

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 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 SWMS.

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

- (A) RIGHT OF CARRIAGEWAY 4.5 AND 5.2 WIDE AND VARIABLE WIDTH
- (B) EASEMENT FOR SERVICES 4.5 AND 5.2 WIDE AND VARIABLE WIDTH
- (C) EASEMENT TO DRAIN WATER 4.5 AND 5.2 WIDE AND VARIABLE WIDTH

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

HALF ROUND FLA BACK GUTTER

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

+ 00.00	EXISTING LEVEL
S.L. 0.00	SURFACE LEVEL
1.L. 0.00	INVERT LEVEL
T.O.W.	TOP OF WALL LEVE
G.F.L.0.00	GARAGE FLOOR LEVE
F.F.L.0.00	FINISHED FLOOR LEVI
A,B,C etc.	SEE PIPE SCHEDULI
L 1	PIPE LABEL
PIT P1	SURFACE INLET PIT
PIT OP1	OVERLAND FLOW PI
-a -a -	90mm. AG. LINE
O DP	DOWNPIPE-SIZE
REFER TO	NOTES FOR DP SIZE
⊕ GP	GULLY PIT
₿GP	GARDEN GULLY PIT
= 0/F	OVERFLOW-200x100
☐ RWH/S	RAIN WATER HEAD/SUM
o SP	DP WITH SPREADER
₩BG	BALCONY GULLY PIT
⊙ CE	CLEANING EYE
	GROUND FALL
))))	100 HIGH EARTH
////	MOUNDING

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 -DOWNPIPES TO BE 90 DIA IF CHARGED AND TOU 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 SOCIAL

—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.

-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.

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

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.



THIS DRAWING IS DIAGRAMMATIC ONLY & NOT TO BE SCALED. IT IS NOT A PART 4A CERT. REFER TO ARCHITECTS DRAWINGS FOR DIMENSIONS. COPYRIGHT IN THIS DRAWING IS THE PROPERTY OF IBRAHIM STORMWATER CONSULTANTS AND THE DRAWING SHALL NOT BE REPRODUCED OR COPIED, WHOLE OR IN PART, IN ANY FORM WITHOUT THE PRIOR WRITTEN APPROVAL OF IBRAHIM STORMWATER CONSULTANTS

REVIS	SIONS					
		·	·	·	·	

	ISSUE	PRINTS	ISSUED TO	DATE
	1	EMAIL	BUILDER/CLIENT	22-5-22
_ 11				

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

DESIGNED M./.

APPROVED

IBRAHIM STORMWATER CONSULTANTS

P.O. BOX 400 CHERRYBROOK NSW 2126 TELEPHONE: (02) 9980 5515 FAX: (02) 9980 6114 www.stormwater.net.au email: mail@stormwater.net.au

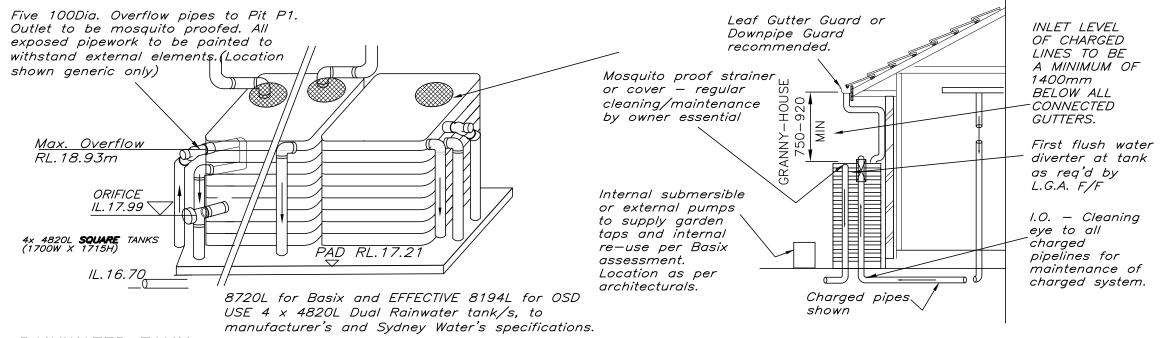
PROPOSED RESIDENCE AT 300 ALFRED STREET **CROMER** FOR MR & MRS HUXLEY

JOB NUMBER SIORMWATER C10764-15440

CLARENDON HOMES

SHEET No. REVISION

of 2



RAINWATER TANK

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.

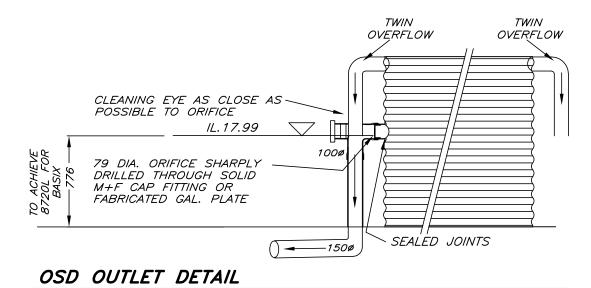
All joints to be solvent welded. All exposed pipework to be painted to withstand external elements.

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

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.



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

THIS DRAWING IS DIAGRAMMATIC ONLY & NOT TO BE SCALED. IT IS NOT A PART 4A CERT. REFER TO ARCHITECTS DRAWINGS FOR DIMENSIONS COPYRIGHT IN THIS DRAWINGS IN PROPERTY OF IBRAHIM STORNWATER CONSULTANTS AND THE DRAWING SHALL NOT BE REPRODUCED OR COPIED. WHOLE OR IN PART. IN ANY FORM MITHOUT THE PRIOR WRITTEN APPROVAL OF BRAHIM STORMWATER CONSULTANTS.

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		<u> </u>

PRINTS ISSUED TO DATE EMAIL BUILDER/CLIENT 22-5-22

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



x 80mm

P.O. BOX 400 CHERRYBROOK NSW 2126 TELEPHONE: (02) 9980 5515 FAX: (02) 9980 6114 www.stormwater.net.au email: mail@stormwater.net.a

PROPOSED RESIDENCE AT 300 ALFRED STREET **CROMER** FOR MR & MRS HUXLEY STORMWATER DETAILS SH.1

CLARENDON HOMES

I REVISIONS

JOB NUMBER C10764-15440 2 of 2