

GROUND FLOOR LAYOUT

REFER TO SHEET 2 FOR RAINWATER TANK DETAILS. LEAF GUTTER GUARDS OR SIMILAR SCREENING RECOMMENDED TO ALL GUTTERS. BOX GUTTERS AND RWH/S TO BE DETAILED BY SUPPLIER/INSTALLER IN ACCORDANCE WITH AS3500 U.N.O. 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.

> HALF ROUND FLAT BACK GUTTER (7800samm)

		LEGEND	
		R.L. 0.00	NEW REDUCED LEVE
PIPE DIA.	MIN.GRADE		HED GROUND LEVEL) EXISTING LEVEL
400	CHARGED		SURFACE LEVEL
100		1.L. 0.00	INVERT LEVEL
100	2%	T.O.W.	TOP OF WALL LEVE
		G.F.L.0.00	GARAGE FLOOR LEVE
150	1%	F.F.L.0.00	FINISHED FLOOR LEV
		A,B,C etc.	SEE PIPE SCHEDUL
150x100 GAL. PIPE	1%	L/	PIPE LABEL
			SURFACE INLET PI
			OVERLAND FLOW PI 90mm. AG. LINE
TED DRAIN	BY OWNER		DOWNPIPE-SIZE
			NOTES FOR DP SIZE
OTHER SURF	ACE WATERS		GULLY PIT
BE STRICTLY	CONNECTED		GARDEN GULLY PIT
A SEPARATE	SYSTEM BY		
ER IN ACCOR	DANCE WITH		OVERFLOW-200x100
AS 3500:.3:2003 AND BCA PART 3.1.2.3.			RAIN WATER HEAD/SUN
			DP WITH SPREADER
			BALCONY GULLY PIT
RAINWATER TANKS WITH PUMPS TO SUPPLY GARDEN TAPS AND			CLEANING EYE
			GROUND FALL
))))	100 HIGH EARTH MOUNDING
	TO NOTES FOR PIPE DIA. 100 150 150×100 GAL. PIPE TED DRAIN OTHER SURF. BE STRICTLY A SEPARATE ER IN ACCOR. 3500.3:200. PART 3.1 WATER TANKS UPPLY GARDU ERNAL RE-U	PIPE DIA. MIN.GRADE 100 CHARGED 100 2% 150 1% 150×100 1% ED DRAIN BY OWNER OTHER SURFACE WATERS BE STRICTLY CONNECTED AS SEPARATE SYSTEM BY ER IN ACCORDANCE WITH 3500:.3:2003 AND BCA PART 3.1.2.3. WATER TANKS WITH PUMPS	### TO NOTES FOR PIPE CLASS PIPE DIA. MIN.GRADE

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 PROPERT 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

& 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 PER NCC
WITH ADEQUATE OVERFLOW SECTION THROUGH PLANTERS, PARAPETS
ETC. REFER TO ARCHT. FOR BALCONY DRAINAGE DETAILS
—ALL EXTERIOR FINISHED GROUND LEVELS TO BE SLOPING AWAY
FROM PERIMETER WALLS IN ALL CASES.
—ALL HEADROOM CLEARANCES TO BE COORDINATED BETWEEN

BUILDED & APPLITTED NOTICE ENONETED FOR APPROVALIE AND

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.

-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 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. IG IS DIAGRAMMATIC ONLY & NOT TO BE SCALED IT IS NOT A PART 44 CER

 \mathbf{O} REVISIONS R₹ Η

DRAWN M./. DESIGNED M./. APPROVED



IBRAHIM STORMWATER CONSULTANTS

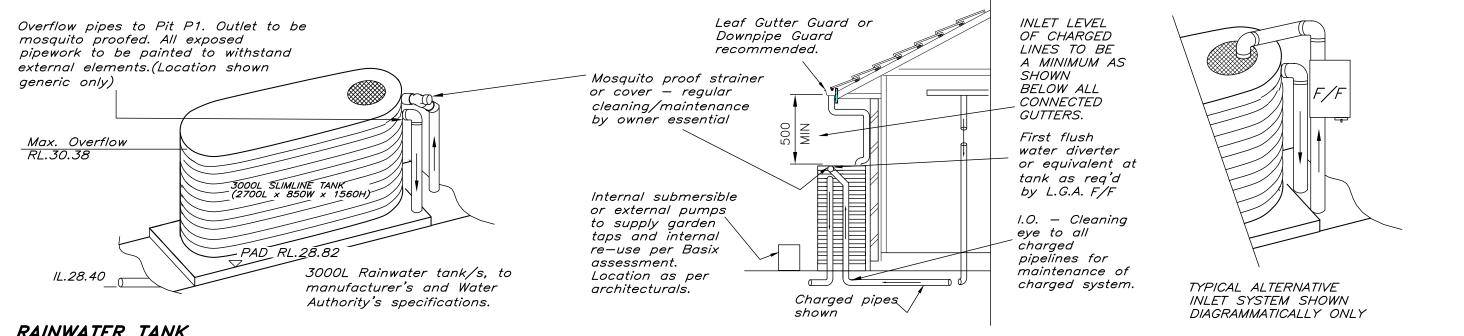
P.O. BOX 400 CHERRYBROOK NSW 2126 TELEPHONE: (02) 9980 5515 FAX: (02) 9980 6114 www.stormwater.net.au email: mail@stormwater.net.au

PROPOSED RESIDENCE AT 44 MCCROSSIN AVENUE **BIRRONG** FOR MR & MS LY & MRS DOAN STORMWATER

LAYOUT SH.1

SHEET No CLARENDON HOMES of 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.

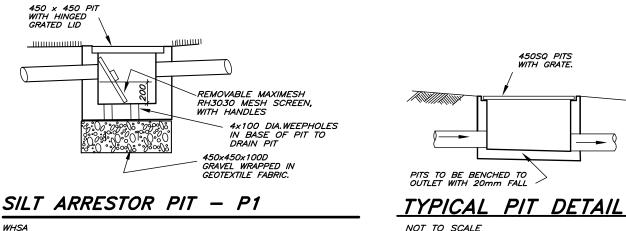
All joints to be solvent welded. All exposed pipework to be painted to withstand external elements.

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.

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.



WHSA 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.

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I REVISIONS BUILDER/CLIENT TO ENSURE THAT ALL SAFETY MEASURES ARE TAK 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	21-3-25
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SCALE(A3)1:200,100 u.n.o. SCALE BAR - 1m INTERVALS DATE FEB . 2025 DRAWN M./. DESIGNED M./. APPROVED



IBRAHIM STORMWATER CONSULTANTS

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

PROPOSED RESIDENCE AT 44 MCCROSSIN AVENUE FOR MR & MS LY & MRS DOAN

THIS DRAWING STORMWATER DETAILS SH.1 CLARENDON HOMES

JOB NUMBER C12033-17477 D

SHEET No. 2 of 2