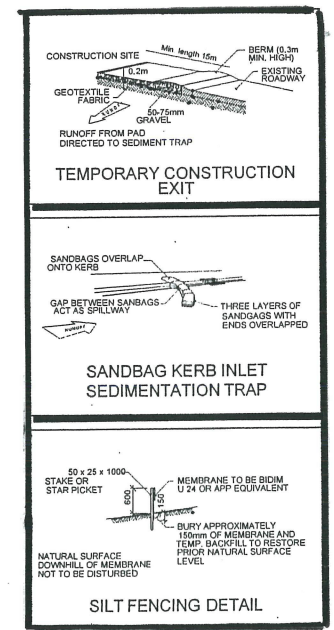
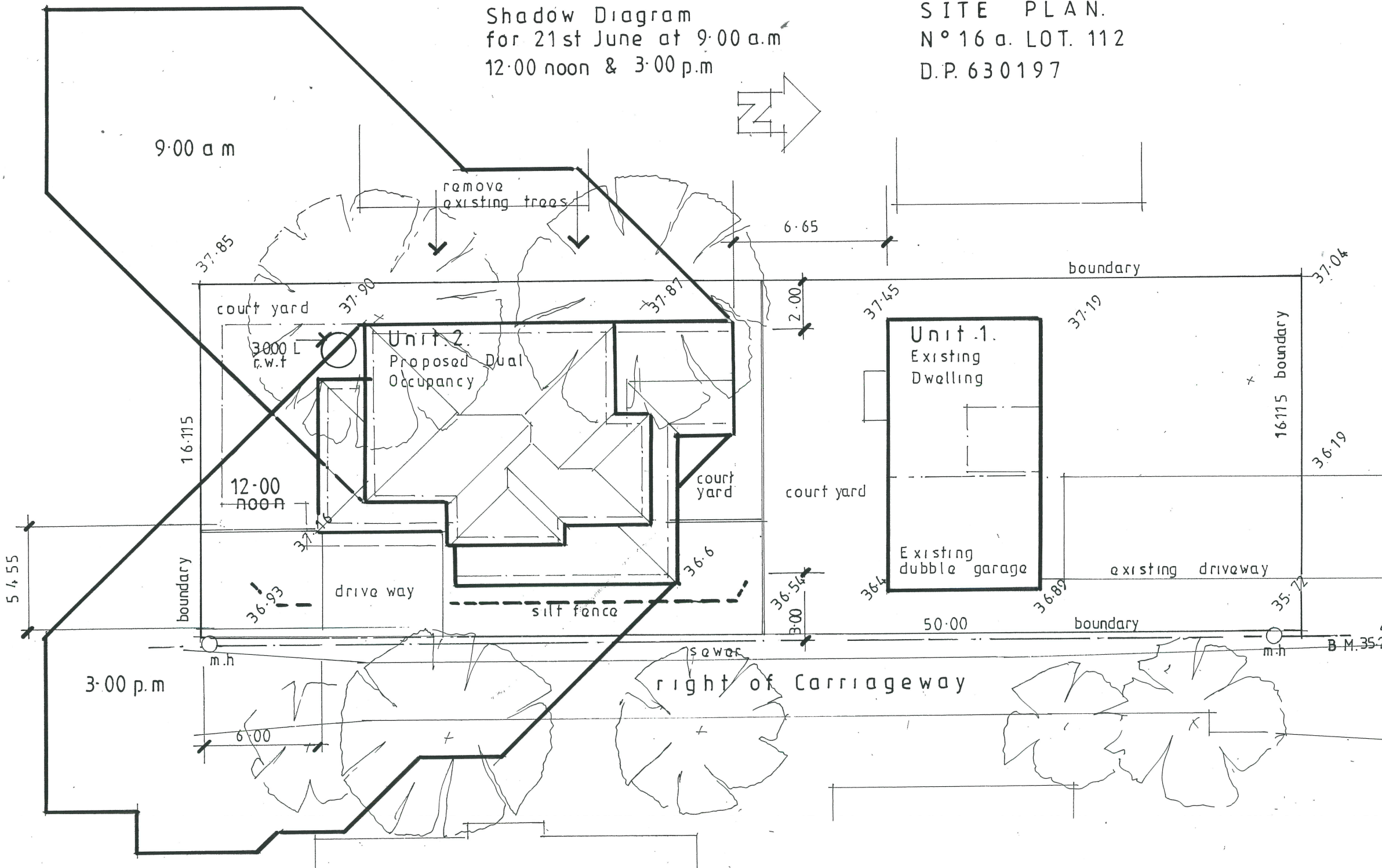


Shadow Diagram
for 21st June at 9:00 a.m
12:00 noon & 3:00 p.m

SITE PLAN.
N° 16 a. LOT. 112
D.P. 630197



JAMIESON STREET

GLAZING UNIT	SIZE	SHADING/(OVERSHADOWING)	NSEW
W1 - ENTRY	1506 = 0.90m ²	NONE	S
GROUP A	TOTAL = 0.90m²	NONE	S
D1 - ENTRY (TIMBER)	APPROX. 1608 = 1.28m ²	901-1200MM VERANDAH	S
GROUP B (TIMBER)	TOTAL = 1.28m²	901-1200MM VERANDAH	S
W2 - MEDIA	2118 = 3.78m ²	451-600MM EAVE/GUTTER	E
W3 - LIVING	2118 = 3.78m ²	451-600MM EAVE/GUTTER	E
GROUP C	TOTAL = 7.56m²	451-600MM EAVE/GUTTER	E
W4 - LIVING	1518 = 2.70m ²	451-600MM EAVE/GUTTER	N
W5 - LIVING	1518 = 2.70m ²	451-600MM EAVE/GUTTER	N
GROUP D	TOTAL = 5.40m²	451-600MM EAVE/GUTTER	N
W6 - LIVING	1515 = 2.25m ²	VERANDAH > 2000MM	W
GROUP E	TOTAL = 2.25m²	VERANDAH > 2000MM	W
W7 - FAMILY	2130 = 6.30m ²	VERANDAH > 2000MM	N
GROUP F	TOTAL = 6.30m²	VERANDAH > 2000MM	N
W8 - KITCHEN	0915 = 1.35m ²	NONE	W
W9 - LAUNDRY	0909 = 0.81m ²	NONE	W
GROUP G	TOTAL = 2.16m²	NONE	W
W10 - POWDER	0909 = 0.81m ²	NONE	S
GROUP H	TOTAL = 0.81m²	NONE	S
W12 - BED 1	1224 = 2.88m ²	451-600MM EAVE/GUTTER	E
W13 - STAIRS	1209 = 1.08m ²	451-600MM EAVE/GUTTER	E
W14 - BED 2	1218 = 2.16m ²	451-600MM EAVE/GUTTER	E
GROUP I	TOTAL = 6.12m²	451-600MM EAVE/GUTTER	E
W15 - BED 4	1218 = 2.16m ²	451-600MM EAVE/GUTTER	N
W16 - BED 3	0918 = 1.62m ²	451-600MM EAVE/GUTTER	N
GROUP J	TOTAL = 3.78m²	451-600MM EAVE/GUTTER	N
W17 - WC	0606 = 0.36m ²	451-600MM EAVE/GUTTER	W
GROUP K	TOTAL = 0.36m²	451-600MM EAVE/GUTTER	W
W18 - BATH	0912 = 1.08m ²	451-600MM EAVE/GUTTER	W
GROUP L	TOTAL = 1.08m²	451-600MM EAVE/GUTTER	W
W19 - ENSUITE	0606 = 0.36m ²	451-600MM EAVE/GUTTER	S
GROUP M	TOTAL = 0.36m²	451-600MM EAVE/GUTTER	S

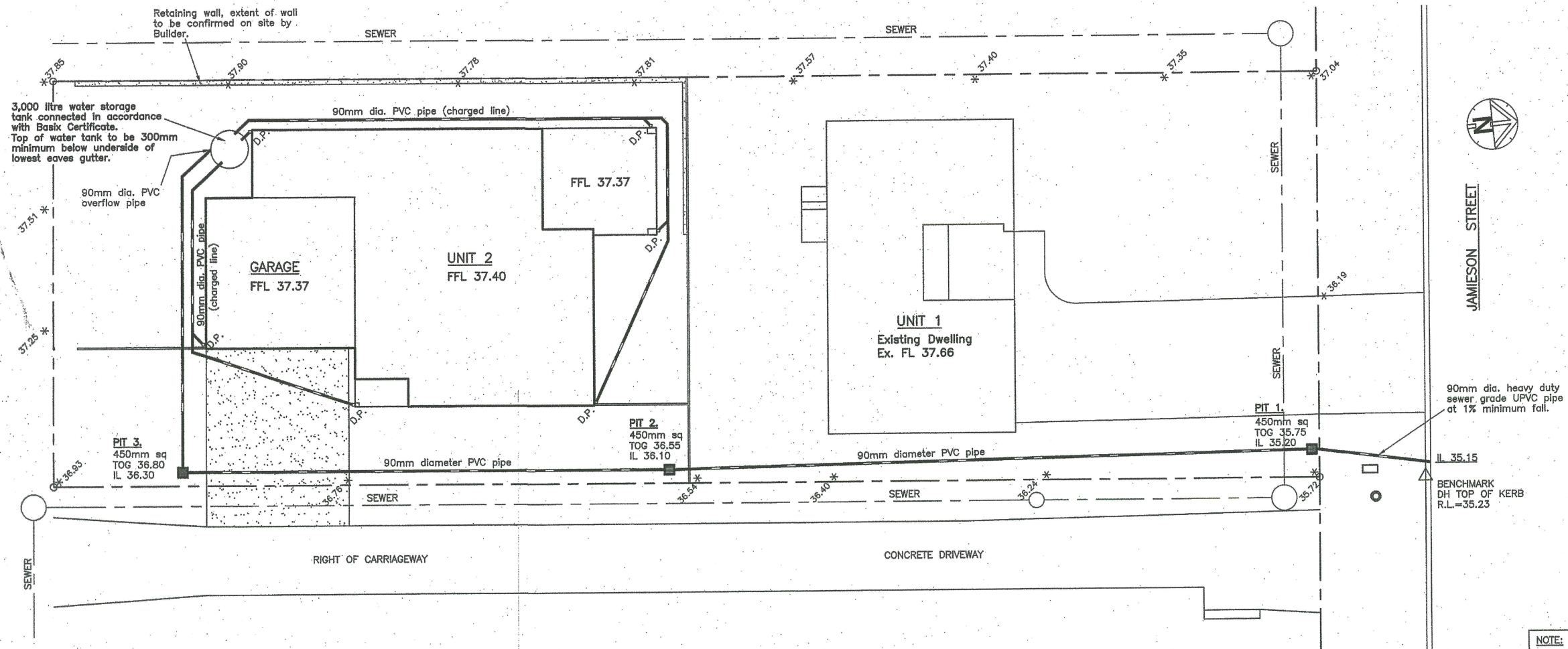
AREAS.

SITE	805.7
Zoning R2. L.O.S 50%	402.85
achieved 64%	515.85
UNIT.1 existing.	186.00
UNIT 2 proposed	
ground floor.	161.38
first floor	96.29
TOTAL	257.67

WINDOWS NOT SUBJECT TO BASIX:

W11 - GARAGE	0618 = 1.08m ²	451-600MM EAVE/GUTTER	S
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DRAWING N° 51.16.4



NOTE:
 Location of Sydney Water's sewer main, sewer connection lines, water pipes, stormwater drains, underground electricity lines and other services must be obtained prior to commencement of any work on site.
DIAL BEFORE YOU DIG 1100

PLAN - STORMWATER DRAINAGE

STORMWATER DRAINAGE NOTES:

- This drawing to be read in conjunction with the Architectural drawings, specifications and the remainder of the engineers drawings. Refer any discrepancies to the Architect before proceeding with construction.
- ALL LEVELS SHOWN ON DRAWING ARE TO BE CHECKED ON SITE BEFORE EXCAVATION OF PIPEWORK TO ENSURE CORRECT COVER AND FALL.
- All levels as detailed on Architectural drawing and are to be confirmed on site before the commencement of any work.
- All pipes and discharge have been calculated on the following design parameters:
 20 Year Recurrence Interval:
 6 minute storm duration.
 Rainfall Intensity 156 mm/hour
- Number and location of downpipes to be confirmed by builder.
- Pits 1 - 3 to be 450mm square with metal grates.
- Do not cover or conceal from view under ground or enclosed work until it has been inspected and approved by council.
- Concrete in pits and elsewhere in the drainage system to have a characteristic compressive strength in accordance with AS3600 of 20MPa.

- Trenches for drain pipes shall be of sufficient width to allow for backfilling firmly around pipes.
- Pipes shall be laid true to grade and alignment on firm, well rammed and compacted foundation.
- Any pipe which is not true alignment or grade or which shows any settlement after laying or which is damaged during laying or the operation of rolling the formation shall be taken up and replaced.
- Pits shall be formed at the depths indicated on the drawings or as necessary to give the required grades and falls to the drainage system. All soft, yielding and unsuitable material shall be removed from under the pits and the bed thoroughly compacted and finished to a firm surface of uniform bearing value.
- PROVIDE PERMANENTLY CLOSED SCREWED INSPECTION OPENING AT END OF PIPE IN PIT TO ALLOW FOR REGULAR MAINTENANCE OF CHARGED STORMWATER LINE.
- ALL CONNECTIONS IN STORMWATER PIPES AND DOWNPIPES IN CHARGED STORMWATER LINES TO WATER STORAGE TANKS MUST BE FULLY SEALED TO CONTAIN 2.0m WATER HEAD.

Issue	Date	App'd	DESCRIPTION
REVISIONS			



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 E-MAIL ADDRESS: kbhallengineers@gmail.com



SCALE 1:100
 DATE 8-2-17
 DRAWN P.Martin
 DESIGNED P.Andresen
 APPROVED P.Andresen

CLIENT: MR D. CLARKE
 PROPOSED DUAL OCCUPANCY AT
 16A JAMIESON STREET, EMU PLAINS.
 STORMWATER DRAINAGE DETAILS

DRAWING NUMBER
 103611-1
 ISSUE