

GROUND FLOOR LAYOUT

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

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

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.

PIPE SCHEDULE REFER TO NOTES FOR PIPE CLAS TAG PIPE DIA. MIN.GRADE B1 100 CHARGED B2 2% 100

1%

150

150

C1

C2

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 LEVE | (NEW FINISHED GROUND LEVEL) | | + 00.00 | EXISTING LEVEL | | S.L. 0.00 | SURFACE 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 G.F.L.0.00 GARAGE FLOOR LEVEL F.F.L.0.00 FINISHED FLOOR LEVEL A,B,C etc. SEE PIPE SCHEDULE L1 PIT P1 SURFACE INLET PIT PIT OP1 OVERLAND FLOW PIT -G G DOMMPIPE—SIZE BEFER TO MOTES FOR DESIZE REFER TO NOTES FOR DP SIZE GULLY PIT **⊕**GP GARDEN GULLY PIT **⊞**GP **=**0/F OVERFLOW-200x100 RWH/S RAIN WATER HEAD/SUMP **Ò**SP **⊕**BG DP WITH SPREADER BALCONY GULLY PIT CLEANING EYE **⊚** CE GROUND FALL 100 HIGH EARTH MOUNDING))))

STORMWATER LAYOUT NOTES

INSTALL FRS.

-PITS UP TO 600 DEEP TO BE 450 x 450 U.N.O., PITS UP TO 900 DEEP TO BE 600 x 600 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.
-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.
-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

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

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.

CALLY POSITIONS ARE DIAGRAMMATIC ONLY— BUILDER SHOULD CONSULT ARCHITECTURALS FOR DIMENSIONS TO LOCATE STORMWATER

ELEMENTS U.N.O.

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-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
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

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

ANDSCAPING COMPLETED TO DIRECT FLOWS AS SHOWN.



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REVISIONS		

EMAIL BUILDER/CLIENT 22-1-20 SCALE BAR - 1m INTERVALS DATE OCT . 2019 DRAWN M./. DESIGNED M./.

APPROVED

IBRAHIM STORMWATER CONSULTANTS

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PROPOSED RESIDENCE AT 128 ELANORA ROAD **ELANORA HEIGHTS** FOR MR & MRS BELIKOFF THIS DRAWING STORMWATER LAYOUT SH.1

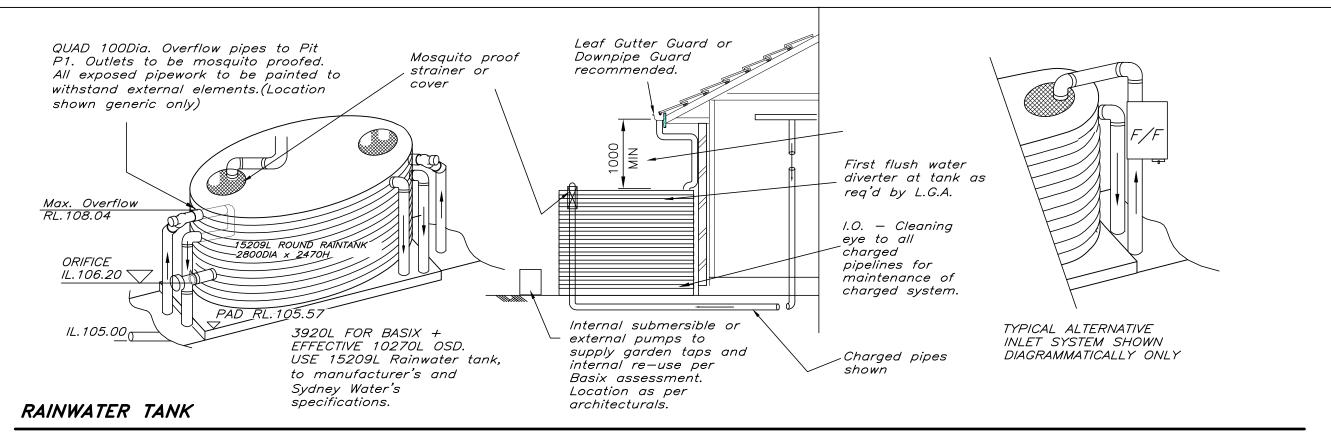
METRICON HOMES

JOB NUMBER

M9319-702879

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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.

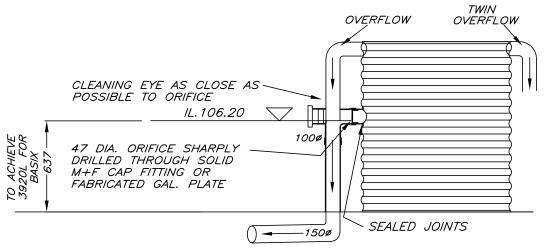
First flush water diverter at tank to comply with Sydney Water and council DCP's. An approved switch system similar to 'Rainbank' to be used via mains.

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.

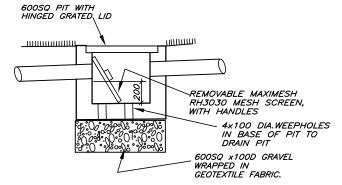


ON-SITE STORMWATER DETENTION SYSTEM REQUIRED BY YOUR LOCAL COUNCIL IT IS AN OFFENSE TO REDUCE THE VOLUME OR TO INTERFERE WITH THE ORIFICE PLATE THAT CONTROLS THE OUTFLOW THE BASE OF THE OUTLET CONTROL PIT AND DEBRIS SCREEN MUST BE CLEANED OF DEBRIS AND SEDIMENT ON A REGULAR BASIS BY THE OWNER

THIS PLATE MUST NOT BE REMOVED

THIS IS AN

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



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

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BUILDER/CLIENT TO ENSURE THAT ALL SAFETY MEASURES ARE TAKE 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.

EN.	REVISIONS			

ISSUE | PRINTS ISSUED TO DATE EMAIL BUILDER/CLIENT 22-1-20

OSD OUTLET DETAIL

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



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THIS DRAWING STORMWATER DETAILS SH.1 BUILDER METRICON HOMES

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SHEET No.

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