

## 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

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

### GRATED DRAIN BY OWNER

HALF ROUND FLAT BACK GUTTER (7800samm)

PIPE SCHEDULE REFER TO NOTES FOR PIPE CLASS					
TAG	PIPE DIA.	MIN.GRADE			
B1	100	CHARGED			
B2	100	2%			
C1	150	1%			

ALL OTHER SURFACE WATERS TO BE STRICTLY CONNECTED 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 SURFACE LEVEL 0.00 INVERT LEVEL D.W. TOP OF WALL LEVEL T.O.W. TOP OF WALL LEVEL G.F.L.O.OO GARAGE FLOOR LEVEL F.F.L.O.00 FINISHED FLOOR LEVEL A,B,C etc. SEE PIPE SCHEDULE L1 PIPE LARFI 1 PIPE LABEL P1 SURFACE INLET PIT PIT OP1 OVERLAND FLOW PIT G G 9 90mm. AG. LINE ODP DOWNPIPE—SIZE REFER TO NOTES FOR DP SIZE GULLY PIT **⊕** GP GARDEN GULLY PIT **∄** GP ■ O/F OVERFLOW-200×100 RWH/S RAIN WATER HEAD/SUMP SP BG DP WITH SPREADER BALCONY GULLY PIT CLEANING EYE **⊙** CE GROUND FALL 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
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/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

A DOA.

-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 WITH ADEQUATE OVERFLOW SECTION THROUGH PLANTERS, PARAPE 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

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 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.

0 R Η IG IS DIAGRAMMATIC ONLY & NOT TO BE SCALED. IT IS NOT A PART 44 CERT

REVISIONS

ISSUE	PRINTS	ISSUED TO	DATE
1	EMAIL	BUILDER/CLIENT	18-12-24

DATE NOV . 2024 DRAWN M./. DESIGNED M./.

APPROVED



# IBRAHIM STORMWATER CONSULTANTS

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PROPOSED RESIDENCE AT 21 ARTHUR STREET **FORESTVILLE** FOR MS. WILLCOCKS

STORMWATER LAYOUT SH.1

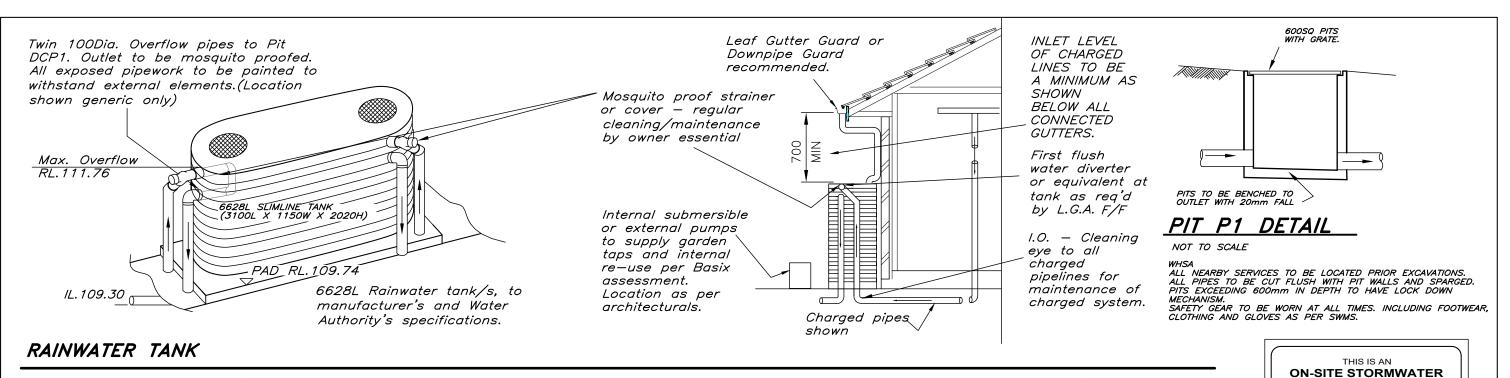
CLARENDON HOMES

JOB NUMBER

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of 2

REVISION 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.

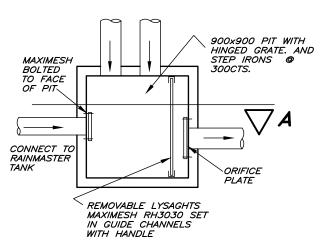
First flush water diverter at tank to comply with Water Authority and council DCP's. An approved switch system similar to 'Rainbank' to be used via mains. Pumps to manuf. specs.

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 accumulátion 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.



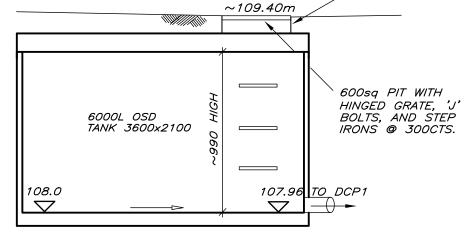
## PIT DCP1

NOT TO SCALE

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.

### RAINMASTER 6000L REINFORCED CONCRETE OSD TANK

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.



RH3030 MESH SCREEN. HINGED GRATE. 'J' WITH HANDLES BOLTS, AND STEP IRONS @ 300CTS. 109.40 64 DIA. ORIFICE PLATE MACHINE CUT MAXIMESH IN 3mm STAINLESS BOLTED FACE OF PIT TO STFFI PLATE BOLTED TO PIT WALL. <u>107.95</u> 30DIA. WEEPHOLES @200 CTS. IN~ BASE OF PIT TO 900x900x200 DEEP SEDIMENT COLLECTION SUMP 200deep x (600x600) 15mm GRAVEL WRAPPED IN GEOTEXTILE FABRIC.

900x900 PIT WITH

PIT DCP1 -SECTION A

REMOVABLE MAXIMESH

PROPOSED RESIDENCE **FORESTVILLE** FOR MS. WILLCOCKS

## STORMWATER

REVISIONS

**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

Size: 110 mm x 80mm

ORIFICE MACHINE CUT

IN 3mm. STAINLESS STEEL PLATE

10 dia. x 100 long dyna bolts or similar

ORIFICE PLATE

THIS DRAWING IS DIAGRAMMATIC ONLY & NOT TO BE SCALED. IT IS NOT A PART 4A CERT THIS DRAWNING IS DIGNARANIMATIN OUT & NOT IT SEE SOURCE. IT IN MOIT A PART IT AVEST. REFER TO A RICHITECTS DRAWNING IS THE PROPERTY OF IBRAHIM STORMWATER CONSULTANTS AND THE DRAWNING IS THE PROPERTY OF DRAWNING IS THE PROPULCE OR COPIED, WHOLE OR IN PAST, IN ANY FORM, WITHOUT THE PRIOR WRITTEN APPROVAL OF IBRAHIM STORMWATER CONSULTANTS

adjacent tanks

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ISSUE PRINTS ISSUED TO DATE EMAIL BUILDER/CLIENT 18-12-24

SCALE(A3)1:200,100 u.n.o. SCALE BAR - 1m INTERVALS DATE NOV . 2024 DRAWN M./. DESIGNED M./. APPROVED

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AT 21 ARTHUR STREET

**DETAILS SH.1** CLARENDON HOMES

SHEET No. 2 of 2