



NO EXCAVATION IN FOOTPATH WITHOUT CHECKING FOR DEPTH AND LOCATION OF SERVICES

www.dialbeforeyoudig.com.au

CONNECT OVERFLOW FROM EXISTING RAINWATER TANK TO VEHICULAR ADJACENT DRAINAGE SYSTEM Ø100mm UPVC @ 1.0% (min) CROSSING (RAINWATER TANK OVERFLOW) 42.675 metres TOK 5.56 Ø100mm UPVC @ 1.0% (min) PIT 'B' (300 x 300) SL 6.00 IL 5.60 FLOOR LEVEL RL 6.50 RL 6.42 HAY *SL 6.20 SL 6.20+ TOK 5.52 WR 5.37 6.0√ LANDSCAPE STREET AREA POLE TOK 5.47 WR 5.32 SL 6.15 + A CARPORT EXISTING VEHICULAR DRIVEWAY ø100mm UPVC @ 1.0% (min) -(CONNECT INTO REAR (OF EXISTING LINTEL) 100mm CROSSING SL 6.15₊ GRATE SL 6.10₊ DP8 BENCH MARK TOP OFKERB RL 5.41 (AHD)

SILT ARRESTOR PIT

IL 5.40 (PIPE INVERT) IL 5.20 (PIT INVERT)

(450 x 450)

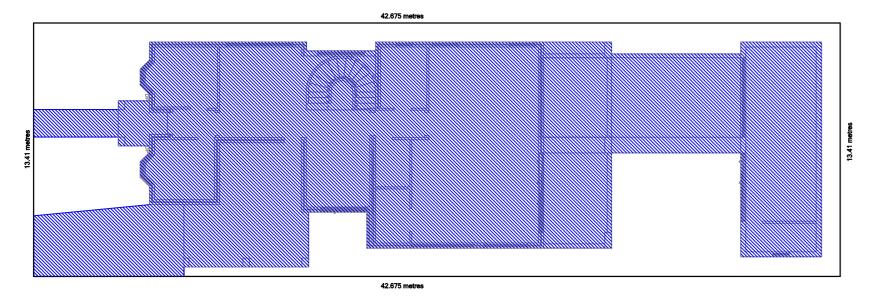
SL 5.80

Ø100mm UPVC @ 1.0% (min) POOL COPING RL 6.42 × 6.50 POOL POOL COPING OUTBUILDING RL 6.50 RL 6.42 FLOOR LEVEL RL 6.50 Ø100mm 'AGG' LINE -(WRAPPED IN GEOTEXTILE FABRIC) ALFRESCO (SEE DETAIL SHEET 3) RL 6.42 COURTYARD 42.675 metres PIT 'C' (300 x 300) SL 6.35

IL 6.00

DRAINAGE PLAN

(GROUND FLOOR PLAN) SCALE 1:100

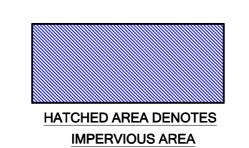


WR 5.19

EXISTING GULLY PIT SL 5.19

IMPERVIOUS AREA (POST-DEVELOPED)

IMPERVIOUS AR	EA S	UMMARY
SITE AREA	(m ²)	572.3
IMPERVIOUS AREA	(m²)	385
IMPERVIOUS AREA	(%)	67.3



NOTES: RAINWATER TANKS

- 1. RAINWATER TANK CAPACITY OF 5000 LITRES 2. THE SYSTEM TO BE DESIGNED WITH THE FOLLOWING GUIDELINES - A 'FIRST FLUSH' DIVERSION TO REMOVE ROOF CONTAMINANTS - ADEQUATE SCREENING TO PREVENT MOSQUITO BREEDING AND ENTRY OF ANIMALS OR FOREIGN MATTER
- 3. TANKS TO BE PLUMBED TO TOP-UP FROM THE POTABLE WATER SUPPLY DURING DRY PERIODS WHEN THE TANKS ARE 80% EMPTY. 4. NO DIRECT CROSS-CONNECTION WITH THE SYDNEY WATER POTABLE SUPPLY
- AND AN AIR GAP MAINTAINED ABOVE THE OVERFLOW IN THE TANK. 5. A SIGN TO BE INSTALLED STATING "NOT FOR HUMAN CONSUMPTION.
- 6. RAINWATER TANK TO BE CONNECTED AS PER BASIX REQUIREMENTS. 7. OVERFLOW FROM THE TANK SHALL BE PIPED TO THE DRAINAGE SYSTEM.

	RAINWATER TANKS				
	MODEL	CAPACITY	DIMENSIONS		
	BAGEL	5000 Litres	3780mm (length) x 2400mm (width) x 1270mm (high)		
	SUPPLIER - WATERPLEX - PHONE NUMBER: 9113 5593				
WEBSITE: WWW.WATERPLEX.COM.AU					
	13 VICARS PLACE WETHERILL PARK NSW 2164				

NOTES:

- 1. ALL WORK SHALL BE IN ACCORDANCE WITH THE BUILDING CODE OF AUSTRALIA A.S.3500.3,
- COUNCILS STANDARD SPECIFICATION CODES AND THE THE SATISFACTION OF COUNCIL'S SUPERVISING OFFICER. 2. THIS PLAN IS TO BE READ IN CONJUNCTION WITH THE ARCHITECTURAL, LANDSCAPE AND STRUCTURAL PLANS. 3. MINIMUM GRADES FOR ALL PIPE - 1.0%.
- 4. DIRECT SURFACE FLOW TO ALL GRATED SURFACE INLET PITS.
- 5. ALL DESIGN LEVELS SHOWN ON PLAN SHALL BE VERIFIED ON SITE PRIOR TO THE COMMENCEMENT OF ANY WORK. 6. ANY DISCREPANCIES OR OMISSIONS SHALL BE REFERRED TO THE DESIGN ENGINEER FOR RESOLUTION.

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ACE

AE661430

WIDE

6.095

DRAIN

NOTES: DRAINAGE LINES

DRAINAGE LINES SHOWN DASHED

DRAINAGE LINES SHOWN DASHED

DRAINAGE LINES SHOWN DASHED

TO DISCHARGE RAINWATER TANK OVERFLOW

DRAINAGE LINES SHOWN DASHED

TO COLLECT SUB SOIL DRAINAGE

LEGEND:

DP • DOWN PIPE

SP 🛕 SPREADER

CE •

AIR TIGHT / SCREW DOWN

CLEAN OUT POINT

SL 49.45+ PROPOSED SURFACE LEVEL 49.45

IL 49.45 + PROPOSED INVERT LEVEL 49.45

WR 49.45+ PROPOSED WATER RUN LEVEL 49.45

TOK 49.45+ TOP OF KERB LEVEL LEVEL 49.45

RW 49.45 TOP OF RETAINING WALL 49.45

KIP KERB INLET PIT

EL 49.45+ EXISTING LEVEL 49.45

TO COLLECT ROOF WATER ONLY TO RAINWATER TANK

TO COLLECT SURFACE WATER

CIVIL & HYDRAULIC ENGINEERS

PROPOSED RESIDENTIAL DWELLING 98 HAY STREET ASHBURY NSW 2133

DESIGNED: PAUL ARRAJ
BE (CIVIL), MIE(AUST), P. Eng
ACE-CIVIL & HYDRAULIC ENGINEERS
8 LEIGHDON STREET
BASS HILL, NSW, 2197
PHONE / FAX: (02) 9790 7921
MOBILE: 0412 331151

EMAIL: arraj@smartchat.net.au DRAINAGE PLAN

DRAWING No.

SHEET No. 1 No. OF SHEETS: 3

DATE 22 02 2022

SCALE: AS SHOWN

2122-46

DRAWN BY: P.A.

NOTES: ROAD RESERVE & FOOTWAY DRAINAGE ELEMENTS

ALL STORMWATER DRAINAGE ELEMENTS PROPOSED WITHIN THE ROAD RESERVE AND FOOTWAY SHALL BE CONSTRUCTED UNDER THE SUPERVISION AND TO THE SATISFACTION OF COUNCIL'S ENGINEER. NOTES: COUNCIL ISSUED FOOTWAY DESIGN LEVELS

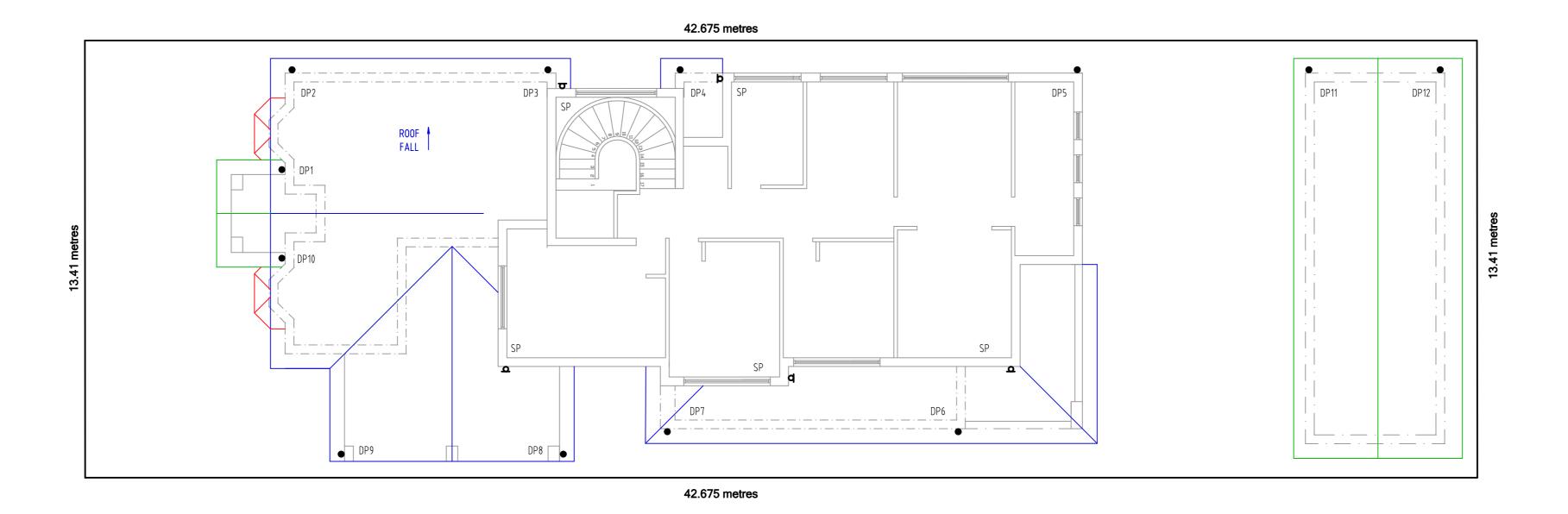
COUNCIL'S ISSUED FOOTWAY DESIGN LEVELS TO BE INCORPORATED INTO THE FINISHED LEVELS ONCE ISSUED BY CANTERBURY - BANKSTOWN COUNCIL.



NOTES: SERVICES NO EXCAVATION IN FOOTPATH WITHOUT CHECKING FOR DEPTH AND LOCATION OF SERVICES







DRAINAGE PLAN

(FIRST FLOOR PLAN) SCALE 1:100

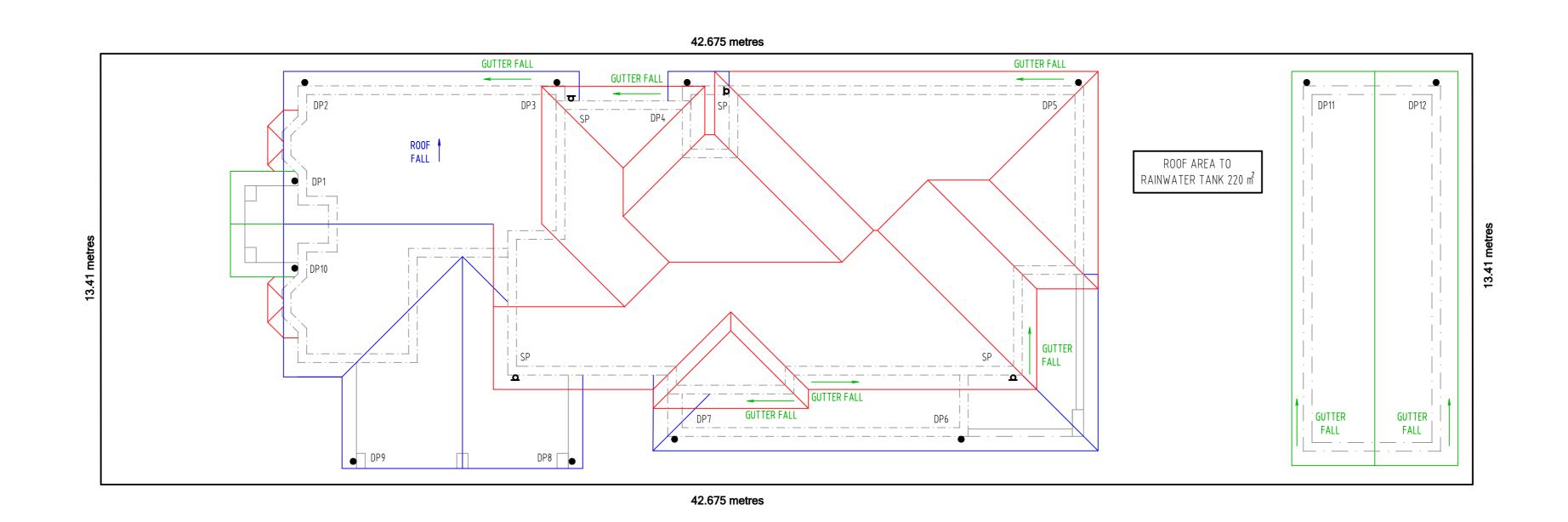
NOTES: DOWNPIPES

ALL DOWNPIPES CONNECTED TO THE RAINWATER TANK ARE TO BE SEALED TO GUTTER LEVEL AND PAINTED.

NOTE: LEAF EATER RAINWATER HEADS

PROVIDE LEAF EATER RAINHEAD TO EACH DOWNPIPE TO ENSURE EACH DOWNPIPE AND RAINWATER TANK ARE KEPT CLEAN

HAY STREET



DRAINAGE PLAN

(ROOF PLAN) SCALE 1:100

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IL 49.45 + PROPOSED INVERT LEVEL 49.45 WR 49.45+ PROPOSED WATER RUN LEVEL 49.45 TOK 49.45+ TOP OF KERB LEVEL LEVEL 49.45 RW 49.45 TOP OF RETAINING WALL 49.45 KIP KERB INLET PIT

CE • AIR TIGHT / SCREW DOWN CLEAN OUT POINT

SL 49.45+ PROPOSED SURFACE LEVEL 49.45

EL 49.45+ EXISTING LEVEL 49.45

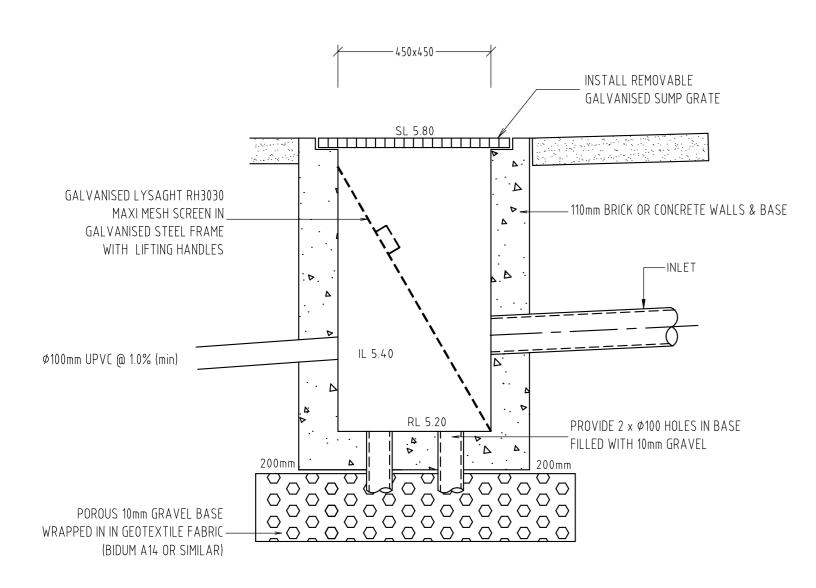
LEGEND:

CIVIL & HYDRAULIC ACE **ENGINEERS**

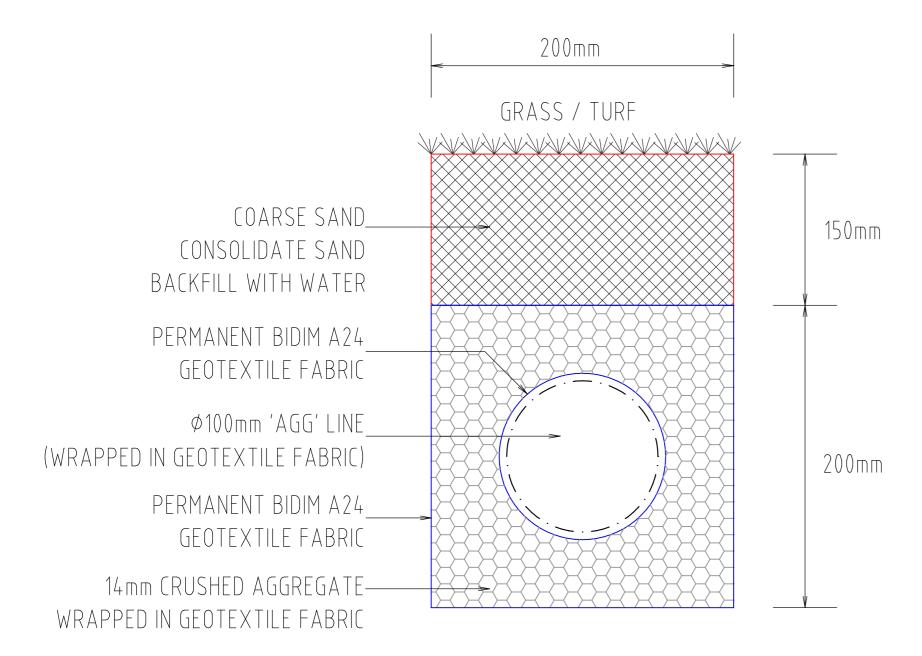
PROPOSED RESIDENTIAL DWELLING 98 HAY STREET ASHBURY NSW 2133

DESIGNED: PAUL ARRAJ DATE 22 02 2022 BE (CIVIL), MIE(AUST), P. Eng DRAWN BY: P.A. ACE-CIVIL & HYDRAULIC ENGINEERS SCALE: AS SHOWN 8 LEIGHDON STREET 2122-46 BASS HILL, NSW, 2197 PHONE / FAX: (02) 9790 7921 DRAWING No. MOBILE: 0412 331151 SHEET No. 2 No. OF SHEETS: 3 EMAIL: arraj@smartchat.net.au

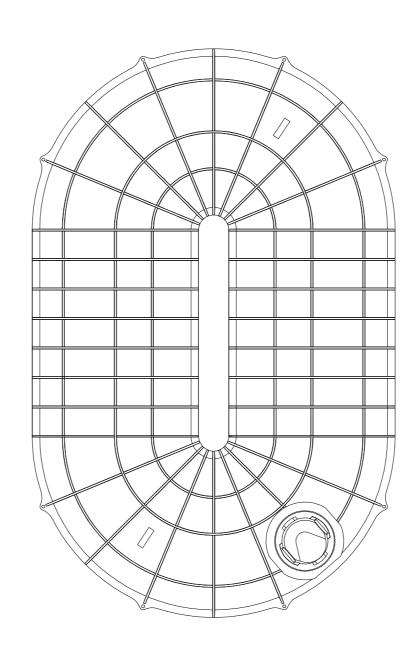
DRAINAGE PLAN



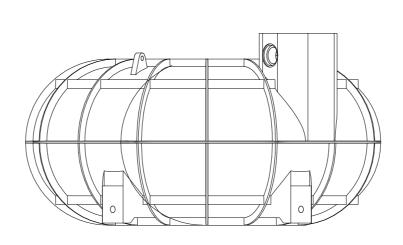
SILT ARRESTOR PIT



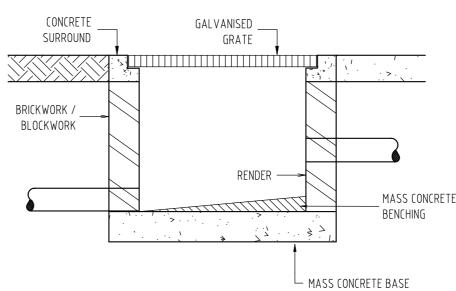
TYPICAL SUB-SOIL DETAIL (SECTION A) NTS



PLAN OF RAINWATER TANK NTS



SIDE VIEW OF RAINWATER TANK NTS



TYPICAL PIT DETAIL

RAINWATER TANKS				
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MASS CONCRETE

NTS

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LEGEND: DP • DOWN PIPE AIR TIGHT / SCREW DOWN CLEAN OUT POINT EL 49.45 + EXISTING LEVEL 49.45 SL 49.45+ PROPOSED SURFACE LEVEL 49.45 IL 49.45 + PROPOSED INVERT LEVEL 49.45 WR 49.45+ PROPOSED WATER RUN LEVEL 49.45 TOK 49.45+ TOP OF KERB LEVEL LEVEL 49.45 RW 49.45 TOP OF RETAINING WALL 49.45 KIP KERB INLET PIT

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DRAINAGE PLAN

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