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BM 72 RL 39. (AHD)

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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.

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S.L.39.65

I.L.38.80

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

INSTALLATION OF DOWNPIPES AND GUTTERING TO BE CARRIED OUT IN ACCORDANCE WITH INSTALLERS APPROVED SWMS.

PIPE SCHEDULE REFER TO NOTES FOR PIPE CLASS						
TAG	PIPE DIA.	MIN.GRADE				
B1	100	CHARGED				
<i>B2</i>	100	2%				
C1	150	1%				
D1	125×75 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

LEGEND 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

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			
L1	PIPE LABEL			
PIT P1	SURFACE INLET PIT			
PIT OP1	OVERLAND FLOW PIT			
-aa-	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			
T SP	DP WITH SPREADER			
⊕ BG	BALCONY GULLY PIT			
⊙ CE	CLEANING EYE			
——⊳	GROUND FALL			
1111	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
EXCEDING 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
PROVIDED TO DISCUMPED PROPERTY OF ALL PITS TO ALL

OF THE PROPERTY OF THE PROPERTY OF ALL PITS TO BE ALL 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.

-GUTTER OUTLETS SHALL BE FITTED VERTICALLY TO THE SOLE OF THE EAVE GUTTERS. RAINHEADS/BOX GUTTER SUMPS TO HAVE AN OVERFLOW DUCT OR WEIR IN ACCORDANCE WITH AS3500 . -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.

-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 & AS4198. -ALL TRENCHES 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

& BCA.

-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 FNGINFFR.

-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 BUILDED & APPOINTMENT MOTIES FROM PERIMETER WALLS FOR SUPPLIED & APPOINTMENT MOTIES FOR SUPPLIED & APPOINTMENT MOTIES FOR PERIMETER APPOINTMENT APPOIN

BUILDER & ARCHITECT. NOTIFY ENGINEER FOR APPROVAL IF ANY CHANGES OCCUR.

CHANGES OCCUR.
—ALL GULLY POSITIONS ARE DIAGRAMMATIC ONLY— BUILDER SHOULD
CONSULT ARCHITECTURALS FOR DIMENSIONS TO LOCATE

STORMWATER ELEMENTS U.N.O.

-FIRE RATING TO ARCHITECT'S SPECIFICATION. -ALL FINISHED FLOOR LEVELS ARE NOMINATED BY ARCHITECT. -ALL FINISHED FLOUR 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 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.



NG IS DIAGRAMMATIC ONLY & NOT TO BE SCALED. IT IS NOT A PART 44 CERT

REVIS	SIONS

APPROVED

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 74 SOLDIERS AVENUE FRESHWATER, FOR MS M. KAYE & MR R. A. SMITH

JOB NUMBER

LAYOUT SH.1 M11372-652201

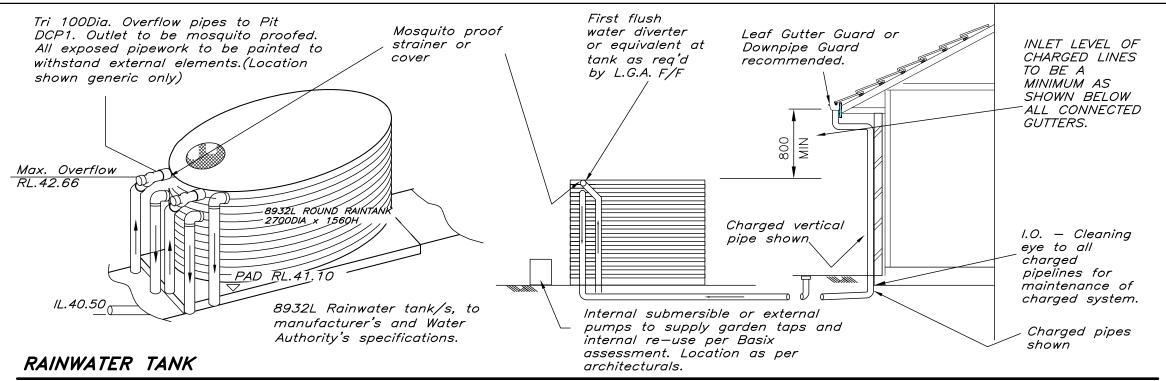
REVISION

 \Box

BUILDER MOJO HOMES

1 of 2

SHEET No.



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.

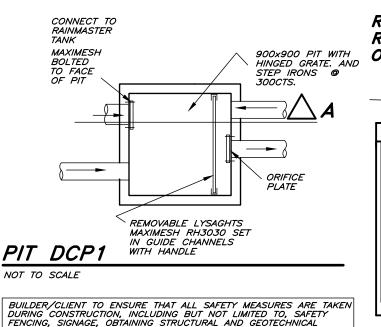
All joints to be solvent welded. All exposed pipework to be painted to withstand external elements.

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

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.

WHSA HAZARD IDENTIFICATION:

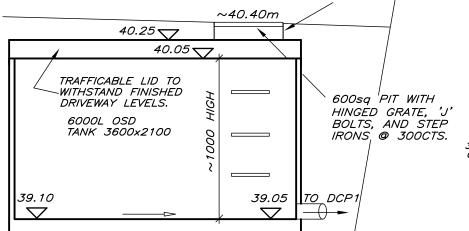
INSTALLATION OF RAINTANKS: PLUMBER/SITE SUPERVISOR TO ASSESS ACCESS SUITABILITY PRIOR OR POST SLAB CONSTRUCTION. INSTALLATION OF TANKS TO BE CARRIED OUT FOLLOWING SWMS OF TANK SUPPLIER AND PLUMBER. APPROPRIATE GLOVES TO BE WORN AT ALL TIMES WHILE HANDLING TANKS.







owner responsible for final landscape level co-ordination. Pit DCP1 and Access grate may have risers added to them however owner shall be responsible for modifications required to orifice plate in the event a riser is added to pit DCP1.



IRONS @ 300CTS. 40.40 93 DIA. ORIFICE PLATE MACHINE MAXIMESH CUT IN 3mm BOLTED TO FACE OF PIT STAINLESS STEEL PLATE BOLTED TO PIT WALL. 39.04 38.84 30DIA. WEEPHOLES @200 CTS. IN BASE OF PIT TO 900x900x200 DRAIN SUMP __ DEEP SEDIMENT COLLECTION SUMP 200deep x (600x600) 15mm GRAVEL WRAPPED IN GEOTEXTILE FABRIC.

PIT DCP1 -SECTION A

	ISSUE	PRINTS	ISSUED TO	DATE
	1	EMAIL	BUILDER/CLIENT	30-11-23
l				
_ 11				

SCALE(A3)1:200,100 u.n.o. SCALE BAR - 1m INTERVALS DATE NOV . 2023 DRAWN M./. DESIGNED M./.

APPROVED



IBRAHIM STORMWATER CONSULTANTS

P.O. BOX 400 CHERRYBROOK NSW 2126 TELEPHONE: (02) 9980 5515 FAX: (02) 9980 6114

REMOVABLE MAXIMESH RH3030

MESH SCREEN, WITH HANDLES

PROPOSED RESIDENCE AT 74 SOLDIERS AVENUE FRESHWATER. FOR MS M. J. KAYE & MR R. A. SMITH

STORMWATER DETAILS SH.1 BUILDER

MOJO HOMES

REVISIONS

900x900 PIT WITH

HINGED GRATE, 'J'

BOLTS, AND STEP

M11372-652201

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2 of 2

CONFINED SPACE NO ENTRY WITHOUT **CONFINED SPACE** TRAINING Signage to be provided to Tank Lid. Access to be limited as per AS 2865-1995 Safe Working in a Confined Space.

THIS IS AN **ON-SITE STORMWATER DETENTION SYSTEM**

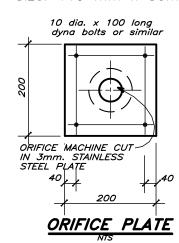
Size: 187.5 mm x 250mm

REQUIRED BY YOUR LOCAL COUNCIL IT IS AN OFFENSE TO REDUCE THE VOLUME OR TO INTERFERE WITH THE ORIFICE PLATE THAT CONTROLS THE

OUTFLOW THE BASE OF THE OUTLET CONTROL PIT AND DEBRIS SCREEN MUST BE CLEANED OF DEBRIS AND SEDIMENT ON A REGULAR BASIS BY THE OWNER

THIS PLATE MUST NOT BE REMOVED

Signange to be provided adjacent tank Size: 110 mm x 80mm



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