

STORMWATER LAYOUT NOTES

PITS UP TO 450 DEP 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 EXCEPDING 900 DEPTH. 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.

REQUIRE SOCIA.

-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

-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 AS3500.3:2:7.4! 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. 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.

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



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EMAIL BUILDER/CLIENT

SCALE BAR - 1m INTERVALS DATE SEPT . 2022 DRAWN M./. DESIGNED M./.

APPROVED



IBRAHIM STORMWATER CONSULTANTS

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PIPE DIA.

100

100

150

150x100 GAL. PIPE

PART 3.1.2.3.

MIN. GRADE

CHARGED

1%

1%

1%

⊕GP

⊞GP

=0/F

⊕BG

⊙ CE

))))

REMOVABLE MAXIMESH

RH3030 MESH SCREEN, WITH HANDLES

DRAIN PIT

450x450x100D GRAVEL

GEOTEXTILE FABRIC.

4x100 DIA.WEEPHOLES IN BASE OF PIT TO

PROPOSED RESIDENCE AT 3 HOOVER PLACE **CROMER** FOR MR. & MRS. CORREYA

HALF ROUND FLAT

BACK GUTTER

(7800samm.

| R.L. 0.00 | NEW REDUCED LEVE | (NEW FINISHED GROUND LEVEL) | | + 00.00 | EXISTING LEVEL | | S.L. 0.00 | SURFACE LEVEL | | LL 0.00 | DAMES | LEVEL |

0.00 INVERT LEVEL D.W. TOP OF WALL LEVEL

TOP OF WALL LEVEL
F.L.O.OO GARAGE FLOOR LEVEL

A,B,C etc. SEE PIPE SCHEDULE

L1 PIPE LABEL

PIT P1 SURFACE INLET PIT

PIT OP1 OVERLAND FLOW PIT

9 90mm. AG. LINE

ODP DOWNPIPE—SIZE

REFER TO NOTES FOR DP SIZE

RWH/S RAIN WATER HEAD/SUMP

GULLY PIT

GARDEN GULLY PIT

OVERFLOW-200x100

DP WITH SPREADER

BALCONY GULLY PIT

CLEANING EYE

GROUND FALL

100 HIGH EARTH MOUNDING

LEGEND

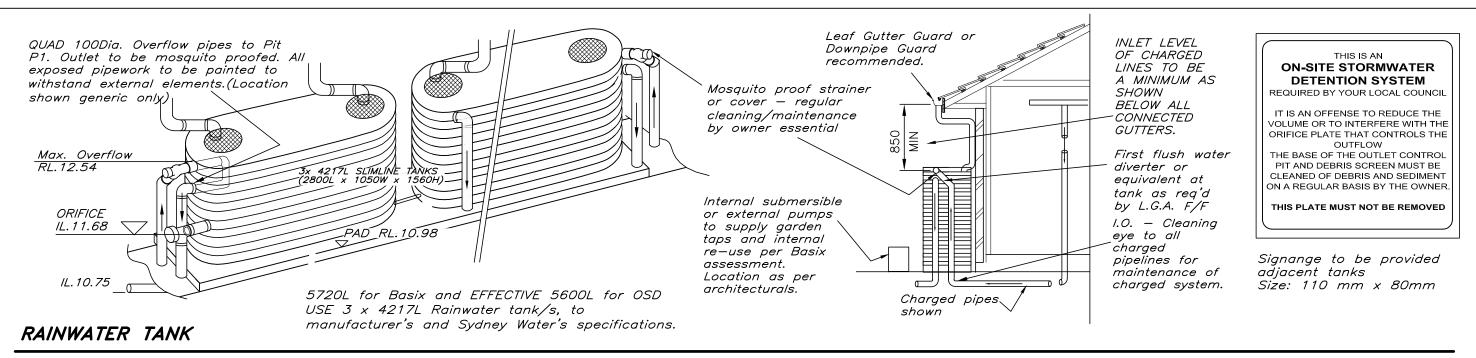
CLARENDON HOMES

JOB NUMBER

REVISION

STORMWATER C11093-15732 SHEET No.

1 of 2



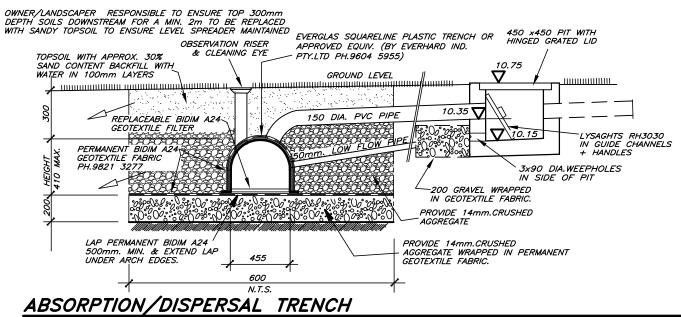
TANK DETAILS SHOWN ARE A SUGGESTED CONFIGURATION ONLY. ANY MODIFICATIONS TO TANK VOLUME OR INLET AND OUTLET LEVELS MUST BE APPROVED BY ENGINEER PRIOR TO COMMENCEMENT OF CONSTRUCTION. TANK SHAPE, & DEVICES SHOWN ARE DIAGRAMMATIC ONLY. MINIMUM OF 450 CLEARANCE (UNLESS L.G.A. REQUIRES LARGER SETBACK) TO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

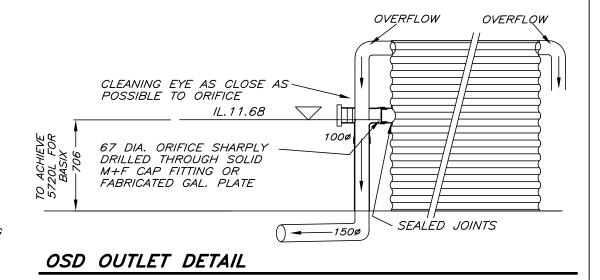
First flush water diverter at tank to comply with Sydney Water and council DCP's. An approved switch system similar to 'Rainbank' to be used via mains. Pumps to manuf. specs. Rain Tank to be installed and maintainted to manufacturers specifications and to comply with all Sydney Water Guidelines.

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.



WHSA HAZARD IDENTIFICATION: DEEP TRENCHING-ALL PERSONS TO FOLLOW THEIR SWMS IN RELATION TO BARRICADING DEEP TRENCHES AND WEARING APPROPRIATE CLOTHING. ANY PERSON WORKING INSIDE A TRENCH MUST BE SUPERVISED BY ANOTHER PERSON IN ACCORDANCE WORK COVER AND WORKING IN CONFINED SPACES.
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. GEOTECHNICAL INVESTIGATIONS FOR TRENCHING TO BE CARRIED OUT BY APPROPRIATELY QUALIFIED PERSONAL IN RELATION TO SUITABLE BATTERS OR SHORING.



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TRENCHES TO BE LOCATED PARALLEL TO NATURAL CONTOURS OF SITE. SURFACE OF TRENCHES TO ACT OR LEVEL SPREADER OR LEVEL SPREADER TO BE CONSTRUCTED DOWNSTREAM OF TRENCHES.

STRICTLY NO PAVING OR HARD SURFACES TO BE CONSTRUCTED OVER TRENCHES.

Geotech Engineers Recommendation for construction of the trench to incorporate roughening of the base and

sides of the trench to reduce smearing that may be caused during excavation. Roughening could be achieved by tyning the base of the trench and vertical grooving the sides.

Trafficking of the base of the trench should be avoided during construction of the absorption trench. Trench design and construction should incorporate suitable geofabric lining to the base, sides and top of the trench. 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

REVISIONS

D	ISSUE	PRINTS	ISSUED TO	DATE
	1	EMAIL	BUILDER/CLIENT	

SCALE(A3)1:200,100 u.n.o. SCALE BAR - 1m INTERVALS DATE SEPT . 2022 DRAWN M./. DESIGNED M./. APPROVED

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PROPOSED RESIDENCE AT 3 HOOVER PLACE **CROMER** FOR MR. & MRS. CORREYA STORMWATER DETAILS SH.1

C11093-15732

SHEET No. CLARENDON HOMES

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