

## GROUND FLOOR LAYOUT

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

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

OWNER RESPONSIBLE FOR ATTAINING COMPLIANCE WITH BCA FOR EXTERIOR GROUND LEVELS WHERE LEVELS AND FALLS AS SHOWN ARE NOT MAINTAINED. COMPLIANCE WITH OTHER AREAS INCLUDING BUT NOT LIMITED TO TERMITE PROTECTION MUST NOT BE COMPROMISED IN DOING SO.

### | R.L. 0.00 | NEW REDUCED LEVE | (NEW FINISHED GROUND LEVEL) | | + 00.00 | EXISTING LEVEL | | S.L. 0.00 | SURFACE LEVEL | PIPE DIA. MIN.GRADE CHARGED 100 O.OO INVERT LEVEL D.W. TOP OF WALL LEVEL T.O.W. TOP OF WALL LEVEL F.L.O.OO GARAGE FLOOR LEVEL 100 2% A,B,C etc. SEE PIPE SCHEDULE L1 PIPE LABEL PIT P1 SURFACE INLET PIT 150 1% PIT OP1 OVERLAND FLOW PIT G G 90mm. AG. LINE ODP DOWNPIPE-SIZE REFER TO NOTES FOR DP SIZE ALL OTHER SURFACE WATERS TO BE STRICTLY CONNECTED GULLY PIT **⊕**GP GARDEN GULLY PIT ₫GP TO A SEPARATE SYSTEM BY **=**0/F OVERFLOW-200x100 OWNER IN ACCORDANCE WITH AS 3500:.3:2003 AND BCA RWH/S RAIN WATER HEAD/SUMP DP WITH SPREADER PART 3.1.2.3. **A**BG BALCONY GULLY PIT

LEGEND

### 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.

-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

AS3500.7:2.

-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

-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.

-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 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						

DESIGNED M./.

APPROVED



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BASIX ASSESSMENT

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PROPOSED RESIDENCE AT 46 FERGUSON STREET FORESTVILLE, FOR MS SOHAIL & BUILDER MR F. A. SHARIFF

CLEANING EYE

GROUND FALL

100 HIGH EARTH MOUNDING

**STORMWATER** LAYOUT SH.1

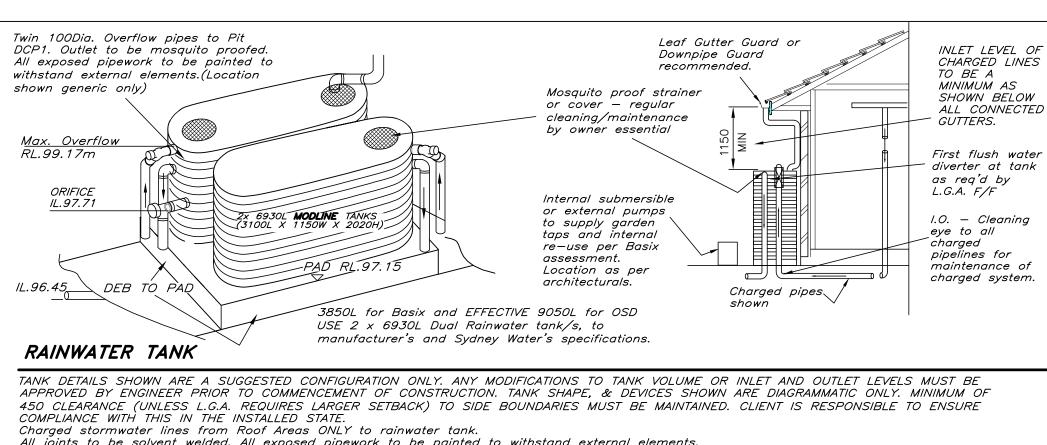
JOB NUMBER

E10744-26442

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SHEET No. EDEN BRAE HOMES

of 2



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

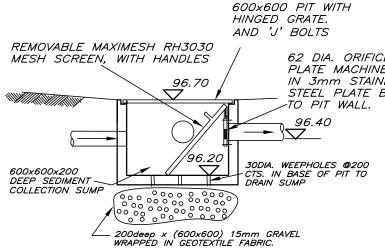
TANK DETAILS SHOWN ARE A SUGGESTED CONFIGURATION ONLY. ANY MODIFICATIONS TO TANK VOLUME OR INLET AND OUTLET LEVELS MUST BE APPROVED BY ENGINEER PRIOR TO COMMENCEMENT OF CONSTRUCTION. TANK SHAPE, & DEVICES SHOWN ARE DIAGRAMMATIC ONLY. MINIMUM OF 450 CLEARANCE (UNLESS L.G.A. REQUIRES LARGER SETBACK) TO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

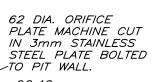
All joints to be solvent welded. All exposed pipework to be painted to withstand external elements.

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.





PIT DCP1 -SECTION A

ALL RETAINING WALLS WHERE REQUIRED TO BE WHOLLY CONTAINED WITHIN SITE BOUNDARIES INCLUDING AG-LINES. STRUCTURAL DESIGN BY OTHERS. CONNECTION OF AGLINE TO BE CONNECTED TO PIT P1 OR ADDITIONAL SILT ARRESTOR PITS BY OWNER AS REQUIRED TO BE APPROVED BY COUNCIL/PCA PRIOR TO DOING SO.

BASIN AREA TO BE DECKED ABOVE RL.97.10 AND HAVE 2 X 900SQ LOCAKABLE ACCESS HATCHES OR BE POOL FENCED SIMILAR TO POOL REGULATIONS 97.20 √96.81 MAX. WATER LEVEL 97.10 96.70 \

PIT DCP1

NOT TO SCALE

SECTION 1

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.

**OVERFLOW OVERFLOW** CLEANING EYE AS CLOSE AS POSSIBLE TO ORIFICE IL.97.71 100ø 45 DIA. ORIFICE SHARPLY DRILLED THROUGH SOLID M+F CAP FITTING SEALED JOINTS () **-**-

## OSD OUTLET DETAIL

LEVEL SPREADER TO BE 6m x 250x250 WITHIN \*/-5mm. GRATED DRAIN 96.60 200 THICK GRAVEL BED LAID ON GEOFABRIC SECURED TO GROUND ADJACENT GRATED DRAIN WITH 3x90 DIA HOLES IN SIDE TO DRAIN INTO

GRAVEL BED.

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I REVISIONS

A3)1:200,100 u.n.o. BAR – 1m INTERVALS APRIL . 2022



ORIFICE

REMOVABLE LYSAGHTS
MAXIMESH RH3030 SET
IN GUIDE CHANNELS
WITH HANDLE

10 dia. x 100 long dyna bolts or similar

ORIFICE PLATE

ORIFICE MACHINE CUT IN 3mm. STAINLESS

STEEL PLATE

PROPOSED RESIDENCE AT 46 FERGUSON STREET FORESTVILLE, FOR MS SOHAIL & BUILDER MR F. A. SHARIFF

THIS DRAWING STORMWATER DETAILS SH.1

EDEN BRAE HOMES

E10744-26442

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	ISSUE	PRINTS	ISSUED TO	DATE	SCALE(A3)1:200
	1	EMAIL	BUILDER/CLIENT	17-5-22	SCALE BAR - 1
					DATE <i>APRIL</i> .
					DRAWN M./.
					DESIGNED M./.
					APPROVED

M./.

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