

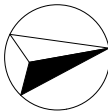
**SITE ANALYSIS PLAN**

LOT 18 - DP 9335

SITE AREA: 403.1m2

FSR CONTROL - 0.6 - 60%  
\* NO CHANGE TO FLOOR AREA

TRUE NORTH:



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**JJ Drafting**

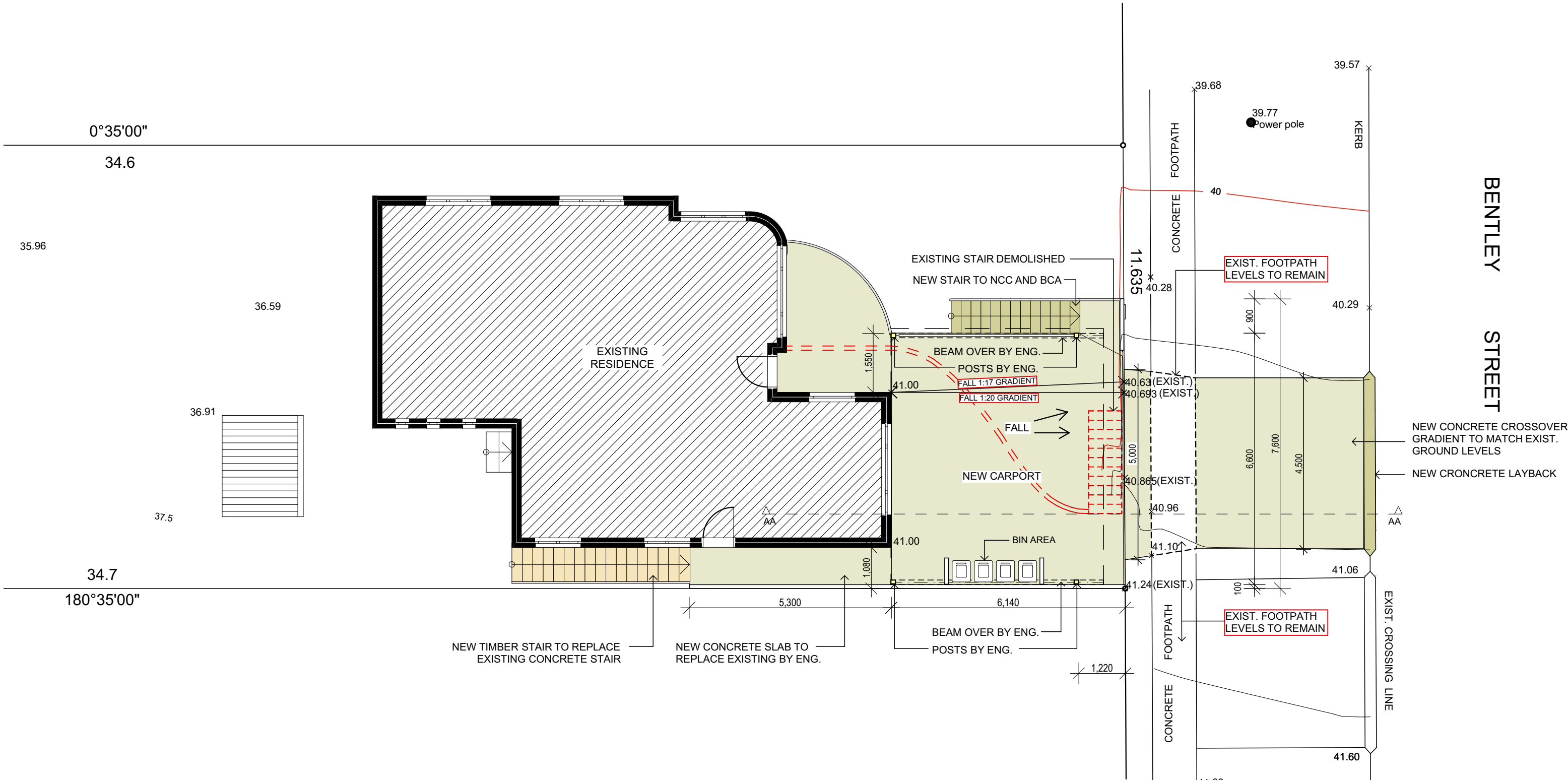
174 Garden St, North Narrabeen, NSW, 2101  
PO Box 687, Dee Why, NSW, 2099  
Mob. 0414 717 541  
Email. jjdraft@tpg.com.au  
www.jjdrafting.com.au

REV:	DATE:	DESCRIPTION:
A	04.09.19	CARPORT LEVEL DECREASED


PROJECT DETAILS: PROPOSED ALTERATIONS AND ADDITIONS 1 Bentley Street - Balgowlah
DRAWING TITLE: SITE ANALYSIS PLAN

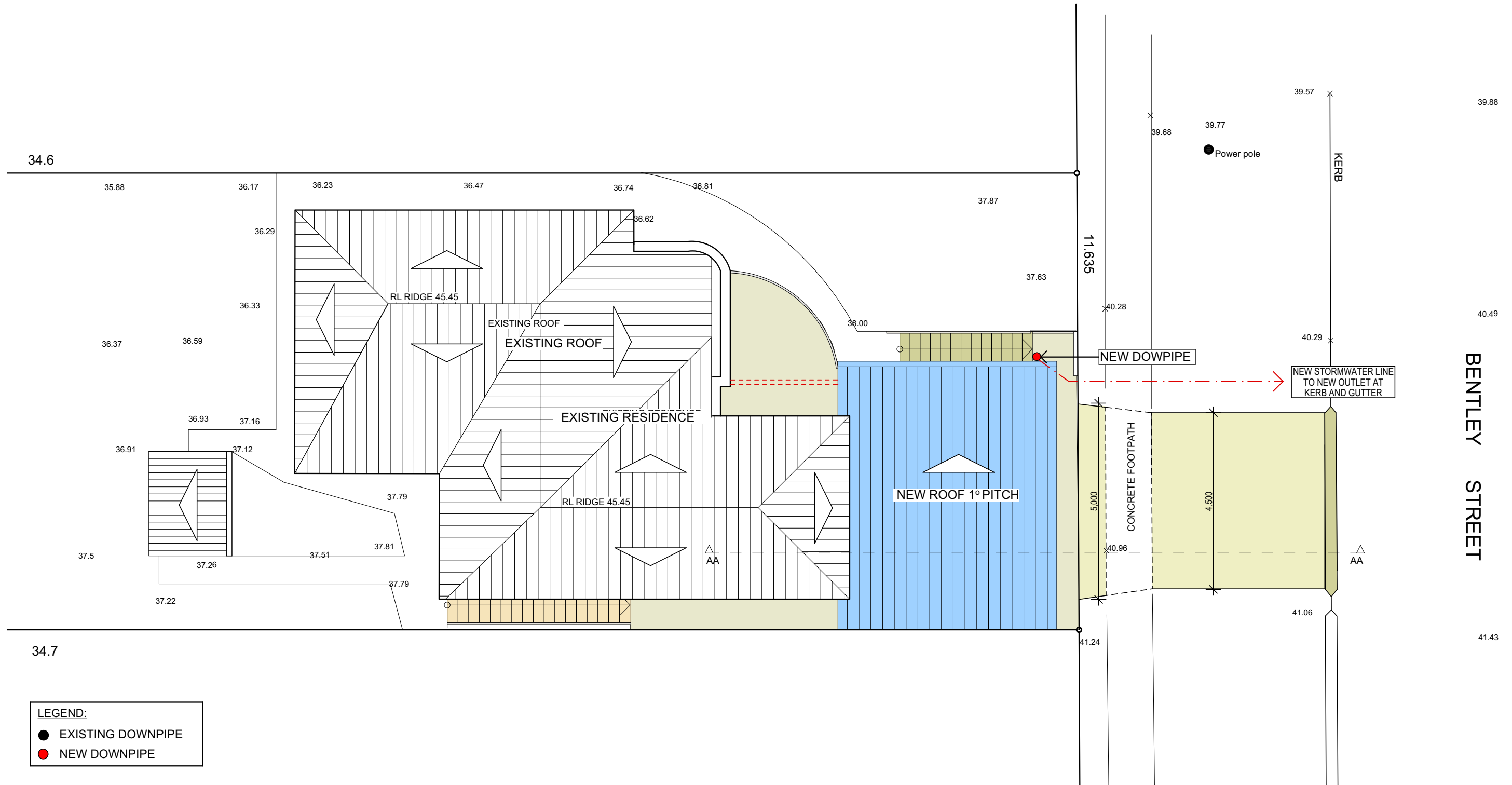
DATE: 08/2019	DRAWN BY: LB	SCALE: 1:200 @ A3
JOB No: 729/19	CHECKED BY: JJ	DRAWING No: DA.01 A





GROUND FLOOR PLAN

<div>TRUE NORTH:</div> <div></div>	<div>NOTES:</div> <ul style="list-style-type: none"><li>• All structures including stormwater &amp; drainage to engineer's details.</li><li>• Do not obtain dimensions by scaling drawings.</li><li>• All dimensions are to be checked on site prior to starting work.</li><li>• These drawings are to be read in conjunction with all other consultant's drawings and specifications.</li><li>• All workmanship &amp; materials shall be in accordance with the requirements of current editions including amendments of the relevant SAA Codes of Practice, the Building Code of Australia and local council requirements.</li><li>• New materials are to be used throughout unless otherwise noted.</li><li>• Concrete footings, slab, structural beams or any other structural members are to be designed by a practicing engineer.</li></ul>	<div>JJ Drafting</div> <div>174 Garden St, North Narrabeen, NSW, 2101</div> <div>PO Box 687, Dee Why, NSW, 2099</div> <div>Mob. 0414 717 541</div> <div>Email. <a href="mailto:jjdraft@tpg.com.au">jjdraft@tpg.com.au</a></div> <div><a href="http://www.jjdrafting.com.au">www.jjdrafting.com.au</a></div>	REV:	DATE:	DESCRIPTION:	PROJECT DETAILS: PROPOSED ALTERATIONS AND ADDITIONS 1 Bentley Street - Balgowlah	DATE:	DRAWN BY:	SCALE:		
			A	04.09.19	CARPORT LEVEL DECREASED		08/2019	LB	1:100 @ A3		
			DRAWING TITLE: GROUND FLOOR PLAN						JOB No:	CHECKED BY:	DRAWING No:
									729/19	JJ	DA.03 A




**LEGEND:**

- EXISTING DOWNPIPE
- NEW DOWNPIPE

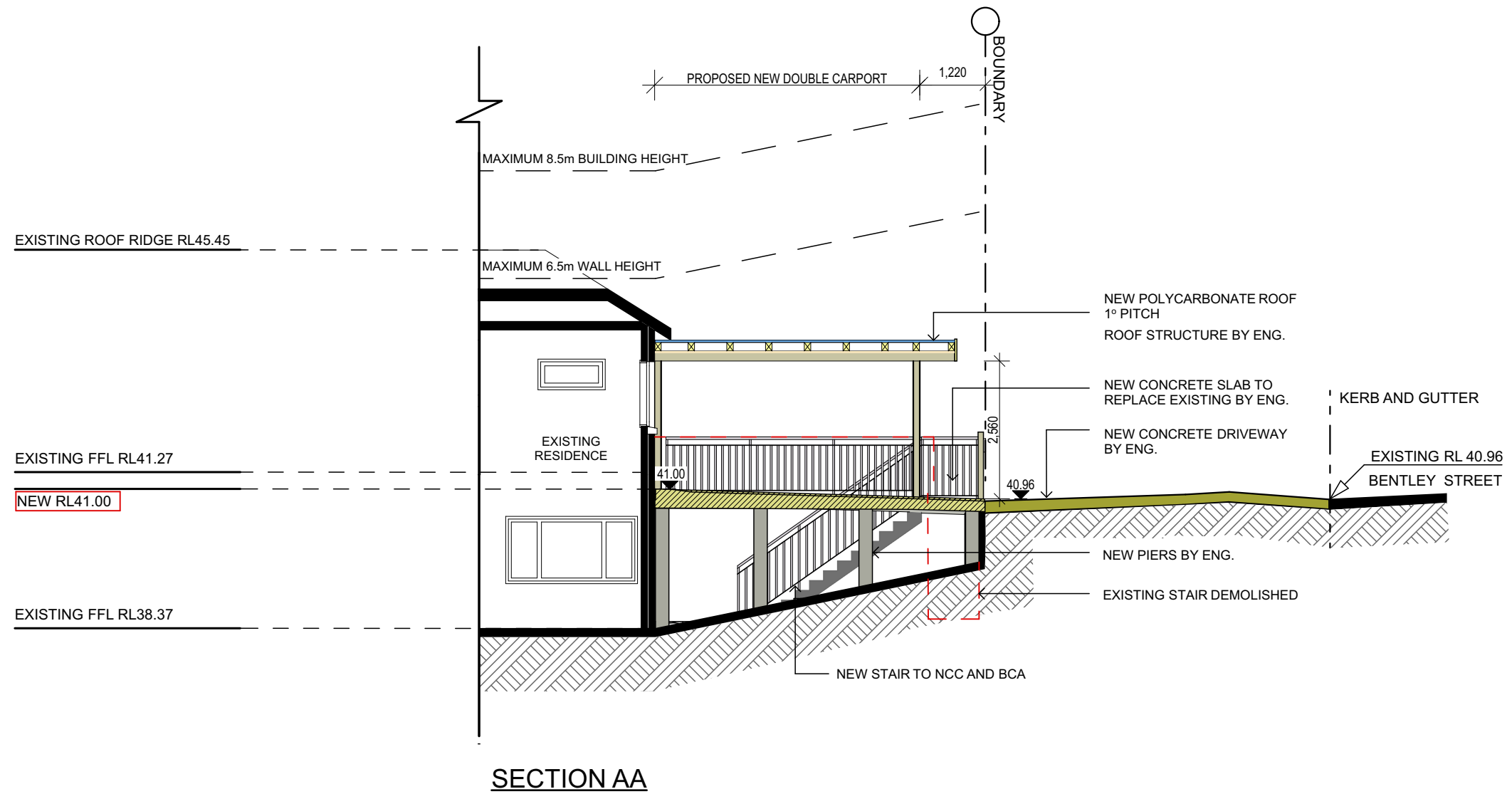
ROOF PLAN & STORMWATER CONCEPT PLAN

NOTE - DOWPIPES TO BE CONECTED INTO EXISTING STORMWATER LINE

<div>TRUE NORTH:</div> <div></div>	<div>NOTES:</div> <ul style="list-style-type: none"><li>• All structures including stormwater &amp; drainage to engineer's details.</li><li>• Do not obtain dimensions by scaling drawings.</li><li>• All dimensions are to be checked on site prior to starting work.</li><li>• These drawings are to be read in conjunction with all other consultant's drawings and specifications.</li><li>• All workmanship &amp; materials shall be in accordance with the requirements of current editions including amendments of the relevant SAA Codes of Practice, the Building Code of Australia and local council requirements.</li><li>• New materials are to be used throughout unless otherwise noted.</li><li>• Concrete footings, slab, structural beams or any other structural members are to be designed by a practicing engineer.</li></ul>	<div>JJ Drafting</div> <div>174 Garden St, North Narrabeen, NSW, 2101</div> <div>PO Box 687, Dee Why, NSW, 2099</div> <div>Mob. 0414 717 541</div> <div>Email. <a href="mailto:jjdraft@tpg.com.au">jjdraft@tpg.com.au</a></div> <div><a href="http://www.jjdrafting.com.au">www.jjdrafting.com.au</a></div>	<div>REV:</div> <div>DATE:</div> <div>DESCRIPTION:</div>	<div>PROJECT DETAILS:</div> <div>PROPOSED ALTERATIONS AND ADDITIONS</div> <div>1 Bentley Street - Balgowlah</div>	<div>DATE:</div> <div>08/2019</div>	<div>DRAWN BY:</div> <div>LB</div>	<div>SCALE:</div> <div>1:100 @ A3</div>		
			<div>A</div> <div>04.09.19</div> <div>CARPORT LEVEL DECREASED</div>						
				<div>DRAWING TITLE:</div> <div>ROOF PLAN &amp; STORMWATER CONCEPT</div>	<div>JOB No:</div> <div>729/19</div>	<div>CHECKED BY:</div> <div>JJ</div>	<div>DRAWING No:</div> <div>DA.04 A</div>		







**SPECIFICATION NOTES:**

**ROOFING**

- POLYCARBONATE ROOF CLADDING

**GUTTERS AND DOWNPIPES**

- COLORBOND GUTTERS AND DOWNPIPES  
- MINIMUM SLOPE OF EAVES AND GUTTERS 1:200

**STORMWATER**

- NEW DOWNPIPES TO BE CONNECTED INTO NEW STORMWATER LINE

**FLASHING AND CAPPINGS**

- SELECTION AND INSTALLATION OF METAL RAINWATER GOODS REFER TO AS2180  
- FLASH PROJECTIONS ABOVE THE ROOF WITH TWO PART FLASHINGS CONSISTING OF AN APRON FLASHING AND OVER FLASHING, WITH AT LEAST 100mm OVERLAP.  
- PROVIDE FOR INDEPENDENT MOVEMENT BETWEEN ROOF AND PROJECTION

**TERMITE CONTROL**

- TO AS3660.1

**TIMBER FRAMING**

- USE TREATED TIMBER WHERE REQUIRED FOR DURABILITY  
- DO NOT USE TIMBER UNSUITABLE FOR EXPOSURE TO MOISTURE IN EXPOSED LOCATION  
- ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS1684 AND 1720 AS APPLICABLE  
- PROVIDE STRUCTURE BRACING IN ACCORDANCE WITH AS1684  
- PROVIDE STRUCTURE TIEDOWN IN ACCORDANCE WITH AS1684  
- USE GALVANISED FIXINGS WHERE EXPOSED TO WEATHER

**CONCRETE**

- ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH CURRENT EDITIONS OF THE AS3600  
- FOOTINGS TO BE IN ACCORDANCE WITH AS1480  
- ALL REINFORCEMENTS SHALL CONFORM TO AS1302, AS1303, AS1304

**SMOKE ALARMS**

- CONNECT TO CONSUMER MAINS POWER AND INSTALL TO AS1670.6, 1997 (FIRE DETECTION, WARNING CONTROL AND INTERCOM SYSTEMS AND AS3786 -1996 (SMOKE ALARMS)

**WASTE MANAGEMENT**

- ALL WASTE SHALL BE TAKEN AWAY BY TRUCKS TO A SUITABLE LANDFILL OR RECYCLE DEPOT  
- ALL WASTE SHALL BE COVERED DURING TRANSPORTATION  
- WASTE GENERATED DURING CONSTRUCTION SHALL BE PLACED IN STEEL BINS AND TAKEN AWAY BY AN APPROVED CONTRACTOR TO A APPROVED LANDFILL SITE

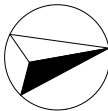
**SEDIMENT CONTROL**

- A FILTER CLOTH SYSTEM SHALL BE INSTALLED TO STOP ANY SEDIMENT ENTERING COUNCILS STORMWATER SYSTEM

**NOTE:**

**ADDITIONS AND ALTERATIONS ARE TO BE READ IN CONJUNCTION AND COMPLY WITH THE BASIX CERTIFICATE, BUSHFIRE AND GEO TECH REPORTS.**

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**PROJECT DETAILS:**

PROPOSED ALTERATIONS AND ADDITIONS  
1 Bentley Street - Balgowlah

**DRAWING TITLE:**

SECTION & BASIX

DATE:

08/2019

DRAWN BY:

LB

SCALE:

1:100 @ A3

JOB No:

729/19

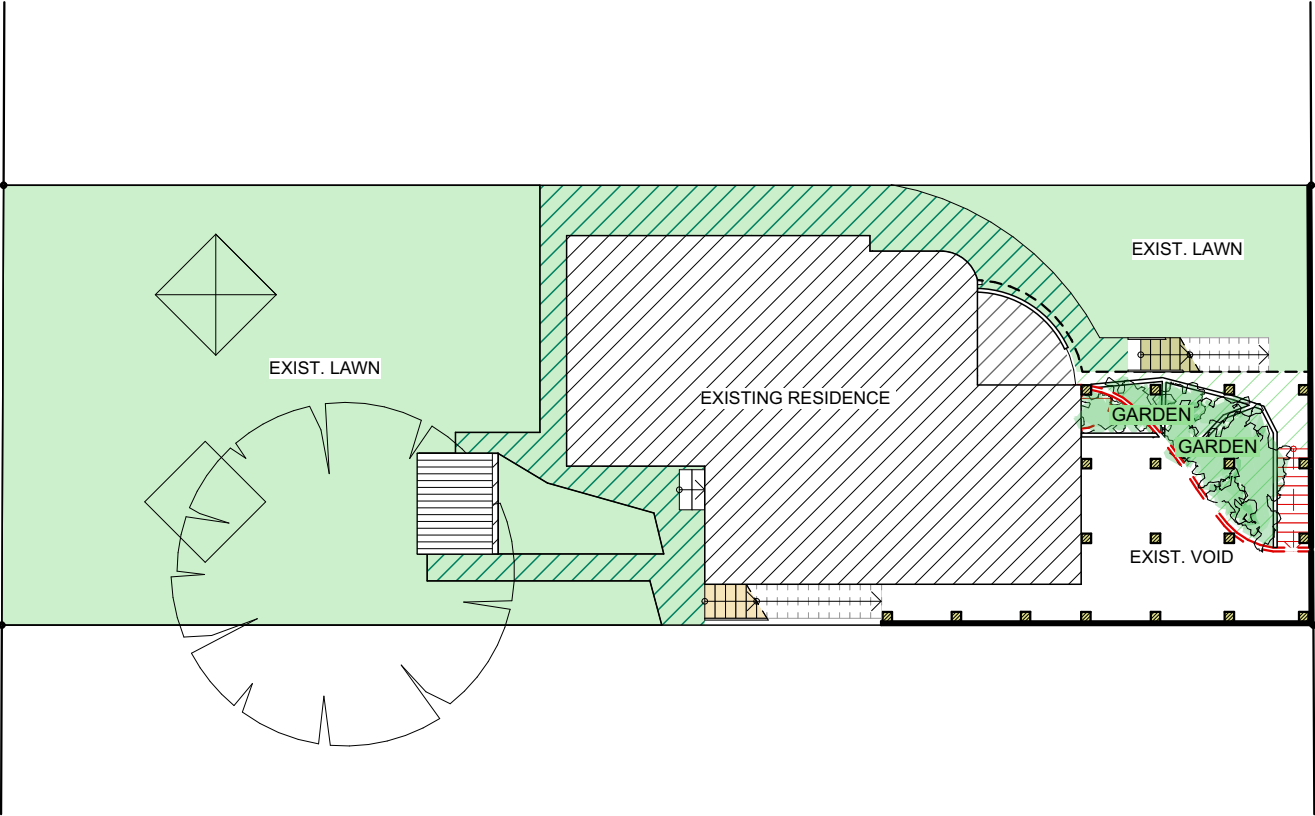
CHECKED BY:

JJ

DRAWING No:

**DA.07 A**





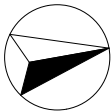
OPEN SPACE CALCULATION PLAN

CALCULATIONS:			
SITE AREA			403.1 m <sup>2</sup>
OPEN SPACE CONTROL	<div><div></div><div></div></div>	MIN. 55%	221.70 m <sup>2</sup>
SOFT OPEN SPACE CONTROL	<div><div></div></div>	MIN. 35%	141.08 m <sup>2</sup>
EXISTING OPEN SPACE CONTROL		63 %	254.00 m <sup>2</sup>
EXISTING SOFT OPEN SPACE CONTROL		52.74 %	212.60 m <sup>2</sup>
NEW OPEN SPACE CONTROL		59.67 %	240.57 m <sup>2</sup>
NEW SOFT OPEN SPACE CONTROL		49.39 %	199.10 m <sup>2</sup>
EXISTING HARD SURFACE AREA		27.88 %	112.40 m <sup>2</sup>
TOTAL HARD SURFACE TO REMAIN		27.88 %	112.40 m <sup>2</sup>



3D IMAGE

TRUE NORTH:



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A	04.09.19	CARPORT LEVEL DECREASED

PROJECT DETAILS: PROPOSED ALTERATIONS AND ADDITIONS 1 Bentley Street - Balgowlah	DRAWING TITLE: OPEN SPACE CALCULATION PLAN & 3D IMAGE
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DATE: 08/2019	DRAWN BY: LB	SCALE: 1:200 @ A3
JOB No: 729/19	CHECKED BY: JJ	DRAWING No: DA.08 A



Designated Site Manager/Builder

PRIOR TO COMMENCEMENT OF WORK A SITE MANAGER OR BUILDER MUST BE NOMINATED. THE SITE MANAGER OR BUILDER WILL BE RESPONSIBLE AND LIABLE FOR ALL WORKS CARRIED OUT ON THE SITE. THIS ASSUMES THE RESONSIBILITY FOR THE ACTIONS OF ALL SUBCONTRACTED PARTIES AS WELL AS ADVISING THEM OF COUNCIL'S REQUIREMENTS WHEN CARRYING OUT WORKS.

Topsoil Management

PRIOR TO THE STRIPPING OF TOPSOIL, THE VEGETATIVE COVER MUST BE REDUECED BY EITHER SLASHING OR MOWING. ALL TOPSOIL IS TO BE RETAINED AND PROTECTED FOR REUSE ON SITE. SOIL STOCKPILES MUST NOT BE LOCATED ON NATURE STRIPS, FOOTPATHS, ROADWAYS, KERBS, ACCESSWAYS, WITHIN DRAINAGE LINES/FLOWS/PATHS OR AROUND OR AGAINST TREE SHRUBS. SEDIMENT CONTROL MEASURES MUST BE INCORPORATED WITH ANY RESULTING STOCKPILE. THE STOCKPILE CAN BE PROTECTED FROM EROSION BY COVERING IT WITH AN IMPERVIOUS MATERIAL, IN CONJUNCTION WITH THE INSTALLATION OF A SEDIMENT FENCE AROUND IT. IF STOCKPILES ARE TO REMAIN FOR MORE THAN ONE MONTH THEY ARE TO BE GRASSED IMMEDIATELY AND STABILISED WITHIN FOURTEEN DAYS. SURPLUS TOPSOIL MUST BE REASONABLY REMOVED FROM SITE.

Building Material Stockpiling

SUFFICIENT AREA MUST BE ALLOCATED WITHIN THE SITE FOR SUCH STORAGE OF BUILDING MATERIALS, DEMOLITION WASTE, WASTE CONTAINERS, ETC. AS WILL BE REQUIRED.

Sediment Fences

A SEDIMENT FENCE SHOULD BE LOCATED ALONG THE DOWNSLOPE BOUNDARY(S)OF THE SITE, ON THE CONSTRUCTION SIDE OF THE TURF FILTER STRIP OR NATIVE VEGETATION , AND AROUND ALL STOCKPILES OF MATERIAL ON THE SITE.

Dust Control

ALL TRUCKS/UTES MUST COVER THEIR LOADS AT ALL TIMES. APPROPRIATE METHODS ARE TO BE EMPLOYED TO PREVENT BLOWING DUST CREATING AN UNACCEPTABLE HAZARD OR NUISANCE ON THE SITE OR DOWN WIND. PRODUCTION OF DUST CAN BE MINIMISED BY LIMITING AREA OF EARTHWORKS, WATERING AND PROGRESSIVE VEGETATION. WHERE DUST IS CREATED AS A RESULT WORKS AND/OR SOIL EXPOSURE, THE BARE SOIL AREAS MUST BE WATERED, DURING AND/OR AT THE END OF EACH DAY TO LAY THE DUST. EARTH MOVONG ACTIVITIES SHOULD BE AVOIDED WHERE WINDS ARE SUFFICIENTLY STRONG ENOUGH TO RAISE VISIBLE DUST.

Erosion & Sediment Controls

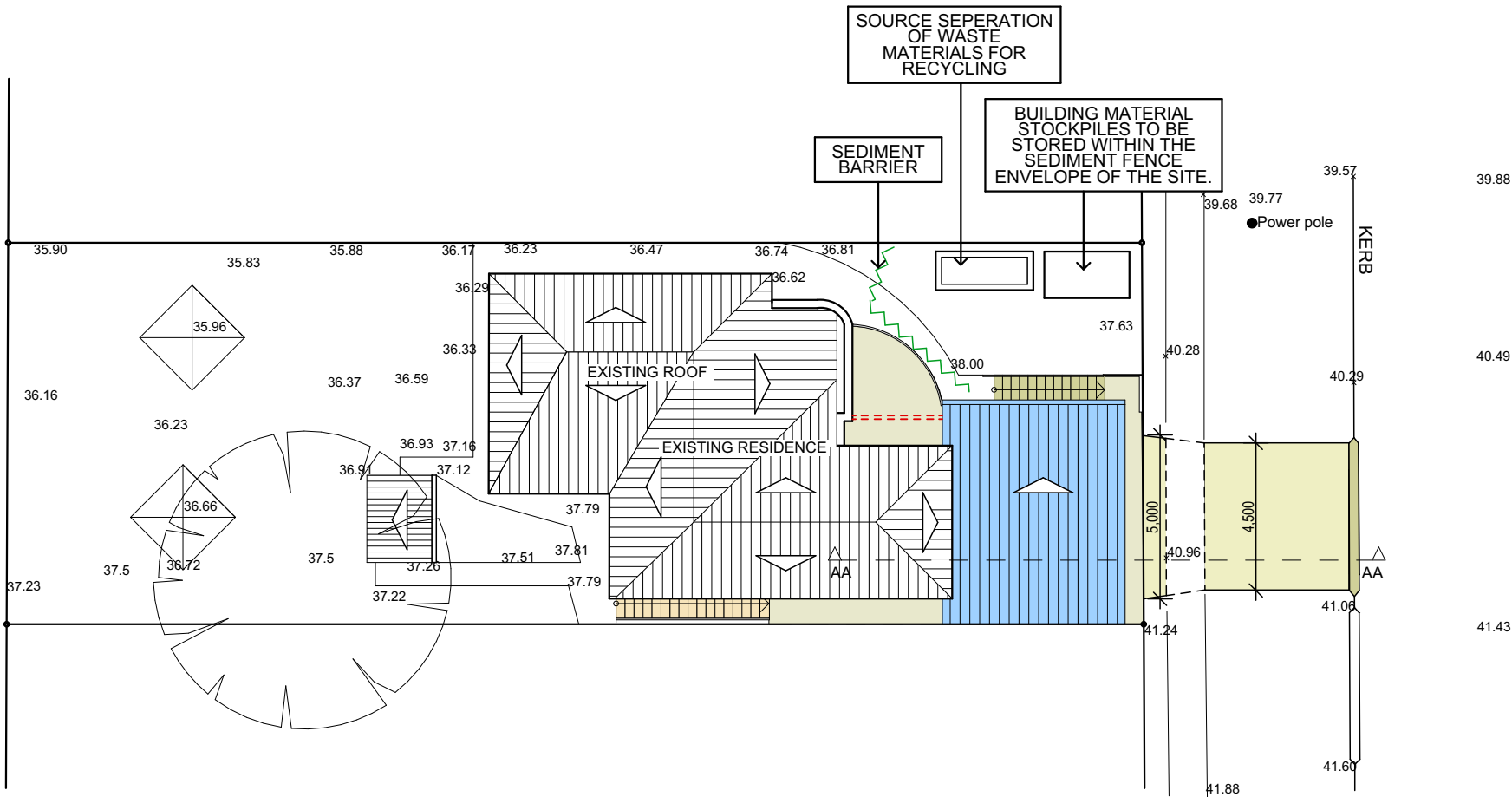
APPROPRIATE EROSION AND SEDIMENT CONTROLS MUST BE IMPLEMENTED ON ALL SITES THAT INVOLVE SOIL DISTURBANCE. THE MEASURES MUST BE IN PLACE PRIOR TO THE COMMENCEMENT OF WORK. THOSE CONTROLS ARE TO BE MONITORED AND MAINTAINED IN ORDER TO SERVE THEIR INTENDED FUNCTION FOR THE DURATION OF THW WORKS OR UNTIL SUCH TIME AS THE SITE IS FULLY STABILISED. IF ANY CONTROLS ARE DAMAGED OR BECOME INEFFECTIVE DURING THE COURSE OF THE WORKS THEY ARE TO BE REINSTATED OR REPLACED IMMEDIATELY. SUFFICIENT ACCESS TO THESE CONTROLS MUST BE PROVIDED IN CASE OF THE NEED TO REPAIR.

Sediment Traps

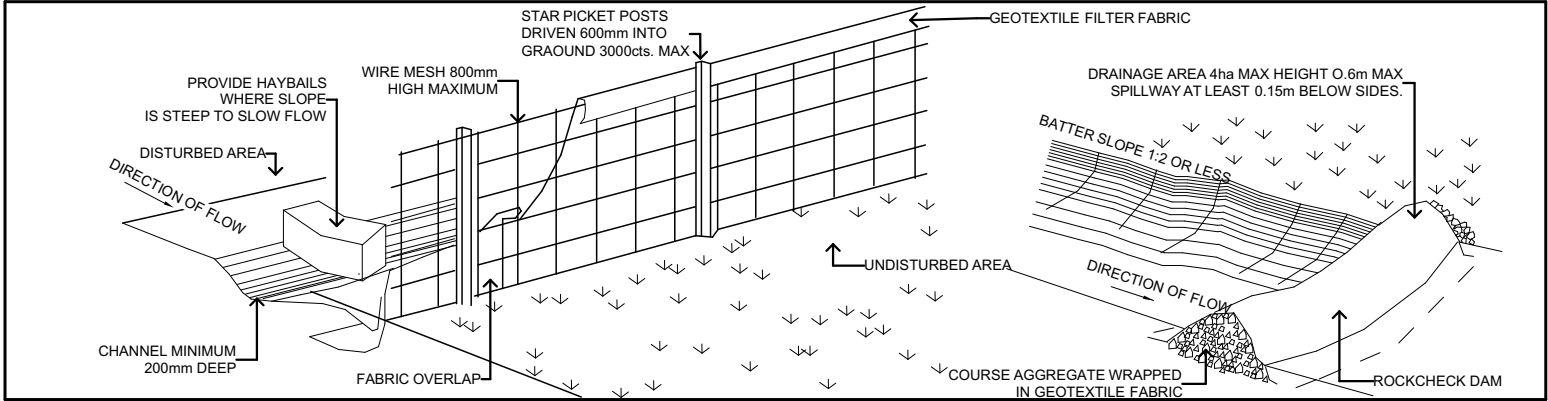
WHERE A SEDIMENT FENCE IS NOT USED APPROPRIATE SEDIMENT TRAPS SHOULD BE LOCATED AT ALL POINTS WHERE STORMWATER LEAVES THE CONSTRUCTION SITE OR LEAVES THE GUTTER AND ENTERS THE DRAINAGE SYSTEM. A COMMON TECHNIQUE IS THE GRAVEL SAUSAGE.

Diversion Channels

A DIVERSION CHANNEL IS AN EXCAVATED EARTH DITCH OR PATH. THESE STRUCTURES ARE USED TO INTERCEPT AND DIRECT RUN-OFF TO A DESIRED LOCATION WHERE POSSIBLE. ALL STORMWATER RUN-OFF FLOWING ONTO DISTURBED AREAS, INCLUDING STOCKPILES, MUST BE INTERCEPTED, DIVERTED AND/OR SAFELY DISPOSED OF. THIS CAN BE ACHIVED BY CONSTRUCTING A TEMPORARY EARTH BANK AROUND THE UPSLOPE EXTENT OF THE CONSTRUCTION SITE WHERE THE DIVERSION DOES NOT AFFECT THE NEIGHBOURING PROPERTIES.



EROSION & SEDIMENT CONTROL / WASTE MANAGEMENT PLAN



TYPICAL SEDIMENT FENCE  
SCALE NTS

TYPICAL DIVERSION CHANNEL  
SCALE NTS

Vehicle Movements

TO LIMIT DISTURBANCE TO THE SITE AND TRACKING OF MATERIAL ONTO THE STREET ALL VEHICLES AND PLANT EQUIPMENT ARE TO USE A SINGLE ENTRY/EXIT POINT UNLESS COUNCIL HAS APPROVED ALTERNATIVE ARRANGEMENTS. ACCESS POINTS AND APRKING AREAS ARE TO BE STABILISED WITH COMPACTED SUB-GRADE AS SOON AS POSSIBLE AFTER THEIR FORMATION. WHERE SPILLAGE DOES OCCUR IT IS TO BE CONTAINED IMMEDIATELY AND CAREFULLY REMOVED. THE AREA AFFECTED IS TO BE RESTORED TO A STANDARD EQUAL TO OR BETTER THAN ITS PREVIOUS CONDITION. ALL VEHICLES ARE TO BE WASHED PRIOR TO EXISTING THE SITE. THIS SERVES THE PURPOSE OF REMOVING SITE MATERIAL ON THE VEHICLE AND PREVENTS IT FROM BEING DEPOSITED ON THE ROAD NETWORK ADJACENT TO THE SITE AND THUS, THE STORWATER SYSTEM. ALL POLLUTED WATER MUST BE RETAINED ON SITE FOR TREATMENT BEFORE IT IS DISCHARGED INTO THE STORMWATER SYSTEM. NO VEHICLE ASSOCIATED WITH THE WORK IS TO BE PARKED ON A FOOTPATH OR PUBLIC RESERVE. ALL VEHICLES VISITING THE SITE DURING DEMOLITION, EXCAVATION AND/OR CONSTRUCTION WORKS, ARE TO COMPLY WITH THE PARKING REQUIREMENTS IN THAT AREA.

TRUE NORTH:

NOTES:

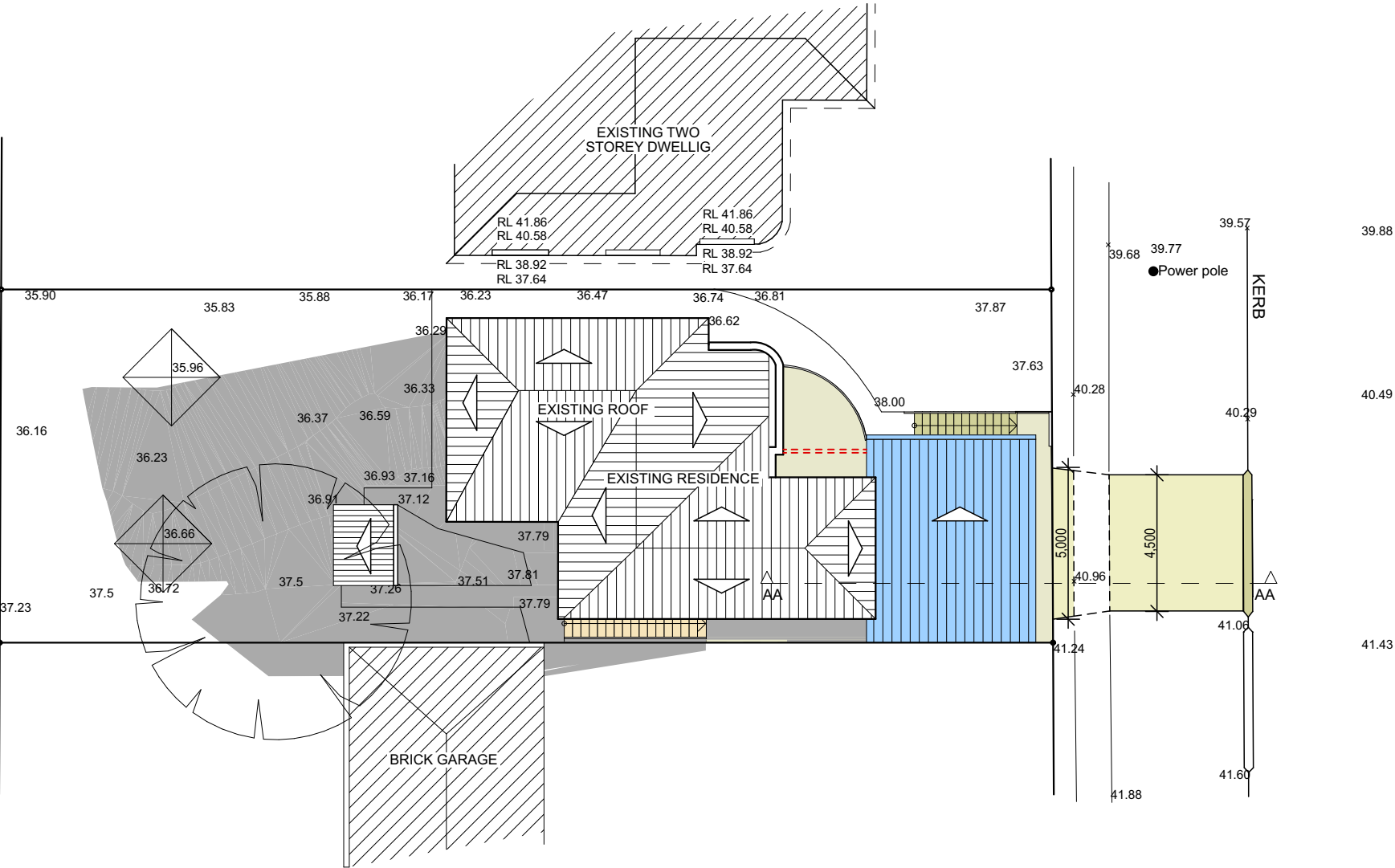
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A	04.09.19	CARPORT LEVEL DECREASED

PROJECT DETAILS: PROPOSED ALTERATIONS AND ADDITIONS 1 Bentley Street - Balgowlah	DATE: 08/2019	DRAWN BY: LB	SCALE: 1:200 @ A3
DRAWING TITLE: EROSION & SEDIMENT CONTROL / WASTE MANAGEMENT PLAN	JOB No: 729/19	CHECKED BY: JJ	DRAWING No: DA.09 A






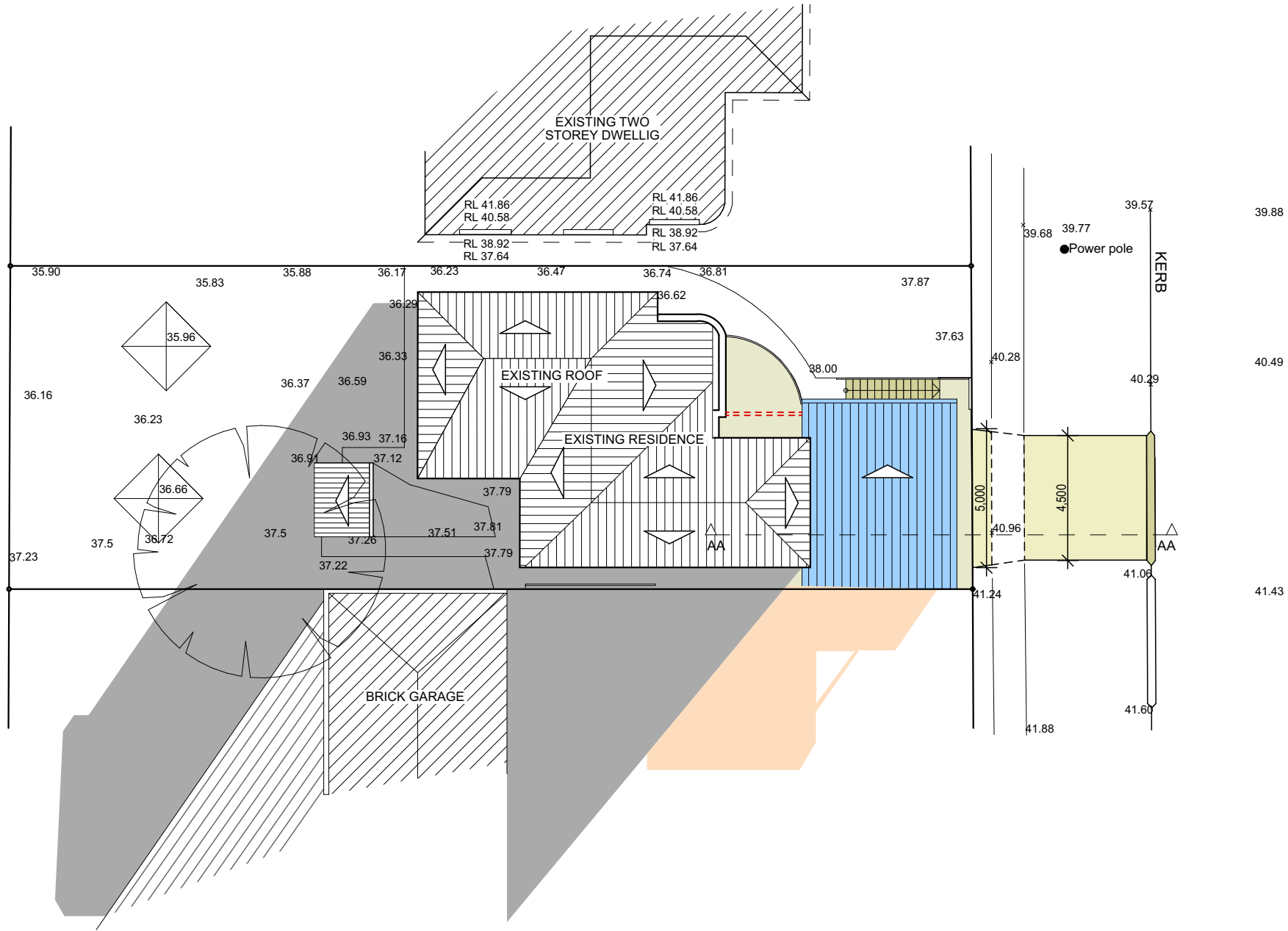
21 JUNE SHADOW DIAGRAM - 12pm

**LEGEND:**

EXISTING SHADOW DIAGRAM

NEW SHADOW DIAGRAM

<div>TRUE NORTH:</div> 	<div>NOTES:</div> <ul style="list-style-type: none"><li>• All structures including stormwater &amp; drainage to engineer's details.</li><li>• Do not obtain dimensions by scaling drawings.</li><li>• All dimensions are to be checked on site prior to starting work.</li><li>• These drawings are to be read in conjunction with all other consultant's drawings and specifications.</li><li>• All workmanship &amp; materials shall be in accordance with the requirements of current editions including amendments of the relevant SAA Codes of Practice, the Building Code of Australia and local council requirements.</li><li>• New materials are to be used throughout unless otherwise noted.</li><li>• Concrete footings, slab, structural beams or any other structural members are to be designed by a practicing engineer.</li></ul>	<div>JJ Drafting</div> <div>174 Garden St, North Narrabeen, NSW, 2101</div> <div>PO Box 687, Dee Why, NSW, 2099</div> <div>Mob. 0414 717 541</div> <div>Email. <a href="mailto:jjdraft@tpg.com.au">jjdraft@tpg.com.au</a></div> <div><a href="http://www.jjdrafting.com.au">www.jjdrafting.com.au</a></div>	<div>REV: DATE: DESCRIPTION:</div> <div>A04.09.19CARPORT LEVEL DECREASED</div>	<div>PROJECT DETAILS:</div> <div>PROPOSED ALTERATIONS AND ADDITIONS</div> <div>1 Bentley Street - Balgowlah</div>	<div>DATE:</div> <div>08/2019</div>	<div>DRAWN BY:</div> <div>LB</div>	<div>SCALE:</div> <div>1:200 @ A3</div>
			<div>DRAWING TITLE:</div> <div>JUNE 21 12pm</div>	<div>JOB No:</div> <div>729/19</div>	<div>CHECKED BY:</div> <div>JJ</div>	<div>DRAWING No:</div> <div>DA.11 A</div>	



21 JUNE SHADOW DIAGRAM - 3pm

LEGEND:

EXISTING SHADOW DIAGRAM

NEW SHADOW DIAGRAM

TRUE NORTH: 	NOTES: <ul style="list-style-type: none"><li>• All structures including stormwater &amp; drainage to engineer's details.</li><li>• Do not obtain dimensions by scaling drawings.</li><li>• All dimensions are to be checked on site prior to starting work.</li><li>• These drawings are to be read in conjunction with all other consultant's drawings and specifications.</li><li>• All workmanship &amp; materials shall be in accordance with the requirements of current editions including amendments of the relevant SAA Codes of Practice, the Building Code of Australia and local council requirements.</li><li>• New materials are to be used throughout unless otherwise noted.</li><li>• Concrete footings, slab, structural beams or any other structural members are to be designed by a practicing engineer.</li></ul>	<b>JJ Drafting</b> 174 Garden St, North Narrabeen, NSW, 2101 PO Box 687, Dee Why, NSW, 2099 Mob. 0414 717 541 Email. <a href="mailto:jjdraft@tpg.com.au">jjdraft@tpg.com.au</a> <a href="http://www.jjdrafting.com.au">www.jjdrafting.com.au</a>	REV:	DATE:	DESCRIPTION:	PROJECT DETAILS:	DATE:	DRAWN BY:	SCALE:
			A	04.09.19	CARPORT LEVEL DECREASED	PROPOSED ALTERATIONS AND ADDITIONS 1 Bentley Street - Balgowlah	08/2019	LB	1:200 @ A3
						DRAWING TITLE:	JOB No:	CHECKED BY:	DRAWING No:
						JUNE 21 3pm	729/19	JJ	<b>DA.12 A</b>