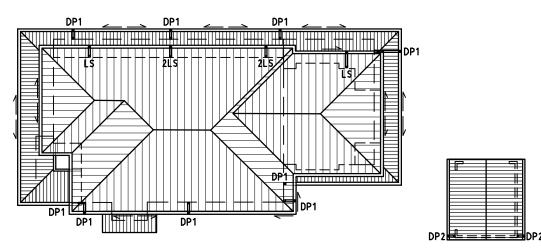


PUMP REQUIREMENTS

DESIGN PUMP RATE 1-10L/s STATIC HEAD 3.6m DISCHARGE LINE* DN50 PUMPED DISTANCE 12 m MIN WET WELL STORAGE 3.0m³ PUMP OPERATION PARALLEL ALTERNATE VISIBLE & AUDIBLE LOW LEVEL ALARM HIGH LEVEL ALARM VISIBLE & AUDIBLE

ALARM – RECHARGEABLE BATTERY BACK-UP SYSTEM REQD

* OR AS SPECIFIED BY PUMP MANUFACTURER



LEGEND:

→ 6.24

⇒DP1

⇔DP2

EXISTING SURFACE LEVEL (mAHD) MIN Ø100 uPVC STORMWATER PIPE MIN Ø100 DWV PIPE TO REUSE/OSD TANK

DIRECTION OF FLOW IN GUTTERS

Ø50 (NOM) RISING MAIN

100x75 RHS DOWNPIPE FROM EAVES GUTTER WITH MIN 9,200mm² EFFECTIVE CROSS-SECTIONAL AREA

MIN Ø75 DOWNPIPES FROM EAVES GUTTER WITH MIN 4,000mm2 EFFECTIVE CROSS-SECTIONAL AREA

CONCRETE/PAVED (IMPERVIOUS) SURFACE

ROOFING (IMPERVIOUS SURFACE) WITH DIRECTION OF FLOW PARALLEL TO HATCH

NOTES:

- 1. ALL DIMENSIONS TO BE CONFIRMED ON SITE. LEVELS AND SITE LAYOUT BASED ON SURVEY BY MEPSTEAD & ASSOCIATES DATED 25 NOVEMBER 2016 AND ARCHITECTURAL DA PLANS BY PLAYOUST CHURCHER. CONSULT ENGINEER SHOULD ANY DISCREPANCY ARISE OR AS REQUIRED FOR COORDINATION WITH OTHER SERVICES.
- 2. LOCATION OF ALL SERVICES MUST BE CONFIRMED ON SITE PRIOR TO COMMENCEMENT OF EXCAVATION WORKS.
- 3. ALL STORMWATER DRAINAGE PIPES AND ASSOCIATED DEVICES ARE TO BE INSTALLED IN ACCORDANCE WITH RELEVANT STANDARDS, THE BUILDING CODE OF AUSTRALIA, MANUFACTURER'S RECOMMENDATIONS, SYDNEY WATER AND LOCAL COUNCIL REQUIREMENTS, AS APPLICABLE.
- 4. ALL INVERT LEVELS PROVIDED ON THIS DRAWING ARE REDUCED TO AHD AND BASED ON INTERPOLATED SURFACE LEVELS AND SYSTEM REQUIREMENTS. CONSULT ENGINEER IF CHANGES ARE REQUIRED.
- 5. IT IS RECOMMENDED THAT ALL DOWNPIPES TO BE FITTED WITH LEAF BEATER RAINHEADS OR AN EQUIVALENT EXCLUSION DEVICE AND FIRST FLUSH DIVERTER TO MINIMISE DEBRIS IN SYSTEM AND ALL RAINWATER TO BE REUSED INTERNALLY BE APPROPRIATELY FILTERED.
- 6. PROVIDE MIN 25mm ANNULAR SPACE AROUND PIPEWORK CUT THROUGH FOOTINGS OR WALLS AND FILL SPACE WITH FLEXIBLE LINER. PROVIDE TWO FLEXIBLE JOINTS IN PIPEWORK AT 300mm AND 700mm FROM FACE OF FOOTING OR WALL. PENETRATIONS BELOW SURFACE LEVEL TO BE SEALED AND MADE WATERTIGHT. ALL RAINWATER AND STORMWATER PIPEWORK LAID WITHIN OR UNDER THE PROPOSED STRUCTURE IS TO BE DWV PIPE CHEMICALLY SEALED FOR PRESSURE FLOWS.
- 7. GUTTER AND DOWNPIPE DESIGN MAY BE VARIED TO SUIT 100 YEAR ARI EVENT IN ACCORDANCE WITH AS3500. ALL PIPEWORK CONNECTING TO RAINWATER REUSE/OSD TANK TO BE DWV PRESSURE PIPE, CHEMICALLY SEALED.
- 8. PROVIDE UNSEALED 100x75 RHS DOWNPIPE TO \$100 PIPE CONVERTERS TO ALLOW OVERFLOW AT DOWNPIPE CONNECTIONS IN CASE OF BLOCKAGE

ROOF PLAN

The information contained on this drawing has been prepared for the exclusive use of the Client for this project. No liability or responsibility is accepted for use of this information by any third party or for any other project.

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Α	ISSUED FOR DEVELOPMENT APPROVAL	KW	KW	17.07.19
ISSUE	DESCRIPTION	BY	APR	DATE

Waddington Consulting Pty Ltd

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PROPOSED NEW DWELLING 19 KOOLOORA AVENUE FRESHWATER

STORMWATER MANAGEMENT PLAN

11626-C1.00

ILENAME: 11626-C1.11 (A).DWG

DATE: MAY 201

SCALF:

ESIGN: K W

DRAWN: K.W.

SIGNED

