

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

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.

- ALL GROUND LEVELS TO REMAIN UNALTERED IN ACCORDANCE WITH COUNCIL FLOOD REPORT.
 ALL NEW FENCING TO BE OPEN STYLE FENCING TO SATISFACTION OF COUNCIL.
 ALL MATERIALS TO BE FLOOD COMPATIBLE BELOW
- RL 23.10 AHD.

 ALL SERVICES BELOW THE FLOOD LEVEL ARE TO BE FLOOD PROOFED.
- ALL STRUCTURES TO BE DESIGNED TO WITHSTAND FLOOD WATERS PER COUNCIL FLOOD REPORT

TAG	PIPE DIA.	MIN.GRADE	
<i>B1</i>	100	O CHARGED	
B2	100	2%	
C1	150	1%	
D1	150x100 GAL. PIPE	1%	

ALL OTHER SURFACE WATERS TO BE STRICTLY CONNECTED TO A SEPARATE SYSTEM BY OWNER IN ACCORDANCE WITH AS 3500:.3:2003 AND BCA PART 3.1.2.3.

RAINWATER TANKS WITH PUMPS TO SUPPLY GARDEN TAPS AND INTERNAL RE-USE AS PER BASIX ASSESSMENT

+ 00.00	EXISTING LEVEL		
S.L. 0.00	SURFACE LEVEL		
1.L. 0.00	INVERT LEVEL		
T.O.W.	TOP OF WALL LEVEL		
G.F.L.0.00	GARAGE FLOOR LEVEL		
F.F.L.0.00	FINISHED FLOOR LEVEL		
A,B,C etc.	SEE PIPE SCHEDULE		
L 1	PIPE LABEL		
PIT P1	SURFACE INLET PIT		
PIT OP1	OVERLAND FLOW PIT		
-a -a	90mm. AG. LINE		
O DP	DOWNPIPE-SIZE		
REFER TO	NOTES FOR DP SIZE		
⊕ GP	GULLY PIT		
₿GP	GARDEN GULLY PIT		
= 0/F	OVERFLOW-200x100		
RWH/S	RAIN WATER HEAD/SUMP		
O SP	DP WITH SPREADER		
⊕BG	BALCONY GULLY PIT		

CLEANING EYE

GROUND FALL

100 HIGH EARTH MOUNDING

STORMWATER LAYOUT NOTES

-PITS UP TO 450 DEEP TO BE 350SQ U.N.O., PITS UP TO 600
DEEP TO BE 450 SQ U.N.O., PITS UP TO 900 DEEP TO BE 600
SQ U.N.O., PITS UP TO 1200 DEEP TO BE 900 x 600 U.N.O., PITS
EXCEEDING 1200 DEEP TO BE 900 SQ. U.N.O. PITS TO BE
PRECAST CONCRETE OR RENDERED BRICK WITH CONCRETE HEAVY DUTY GRATES. U.N.O. LIGHT DUTY PITS AND GRATES MAY BE USED ONLY IN LIGHT/FOOT TRAFFICABLE AREAS. U.N.O. ALL PITS TO BE BENCHED TO DISCHARGE PIPES U.N.O. GAL. STEP IRONS TO ALL PITS EXCEEDING 900 DEPTH.

-COVER AND SUMP GRATES SHALL COMPLY WITH AS2733 &

-DOWNPIPES TO BE 90 DIA IF CHARGED AND 100 x 50 BOX IF

GRAVITY. U.N.O. DP'S SHALL BE INSTALLED IN ACCORDANCE WITH AS3500.3.2:4.11 & AS4198. MAX. ROOF AREA PER DOWNPIPE WITH A NOMINATED GUTTER SIZE TO BE DETERMINED USING MANUFACTURERS SPECIFICATIONS WITH OVERFLOW PROVISIONS BY

-PIPES TO HAVE 1% MIN.GRADE U.N.O. BY PIT INVERTS. PIPES TO BE V.C. CLASS 'X' OR U.P.V.C. CLASS STORMWATER PIPE TO AS1254,1260,1273,1477,2179.2 AND WHERE EXPOSED TO DIRECT SUNLIGHT TO HAVE ADEQUATE PROTECTION TO U.V. RADIATION IN ACCORDANCE WITH AS2032. SEWER GRADE/GAL. PIPES AND KERB ADAPTORS TO BE USED WHERE COUNCIL POLICY OR CONSENT REQUIRE SUCH.

REQUIRE SUCH.
—GUTTER OUTLETS SHALL BE FITTED VERTICALLY TO THE SOLE OF
THE EAVE GUTTERS. RAINHEADS TO HAVE AN OVERFLOW DUCT OR WEIR 50mm BELOW THEIR CREST.

-PROVIDE OVERFLOW SPITTERS TO ALL COVERED BALCONIES/ TERRACES. NOT TO BE DIRECTED ON TO ROOF SURFACES -RISING MAINS (PRESSURE PIPE) TO BE IN ACCORDANCE WITH AS3500.1:2.

AS3500.1:2.
-SUBSOIL DRAINS TO BE IN ACCORDANCE WITH AS2439.1 CLASS
100 TO BE USED ONLY IN SINGLE DWELLINGS.
-ALL PIPE JOINTS, VALVES TO BE IN ACCORDANCE WITH
AS3500.3.2:2.7 & AS3500.3.2

-EXPANSION JOINTS SHALL COMPLY WITH AS3500.3.2:TABLE 4.1 PVC JOINTS AND ACCESSORIES TO COMPLY WITH AS2179.2 & ASULUSTRENCHES TO BE IN ACCORDANCE WITH AS3500.3.2:7.2.8-14. EMBEDMENT MATERIAL AND TRENCH FILL TO ALL PIPES & SUBSOIL, DRAINS TO BE IN ACCORDANCE WITH AS3500.3.2:7, ALL WORKS TO BE IN ACCORDANCE WITH AS1254, 1741, 2032, 2733, 2865, 3996, 1260, 1477, 2179.1 & 2,2566, 6367, 8301, ARR97

-IT IS THE BUILDER'S RESPONSIBILITY TO CONFIRM THAT LEVELS AND SURVEYS ARE IN ACCORDANCE WITH LEVELS ON SITE & ARE APPROVED BY COUNCIL & ARCHITECT BEFORE COMMENCING WORK.

-NO SEWER VENTS, GULLY PITS OR SIMILAR TO BE LOCATED BELOW THE MAXIMUM WATER SURFACE LEVEL IN DETENTION BASINS. ALL BASIN WALLS TO BE WATERTIGHT & STRUCTURALLY DESIGNED BY A STRUCTURAL ENGINEER.

-ALL FENCES WHICH MAY DIVERT FLOW FROM PROPOSED DIRECTION TO BE RAISED 100mm.

-BUILDER TO ENSURE ALL DRAINAGE AREAS INCLUDING EXPOSED BALCONIES TO HAVE OVERFLOW MECHANISM IN PLACE IN THE EVENT OF BLOCKAGE WITH ADEQUATE OVERFLOW SECTION THROUGH

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 CHANGES OCCUR.

-ALL GULLY POSITIONS ARE DIAGRAMMATIC ONLY— BUILDER SHOULD CONSULT ARCHITECTURALS FOR DIMENSIONS TO LOCATE STORMWATER

ELEMENTS U.N.O.

ELEMENTS U.N.O.

-FIRE RATING TO ARCHITECT'S SPECIFICATION.

-ALL FINISHED FLOOR LEVELS ARE NOMINATED BY ARCHITECT.

-ALL SITE SAFETY MEASURES AND WORK METHOD STATEMENTS

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

PEPOPLED IMPEDIATELY TO SITE SUBPRISION TO CARRY OUT 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 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.
—EARTH MOUNDING SHOWN AS TEMPORARY MEASURE UNTIL

LANDSCAPING COMPLETED TO DIRECT FLOWS AS SHOWN.



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ISSUE **PRINTS** ISSUED TO DATE EMAIL BUILDER/CLIENT -8-21

SCALE(A3) 1:200,100 u.n.o. SCALE BAR - 1m INTERVALS DATE AUG . 2021 DRAWN M./. DESIGNED M./.

APPROVED



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PROPOSED RESIDENCE AT 48 HENDY AVENUE **PANANIA** FOR MR. JACOB & MRS. JACOB

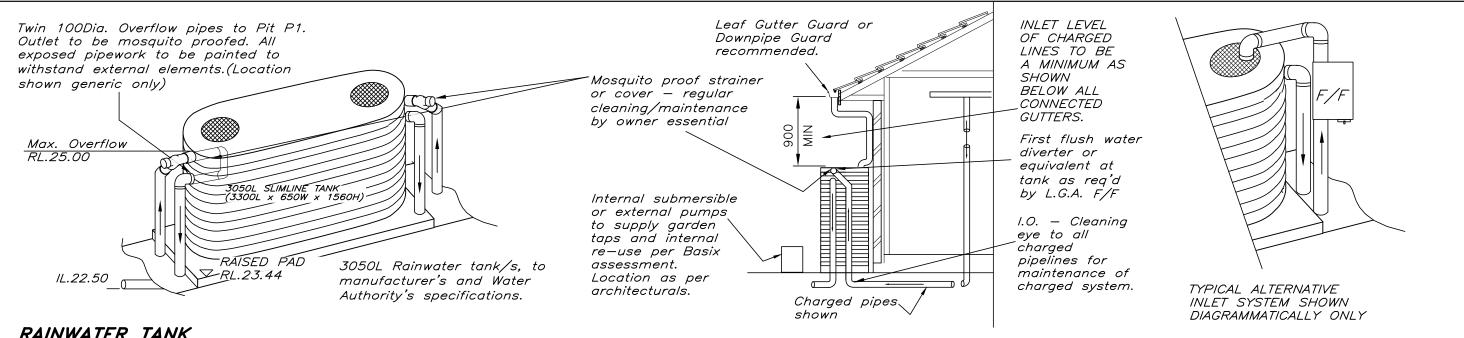
THIS DRAWING STORMWATER LAYOUT SH.1

JOB NUMBER M10253-606379

MJH HOMES

REVISION

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RAINWATER TANK

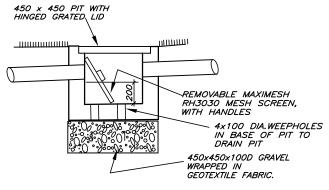
TANK DETAILS SHOWN ARE A SUGGESTED CONFIGURATION ONLY. ANY MODIFICATIONS TO TANK VOLUME OR INLET AND OUTLET LEVELS MUST BE APPROVED BY ENGINEER PRIOR TO COMMENCEMENT OF CONSTRUCTION. TANK SHAPE, & DEVICES SHOWN ARE DIAGRAMMATIC ONLY. MINIMUM OF 450 CLEARANCE (UNLESS L.G.A. REQUIRES LARGER SETBACK) TO 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

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.

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I REVISIONS 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.

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ISSUE	PRINTS	ISSUED TO	DATE
1	EMAIL	BUILDER/CLIENT	9-8-21

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PROPOSED RESIDENCE AT 48 HENDY AVENUE PANANIA FOR MR. JACOB & MRS. JACOB

THIS DRAWING STORMWATER DETAILS SH.1 BUILDER

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