

GROUND FLOOR LAYOUT

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

WHSA HAZARO IDENTIFICATIONS TRENCHING-ALL PERSONS TO FOLLOW THEIR APPROVED SWILS IN TREATION TO BARRICAING 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 SWIIS.

- (C) PROPOSED EASEMENT TO DRAIN WATER 1.5
- (H) PROPOSED EASEMENT FOR ACCESS AND MAINTENANCE

PIPE SCHEDULE REFER TO NOTES FOR PIPE CLAS				
TAG	PIPE DIAL	MIN.GRADE		
81	100	CHARGED		
82	100	2%		
C1	150	1.75		

HALF ROUND FLAT BACK GUTTER (7800semm)

ALL OTHER SURFACE WATERS TO BE STRICTLY CONNECTED TO A SEPARATE SYSTEM BY OWNER IN ACCORDANCE WITH AS 3500: 3:2003 AMD RCA PART 3.1.2.3.

RAINWATER TANKS WITH PUMPS TO SUPPLY CARDEN TAPS AND INTERNAL RE-USE AS PER BASIX ASSESSMEN

LEGEND A.L. O.OO NEW REDUCED LEVE (NEW FINISHED GROUND LEVEL) + 00.00 EXISTING LEVEL S.L. 0.00 SUMFACE LEVEL I.L. 0.00 MARTI LEVEL T.O.W. TOP OF WILL LEVEL C.F.L. 0.00 GAMAGE FLOOR LEVEL F.E.L.Q.OO FINISHED FLOOM LEVEL A.B.C. o(c. SEE PIPE SCHEDULE L1 PIPE LABEL PIT P1 SURFACE INLET PIT PIT PT SURFICE THE PT OPEN PT MOTER TO NOTES FOR OF SIZE GULLY PIT GARDEN GULLY PIT ther SO/F OVERFLOW-200x100 RWH/S MAN MATER HEAD/SUA OP WITH SPREADER BALCONY GULLY PIT CLEANING EYE GROUND FALL 100 HIGH EARTH)))) MOUNDING

STORMWATER LAYOUT NOTES

-PITS UP TO 800 DEEP TO BE 450 x 450 U.N.O., PITS UP TO 900 DEEP TO BE 600 x 800 U.N.O., PITS UP TO 1200 DEEP TO BE 900 x 600 U.N.O., PITS EXCEEDING 1200 DEEP TO BE 900 SO. 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/FDOT 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.

AS-6190.
—DOWNPIPES TO BE 90 DIA IF CHARCED AND 100 x 50 BOX IF GRANTY, U.K.O. DE'S SHALL BE INSTALLED IN ACCORDANCE WITH AS3300_3.2:4.11 & AS4198. MAX. ROOF AREA PER DOWNPIPE WITH A NOMINITED GUTTER SIZE TO BE DETERMINED USING MANUFACTURERS SPECIFICATIONS WITH OVERFLOW PROVISIONS BY INSTALLERS.

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 STORMMATER PIPE TO BE V.C. CLASS 1254,1280,1273,1477.2179.2 AND WHERE EXPOSED TO DIRECT SUNLIGHT TO HAVE ADEQUATE PROTECTION TO U.V. RADIATION IN ACCORDANCE WITH ASZOJZ, SEWER GRADE/GAL PIPES AND KERB ADAPTORS TO BE USED WHERE COUNCIL POLICY OR CONSENT

REQUIRE SUCH.
-GUITER OUTLETS SHALL BE FITTED VERTICALLY TO THE SOLE OF THE EAVE GUTTERS. RAINHEADS TO HAVE AN OVERFLOW DUCT OR WER SOmm BELOW THEIR CREST.

-PROVIDE OVERFLOW SPITTERS TO ALL COVERED BALCONIES/ TERRACES. NOT TO BE DIRECTED ON TO ROOF SURFACES -RISHNG MAINS (PRESSURE PIPE) TO BE IN ACCORDANCE WITH ASSISSO. 1:2.

ASSISTANT OF BE IN ACCORDANCE WITH AS2439.1 CLASS 100 TO BE USED ONLY IN SINGLE DWELLINGS.
-ALL PIPE JOINTS, WILVES 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 & -ALL TRENCHES TO BE IN ACCORDANCE WITH ASSSOC 3.2-7.2.8-14

-ALL TRENCHES TO BE IN ACCORDANCE WITH ASSOCIA.5.2:7.2.8-1.4 EMBEDMENT MATERIAL AND TRENCH FILL TO ALL PIPES & SUBSOIL DRAINS TO BE IN ACCORDANCE WITH ASS500.3.2.7. ALL WORKS TO BE IN ACCORDANCE WITH ASS500.3.2.7. ALL 268.3, 3996, 1280, 1477, 2179.1 & 2,2366, 6367, 8301, ARRS7.

-IT IS THE BUILDER'S RESPONSIBILITY TO CONDUM 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

-ALL FENCES WHICH MAY DIVERT FLOW FROM PROPOSED DIRECTION TO BE MAISED LOOMIN.
-BUILDER TO ENSURE ALL DRAMAGE AREAS INCLUDING EXPOSED

BALCONIES TO HAVE OVERFLOW MECHANISM IN PLACE IN THE EVENT OF BLOCKAGE WITH ADEQUATE OVERFLOW SECTION THROUGH PLANTERS PARAPETS FTC

PLANTIERS, PROVINCES OF STATEMENT AND ANALY PROMISES TO BE SLOPING AWAY FROM PERMATER WALLS IN ALL CASES.

"ALL HEADWROOM CLOURANCES TO BE COORDINATED BETWEEN BUILDER & ARCHITECT, NOTIFY ENGINEER FOR APPROVAL IF ANY

CHANGES OCCUR.
-ALL GUILLY POSITIONS ARE DIAGRAMMATIC ONLY- BUILDER SHOULD CONSULT ARCHITECTURALS FOR DIMENSIONS TO LOCATE STORMWATER ELEMENTS U.N.O.

-PIRE 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 SERVINGE TO BE INSTALLED IN ACCESSIBLE UNDERGROUND TANKS TO WORK COVER SPECIFICATIONS. ALL PITS

EXCEEDING GOOMM DEPTH TO HAVE 'J' BOLTS OR SIMILAR INSTALLED TO GRATES

-MAINTENANCE DEVICES RED'D BY AUTHORITIES ARE NOT TO BE ASSUMED SHOWN ON DRAWINGS.
—EARTH MOUNDING SHOWN AS TEMPORARY MEASURE UNTIL



ISSUE I PRINTS (SSUED TO DATE 98 203 (0.00) 111-4-19 EMAIL

SCALE(A3) 1:200,100 u.n.a. SCALE BAR - 1m INTERNALS DATE MAR . 2019 DRAWN M.L. DESIGNED M./

APPROVED



IBRAHIM STORMWATER CONSULTANTS CONSULTING CIVIL ENGINEERS

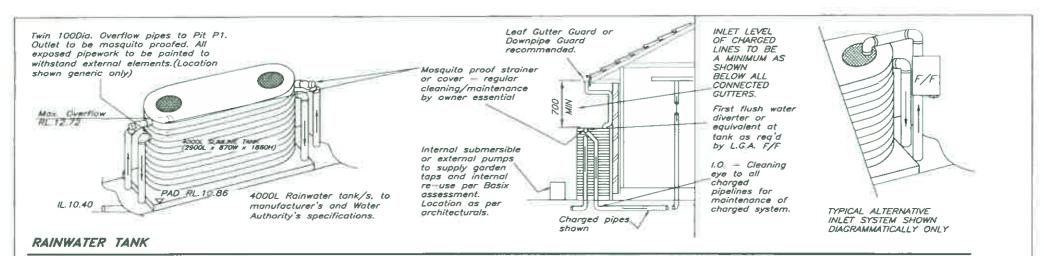
P.O. BOX 400 CHEWITEROOK NSW 2126
TELEPHONE: (02) 9980 5515 FAX: (02) 9980 6114
******.sterroughar.incl.du email: mail@uterroughar.incl.du

PROPOSED RESIDENCE AT LOT. 17 PROPOSED ROAD WARRIEWOOD FOR MR & MRS. SOMMER

THIS DRAWING STORMWATER LAYOUT SH.1 IIILAN DER CLARENDON HOMES

JOR HUMBER C8985-13455

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.

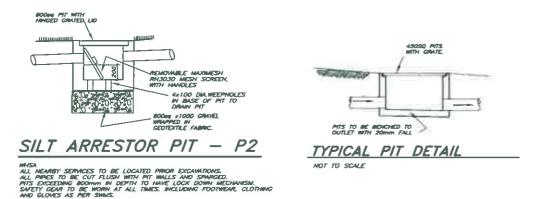
First flush water diverter at tank to comply with Water Authority and council DCP's. An approved switch system similar to 'Rainbank' to be used via mains. Pumps to manuf. specs. Rain Tank to be installed and maintainted to manufacturers specifications and to comply with all Water Authority Guidelines.

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.

WHSA HAZARD IDENTIFICATION:

INSTALLATION OF RANTANKS: PLUMBER/SITE SUPERVISOR TO ASSESS ACCESS SUITABILITY PRIOR OR POST SLAB CONSTRUCTION. INSTALLATION OF TANKS TO BE CARRIED OUT FOLLOWING SWINS OF TANK SUPPLIER AND PLUMBER, APPROPRIATE GLOVES TO BE WORN AT ALL TIMES WHILE HANDLING TANKS.



BUILDER/CLIENT TO ENSURE THAT ALL SAFETY MEASURES ARE TAKEN DURING CONSTRUCTION, INCLUDING BUT NOT UNITED TO, SAFETY FENCING, SIGNINGE, ORTANING STRUCTURAL AND GEOTECHNICAL ADMICE WHERE EXCAMITIONS ARE NEAR STRUCTURES OF SERVICES, SAFETY MEASURES RECOMMEDIAGE BY PRODUCT SUPPLIES ETC.

E TAKEN	REVISIONS			
£77				
MCES.				
7C,				

1	ISSUE	PRINTS	ISSUED TO	DATE
	1	EMAR	BADEN/OUDIT	11-4-18
	-		-	+

SCALE (AS) 1:200, 100 WALK SCALE BAY - 101 PITENALS DATE MAY 3019 DRAIN M.L. DESIGNED M.L. APPROVED



IBRAHIM STORMWATER CONSULTANTS CONSULTING CIVIL ENGINEERS

P.O. BOX 400 CHERNYBROOK MSW 2128
TELEPHONE: (02) 9980 5515 FAX: (02) 9980 6114

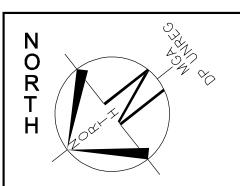
PROPOSED RESIDENCE AT LOT. 17 PROPOSED ROAD WARRIEWOOD FOR MR & MRS. SOMMER THIS DRAWING STORMWATER DETAILS SH. 1 BUILDER

C8985-13455

CLARENDON HOMES 2 of 2

f 2

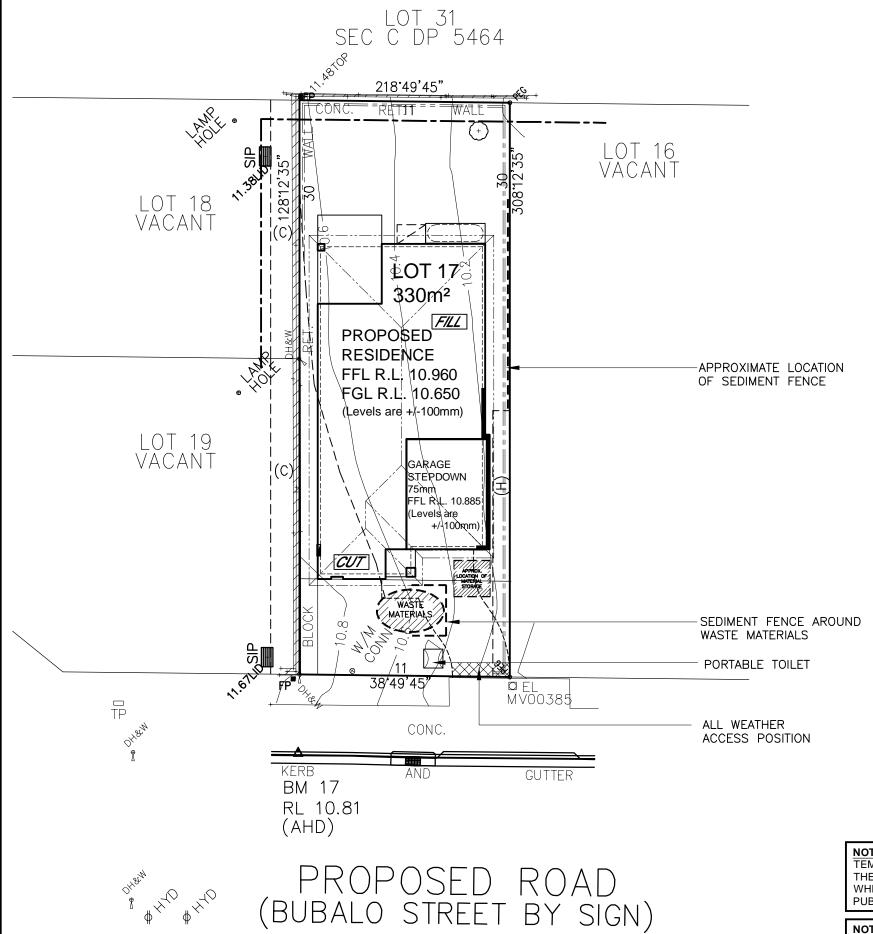
D



(C) PROPOSED EASEMENT TO DRAIN WATER 1.5 (H) PROPOSED EASEMENT FOR ACCESS AND MAINTENANCE LOT 17

D.P: **UNREGISTERED** L.G.A: NORTHERN BEACHES

SITING HAS BEEN COMPLETED IN ACCORDANCE WITH PITTWATER DCP 21 - D16



TEMPORARY SECURITY FENCING TO THE PERIMETER OF THE BOUNDARY WHERE REQUIRED TO PREVENT PUBLIC ACCESS ONTO THE SITE

GROUND LINES ARE APPROXIMATE. EXTENT OF CUT AND FILL BATTERS WILL BE DETERMINED ON SITE. SEDIMENT BARRIERS ARE CUSTOMISED TO SITE CONDITIONS

CONSTRUCTION MANAGEMENT PLAN **EROSION AND SEDIMENT CONTROL PLAN**

© ALL RIGHTS RESERVED

DIMENSIONS TO BE READ IN

SEDIMENT CONTROL NOTES GEOTETRIC PULBE FAMOUS MIN. 150x100mm TRENCH WITH COMPACTED BACKFILL (SET INTO CONCRETE IF ON ROCK) SEDIMENT FENCE

6. SOIL AND TOPSOIL STOCKPILES SHALL BE LOCATED AWAY FROM DRAINAGE LINES AND AREA WHERE WATER CONCENTRATE. ALL ROADS AND FOOTPATHS TO BE SWEPT DAILY.

7. FILTER SHALL BE CONSTRUCTED BY STRETCHING A FILTER FABRIC (PROPEX OR APPROVED EQUIVALENT BETWEEN POST AT 3.0m CENTRES, FABRIC SHALL BE BURIED 150mm ALONG ITS LOWER EDGE. I. DUST PREVENTION MEASURES TO BE MAINTAINED AT ALL TIMES.

ClarendonHomes

Clarendon Homes (NSW) P/L

21 Solent Circuit, Baulkham Hills NSW 2153

This plan is the property of CLARENDON HOMES (NSW) P/L Any copying or altering of the drawing shall not be undertaken without written permission from CLARENDON HOMES (NSW) P/L

PRODUCT: PARKHILL 32 Prominent R/H Garage

Mrs. SOMMER SITE ADDRESS: Lot 17 Proposed Road **Evolution Specification** \\\ADDIE\\\\OOD 2102

CLIENT:
Mr. SOMMER DA DRAWINGS DRAWN: DATE: Rev: PG. 28.02.19 RATIO @ A3: CHECKED: 1:200 J.S SHEET: 29913455 NSW