

ISSUE

PRINTS

EMAIL

ISSUED TO

BUILDER/CLIENT

DATE

7-12-22

SCALE(A3) 1:200,100 u.n.o.

DATE NOV . 2022

DRAWN M./.

APPROVED

DESIGNED M./.

SCALE BAR - 1m INTERVALS

IBRAHIM STORMWATER CONSULTANTS

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

PROPOSED RESIDENCE AT 11 GREENDALE AVENUE FRENCHS FOREST, FOR MR. WIMALASIRI & MRS. MEYER

STORMWATER LAYOUT SH.1

STORMWATER LAYOUT NOTES

PITS EXCEEDING 900 DEPTH.

WEIR 50mm BELOW THEIR CREST.

STRUCTURAL ENGINEER

CHANGES OCCUR.

ELEMENTS U.N.O.

INSTALLED TO GRATES.

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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 FXCFFDING 900 DEPTH.

-COVER AND SUMP GRATES SHALL COMPLY WITH AS2733 &

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

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 TO HAVE AN OVERFLOW DUCT OR

-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

TO BE RAISED 100mm.
-BUILDER TO ENSURE ALL DRAINAGE AREAS INCLUDING EXPOSED

-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.
-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

CALLY 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 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

-MAINTENANCE DEVICES REQ'D BY AUTHORITIES ARE NOT TO BE

EXCEEDING 600mm DEPTH TO HAVE 'J' BOLTS OR SIMILAR

ASSUMED SHOWN ON DRAWINGS. —EARTH MOUNDING SHOWN AS TEMPORARY MEASURE UNTIL

ANDSCAPING COMPLETED TO DIRECT FLOWS AS SHOWN.

I REVISIONS

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

JOB NUMBER

C11165-16047

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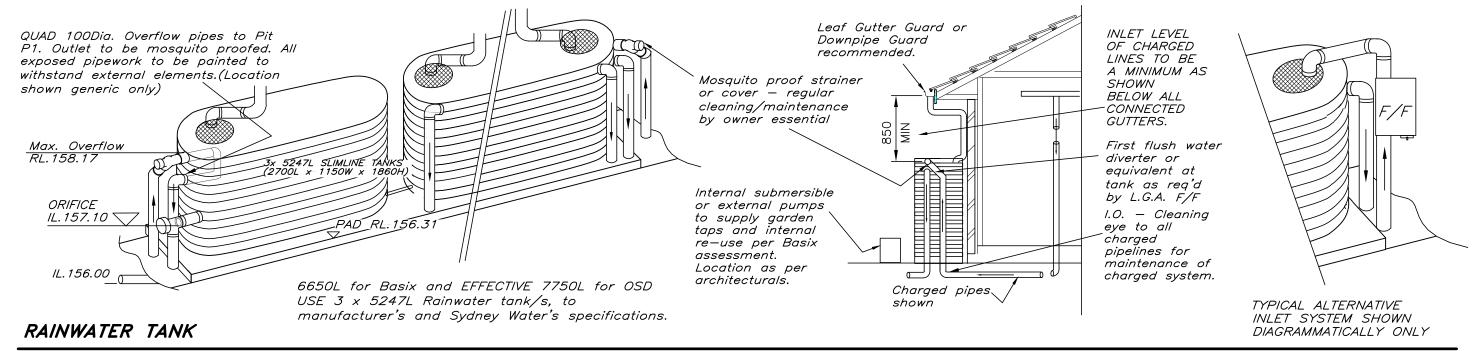
SHEET No.

REVISION

J

CLARENDON HOMES

1 of 2



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.

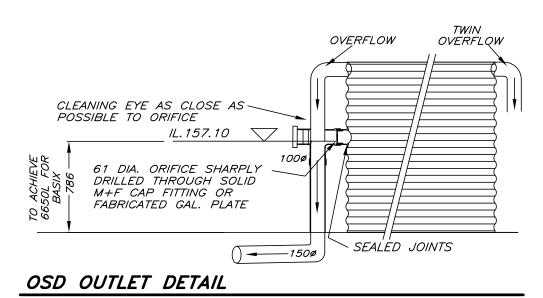
Charged stormwater lines from Roof Areas ONLY to rainwater tank. All joints to be solvent welded. All exposed pipework to be painted to withstand external elements.

First flush water diverter at tank to comply with Sydney Water 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 Sydney Water 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:

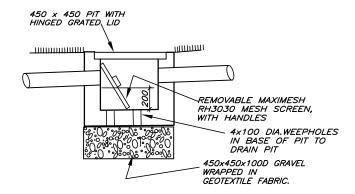
INSTALLATION OF RAINTANKS: PLUMBER/SITE SUPERVISOR TO ASSESS ACCESS SUITABILITY PRIOR OR POST SLAB CONSTRUCTION.
INSTALLATION OF TANKS TO BE CARRIED OUT FOLLOWING SWMS OF TANK SUPPLIER AND PLUMBER. APPROPRIATE GLOVES TO BE WORN AT ALL TIMES WHILE HANDLING TANKS.



THIS IS AN **ON-SITE STORMWATER DETENTION SYSTEM** 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 tanks Size: 110 mm x 80mm



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.

THIS DRAWING IS DIAGRAMMATIC ONLY & NOT TO BE SCALED. IT IS NOT A PART 4A CERT.

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REPRODUCED OR COPIED, WHOLE OR IN PART, IN ANY FORM WITHOUT THE PRIOR

WRITTEN APPROVAL OF IBRAHMS TORMWATER CONSULTANTS

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 EMAIL BUILDER/CLIENT 7-12-22 SCALE(A3)1:200,100 u.n.o. SCALE BAR - 1m INTERVALS DATE NOV . 2022 DRAWN M./. DESIGNED M./. APPROVED



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STORMWATER DETAILS SH.1 CLARENDON HOMES

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SHEET No. 2 of 2