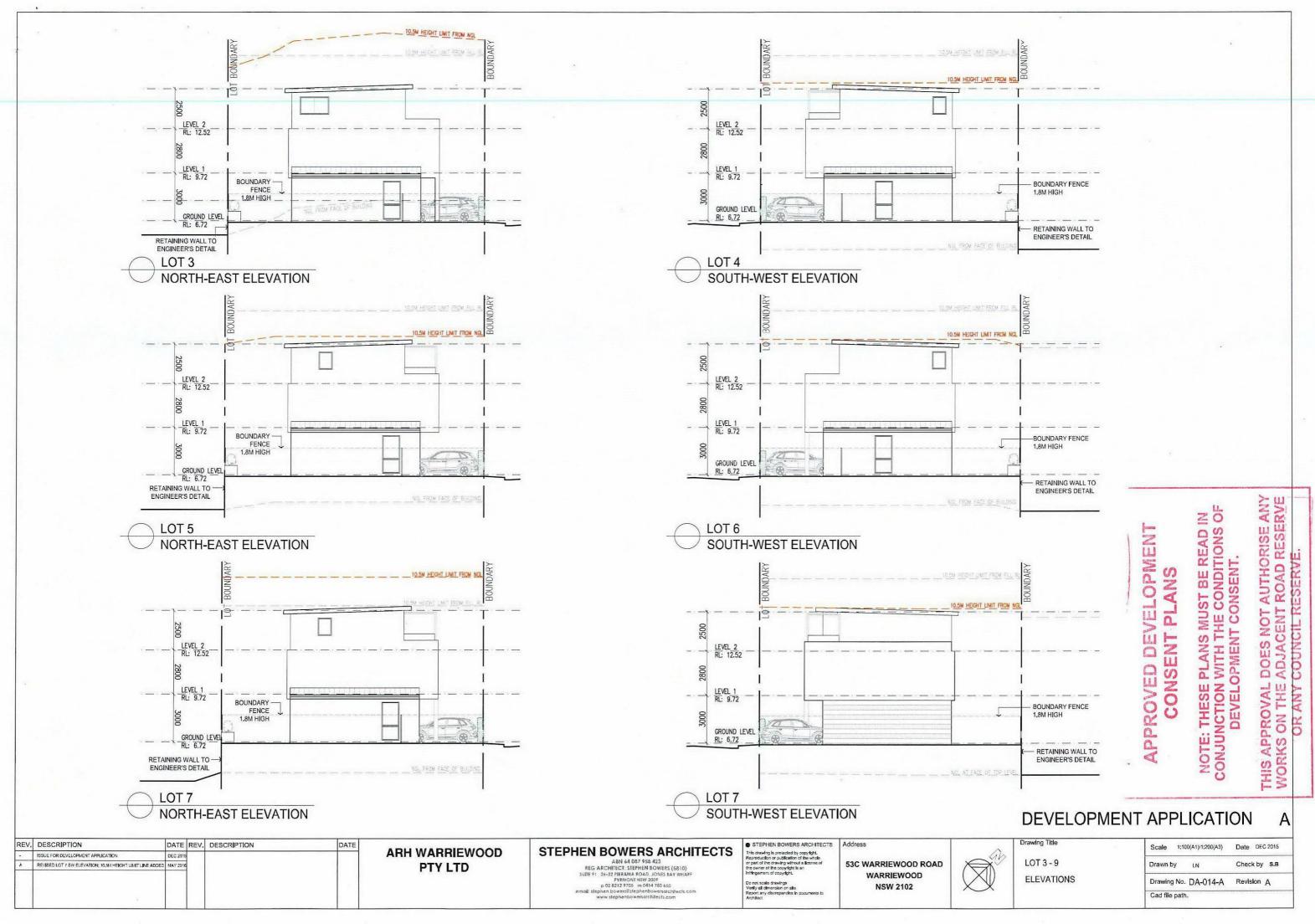
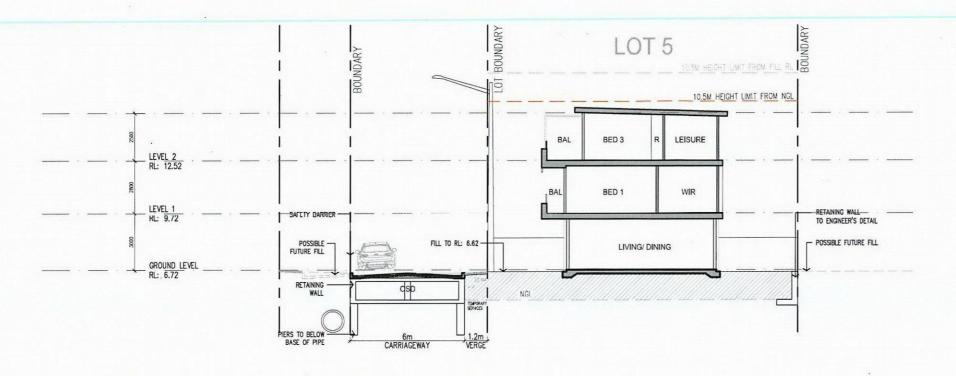


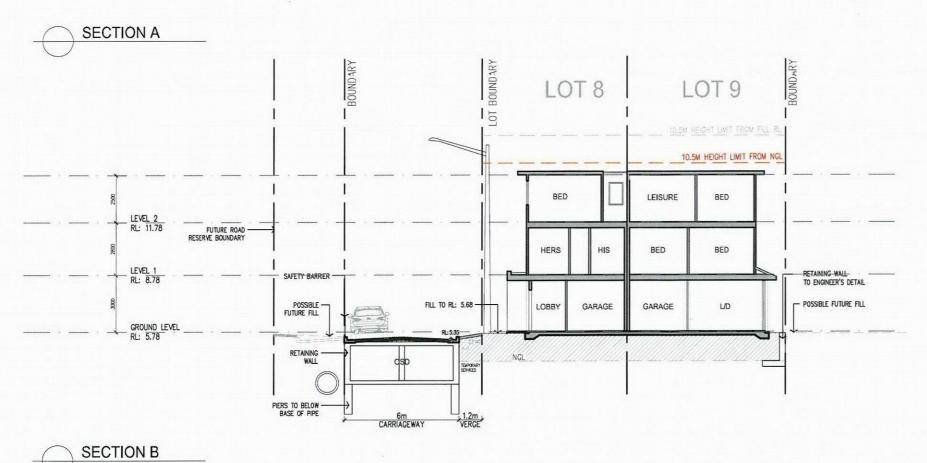
NOTE: THESE PLANS MUST BE READ IN CONJUNCTION WITH THE CONDITIONS OF DEVELOPMENT CONSENT.

THIS APPROVAL DOES NOT AUTHORISE ANY WORKS ON THE ADJACENT ROAD RESERVE OR ANY COUNCIL RESERVE.

V. DESCRIPTION	DATE REV.	DESCRIPTION	DATE	ADILWADDIEWOOD	CTEDUEN DOWERS ADOUTECTS	STEPHEN BOWERS ARCHITECTS	Address	^	Drawing Title	Scale 1:100(A1)/1:200(A3)	Date DEC 201
ISSUE FOR DEVELOPMENT APPLICATION	DEC 2015			ARH WARRIEWOOD	STEPHEN BOWERS ARCHITECTS	Reproduction or publication of the whole	SUMMARINE POSSESSA CONCURSAS AND	_ Gh			
10.5M HEIGHT LIMIT FROM NGL ADDED	MAY 2016			PTY LTD	ABN 64 087 958 423 REG ARCHITECT: STEPHEN BOWERS (5810)	or part of the drawing without a license of the owner of the copyright is an	53C WARRIEWOOD ROAD		LOT 3 - 9	Drawn by LN	Check by S.B
				111.515	SUITE 91 , 26-32 PIRRAMA ROAD, JONES BAY WHAPF PYRMONI NSW 2009 p 02 8212 9705 m 0414 780 650	Infringement of copyright. Do not scale drawings Verify all dimension on site	WARRIEWOOD NSW 2102		ELEVATIONS	Drawing No. DA-014	Revision A
					email: stephen.bowers@;tephenbowersarchitects.com www.stephenbowersarchitects.com	Report any discrepancies in documents to Architect	HOW ZIOZ			Cad file path.	



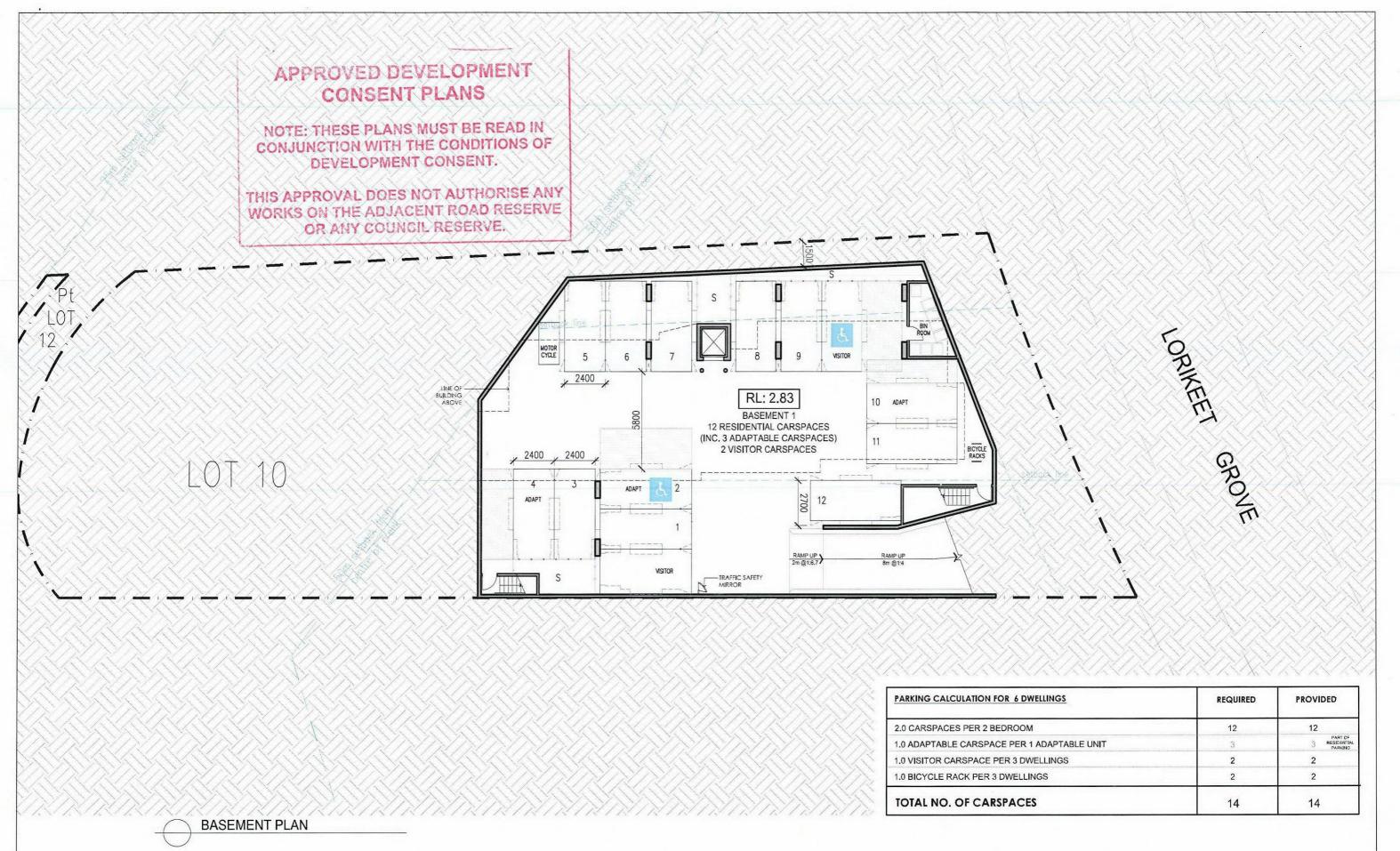




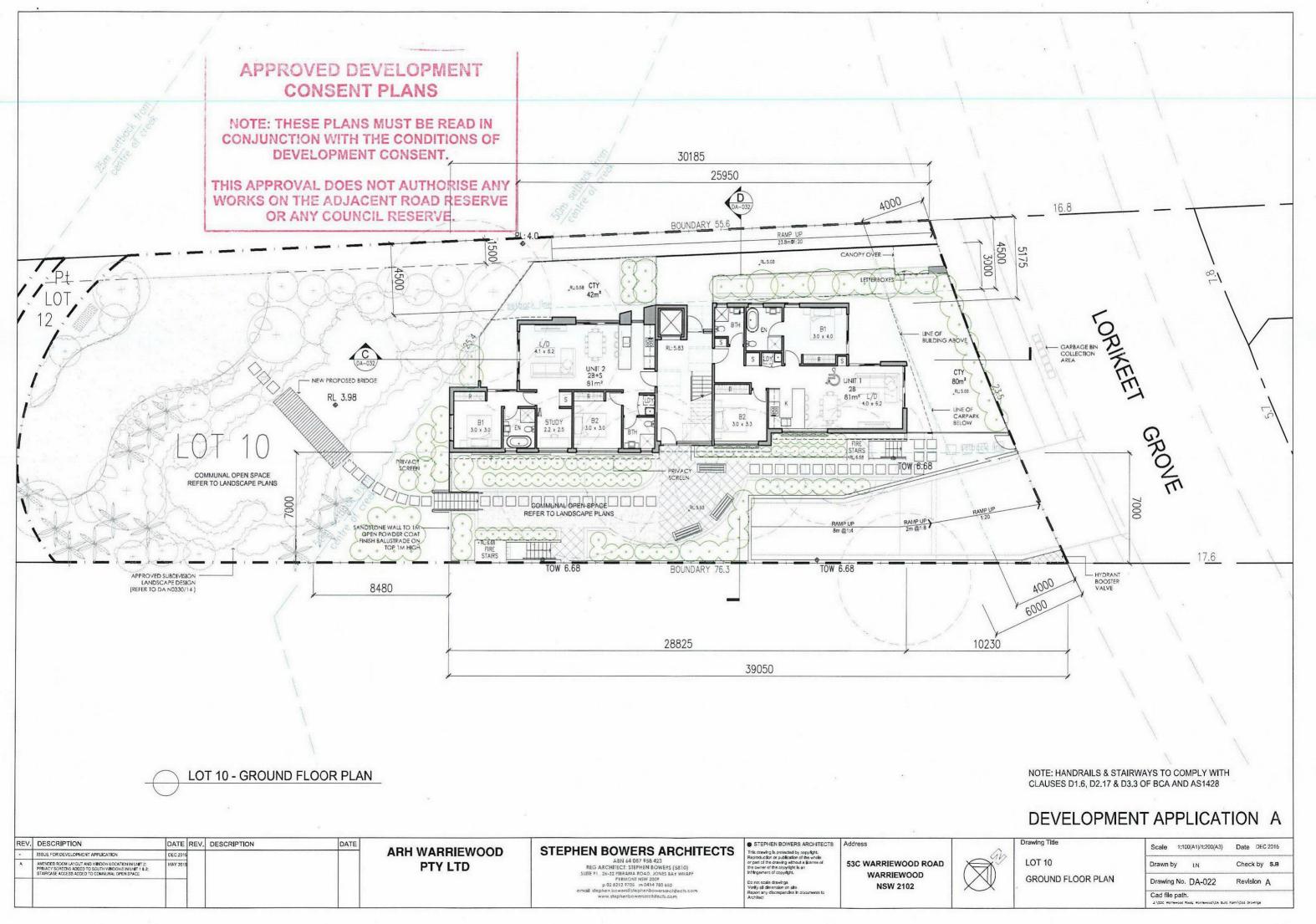
NOTE: THESE PLANS MUST BE READ IN CONJUNCTION WITH THE CONDITIONS OF DEVELOPMENT CONSENT.

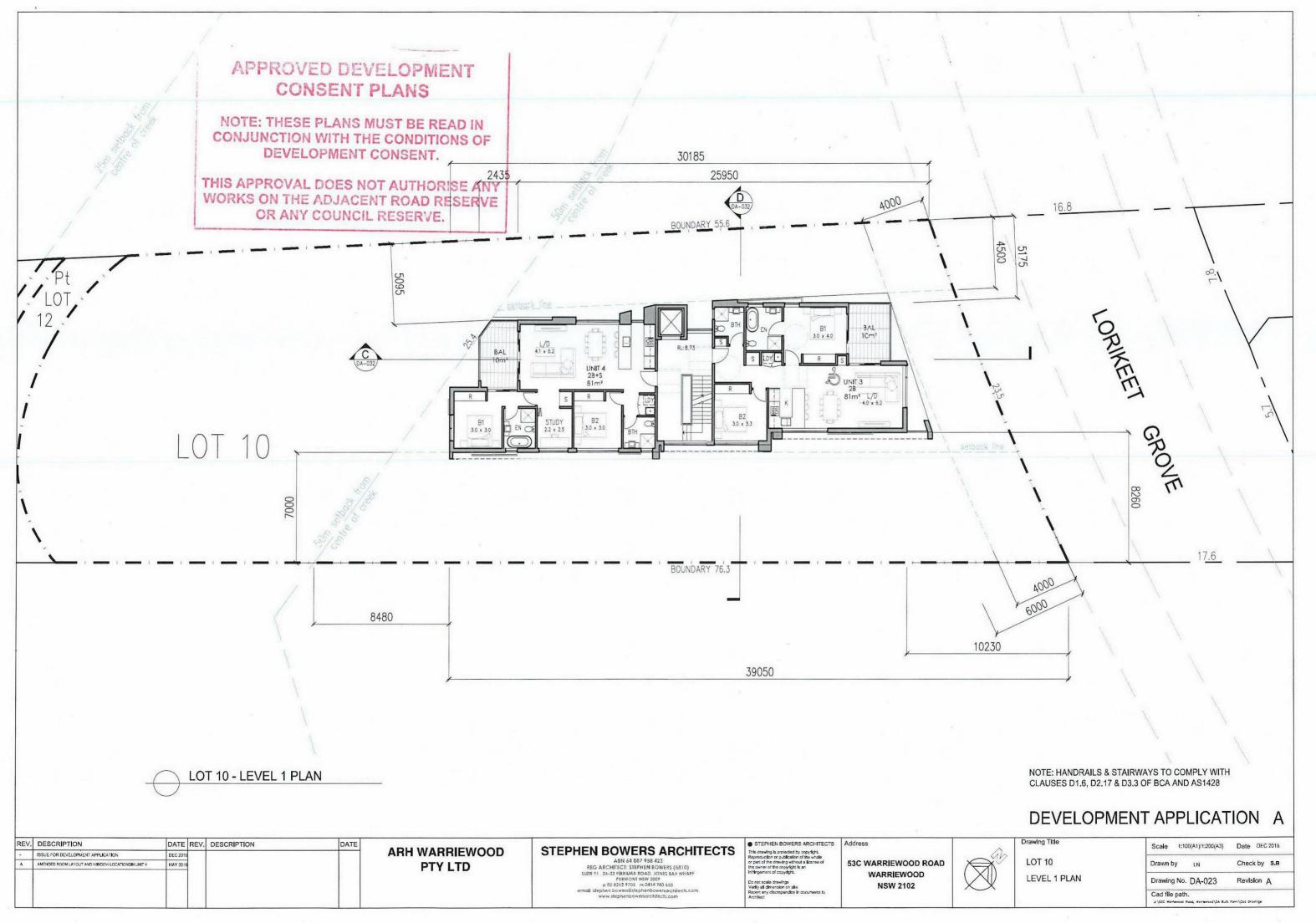
THIS APPROVAL DOES NOT AUTHORISE ANY WORKS ON THE ADJACENT ROAD RESERVE OR ANY COUNCIL RESERVE.

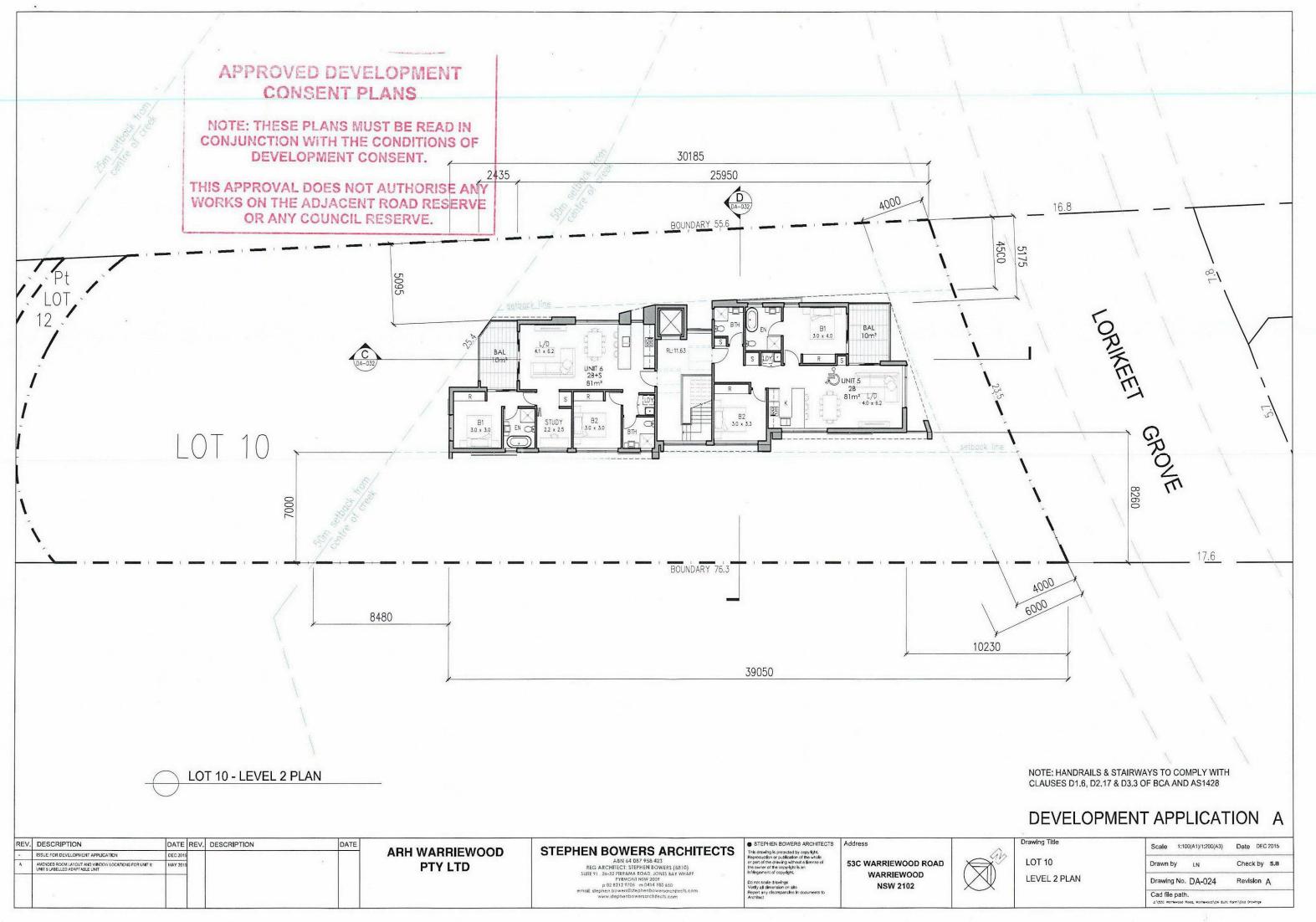
EV. D	DESCRIPTION	DATE REV.	DESCRIPTION	DATE		ATTENIES - DAVIETO	STEPHEN BOWERS ARCHITECTS	Address		Drawing Title	Scale 1:100(A1)/1:200(A3) Date DE
-	SSUE FOR DEVELOPMENT APPLICATION 10.5M HEIGHT LIMIT LINE FROM NGL ADDED	DEC 2015 MAY 2016			ARH WARRIEWOOD PTY LTD	STEPHEN BOWERS ARCHITECTS ABN 64 087 958 423 REG ARCHITECT: STEPHEN BOWERS (5810) SUITE 91, 26-32 PIRRAMA BOAD, JONES BAY WHAPF PHOWNON INSW 2009	This crawing is protected by copyright. Reproduction or publication of the whole or part of the drawing without a license of the owner of the copyright is an infringement of copyright.	53C WARRIEWOOD ROAD WARRIEWOOD	(X)	LOT 3 - 9 SECTIONS	Drawing No. DA-015 Revision
						p 02 8212 7905 m 0414 780 850 emoil: stephen.bowers@itsephenbowersachilects.com www.stephenbowersachilects.com	Do not scale drawings Verify all dimension on site Report any discrepancies in documents to Architect	NSW 2102	XX	deditorio	Drawing No. DA-015 Revision Cad file path.

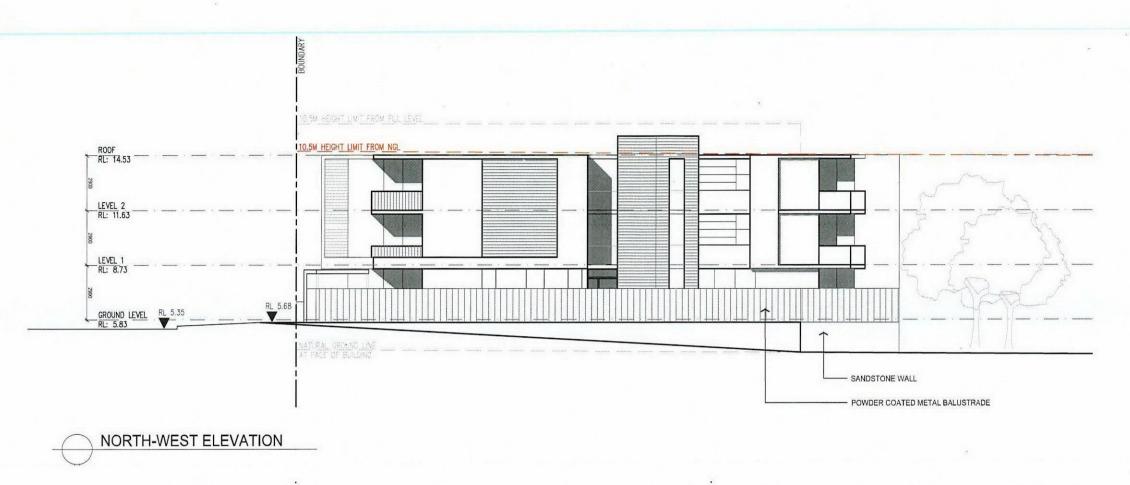


V. DESCRIPTION	DATE REV. DESCRIPTION	DATE	4 D. I. W. 4 D. D. I. W. 4 D. D.	CTEDUEN DOWERS ADOUTESTS	STEPHEN BOWERS ARCHITECTS	Address	^	Drawing Title	Scale 1:100(A1)/1:200(A3)	Date DEC 2015
ISSUE FOR DEVELOPMENT APPLICATION	DEC 2015		ARH WARRIEWOOD	STEPHEN BOWERS ARCHITECTS	Reproduction of publication of the whole		- Gh	5405454555		
ADDITIONAL MOTORCYCLE PARKING & BICYCLE RACK	MAY 2016		PTY LTD	ABN 64 087 958 423 REG ARCHITECT: STEPHEN BOWERS (5810)	or part of the drawing without a license of the owner of the copyright is an	53C WARRIEWOOD ROAD		BASEMENT PLAN	Drawn by LN	Check by S.B
				SUITE 91 , 26-32 PIRRAMA ROAD, JONES BAY WHARF PYRMONI NSW 2007 p 02 8212 9705 m 0414 780 650	Infringement of copyright. Do not scale drawings Verify all dimension on site	WARRIEWOOD NSW 2102			Drawing No. DA-021	Revision A
				email: slephen.bowers@stephenbowersarchijects.com www.slephenbowersarchijects.com	Report any discrepancies in documents to Architect				Cad file path.	Built Form\Cad Drawings









ROOF RL: 14.53 LEVEL 2 RL: 11.63 GROUND LEVEL RL: 5.83 FILL TO RL 5.68 FILL TO RL 5.68 NATURAL GROUND LINE RAMP FOR PUBLIC ACCESS TO CREEK

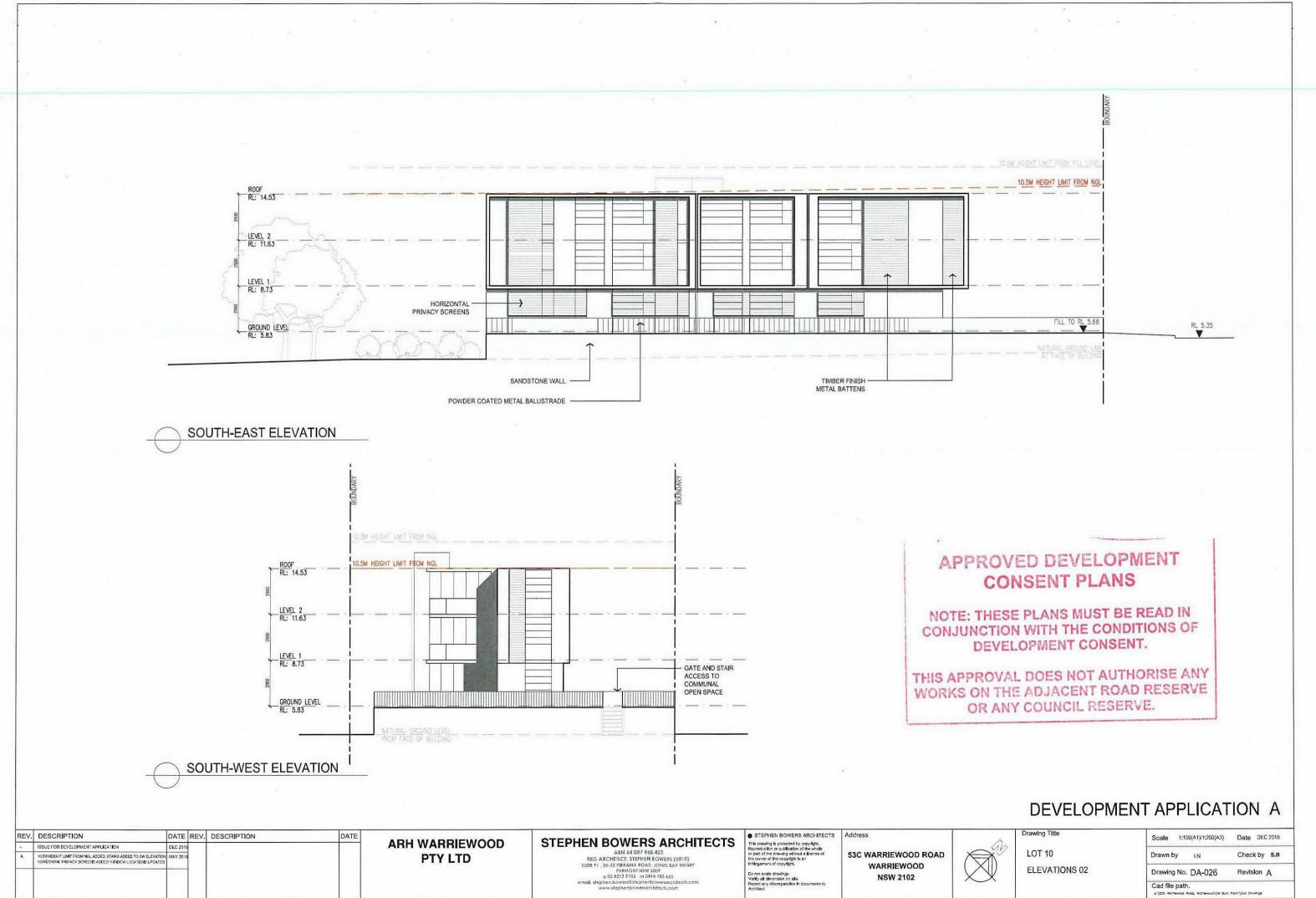
APPROVED DEVELOPMENT CONSENT PLANS

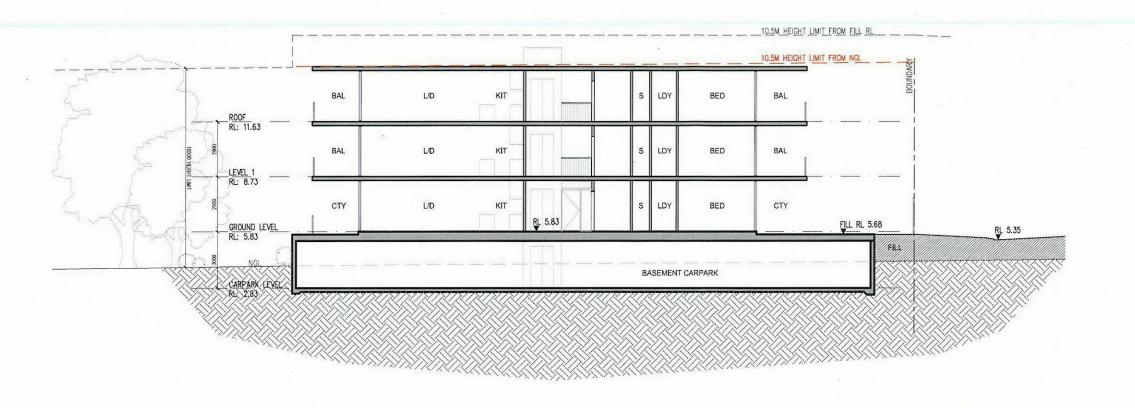
NOTE: THESE PLANS MUST BE READ IN CONJUNCTION WITH THE CONDITIONS OF DEVELOPMENT CONSENT.

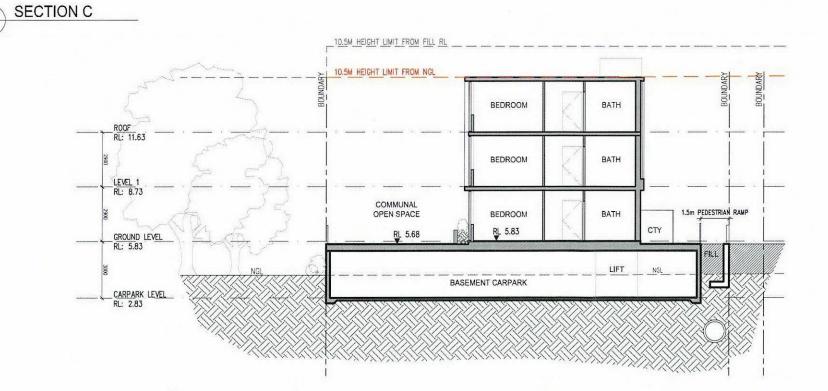
THIS APPROVAL DOES NOT AUTHORISE ANY WORKS ON THE ADJACENT ROAD RESERVE OR ANY COUNCIL RESERVE.

NORTH-EAST ELEVATION (FRONT BOUNDARY AT LORIKEET GROVE)

EV.	DESCRIPTION	DATE REV. DESC	CRIPTION DATE	A DUL WADDIEWOOD	STEPHEN BOWERS ARCHITECTS	STEPHEN BOWERS ARCHITECTS	Address	^	Drawing Title	Scale 1:100(A1)/1:200(A3)	Date DEC 2
	ISSUE FOR DEVELOPMENT APPLICATION	DEC 2015		ARH WARRIEWOOD		Reproduction or publication of the whole		- Gh	1.07.40		
	10,5M HEIGHT LIMIT LINE FROM NGL ADDED; GATED ENTRANCE AND RAMP NOTED	MAY 2016		PTY LTD	ABN 64 087 958 423 REG ARCHITECT: STEPHEN BOWERS (5810)	or part of the drawing without a license of the owner of the copyright is an	53C WARRIEWOOD ROAD		LOT 10	Drawn by LN	Check by
	GATED ENTRANCE AND ROMP NOTED				SUITE 91 , 26-32 PIRRAMA ROAD, JONES BAY WHAPF PYRMONI NSW 2009 p 02 8212 9705 m 0414 780 660	Infringement of copyright. Do not scale drawings Verify all dimension on site	WARRIEWOOD NSW 2102		ELEVATIONS 01	Drawing No. DA-025	Revision A
						Do not scale drawings Verify all dimension on site Report any discrepancies in documents to Architect	NSW 2102		ELEVATIONS 01	Cad file path.	25





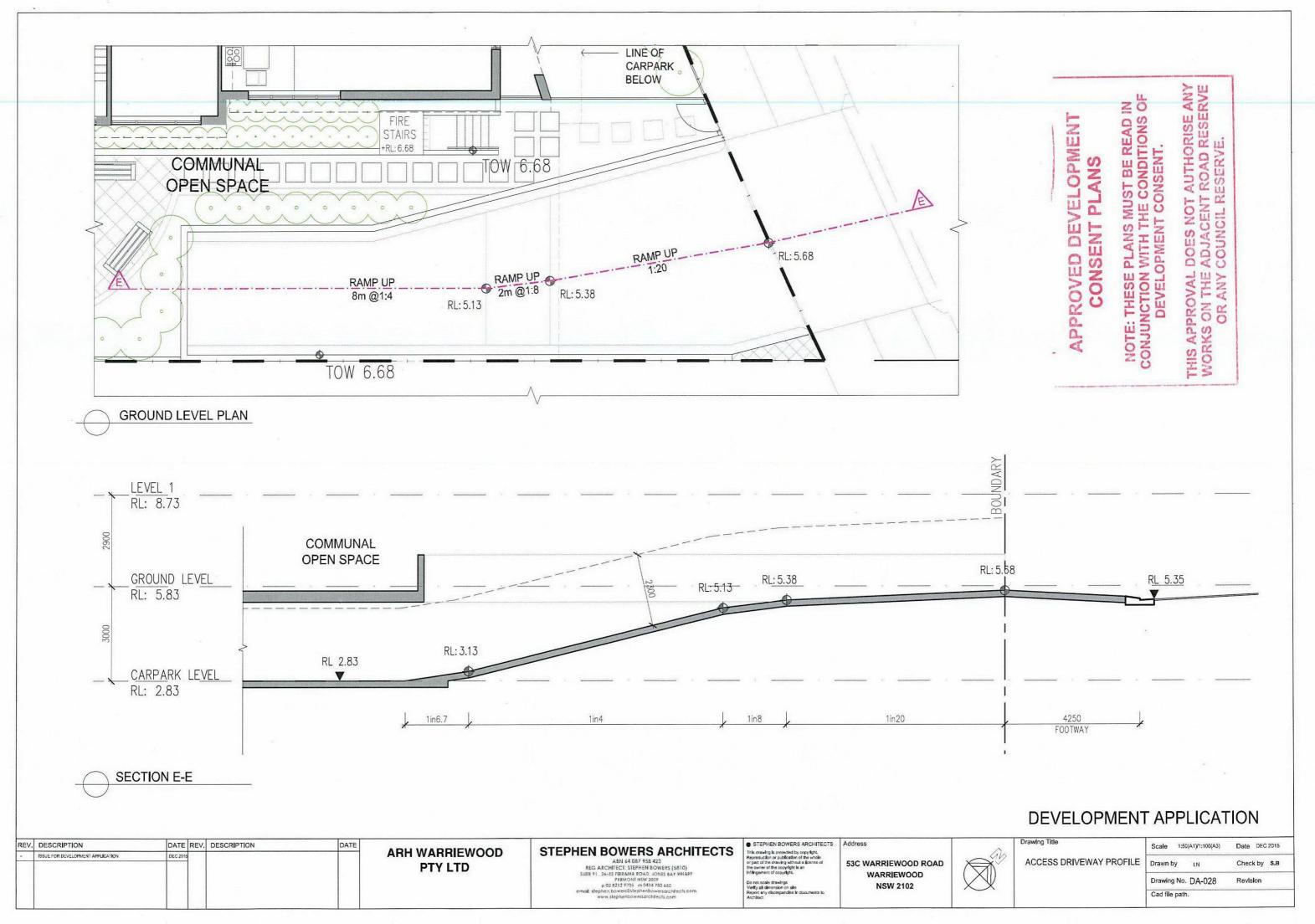


NOTE: THESE PLANS MUST BE READ IN CONJUNCTION WITH THE CONDITIONS OF DEVELOPMENT CONSENT.

THIS APPROVAL DOES NOT AUTHORISE ANY WORKS ON THE ADJACENT ROAD RESERVE OR ANY COUNCIL RESERVE.

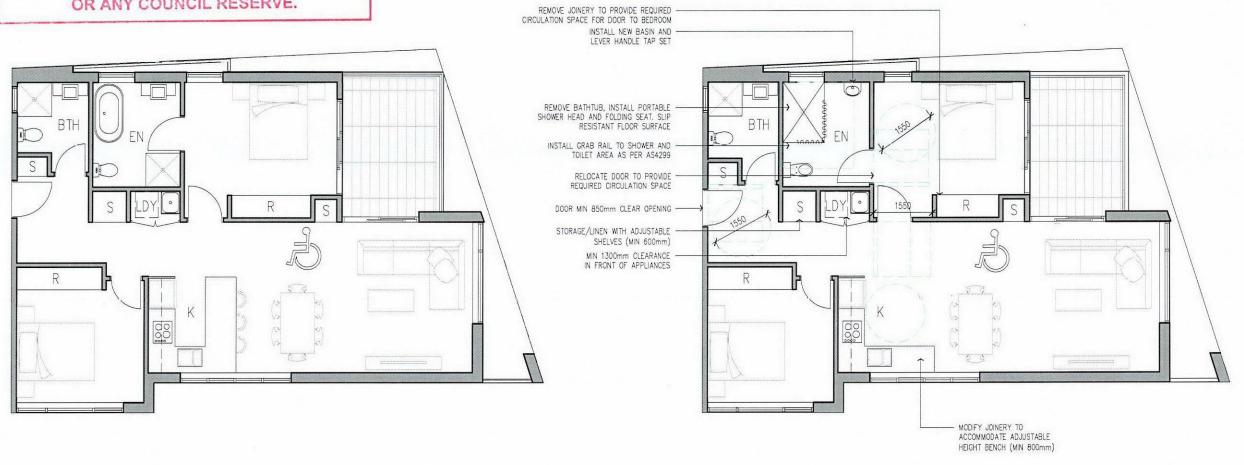
SECTION D

DESCRIPTION	DATE REV. DESCRIPTION	DATE	A DULWA DDIEWOOD	STEPHEN BOWERS ARCHITECTS	STEPHEN BOWERS ARCHITECTS	Address	^	Drawing Title	Scale 1:100(A1)/1:200(A3) Date
ISSUE FOR DEVELOPMENT APPLICATION 10,5M HEIGHT LIMIT LINE FROM NGL ADDED	DEC 2015 MAY 2016		ARH WARRIEWOOD PTY LTD	ABN 64 087 958 423 REG ARCHITECT: STEPHEN BOWERS (5810) SUITE 91 . 26-32 PIRRAMA ROAD, JONES BAY WHARF FYRMONIT NEW 2009 p. 02 8212 7975 m 0414 780 650	This drawing is protected by copyright. Reproducion or publication of the whole or part of the drawing without a license of the owner of the copyright is an infringement of copyright. Do not scale drawings.	53C WARRIEWOOD ROAD WARRIEWOOD NSW 2102	Silv.	LOT 10 SECTIONS	Drawn by LN Check Drawing No. DA-027 Revision



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PRE-ADAPTED LAYOUT
UNIT 1, 3 & 5

POST-ADAPTED LAYOUT

V. DESCRIPTION	DATE REV. DESCRIPTION	DATE	ADULWADDIEWOOD	CTERUEN ROWERS ARCHITECTS	STEPHEN BOWERS ARCHITECTS	Address	^	Drawing Title	Scale 1:50(A1)/1:100(A3)	Date DEC 2015
ISSUE FOR DEVELOPMENT APPLICATION	DEC 2015		ARH WARRIEWOOD	STEPHEN BOWERS ARCHITECTS	This drawing is protected by copyright. Reproduction or publication of the whole		- 4h			
UNIT 5 LABELLED ADAPTABLE UNIT	MAY 2016		PTY LTD	ABN 64 087 958 423 REG ARCHITECT: STEPHEN BOWERS (5810)	or part of the drawing without a license of the owner of the copyright is an	53C WARRIEWOOD ROAD		ADAPTABLE UNIT LAYOUT	Drawn by LN	Check by S.B
				SUITE 91 , 26-32 PIRRAMA ROAD , IONES BAY WHAPF PYRMONI NSW 2009 p 02 8212 9705 m 0414 780 650	Infringement of copyright. Do not scale drawings Verify all dimension on site	WARRIEWOOD NSW 2102			Drawing No. DA-029	Revision A
				email: stephen.bowers@stephenbowers.architects.com www.stephenbowers.architects.com	Report any discrepancies in documents to Architect				Cad file path.	***************************************



G G H NORKS ON THE ADJACEN 10.5M HEIGHT LINIT FROM NGL CONSENDEDLAMS COUNCIL RESERVE. LOT 8 LOT 9 SOUTH-WEST ELEVATION (LORIKEET GROVE ELEVATION) LEVEL 2 RL: 11.92 EVIL 1 RL 9.12 LEVEL 1 RL: 9.12 SOUND LEVEL GROUND LEVEL LOT 9 LOT 8 QZ NORTH-EAST ELEVATION

- B ALL WINDOW MULLIONS
 Dulux Powder Coat 'Woodland Grey CB20'
- C ALL WHITES
 Dulux Colour 'Peplum PN1H2'
- D RENDER & PAINT Dulux Colour 'Namadji PG1F8'
- (E) TIMBER FINISH GARAGE DOORS
- F RENDER & PAINT
 Dulux Colour 'Endless Dusk PG1F3'
- G RENDER & PAINT
 Dulux Colour 'Western Myall PG1F7'
- H POWDERED METAL BATTENS
 Dulux Powdercoat 'Black Ace 9069116F'
- RENDER & PAINT
 Dulux Colour 'Timeless Grey PG1F4'
- J TIMBER FINISH ENTRANCE DOORS

REV.	DESCRIPTION	DATE RE	V. DESCRIPTION	DATE			STEPHEN BOWERS ARCHITECTS	Address		Drawing Title	Scale 1:100(A1)/1:200(A3)	Date DEC 2015
-	ISSUE FOR DEVELOPMENT APPLICATION	DEC 2019			ARH WARRIEWOOD	STEPHEN BOWERS ARCHITECTS	Hisbudging of breaching at the whole		- ab			
A	10 5M HEIGHT LIMIT FROM NGL ADDED	MAY 2016			PTY LTD	REG ARCHITECT: STEPHEN BOWERS (5810)	or part of the drawing without a license of the owner of the copyright is an	53C WARRIEWOOD ROAD		MATERIALS & FINISHES 01	Drawn by LN	Check by S.B
						SUITE 91 . 26-32 PIRRAMA ROAD JONES BAY WHARF PYRMONT NSW 2009 p 02 8212 9705 m 0414 780 650	infringement of copyright. Do not scale drawings Verify all disversion on site	WARRIEWOOD NSW 2102		MATERIALS & FINISHES OF	Drawing No. MF-01	Revision A
						email: stephen bowersitstephen bowers architects.com www.stephen bowers architects.com	Report any discrepancies in documents to Architect		, _ ,		Cad file path.	



SOUTH-EAST ELEVATION

APPROVED DEVELOPMENT CONSENT PLANS

MOTE: THESE PLANS MUST BE READ IN CONJUNCTION WITH THE CONDITIONS OF DEVELOPMENT CONSENT.

THIS APPROVAL DOES NOT AUTHORISE ANY WORKS ON THE ADJACENT ROAD RESERVE OR ANY COUNCIL RESERVE.

LEGEND

- A RENDER & PAINT
 Dulux Colour 'Western Myall PG1F7'
- B RENDER & PAINT Dulux Colour 'Timeless Grey PG1F4'
- C RENDER & PAINT Dulux Colour 'Namadji PG1F8'
- D RENDER & PAINT
 Dulux Colour 'Teahouse PG1F6'

DEVELOPMENT APPLICATION A

Drawing Title REV. DESCRIPTION DATE REV. DESCRIPTION STEPHEN BOWERS ARCHITECTS DATE 1:100(A1)/1:200(A3) Date DEC 2015 STEPHEN BOWERS ARCHITECTS **ARH WARRIEWOOD** This drawing is protected by copyright. Reproduction or publication of the whole or part of the drawing without a scorise of the owner of the copyright is an infringement of copyright. ISSUE FOR DEVELOPMENT APPLICATION ABN 64 087 958 423
REG ARCHITECT: STEPHEN BOWERS (5810)
SUITE 91, 26-32 PIRRAMA ROAD, JONES BAY WHARI 53C WARRIEWOOD ROAD Check by S.B **PTY LTD** Drawn by MATERIALS & FINISHES 02 WARRIEWOOD PYRMONT NSW 2009 p 02 8212 9705 m 0414 780 650 Drawing No. MF-02 Revision A **NSW 2102** Cad file path.



LEGEND

- A RENDER & PAINT
 Dulux Colour 'Ticking PG1A7'
- B) TIMBER FINISH BATTENS
- C WINDOW MULLIONS
 Dulux Powdercoat 'Black Ace 9069116F'
- D RENDER & PAINT
 Dulux Colour 'Simone Weil PG1A4'
- E RENDER & PAINT
 Dulux Colour 'Peplum PN1H2'
- BALUSTRADES
 Dulux Powdercoat 'Black Ace 9069116F'

NORTH-EAST ELEVATION (FRONT BOUNDARY AT LORIKEET GROVE)

ROOF RL: 14.53

LEVEL 2 RL: 11.63

GROUND LEVEL RL: 5.83

(E)(A)

(c)

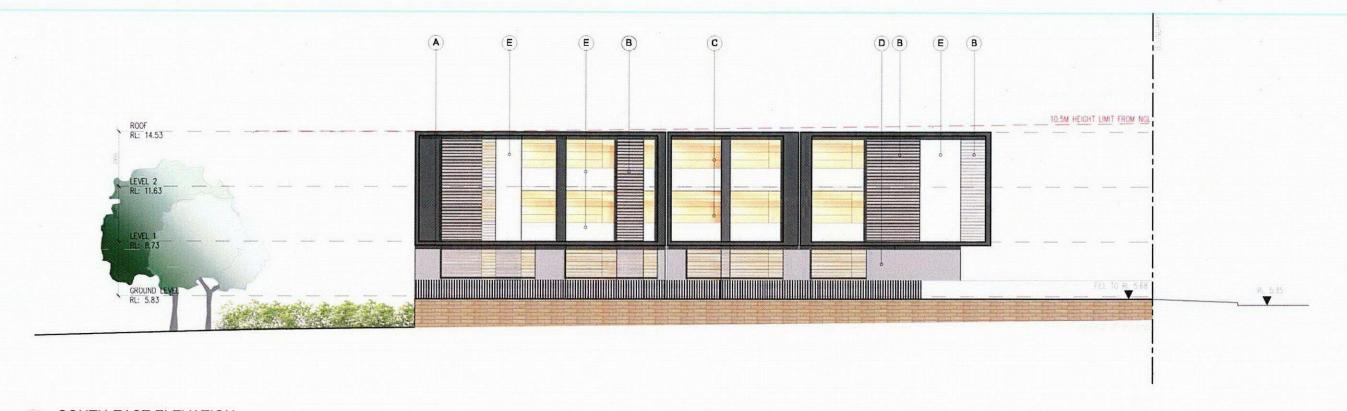
(B) (F)

DEVELOPMENT APPLICATION A

EV.	DESCRIPTION	DATE REV. DESCRIPTION	DATE	ARH WARRIEWOOD	STEPHEN BOWERS ARCHITECTS	STEPHEN BOWERS ARCHITECTS The Granes is protected by consists.	Address	^	Drawing Title	Scale 1:100(A1)/1:200(A3)	Date DEC 2015
	ISSUE FOR DEVELOPMENT APPLICATION	DEC 2015		ANN WANNIEWOOD	A8N 64 087 958 423	Reproduction or publication of the whole		- 910			U
•	10 5M HEIGHT LIMIT LINE FROM NGL ADDED: GATED ENTRANCE AND RAMP NOTED	MAY 2016		PTY LTD	REG ARCHITECT: STPHEN BOWERS (5810) SUITE 91 26-32 PIRRAMA ROAD JONES BAY WHARF	or part of the drawing without a license of the owner of the copyright is an infringement of copyright.	53C WARRIEWOOD ROAD		MATERIALS & FINISHES 03	Drawn by LN	Check by S.B
					PYRMONT NSW 2009 p: 02 8212 9705 m 0414 780 650	Do not scale drawings Venty at dimension on site	WARRIEWOOD NSW 2102	\times Ψ	MATERIALS & FINISHES 05	Drawing No. MF-03	Revision A
					email: stephen.bowers@stephenbowersarchitects.com. www.stephenbowersarchitects.com	Report any discrepancies in documents to Architect	1			Cad file path.	

FRONT ENTRANCE TO BUILDING WITH CANOPY ABOVE

RAMP FOR PUBLIC ACCESS TO CREEK







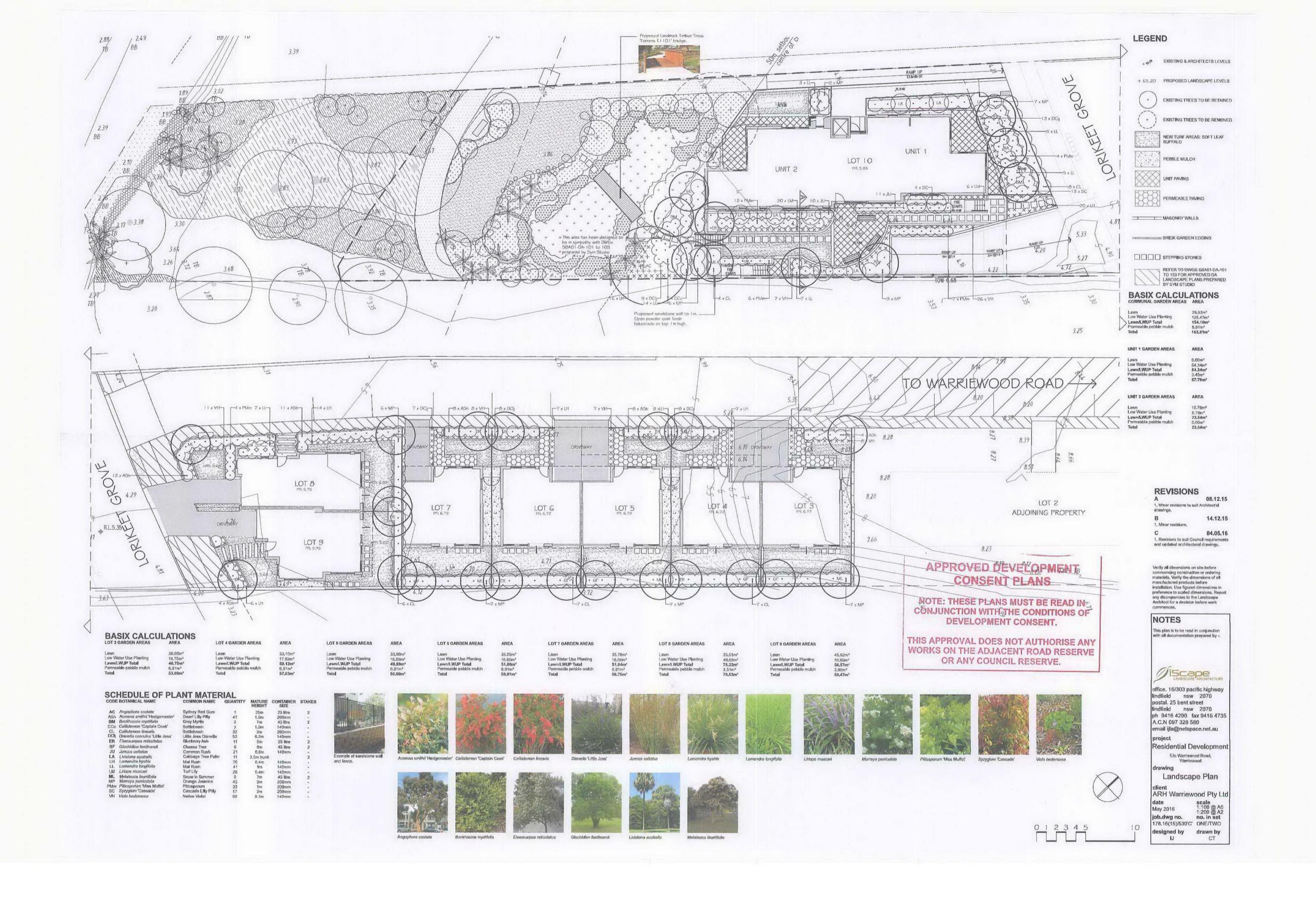
APPROVED DEVELOPMENT CONSENT PLANS NOTE: THESE PLANS MUST BE READ IN CONJUNCTION WITH THE CONDITIONS OF DEVELOPMENT CONSENT.

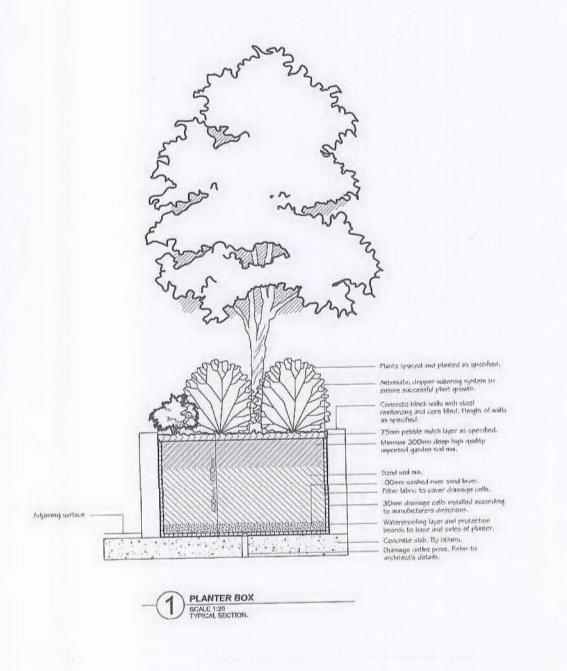
THIS APPROVAL DOES NOT AUTHORISE ANY WORKS ON THE ADJACENT ROAD RESERVE OR ANY COUNCIL RESERVE.

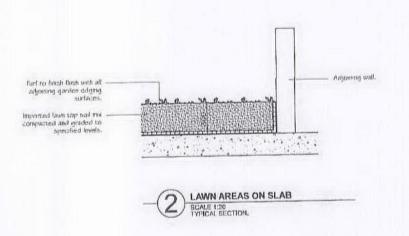
LEGEND

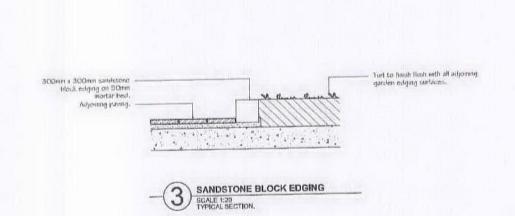
- A RENDER & PAINT
 Dulux Colour 'Ticking PG1A7'
- B TIMBER FINISH BATTENS
- © WINDOW MULLIONS
 Dulux Powdercoat 'Black Ace 9069116F'
- D RENDER & PAINT
 Dulux Colour 'Simone Weil PG1A4'
- E RENDER & PAINT
 Dulux Colour 'Peplum PN1H2'
- BALUSTRADES
 Dulux Powdercoat 'Black Ace 9069116F'

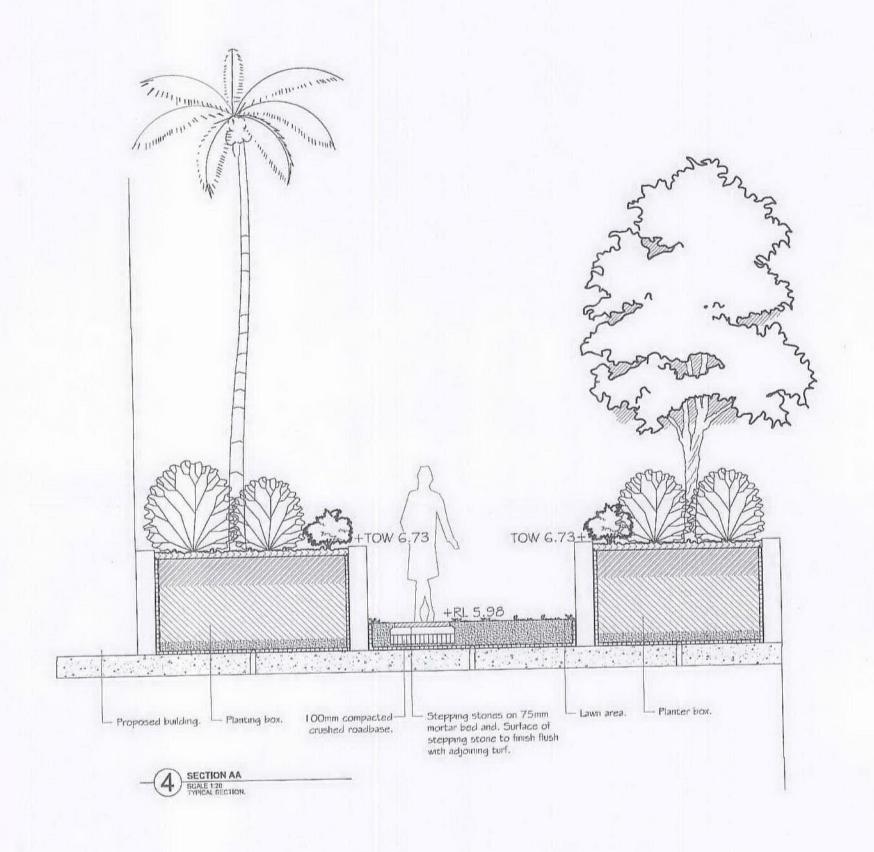
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	ISSUE FOR DEVELOPMENT APPLICATION	DEC 2015			ARH WARRIEWOOD		This drawing is protected by copyright Reproduction or publication of the whole		_ Gb			
	10 SM HEIGHT LINT FROM NGL ADDED, STAIRS ADDED TO SIX ELEVATION HORIZONTAL PRIVACY SCREENS ADDED, WINDOW LOCATIONS LIPOATED	MAY 2016	and the same of th		PTY LTD	ABN 64 087 959 423 REG ARCHITECT: STEPHEN BOWERS (5810) SUITE 91 28-32 PIRRAMA ROAD, JONES BAY WHARF	or part of the drawing without a license of the owner of the copyright is an infringement of copyright.	53C WARRIEWOOD ROAD	A	MATERIALS & FINISHES 04	Drawn by EN	Check by S.B
			- Commission of the Commission			PYRMONT NSW 2009 p 02 8212 9705 m 0414 780 650	Do not scale draweligs Verify all dimension on site	WARRIEWOOD NSW 2102	VW.	INATERIALS & FINISHES 04	Drawing No. MF-0	Revision A
			The state of the s			email: stephen.bowersdstephen.bowersarchitects.com www.stephen.bowersarchitects.com	Report any discrepancies in occurrents to Architect				Cad file path.	











NOTE: THESE PLANS MUST BE READ IN CONJUNCTION WITH THE CONDITIONS OF DEVELOPMENT CONSENT.

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Verify all dimensions on site before commencing construction or ordering materials. Verify the dimensions of all manufactured products before installation. Use figured dimensions in preference to scaled dimensions. Report any discrepancies to the Landscape Architect for a decision before work commences.

NOTES

This plan is to be read in conjunction with all documentation prepared by -.

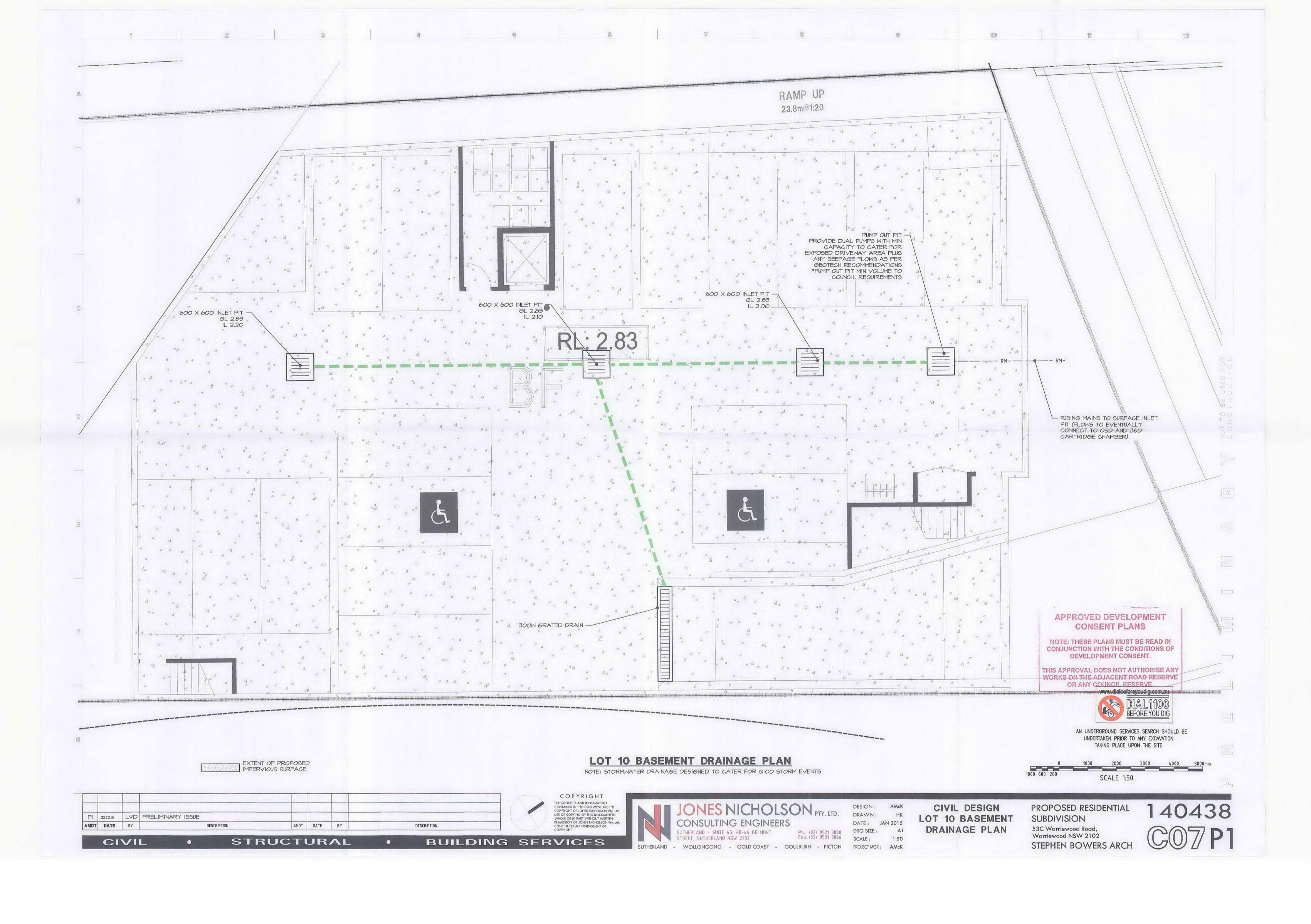
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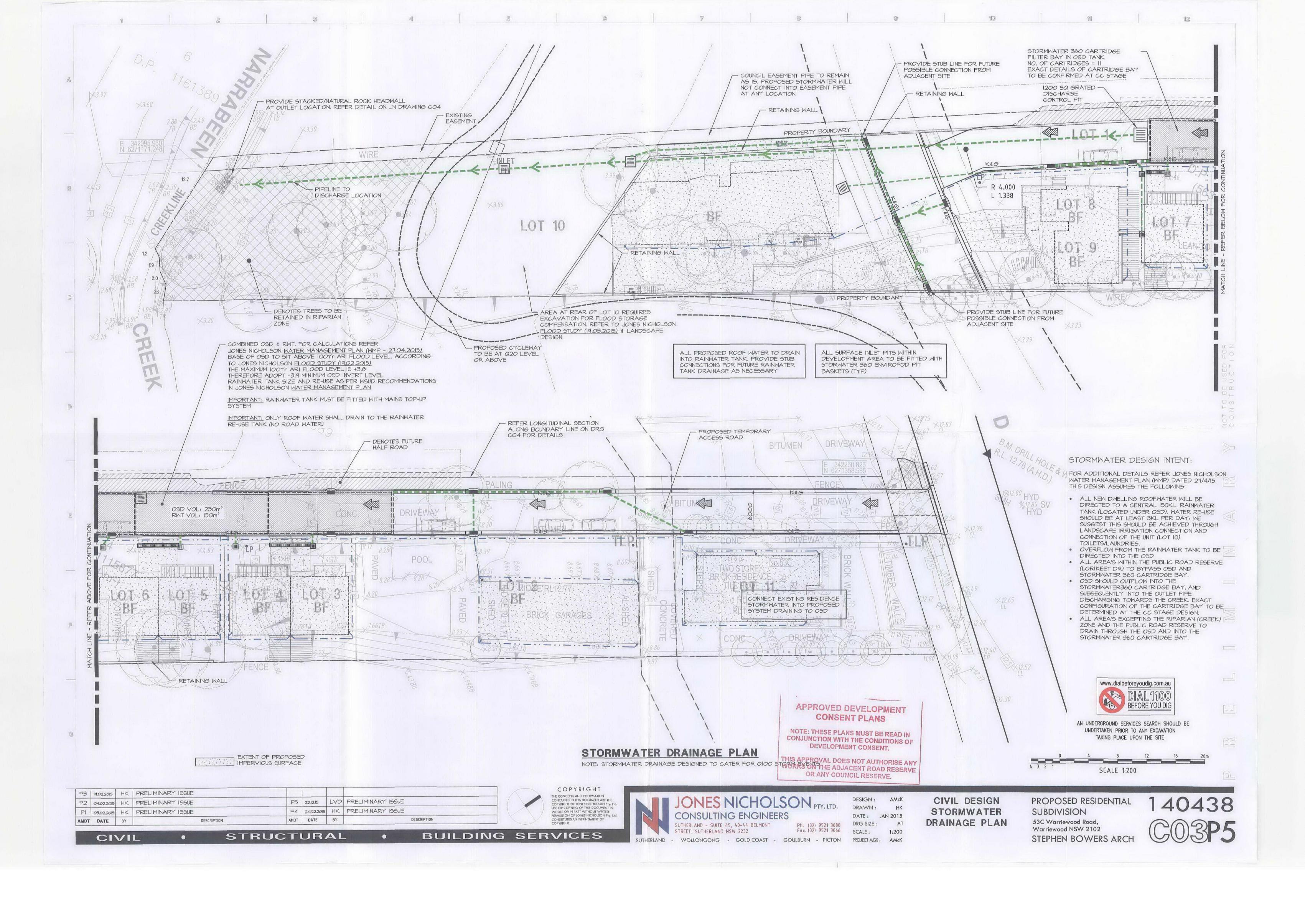
office. 16/303 pacific highway lindfield new 2070 postal. 25 bent street lindfield new 2070 ph 9416 4290 fax 9416 4735 A.C.N 097 328 580 email ijla@netspace.net.au

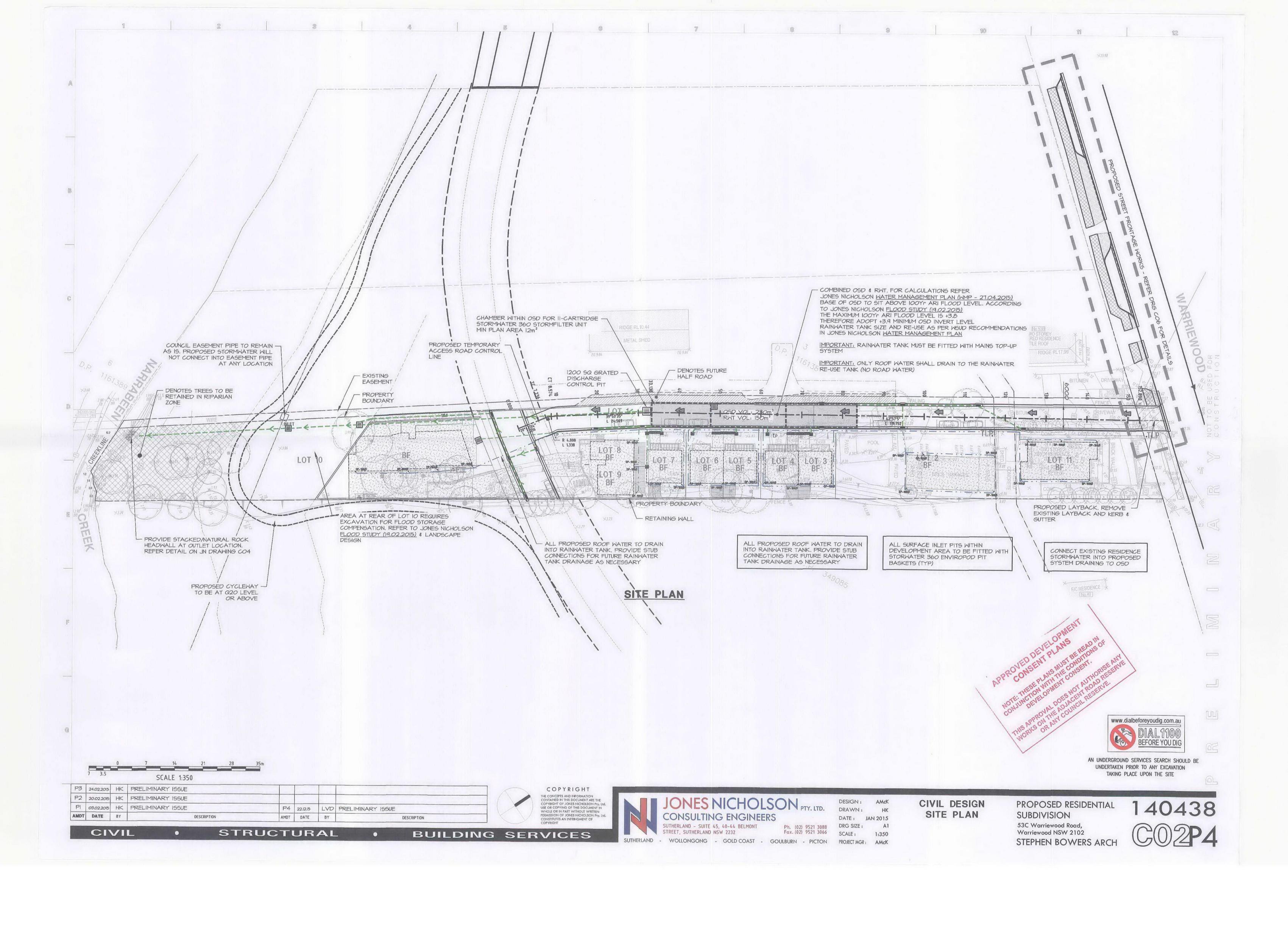
project Residential Development 53c Warriewood Road, Warriewood

drawing Details

client
ARH Warriewood Pty Ltd
date
May 2016
Job.dwg no.
1:200 @ A0
1:200 @ A2
Job.dwg no.
1:8.16(15)/164
TWO/TWO
designed by
JJ
CT







PROPOSED RESIDENTIAL SUBDIVISION

53C WARRIEWOOD ROAD WARRIEWOOD NSW 2102

STANDARD SYMBOLS & NOTATIONS DESCRIPTION SYMBOL BOUNDARY LINE ____ PROPOSED STORMWATER DRAINAGE LINE (IN THE GROUND) Φ100 @ 1.0% MIN GRADE UNO. PROPOSED RAINWATER DRAINAGE LINE \$100 @ 1.0% MIN GRADE UNO. USE PRESSURE GRADE PIPES FOR CHARGED EXISTING STORMWATER DRAINAGE PIT AND PIPE ____ - RM-PUMP RISING MAIN 900 SUBSOIL LINE CONNECT TO STORMWATER OUTLET OR VERTICAL SLOT DRAIN GRAVEL DISH DRAIN AROUND EXTERNAL WALLS GRAVEL DISH_DRAIN _ CONNECTED TO STORMWATER DRAINAGE WITH 904 PIPES SPOON / SWALE DRAIN GRATED SURFACE INLET PIT. PIT DIMENSIONS ARE GOVERNED BY DEPTH REFER DETAIL SEALED JUNCTION PIT GRATED DRAIN KERB INLET PIT WITH LINTEL RWO RAINWATER DRAINAGE OUTLET 22m2R-> CATCHMENT AREA TO STORMWATER PIT <44m2P PO DRAINAGE CELL PLANTER OUTLET ODP-100Ø INDICATIVE DOWNPIPE - LOCATION AND MINIMUM SIZE RHO DOWNPIPE WITH RAINWATER HEAD OVERFLOW SHO ___ DOWNPIPE WITH SUMP HIGH CAPACITY OVERFLOW SSO TH DOWNPIPE WITH SUMP-SIDE OVERFLOW 100 INSPECTION OPENING VD-150Ø ---VERTICAL DROP IN STORMWATER LINE (FROM ABOVE) VD-150Ø ---VERTICAL DROP IN STORMWATER LINE (TO BELOW) DPS O DOWNPIPES WITH SPREADER RWT PROPOSED RAINWATER TANK EXISTING SURFACE LEVEL EXISTING SURVEY CONTOUR *RL35.40 FINISHED SURFACE LEVEL #P35.85 FINISHED PAVEMENT LEVEL # TK35.55 TOP OF NEW KERB LEVEL # TOM35.55 TOP OF NEW RETAINING WALL LEVEL GL 35.05 PROPOSED PIT SURFACE LEVEL PROPOSED PIT INVERT LEVEL IL 34.75 FFL23.56 PROPOSED FINISHED FLOOR LEVEL 2250 UPVC @ 1.0% MIN PIPE SIZE, TYPE AND GRADE UPVC RIGID PVC PIPE REINFORCED CONCRETE PIPE RCP K&G KERB # GUTTER RKG ROLL KERB & GUTTER 150 KO 150 HIGH KERB ONLY OVERFLOW SLOTS - LOCATION TO BE COORDINATED OF WITH ARCHITECT OVERLAND FLOW PATH FALL DIRECTION FALL FALL TOW (X.XXm) RETAINING WALL WITH HEIGHT 11111111111 --- S --- S -- EXISTING SEWER LINE ---- T ---- T --- EXISTING TELSTRA LINE --- G --- G - EXISTING GAS LINE EXISTING ELECTRICITY LINE ---- E ---- E --- EXISTING WATER MAIN ____ W ___ W _

ALL EXISTING LEVELS TO BE CONFIRMED ON SITE PRIOR TO COMMENCEMENT OF WORKS.

GRAVEL ABSORPTION TRENCH

DEPTH AND LOCATION OF ALL EXISTING SERVICES TO BE CONFIRMED BY BUILDER ON SITE PRIOR TO COMMENCEMENT OF CONSTRUCTION.

GENERAL

- 1. ALL WORKS SHALL BE CARRIED DUT IN ACCORDANCE WITH THE NOMINATED OR APPLICABLE COUNCIL SPECIFICATION, WHERE A SPECIFICATION HAS NOT BEEN NOMINATED THEN THE CURRENT NSW DEPARTMENT OF HOUSING CONSTRUCTION SPECIFICATION IS TO BE USED. THE
- NOMINATED SPECIFICATION SHALL TAKE PRECEDENCE TO THESE NOTES .. 2. ALL DRAWINGS SHOULD BE READ IN CONJUNCTION WITH THE RELEVANT ARCHITECTURAL DRAWINGS & DRAWINGS FROM OTHER CONSULTANTS.
- 3. THE CONTRACTOR SHOULD REPORT ANY DISCREPANCIES ON THE DRAWINGS TO THE ENGINEER RESPONSIBLE FOR THE DESIGN. 4. THE CONTRACTOR SHOULD LOCATE AND LEVEL ALL EXISTING SERVICES PRIOR TO COMMENCING CONSTRUCTION AND PROTECT AND MAKE ARRANGEMENTS WITH THE RELEVANT AUTHORITY TO
- RESPECT TO SERVICES IS FOR GUIDANCE ONLY AND IS NOT GUARANTEED COMPLETE NOR 5. CONTRACTOR IS NOT TO ENTER UPON NOR DO ANY WORK WITHIN ADJACENT LANDS WITHOUT

RELOCATE AND/OR ADJUST IF NECESSARY. INFORMATION GIVEN ON THE DRAWINGS IN

- THE PERMISSION OF THE OWNER. 6. SURPLUS EXCAVATED MATERIAL SHALL BE PLACED WHERE DIRECTED OR REMOVED FROM
- 7. ALL NEW WORKS SHALL MAKE A SMOOTH JUNCTION WITH EXISTING. 8. ALL DRAINAGE LINES THOUGH ADJACENT LOTS SHALL BE CONTAINED WITHIN EASEMENTS CONFORMING TO COUNCIL'S STANDARDS. 9. THE CONTRACTOR SHALL CLEAR THE SITE BY REMOVING ALL RUBBISH, FENCES AND DEBRIS
- ETC. TO THE EXTENT SPECIFIED. 10. PRIOR TO COMMENCEMENT OF WORK, THE CONTRACTOR SHALL PROVIDE A TRAFFIC MANAGEMENT PLAN PREPARED BY AN ACCREDITED PERSON IN ACCORDANCE WITH RTA REQUIREMENTS, FOR ANY WORK ON OR ADJACENT TO PUBLIC ROADS, PLAN TO BE

SURVEY

SUBMITTED TO COUNCIL & RTA.

- 1. JONES NICHOLSON IS NOT RESPONSIBLE FOR THE ACCURACY OF ANY SURVEY INFORMATION PROVIDED ON THIS DRAWING.
- ALL LEVELS ARE TO A.H.D. ALL CHAINAGES AND LEVELS ARE IN METRES, AND DIMENSIONS IN MILLIMETRES.
- THE SURVEY INFORMATION ON THIS DRAWING HAS BEEN PROVIDED BY 5. CONTRACTORS SHALL ARRANGE FOR THE WORKS TO BE SET OUT BY A REGISTERED SURVEYOR.

EARTHWORKS

- 2. OVER FULL AREA OF EARTHWORKS, CLEAR VEGETATION, RUBBISH, SLABS ETC. AND STRIP
- TOP SOIL, AVERAGE 200mm THICK, REMOVE FROM SITE, EXCEPT TOP SOIL FOR RE-USE. CUT AND FILL OVER THE SITE TO LEVELS REQUIRED.
- PRIOR TO ANY FILLING IN AREAS OF CUT OR IN EXISTING GROUND, PROOF ROLL THE EXPOSED SURFACE WITH A ROLLER OF MINIMUM WEIGHT OF 5 TONNES WITH A MINIMUM OF 10

1. PROVIDE PROTECTION BARRIERS TO PROTECTED/SENSITIVE AREAS PRIOR TO ANY BULK

- 5. EXCAVATE AND REMOVE ANY SOFT SPOTS ENCOUNTERED DURING PROOF ROLLING AND REPLACE WITH APPROVED FILL COMPACTED IN LAYERS. THE WHOLE OF THE EXPOSED SUBGRADE AND FILL SHALL BE COMPACTED TO 98% STANDARD MAXIMUM DRY DENSITY AT OPTIMUM MOISTURE CONTENT ± 2%.
- 6. FOR ON SITE FILLING AREAS, THE CONTRACTOR SHALL TAKE LEVELS OF EXISTING SURFACE AFTER STRIPPING TOPSOIL AND PRIOR TO COMMENCING FILL OPERATIONS. WHERE HARD ROCK IS EXPOSED IN THE EXCAVATED SUB-GRADE, THIS WILL BE INSPECTED AND A DECISION MADE ON THE LEVEL TO WHICH EXCAVATION IS TAKEN.
- 8. FILL IN 200mm MAXIMUM (LOOSE THICKNESS) LAYERS TO UNDERSIDE OF BASECOURSE USING THE EXCAVATED MATERIAL AND COMPACTED TO 98% STANDARD (AS 1289 5.1.1). MAXIMUM DRY DENSITY AT OPTIMUM MOISTURE CONTENT ± 2% SHOULD THERE BE INSUFFICIENT MATERIAL FROM SITE EXCAVATIONS, IMPORT AS NECESSARY CLEAN GRANULAR FILL TO
- 9. COMPACTION TESTING SHALL BE CARRIED OUT AT THE RATE OF 2 TESTS PER 1000SQ METRES PER LAYER BY A REGISTERED NATA LABORATORY. THE COSTS OF TESTING AND RE-TESTING
- ARE TO BE ALLOWED FOR BY THE BUILDER. 10. BATTERS TO BE AS SHOWN, OR MAXIMUM 1 VERT : 4 HORIZ. ALL CONDUITS AND MAINS
- SHALL BE LAID PRIOR TO LAYING FINAL PAVEMENT. 11. ALL BATTERS AND FOOTPATHS ADJACENT TO ROADS SHALL BE TOP SOILED WITH 150mm
- APPROVED LOAM AND SEEDED UNLESS OTHERWISE SPECIFIED. 12. REFER GEOTECHNICAL ENGINEERS REPORT AS PREPARED BY

SAFETY IN DESIGN

- THERE ARE INHERENT RISKS WITH CONSTRUCTING, MAINTAINING, OPERATING, DEMOLISHING, DISMANTLING AND DISPOSING THIS DESIGN THAT ARE TYPICAL OF SIMILAR DESIGNS. AS FAR AS IS REASONABLY PRACTICABLE RISKS HAVE BEEN FLIMINATED OR MINIMISED THROUGH THE DESIGN PROCESS. HAZARD CONTROLS MUST STILL BE IMPLEMENTED BY THE CONTRACTOR, OWNER OR OPERATOR TO ENSURE THE SAFETY OF WORKERS.
- 2. REFER TO THE JONES NICHOLSON'S SAFETY IN DESIGN REPORT FOR UNIQUE RISKS ASSOCIATED
- 3. JONES NICHOLSON'S ASSESSMENT DID NOT IDENTIFY ANY UNIQUE RISKS ASSOCIATED WITH THE

PAVEMENT LEGEND

STORMWATER DRAINAGE

- 1. STORMWATER DRAINAGE SHALL BE GENERALLY IN ACCORDANCE WITH CURRENT AUSTRALIAN STANDARDS AND COUNCIL'S SPECIFICATION. 2. PIPES OF 225mm DIA. AND UNDER SHALL BE UPVC
- 3. PIPES OF 300mm DIA. AND LARGER SHALL BE FRC OR CONCRETE CLASS 2 RUBBER RING 4. ALL FRC OR RCP STORMWATER PIPES WITHIN ROAD RESERVE AREAS TO BE CLASS 3 U.N.O.

7. PIPES UP TO 150mm DIA SHALL BE LAID AT 1.0% MIN. GRADE U.N.O

- 5. PIPES SHALL GENERALLY BE LAID AT THE GRADES INDICATED ON THE DRAWINGS. 6. MINIMUM COVER TO PIPES 300mm DIA. AND OVER GENERALLY SHALL BE 600mm IN CARPARK & ROADWAY AREAS UNO.
- B. PIPES 225mm DIA AND OVER SHALL BE LAID AT 0.5% MIN. GRADE U.N.O. 9. BACKFILL TRENCHES WITH APPROVED FILL COMPACTED IN 200mm LAYERS TO 98% OF STANDARD DENSITY
- 10. ANY PIPES OVER 16% GRADE SHALL HAVE CONCRETE BULKHEADS AT ALL JOINTS 11. PITS SHALL BE AS DETAILED WITH METAL GRATES AT LEVELS INDICATED. ALL PITS DEEPER THAN 1000mm TO HAVE CLIMB IRONS
- 12. BUILD INTO UPSTREAM FACE OF ALL PITS A 3.0m SUBSOIL LINE FALLING TO PITS TO MATCH
- 13. ALL COURTYARD & LANDSCAPED PITS TO BE 450 SQUARE UNLESS NOTED OTHERWISE. 14. ALL DRIVEWAY & OSD PITS TO BE 600 SQUARE UNLESS NOTED OTHERWISE.
- 15. INSTALL TEMPORARY SEDIMENT BARRIERS TO INLET PITS, TO COUNCIL'S STANDARDS UNTIL SURROUNDING AREAS ARE PAVED OR GRASSED.
- 16. PITS & DOWNPIPE LOCATIONS AND LEVELS MAY BE VARIED TO SUIT SITE CONDITIONS AFTER CONSULTING THE ENGINEER.
- 17. DOWNPIPES SHOWN ARE INDICATIVE ONLY, ALL ROOF GUTTERING AND DOWNPIPES TO THE CURRENT AUSTRALIAN STANDARDS.
- 18. ALL PLANTER BOXES AND BALCONIES TO BE CONNECTED TO THE PROPOSED STORMWATER
- 19. HAND-EXCAVATE STORMWATER PIPES IN VICINITY OF TREE ROOTS. 20. FOOTPATH CROSSING LEVELS SHOWN ARE TO BE ADJUSTED TO FINAL COUNCIL'S ISSUED
- 21. GEOTEXTILE FABRIC TO BE PLACED UNDER RIP RAP SCOUR PROTECTION. 22. ALL BASES OF PITS TO BE BENCHED TO HALF PIPE DEPTH AND PROVIDE GALVANISED ANGLE SURROUNDINGS TO GRATE.
- 23. SUBSOIL LINE: PIPES AND FITTINGS SHALL BE PERFORATED PLASTIC TO CURRENT AUSTRALIAN STANDARDS. LAY PIPES ON FLOOR OF TRENCH GRADED AT 1% MIN. AND OVERLAY WITH FILTER MATERIAL EXTENDING TO WITHIN 200mm OF SURFACE, PROVIDE FILTER FABRIC OF PERMEABLE POLYPROPYLENE BETWEEN FILTER MATERIAL AND TOPSOIL. PROVIDE FLUSHING EYE'S AT HIGH POINTS OR TO COUNCILS REQUIREMENTS.

DRAINAGE INSTALLATION

- RCP CONVENTIONAL INSTALLATIONS & ROAD CROSSINGS 1. SUPPLY & INSTALLATION OF DRAINAGE WORKS TO BE IN ACCORDANCE WITH THESE DRAWINGS. THE COUNCIL SPECIFICATION AND THE CURRENT APPLICABLE AUSTRALIAN STANDARDS.
- 2. BEDDING OF THE PIPELINES IS TO BE TYPE 'HS2' IN ACCORDANCE WITH THE STANDARDS AND AS a. COMPACTED GRANULAR MATERIAL IS TO COMPLY WITH THE FOLLOWING GRADINGS: SIEVE SIZE (mm) 19 2.36 0.60 0.30 0.15 0.075
- % MASS PASSING 100 50-100 20-90 10-60 0-25 0-10 - AND THE MATERIAL PASSING THE 0.075 SIEVE HAVING LOW PLASTICITY AS DESCRIBED IN APPENDIX D OF AS1726.
- b. BEDDING DEPTH UNDER THE PIPE TO BE 100mm. c. BEDDING MATERIAL TO BE EXTENDED FROM THE TOP OF THE BEDDING ZONE UP TO 0.3 TIMES PIPE OUTSIDE DIAMETER. THIS REPRESENTS THE 'HAUNCH ZONE. d. THE BEDDING & HAUNCH ZONE MATERIAL IS TO BE COMPACTED TO A MINIMUM RELATIVE COMPACTION OF 98% WITHIN ROAD RESERVES AND TRAFFICABLE AREAS AND 95% ELSEWHERE FOR COHESIVE MATERIAL OR A MINIMUM DENSITY INDEX OF 70% IN ACCORDANCE
- WITH THE STANDARDS FOR COHESIONLESS MATERIAL. e. COMPACTION TESTING SHALL BE CARRIED OUT BY AN APPROVED ORGANISATION WITH A NATA CERTIFIED LABORATORY FOR ALL DRAINAGE LINES LAID WHOLLY OR IN PART UNDER THE KERB & GUTTER OR PAVEMENT.
- 3. BACKFILL SHALL BE PLACED & COMPACTED IN ACCORDANCE WITH THE SPECIFICATION, A GRANULAR GRAVEL AGGREGATE MATERIAL (<10mm) BACKFILL IS RECOMMENDED FOR THE BEDDING, HAUNCH SUPPORT AND SIDE ZONE DUE TO IT'S SELF COMPACTING ABILITY. 4. A MINIMUM OF 150mm CLEARANCE IS TO BE PROVIDED BETWEEN THE OUTSIDE OF THE PIPE BARREL AND THE TRENCH WALL FOR PIPES < 600 DIA. 200mm CLEARANCE FOR PIPES 600 TO

1200 DIA AND D/6 CLEARANCE FOR PIPES > 1200 DIA.

PAVEMENT - FLEXIBLE

- 1. ASSUMED DESIGN CBR 5% TO BE CONFIRMED ONSITE DURING CONSTRUCTION PRIOR TO PLACEMENT OF PAVEMENT MATERIALS. THE CONTRACTOR IS TO UNDERTAKE SUFFICIENT CBR TESTING TO CONFIRM THE ASSUMED VALUE, WHERE A LESSER VALUE HAS BEEN DETERMINED. THE SUPERVISING ENGINEER IS TO BE NOTIFIED TO DETERMINE A REVISED PAVEMENT DESIGN.
- 2. ADOPTED DESIGN TRAFFIC LOADING = ESA'S 3. PAVEMENT TO BE CONSTRUCTED AS FOLLOWS: SURFACE COURSE - DENSE GRADED ASPHALT - EMULSION BASED HOT BITUMEN BASE COURSE - DGB 20
- SUB BASE - DGS 40 4, SUBGRADE SHALL BE COMPACTED TO 100% STANDARD MAXIMUM DRY DENSITY RATIO AT OPTIMUM MOISTURE CONTENT ±2%. IN ACCORDANCE WITH CURRENT AUSTRALIAN STANDARDS. 5. SUBBASE COURSE SHALL BE COMPACTED TO 95% MODIFIED MAXIMUM DRY DENSITY. 6. BASECOURSE SHALL BE COMPACTED TO 98% MODIFIED MAXIMUM DRY DENSITY. 7, PRIOR TO THE PLACEMENT OF THE PRIMERSEAL AND AFTER THE REQUIRED DENSITY IS ACHIEVED,
- MOISTURE CONTENT. 8. ALL SUBGRADES TO BE ROOF ROLLED & APPROVED BY SUPERVISING ENGINEER. 9. COMPACTION TESTS ARE TO BE UNDERTAKEN FOR ALL PAVEMENT LAYERS INCLUDING SUBGRADE AT A RATE TO BE DETERMINED BY THE SUPERVISING ENGINEER & THE RESULTS TO BE SUPPLIED TO THE ENGINEER PRIOR TO PLACEMENT OF THE NEXT PAVEMENT LAYER.

THE PAVEMENT IS TO BE ALLOWED TO DRY BACK TO APPROXIMATELY 60% TO 70% OPTIMUM

PAVEMENT - RIGID

- 1. PREPARATION FOR PAVEMENT: CLEAR SITE, STRIP TOPSOIL, CUT AND FILL AND PREPARATION OF SUBGRADE SHALL BE AS DESCRIBED IN "EARTHWORKS" NOTES. 2. SUBGRADE SHALL BE COMPACTED TO 98% STANDARD MAXIMUM DRY DENSITY AT
- OPTIMUM MOISTURE CONTENT ± 2% IN ACCORDANCE WITH AS 1289 5.1.1. 3. BASE COURSE SHALL BE CONSTRUCTED FROM FINE CRUSHED ROCK DGB20 COMPACTED TO 100%
- STANDARD MAXIMUM DRY DENSITY AT OPTIMUM MOISTURE CONTENT ± 2% IN ACCORDANCE WITH AS 1289 5.1.11 4. CONCRETE PAVEMENT SLABS SHALL BE AS DETAILED ON THE DRAWINGS.
- 5. ALL WORKMANSHIP AND MATERIALS FOR CONCRETE WORK SHALL BE IN ACCORDANCE WITH AS 3600 AND AS 3610 CURRENT EDITIONS WITH AMENDMENTS, EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS.

ACCORDANCE W	 A. Labridge of Control of Contr	BE TYPE S	L SHRINKAGE LIMITED CEMENT IN
ELEMENT	STRENGTH GRADE (MPa)	SLUMP	MAXIMUM AGGREG. SIZE (mm)
PAVEMENT	32	80	20

- 7. PROJECT CONTROL TESTING SHALL BE CARRIED OUT IN ACCORDANCE WITH AS 3600. 8. NO ADMIXTURES SHALL BE USED IN CONCRETE UNLESS APPROVED IN WRITING. 9. CLEAR CONCRETE COVER TO ALL REINFORCEMENT FOR DURABILITY SHALL BE 40mm. 10. CONSTRUCTION JOINTS WHERE NOT SHOWN SHALL BE LOCATED TO THE APPROVAL OF
- THE ENGINEER. 11. THE FINISHED CONCRETE SHALL BE MECHANICALLY VIBRATED TO ACHIEVE A DENSE HOMOGENEOUS MASS, COMPLETELY FILLING THE FORMWORK THOROUGHLY EMBEDDING THE REINFORCEMENT AND FREE OF STONE POCKETS. CONCRETE SHALL BE COMPACTED WITH
- MECHANICAL VIBRATORS. 12. CURING OF ALL CONCRETE IS TO BE ACHIEVED BY KEEPING SURFACES CONTINUOUSLY WET FOR A PERIOD OF THREE DAYS, AND THE PREVENTION OF LOSS OF MOISTURE FOR A TOTAL OF 7 DAYS FOLLOWED BY A GRADUAL DRYING OUT.
- 13. REPAIRS TO CONCRETE SHALL NOT BE ATTEMPTED WITHOUT THE PERMISSION OF THE

PAVEMENT - SEGMENTAL

- 1. PREPARATION FOR PAVEMENT: CLEAR SITE, STRIP TOPSOIL, CUT AND FILL AND PREPARATION OF SUBGRADE SHALL BE AS DESCRIBED IN "EARTHWORKS". 2. SUBGRADE SHALL BE COMPACTED TO 98% STANDARD MAXIMUM DRY DENSITY AT OPTIMUM
- MOISTURE CONTENT ±2% IN ACCORDANCE WITH AS 1289.5.1.1. 3. BASECOURSE SHALL BE CONSTRUCTED FROM FINE CRUSHED ROCK DGB20 COMPACTED TO 100% STANDARD MAXIMUM DRY DENSITY AT DPTIMUM MOISTURE CONTENT ±2% IN ACCORDANCE WITH
- AS 1289.5.1.1. 4. PROVIDE CONCRETE WORKING SLAB 20MPa MIN 100mm THICK AS DETAILED ON DRAWING. 5. SEGMENTAL PAVING SHALL BE AS DETAILED ON THE DRAWINGS, AND ARE TO BE SUPPLIED WITH UNITS OF MAXIMUM GROSS PLAN AREA <0.1m2. WHERE THIS AREA IS EXCEEDED REFER CONCRETE FLAG PAVEMENT SPECIFICATION.
- 6. ALL WORKMANSHIP AND MATERIALS FOR PAVER WORK SHALL BE IN ACCORDANCE WITH ALL AS 4455, AS4456, AS4459, T44, T45, T46, CURRENT EDITIONS WITH AMENDMENTS, EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENT.

APPLICATIONS	CHARACTERISTIC BREAKING LOAD (kN)	CHARACTERISTIC FLEXURAL STRENGTH (MPa)
RESIDENTIAL PEDESTRIAN	2	2
RESIDENTIAL DRIVEWAYS	5	3
PUBLIC FOOTPATHS	5	3
ROADS	5	3
INDUSTRIAL PAVEMENTS	10	4

8. PAVERS TO BE BEDDED AND SOUND EDGE RESTRAINTS ARE TO BE PROVIDED.

9. JOINTS TO BE FULLY GROUTED.

ENVIRONMENTAL SITE MANAGEMENT LEGEND

APPROVED DEVELOPMENT

CONSENT PLANS

ENVIRONMENTAL SITE MANAGEMENT

SPECIFICATION & THE NSW DEPARTMENT OF HOUSING "BLUE BOOK" - SOILS AND CONSTRUCTION

2. SEDIMENT & EROSION CONTROLS MUST BE IN PLACE PRIOR TO THE COMMENCEMENT OF ANY

EARTHWORKS OR DEMOLITION ACTIVITY. THE LOCATION OF SUCH DEVICES IS INDICATIVE ONLY

3. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT ALL MEASURES ARE TAKEN

DOWNSTREAM SYSTEM, SUPERVISING ENGINEER SHOULD BE CONTACTED IF IN DOUBT. ALL

STRUCTURAL DAMAGE AND ALL TRAPPED SEDIMENT TO BE REMOVED TO A NOMINATED SOIL

WILL BE DISTURBED TO BE STRIPPED AND STOCKPILED AT THE NOMINATED SITE, A SEDIMENT

STABILISED AS EARLY AS POSSIBLE. THE SUPERVISING ENGINEER MAY DIRECT THE CONTRACTOR

TO HAVE AREAS OF DISTURBANCE COMPLETED AND STABILISED DURING THE COURSE OF THE

TREES RETAINED ARE TO BE PROTECTED WITH A HIGH VISIBILITY FENCE, PLUS FLAGGING TO

8. INSTALL TEMPORARY SEDIMENT BARRIERS TO ALL INLET PITS LIKELY TO COLLECT SILT LADEN

9. ALL SILT FENCES & BARRIERS ARE TO BE MAINTAINED IN GOOD ORDER & REGULARLY DESILTED

10. STOCKPILES OF LOOSE MATERIALS SUCH AS SAND, SOIL, GRAVEL MUST BE COVERED WITH

GEOTEXTILE SILT FENCE MATERIAL. PLASTIC SHEETING OR MEMBRANE MUST NOT BE USED.

11. WASTE MATERIALS ARE TO BE STOCKPILED OR LOADED INTO SKIP-BINS LOCATED ON SITE AS

TRENCH BACKFILLING, PROVIDE SANDBAGS OR SAUSAGE FILTERS ACROSS EACH TRENCH AT

13. ALL VEHICLES LEAVING THE SITE MUST PASS OVER THE STABILISED SITE ACCESS BALLAST

14. THE HEAD CONTRACTOR IS TO INFORM ALL SITE STAFF AND SUB-CONTRACTORS OF THEIR

15. ANY SEDIMENT DEPOSITED ON THE PUBLIC WAY, INCLUDING FOOTPATH RESERVE AND ROAD

16. PROVIDE BARRIERS AROUND ALL CONSTRUCTION WORKS WITHIN THE FOOTPATH AREA TO

17. CONCRETE PUMPS AND CRANES ARE TO OPERATE FROM WITHIN THE BALLAST ENTRY DRIVEWAY

CONSTRUCTION PATHS, MATERIAL TO BE TAKEN TO THE TRUCK TO REDUCE TRUCK MOVEMENT

20. ANY EXCAVATION WORK ADJACENT TO ADJOINING PROPERTIES OR THE PUBLIC ROADWAY IS NOT

ON SITE. TRUCKS TO BE LIMITED TO SINGLE UNIT HEAVY RIGID VEHICLES. (NO SEMITRAILERS)

TO BE COMMENCED UNTIL THE STRUCTURAL ENGINEER IS CONSULTED AND SPECIFIC INSTRUCTIONS

AREA AND ARE NOT TO OPERATE FROM THE PUBLIC ROADWAY UNLESS SPECIFIC COUNCIL

18. DELIVERY VEHICLES MUST NOT STAND WITHIN THE PUBLIC ROADWAY FOR MORE THAN 20

19. TRUCKS REMOVING EXCAVATED / DEMOLISHED MATERIAL SHOULD TRAVEL ON STABILISED

21. TOILET FACILITIES MUST BE EITHER A FLUSHING TYPE OR APPROVED PORTABLE CHEMICAL

23. DIVERSION BANKS SHOULD BE CONSTRUCTED BY MOUNDING STRIPPED TOPSOIL (MIN HEIGHT

24.UNDISTURBED BUFFER ZONE AREAS ARE CLOSED TO ALL TRAFFIC MOVEMENTS UNLESS

AND PLACEMENT IS TO COMPLY WITH THE SUPERINTENDENTS REQUIREMENT.

EDITION' AND AS 1742 'MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.'

WILL BE AS SHOWN, OR HEAVY PENALTIES MAY BE IMPOSED.

CLOSET. CHEMICAL CLOSETS ARE TO BE MAINTAINED & SERVICED ON A REGULAR BASIS SO

22. DURING TRENCH EXCAVATION ALL SPOIL SHALL BE MOUNDED ON THE UPHILL SIDE OF TRENCHES

600mm) WHERE DIRECTED. MATERIAL TO BE RESPREAD ON FOOTWAYS AFTER FINAL TRIMMING.

OTHERWISE NOTED BY THE SUPERINTENDENT AND ACCESS TO THE SEWER OR C.D.L. TRENCHING

25. TRAFFIC MANAGEMENT MEASURES ARE REQUIRED TO BE IMPLEMENTED AND MAINTAINED DURING

26. PEDESTRIAN CONTROL MEASURES ARE REQUIRED TO BE IMPLEMENTED AND MAINTAINED DURING

CONSTRUCTION. IN ACCORDANCE WITH AS 1742 'MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.

CONSTRUCTION. IN ACCORDANCE WITH 'R.T.A. TRAFFIC CONTROL AT WORK SITES - CURRENT

MAXIMUM 20m SPACINGS. FILTERS TO REMAIN IN PLACE UNTIL REVEGETATION HAS OCCURRED.

AREA (SIMILAR TO SD6-14) TO SHAKE OFF SITE CLAY AND SOIL. IF NECESSARY WHEELS AND

AXLES ARE TO BE HOSED DOWN. BALLAST IS TO BE MAINTAINED & REPLACED AS NECESSARY

12. NO MORE THAN 150m OF TRENCHING TO BE OPEN AT ANY ONE TIME. IMMEDIATELY AFTER

DURING THE CONSTRUCTION PERIOD, SILT FENCES TO SD6-8 OR SD6-9.

OBLIGATIONS UNDER THE EROSION AND SEDIMENT CONTROL PLAN.

WATER, UNTIL SURROUNDING AREAS ARE PAVED OR REGRASSED, GRAVEL OR GEOTEXTILE INLET

SAFETY BARRICADING SHOULD BE USED TO ISOLATE STOCKPILES OF SOLID MATERIALS SUCH AS

SEDIMENT CONTROL STRUCTURES TO BE INSPECTED AFTER EACH RAINFALL EVENT FOR

4. RETAIN ALL EXISTING GRASS COVER WHEREVER POSSIBLE. TOPSOIL FROM ALL AREAS THAT

5. AREAS OF SITE REGRADING ARE TO BE COMPLETED PROGRESSIVELY DURING THE WORKS AND

6. ALL DISTURBED AREAS ARE TO BE SEEDED & FERTILISED WITHIN 14 DAYS OF EXPOSURE.

7. ALL EXISTING TREES TO BE RETAINED UNLESS SHOWN OTHERWISE ON APPROVED DRAWINGS.

- MANAGING URBAN STORMWATER, 2004. REFER TO THE BLUE BOOK FOR STANDARD DRAWINGS

DURING THE COURSE OF CONSTRUCTION TO PREVENT SEDIMENT EROSION AND POLLUTION OF THE

1. EROSION & SEDIMENT CONTROLS TO BE INSTALLED IN ACCORDANCE WITH COUNCIL'S

AND FINAL POSITION SHOULD BE DETERMINED ON SITE.

FENCE TO BE PLACED DOWNHILL OF STOCKPILE.

STEEL REINFORCING, FORMWORK AND SCAFFOLDING.

INDIVIDUAL TREES AS NECESSARY.

DURING THE CONSTRUCTION PERIOD.

PERMISSION IS OBTAINED.

RECEIVED FROM THE ENGINEER.

THAT OFFENSIVE ODOUR IS NOT EMITTED.

MINUTES AT A TIME.

SURFACE, IS TO BE REMOVED IMMEDIATELY.

PROVIDE SAFE ACCESS FOR PEDESTRIANS.

FILTERS TO SD6-11 & SD6-12.

SHOWN ON PLAN.

NOTE: THESE PLANS MUST BE READ IN CONJUNCTION WITH THE CONDITIONS OF DEVELOPMENT CONSENT.

THIS APPROVAL DOES NOT AUTHORISE ANY WORKS ON THE ADJACENT ROAD RESERVE OR ANY COUNCIL RESERVE.

DESCRIPTION	
- EXTENT OF CONCRETE PAVEMENT	
DOWELLED JOINT	
KEYED JOINT	
SAM CUT JOINT	
BUTT JOINT	
2NI2 TRIMMERS × 1500 LONG (TIED UNDER TOP MESH)	
150mm HIGH KERB & GUTTER	
150mm HIGH KERB ONLY	
- EXTENT OF BITUMEN PAVEMENT	
PAVEMENT TYPE I - CONCRETE	
PAVEMENT TYPE 2 - PAVERS	
PAVEMENT TYPE 3 - BITUMEN	
PAVEMENT TYPE 4 - GRAVEL	
LANDSCAPE PLANTING AREA	
LANDSCAPE TILED AREA	
LANDSCAPE WATER AREA	
	EXTENT OF CONCRETE PAVEMENT DOWELLED JOINT KEYED JOINT SAW CUT JOINT BUTT JOINT 2NI2 TRIMMERS × 1500 LONG (TIED UNDER TOP MESH) I50mm HIGH KERB & GUTTER I50mm HIGH KERB ONLY EXTENT OF BITUMEN PAVEMENT PAVEMENT TYPE 1 - CONCRETE PAVEMENT TYPE 2 - PAVERS PAVEMENT TYPE 3 - BITUMEN PAVEMENT TYPE 4 - GRAVEL LANDSCAPE PLANTING AREA

SYMBOL	DESCRIPTION				
	- PROPOSED BUILDING LINE				
	PROPOSED BUILDING ROOF OUTLINE				
	PROPRIETARY SILT FENCE				
	PROVIDE TEMPORARY CHAIN WIRE FENCING (HOARDING) ALONG THE SITE BOUNDARY.				
000000000 00000000 00000000 00000000 0000	TEMPORARY STABALISED CONSTRUCTION ENTRY/EXIT. (SHAKER PAD)				
	TEMPORARY FILTER TUBE WITH SAFETY BARRICADE TO KERB INLET PITS.				
\Rightarrow	NOMINATED DISPOSAL ROUTE FOR TRUCK MATERIAL TRANSPORTATION.				
	TEMPORARY MASS CONCRETE FOOTPATH CROSSING.				
	UNDISTURBED NON-TRAFFICABLE AREA				
	DIVERSION BANK				
	SURFACE INLET DRAINAGE PIT WITH SURROUNDING FILTER FABRIC INLET SEDIMENT TRAP OR FILTER TUBES (SANDBAGS)				
	TEMPORARY GEOTEXTILE WRAPPED HAY BALES/SAND BAGS				

AMDT	DATE	BY	DESCRIPTION	AMDT	DATE	BY	DESCRIPTION
PI	03.02.2015	HK	PRELIMINARY ISSUE	P4	22.12.15	LVD	ISSUED FOR APPROVAL
P2	20.02.2015	HK	PRELIMINARY ISSUE				
P4	26.11.2015	MA	ISSUED FOR APPROVAL				



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JONES NICHOLSON PTY. LTD. CONSULTING ENGINEERS Ph. (02) 9521 3088 DRG SIZE: A1 SUTHERLAND - SUITE 45, 40-44 BELMONT STREET, SUTHERLAND NSW 2232 WOLLONGONG - GOLD COAST - GOULBURN - PICTON

CYMPOL DECORPTION

DRAWN: HK DATE: JAN 2015 SCALE: 1:200

CIVIL DESIGN NOTES SHEET

PROPOSED RESIDENTIAL SUBDIVISION 53C Warriewood Road, Warriewood NSW 2102 STEPHEN BOWERS ARCH

CIVIL

STRUCTURAL

BUILDING SERVICES