMENTATION AND EROSION CONTROL CALCULATIONS
C090	INTERNAL STORMWATER CATCHMENT PLAN



LOCALITY PLAN

N.T.S

NOTE:
EXTENT OF WORKS IN THIS DRAWING PACKAGE IS BASED OF DA N03981

Issue	Description	Date
C	ISSUED FOR APPROVAL	22-07-19
B	ISSUED FOR APPROVAL	17-07-19
A	ISSUED FOR APPROVAL	12-07-19

Bar Scales

100mm on Original

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Scales	NTS	Drawn	GJ
		Designed	GJ
Grid	MGA	Checked	AT
Height Datum	AHD	Approved	

Project
2 MACPHERSON STREET
WARRIEWOOD
SUBDIVISION
PACKAGE

Title
COVER SHEET AND LOCALITY PLAN

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Status
FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Drawing No.	Project No.	Issue
C001	18-580	C

F:\18-580 Warriewood Meriton\6.0 Drgs\Civil\Final\000 Series - Subdivision\C001.dwg

SURVEY NOTES

THE EXISTING SITE CONDITIONS SHOWN ON THE FOLLOWING DRAWINGS HAVE BEEN INVESTIGATED BY JBW SURVEYORS, BEING REGISTERED SURVEYORS. THE INFORMATION IS SHOWN TO PROVIDE A BASIS FOR DESIGN. AT & L DOES NOT GUARANTEE THE ACCURACY OR COMPLETENESS OF THE SURVEY BASE OR ITS SUITABILITY AS A BASIS FOR CONSTRUCTION DRAWINGS.

SHOULD DISCREPANCIES BE ENCOUNTERED DURING CONSTRUCTION BETWEEN THE SURVEY DATA AND ACTUAL FIELD DATA, CONTACT AT & L.

THE FOLLOWING NOTES HAVE BEEN TAKEN DIRECTLY FROM THE ORIGINAL SURVEY DOCUMENTS.

THE INFORMATION SUPPLIED IN THIS DATA FILE IS SUPPLIED ON THE CONDITION THAT THESE GENERAL NOTES ARE ALWAYS STORED WITH THE SUPPLIED CAD DRAWING & IF THE DATA IS PROVIDED TO ANY PARTY ON ANY FORM OF HARD COPY OR COMPUTER MEDIA THEN THESE GENERAL NOTES WILL ALSO BE A PART OF THAT HARD MEDIA COPY OR COMPUTER MEDIA DATA.

THE RECORDS OF THE SERVICE AUTHORITIES HAVE NOT BEEN INVESTIGATED ONLY THOSE SERVICES VISIBLE AT THE TIME OF SURVEY HAVE BEEN SHOWN.

THE RECORDS OF THE SERVICE AUTHORITIES SHOULD BE INVESTIGATED AS TO THE LOCATION OF SERVICES PRIOR TO THE COMMENCEMENT OF ANY DETAILED DESIGN OR CONSTRUCTION WORKS.

THE POSITION OF IMPROVEMENT AND FEATURES HAVE BEEN LOCATED FOR PLOTTING PURPOSES ONLY.

IMPROVEMENTS AND FEATURES SHOWN ON OR NEAR THE BOUNDARIES ARE INDICATIVE ONLY.

LEVELS ARE BASED ON AUSTRALIAN HEIGHT DATUM (AHD) THE ORIGIN OF WHICH IS PM 55212, RL 4.641 AHD AS SUPPLIED BY SCIMS DATED 9/12/2004.

THE BOUNDARIES HAVE NOT BEEN SURVEYED, DIMENSIONS HAVE BEEN COMPILED FROM THE SUBJECT DEPOSITED PLANS AND ARE SUBJECT TO FINAL SURVEY.

THE BOUNDARIES SHOULD BE SURVEYED AND MARKED PRIOR TO THE COMMENCEMENT OF ANY CONSTRICTION WORK.

CONTOURS SHOWN ARE AT 0.5 METRE INTERVALS.

CONCRETE NOTES

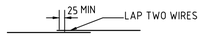
1. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS 3600 CURRENT EDITION WITH AMENDMENTS, EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS.
2. CONCRETE QUALITY
   ALL REQUIREMENTS OF THE CURRENT ACSE CONCRETE SPECIFICATION DOCUMENT 1 SHALL APPLY TO THE FORMWORK, REINFORCEMENT AND CONCRETE UNLESS NOTED OTHERWISE.

ELEMENT	AS 3600 F'c MPa AT 28 DAYS	SPECIFIED SLUMP	NOMINAL AGG. SIZE
VEHICULAR BASE	32	60	20
KERBS, PATHS, AND PITS	32	80	20

   - CEMENT TYPE SHALL BE (ACSE SPECIFICATION) TYPE SL
   - PROJECT CONTROL TESTING SHALL BE CARRIED OUT IN ACCORDANCE WITH AS 1379.
3. NO ADMIXTURES SHALL BE USED IN CONCRETE UNLESS APPROVED IN WRITING BY AT & L.
4. CLEAR CONCRETE COVER TO ALL REINFORCEMENT FOR DURABILITY SHALL BE 40mm TOP AND 70mm FOR EXTERNAL EDGES UNLESS NOTED OTHERWISE.
5. ALL REINFORCEMENT SHALL BE FIRMLY SUPPORTED ON MILD STEEL PLASTIC TIPPED CHAIRS, PLASTIC CHAIRS OR CONCRETE CHAIRS AT NOT GREATER THAN 1m CENTRES BOTH WAYS. BARS SHALL BE TIED AT ALTERNATE INTERSECTIONS.
6. THE FINISHED CONCRETE SHALL BE A DENSE HOMOGENEOUS MASS, COMPLETELY FILLING THE FORMWORK, THOROUGHLY EMBEDDING THE REINFORCEMENT AND FREE OF STONE POCKETS. ALL CONCRETE INCLUDING SLABS ON GROUND AND FOOTINGS SHALL BE COMPACTED AND CURED IN ACCORDANCE WITH R.T.A. SPECIFICATION R83.
7. REINFORCEMENT SYMBOLS:
   N DENOTES GRADE 450 N BARS TO AS 1302 GRADE N
   R DENOTES 230 R HOT ROLLED PLAIN BARS TO AS 1302
   SL DENOTES HARD-DRAWN WIRE REINFORCING FABRIC TO AS 1304

   NUMBER OF BARS IN GROUP — BAR GRADE AND TYPE
   17 N 20 250
   NOMINAL BAR SIZE IN mm — SPACING IN mm

   THE FIGURE FOLLOWING THE FABRIC SYMBOL SL IS THE REFERENCE NUMBER FOR FABRIC TO AS 1304.
8. FABRIC SHALL BE LAPPED IN ACCORDANCE WITH THE FOLLOWING DETAIL:



SITEWORKS NOTES

1. ORIGIN OF LEVELS:- REFER SURVEY NOTES.
2. CONTRACTOR MUST VERIFY ALL DIMENSIONS AND EXISTING LEVELS ON SITE PRIOR TO COMMENCEMENT OF WORK. ANY DISCREPANCIES TO BE REPORTED TO AT & L.
3. MAKE SMOOTH CONNECTION WITH EXISTING WORKS.
4. ALL TRENCH BACKFILL MATERIAL SHALL BE COMPACTED TO THE SAME DENSITY AS THE ADJACENT MATERIAL.
5. ALL SERVICE TRENCHES UNDER VEHICULAR PAVEMENTS SHALL BE BACKFILLED WITH SAND TO 300mm ABOVE PIPE. WHERE PIPE IS UNDER PAVEMENTS BACKFILL REMAINDER OF TRENCH TO UNDERSIDE OF PAVEMENT WITH SAND OR APPROVED GRANULAR MATERIAL COMPACTED IN 150mm LAYERS TO MINIMUM 98% MODIFIED MAXIMUM DRY DENSITY IN ACCORDANCE WITH AS 1289 5.2.1.
   (OR A DENSITY INDEX OF NOT LESS THAN 75)
6. PROVIDE 10mm WIDE EXPANSION JOINTS BETWEEN BUILDINGS AND ALL CONCRETE OR UNIT PAVEMENTS.
7. ASPHALTIC CONCRETE SHALL CONFORM TO RMS SPECIFICATION R116.
8. ALL BASECOURSE MATERIAL SHALL BE IGNEOUS ROCK QUARRIED MATERIAL TO COMPLY WITH RMS FORM 3051 (UNBOUND), RMS FORM 3052 (BOUND) COMPACTED TO MINIMUM 98% MODIFIED DENSITY IN ACCORDANCE WITH AS 1289 5.2.1
   FREQUENCY OF COMPACTION TESTING SHALL NOT BE LESS THAN 1 TEST PER $50m^3$ OF BASECOURSE MATERIAL PLACED.
9. ALL SUB-BASE COURSE MATERIAL SHALL BE IGNEOUS ROCK QUARRIED MATERIAL TO COMPLY WITH RMS FORM 3051, 3051.1 AND COMPACTED TO MINIMUM 98% MODIFIED DENSITY IN ACCORDANCE WITH A.S 1289 5.2.1
   FREQUENCY OF COMPACTION TESTING SHALL NOT BE LESS THAN 1 TEST PER $50m^3$ OF SUB-BASE COURSE MATERIAL PLACED.
10. AS AN ALTERNATIVE TO THE USE OF IGNEOUS ROCK AS A SUB-BASE MATERIAL IN (9) A CERTIFIED RECYCLED CONCRETE MATERIAL COMPLYING WITH RMS FORM 3051 AND 3051.1 WILL BE CONSIDERED. SUBJECT TO MATERIAL SAMPLES AND APPROPRIATE CERTIFICATIONS BEING PROVIDED TO THE SATISFACTION OF AT & L.
11. SHOULD THE CONTRACTOR WISH TO USE A RECYCLED PRODUCT THIS SHALL BE CLEARLY INDICATED IN THEIR TENDER AND THE PRICE DIFFERENCE BETWEEN AN IGNEOUS PRODUCT AND A RECYCLED PRODUCT SHALL BE CLEARLY INDICATED.
12. WHERE NOTED ON THE DRAWINGS THAT WORKS ARE TO BE CARRIED BY OTHERS, (eg. ADJUSTMENT OF SERVICES), THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CO-ORDINATION OF THESE WORKS.
13. CIVIL WORKS TO BE CONSTRUCTED IN ACCORDANCE WITH CITY OF BOTANY BAY COUNCIL CIVIL WORKS SPECIFICATIONS 2013. WHERE ANY AMBIGUITY BETWEEN AT&L SPECIFICATIONS AND COUNCIL SPECIFICATIONS EXIST, COUNCIL SPECIFICATIONS TAKES PRECEDENCE.
14. INSPECTIONS ARE TO BE UNDERTAKEN IN ACCORDANCE WITH AN APPROVED INSPECTION REGISTER.

EXISTING UNDERGROUND SERVICES NOTES

THE LOCATIONS OF UNDERGROUND SERVICES SHOWN IN THIS SET OF DRAWINGS HAVE BEEN PLOTTED FROM SURVEY INFORMATION AND SERVICE AUTHORITY INFORMATION. THE SERVICE INFORMATION HAS BEEN PREPARED ONLY TO SHOW THE APPROXIMATE POSITIONS OF ANY KNOWN SERVICES AND MAY NOT BE AS CONSTRUCTED OR ACCURATE.

AT & L CAN NOT GUARANTEE THAT THE SERVICES INFORMATION SHOWN ON THESE DRAWINGS ACCURATELY INDICATES THE PRESENCE OR ABSENCE OF SERVICES OR THEIR LOCATION AND WILL ACCEPT NO LIABILITY FOR INACCURACIES IN THE SERVICES INFORMATION SHOWN FROM ANY CAUSE WHATSOEVER.

CONTRACTORS SHALL TAKE DUE CARE WHEN EXCAVATING ONSITE INCLUDING HAND EXCAVATION WHERE NECESSARY.

CONTRACTORS ARE TO CONTACT THE RELEVANT SERVICE AUTHORITY PRIOR TO COMMENCEMENT OF EXCAVATION WORKS.

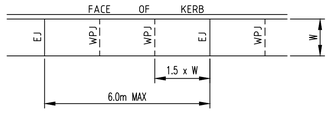
CONTRACTORS ARE TO UNDERTAKE A SERVICES SEARCH, PRIOR TO COMMENCEMENT OF WORKS ON SITE. SEARCH RESULTS ARE TO BE KEPT ON SITE AT ALL TIMES.

AL SURFACE LIDS/FITTINGS TO BE ADJUSTED TO SUIT FINISHED SURFACE LEVELS.

JOINTING NOTES

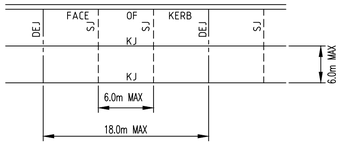
PEDESTRIAN PAVEMENT JOINTS

1. ALL PEDESTRIAN PAVEMENTS ARE TO BE JOINTED AS FOLLOWS. (U.N.O)
2. EXPANSION JOINTS ARE TO BE LOCATED WHERE POSSIBLE AT TANGENT POINTS OF CURVES AND ELSEWHERE AT MAX. 6.0m CENTRES.
3. WEAKENED PLANE JOINTS ARE TO BE LOCATED AT A MAX. SPACING OF 1.5 x WIDTH OF THE PAVEMENT.
4. WHERE POSSIBLE JOINTS SHOULD BE LOCATED TO MATCH KERBING AND OR ADJACENT PAVEMENT JOINTS.
5. PEDESTRIAN PAVEMENT JOINT DETAIL.



VEHICULAR PAVEMENT JOINTS

6. ALL VEHICULAR PAVEMENTS TO BE JOINTED AS FOLLOWS. (U.N.O)
7. KEYED CONSTRUCTION JOINTS SHOULD GENERALLY BE LOCATED AT A MAX OF 6.0m CENTRES
8. SAWN JOINTS SHOULD GENERALLY BE LOCATED AT A MAX OF 6.0m CENTRES WITH DOWELED EXPANSION JOINTS AT MAX 18.0m CENTRES
9. VEHICULAR PAVEMENT JOINT DETAIL.



EROSION AND SEDIMENT CONTROL NOTES

GENERAL INSTRUCTIONS

1. THE SITE SUPERINTENDENT/ENGINEER WILL ENSURE THAT ALL SOIL AND WATER MANAGEMENT WORKS ARE LOCATED AS DOCUMENTED.
2. ALL WORK SHALL BE GENERALLY CARRIED OUT IN ACCORDANCE WITH
   a. LOCAL AUTHORITY REQUIREMENTS
   b. EPA REQUIREMENTS
   c. NSW DEPARTMENT OF HOUSING MANUAL "MANAGING URBAN STORMWATER, SOILS AND CONSTRUCTION", 4th EDITION, MARCH 2004.
3. MAINTAIN THE EROSION CONTROL DEVICES TO THE SATISFACTION OF THE SUPERINTENDENT AND THE LOCAL AUTHORITY.
4. WHEN STORMWATER PITS ARE CONSTRUCTED, PREVENT SITE RUNOFF ENTERING UNLESS SEDIMENT FENCES ARE ERECTED AROUND PITS.
5. CONTRACTOR IS TO ENSURE ALL EROSION & SEDIMENT CONTROL DEVICES ARE MAINTAINED IN GOOD WORKING ORDER AND OPERATE EFFECTIVELY. REPAIRS AND OR MAINTENANCE SHALL BE UNDERTAKEN AS REQUIRED, PARTICULARLY FOLLOWING STORM EVENTS.

LAND DISTURBANCE

6. WHERE PRACTICAL, THE SOIL EROSION HAZARD ON THE SITE WILL BE KEPT AS LOW AS POSSIBLE. TO THIS END, WORKS SHOULD BE UNDERTAKEN IN THE FOLLOWING SEQUENCE:
   (A) INSTALL A SEDIMENT FENCE ALONG THE BOUNDARIES AS SHOWN ON PLAN. REFER DETAIL.
   (B) CONSTRUCT STABILISED CONSTRUCTION ENTRANCE TO LOCATION AS DETERMINED BY SUPERINTENDENT/ENGINEER. REFER DETAIL.
   (C) INSTALL SEDIMENT TRAPS AS SHOWN ON PLAN.
   (D) UNDERTAKE SITE DEVELOPMENT WORKS IN ACCORDANCE WITH THE ENGINEERING PLANS. WHERE POSSIBLE, PHASE DEVELOPMENT SO THAT LAND DISTURBANCE IS CONFINED TO AREAS OF WORKABLE SIZE.

EROSION CONTROL

7. DURING WINDY WEATHER, LARGE, UNPROTECTED AREAS WILL BE KEPT MOIST (NOT WET) BY SPRINKLING WITH WATER TO KEEP DUST UNDER CONTROL.
8. FINAL SITE LANDSCAPING WILL BE UNDERTAKEN AS SOON AS POSSIBLE AND WITHIN 20 WORKING DAYS FROM COMPLETION OF CONSTRUCTION ACTIVITIES.

SEDIMENT CONTROL

9. STOCKPILES WILL NOT BE LOCATED WITHIN 2 METRES OF HAZARD AREAS, INCLUDING LIKELY AREAS OF CONCENTRATED OR HIGH VELOCITY FLOWS SUCH AS WATERWAYS. WHERE THEY ARE BETWEEN 2 AND 5 METRES FROM SUCH AREAS, SPECIAL SEDIMENT CONTROL MEASURES SHOULD BE TAKEN TO MINIMISE POSSIBLE POLLUTION TO DOWNSLOPE WATERS, E.G. THROUGH INSTALLATION OF SEDIMENT FENCING.
10. ANY SAND USED IN THE CONCRETE CURING PROCESS (SPREAD OVER THE SURFACE) WILL BE REMOVED AS SOON AS POSSIBLE AND WITHIN 10 WORKING DAYS FROM PLACEMENT.
11. WATER WILL BE PREVENTED FROM ENTERING THE PERMANENT DRAINAGE SYSTEM UNLESS IT IS RELATIVELY SEDIMENT FREE, I.E. THE CATCHMENT AREA HAS BEEN PERMANENTLY LANDSCAPED AND/OR ANY LIKELY SEDIMENT HAS BEEN FILTERED THROUGH AN APPROVED STRUCTURE.
12. TEMPORARY SOIL AND WATER MANAGEMENT STRUCTURES WILL BE REMOVED ONLY AFTER THE LANDS THEY ARE PROTECTING ARE REHABILITATED.

OTHER MATTERS

13. ACCEPTABLE RECEPTORS WILL BE PROVIDED FOR CONCRETE AND MORTAR SLURRIES, PAINTS, ACID WASHINGS, LIGHT-WEIGHT WASTE MATERIALS AND LITTER.
14. ANY EXISTING TREES WHICH FORM PART OF THE FINAL LANDSCAPING PLAN WILL BE PROTECTED FROM CONSTRUCTION ACTIVITIES BY:
   (A) PROTECTING THEM WITH BARRIER FENCING OR SIMILAR MATERIALS INSTALLED OUTSIDE THE DRIP LINE
   (B) ENSURING THAT NOTHING IS NAILED TO THEM
   (C) PROHIBITING PAVING, GRADING, SEDIMENT WASH OR PLACING OF STOCKPILES WITHIN THE DRIP LINE EXCEPT UNDER THE FOLLOWING CONDITIONS.
      (I) ENCROACHMENT ONLY OCCURS ON ONE SIDE AND NO CLOSER TO THE TRUNK THAN EITHER 1.5 METRES OR HALF THE DISTANCE BETWEEN THE OUTER EDGE OF THE DRIP LINE AND THE TRUNK, WHICH EVER IS THE GREATER
      (II) A DRAINAGE SYSTEM THAT ALLOWS AIR AND WATER TO CIRCULATE THROUGH THE ROOT ZONE (E.G. A GRAVEL BED) IS PLACED UNDER ALL FILL LAYERS OF MORE THAN 300 MILLIMETRES DEPTH
      (III) CARE IS TAKEN NOT TO CUT ROOTS UNNECESSARILY NOR TO COMPACT THE SOIL AROUND THEM.

DIAL 1100 BEFORE YOU DIG

CONTRACTOR SHALL CALL;
DIAL BEFORE
YOU DIG 1100
PRIOR TO COMMENCEMENT OF WORK TO OBTAIN ALL CURRENT SERVICE AUTHORITY PLANS

Issue	Description	Date
C	ISSUED FOR APPROVAL	22-07-19
B	ISSUED FOR APPROVAL	17-07-19
A	ISSUED FOR APPROVAL	12-07-19

Bar Scales

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Scales	NTS	Drawn	GJ
		Designed	GJ
Grid	MGA	Checked	AT
Height Datum	AHD	Approved	

Project
2 MACPHERSON STREET
WARRIEWOOD
SUBDIVISION
PACKAGE

Title
GENERAL NOTES

Civil Engineers and Project Managers
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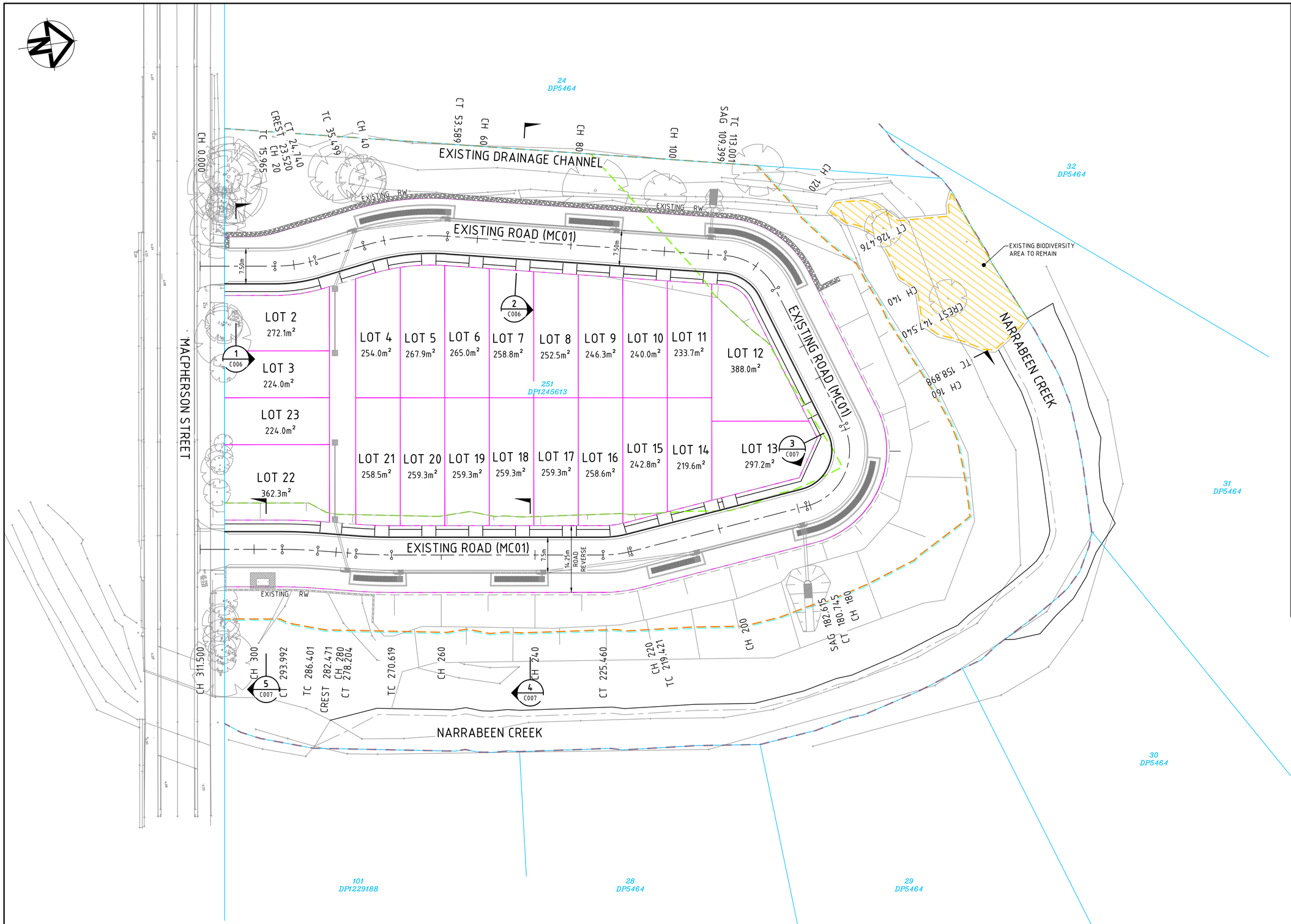
Status
FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Drawing No.	Project No.	Issue
C002	18-580	C

100mm on Original

F:\18-580 Warriewood Meriton\6.0 Drgs\Civil\Final\000 Series - Subdivision\C002.dwg



GENERAL ARRANGEMENT LEGEND

EXISTING

- EXISTING BOUNDARY
- EXISTING CONTOUR
- EXISTING 20m ASSET PROTECTION ZONE
- EXISTING TREE
- EXISTING CREEK CENTERLINE
- EXISTING 25m RIPARIAN CORRIDOR
- EXISTING 25m PRIVATE BUFFER

WORKS INSTALLED AS PART OF DA N03981

- EXISTING BIODIVERSITY EXTENTS
- K&G — EXISTING KERB & GUTTER
- RK — EXISTING ROLL TOP KERB AND GUTTER
- EXISTING BATTER
- RRW — EXISTING ROCK RETAINING WALL
- RW — EXISTING RETAINING WALL
- 375ø — EXISTING STORMWATER PIPE (SHOWING SIZE)
- EXISTING STORMWATER KERB INLET PIT
- EXISTING STORMWATER SURFACE INLET PIT
- EXISTING STORMWATER RAINGARDEN
- A\1 — EXISTING STORMWATER PIT NUMBER

PROPOSED

- PROPOSED BOUNDARY
- PROPOSED EASEMENT
- PROPOSED DRIVEWAY. LOCATIONS SHOWN ARE INDICATIVE ONLY AND ARE SUBJECT TO FUTURE APPROVAL

NOTES

1. ROADWORKS, EARTHWORKS, STORMWATER AND CREEK WORKS N03981 TO FORM PART OF THE EARLY WORKS PACKAGE. REFER TO THE EARLY WORKS PACKAGE FOR DETAILS.
2. REFER DRAWING C020 FOR CIVIL DETAILS.

Issue	Description	Date
E	ISSUED FOR APPROVAL	30-01-20
D	ISSUED FOR APPROVAL	27-11-19
C	ISSUED FOR APPROVAL	22-07-19
B	ISSUED FOR APPROVAL	17-07-19
A	ISSUED FOR APPROVAL	12-07-19

100mm on Original

Bar Scales

0 10 20 30 40m

1 : 400 @ A1 1 : 800 @ A3

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Scales	1 : 400 @ A1	Drawn	GJ
		Designed	GJ
Grid	MGA	Checked	AT
Height Datum	AHD	Approved	

Project
2 MACPHERSON STREET
WARRIEWOOD
SUBDIVISION
PACKAGE

Title
GENERAL ARRANGEMENT PLAN

Civil Engineers and Project Managers
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Status
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NOT TO BE USED FOR CONSTRUCTION

A1

Drawing No.	Project No.	Issue
C005	18-580	E

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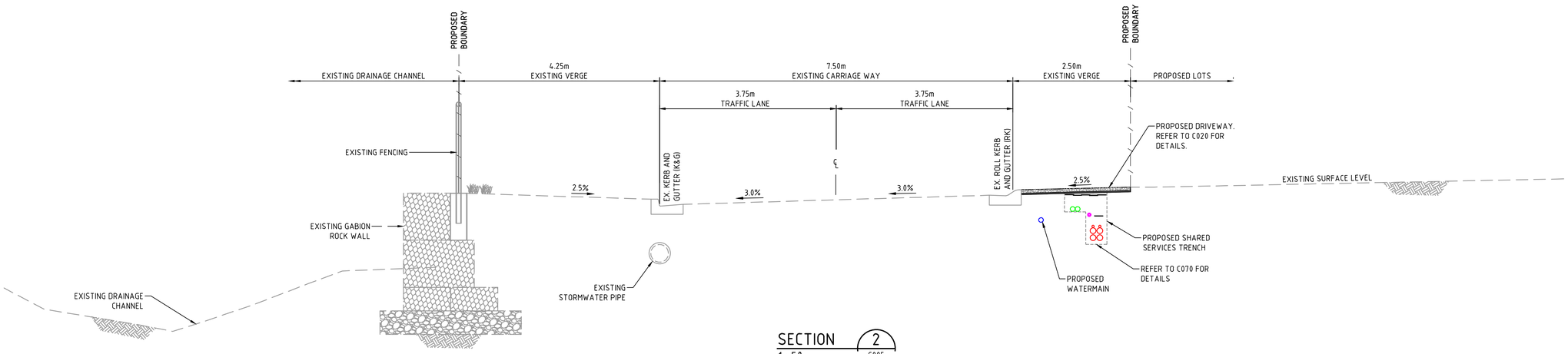
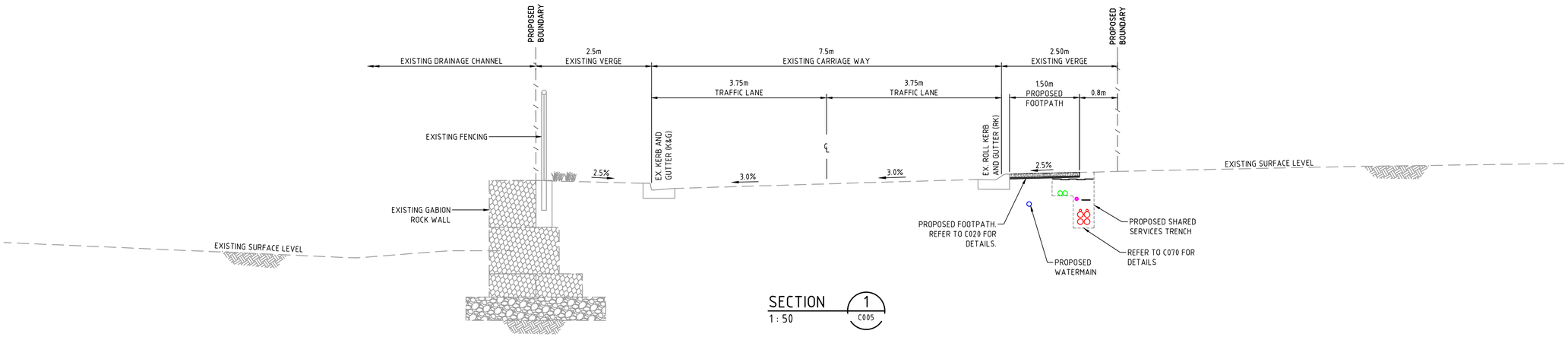


SECTION 2
1 : 50 C005



SECTION 1
1 : 50 C005

Issue	Description	Date
E	ISSUED FOR APPROVAL	27-11-19
D	ISSUED FOR APPROVAL	22-07-19
C	ISSUED FOR APPROVAL	17-07-19
B	ISSUED FOR APPROVAL	15-07-19
A	ISSUED FOR APPROVAL	12-07-19

100mm on Original

Bar Scales

0 1 2 3 4 5m

1 : 50 @ A1 1 : 100 @ A3

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Scales	1 : 50 @ A1	Drawn	GJ
		Designed	GJ
Grid	MGA	Checked	AT
Height Datum	AHD	Approved	

Project
2 MACPHERSON STREET
WARRIEWOOD
SUBDIVISION
PACKAGE

Title
TYPICAL SECTIONS
SHEET 1 OF 2

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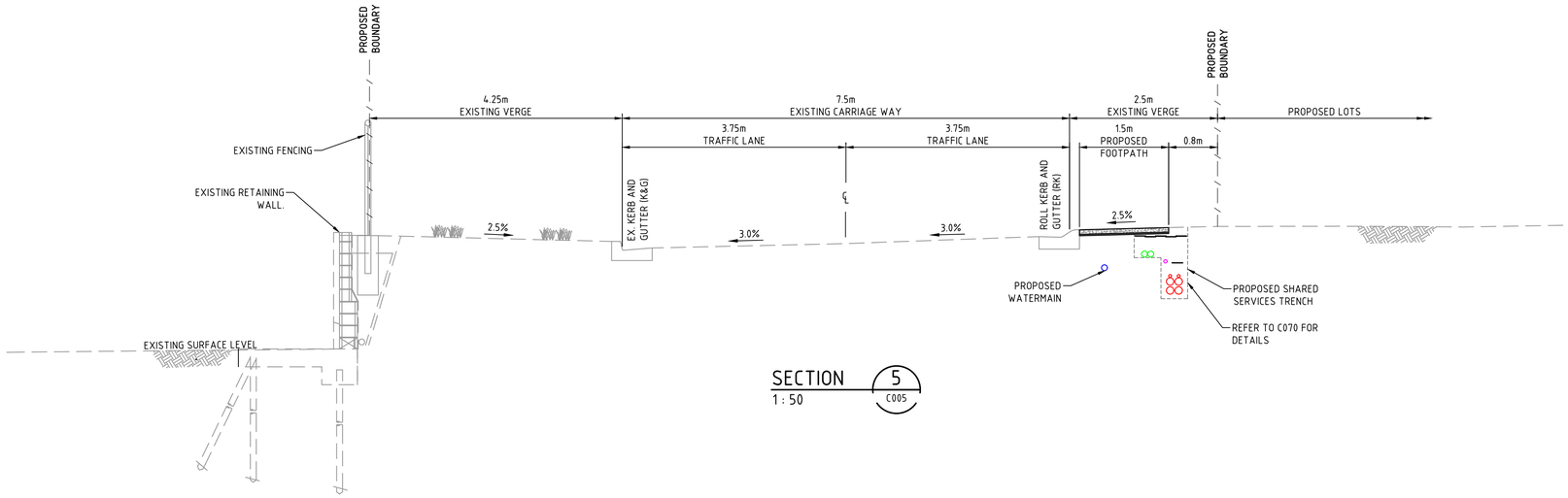
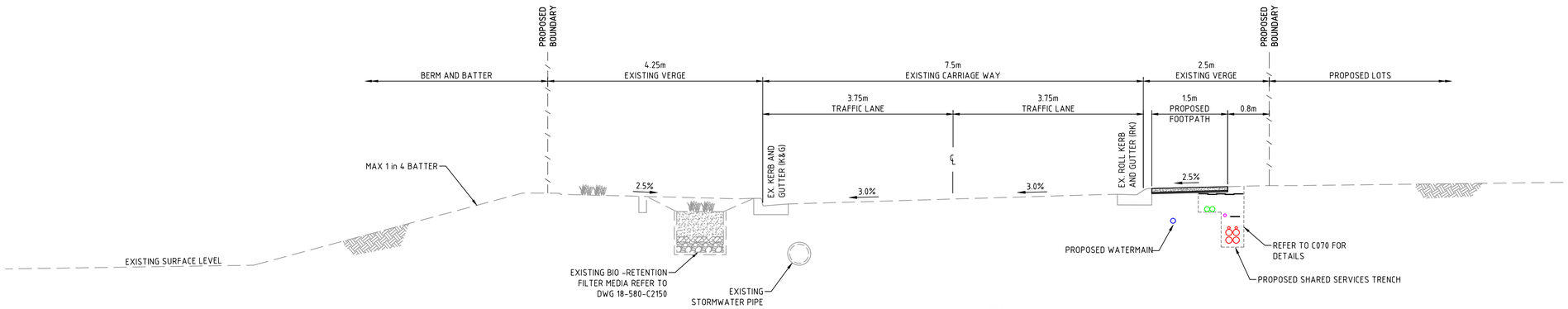
Drawing No.	Project No.	Issue
C006	18-580	E

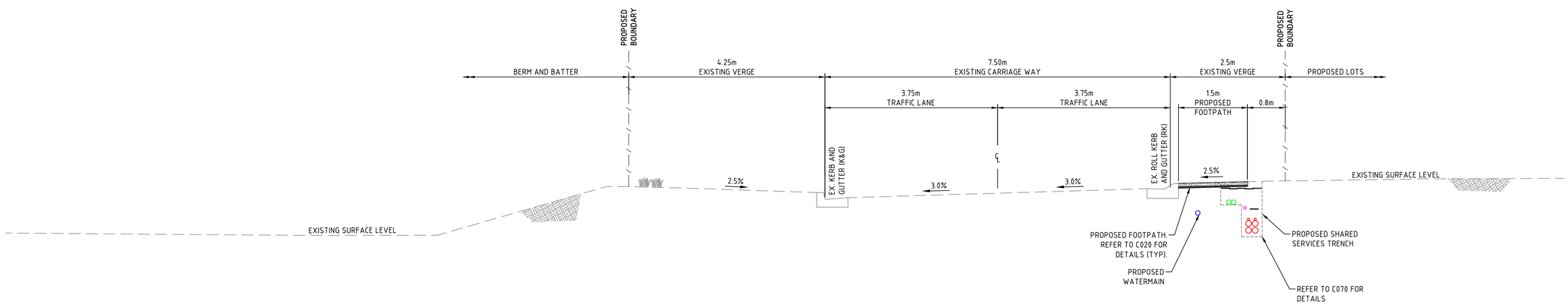
F:\18-580 Warriewood Meriton\6.0 Drgs\Civil\Final\000 Series - Subdivision\C006.dwg



SECTION 5 C005
1 : 50



SECTION 4 C005
1 : 50



SECTION 3 C005
1 : 50

Issue	Description	Date
E	ISSUED FOR APPROVAL	30-01-20
D	ISSUED FOR APPROVAL	27-11-19
C	ISSUED FOR APPROVAL	22-07-19
B	ISSUED FOR APPROVAL	17-07-19
A	ISSUED FOR APPROVAL	12-07-19

Bar Scales

0 1 2 3 4 5m

1 : 50 @ A1 1 : 100 @ A3

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Client
KARIMBLA
CONSTRUCTION SERVICES (NSW)
PTY LIMITED
Level 11, 528 Kent Street, Sydney NSW 2000
Tel: (02) 9287 2888 Fax: (02) 9287 2777
Email: info@design.meriton.com.au
Internet: http://www.meriton.com.au

Scales	1 : 50 @ A1	Drawn	GJ
		Designed	GJ
Grid	MGA	Checked	AT
Height Datum	AHD	Approved	

Project
2 MACPHERSON STREET
WARRIEWOOD
SUBDIVISION
PACKAGE

Title
TYPICAL SECTIONS
SHEET 2 OF 2

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9460 8413
www.atl.net.au
info@atl.net.au

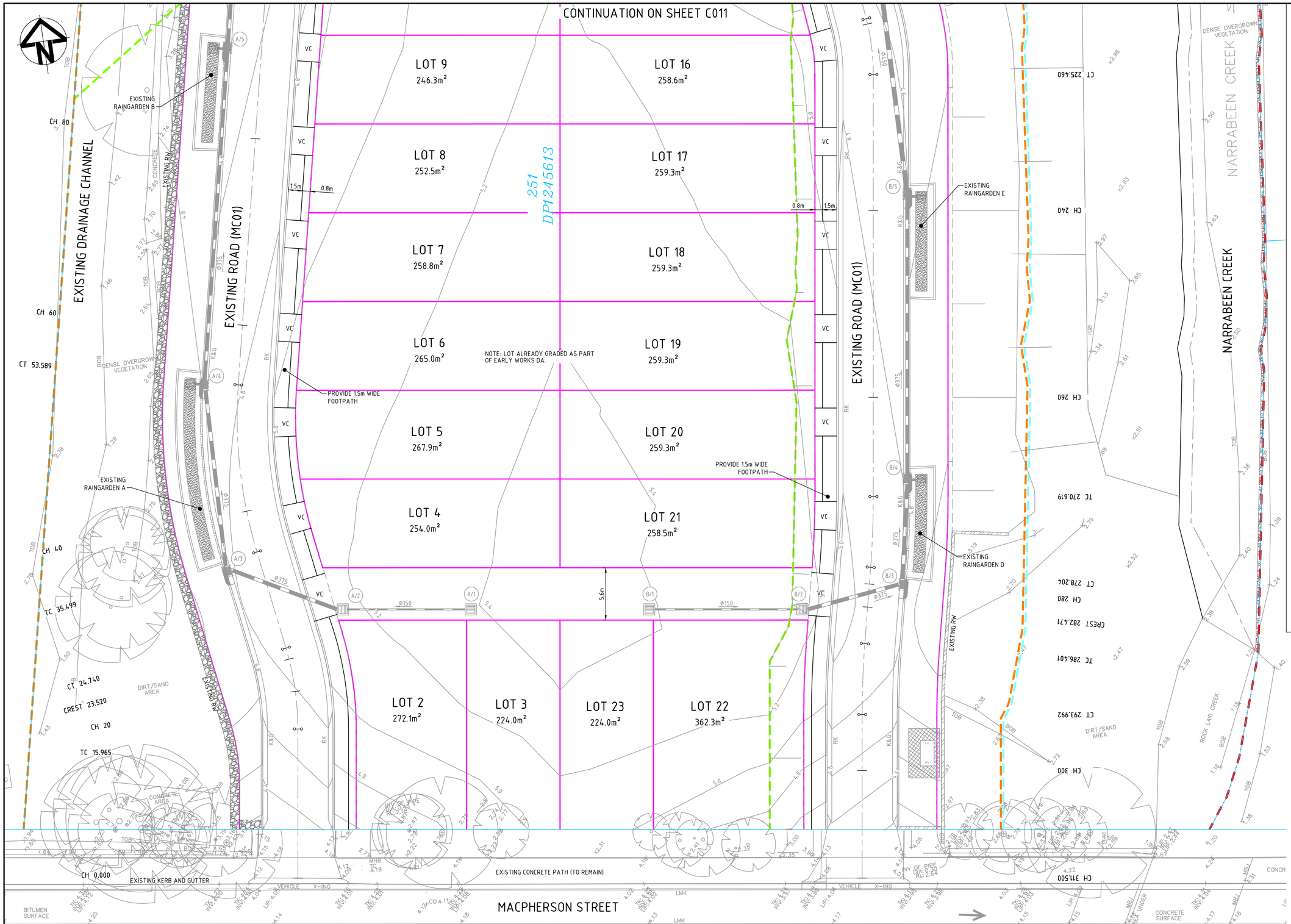
Status
FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Drawing No.	Project No.	Issue
C007	18-580	E

100mm on Original

F:\18-580 Warriewood Meriton\6.0 Drgs\Civil\Final\000 Series - Subdivision\C007.dwg



SITEWORKS LEGEND

EXISTING

- EXISTING BOUNDARY
- EXISTING CONTOUR
- EXISTING 20m ASSET PROTECTION ZONE
- EXISTING TREE
- EXISTING CREEK CENTERLINE
- EXISTING 25m RIPARIAN CORRIDOR
- EXISTING 25m PRIVATE BUFFER

WORKS INSTALLED AS PART OF DA N03981

- EXISTING BIODIVERSITY EXTENTS
- K&G — EXISTING KERB & GUTTER
- RK — EXISTING ROLL TOP KERB AND GUTTER
- EXISTING BATTER
- RRW — EXISTING ROCK RETAINING WALL
- RW — EXISTING RETAINING WALL
- 375Ø — EXISTING STORMWATER PIPE (SHOWING SIZE)
- EXISTING STORMWATER KERB INLET PIT
- EXISTING STORMWATER SURFACE INLET PIT
- EXISTING STORMWATER RAINGARDEN
- A\1 — EXISTING STORMWATER PIT NUMBER

PROPOSED

- PROPOSED BOUNDARY
- PROPOSED EASEMENT
- VEHICULAR CROSSING

NOTES

1. ROADWORKS, EARTHWORKS, STORMWATER AND CREEK WORKS TO FORM PART OF THE EARLY WORKS PACKAGE. REFER TO THE EARLY WORKS PACKAGE FOR DETAILS.
2. DRIVEWAYS ARE SHOWN FOR COORDINATION PURPOSES ONLY AND ARE SUBJECT TO INDIVIDUAL LOT APPROVALS.
3. REFER DRAWING C020 FOR CIVIL DETAILS.

Issue	Description	Date
E	ISSUED FOR APPROVAL	30-01-20
D	ISSUED FOR APPROVAL	27-11-19
C	ISSUED FOR APPROVAL	22-07-19
B	ISSUED FOR APPROVAL	17-07-19
A	ISSUED FOR APPROVAL	12-07-19

Bar Scales

0 5 10 15 20m

1 : 200 @ A1 1 : 400 @ A3

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Email: info@design.meriton.com.au
Internet: http://www.meriton.com.au

Scales	1 : 200 @ A1	Drawn	GJ
		Designed	GJ
Grid	MGA	Checked	AT
Height Datum	AHD	Approved	

Project
2 MACPHERSON STREET
WARRIEWOOD
SUBDIVISION
PACKAGE

Title
SITEWORKS AND
STORMWATER
PLAN
SHEET 1

Civil Engineers and Project Managers
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Level 7, 153 Walker Street
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ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9460 8413
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info@atl.net.au

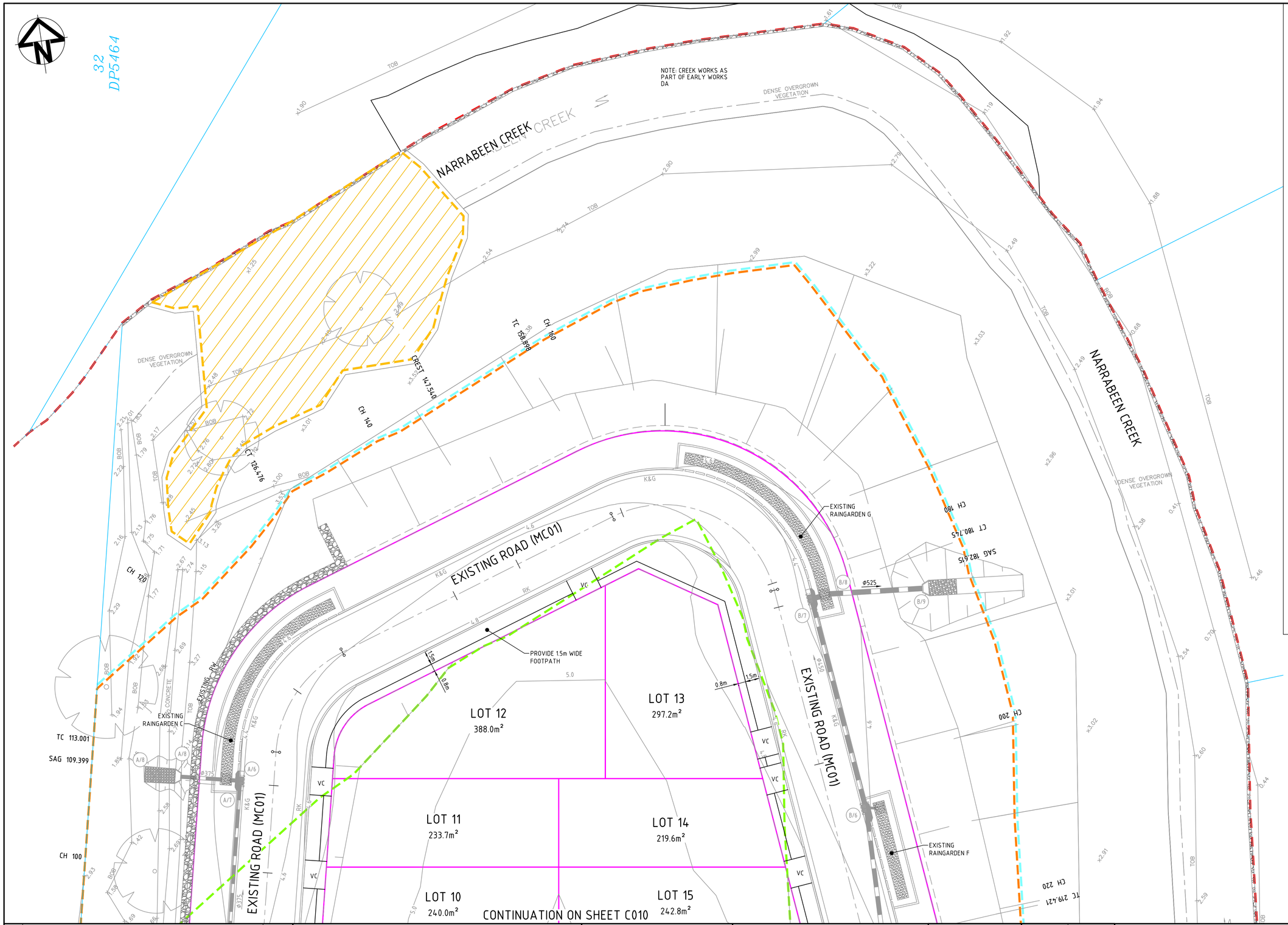
Status
FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Drawing No.	Project No.	Issue
C010	18-580	E

100mm on Original

F:\18-580 Warriewood Meriton\6.0 Drgs\Civil\Final\000 Series - Subdivision\C010.dwg



SITEWORKS LEGEND

EXISTING

- EXISTING BOUNDARY
- EXISTING CONTOUR
- EXISTING 20m ASSET PROTECTION ZONE
- EXISTING TREE
- EXISTING CREEK CENTERLINE
- EXISTING 25m RIPARIAN CORRIDOR
- EXISTING 25m PRIVATE BUFFER

WORKS INSTALLED AS PART OF DA N03981

- EXISTING BIODIVERSITY EXTENTS
- K&G — EXISTING KERB & GUTTER
- RK — EXISTING ROLL TOP KERB AND GUTTER
- EXISTING BATTER
- RRW — EXISTING ROCK RETAINING WALL
- RW — EXISTING RETAINING WALL
- 375Ø — EXISTING STORMWATER PIPE (SHOWING SIZE)
- EXISTING STORMWATER KERB INLET PIT
- EXISTING STORMWATER SURFACE INLET PIT
- EXISTING STORMWATER RAINGARDEN
- A\1 — EXISTING STORMWATER PIT NUMBER

PROPOSED

- PROPOSED BOUNDARY
- PROPOSED EASEMENT
- VEHICULAR CROSSING

NOTES

1. ROADWORKS, EARTHWORKS, STORMWATER AND CREEK WORKS TO FORM PART OF THE EARLY WORKS PACKAGE. REFER TO THE EARLY WORKS PACKAGE FOR DETAILS.
2. DRIVEWAYS ARE SHOWN FOR COORDINATION PURPOSES ONLY AND ARE SUBJECT TO INDIVIDUAL LOT APPROVALS.
3. REFER DRAWING C020 FOR CIVIL DETAILS.

Issue	Description	Date
E	ISSUED FOR APPROVAL	30-01-20
D	ISSUED FOR APPROVAL	27-11-19
C	ISSUED FOR APPROVAL	22-07-19
B	ISSUED FOR APPROVAL	17-07-19
A	ISSUED FOR APPROVAL	12-07-19

100mm on Original

Bar Scales

0 5 10 15 20m

1 : 200 @ A1 1 : 400 @ A3

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Internet: http://www.meriton.com.au

Scales	1 : 200 @ A1	Drawn	GJ
		Designed	GJ
Grid	MGA	Checked	AT
Height Datum	AHD	Approved	

Project
2 MACPHERSON STREET
WARRIEWOOD
SUBDIVISION
PACKAGE

Title
SITEWORKS AND
STORMWATER
PLAN
SHEET 2

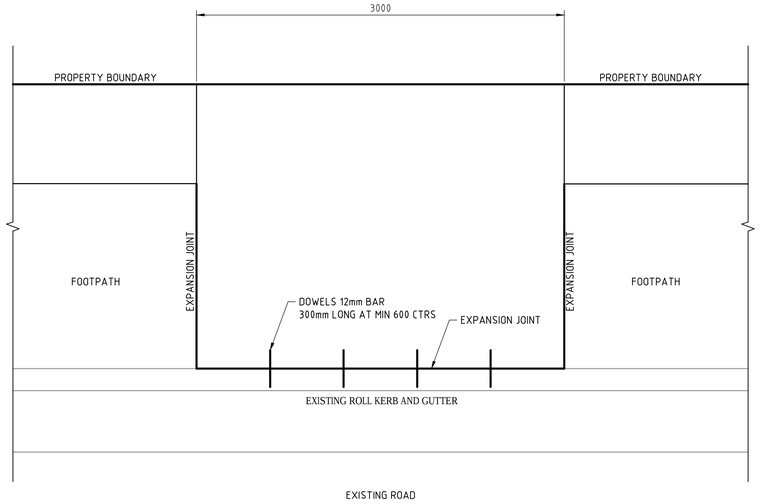
Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9460 8413
www.atl.net.au
info@atl.net.au

Status
FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

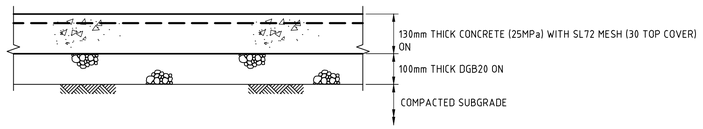
Drawing No.	Project No.	Issue
C011	18-580	E

F:\18-580 Warriewood Meriton\6.0 Drgs\Civil\Final\000 Series - Subdivision\C011.dwg



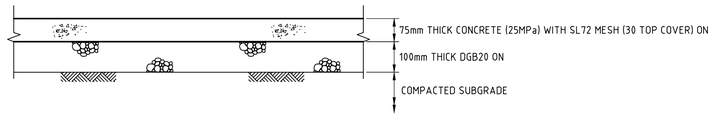
PROPOSED DRIVEWAY PLAN

NTS



PROPOSED DRIVEWAY PAVEMENT DETAIL

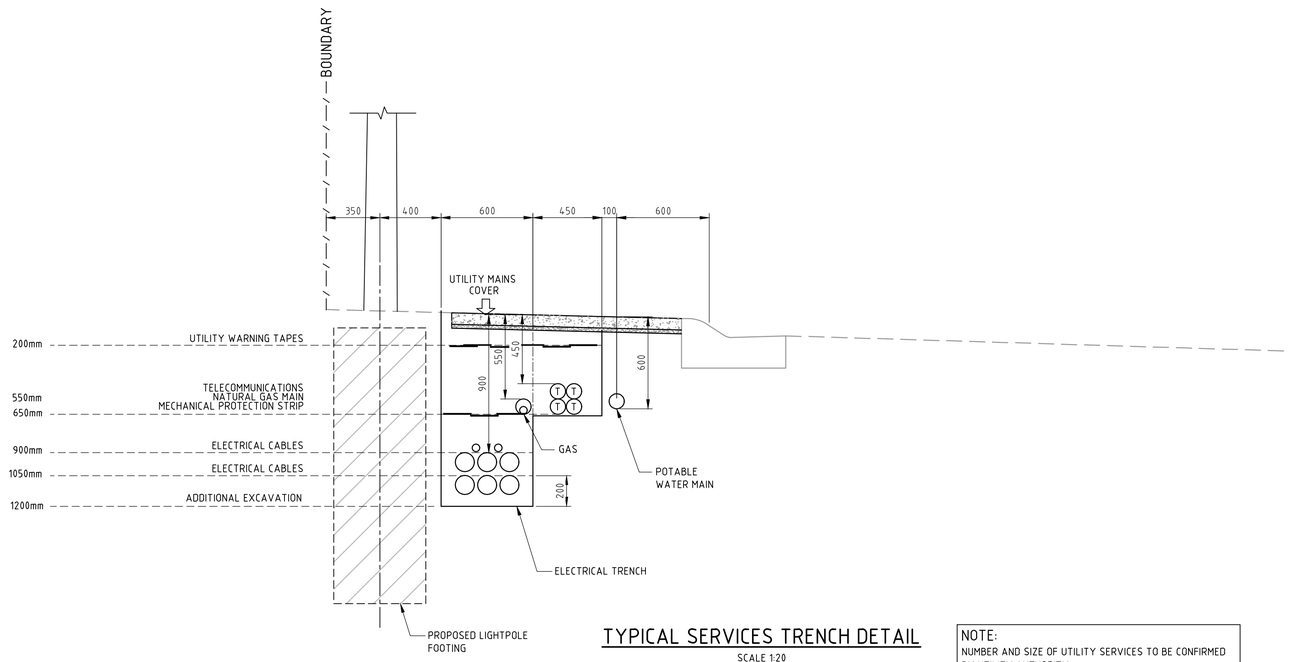
SCALE 1:10



PROPOSED FOOTPATH PAVEMENT DETAIL

SCALE 1:10

NOTE:
REFER TO DRAWING C02 FOR JOINT DETAILS



TYPICAL SERVICES TRENCH DETAIL

SCALE 1:20

NOTE:
NUMBER AND SIZE OF UTILITY SERVICES TO BE CONFIRMED BY UTILITY AUTHORITY.

Issue	Description	Date
D	ISSUED FOR APPROVAL	27-11-19
C	ISSUED FOR APPROVAL	22-07-19
B	ISSUED FOR APPROVAL	17-07-19
A	ISSUED FOR APPROVAL	12-07-19

Bar Scales

0 500 1000 1500 2000mm

1 : 20 @ A1 1 : 40 @ A3

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Client

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Internet: http://www.meriton.com.au

Scales	AS SHOWN	Drawn	GJ
		Designed	GJ
Grid	MGA	Checked	AT
Height Datum	AHD	Approved	

Project
2 MACPHERSON STREET
WARRIEWOOD
SUBDIVISION
PACKAGE

Title
SITEWORKS
DETAILS

Civil Engineers and Project Managers
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Level 7, 153 Walker Street
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www.atl.net.au
info@atl.net.au

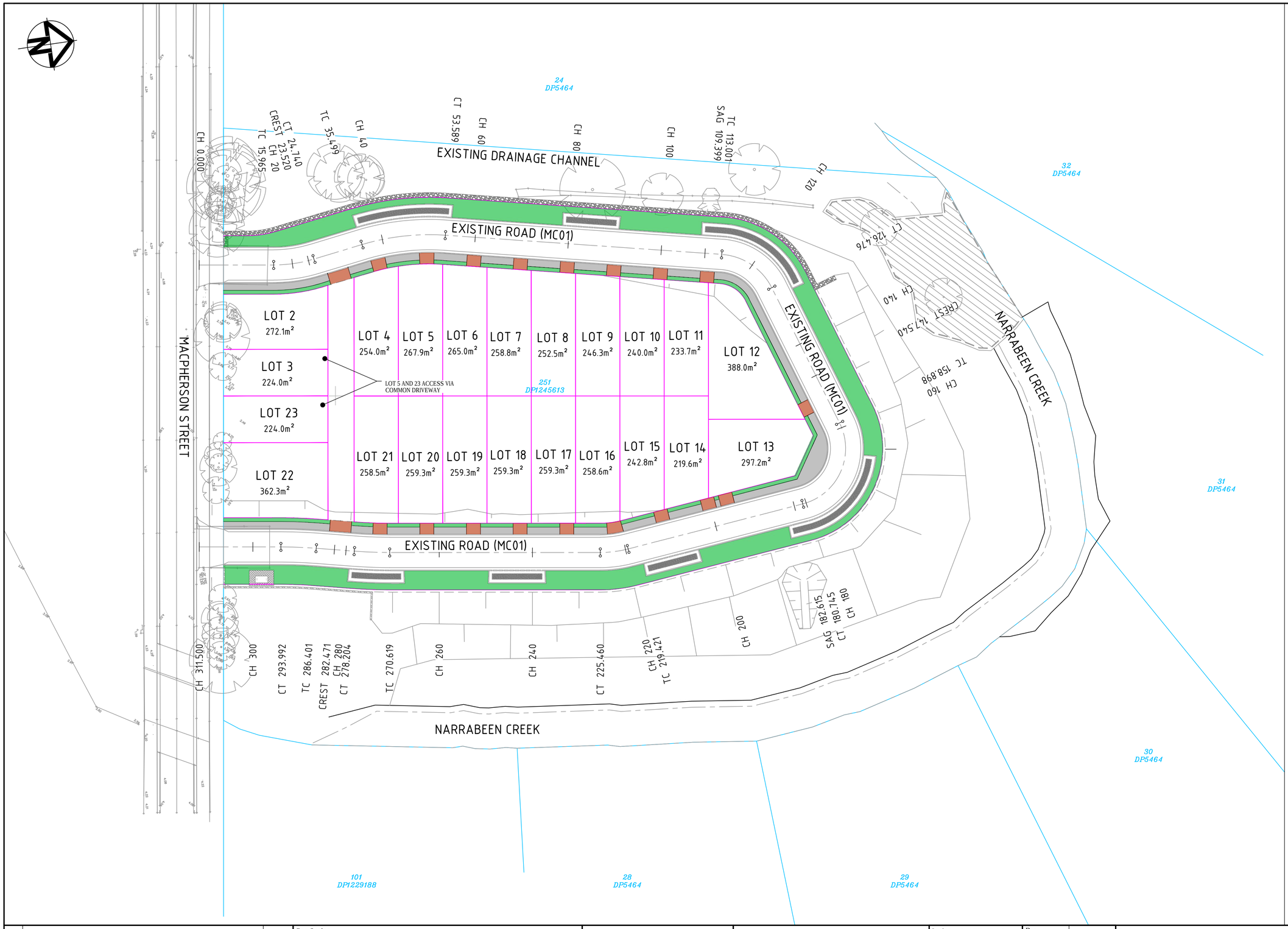
Status
FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Drawing No.	Project No.	Issue
C020	18-580	D

100mm on Original

F:\18-580 Warriewood Meriton\6.0 Drgs\Civil\Final\000 Series - Subdivision\C020.dwg



PAVEMENT LEGEND

EXISTING

- EXISTING BOUNDARY
- EXISTING CONTOUR
- EXISTING TREE

PROPOSED

- PROPOSED BOUNDARY
- FOOTPATH AS PER NORTHERN BEACHES COUNCIL GUIDELINES
- VEHICULAR CROSSOVER AS PER NORTHERN BEACHES COUNCIL GUIDELINES
- LANDSCAPING/TURF

NOTES

1. ROADWORKS, EARTHWORKS, STORMWATER AND CREEK WORKS TO FORM PART OF THE EARLY WORKS PACKAGE. REFER TO THE EARLY WORKS PACKAGE FOR DETAILS.
2. DRIVEWAYS ARE SHOWN FOR COORDINATION PURPOSES ONLY AND ARE SUBJECT TO INDIVIDUAL LOT APPROVALS.
3. VEHICULAR CROSSOVER AND FOOTPATH PAVEMENTS SHALL BE IN ACCORDANCE WITH NORTHERN BEACHES COUNCIL GUIDELINES.
4. REFER DRAWING C020 FOR CIVIL DETAILS.

Issue	Description	Date
E	ISSUED FOR APPROVAL	30-01-20
D	ISSUED FOR APPROVAL	27-11-19
C	ISSUED FOR APPROVAL	22-07-19
B	ISSUED FOR APPROVAL	17-07-19
A	ISSUED FOR APPROVAL	19-12-18

Bar Scales

0 10 20 30 40m

1 : 400 @ A1 1 : 800 @ A3

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Email: info@design.meriton.com.au
Internet: http://www.meriton.com.au

Scales	1:400 @A1	Drawn	GJ
		Designed	GJ
Grid	MGA	Checked	AT
Height Datum	AHD	Approved	

Project
2 MACPHERSON STREET
WARRIEWOOD
SUBDIVISION
PACKAGE

Title
PAVEMENT PLAN

Civil Engineers and Project Managers
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info@atl.net.au

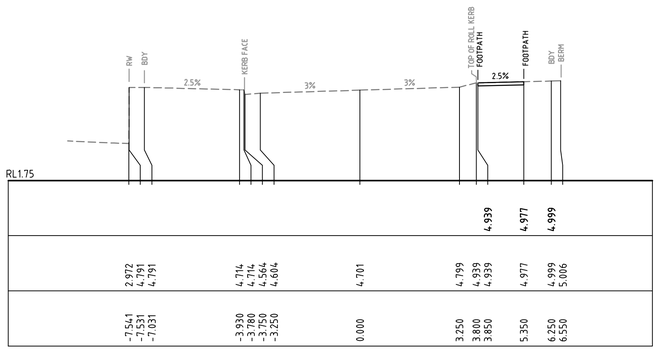
Status
FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

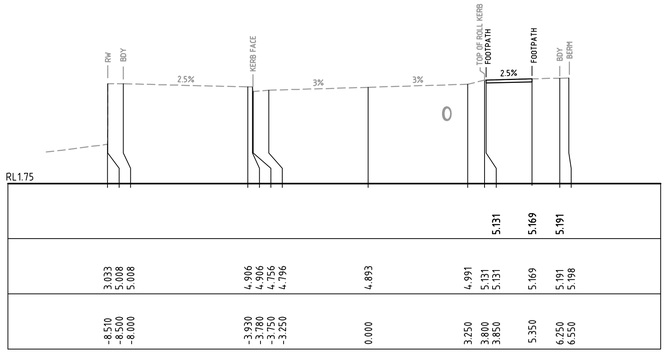
Drawing No.	Project No.	Issue
C030	18-580	E

100mm on Original

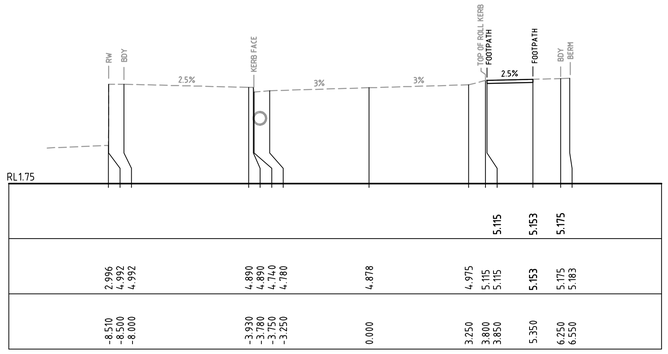
F:\18-580 Warriewood Meriton\6.0 Drgs\Civil\Final\000 Series - Subdivision\C030.dwg



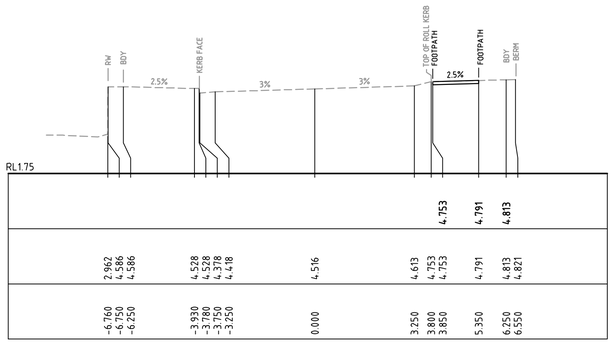
CH 15.965



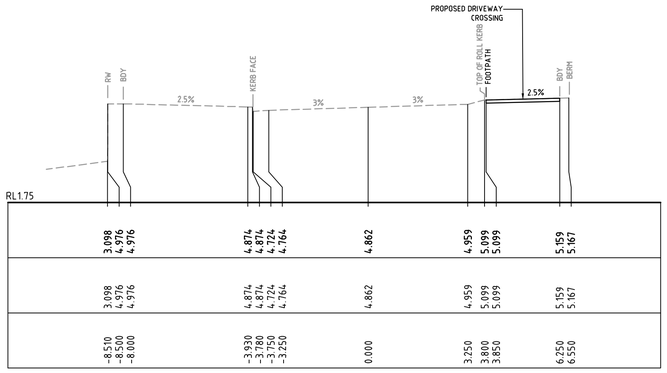
CH 30



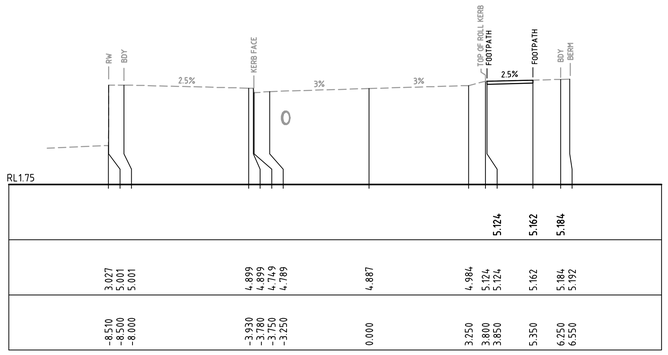
CH 35.499



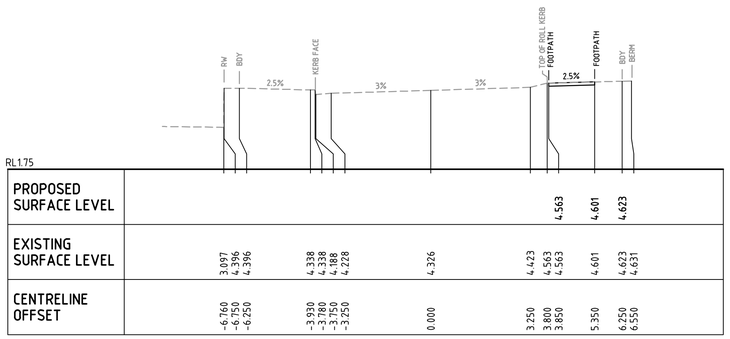
CH 10



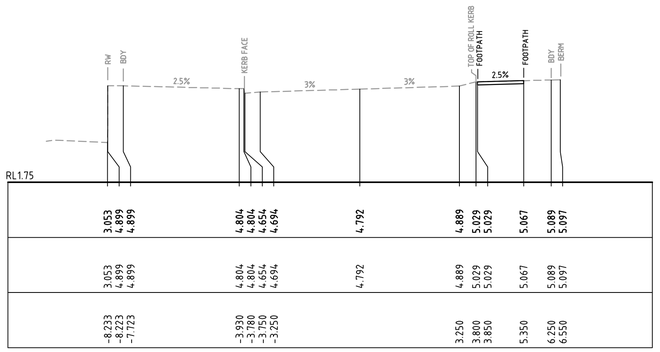
CH 24.74



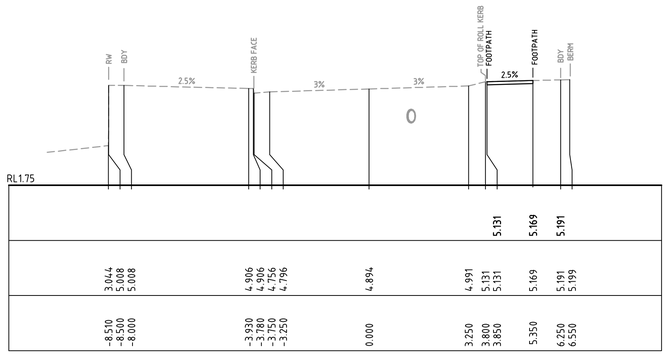
CH 33.708



CH 5.3



CH 20



CH 30.838

Issue	Description	Date
D	ISSUED FOR APPROVAL	27-11-19
C	ISSUED FOR APPROVAL	22-07-19
B	ISSUED FOR APPROVAL	17-07-19
A	ISSUED FOR APPROVAL	12-07-19

Bar Scales

0 2 4 6 8 10m

1 : 100 @ A1 1 : 200 @ A3

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Internet: http://www.meriton.com.au

Scales 1 : 100 @ A1
Grid MGA
Height Datum AHD

Drawn	GJ
Designed	GJ
Checked	AT
Approved	

Project
2 MACPHERSON STREET
WARRIEWOOD
SUBDIVISION
PACKAGE

Title
MC01
CROSS SECTIONS
SHEET 1

Civil Engineers and Project Managers
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North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
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www.atl.net.au
info@atl.net.au

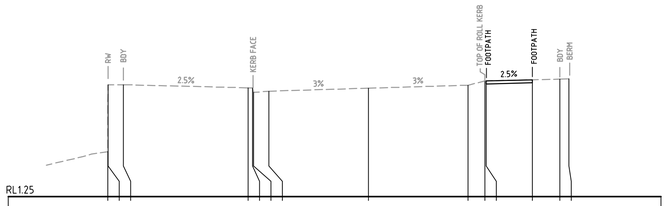
Status
FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

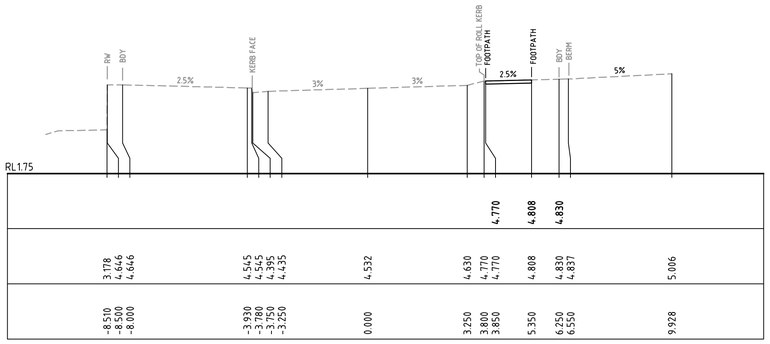
Drawing No.	Project No.	Issue
C050	18-580	D

100mm on Original

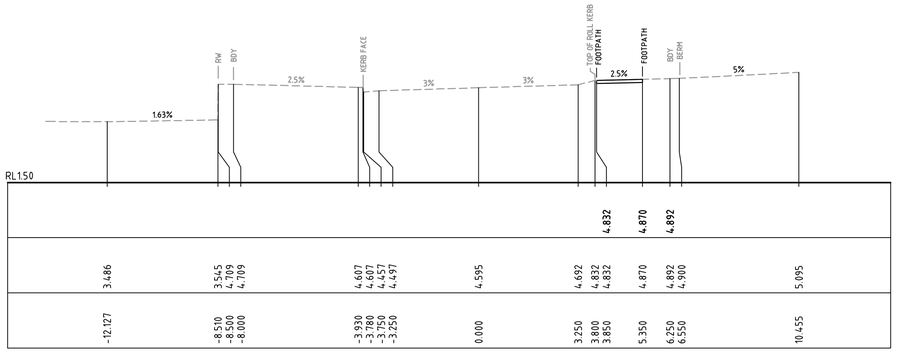
F:\18-580 Warriewood Meriton\6.0 Drgs\Civil\Final\000 Series - Subdivision\C050.dwg


RW
BDY
2.5%
KERB FACE
3%
3%
TOP OF ROLL KERB
FOOTPATH
2.5%
FOOTPATH
BDY
BERM

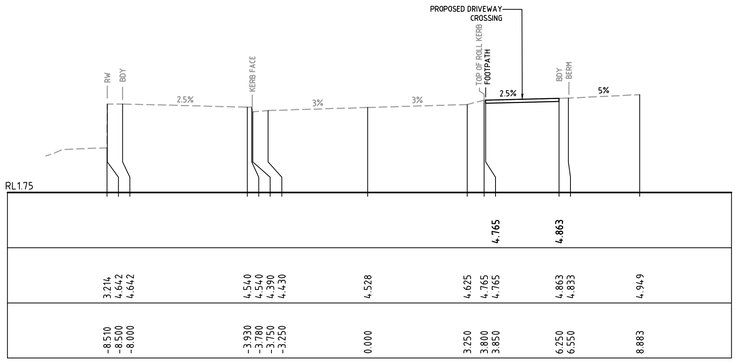
| | | |



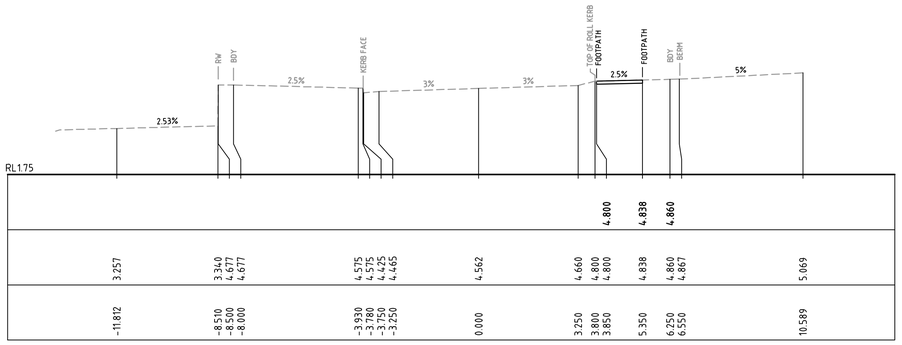
CH 113.001



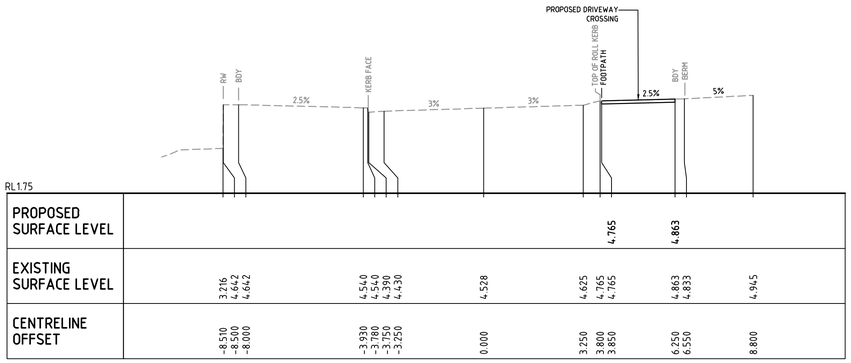
CH 126.476



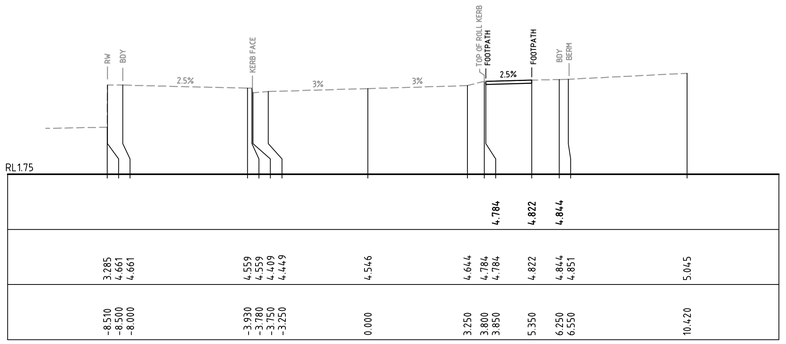
CH 110



CH 120



CH 109.288



CH 116.788

Issue	Description	Date
D	ISSUED FOR APPROVAL	27-11-19
C	ISSUED FOR APPROVAL	22-07-19
B	ISSUED FOR APPROVAL	17-07-19
A	ISSUED FOR APPROVAL	12-07-19

Bar Scales

0 2 4 6 8 10m

1 : 100 @ A1 1 : 200 @ A3

THIS DRAWING CANNOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY OTHER PURPOSE OTHER THAN THAT ORIGINALLY INTENDED WITHOUT THE WRITTEN PERMISSION OF AT&L

Client
KARIMBLA
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Tel: (02) 9287 2888 Fax: (02) 9287 2777
Email: info@design.meriton.com.au
Internet: http://www.meriton.com.au

Scales 1 : 100 @ A1
Grid MGA
Height Datum AHD

Drawn	GJ
Designed	GJ
Checked	AT
Approved	

Project
2 MACPHERSON STREET
WARRIEWOOD
SUBDIVISION
PACKAGE

Title
MC01
CROSS SECTIONS
SHEET 3

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9460 8413
www.atl.net.au
info@atl.net.au

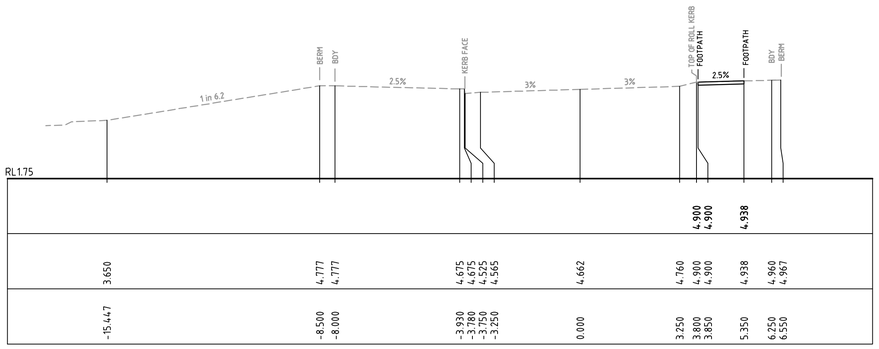
Status
FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

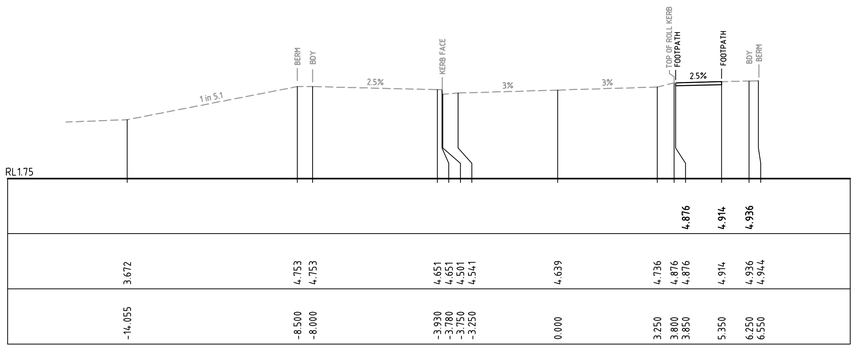
Drawing No.	Project No.	Issue
C052	18-580	D

100mm on Original

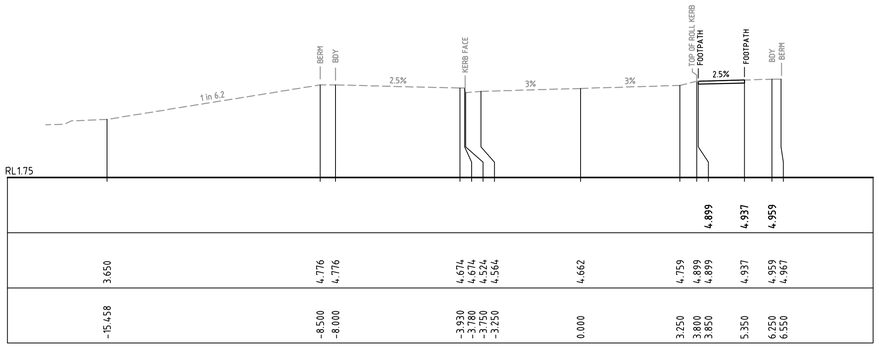
F:\18-580 Warriewood Meriton\6.0 Drgs\Civil\Final\000 Series - Subdivision\C052.dwg



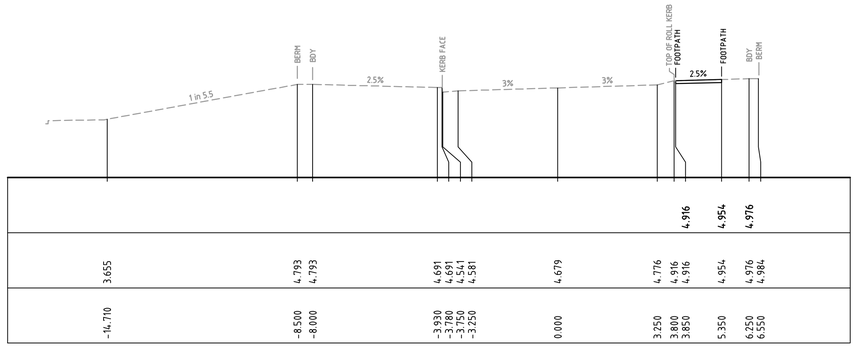
CH 140



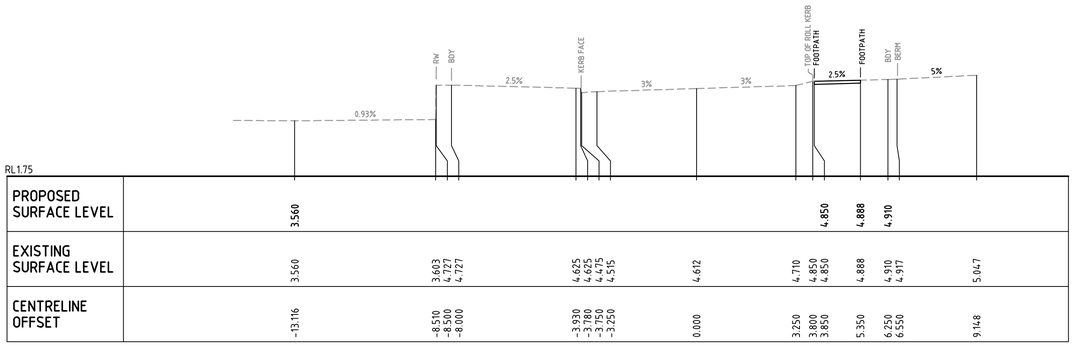
CH 158.898



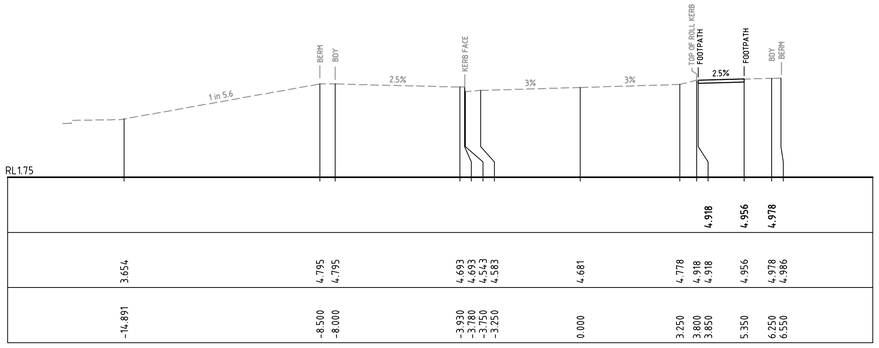
CH 139.848



CH 150



CH 130



CH 147.54

Issue	Description	Date
D	ISSUED FOR APPROVAL	27-11-19
C	ISSUED FOR APPROVAL	22-07-19
B	ISSUED FOR APPROVAL	17-07-19
A	ISSUED FOR APPROVAL	12-07-19

Bar Scales

0 2 4 6 8 10m

1 : 100 @ A1 1 : 200 @ A3

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Internet: http://www.meriton.com.au

Scales 1 : 100 @ A1

Grid	MGA	Drawn	GJ
Height Datum	AHD	Designed	GJ
		Checked	AT
		Approved	

Project
2 MACPHERSON STREET
WARRIEWOOD
SUBDIVISION
PACKAGE

Title
MC01
CROSS SECTIONS
SHEET 4

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9460 8413
www.atl.net.au
info@atl.net.au

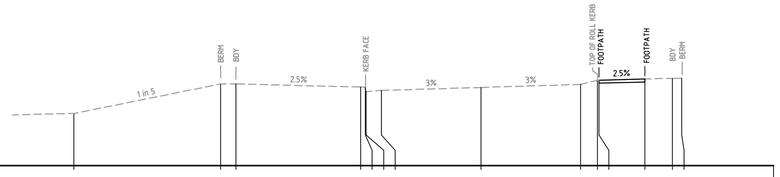
Status
FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

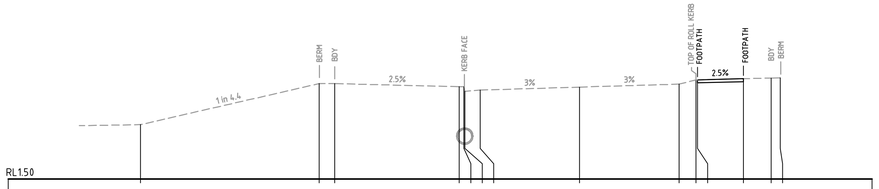
A1

Drawing No.	Project No.	Issue
C053	18-580	D

100mm on Original

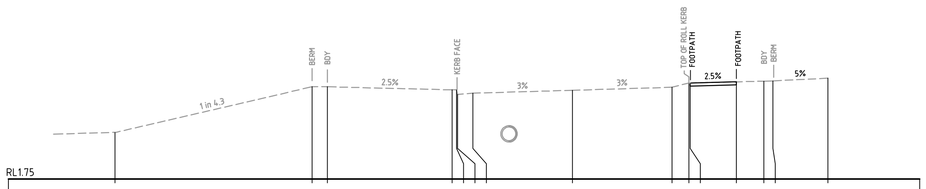
F:\18-580 Warriewood Meriton\6.0 Drgs\Civil\Final\000 Series - Subdivision\C053.dwg


1 in 5
BERM
BDY
2.5%
KERB FACE
3%
3%
TOP OF ROLL KERB
FOOTPATH
2.5%
FOOTPATH
BDY
BERM



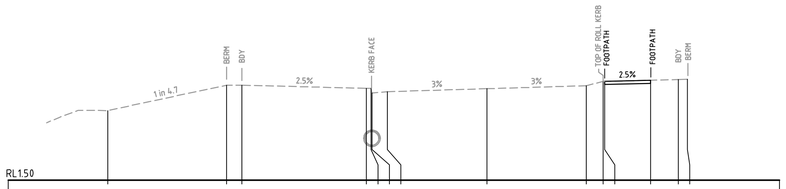
														4.739	4.777	4.799	
3.276	4.616	4.616	4.514	4.514	4.364	4.404	4.501	4.599	4.739	4.739	4.777	4.799	4.886				
-14.337	-8.500	-8.000	-3.930	-3.780	-3.750	-3.250	0.000	3.250	3.800	3.850	5.350	6.250	6.550				

CH 190



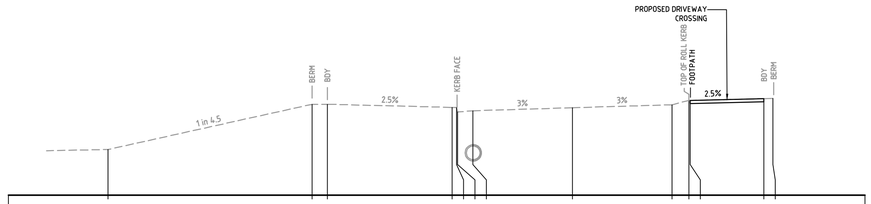
														4.886	4.924	4.946	
3.268	4.763	4.763	4.661	4.645	4.511	4.551	4.649	4.746	4.886	4.886	4.924	4.946	4.954				5.043
-14.936	-8.500	-8.000	-3.930	-3.780	-3.750	-3.250	0.000	3.250	3.800	3.850	5.350	6.250	6.550				8.342

CH 219.421



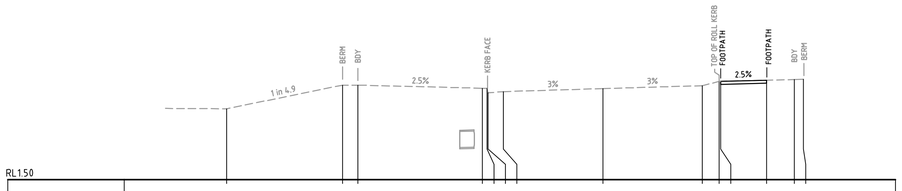
														4.721	4.759	4.781	
3.771	4.598	4.598	4.496	4.496	4.346	4.386	4.484	4.581	4.721	4.721	4.759	4.781	4.789				
-12.376	-8.500	-8.000	-3.930	-3.780	-3.750	-3.250	0.000	3.250	3.800	3.850	5.350	6.250	6.550				

CH 186.461



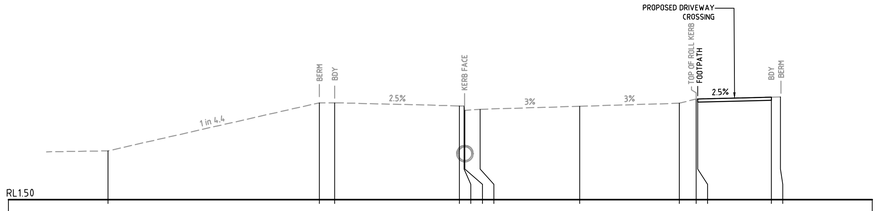
														4.839	4.877	4.899	
3.238	4.716	4.716	4.614	4.645	4.464	4.504	4.601	4.699	4.839	4.839	4.877	4.899	4.906				
-15.164	-8.500	-8.000	-3.930	-3.780	-3.750	-3.250	0.000	3.250	3.800	3.850	5.350	6.250	6.550				

CH 210



PROPOSED SURFACE LEVEL														4.712	4.750	4.772	
EXISTING SURFACE LEVEL	3.816	4.588	4.588	4.487	4.487	4.397	4.377	4.474	4.572	4.712	4.712	4.750	4.772	4.779			
CENTRELINE OFFSET	-12.282	-8.500	-8.000	-3.930	-3.780	-3.750	-3.250	0.000	3.250	3.800	3.850	5.350	6.250	6.550			

CH 182.615



														4.789	4.849		
3.096	4.666	4.666	4.564	4.564	4.414	4.454	4.551	4.649	4.789	4.789	4.849	4.856					
-15.406	-8.500	-8.000	-3.930	-3.780	-3.750	-3.250	0.000	3.250	3.800	3.850	6.250	6.550					

CH 200

Issue	Description	Date
D	ISSUED FOR APPROVAL	27-11-19
C	ISSUED FOR APPROVAL	22-07-19
B	ISSUED FOR APPROVAL	17-07-19
A	ISSUED FOR APPROVAL	12-07-19

Bar Scales

0 2 4 6 8 10m

1 : 100 @ A1 1 : 200 @ A3

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Internet: http://www.meriton.com.au

Scales	1 : 100 @ A1	Drawn	GJ
		Designed	GJ
Grid	MGA	Checked	AT
Height Datum	AHD	Approved	

Project
2 MACPHERSON STREET
WARRIEWOOD
SUBDIVISION
PACKAGE

Title
MC01
CROSS SECTIONS
SHEET 6

Civil Engineers and Project Managers
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www.atl.net.au
info@atl.net.au

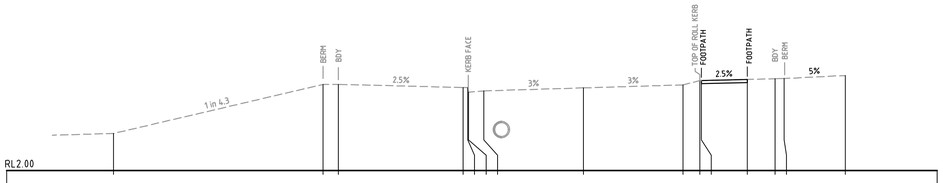
Status
FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

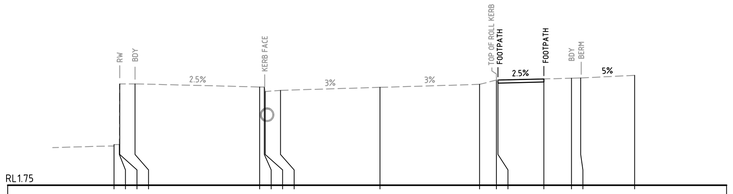
A1

Drawing No.	Project No.	Issue
C055	18-580	D

100mm on Original

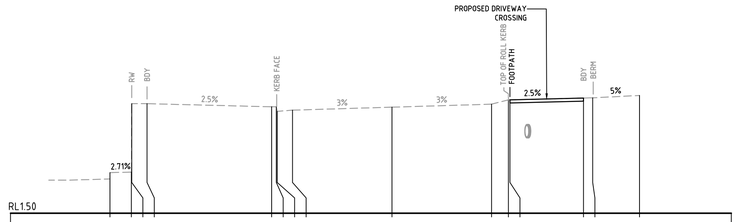
F:\18-580 Warriewood Meriton\6.0 Drgs\Civil\Final\000 Series - Subdivision\C055.dwg


1 in 4.3
BERM
BDY
2.5%
KERB FACE
3%
3%
TOP OF ROLL KERB
FOOTPATH
2.5%
FOOTPATH
BDY
BERM
5%
RL2.00



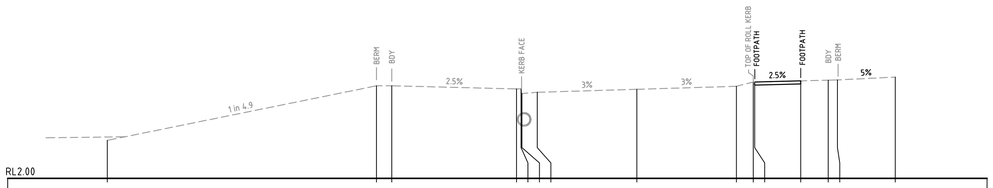
						5.180	5.218	5.240	
3.073	4.955	4.942	5.040	5.218	5.240				5.336
3.079	4.955		5.180		5.247				
5.057	4.805		5.180						
5.057	4.845		5.180						
-8.685	-3.930	0.000	3.250	5.350	6.250				8.314
-8.510	-3.780		3.800		6.550				
-8.500	-3.750		3.850						
-8.000	-3.250								

CH 278.204



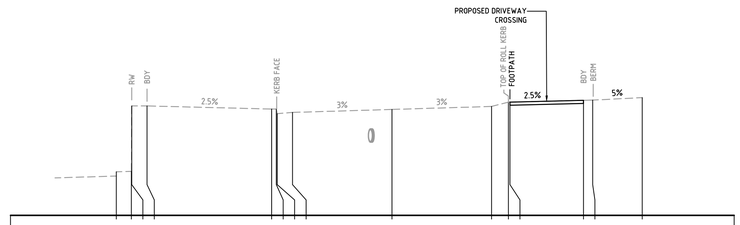
						5.197	5.257		
2.822	4.972	4.960	5.057		5.257				5.341
2.841	4.972		5.197		5.265				
5.074	4.822		5.197						
5.074	4.862		5.197						
-9.207	-3.930	0.000	3.250		6.250				8.078
-8.510	-3.780		3.800		6.550				
-8.500	-3.750		3.850						
-8.000	-3.250								

CH 282.471



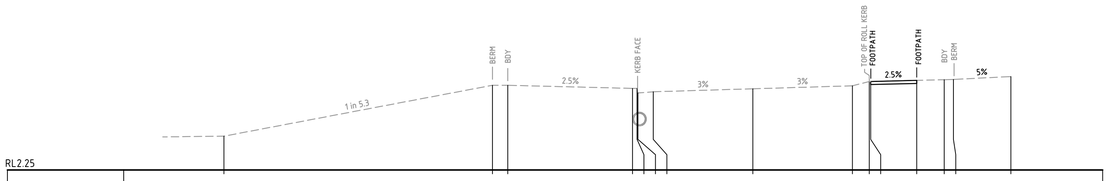
						5.142	5.180	5.202	
3.238	5.019	4.917	4.905	5.002	5.180	5.202	5.304		
	5.019	4.917		5.142		5.210			
		4.767		5.142					
		4.807		5.142					
-17.290	-8.500	-3.930	0.000	3.250	5.350	6.250	8.435		
	-8.000	-3.780		3.800		6.550			
		-3.750		3.850					
		-3.250							

CH 270.619



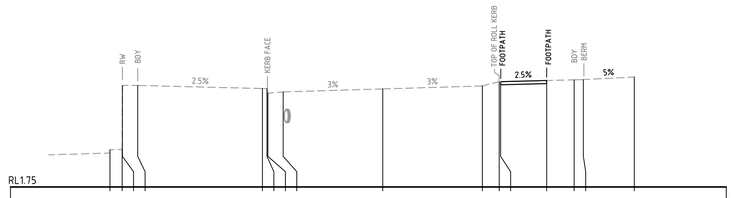
						5.193	5.253		
2.921	4.968	4.955	5.053		5.253				5.341
2.934	4.968		5.193		5.260				
5.070	4.818		5.193						
5.070	4.858		5.193						
-9.003	-3.930	0.000	3.250		6.250				8.170
-8.510	-3.780		3.800		6.550				
-8.500	-3.750		3.850						
-8.000	-3.250								

CH 280.799



PROPOSED SURFACE LEVEL						5.139	5.177	5.199	
EXISTING SURFACE LEVEL	3.356	5.016	4.914	4.901	4.999	5.177	5.199	5.300	
		5.016	4.914		5.139		5.206		
			4.764		5.139				
			4.804		5.139				
CENTRELINE OFFSET	-17.266	-8.500	-3.930	0.000	3.250	5.350	6.250	8.422	
		-8.000	-3.780		3.800		6.550		
			-3.750		3.850				
			-3.250						

CH 270



PROPOSED SURFACE LEVEL						5.189	5.227	5.249	
EXISTING SURFACE LEVEL	2.968	4.964	4.951	5.049	5.227	5.249	5.340		
	2.978	4.964		5.189		5.256			
	5.066	4.814		5.189					
	5.066	4.854		5.189					
CENTRELINE OFFSET	-8.905	-3.930	0.000	3.250	5.350	6.250	8.215		
	-8.510	-3.780		3.800		6.550			
	-8.500	-3.750		3.850					
	-8.000	-3.250							

CH 280

Issue	Description	Date
B	ISSUED FOR APPROVAL	30-01-20
A	ISSUED FOR APPROVAL	27-11-19

100mm on Original

Bar Scales

0 2 4 6 8 10m

1 : 100 @ A1 1 : 200 @ A3

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Scales	1 : 100 @ A1	Drawn	GJ
		Designed	GJ
Grid	MGA	Checked	AT
Height Datum	AHD	Approved	

Project
2 MACPHERSON STREET
WARRIEWOOD
SUBDIVISION
PACKAGE

Title
MC01
CROSS SECTIONS
SHEET 8

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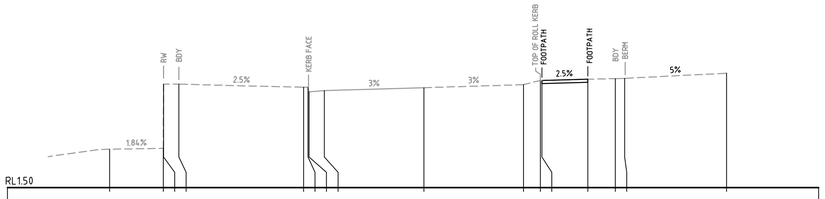
info@atl.net.au

Status
FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

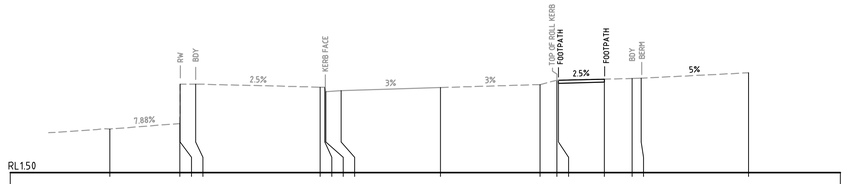
Drawing No.	Project No.	Issue
C057	18-580	B

F:\18-580 Warriewood Meriton\6.0 Drgs\Civil\Final\000 Series - Subdivision\C057.dwg



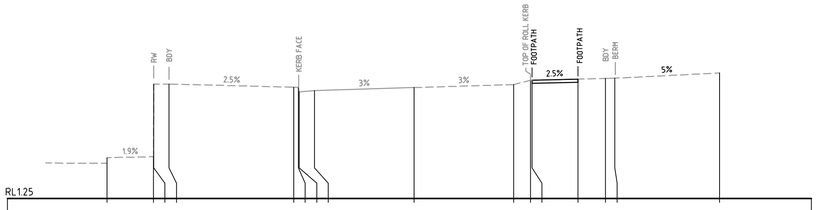
																				4.999	5.037	5.059	
2.750	2.783	4.875	4.875	4.774	4.774	4.624	4.664	4.761	4.859	4.999	4.999	5.037	5.059	5.066	5.233
-10.264	-8.510	-8.500	-8.000	-3.930	-3.780	-3.750	-3.250	0.000	3.250	3.800	3.850	5.350	6.250	6.550	9.883

CH 293.992



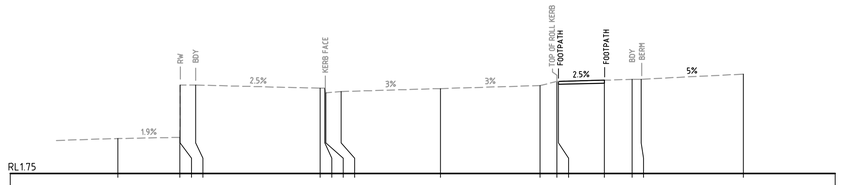
										4.513	4.551	4.573			
2.921	3.102	4.390	4.390	4.288	4.288	4.138	4.178	4.276	4.373	4.513	4.513	4.551	4.573	4.581	4.756
-10.800	-8.510	-8.500	-8.000	-3.930	-3.780	-3.750	-3.250	0.000	3.250	3.800	3.850	5.350	6.250	6.550	10.050

CH 306.285



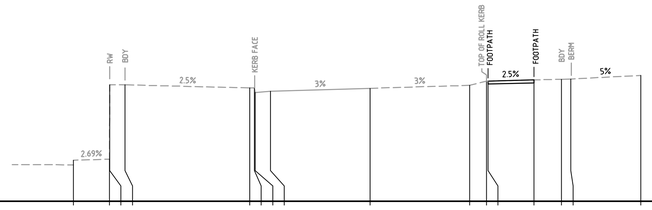
										5.112	5.150	5.172			
2.587	2.616	4.989	4.989	4.887	4.887	4.737	4.777	4.875	4.972	5.112	5.112	5.150	5.172	5.180	5.351
-10.027	-8.510	-8.500	-8.000	-3.930	-3.780	-3.750	-3.250	0.000	3.250	3.800	3.850	5.350	6.250	6.550	9.971

CH 290



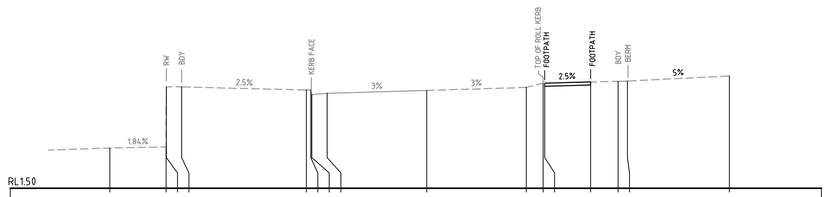
										4.764	4.802	4.824			
2.895	2.934	4.641	4.641	4.539	4.539	4.389	4.429	4.526	4.624	4.764	4.764	4.802	4.824	4.831	4.998
-10.540	-8.510	-8.500	-8.000	-3.930	-3.780	-3.750	-3.250	0.000	3.250	3.800	3.850	5.350	6.250	6.550	9.883

CH 300



PROPOSED SURFACE LEVEL										5.174	5.212	5.234			
EXISTING SURFACE LEVEL	2.591	2.622	5.051	5.051	4.949	4.949	4.799	4.839	4.937	5.034	5.174	5.174	5.212	5.234	5.242	5.356
CENTRELINE OFFSET	-9.689	-8.510	-8.500	-8.000	-3.930	-3.780	-3.750	-3.250	0.000	3.250	3.800	3.850	5.350	6.250	6.550	8.834

CH 286.401



										4.931	4.969	4.991			
2.814	2.848	4.808	4.808	4.706	4.706	4.556	4.596	4.694	4.791	4.931	4.931	4.969	4.991	4.999	5.166
-10.347	-8.510	-8.500	-8.000	-3.930	-3.780	-3.750	-3.250	0.000	3.250	3.800	3.850	5.350	6.250	6.550	9.883

CH 295.799

Issue	Description	Date
A	ISSUED FOR APPROVAL	27-11-19

Bar Scales

0 2 4 6 8 10m

1 : 100 @ A1 1 : 200 @ A3

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Client
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Tel: (02) 9287 2888 Fax: (02) 9287 2777
Email: info@design.meriton.com.au
Internet: http://www.meriton.com.au

Scales	1 : 100 @ A1	Drawn	GJ
		Designed	GJ
Grid	MGA	Checked	AT
Height Datum	AHD	Approved	

Project
2 MACPHERSON STREET
WARRIEWOOD
SUBDIVISION
PACKAGE

Title
MC01
CROSS SECTIONS
SHEET 9

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9460 8413
www.atl.net.au
info@atl.net.au

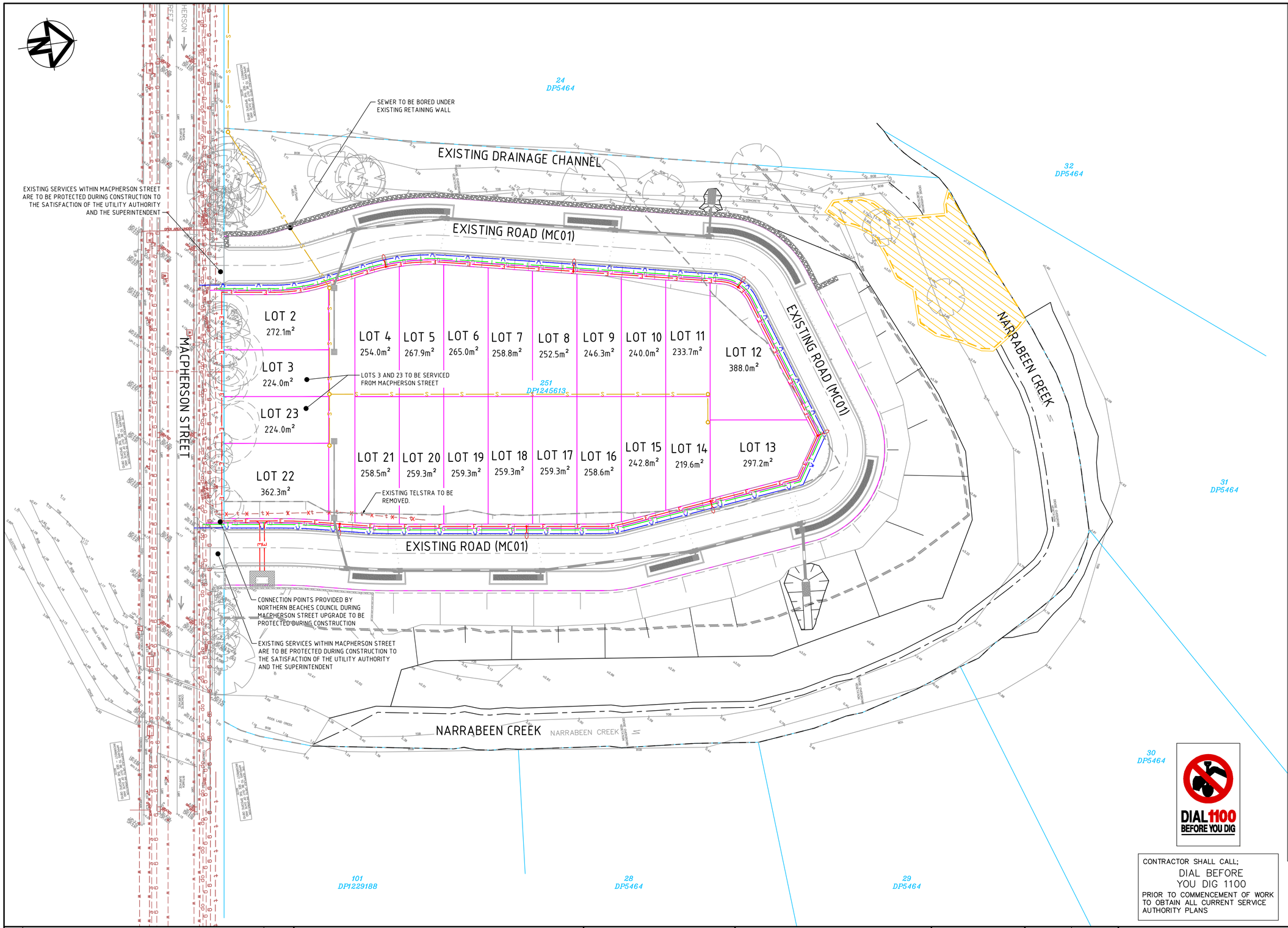
Status
FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Drawing No.	Project No.	Issue
C058	18-580	A

100mm on Original

F:\18-580 Warriewood Meriton\6.0 Drgs\Civil\Final\000 Series - Subdivision\C058.dwg



SERVICES LEGEND

EXISTING

- EXISTING BOUNDARY
- EXISTING TREE
- ELECTRICITY
- ELECTRICITY OVERHEAD
- TELSTRA CONDUITS
- NBN SERVICE
- SEWER SERVICE
- WATER SERVICE
- GAS SERVICE
- STORMWATER
- WATER HYDRANT
- WATER STOP VALVE
- SEWER MANHOLE
- POWER POLE
- TELSTRA PIT
- EXISTING POWER POLE
- EXISTING BIODIVERSITY EXTENTS
- K&G — EXISTING KERB & GUTTER
- RK — EXISTING ROLL TOP KERB AND GUTTER
- EXISTING BATTER
- RRW — EXISTING ROCK RETAINING WALL
- RW — EXISTING RETAINING WALL
- 375Ø — EXISTING STORMWATER PIPE (SHOWING SIZE)
- EXISTING STORMWATER KERB INLET PIT
- EXISTING STORMWATER SURFACE INLET PIT
- EXISTING STORMWATER RAINGARDEN

PROPOSED

- PROPOSED BOUNDARY
- PROPOSED EASEMENT
- ELECTRICAL SERVICE
- LIGHTING SERVICE
- SEWER SERVICE
- SEWER MANHOLE
- WATER SERVICE
- GAS SERVICE
- COMMUNICATIONS SERVICE

NOTES

1. ROADWORKS, EARTHWORKS, STORMWATER AND CREEK WORKS TO FORM PART OF THE EARLY WORKS PACKAGE. REFER TO THE EARLY WORKS PACKAGE FOR DETAILS.
2. DRIVEWAYS ARE SHOWN FOR COORDINATION PURPOSES ONLY AND ARE SUBJECT TO INDIVIDUAL LOT APPROVALS.
3. SERVICE ALIGNMENTS AND CONNECTION DETAILS ARE SUBJECT TO INDIVIDUAL UTILITIES AND LOT APPROVAL SHOULD BE CONSIDERED INDICATIVE ONLY.
4. REFER DRAWING C020 FOR CIVIL DETAILS.
5. SEWER AND WATER DESIGN TO BE CONFIRMED BY A SYDNEY WATER ACCREDITED WSC.
6. ELECTRICAL AND NBN DESIGN TO BE CONFIRMED BY A LEVEL 3 ELECTRICAL DESIGNER
7. GAS RETICULATION DESIGN TO BE PROVIDED BY JEMENA

DIAL 1100 BEFORE YOU DIG

CONTRACTOR SHALL CALL;
DIAL BEFORE YOU DIG 1100
PRIOR TO COMMENCEMENT OF WORK TO OBTAIN ALL CURRENT SERVICE AUTHORITY PLANS

Issue	Description	Date
E	ISSUED FOR APPROVAL	30-01-20
D	ISSUED FOR APPROVAL	27-11-19
C	ISSUED FOR APPROVAL	22-07-19
B	ISSUED FOR APPROVAL	17-07-19
A	ISSUED FOR APPROVAL	12-07-19

Bar Scales

0 10 20 30 40m

1 : 400 @ A1 1 : 800 @ A3

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Email: info@design.meriton.com.au
Internet: http://www.meriton.com.au

Scales	1 : 400 @ A1	Drawn	GJ
		Designed	GJ
Grid	MGA	Checked	AT
Height Datum	AHD	Approved	

Project
2 MACPHERSON STREET
WARRIEWOOD
SUBDIVISION
PACKAGE

Title
SERVICES AND UTILITIES COORDINATION PLAN

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9460 8413
www.atl.net.au
info@atl.net.au

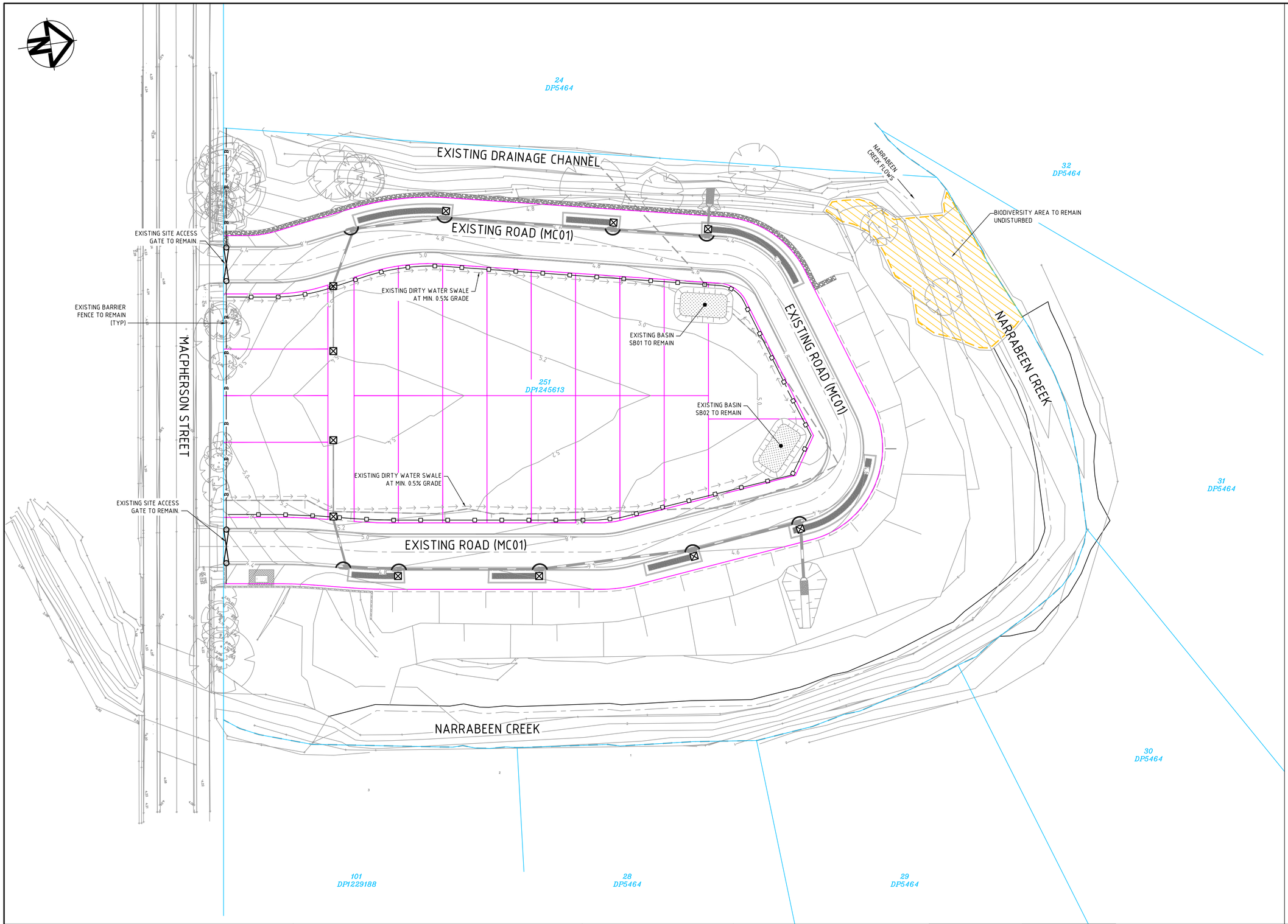
Status
FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Drawing No.	Project No.	Issue
C070	18-580	E

100mm on Original

F:\18-580 Warriewood Meriton\6.0 Drgs\Civil\Final\000 Series - Subdivision\C070.dwg



ESC LEGEND

EXISTING

- EXISTING BOUNDARY
- EXISTING CONTOUR
- EXISTING TREE
- EXISTING BIODIVERSITY EXTENTS
- EXISTING SEDIMENT FENCE (SD 6-8)
- EXISTING CATCH DRAIN
- EXISTING BARRIER FENCE
- MESH AND GRAVEL INLET FILTER (SD 6-11)
- GEOTEXTILE INLET (SD 6-12)
- EXISTING SITE ACCESS GATE
- EXISTING SEDIMENT BASIN
- EXSITING STORMWATER PIPE

PROPOSED

- PROPOSED BOUNDARY

NOTES

1. ROADWORKS, EARTHWORKS, STORMWATER AND CREEK WORKS TO FORM PART OF THE EARLY WORKS PACKAGE. REFER TO THE EARLY WORKS PACKAGE FOR DETAILS.
2. DRIVEWAYS ARE SHOWN FOR COORDINATION PURPOSES ONLY AND ARE SUBJECT TO INDIVIDUAL LOT APPROVALS.
3. EROSION AND SEDIMENT CONTROLS TO SUIT CONSTRUCTION STAGING OF FUTURE ON-LOT WORKS.

Issue	Description	Date
E	ISSUED FOR APPROVAL	30-01-20
D	ISSUED FOR APPROVAL	27-11-19
C	ISSUED FOR APPROVAL	22-07-19
B	ISSUED FOR APPROVAL	17-07-19
A	ISSUED FOR APPROVAL	12-07-19

Bar Scales

0 10 20 30 40m

1 : 400 @ A1 1 : 800 @ A3

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Internet: http://www.meriton.com.au

Scales	1 : 400 @ A1	Drawn	GJ
		Designed	GJ
Grid	MGA	Checked	AT
Height Datum	AHD	Approved	

Project
2 MACPHERSON STREET
WARRIEWOOD
SUBDIVISION
PACKAGE

Title
SEDIMENTATION
AND EROSION
CONTROL
PLAN

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9460 8413
www.atl.net.au
info@atl.net.au

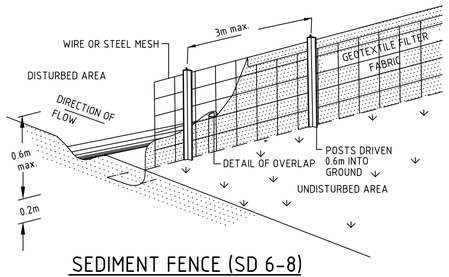
Status
FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Drawing No.	Project No.	Issue
C080	18-580	E

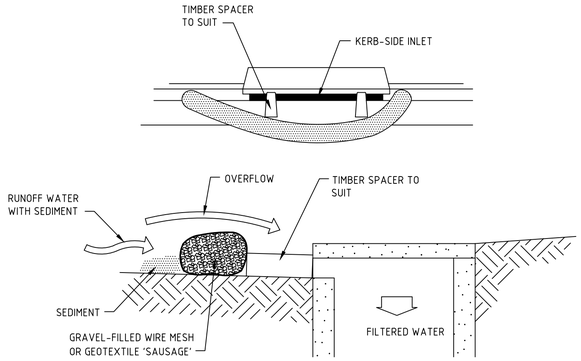
100mm on Original

F:\18-580 Warriewood Meriton\6.0 Drgs\Civil\Final\000 Series - Subdivision\C080.dwg



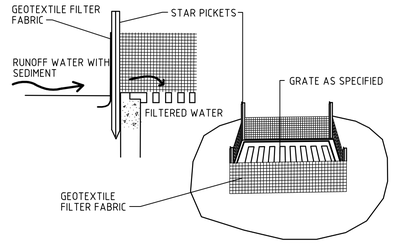
SEDIMENT FENCE (SD 6-8)

NTS



MESH AND GRAVEL INLET FILTER (SD 6-11)

NTS



GEOTEXTILE FILTER PIT SURROUND (SD 6-12)

NTS

Issue	Description	Date
C	ISSUED FOR APPROVAL	22-07-19
B	ISSUED FOR APPROVAL	17-07-19
A	ISSUED FOR APPROVAL	12-07-19

100mm on Original

Bar Scales

0 1 2 3 4 5m

1 : 50 @ A1 1 : 100 @ A3

0 1.5 3 4.5 6 7.5m

1 : 75 @ A1 1 : 150 @ A3

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Client

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Email: info@design.meriton.com.au
Internet: http://www.meriton.com.au

Scales	AS SHOWN	Drawn	GJ
		Designed	GJ
Grid	MGA	Checked	AT
Height Datum	AHD	Approved	

Project
2 MACPHERSON STREET
WARRIEWOOD
SUBDIVISION
PACKAGE

Title
SEDIMENTATION AND EROSION CONTROL DETAILS

Civil Engineers and Project Managers

at&l

Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9460 8413
www.atl.net.au
info@atl.net.au

Status
FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Drawing No.	Project No.	Issue
C081	18-580	C

F:\18-580 Warriewood Meriton\6.0 Drgs\Civil\Final\000 Series - Subdivision\C081.dwg

SITE DATA

Site area	Site 1	Site 2					Remarks
Total catchment area (ha)	0.29	0.32					
Disturbed catchment area (ha)	0.29	0.32					
Soil analysis							
% sand (fraction 0.02 to 2.00 mm							Soil texture should be assessed through
% silt (fraction 0.002 to 0.02 mm)							mechanical dispersion only. Dispersing
% clay (fraction finer than 0.002 mm)							agents (e.g. Calgon) should not be used
Dispersion percentage							E.g. enter 10 for dispersion of 10%
% of whole soil dispersible							See Section 6.3.3(e)
Soil Texture Group							See Section 6.3.3(c), (d) and (e)
Rainfall data							
Design rainfall depth (days)	5	5					See Sections 6.3.4 (d) and (e)
Design rainfall depth (percentile)	85	85					See Sections 6.3.4 (f) and (g)
x-day, y-percentile rainfall event	44	44					See Section 6.3.4 (h)
Rainfall intensity: 2-year, 6-hour storm	13.5	13.5					See IFD chart for the site
RUSLE Factors							
Rainfall erosivity (*R*-factor)	3960	3960					Automatic calculation from above data
Soil erodibility (*K*-factor)	0.007	0.007					RUSLE data can be obtained from Appendixes A, B and C
Slope length (m)	80	80					
Slope gradient (%)	5	5					
Length/gradient (*LS*-factor)	1.19	1.19					
Erosion control practice (*P*-factor)	1.2	1.2					
Ground cover (*C*-factor)	1	1					
Calculations							
Soil loss (t/ha/yr)	40	40					
Soil Loss Class	1	1					See Section 4.4.2(b)
Soil loss (m^3/ha/yr)	30	30					
Sediment basin storage volume, m^3	2	2					See Sections 6.3.4(i) and 6.3.5 (e)

PEAK FLOW CALCULATIONS

Peak flow calculations, 1

Site	A (ha)	tc (mins)	Rainfall intensity, I, mm/hr						C_{10}
			$1_{yr,tc}$	$5_{yr,tc}$	$10_{yr,tc}$	$20_{yr,tc}$	$50_{yr,tc}$	$100_{yr,tc}$	
1	0.29	5	98.1	159	178	204	237	262	0.5
2	0.32	5	98.1	159	178	204	237	262	0.5

Peak flow calculations, 2

ARI (yrs)	Frequency factor (F_Y)	Peak flows 1 (m^3/s)	2 (m^3/s)	(m^3/s)	(m^3/s)	5 (m^3/s)	(m3/s)	Comment
1 yr,tc	0.9	0.036	0.039					
5 yr,tc	0.95	0.061	0.067					
10 yr,tc	1	0.072	0.079					
20 yr,tc	1.05	0.086	0.095					
50 yr,tc	1.15	0.110	0.121					
100 yr,tc	1.2	0.127	0.140					

TOTAL BASIN VOLUME

Total Basin Volume

Site	$Q_{tc,\ 0.25}$ (m^3/s)	Area factor	Basin surface area (m^2)	Depth of settling zone (m)	Settling zone volume (m^3)	Sediment storage volume (m^3)	Total basin volume (m^3)	Basin shape L:W Ratio	Length (m)	Width (m)
1	0.018	4100	73	0.6	44	2	46	3	14.8	4.9
2	0.020	4100	81	0.6	48	2	50	3	15.5	5.2

Issue	Description	Date
C	ISSUED FOR APPROVAL	22-07-19
B	ISSUED FOR APPROVAL	17-07-19
A	ISSUED FOR APPROVAL	12-07-19

Bar Scales

100mm on Original

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Scales NTS
Grid MGA
Height Datum AHD
Drawn GJ
Designed GJ
Checked AT
Approved

Project
2 MACPHERSON STREET
WARRIEWOOD
SUBDIVISION
PACKAGE

Title
SEDIMENTATION
AND EROSION
CONTROL
CALCULATIONS

Civil Engineers and Project Managers
at&l
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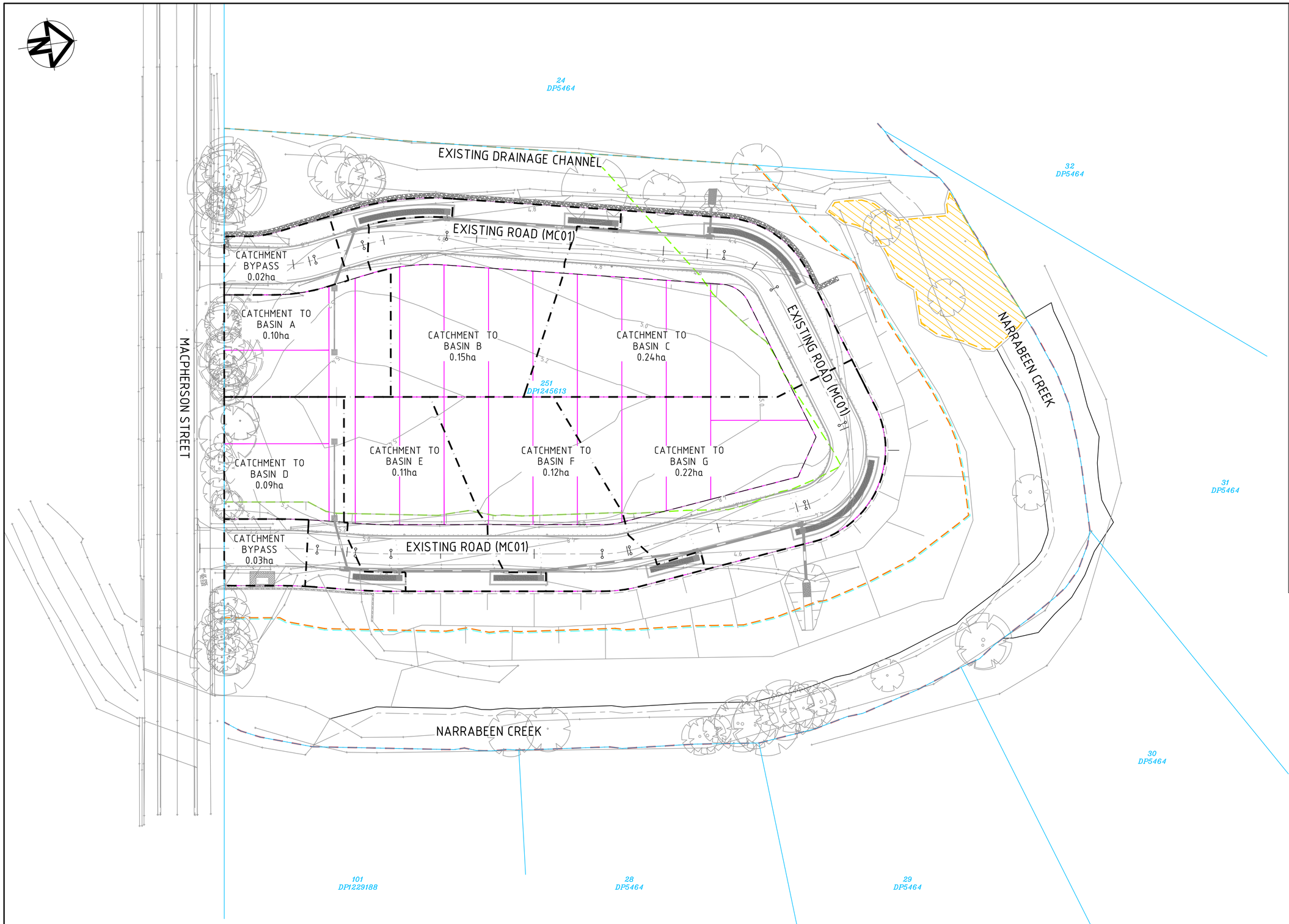
www.atl.net.au
info@atl.net.au

Status
FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Drawing No. C082
Project No. 18-580
Issue C

F:\18-580 Warriewood Meriton\6.0 Drgs\Civil\Final\000 Series - Subdivision\C082.dwg



SW CATCHMENT LEGEND

EXISTING

- EXISTING BOUNDARY
- EXISTING CONTOUR
- EXISTING TREE

WORKS INSTALLED AS PART OF DA N03981

- EXISTING BIODIVERSITY EXTENTS
- K&G — EXISTING KERB & GUTTER
- RK — EXISTING ROLL TOP KERB AND GUTTER
- EXISTING BATTER
- RRW — EXISTING ROCK RETAINING WALL
- RW — EXISTING RETAINING WALL
- 375ø — EXISTING STORMWATER PIPE (SHOWING SIZE)
- EXISTING STORMWATER KERB INLET PIT
- EXISTING STORMWATER SURFACE INLET PIT
- EXISTING STORMWATER RAINGARDEN

PROPOSED

- PROPOSED EASEMENT
- PROPOSED CREEK CENTERLINE
- PROPOSED 25m RIPARIAN CORRIDOR
- PROPOSED 25m PRIVATE BUFFER
- STORMWATER CATCHMENT BOUNDARY
- CATCHMENT TO BASIN E 0.12ha — STORMWATER CATCHMENT IDENTIFICATION

NOTES

1. REFER DRAWING C020 FOR CIVIL DETAILS.
2. DRIVEWAYS ARE SHOWN FOR COORDINATION PURPOSES ONLY AND ARE SUBJECT TO INDIVIDUAL LOT APPROVALS.

Issue	Description	Date
E	ISSUED FOR APPROVAL	30-01-20
D	ISSUED FOR APPROVAL	27-11-19
C	ISSUED FOR APPROVAL	22-07-19
B	ISSUED FOR APPROVAL	17-07-19
A	ISSUED FOR APPROVAL	12-07-19

Bar Scales

0 10 20 30 40m

1 : 400 @ A1 1 : 800 @ A3

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Internet: http://www.meriton.com.au

Scales	1 : 400 @ A1	Drawn	GJ
		Designed	GJ
Grid	MGA	Checked	AT
Height Datum	AHD	Approved	

Project
2 MACPHERSON STREET
WARRIEWOOD
SUBDIVISION
PACKAGE

Title
INTERNAL STORMWATER
CATCHMENT
PLAN

Civil Engineers and Project Managers
at&l
Level 7, 153 Walker Street
North Sydney NSW 2060
ABN 96 130 882 405
Tel: 02 9439 1777
Fax: 02 9460 8413
www.atl.net.au
info@atl.net.au

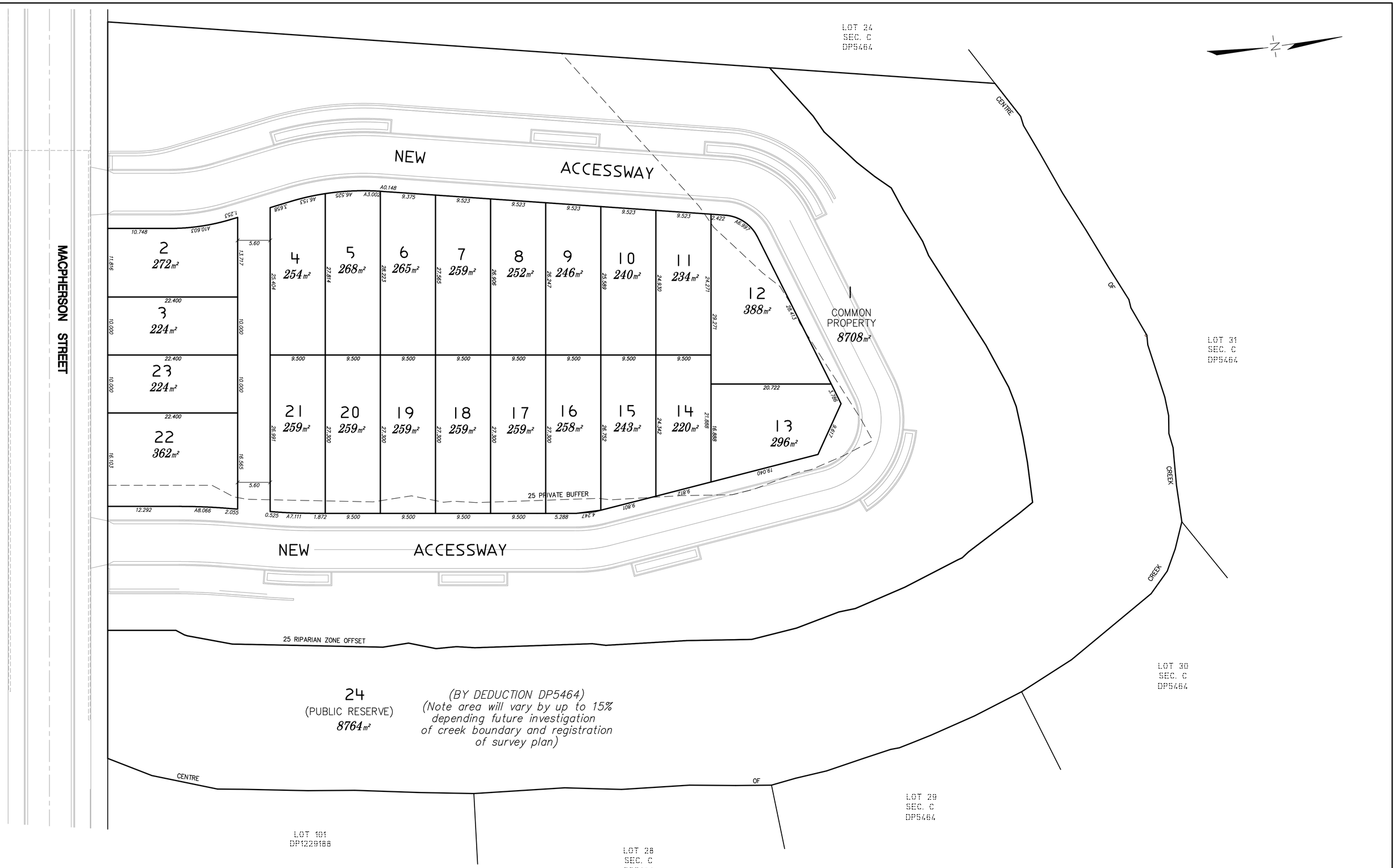
Status
FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION

A1

Drawing No.	Project No.	Issue
C090	18-580	E

100mm on Original

F:\18-580 Warriewood Meriton\6.0 Drgs\Civil\Final\000 Series - Subdivision\C090.dwg



DEVELOPMENT SUMMARY

SUBDIVIDE LOT 25 TO CREATE:

- LOT 1 COMMON PROPERTY & NEW ACCESSWAY
- LOTS 2 TO 23 VACANT LAND COMMUNITY TITLE LOTS
- LOT 24 OPEN SPACE TO BE DEDICATED TO COUNCIL (PUBLIC RESERVE)

Revision	Chk'd
Rev I 22/01/20, Revise Lot widths	
Rev H 6/08/19, Revise Public Reserve	
Rev G 12/04/19, Revise Layout	
Rev F 18/12/18, Add emt	
Rev E 5/12/18, Revise layout	

Client

MERITON GROUP

Important Notes:

THE PROPOSED BOUNDARIES AS SHOWN HEREON ARE PRELIMINARY ONLY AND ARE SUBJECT TO FINAL DESIGN, LOCAL AUTHORITY APPROVAL AND REGISTRATION WITH LAND & PROPERTY INFORMATION

SITE DETAIL SURVEY TAKEN FROM JOHN B WHITE PTY LTD DRAWING 123899/D2 DATED 25/7/2006

CIVIL WORKS & BUFFER LINES TAKEN FROM AT&L DRAWINGS SKC001 ISSUE B DATED 15/03/2019 – SUPPLIED BY MERITON GROUP 11-04-2019.

0 15 mm 50 m 30 m 100 mm 45 m 150 mm

PROPOSED SUBDIVISION PLAN

OF LOT 25 SECTION C IN DP5464
2 MACPHERSON STREET

Locality : WARRIEWOOD
Local Government : NORTHERN BEACHES

J:\42300–\42387\DWGS\22053Bi.pro

Scale	Level Datum AHD	F.Blk	L.Blk	Drawn GVG
1 : 300 @ A1 SIZE	Origin	–	–	Chk'd

B & P SURVEYS
CONSULTING SURVEYORS
ABN 85010117236
10 Nerang Street
Nerang,QLD,4211,Australia
Telephone: 07 5596 0370
Fax: 07 5502 0374
Email: nerang@bpsurveys.com.au
Webpage: www.bpsurveys.com.au
Offices Also At : Tweed Heads Ph.07 5536 3611
Murwillumbah Ph.02 6672 1924
A QUALITY ASSURED COMPANY

Ref. No.	Date	Drawing No./Size	Sheet	Of	Rev.
42387	20/6/17	22053 B	-	-	I

WARRIEWOOD:

2 MACPHERSON ST, NSW 2102

SUBDIVISION

DRAWING LIST		
DWG NO.	SHEET NAME	SCALE
DA000	Cover Sheet	nts
DA001	Building Envelope	1:200
DA002	Driveway and Garage Locations	1:200
DA003	Private Open Space	1:200
DA004	Setbacks	1:200
DA005	Indicative Elevation	1:100

Lot Number	Lot Area (m²)	Site Coverage (m²)	%	Landscaped Area (%)	POS Area (m²)
2	261	114	43.7	56.3	20.0
3	246	112	45.5	54.5	20.0
4	254	110	43.3	56.7	20.0
5	268	128	47.8	52.2	20.0
6	265	129	48.7	51.3	20.0
7	259	124	47.9	52.1	20.0
8	252	118	46.8	53.2	20.0
9	246	113	45.9	54.1	20.0
10	240	108	45.0	55.0	20.0
11	234	102	43.6	56.4	20.0
12	388	115	29.6	70.4	20.0
13	296	97	32.8	67.2	20.0
14	220	87	39.5	60.5	20.0
15	243	110	45.3	54.7	20.0
16	258	123	47.7	52.3	20.0
17	259	124	47.9	52.1	20.0
18	259	124	47.9	52.1	20.0
19	259	124	47.9	52.1	20.0
20	259	124	47.9	52.1	20.0
21	259	120	46.3	53.7	20.0
22	329	117	35.6	64.4	20.0
23	246	111	45.1	54.9	20.0

ISSUER:

MERITON

DATE	REV	DESCRIPTION
05/02/2020	A	COUNCIL RFI

PROJECT:

Warriewood

2 Macpherson St, Warriewood

DRAWING NAME:

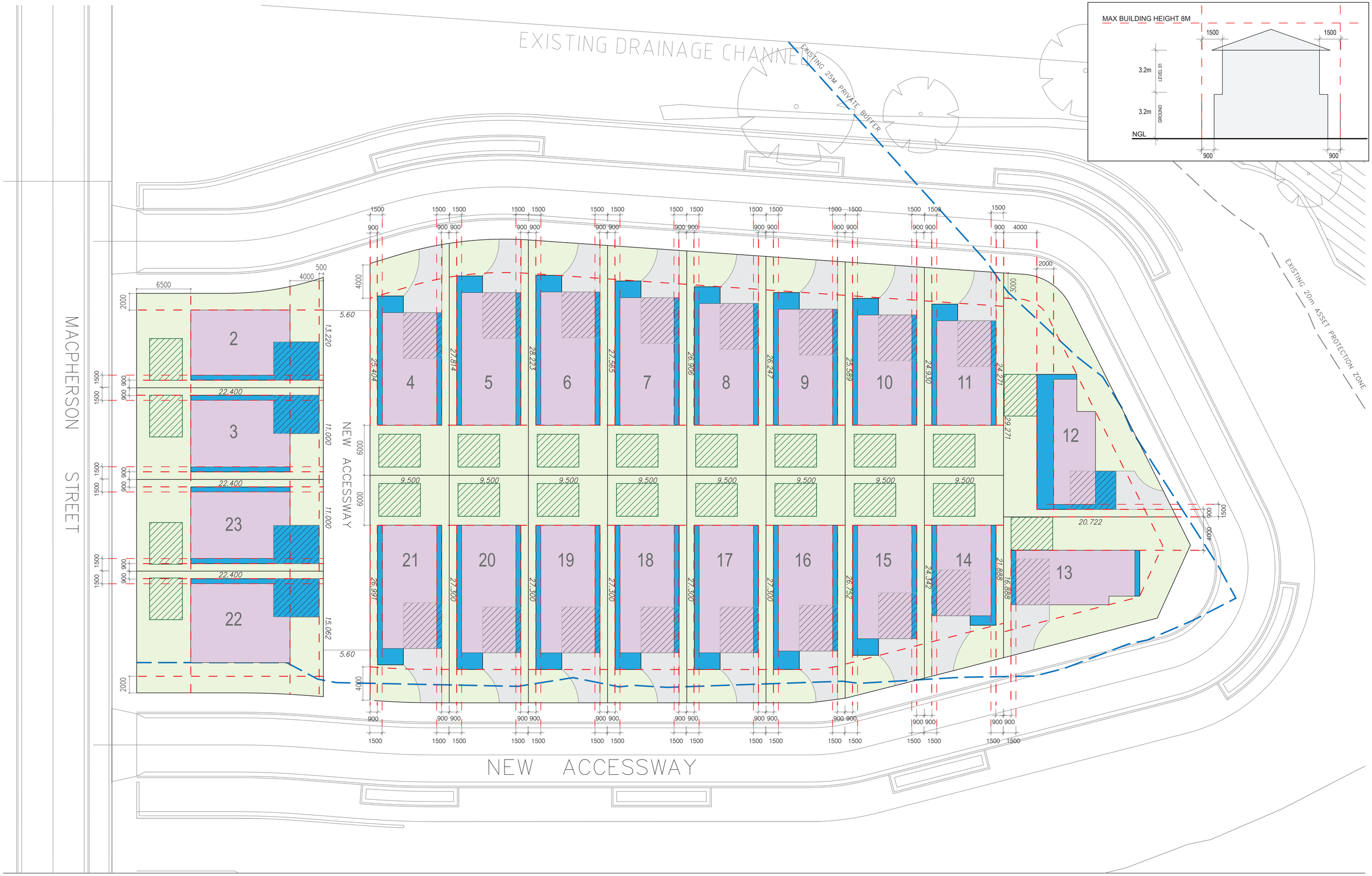
COVERSHEET

DRAWING NUMBER: DA000

REVISION: A

SCALE: NTS

N



ISSUER:

MERITON

DATE	REV	DESCRIPTION
05/02/2020	C	COUNCIL RFI

LEGEND:

- Setbacks
- First Floor Boundary
- Ground Floor Boundary
- Garage Zone
- Driveway Locations
- Landscaping
- Private Open Space ($20m^2$ - min 4m depth)

PROJECT:

Warriewood

2 Macpherson St, Warriewood

DRAWING NAME:

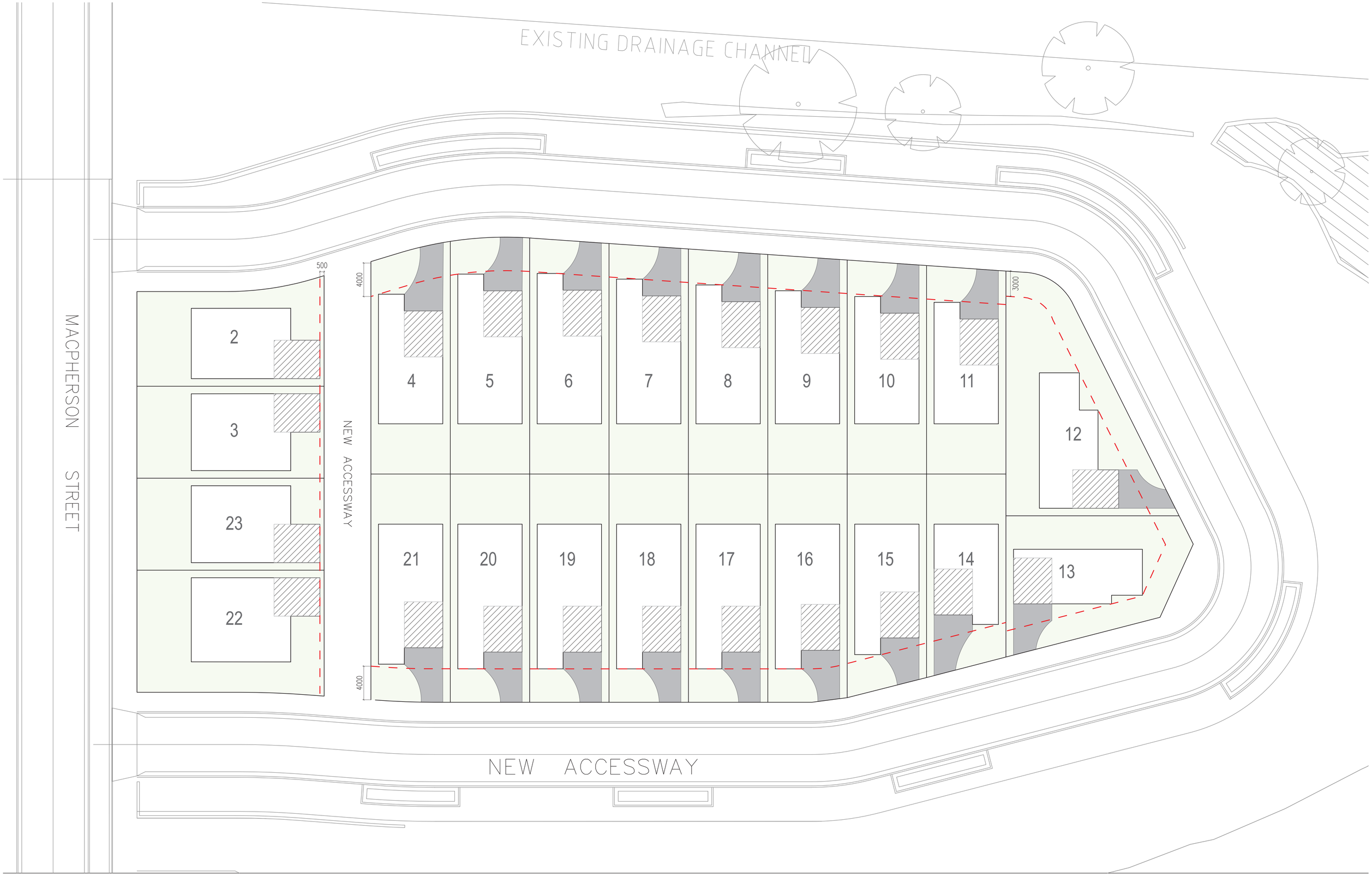
BUILDING ENVELOPE

DRAWING NUMBER: DA001

REVISION: C

SCALE: 1 : 200@A1

N



ISSUER:

MERITON

DATE	REV	DESCRIPTION
05/02/2020	C	COUNCIL RFI

LEGEND:

- Setbacks
- Driveway Locations
- Garage Zone

PROJECT:

Warriewood

2 Macpherson St, Warriewood

DRAWING NAME:

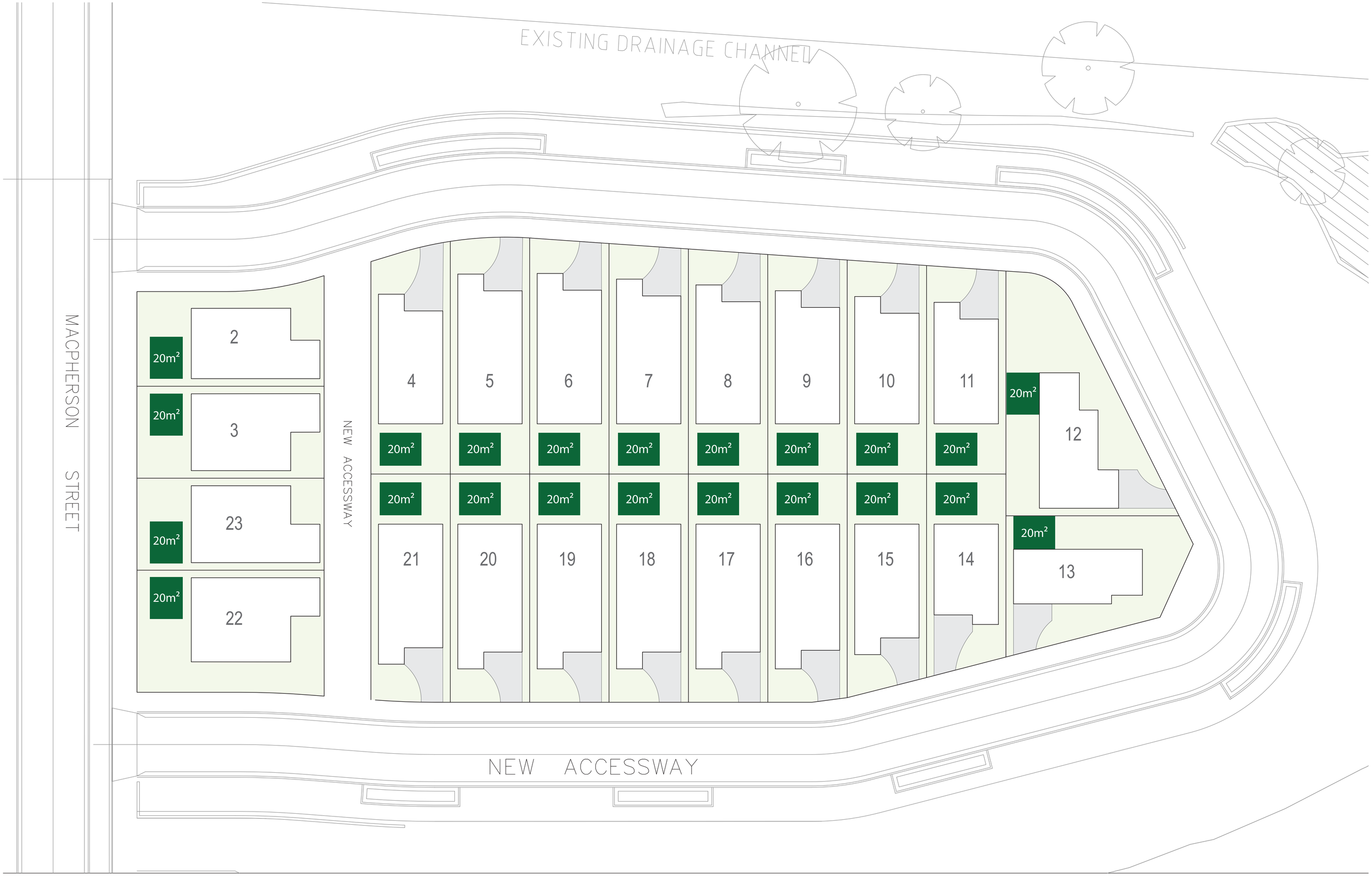
DRIVEWAY AND GARAGE LOCATIONS

DRAWING NUMBER: DA002

REVISION: C

SCALE: 1 : 200@A1

N



ISSUER:

MERITON

DATE	REV	DESCRIPTION
05/02/2020	C	COUNCIL RFI

LEGEND:

Landscaping

Private Open Space
(20m² - min 4m depth)

PROJECT:

Warriewood
2 Macpherson St, Warriewood

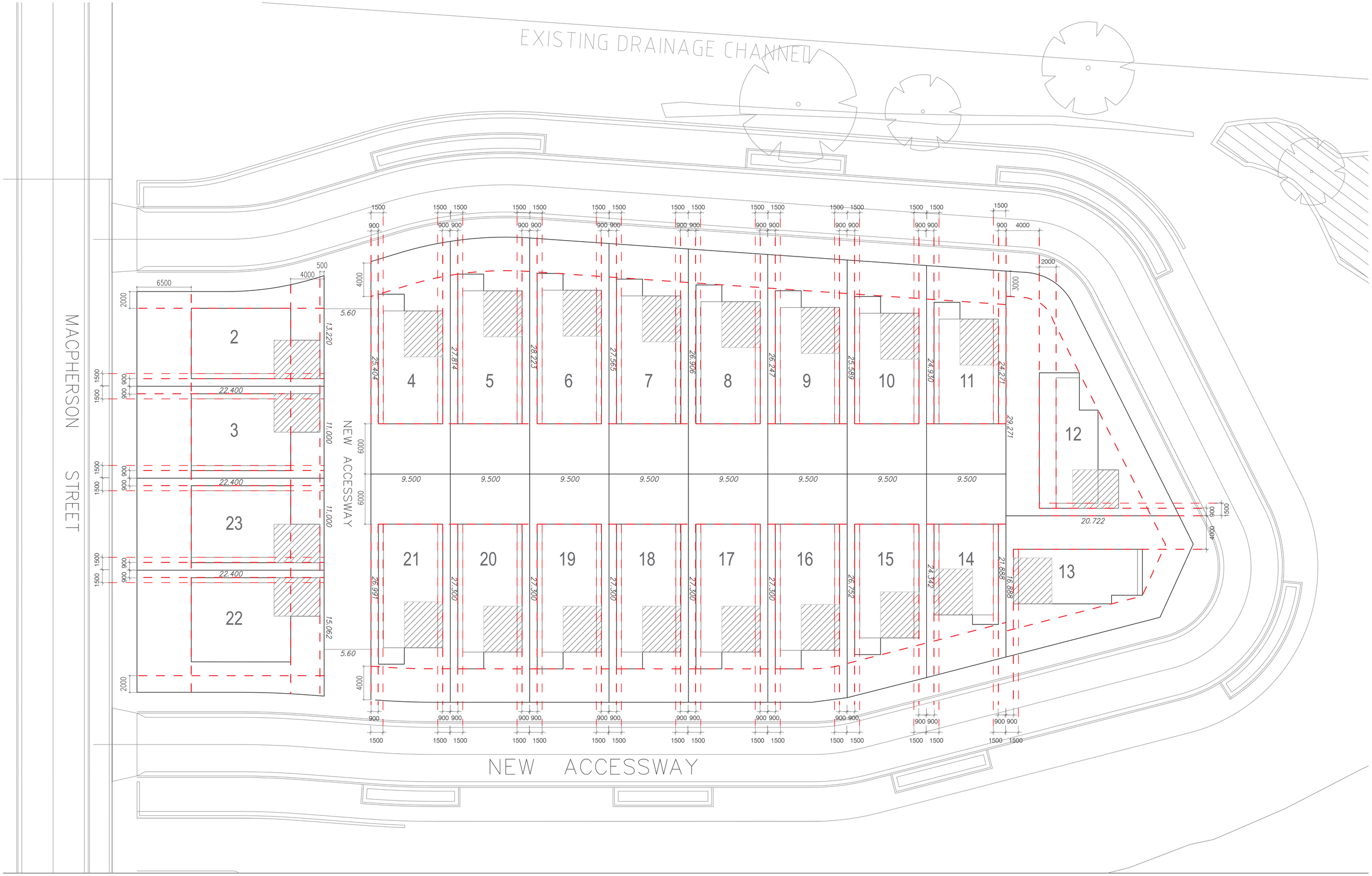
DRAWING NAME:
PRIVATE OPEN SPACE

DRAWING NUMBER: DA003

REVISION: C

SCALE: 1 : 200@A1

N



ISSUER:

MERITON

DATE	REV	DESCRIPTION
05/02/2020	C	COUNCIL RFI

LEGEND:

- Setbacks
- Garage Zone

PROJECT:

Warriewood

2 Macpherson St, Warriewood

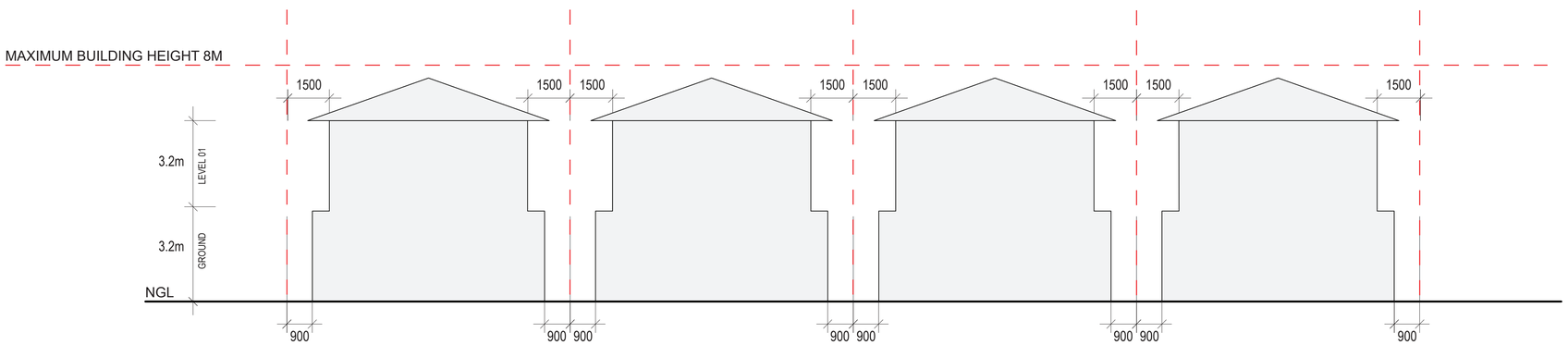
DRAWING NAME: SETBACKS

DRAWING NUMBER: DA004

REVISION: C

SCALE: 1 : 200@A1

N



Note:
All future proposed residential dwellings will be two storeys.
A maximum building height of 8m applies to each residential lot.

ISSUER:

MERITON

DATE	REV	DESCRIPTION
05/02/2020	C	COUNCIL RFI

LEGEND:

— — Setbacks

PROJECT:

Warriewood

2 Macpherson St, Warriewood

DRAWING NAME:

INDICATIVE ELEVATION

DRAWING NUMBER: DA005

REVISION: C

SCALE: 1 : 100@A1

N

2 MACPHERSON STREET, WARRIEWOOD
SUBDIVISION LANDSCAPE DEVELOPMENT APPLICATION

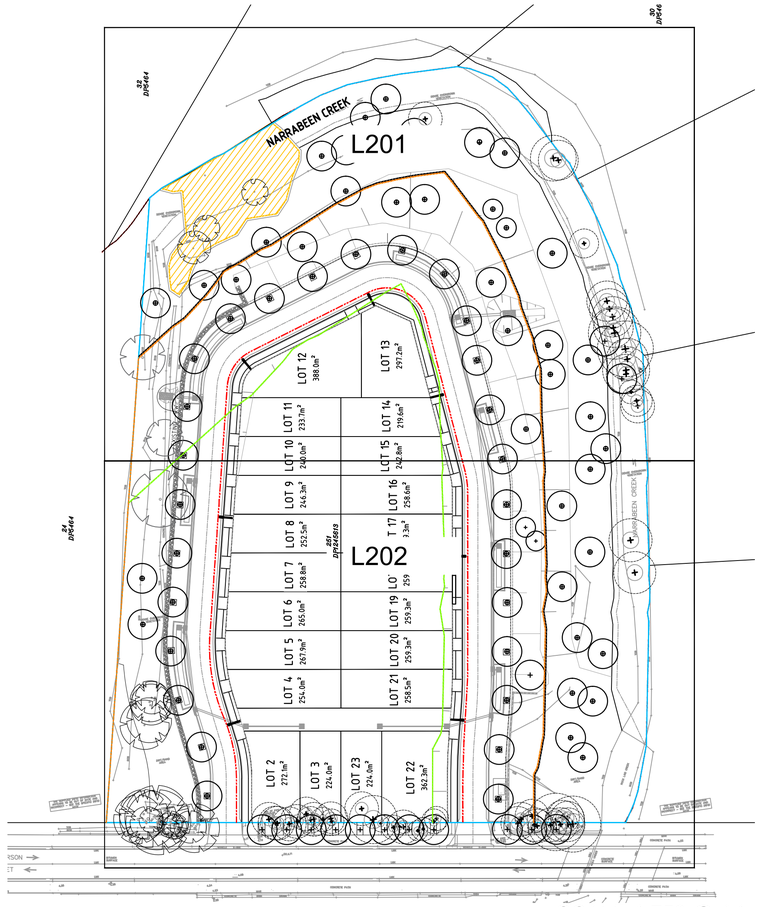
DRAWING REGISTER

DWG NO.	DRAWING NAME	SCALE	SIZE	ISSUE
L000	COVER SHEET, LEGEND, PLANT SCHEDULE & DRAWING REGISTER	NTS	A1	B
L201	LANDSCAPE PLAN	1:200	A1	B
L202	LANDSCAPE PLAN	1:200	A1	B
L900	LANDSCAPE SECTION & DETAILS	AS SHOWN	A1	A

PLANT SCHEDULE

STREETSCAPE PLANTING							
PLANT CODE	BOTANICAL NAME	COMMON NAME	MATURITY HEIGHT AND SPREAD (m)	SUPPLY HEIGHT AND SPREAD (m)	CONTAINER SIZE	DENSITY/ m²	QTY
TREES							
TRI lau	*Tristaniopsis laurina 'luscious'*	Water Gum	12m x 5m	4.5m x 2.5m	200L	as shown	21
						SUBTOTAL	**21**
Grasses							
LOM kat	*Lomandra katrinus*	Lomandra	0.8m x 0.8m	na	150mm	as shown	189
DIA cae	*Dianella caerulea*	Flax Lily	0.5m x 0.5m	na	150mm	as shown	189
						SUBTOTAL	**378**

KEY PLAN



SCALE 1:750 @ A1

LEGEND

- EXISTING BOUNDARY
- EXTENT OF SUBDISION DA WORKS
- PROPOSED CREEK CENTRE LINE
- PROPOSED 25m RIPARIAN CORRIDOR
- RIPARIAN ZONE OFFSET AREA / 25m PRIVATE BUFFER ZONE
- PROPOSED ASSET PROTECTION ZONE
- EXISTING TREES TO BE RETAINED REFER ARBORIST REPORT
- EARLY WORKS TREE PLANTING REFER EARLY WORKS LANDSCAPE PACKAGE
- EXISTING TREES TO BE REMOVED REFER ARBORIST REPORT
- PROPOSED TREES & UNDERSTORY PLANTS REFER PLANT SCHEDULE REFER TYPCIAL PLANTING DETAILS
- T1 TURF
- P1 PAVEMENT TYPE 1 1.5m WIDE PEDESTRIAN PATH REFER CIVIL ENGINEERS DRAWINGS
- P2 PAVEMENT TYPE 2 DRIVEWAY REFER CIVIL ENGINEERS DRAWINGS
- PAVEMENT TYPE 2 DRIVEWAY REFER CIVIL ENGINEERS DRAWINGS

DO NOT SCALE

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GENERAL LANDSCAPE NOTES

REV	DESCRIPTION	DWN	CHK	DATE
B	SUBDIVISION DA ISSUE	CG	CG	30.01.20
A	SUBDIVISION DA ISSUE	CG	CG	12.08.19

MERITON
Builders & Developers
Level 11, 528 Kent Street, Sydney NSW 2000
Tel: (02) 9287 2888 Fax: (02) 9287 2777
Email: camerong@meriton.com.au
Internet: http://www.meriton.com.au

PROJECT:
2 MACPHERSON ST,
WARRIEWOOD
SUBDIVISION DA

DRAWING TITLE:
LANDSCAPE COVER PAGE

DATE:	SCALE: AS SHOWN	DRAWING No:	REV:
PROJECT NO: N/A	DRAWN BY: AS SHOWN	L000	B

APPROVED AND SIGNED ON BEHLAF OF MERITON APARTMENTS PTY LTD

CAMERON GREATBATCH (REG. LA)

NORTH

S:\Warriewood Macpherson St (Pty)\Consultants\Landscape\DA\Meriton Landscape\Sheets\Overall DA\L000.dwg
30.01.2020
CAMERON GREATBATCH
RVE-LAND-CTB

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GENERAL LANDSCAPE NOTES

KEY PLAN

REV	DESCRIPTION	DWN	CHK	DATE
B	SUBDIVISION DA ISSUE	CG	CG	30.01.20
A	SUBDIVISION DA ISSUE	CG	CG	12.08.19

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Builders & Developers
Level 11, 528 Kent Street, Sydney NSW 2000
Tel: (02) 9287 2888 Fax: (02) 9287 2777
Email: TimF@meriton.com.au
Internet: http://www.meriton.com.au

PROJECT:

2 MACPHERSON ST,

WARRIEWOOD

SUBDIVISION DA

DRAWING TITLE:

LANDSCAPE PLAN

DATE:	SCALE:	DRAWING No:	REV:
21.09.18	AS SHOWN	L201	A
PROJECT NO: N/A	DRAWN BY: AS SHOWN		

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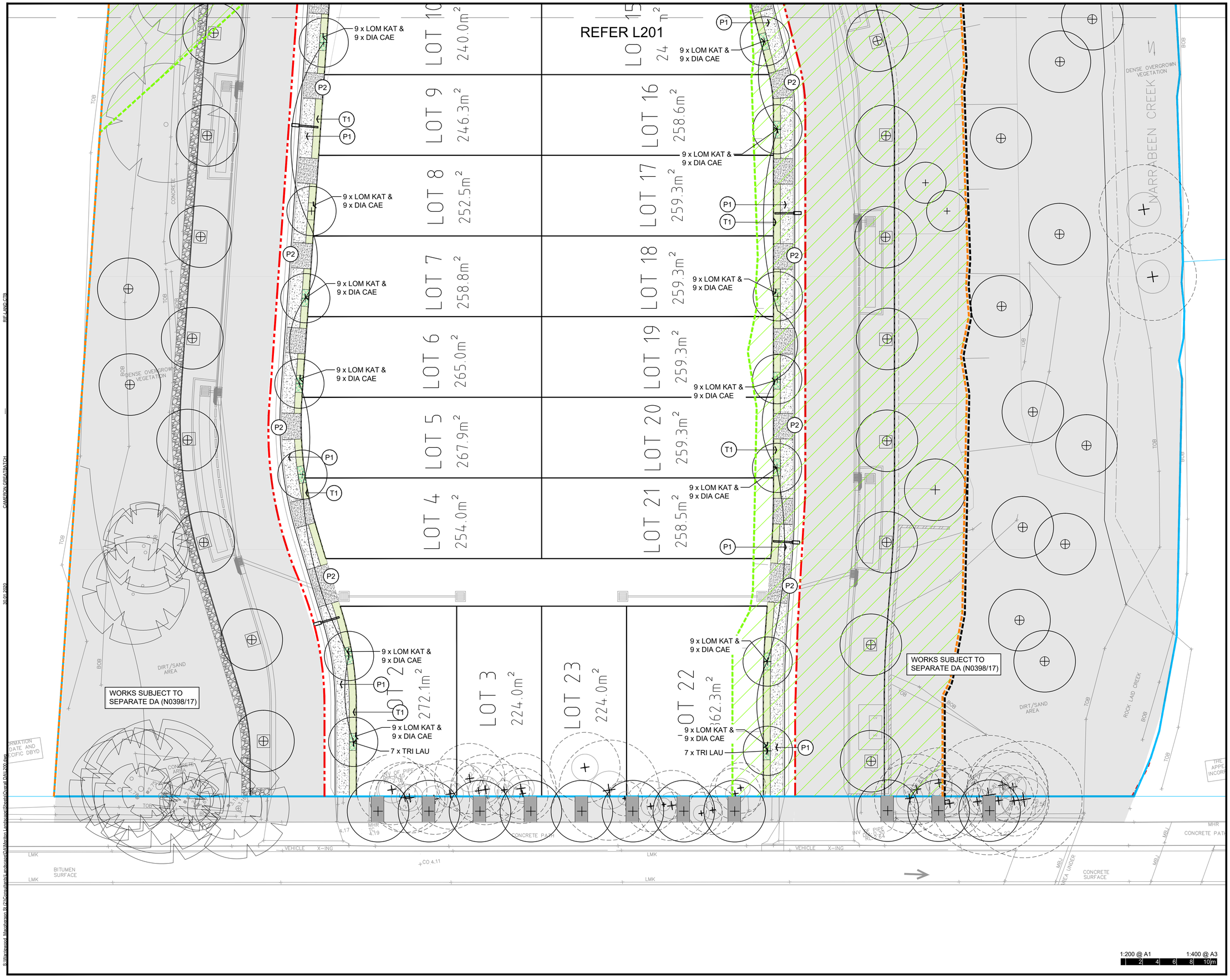
CAMERON GREATBATCH (REG. LA)

NORTH

S:\Warriewood Maintenance St (N)\Consultants\Landscape\DA\Meriton Landscape\Sheets\Overall DA\L200.dwg
30.01.2020
CAMERON.GREATBATCH
RVE-LAND.CTB



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GENERAL LANDSCAPE NOTES

KEY PLAN

REV	DESCRIPTION	DWN	CHK	DATE
A	SUBDIVISION DA ISSUE	CG	CG	30.01.20
A	SUBDIVISION DA ISSUE	CG	CG	12.08.19

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Email: TimF@meriton.com.au
Internet: http://www.meriton.com.au

PROJECT:

2 MACPHERSON ST,

WARRIEWOOD

SUBDIVISION DA

DRAWING TITLE:

LANDSCAPE PLAN

DATE:	SCALE:	DRAWING No:	REV:
21.09.18	AS SHOWN	L202	B
PROJECT NO: N/A	DRAWN BY: AS SHOWN		

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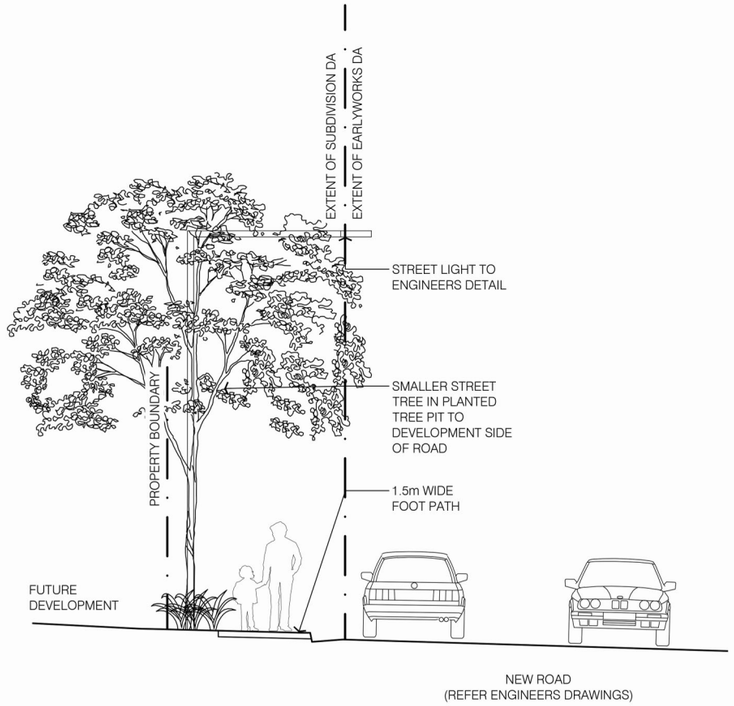
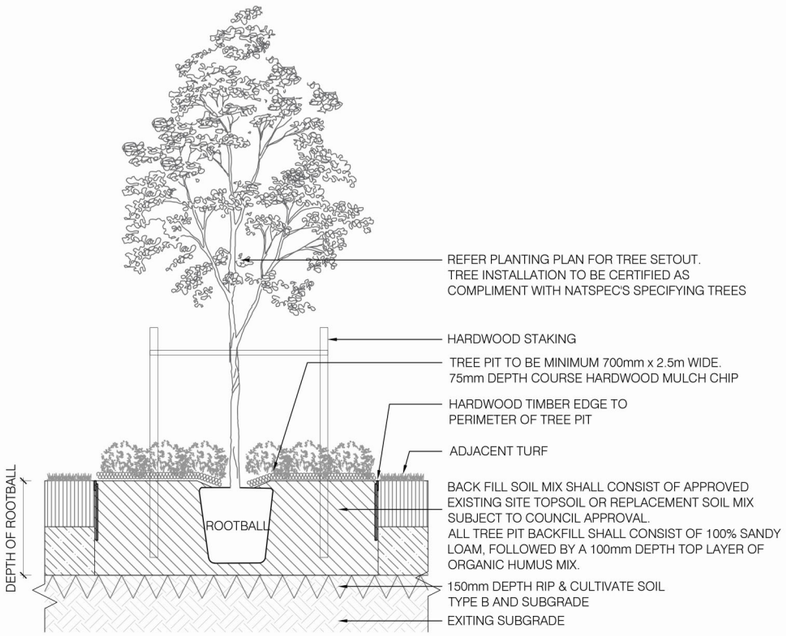
CAMERON GREATBATCH (REG. LA)

NORTH

S:\Warriewood Macpherson St (2)\Consultants\Landscape\CAD\Meriton Landscape\Sheets\Current DA\L200.dwg 30.01.2020 CAMERON.GREATBATCH



01 - TYPICAL LANDSCAPE SECTION
SCALE 1:50 @ A1; 1:100 @ A3



02 - TYPICAL TREE IN TURF DETAIL
SCALE 1:20 @ A1; 1:40 @ A3

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GENERAL LANDSCAPE NOTES

KEY PLAN

REV	DESCRIPTION	DWN	CHK	DATE
A	SUBDIVISION DA ISSUE	CG	CG	12.08.19

MERITON
Builders & Developers
Level 11, 528 Kent Street, Sydney NSW 2000
Tel: (02) 9287 2888 Fax: (02) 9287 2777
Email: TimF@meriton.com.au
Internet: http://www.meriton.com.au

PROJECT:
2 MACPHERSON ST,
WARRIEWOOD
SUBDIVISION DA

DRAWING TITLE:
LANDSCAPE DETAILS

DATE:	SCALE:	DRAWING No:	REV:
21.09.18	AS SHOWN	L900	A
PROJECT NO: N/A	DRAWN BY: AS SHOWN		

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CAMERON GREATBATCH (REG. LA)

NORTH

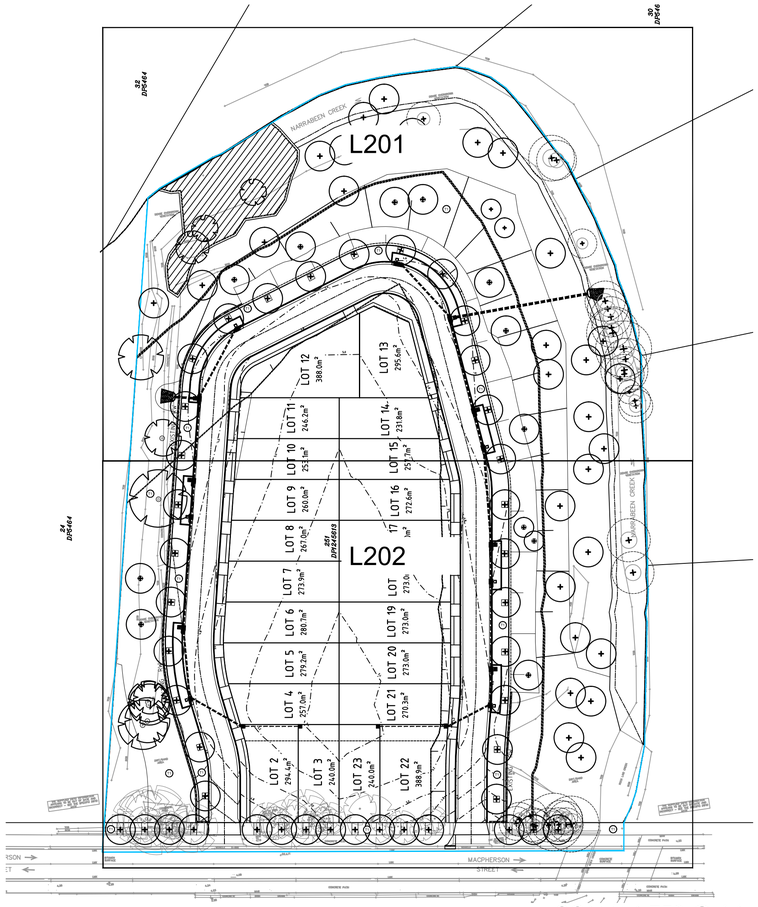
S:\Warriewood, Macpherson St (2)\Consultants\Landscape\DA\Meriton Landscape\Sheets\Dwg\L900.dwg 12.08.2019 CAMERON GREATBATCH RIFLAND CTB

2 MACPHERSON STREET, WARRIEWOOD
EARLY WORKS CONSTRUCTION CERTIFICATE

DRAWING REGISTER

DWG NO.	DRAWING NAME	SCALE	SIZE	ISSUE
L000	COVER SHEET, LEGEND & DRAWING REGISTER	NTS	A1	A
L001	PLANT SCHEDULE	NTS	A1	A
L201	LANDSCAPE PLAN	1:200	A1	A
L202	LANDSCAPE PLAN	1:200	A1	A
L800	TYPICAL SECTIONS	AS SHOWN	A1	A
L900	LANDSCAPE DETAILS	AS SHOWN	A1	A
L901	LANDSCAPE MAINTENANCE SPECIFICATION NOTES	AS SHOWN	A1	A

KEY PLAN



SCALE 1:750 @ A1

LEGEND

- EXTENT OF WORKS
- PROPOSED CREEK CENTRE LINE
- PROPOSED 25m RIPARIAN CORRIDOR
- PROPOSED 25m PRIVATE BUFFER
- PROPOSED ASSET PROTECTION ZONE
- EXISTING TREES TO BE RETAINED REFER ARBORIST REPORT
- EXISTING TREES TO BE REMOVED REFER ARBORIST REPORT
- PROPOSED TREES REFER PLANT SCHEDULE REFER TYPCIAL PLANTING DETAILS
- MIX A — PLANTING MIX A REFER PLANT SCHEDULE REFER TYPCIAL PLANTING DETAILS
- MIX B — PLANTING MIX B REFER PLANT SCHEDULE REFER TYPCIAL PLANTING DETAILS
- MIX C — PLANTING MIX C REFER PLANT SCHEDULE REFER TYPCIAL PLANTING DETAILS
- BIO-RETENTION PLANTING MIX REFER PLANT SCHEDULE REFER ENGINEERS DETAILS
- T1 — TURF

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GENERAL LANDSCAPE NOTES

REV	DESCRIPTION	DWN	CHK	DATE
A	CONSTRUCTION CERTIFICATE	CG	CG	30.08.19

MERITON
Builders & Developers
Level 11, 528 Kent Street, Sydney NSW 2000
Tel: (02) 9287 2888 Fax: (02) 9287 2777
Email: TimF@meriton.com.au
Internet: http://www.meriton.com.au

PROJECT:
2 MACPHERSON ST,
WARRIEWOOD

DRAWING TITLE:
LANDSCAPE COVER PAGE

DATE:	SCALE:	DRAWING No:	REV:
21.09.18	AS SHOWN	L000	A
PROJECT NO: N/A	DRAWN BY: AS SHOWN		

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CAMERON GREATBATCH (REG. LA)

NORTH

S:\Warriewood Macpherson St (2)\Consultants\Landscape\CAD\Meriton Landscape\Sheets\C5000.dwg
18.09.2019
CAMERON.GREATBATCH
RVE-LAND.CTB

PLANT SCHEDULE

STREET CORRIDOR PLANTING							
PLANT CODE	BOTANICAL NAME	COMMON NAME	MATURITY HEIGHT AND SPREAD (m)	SUPPLY HEIGHT AND SPREAD (m)	CONTAINER SIZE	DENSITY/ m²	QTY
TREES							
ANG cos	*Angophora costata*	Sydney Red Gum	16m x 8m	4.5m x 2.5m	200L	as shown	12
LOP con	*Lophostemon confertus*	Brush Box	12m x 5m	4.5m x 2.5m	200L	as shown	10
WAT flo	*Waterhousea floribunda*	Weeping Lily Pilly	30m x 15m	4.5m x 2.5m	200L	as shown	5
TRI lau	*Tristaniopsis laumina*	Water Gum	15m x 7m	5.5m x 2.5m	400L	as shown	15
						SUBTOTAL	**42**
Grasses							
LOM kat	*Lomandra katrinus*	Lomandra	0.8m x 0.8m	na	150mm	as shown	324
DIA cae	*Dianella caerulea*	Flax Lily	0.5m x 0.5m	na	150mm	as shown	324
						SUBTOTAL	**648**

CREEKLINE CORRIDOR PLANTING							
PLANT CODE	BOTANICAL NAME	COMMON NAME	MATURITY HEIGHT AND SPREAD (m)	SUPPLY HEIGHT AND SPREAD (m)	CONTAINER SIZE	DENSITY/ m²	QTY
CREEKLINE CORRIDOR TREES							
EUC rob	*Eucalyptus robusta*	Swamp Mahogany	20m x 8m	na	200L	as shown	15
BAN int	*Banksia integrifolia*	Coast Banksia	7m x 3m	na	200L	as shown	7
EUC pun	*Eucalyptus punctata*	Grey Gum	25m x 8m	na	200L	as shown	8
MEL qui	*Melaleuca quinquenervia*	Broad-Leaved Paperbark	12m x 9m	na	200L	as shown	11
						SUBTOTAL	**41**

CREEKLINE CORRIDOR MIX A AQUATIC PLANTS									
PLANT CODE	BOTANICAL NAME	COMMON NAME	MATURITY HEIGHT AND SPREAD (m)	SUPPLY HEIGHT AND SPREAD (m)	CONTAINER SIZE	DENSITY/ m²	QTY	MIX (decimal)	Area (m2)
ALI pla	*Alisma plantago-aquatica*	Water Plantain	1m x 0.7m	na	Tubestock	4	1048	0.1	2620
BAU art	*Baumea articulata*	Jointed Twig Rush	2m x 2m	na	Tubestock	4	1048	0.1	
BAU jun	*Baumea juncea*	Bare Twig Rush	1m x 1m	na	Tubestock	4	1048	0.1	
BAU rib	*Baumea rubiginosa*	Soft Twig Sedge	1m x 0.5m	na	Tubestock	4	1048	0.1	
BOL flu	*Bolboschoenus fluviatilis*	Marsh Club Rush	2.5m x 0.3m	na	Tubestock	4	1048	0.1	
BOL cal	*Bolboschoenus caldwellii*	Caldwells Clubrush	1m x 0.3m	na	Tubestock	4	1048	0.1	
ELE sph	*Eleocharis sphacelata*	Tall Spike Rush	2m x 1.5m	na	Tubestock	4	1048	0.1	
PHI lan	*Philydrum lanuginosum*	Frogsmouths	1m x 0.6m	na	Tubestock	4	1048	0.1	
PHR aus	*Phragmites australis*	Common Reed	2m x 0.5m	na	Tubestock	4	1048	0.1	
SCH val	*Schoenoplectus validus*	Grey Club-Rush	2m x 2m	na	Tubestock	4	524	0.05	
TRI pro	*Triglochin procera*	Water Ribbons	2m x 0.5m	na	Tubestock	4	524	0.05	
						SUBTOTAL	**10480**	**1**	

CREEKLINE CORRIDOR MIX B LITTORIAL PLANTS									
PLANT CODE	BOTANICAL NAME	COMMON NAME	MATURITY HEIGHT AND SPREAD (m)	SUPPLY HEIGHT AND SPREAD (m)	CONTAINER SIZE	DENSITY/ m²	QTY	MIX (decimal)	Area (m2)
							Total Planting Mix A Area		**3490**
CAR app	*Carex appressa*	Tall Sedge	0.8m x 0.7m	na	Tubestock	4	628	0.15	1047
JUN kra	*Juncus kraussii*	Salt Marsh Rush	1m x 0.4m	na	Tubestock	4	628	0.15	
JUN usi	*Juncus usitatus*	Common Rush	1m x 0.4m	na	Tubestock	4	628	0.15	
CYP bre	*Cyperus brevifolius*	Mullumbimby Couch	0.6m x 0.4m	na	Tubestock	4	628	0.15	
ISC glo	*Isolepis nodosa*	Knobby Club Rush	1m x 0.8m	na	Tubestock	3	628	0.2	
PHI lan	*Philydrum lanuginosum*	Woolly Waterlily	0.7 x 0.6m	na	Tubestock	4	838	0.2	
						SUBTOTAL	**3979**	**1**	

CREEKLINE CORRIDOR MIX B GRASSES INFREQUENTLY									
CAR app	*Carex appressa*	Tall Sedge	0.8m x 0.7m	na	Tubestock	4	628	0.15	1047
DIA cae	*Dianella caerulea*	Blue Flax Lily	0.6m x 0.7m	na	Tubestock	4	628	0.15	
GAH sie	*Gahnia sieberiana*	Red Fruit Saw Sedge	2m x 2m	na	Tubestock	4	628	0.15	
ISO nod	*Isolepis nodosa*	Knobby Club Rush	1m x 0.8m	na	Tubestock	4	628	0.15	
LOM lon	*Lomandra longifolia*	Spinny Headed Mat-Rush	1.2 x 1m	na	Tubestock	4	838	0.2	
JUN usi	*Juncus usitatus*	Common Rush	1m x 0.4m	na	Tubestock	4	838	0.2	
						SUBTOTAL	**4188**	**1**	

CREEKLINE CORRIDOR MIX B SHRUBS									
ACA elo	*Acacia elongata*	Swamp Wattle	0.5m x 0.7m	na	Tubestock	3	335	0.08	1396
ACA lon	*Acacia longifolia*	Sydney Golden Wattle	6m x 4m	na	Tubestock	1	112	0.08	
ACA sua	*Acacia suaveolens*	Sweet Wattle	2m x 2.5m	na	Tubestock	3	335	0.08	
ACA imp	*Acacia implexa*	Hickory Wattle	8m x 7m	na	Tubestock	1	112	0.08	
ACA dec	*Acacia decurrens*	Green Wattle	8m x 4m	na	Tubestock	1	112	0.08	
CAL cit	*Callistemon citrinus*	Lemon Bottlebrush	2.5m x 2.5m	na	Tubestock	3	335	0.08	
CAL lin	*Callistemon linearis*	Narrow-Leaved Bottlebrush	3.5 x 4.5m	na	Tubestock	3	335	0.08	
GOO pan	*Goodenia paniculata*	Branched Goodenia	0.5m x 0.7m	na	Tubestock	3	335	0.08	
LEP jun	*Leptospermum juniperinum*	Prickly Tea Tree	4m x 2m	na	Tubestock	3	335	0.08	
KUN amb	*Kunzea ambigua*	Tick Bush	0.6 x 1.5m	na	Tubestock	3	335	0.08	
MELeri	*Melaleuca ericifolia*	Swamp Paperbark	9m x 6m	na	Tubestock	1	140	0.1	
PUL vil	*Pultenaea villosa*	Hairy Bush Pea	2m x 2.5m	na	Tubestock	3	419	0.1	
PIT rev	*Pittosporum revolutum*	Yellow Pittosporum	3m x 2m	na	Tubestock	3	419	0.1	
						SUBTOTAL	**3658**	**1**	

CREEKLINE CORRIDOR MIX C UNDERSTOREY/SHRUBS									
PLANT CODE	BOTANICAL NAME	COMMON NAME	MATURITY HEIGHT AND SPREAD (m)	SUPPLY HEIGHT AND SPREAD (m)	CONTAINER SIZE	DENSITY/ m²	QTY	MIX (decimal)	Area (m2)
CYA aus	*Cyathea australis*	Rough Tree Fern	12m x 3m	na	150mm	0.5	13	0.1	250
ACA sua	*Acacia suaveolens*	Sweet Wattle	2m x 2.5m	na	150mm	2	50	0.1	
BAN spi	*Banksia spinulosa*	Honey Suckle Banksia	3m x 2.5m	na	150mm	2	50	0.1	
CER gum	*Ceratopetalum gummiferum*	NSW Christmas Bush	5m x 2m	na	150mm	1	25	0.1	
GRE ser	*Grevillea sericea*	Pink Spider Flower	2m x 2m	na	150mm	3	75	0.1	
MAC com	*Macrozamia communis*	Cycad	2m x 2m	na	150mm	3	75	0.1	
MEL hyp	*Melaleuca hypericifolia*	Red Flowering Paperbark	3m x 3m	na	150mm	3	75	0.1	
CAL ser	*Callicoma serratifolia*	Black Wattle	12m 4m	na	150mm	0.5	19	0.15	
HIB sca	*Hibbertia scandens*	Golden Guinea Flower	0.5m x 3m	na	150mm	4	150	0.15	
						SUBTOTAL	**531**	**1**	

BIO-RETENTION									
PLANT CODE	BOTANICAL NAME	COMMON NAME	MATURITY HEIGHT AND SPREAD (m)	SUPPLY HEIGHT AND SPREAD (m)	CONTAINER SIZE	DENSITY/ m²	QTY	MIX (decimal)	Area (m2)
CAR app	*Carex appressa*	Tall Sedge	0.8m x 0.7m	na	150mm	10	226	0.1	226
CYP pol	*Cyperus polystachyos*	Bunchy sedge	0.6m x 0.5m	na	150mm	10	226	0.1	
JUN usi	*Juncus usitatus*	Common Rush	1m x 0.4m	na	150mm	8	181	0.1	
LAC bil	*Lachnagrostis billardierei*	Lachnagrostis	0.7 x 0.5m	na	150mm	10	226	0.1	
LAC fil	*Lachnagrostis filiformis*	Lachnagrostis	0.7 x 0.5m	na	150mm	10	339	0.15	
POA lab	*Poa labillardieri*	Tussock-grass	0.9 x 0.6m	na	150mm	10	339	0.15	
RYT ten	*Rytidosperma tenuior (Austrodanthonia tenuior, Danthonia tenuior)*	Wallaby Grass	1.2 x 1m	na	150mm	8	271	0.15	
THE aus	*Themeda australis*	Kangaroo Grass	0.7 x 0.5m	na	150mm	10	339	0.15	
						SUBTOTAL	**2147**	**1**	

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GENERAL LANDSCAPE NOTES

REV	DESCRIPTION	DWN	CHK	DATE
A	CONSTRUCTION CERTIFICATE	CG	CG	30.08.19

MERITON
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Tel: (02) 9287 2888 Fax: (02) 9287 2777
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Internet: http://www.meriton.com.au

PROJECT:

2 MACPHERSON ST,
WARRIEWOOD

DRAWING TITLE:

LANDSCAPE
PLANT SCHEDULE

DATE:	SCALE:	DRAWING No:	REV:
21.09.18	AS SHOWN	L001	A
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CAMERON GREATBATCH (REG. LA)

NORTH

RVG-AND-CTB
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CAMERON.GREATBATCH
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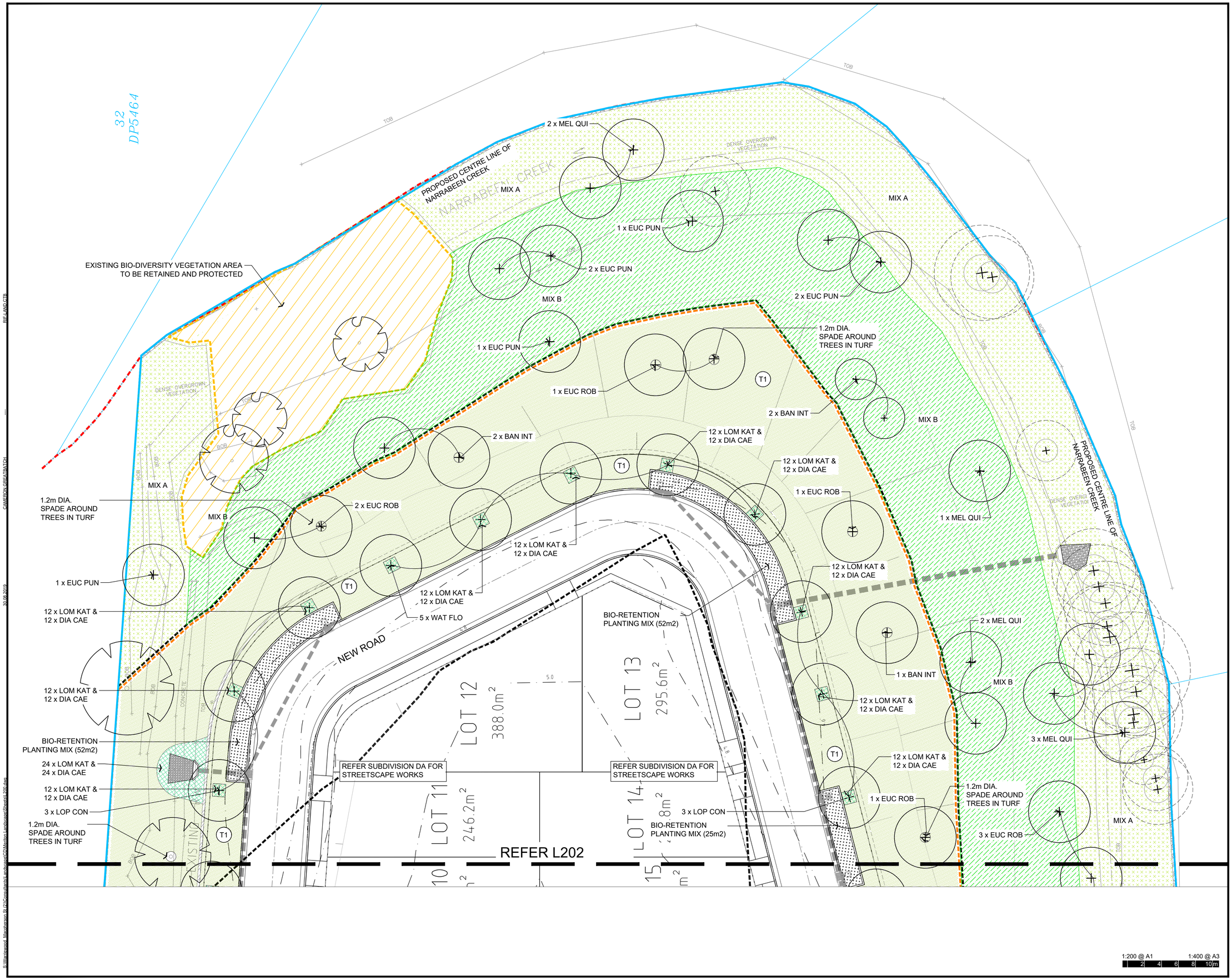

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PROJECT:

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KEY PLAN

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PROJECT:

2 MACPHERSON ST,

WARRIEWOOD

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LANDSCAPE PLAN

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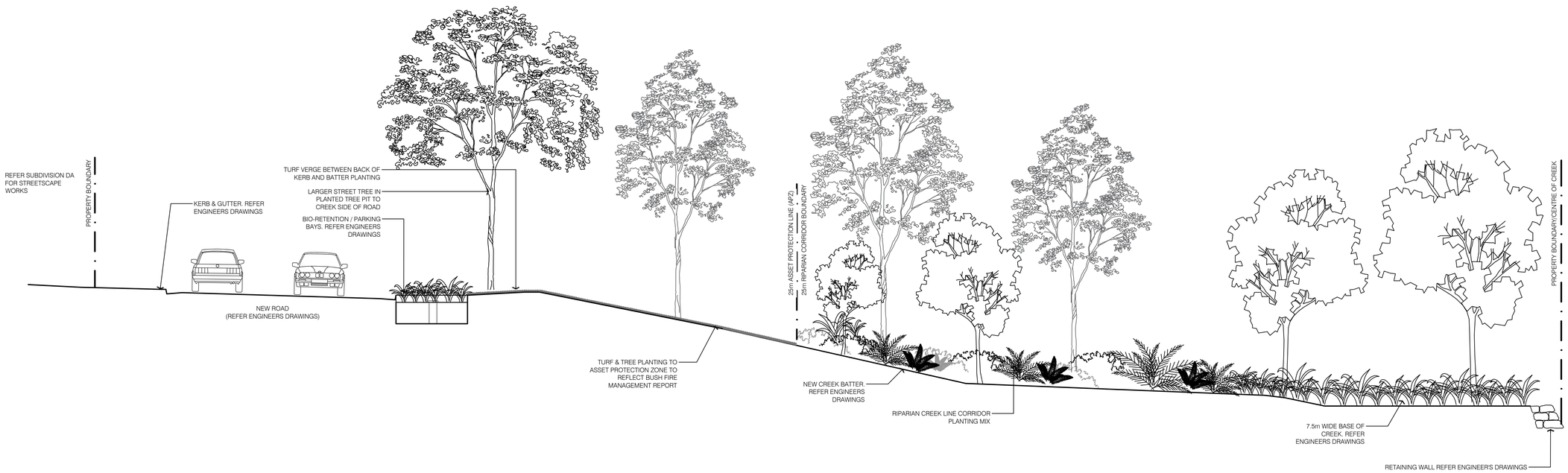
CAMERON GREATBATCH



01 - TYPICAL CREEK CORRIDOR AND ROAD SECTION
SCALE 1:75 @ A1; 1:150 @ A3

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A	CONSTRUCTION CERTIFICATE	CG	CG	30.08.19

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Internet: http://www.meriton.com.au

PROJECT:
2 MACPHERSON ST,
WARRIEWOOD

DRAWING TITLE:
LANDSCAPE
TYPICAL SECTIONS

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21.09.18	AS SHOWN	L800	A
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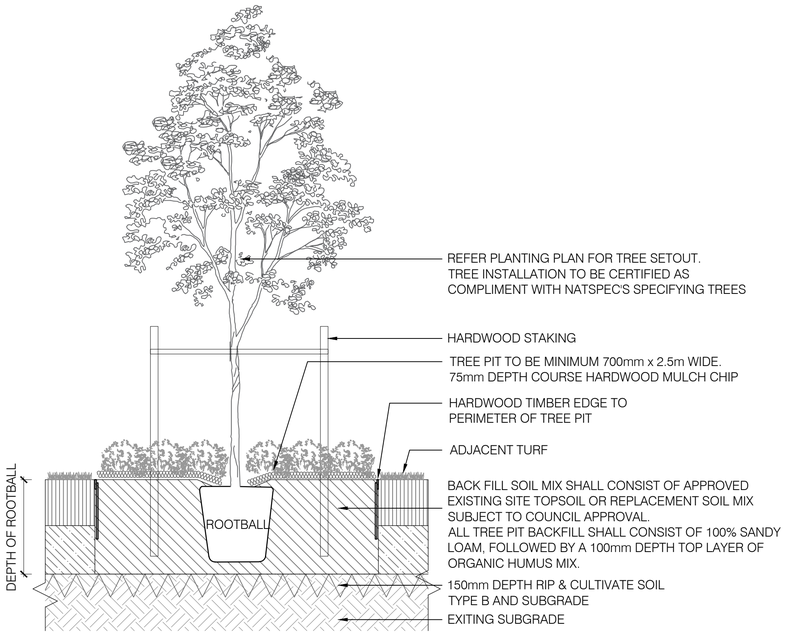
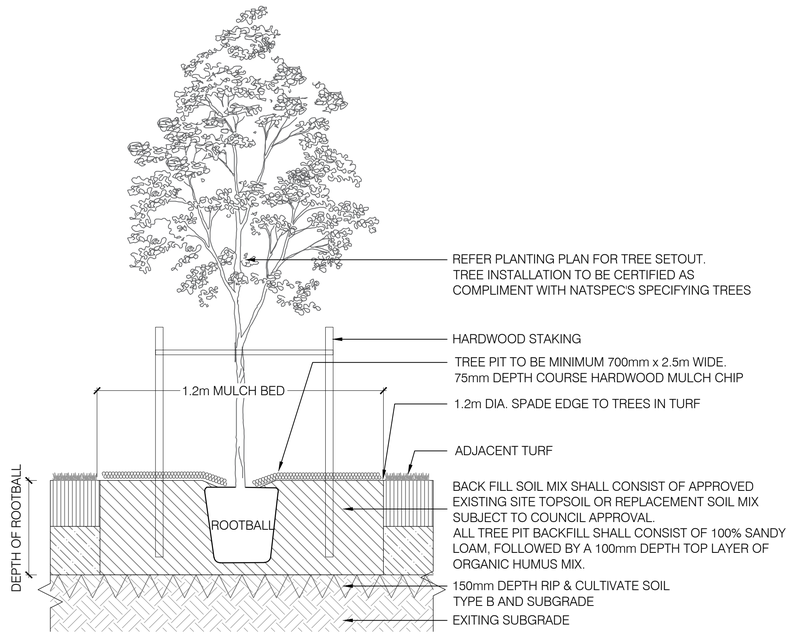
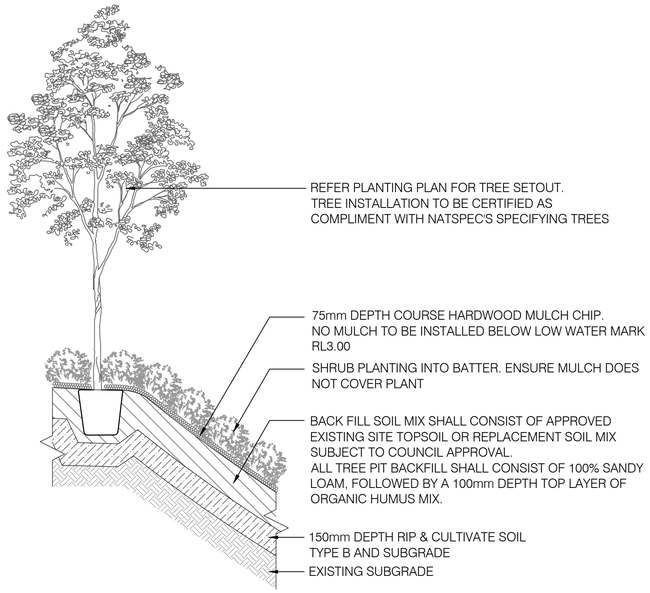


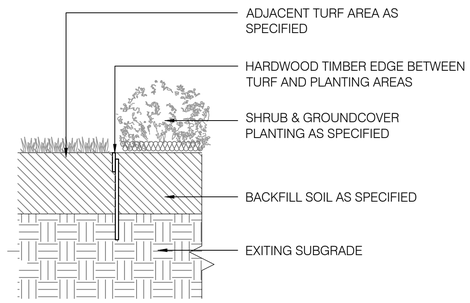
01 - TYPICAL TREE IN TURF WITH TIMBER EDGE DETAIL
SCALE 1:20 @ A1; 1:40 @ A3



02 - TYPICAL TREE IN TURF WITH SPADE EDGE DETAIL
SCALE 1:20 @ A1; 1:40 @ A3



03 - TYPICAL CREEK CORRIDOR BATTER PLANTING DETAIL
SCALE 1:20 @ A1; 1:40 @ A3



04 - TYPICAL INTERFACE DETAIL BETWEEN TURF & PLANTING DETAIL
SCALE 1:10 @ A1; 1:20 @ A3

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GENERAL LANDSCAPE NOTES

KEY PLAN

REV	DESCRIPTION	DWN	CHK	DATE
A	CONSTRUCTION CERTIFICATE	CG	CG	30.08.19

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PROJECT:
2 MACPHERSON ST,
WARRIEWOOD

DRAWING TITLE:
LANDSCAPE DETAILS

DATE:	SCALE:	DRAWING No:	REV:
21.09.18	AS SHOWN	L900	A
PROJECT NO: N/A	DRAWN BY: AS SHOWN		

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CAMERON GREATBATCH (REG. LA)

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CAMERON GREATBATCH
RVE-LAND-STB

GENERAL NOTES

LANDSCAPE MAINTENANCE STRATEGY

1.1 GENERAL

PLANTING MAINTENANCE PERIOD: THE PLANTING MAINTENANCE PERIOD WILL BE 24 MONTHS AND WILL COMMENCE FROM THE DATE OF PRACTICAL COMPLETION. OF EACH PHASE OF PLANTING WORKS (HEREBY SPECIFIED TO BE A SEPARABLE PART OF THE WORKS). IT IS ANTICIPATED THAT PLANTING WORKS WILL BE UNDERTAKEN IN ONE PHASE

PLANTING MAINTENANCE PROGRAM: 2 WEEKS PRIOR TO PRACTICAL COMPLETION, FURNISH A PROPOSED PLANTING ESTABLISHMENT PROGRAM, AND AMEND IT AS REQUIRED. SUCH PROPOSAL SHOULD CONTAIN DETAILS OF THE TYPES AND FREQUENCY OF MAINTENANCE ACTIVITIES INVOLVED WITH THE ESTABLISHMENT OF PLANTS AND GRASSED AREAS. COMPLY WITH THE APPROVED PROGRAM.

PLANTING MAINTENANCE LOG BOOK: KEEP A LOG BOOK RECORDING WHEN AND WHAT MAINTENANCE WORK HAS BEEN DONE AND WHAT MATERIALS, INCLUDING APPROVED TOXIC MATERIALS, HAVE BEEN USED. LOG BOOK MUST BE SIGNED OFF BY THE CLIENT'S REPRESENTATIVE AFTER EACH MAINTENANCE VISIT. MAINTAIN LOG BOOK IN LOCATION NOMINATED BY SUPERINTENDENT. ALL ENTRIES ARE TO BE INITIALLED BY PERSON NOMINATED BY SUPERINTENDENT. LOG BOOK TO CONTAIN A COPY OF THE APPROVED PLANTING ESTABLISHMENT PROGRAM.

PRODUCT WARRANTY: SUBMIT THE SUPPLIER'S WRITTEN STATEMENT CERTIFYING THAT PLANTS ARE TRUE TO THE REQUIRED SPECIES AND TYPE, AND ARE FREE FROM DISEASES, PESTS AND WEEDS.

INSURANCE: THE CONTRACTOR IS TO ENSURE SUITABLE INSURANCE COVER AND / OR BANK GUARANTEE IS IN PLACE FOR THE THEFT AND / OR DAMAGE OF ALL WORKS EXECUTED UNDER THIS CONTRACT FOR THE PLANT MAINTENANCE PERIOD.

1.2 WATERING

MASS PLANTING BEDS, TREE PITS & TURF AREAS ARE DESIGNED FOR PASSIVE IRRIGATION AFTER INITIAL MAINTENANCE PERIOD. THE CONTRACTOR IS RESPONSIBLE FOR A WATERING REGIME SYSTEM THAT WILL RELIABLY SUPPLY SUFFICIENT WATER TO SUSTAIN THE TREE SPECIFIED. IF THE WATERING REGIME IS INTENDED TO BE AMENDED THE CONTRACTOR MUST SEEK WRITTEN APPROVAL FROM THE SUPERINTENDENT IMMEDIATELY PRIOR TO THE DEFERMENT OF WATERING.

WATERING PERMITS: THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING THE NECESSARY WATERING PERMITS REQUIRED TO CARRY OUT THE WATERING AS SPECIFIED.

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1.3 PLANTING MAINTENANCE

PROTECTION OF WORKS: PROVIDE ANY FENCING OR BARRIERS NECESSARY TO PROTECT THE PLANTING FROM DAMAGE THROUGHOUT THE PLANTING ESTABLISHMENT PERIOD.

RECURRENT WORKS: THROUGHOUT THE PLANTING MAINTENANCE PERIOD, CONTINUE TO CARRY OUT RECURRENT WORKS OF A MAINTENANCE NATURE ALL TO THE EXTENT REQUIRED TO ENSURE THAT THE PLANTS ARE IN THE BEST POSSIBLE CONDITION AT THE END OF THE PLANTING MAINTENANCE PERIOD. THESE ACTIVITIES ARE INCLUDING BUT NOT LIMITED TO:

- WEEDING,
- RUBBISH REMOVAL,
- FERTILIZING,
- PEST AND DISEASE CONTROL,
- ADJUST / REPLACE STAKES AND TIES
- TOPPING UP MULCH,
- CULTIVATING,
- PRUNING,
- KEEPING THE SITE NEAT AND TIDY

REPLACEMENTS: THE CONTRACTOR IS RESPONSIBLE FOR THE REPLACEMENT OF FAILED, DAMAGED OR STOLEN TREES, SHRUBS AND GROUNDCOVERS THROUGHOUT THE PLANTING ESTABLISHMENT PERIOD.

1.4 WEEDING

GENERALLY: REGULARLY REMOVE, BY HAND, RUBBISH AND WEED GROWTH THAT MAY OCCUR OR RECUR THROUGHOUT TURFED, PLANTED AND MULCHED AREAS. CONTINUE ERADICATION THROUGHOUT THE COURSE OF THE WORKS AND DURING THE PLANTING ESTABLISHMENT PERIODS.

WEED ERADICATION: THE CONTRACTOR MUST MAKE ALLOWANCE FOR A HIGHER LEVEL OF MAINTENANCE DURING ESTABLISHMENT TO ENSURE THAT WEEDS ARE CONTROLLED.

HERBICIDE USE: RE-APPLICATION OF HERBICIDE SUCH AS RONSTAR OR EQUIVALENT IF REQUIRED.

1.7 FERTILISING

GENERALLY: THE FERTILISER REGIMES HAVE BEEN DEVISED TO PROVIDE SUFFICIENT LONG-TERM FERTILITY FOR THE VEGETATION TYPE AND IT IS ANTICIPATED THAT ALL EXCEPT THE VERY HIGH STATUS HORTICULTURAL BEDS SUCH AS FEATURE PLANTINGS (ENTRY AND COURTYARD PLANTING) FOR COLOUR AND FOLIAGE WILL NOT NEED REGULAR FERTILISER REGIMES.

TESTING: ADDITIONAL NITROGEN MAY BE REQUIRED DUE TO DRAWDOWN EFFECTS FROM COMPOSTS AND MULCHES AND LOCALISED WATERLOGGING. TO COMPENSATE FOR THIS, SOIL TESTING IS TO BE CARRIED OUT AFTER 12 MONTHS TO ASCERTAIN NUTRIENT REQUIREMENTS.

1.8 COMPLETION

CLEANING: REMOVE TEMPORARY PROTECTIVE FENCES AND TREE STAKES AT THE END OF THE PLANTING MAINTENANCE PERIOD.

ACCESS TO SITE

ACCESS TO THE SITE AND WORKING HOURS WILL BE CONFIRMED BY SUPERINTENDENT.

THE CONTRACTOR WILL NEED TO PROVIDE THE SUPERINTENDENT 48 HOURS NOTICE PRIOR TO THEIR INTENDED TIME TO VISIT THE SITE.

DO NOT SCALE

USE FIGURED DIMENSIONS AT ALL TIMES. IF IN DOUBT CHECK WITH MERITON APARTMENTS PTY. LTD. CONTRACTOR/S TO CHECK AND VERIFY ALL LEVELS, DATUMS AND DIMENSIONS ON SITE AND SHALL REPORT ANY DISCREPANCIES OR OMMISSIONS TO MERITON APARTMENTS PTY. LTD. PRIOR TO COMMENCEMENT OF WORK AND DURING THE CONSTRUCTION PHASE.

DISCLAIMER

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GENERAL LANDSCAPE NOTES

KEY PLAN

REV	DESCRIPTION	DWN	CHK	DATE
A	CONSTRUCTION CERTIFICATE	CG	CG	30.08.19

MERITON

Builders & Developers

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PROJECT:

2 MACPHERSON ST,

WARRIEWOOD

DRAWING TITLE:

LANDSCAPE
MAINTENANCE SPECIFICATION

DATE:	SCALE:	DRAWING No:	REV:
21.09.18	AS SHOWN	L901	A
PROJECT NO: N/A	DRAWN BY: AS SHOWN		

APPROVED AND SIGNED ON BEHLAF OF MERITON APARTMENTS PTY LTD

CAMERON GREATBATCH (REG. LA)

NORTH

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