

GROUND FLOOR LAYOUT

REFER TO SHEET 2 FOR RAINWATER TANK DETAILS. LEAF GUTTER GUARDS OR SIMILAR SCREENING RECOMMENDED TO ALL GUTTERS.

WHSA HAZARD IDENTIFICATION: WHSA HAZARD IDENTIFICATION: TRENCHING—ALL PERSONS TO FOLLOW THEIR APPROVED SWMS IN RELATION TO BARRICADING DEEP TRENCHES AND WEARING APPROPRIATE CLOTHING. ANY PERSON WORKING INSIDE A TRENCH MUST BE SUPERVISED BY ANOTHER PERSON. DIAL BEFORE YOU DIG 1100 MUST BE CHECKED BEFORE ANY TRENCHING COMMENCES ON SITE. ANY WORKS NEAR IDENTIFIED SERVICES TO BE CARRIED OUT IN ACCORDANCE WITH THE TRADES SWMS. INSTALLATION OF DOWNPIPES AND GUTTERING TO BE CARRIED OUT IN ACCORDANCE WITH INSTALLERS APPROVED SWMS.

OSD EXEMPTION BASED ON SITE AREA LESS THAN 450sqm

OWNER RESPONSIBLE FOR ATTAINING COMPLIANCE WITH BCA FOR EXTERIOR GROUND LEVELS WHERE LEVELS AND FALLS AS SHOWN ARE NOT MAINTAINED. COMPLIANCE WITH OTHER AREAS INCLUDING BUT NOT LIMITED TO TERMITE PROTECTION MUST NOT BE COMPROMISED IN DOING SO.

PIPE SCHEDULE **LEGEND** REFER TO NOTES FOR PIPE CLASS TAG PIPE DIA. MIN. GRADE CHARGED R1 100 *B2* 100 1% C1 150 1% 150x100 GAL. PIPE 1% ALL OTHER SURFACE WATERS GULLY PIT TO BE STRICTLY CONNECTED TO A SEPARATE SYSTEM BY OVERFLOW-200x100 OWNER IN ACCORDANCE WITH AS 3500:.3:2003 AND BCA RWH/S RAIN WATER HEAD/SUMP DP WITH SPREADER PART 3.1.2.3. **O**SP **⊕**BG BALCONY GULLY PIT RAINWATER TANKS WITH PUMPS CLEANING EYE **◎** CE GROUND FALL

-ALL FINISHED FLOOR LEVELS ARE NOMINATED BY ARCHITECT. -ALL SITE SAFETY MEASURES AND WORK METHOD STATEMENTS R.L. 0.00 NEW REDUCED LEVEL (NEW FINISHED GROUND LEVEL) + 00.00 EXISTING LEVEL S.L. 0.00 SURFACE LEVEL I.L. 0.00 INVERT LEVEL T.O.W. TOP OF WALL LEVEL G.F.L.0.00 GARAGE FLOOR LEVEL PREPARED BY BUILDER/SUB-CONTRACTORS ARE TO BE IMPLEMENTED DURING CONSTRUCTION. NO WORK IS TO COMMENCE UNTIL ALL WORKERS CARRY OUT SITE INDUCTION, PREPARED AND CARRIED OUT BY BUILDER. ANY HAZARD IDENTIFICATION TO BE REPORTED IMMEDIATELY TO SITE SUPERVISOR TO CARRY OUT NECESSARY PROCEDURES TO ELIMINATE HAZARD, PRIOR TO PROCEEDING WITH WORK STRUCTURAL AND CEOTECHNICAL ADVICE G.F.L.O.OU GARAGE FLOOR LEVEL
F.F.L.O.OO FINISHED FLOOR LEVEL
A,B,C etc. SEE PIPE SCHEDULE
L1 PIPE LABEL
PIT P1 OVERLAND FLOW PIT
-G G GOMM. AG. LINE
DDP DOWNPIPE—SIZE PROCEEDING WITH WORK. STRUCTURAL AND GEOTECHNICAL ADVICE SHOULD BE SOUGHT IN ALL CASES.

-CONFINED SPACES SIGNAGE TO BE INSTALLED IN ACCESSIBLE UNDERGROUND TANKS TO WORK COVER SPECIFICATIONS. ALL PITS EXCEEDING 600mm DEPTH TO HAVE 'J' BOLTS OR SIMILAR INSTALLED TO GRATES. -MAINTENANCE DEVICES REQ'D BY AUTHORITIES ARE NOT TO BE ASSUMED SHOWN ON DRAWINGS. REFER TO NOTES FOR DP SIZE GARDEN GULLY PIT

TO SUPPLY GARDEN TAPS AND INTERNAL RE-USE AS PER BASIX ASSESSMENT

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STRUCTURAL ENGINEER

TO BE RAISED 100mm.

ASSUMED SHOWN ON DRAWINGS. -EARTH MOUNDING SHOWN AS TEMPORARY MEASURE UNTIL LANDSCAPING COMPLETED TO DIRECT FLOWS AS SHOWN. REVISIONS Raintank relocated per client request

JOINTS AND ACCESSORIES TO COMPLY WITH AS2179.2 &

-ALL FENCES WHICH MAY DIVERT FLOW FROM PROPOSED DIRECTION

BALCONIES TO HAVE OVERFLOW MECHANISM IN PLACE IN THE EVENT OF BLOCKAGE WITH ADEQUATE OVERFLOW SECTION THROUGH PLANTERS, PARAPETS ETC.

CHANGES OCCUR. —ALL GULLY POSITIONS ARE DIAGRAMMATIC ONLY— BUILDER SHOULD

CONSULT ARCHITECTURALS FOR DIMENSIONS TO LOCATE STORMWATER ELEMENTS U.N.O.

-BUILDER TO ENSURE ALL DRAINAGE AREAS INCLUDING EXPOSED

PLANTERS, PARAPETS ETC.

-ALL EXTERIOR FINISHED GROUND LEVELS TO BE SLOPING AWAY
FROM PERIMETER WALLS IN ALL CASES.

-ALL HEADROOM CLEARANCES TO BE COORDINATED BETWEEN
BUILDER & ARCHITECT. NOTIFY ENGINEER FOR APPROVAL IF ANY

-FIRE RATING TO ARCHITECT'S SPECIFICATION.

IBRAHIM STORMWATER CONSULTANTS SCALE(A3)1:200.100 u.n.o. SCALE BAR - 1m INTERVALS DATE SEPTEMBER 2019

P.O. BOX 400 CHERRYBROOK NSW 2126

TELEPHONE: (02) 9980 5515 FAX: (02) 9980 6114 www.stormwater.net.au email: mail@stormwater.net.au

PROPOSED RESIDENCE AT 51 AMOURIN STREET NORTH MANLY

100 HIGH EARTH

MOUNDING

STORMWATER LAYOUT SH.1 BUILDER

JOB NUMBER E9254-23885

SHEET NO EDEN BRAE HOMES of 2 REVISION

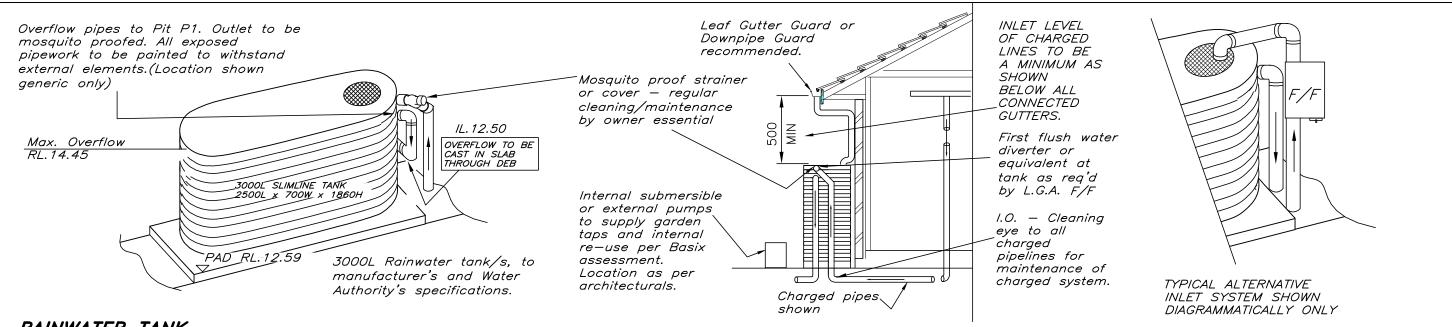
ISSUE ! PRINTS DATE ISSUED TO EMAIL BUILDER/CLIENT 7-9-19 EMAIL BUILDER / CLIENT 23-9-19

DRAWN M./. DESIGNED M./. APPROVED

CONSULTING CIVIL ENGINEERS

FOR MR COLLINS

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RAINWATER TANK

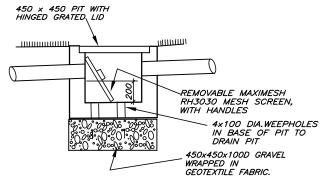
TANK DETAILS SHOWN ARE A SUGGESTED CONFIGURATION ONLY. ANY MODIFICATIONS TO TANK VOLUME OR INLET AND OUTLET LEVELS MUST BE APPROVED BY ENGINEER PRIOR TO COMMENCEMENT OF CONSTRUCTION. TANK SHAPE, & DEVICES SHOWN ARE DIAGRAMMATIC ONLY. MINIMUM OF 450 CLEARANCE (UNLESS L.G.A. REQUIRES LARGER SETBACK) TO SIDE BOUNDARIES MUST BE MAINTAINED. CLIENT IS RESPONSIBLE TO ENSURE COMPLIANCE WITH THIS IN THE INSTALLED STATE. Charged stormwater lines from Roof Areas ONLY to rainwater tank.

All joints to be solvent welded. All exposed pipework to be painted to withstand external elements.

First flush water diverter at tank to comply with Water Authority and council DCP's. An approved switch system similar to 'Rainbank' to be used via mains. Pumps to manuf. specs. Rain Tank to be installed and maintainted to manufacturers specifications and to comply with all Water Authority Guidelines.

Client to be responsible for maintenance system of charged 'pipelines. Debris accumulation significantly affects systems performance. Maintenance program essential. Structural details for tank base by manufacturer or others.

INSTALLATION OF RAINTANKS: PLUMBER/SITE SUPERVISOR TO ASSESS ACCESS SUITABILITY PRIOR OR POST SLAB CONSTRUCTION. INSTALLATION OF TANKS TO BE CARRIED OUT FOLLOWING SWMS OF TANK SUPPLIER AND PLUMBER. APPROPRIATE GLOVES TO BE WORN AT ALL TIMES WHILE HANDLING TANKS.



SILT ARRESTOR PIT - P1

WHSA
ALL NEARBY SERVICES TO BE LOCATED PRIOR EXCAVATIONS.
ALL PIPES TO BE CUT FLUSH WITH PIT WALLS AND SPARGED.
PITS EXCEEDING 600mm IN DEPTH TO HAVE LOCK DOWN MECHANISM.
SAFETY GEAR TO BE WORN AT ALL TIMES. INCLUDING FOOTWEAR, CLOTHING
AND GLOVES AS PER SWMS.

BUILDER/CLIENT TO ENSURE THAT ALL SAFETY MEASURES ARE TAKEN DURING CONSTRUCTION, INCLUDING BUT NOT LIMITED TO, SAFETY FENCING, SIGNAGE, OBTAINING STRUCTURAL AND GEOTECHNICAL ADVICE WHERE EXCAVATIONS ARE NEAR STRUCTURES OR SERVICES, SAFETY MEASURES RECOMMENDED BY PRODUCT SUPPLIERS ETC.

NE VISIONS						
Α	Raintank relocated per client request					

ISSUE	PRINTS	ISSUED TO	DATE
1	EMAIL	BUILDER/CLIENT	17-9-19
2	EMAIL	BUILDER/CLIENT	23-9-19

SCALE(A3)1:200,100 u.n.o. SCALE BAR - 1m INTERVALS DATE SEPTEMBER 2019 DRAWN M./. DESIGNED M./. APPROVED



CONSULTING CIVIL ENGINEERS

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PROPOSED RESIDENCE AT 51 AMOURIN STREET NORTH MANLY FOR MR COLLINS

STORMWATER DETAILS SH.1 BUILDER

SHEET No. EDEN BRAE HOMES

REVISION

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