

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 & AS4198.

-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. ROOF AREA PER DOWNPIPE WITH A NOMINATED GUTTER SIZE TO BE DETERMINED USING MANUFACTURERS SPECIFICATIONS WITH OVERFLOW PROVISIONS BY INSTALLERS.

-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
-SUBSOIL DRAINS TO BE IN ACCORDANCE WITH AS2439.1 CLASS 100 TO BE USED ONLY IN SINGLE DWELLINGS.

IN SINGLE DWELLINGS.

-RISING MAINS (PRESSURE PIPE) TO BE IN ACCORDANCE WITH AS3500.1:2.

-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.

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 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.

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 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.

GROUND FLOOR LAYOUT

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

WHSA HAZARD IDENTIFICATION

4000L SLIMLINE TANK (2900L x 850W x 1860H)

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 TRADES

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

(X) - ROAD - DP 340142

* CONNECTION POINT TO KERB TO BE WITHIN SITE PROLONGATION OF SIDE BOUNDARY U.N.O. DUE TO RETAINED STREET SIGMAGE AND CROSSOVER * SAWCUT AND REMOVE 200mm OF KERB EITHER SIDE OF OUTLET PIPE TO KERB. * CONNECTION AND RE—CONSTRUCTION OF OLD KERB OUTLETS TO BE IN
ACCORDANCE WITH STD DRAWING S107
* CONNECTION POINT TO KERB TO BE CONNECTION FOINT TO EARS TO BE POOMM CLEAR OF ANY CROSSING SPLAY CONNECTION POINT TO BE AT THE EVERT OF THE KERB AND GUTTER

ALF ROUND FLAT BACK GUTTER (7800sqmm)

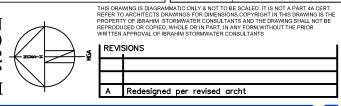
LEGEND

INVERT OF THE KERB AND GUTTER					
	PIPE SCHEDULE REFER TO NOTES FOR PIPE CLASS				
	TAG	PIPE DIA.	MIN.GRADE		
	<i>B1</i>	100	CHARGED		
	B2	100	1%		
	C1	150	1%		
54,	D1	200×100 GAL. PIPE	1%		

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

4	R.L. 0.00	NEW REDUCED LEVEL		
١	(NEW FINISI	HED GROUND LEVEL)		
4	+ 00.00	EXISTING LEVEL		
١	S.L. 0.00	SURFACE LEVEL		
╛	1.L. 0.00	INVERT LEVEL		
1	T.O.W.	TOP OF WALL LEVEL		
١	G.F.L.0.00	GARAGE FLOOR LEVEL		
٦	F.F.L.0.00	FINISHED FLOOR LEVEL		
١	A,B,C etc.	SEE PIPE SCHEDULE		
┪	L 1	PIPE LABEL		
١	PIT P1	SURFACE INLET PIT		
J	PIT OP1	OVERLAND FLOW PIT		
	-aa-	90mm. AG. LINE		
	O DP	DOWNPIPE-SIZE		
٦	REFER TO	NOTES FOR DP SIZE		
ı	⊕ <i>GP</i>	GULLY PIT		
ı	₿GP	GARDEN GULLY PIT		
ı	= 0/F	OVERFLOW-200x100		
	RWH/S	RAIN WATER HEAD/SUMP		
ı	O SP	DP WITH SPREADER		
_	₩BG	BALCONY GULLY PIT		
١	⊚ CE	CLEANING EYE		
١		GROUND FALL		
١))))	100 HIGH EARTH		
١	////	MOUNDING		



ISSUE	PRINTS	ISSUED TO	DATE
1	EMAIL	BUILDER/CLIENT	22-10-21
2	EMAIL	BUILDER/CLIENT	8-6-22

SCALE(A3) 1:200,100 u.n.o. SCALE BAR - 1m INTERVALS DATE OCT . 2021 DRAWN M./. DESIGNED M./.

APPROVED



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

PROJECT

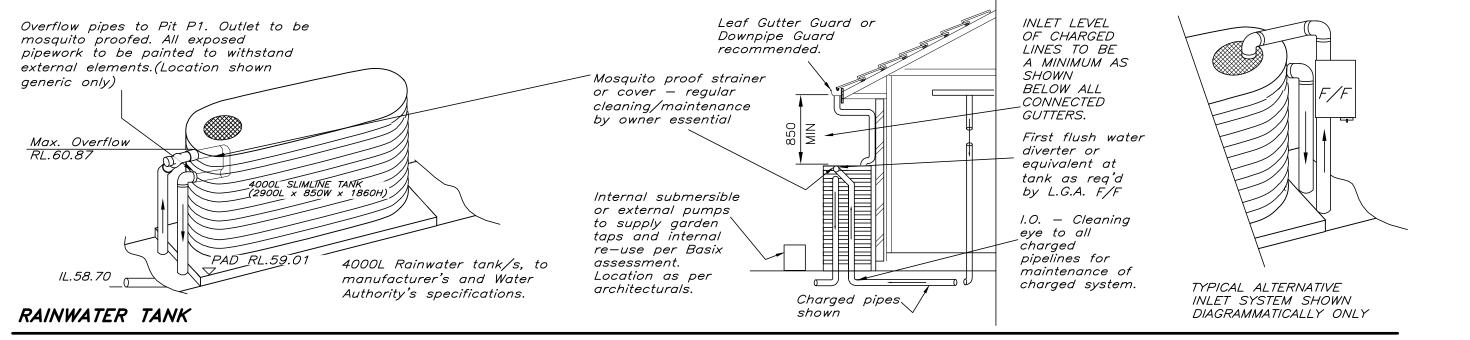
PROPOSED RESIDENCE AT LOT. 11-12 HUME HIGHWAY YAGOONA FOR CLARENDON HOMES

THIS DRAWING STORMWATER

JOB NUMBER

LAYOUT SH.1

SHEET No. CLARENDON HOMES 1 of 3 REVISION



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.

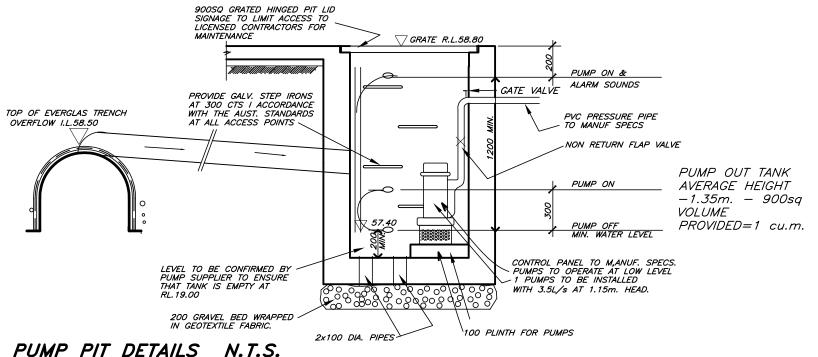
All joints to be solvent welded. All exposed pipework to be painted to withstand external elements.

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 accumulation significantly affects systems performance. Maintenance program essential. Structural details for tank base by manufacturer or others.

OWNER/LANDSCAPER RESPONSIBLE TO ENSURE TOP 300mm
INSTALLATION OF RAINTANKS: PLUMBER/SITE SUPERVISOR TO ASSESS ACCESS SUITABILITY PRIOR OR POST SLAB CONSTRUCTION. INSTALLATION OF TANKS THEFTH SOILS DOWNSTREAM FOR A MIN. 2m TO BE REPLACED
BE CARRIED OUT FOLLOWING SWMS OF TANK SUPPLIER AND PLUMBER. APPROPRIATE GLOVES TO BE WORN AT ALL TIMES WHILE HANDLING TANKS.

40050 CRATED WINGER ST. U.S.



THE PUMP OUT SYSTEM SHALL BE DESIGNED TO OPERATE IN THE FOLLOWING MANNER— THE PUMPS SHALL BE PROGRAMMED TO WORK ALTERNATIVELY SO AS TO ALLOW THE TANK TO DRAIN EMPTY A LOW LEVEL FLOAT SHALL BE PROVIDED TO ENSURE THAT THE MINIMUM REQUIRED WATER LEVEL IS MAINTAINED WITHIN THE SUMP AREA OF THE BELOW GROUND

IN THIS REGARD THIS FLOAT WILL FUNCTION AS AN OFF SWITCH FOR THE PUMPS. A SECOND FLOAT SHALL BE PROVIDED AT A HIGHER LEVEL, APPROXIMATELY 300mm. ABOVE THE MINIMUM WATER LEVEL, WHEREBY THE PUMP WILL OPERATE & DRAIN THE TANK TO THE LEVEL OF THE LOW—LEVEL FLOAT. A THIRD FLOAT SHALL BE PROVIDED AT A HIGH LEVEL, WHICH IS APPROXIMATELY THE ROOF LEVEL OF THE BELOW GROUND TANK. THIS FLOAT SHOULD START THE OTHER PUMP THAT IS NOT OPERATING & ACTIVATE THE ALARM. AN ALARM SYSTEM SHALL BE PROVIDED WITH A FLASHING STROBE LIGHT & A PUMP FAILURE WARNING SIGN WHICH ARE TO BE LOCATED AT THE DRIVEWAY ENTRANCE TO THE GARAGE THE ALARM SYSTEM SHALL BE PROVIDED WITH A BATTERY BACK UP IN CASE OF POWER FAILURE.

EVERGLAS SQUARELINE PLASTIC TRENCH OR APPROVED EQUIV. (BY EVERHARD IND. PTY.LTD PH.9604 5955) & CLEANING EYE TOPSOIL WITH APPROX. 30% SAND CONTENT BACKFILL WITH WATER IN 100mm LAYERS GROUND LEVEL 58.38 150 DIA. PVC PIPE REPLACEABLE BIDIM A24 GEOTEXTILE FILTER LYSAGHTS RH3030 PERMANENT BIDIM A GEOTEXTILE FABRIC IN GUIDE CHANNELS + HANDLES PH.9821 3277 3x90 DIA.WEEPHOLES IN SIDE OF PIT -200 GRAVEL WRAPPED IN GEOTEXTILE FABRIC. PROVIDE 14mm.CRUSHED AGGREGATE PROVIDE 14mm.CRUSHED
AGGREGATE WRAPPED IN PERMANENT LAP PERMANENT BIDIM A24 500mm. MIN. & EXTEND LAP

ABSORPTION/DISPERSAL TRENCH 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.

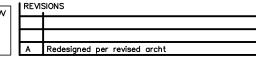
Trafficking of the base of the trench should be avoided during construction sofether absorption attendant trench.

design and construction should incorporate suitable geofabric lining REEF TARCHIEGE BRAWNISS FOR BURGISLONS GOVERNOR IN THIS DRAWNISS THE

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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	1	EMAIL	BUILDER/CLIENT	22-10-21
	2	EMAIL	BUILDER/CLIENT	8-6-22
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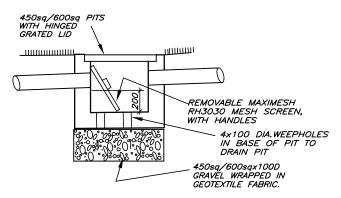
UNDER ARCH EDGES.

PROPOSED RESIDENCE AT LOT. 11-12 HUME HIGHWAY DETAILS SH.1 YAGOONA CLARENDON HOMES FOR CLARENDON HOMES

THIS DRAWING STORMWATER JOB NUMBER

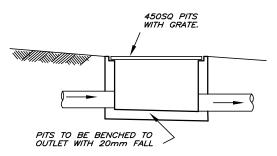
REVISION SHEET No

2 of 3



SILT ARRESTOR PIT - P1, P3 AND P6

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.



TYPICAL PIT DETAIL

NOT TO SCALE

THIS DRAWING IS DIAGRAMMATIC ONLY & NOT TO BE SCALED.
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2	EMAIL	BUILDER/CLIENT	8-6-22

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PROPOSED RESIDENCE AT LOT. 11-12 HUME HIGHWAY DETAILS SH.2 YAGOONA CLARENDON HOMES FOR CLARENDON HOMES

THIS DRAWING STORMWATER

JOB NUMBER C10344-00332

REVISION SHEET No. 3 of 3

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