

LEGEND

DP

100mm DOWNPIPE

450X450

SILT ARRESTOR PIT

SW

STORMWATER PIPE

RW

CHARGED RAINWATER PIPE

AS PER BASIX & AS3500.3

ROOF PITCH: 20°
ARI 5% 5MIN 199mm/HR

ROOF AREA (AS PER BASIX)
253.75m² * 1.18= 300m²
EFF. XSEC AREA EAVE 6165mm²
APPROX 30m² PER DOWNPIPE
10 DOWNPIPE MIN, 11 ELECTED

PSD 20L/s
SSR 14.4m³
SSR (WITH RWT OFFSET) 7.2m³
RWT 8,000L
AREA DRAINING TO OSD 300 SQM

NOTE: GRANNY FLAT AND PAVED AREA DRAINAGE RESPONSIBILITY OF OWNER

THESE DETAILS HAVE BEEN PREPARED IN ACCORDANCE WITH ARCHITECTURAL	
DESIGN NAME:	—
PREPARED BY:	METRICON HOMES
DRAWING/JOB No.	716255
REVISION/ISSUE:	G
DATED:	16.07.21

STORMWATER DRAINAGE PLAN

RESIDENTIAL ENGINEERING Structural Engineers • Surveying & Geotechnical NSW • QLD +61 2 9896 5494 Level 2, 73-75 Dunmore Street, WENTWORTHVILLE, NSW 2145 +61 7 3307 8388 5a/41 Lavarack Avenue, EAGLE FARM, QLD 4009 www.residentialengineering.com.au RESIDENTIAL ENGINEERING PTY LTD ACN 612 898 629 ABN 26 612 898 629 TRADING AS RESIDENTIAL ENGINEERING	COPYRIGHT: THIS DRAWING REMAINS THE PROPERTY OF RESIDENTIAL ENGINEERING AND MAY NOT BE ALTERED IN ANY WAY WITHOUT RESIDENTIAL ENGINEERING WRITTEN CONSENT	APPROVED BY:  GERVASE PURICH FIEAust, C.P.Eng., NER, BPB, RPEQ	CLIENT REF: 716255	CLIENT:	FOR: MR & MRS SKALIC	DRAWN OE	DATE 10/09/21	AMENDMENT REPOSITIONED ACU & HWU	REV A	JOB No: MT0008	ISSUE: A
SITE ADDRESS: LOT 2, 50 CARAWA RD, CROMER						SHEET No: 01 of 03					

10/09/2021 12:01:43 PM, Osman

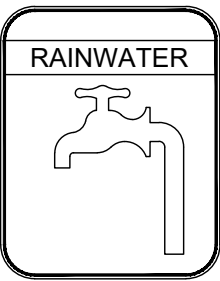
A3

STORMWATER DRAINAGE NOTES

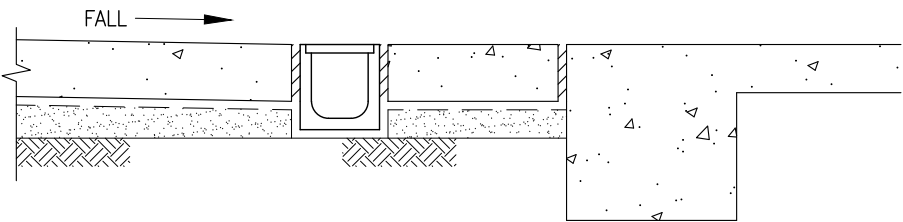
- ALL WORK TO BE IN ACCORDANCE WITH AS3500.3.1 AND AS3500.3.2
- ALL PIPES TO BE Ø100 uPVC AT 1.0% MIN FALL. SEWER GRADE. UNLESS NOTED OTHERWISE
- NOTIFY ENGINEER OF ANY DISCREPANCIES ON SITE
- DIAL BEFORE YOU DIG. PRIOR TO COMMENCING WORK.
- SILT ARRESTOR/ GRATED INLET PITS 450X450 U.N.O
- ALL WORK IN ACCORDANCE WITH THE LOCAL GOVERNMENT ACT. COUNCILS STANDARD SPECIFICATION AND CODES AND TO THE SATISFACTION OF COUNCILS SUPERVISING OFFICER.
- THIS PLAN TO BE READ IN CONJUNCTION WITH PLANS PREPARED BY THE ARCHITECTS AND STRUCTURAL ENGINEERS PLANS.
- INSTALL TEMPORARY SEDIMENT BARRIERS AROUND ALL INLET PITS TO DETAIL UNTIL SURROUNDING AREAS ARE PAVED OR GRASSED.
- CONTRACTOR IS TO VERIFY THE LOCATION AND LEVEL OF ALL EXISTING SERVICES PRIOR TO COMMENCEMENT OF EXCAVATION FOR DRAINAGE.
- ALL PITS TO BE BENCHED TO HALF PIPE SECTION AND TO HAVE GALVANISED STEEL GRATES AND SURROUNDS.
- PIPE GRADES SHOWN ARE INDICATIVE MINIMUM.
- PIPES ARE TO BE LAID TO I.L. LEVELS INDICATED AT PITS.
- ALL STORMWATER TO CONNECT TO EXISTING STORMWATER MAIN, LOCATION TO BE CONFIRMED ONSITE

TRASH SCREEN NOTES

- MAXIMESH SCREENS MUSH BE PLACED SUCH THAT THE LONG AXIS OF THE OVAL SHAPED HOLES ARE ORIENTED HORIZONTALLY WITH THE PROTRUDING LIP ANGLES UPWARDS AND FACING TOWARDS THE OUTLET.
- MAXIMESH TO BE GALVANISED LYSAGHT RH3030 MAXIMESH CAGE (OR EQUIVALENT)
- THE SCREEN IS TO BE FORMED BY WELDING TWO TRIANGULAR MAXIMESH (OR EQUIVALENT) PANELS TO A RECTANGULAR FRONT MAXIMESH PANEL (OR EQUIVALENT).

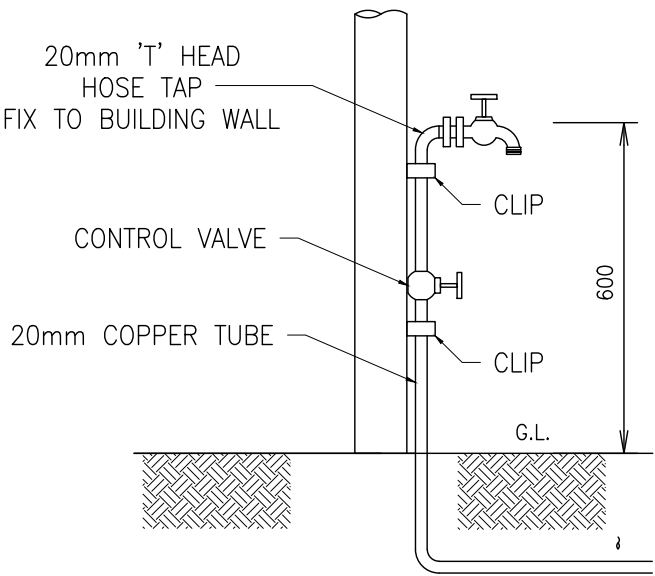


BLACK TAP ON YELLOW BACKGROUND
WHITE LETTERING ON BLACK STRIP
BLACK BORDER



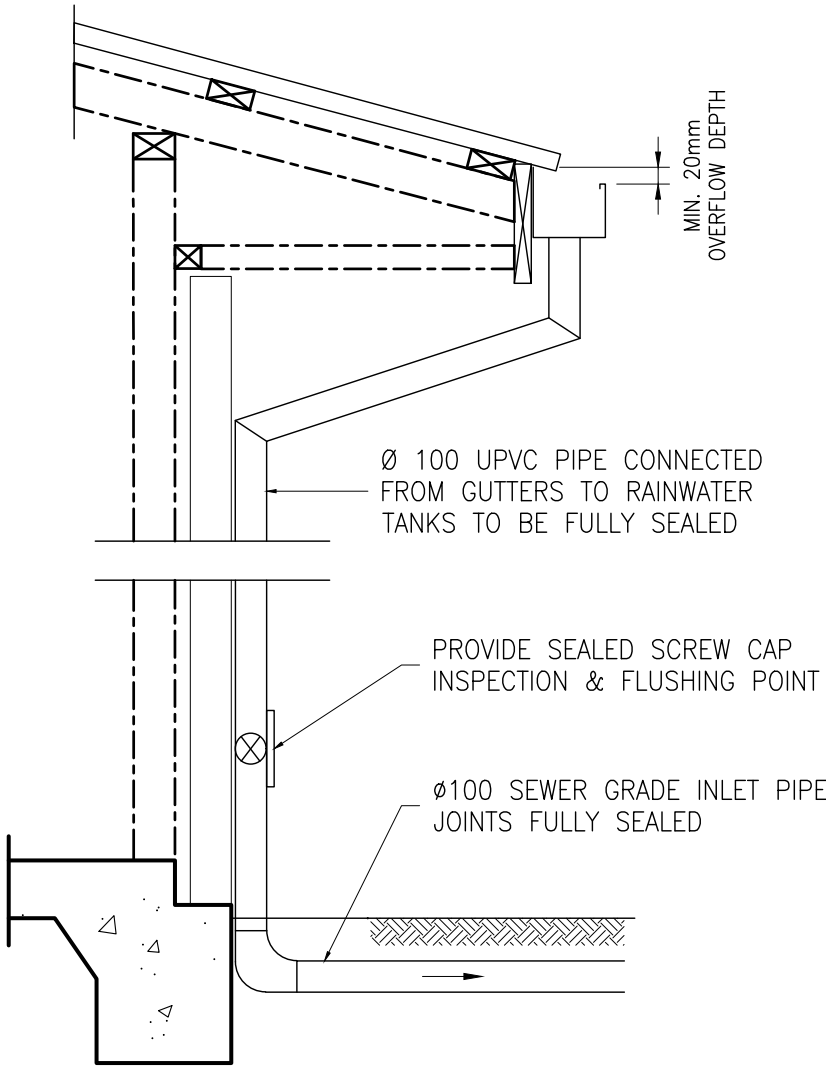
TYPICAL GRATED DRAIN DETAIL

NOT TO SCALE



HOSE TAP DETAIL

NOT TO SCALE



TYPICAL CHARGED DOWNPIPE OVERFLOW

NOT TO SCALE



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APPROVED BY:



GERVASE PURICH
FIEAust, C.P.Eng., NER, BPB, RPEQ

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DATE: 31.08.21
DRAWN: OE
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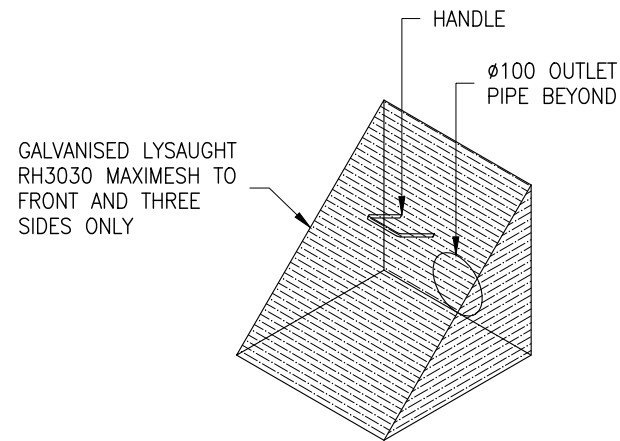
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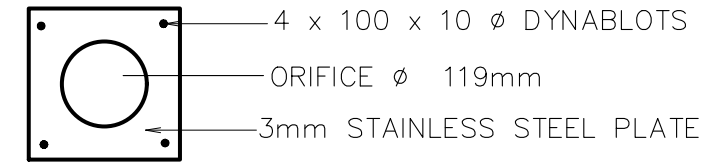
FOR: MR & MRS SKALIC
SITE ADDRESS: LOT 2, 50 CARAWA RD, CROMER

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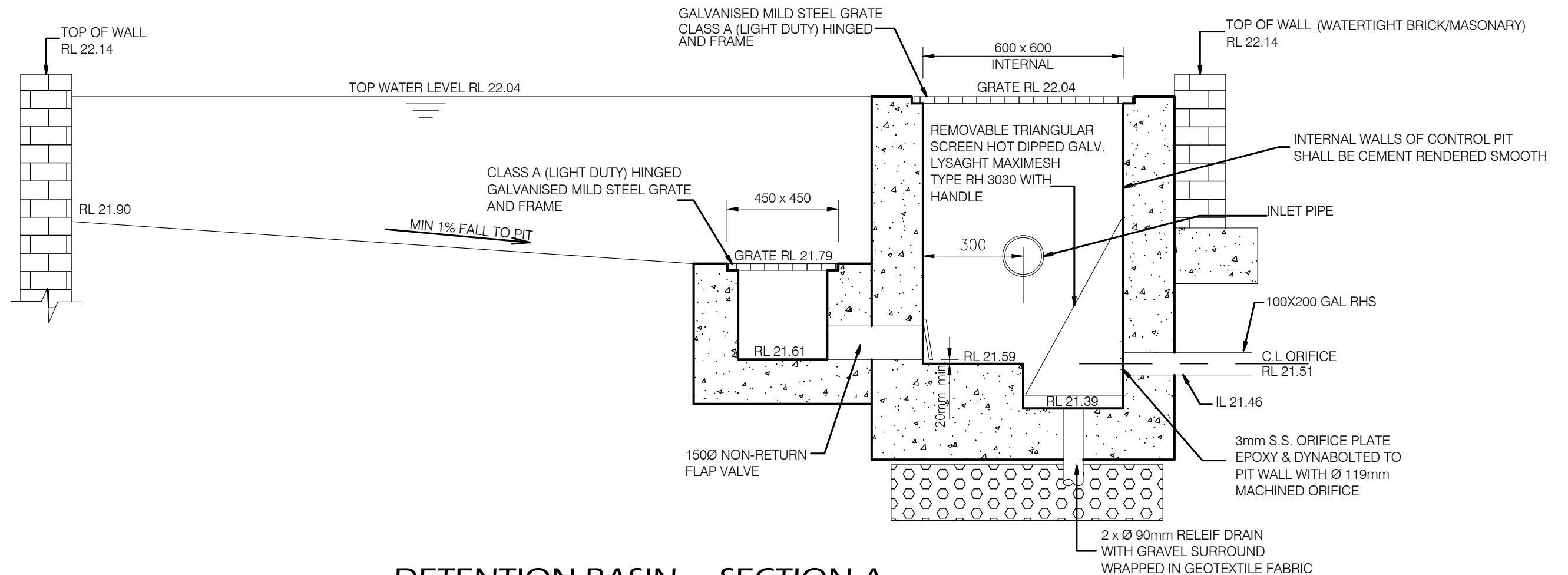
JOB No: MT0008	ISSUE: A
SHEET No: 02 of 03	



TRASH SCREEN CAGE DETAIL
N.T.S



ORIFICE DETAIL
SCALE NTS



DETENTION BASIN - SECTION A



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