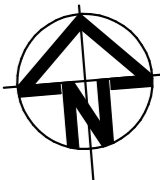
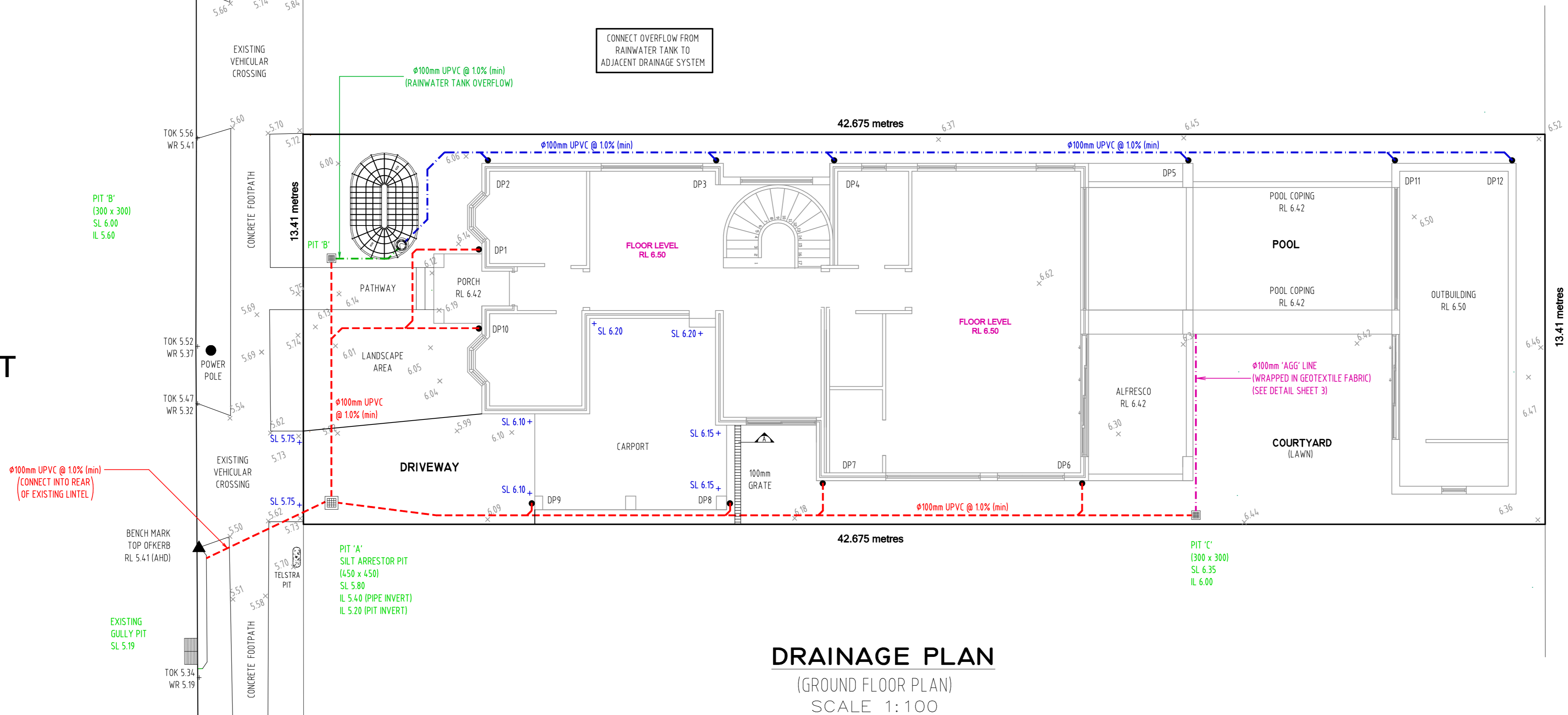




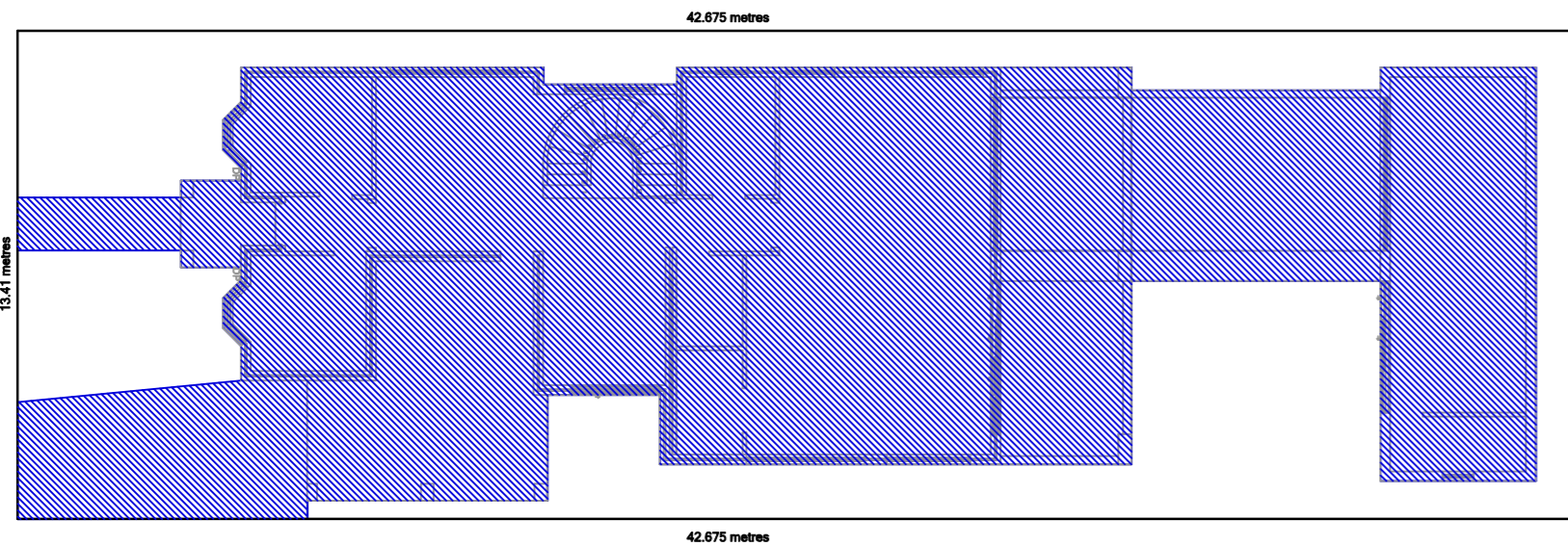
**NOTES: SERVICES**  
NO EXCAVATION IN FOOTPATH WITHOUT CHECKING FOR DEPTH AND LOCATION OF SERVICES



HAY STREET

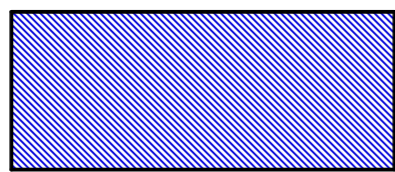


EASEMENT TO DRAIN WATER 6.095 WIDE AE661430



IMPERVIOUS AREA  
(POST-DEVELOPED)  
SCALE: 1:200

IMPERVIOUS AREA SUMMARY	
SITE AREA (m <sup>2</sup> )	572.3
IMPERVIOUS AREA (m <sup>2</sup> )	385
IMPERVIOUS AREA (%)	67.3



HATCHED AREA DENOTES  
IMPERVIOUS AREA

**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: RAINWATER TANKS**

- RAINWATER TANK CAPACITY OF 5000 LITRES
- 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
- TANKS TO BE PLUMBED TO TOP-UP FROM THE POTABLE WATER SUPPLY DURING DRY PERIODS WHEN THE TANKS ARE 80% EMPTY.
- NO DIRECT CROSS-CONNECTION WITH THE SYDNEY WATER POTABLE SUPPLY AND AN AIR GAP MAINTAINED ABOVE THE OVERFLOW IN THE TANK.
- A SIGN TO BE INSTALLED STATING 'NOT FOR HUMAN CONSUMPTION'.
- RAINWATER TANK TO BE CONNECTED AS PER BASIX REQUIREMENTS.
- 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:**

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

**NOTES: DRAINAGE LINES**

- DRAINAGE LINES SHOWN DASHED** - - - - -  
TO COLLECT SURFACE WATER
- DRAINAGE LINES SHOWN DASHED** - - - - -  
TO COLLECT ROOF WATER ONLY TO RAINWATER TANK
- 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
- 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 49.45
- RW 49.45 TOP OF RETAINING WALL 49.45
- KIP KERB INLET PIT

ACE

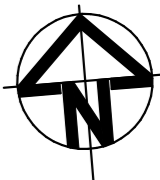
CIVIL & HYDRAULIC  
ENGINEERS

PROPOSED RESIDENTIAL DWELLING  
98 HAY STREET  
ASHBURY NSW 2133

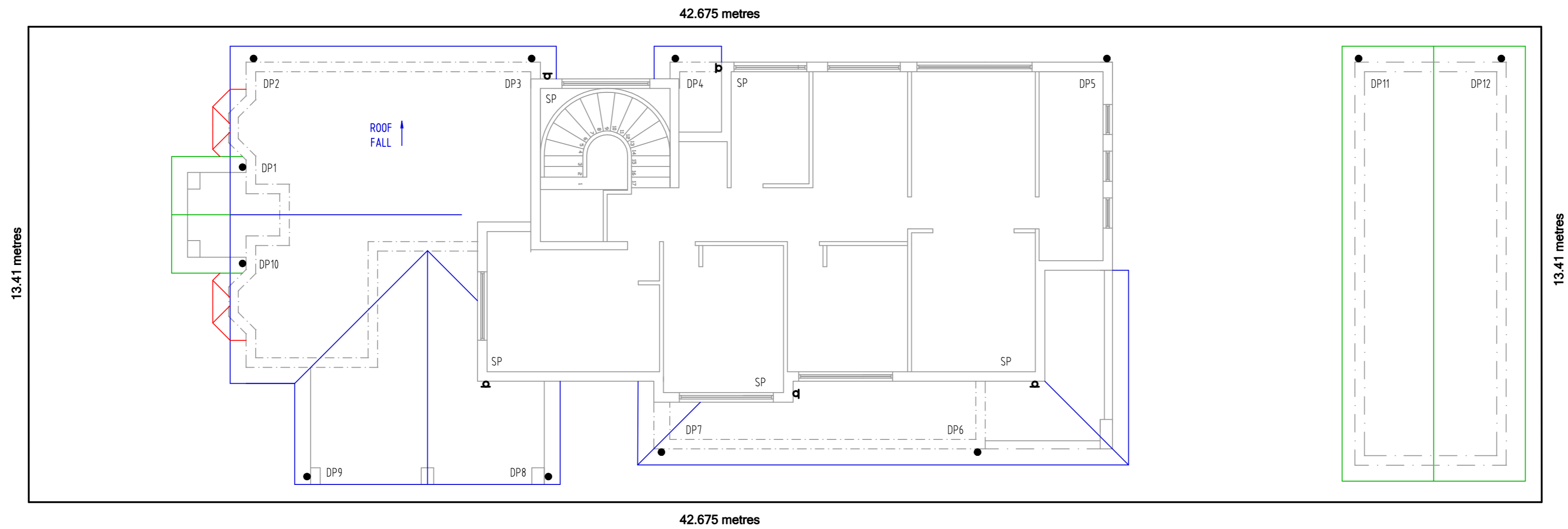
DESIGNED: PAUL ARRAJ	DATE 22.02.2022
BE (CIVIL), MIE(AUST), P. Eng	DRAWN BY: P.A.
ACE-CIVIL & HYDRAULIC ENGINEERS	SCALE: AS SHOWN
8 LEIGHDON STREET BASS HILL, NSW, 2197 PHONE / FAX: (02) 9790 7921 MOBILE: 0412 331151 EMAIL: arroj@smartchat.net.au	<b>2122-46</b> DRAWING No.: SHEET No. 1 No. OF SHEETS: 3
DRAINAGE PLAN	A1



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



HAY  
STREET

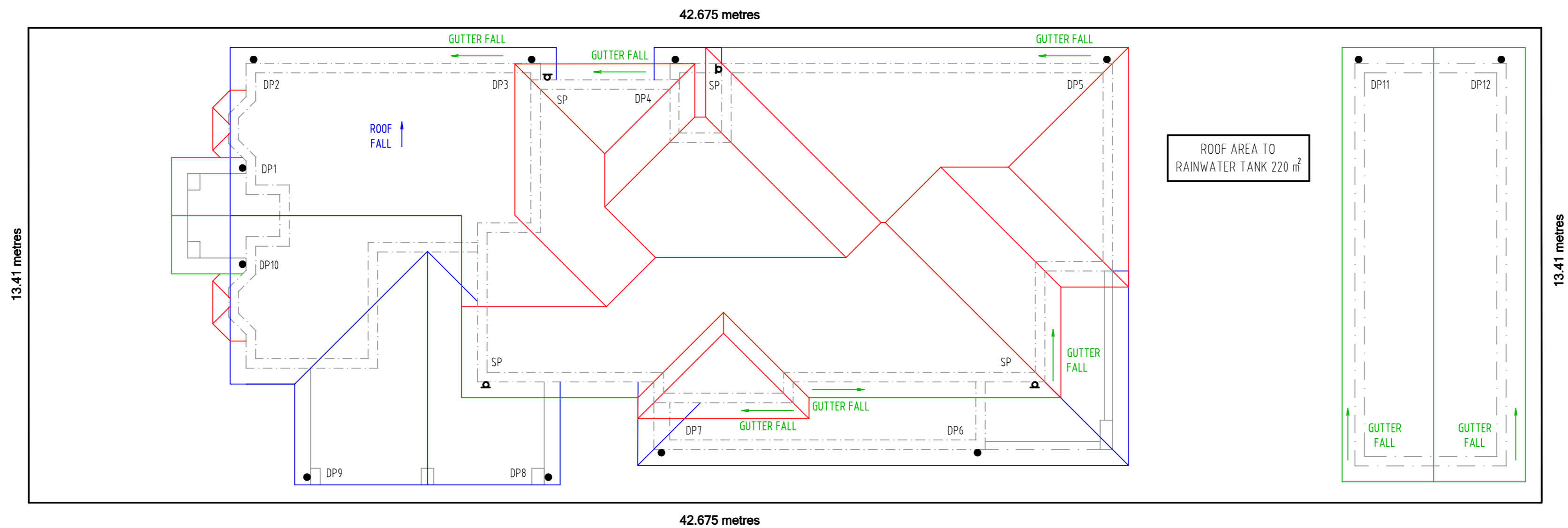


DRAINAGE PLAN  
(FIRST FLOOR PLAN)  
SCALE 1:100

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

LEGEND:	
DP	DOWN PIPE
SP	SPREADER
CE	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 49.45
RW 49.45	TOP OF RETAINING WALL 49.45
KIP	KERB INLET PIT

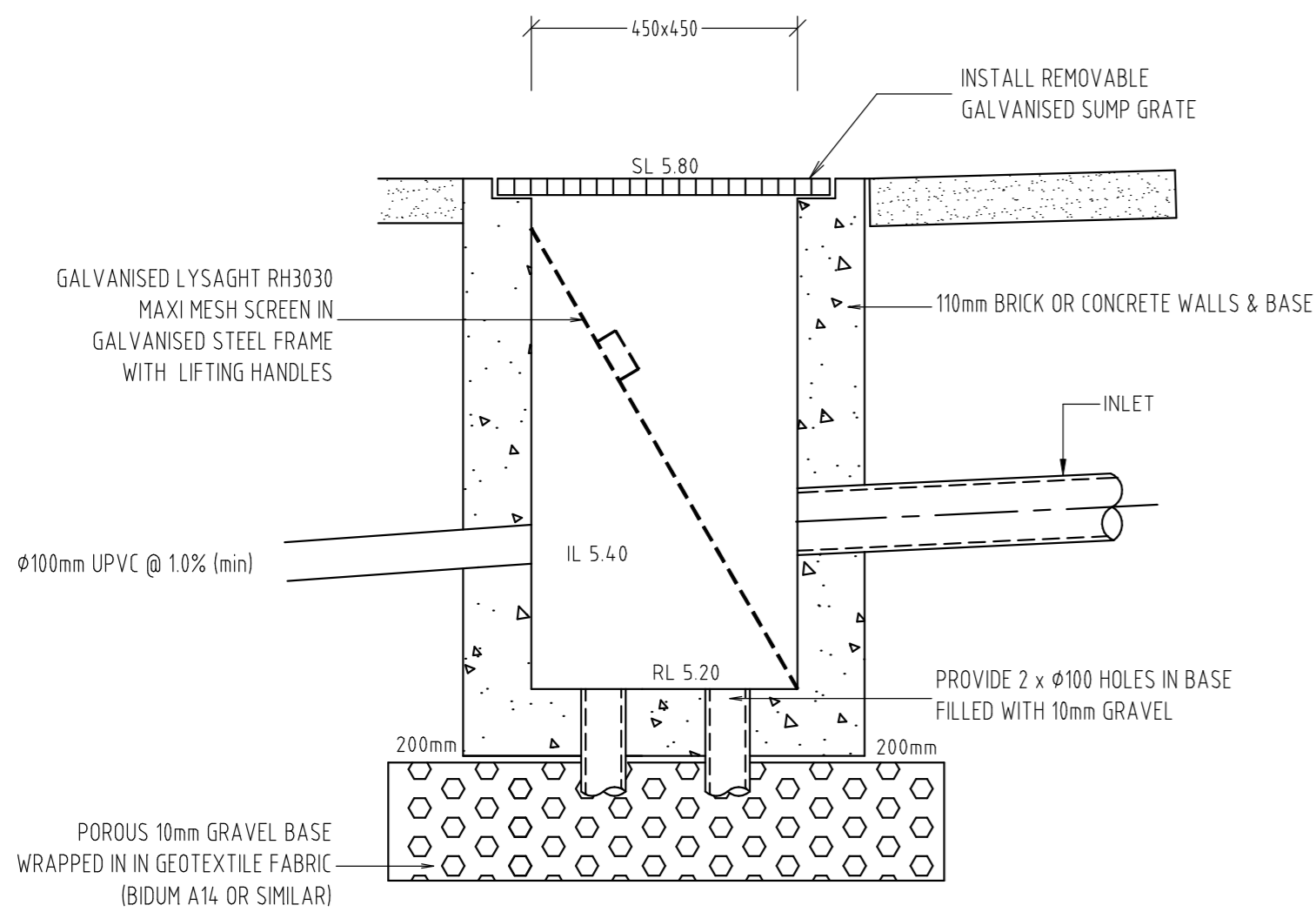
NOTES:  
1. ALL WORK SHALL BE IN ACCORDANCE WITH THE BUILDING CODE OF AUSTRALIA A.S.3500.3,  
COUNCIL'S STANDARD SPECIFICATION CODES AND THE THE SATISFACTION OF COUNCIL'S SUPERVISING OFFICER.  
2. THIS PLAN IS TO BE READ IN CONJUNCTION WITH THE ARCHITECTURAL, LANDSCAPE AND STRUCTURAL PLANS.  
3. MINIMUM 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.  
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ACE CIVIL & HYDRAULIC  
ENGINEERS

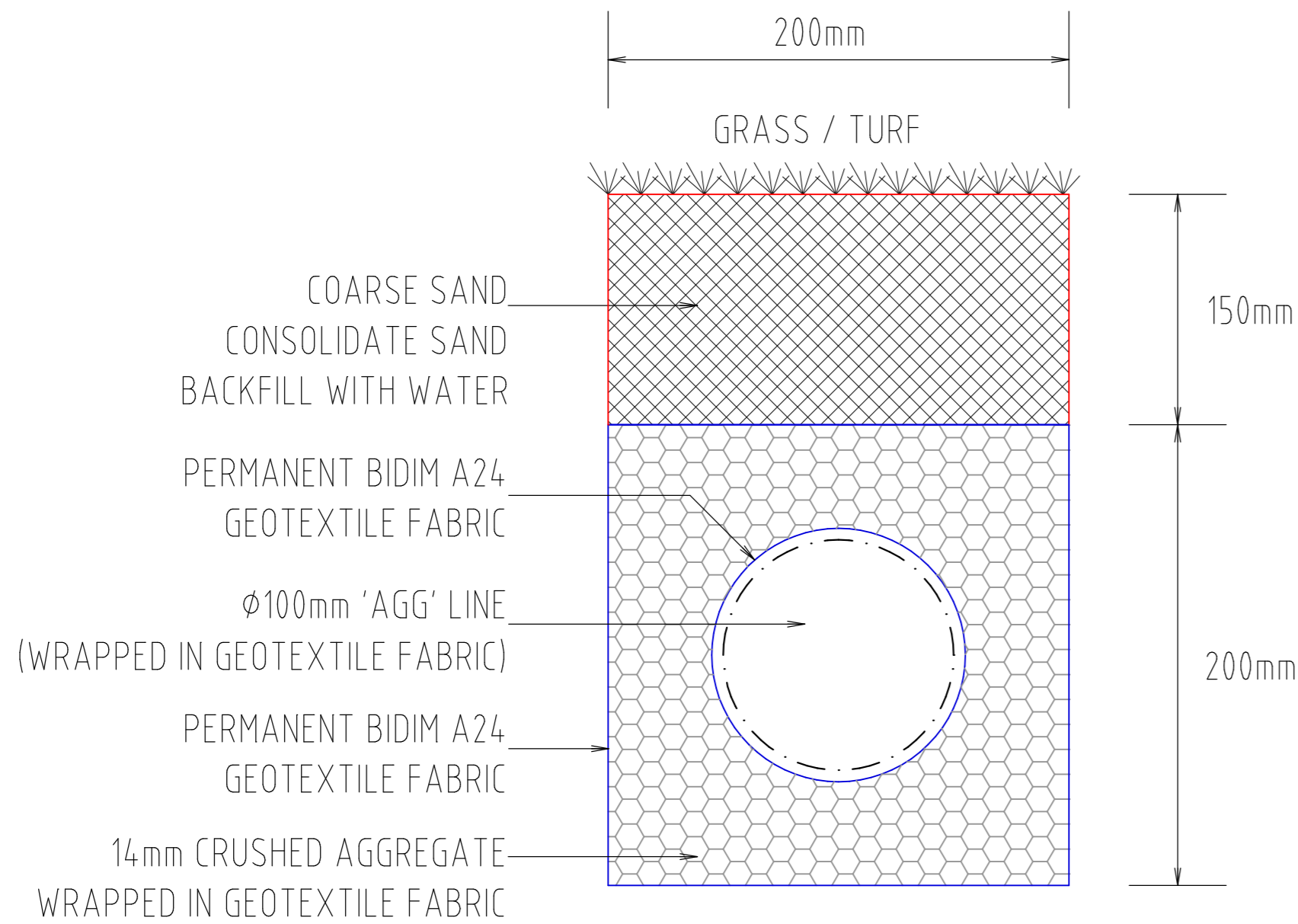
PROPOSED RESIDENTIAL DWELLING  
98 HAY STREET  
ASHBURY NSW 2133

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 BASS HILL, NSW, 2197 PHONE / FAX: (02) 9790 7921 MOBILE: 0412 331151 EMAIL: arroj@smartchat.net.au	2122-46 DRAWING No.: SHEET No. 2 No. OF SHEETS: 3

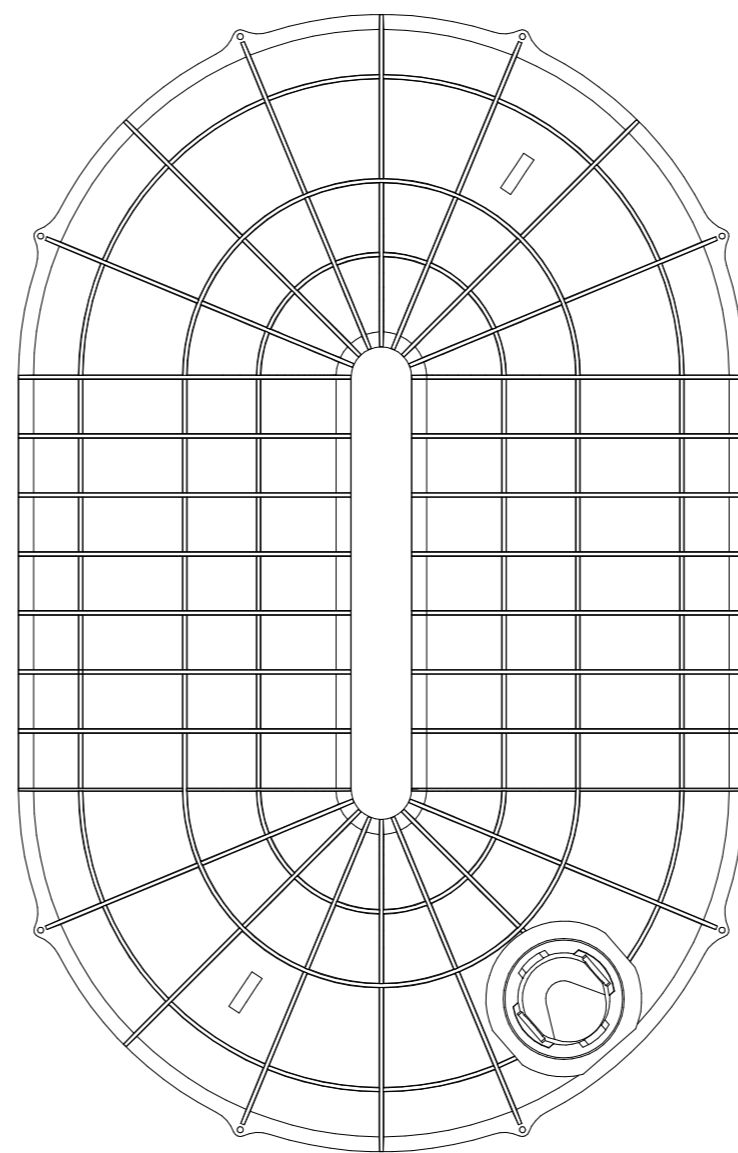
DRAINAGE PLAN A1



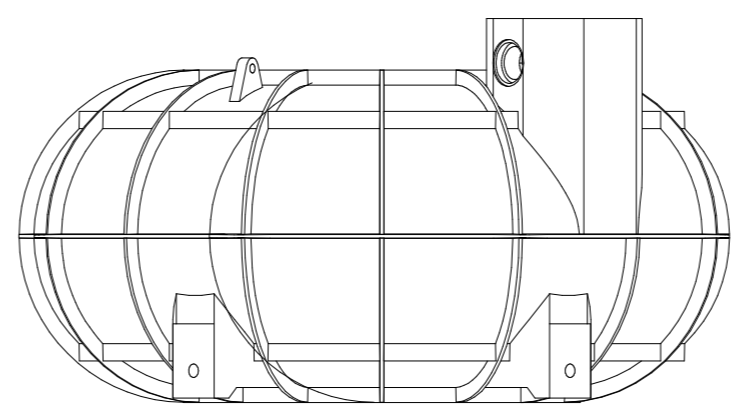
SILT ARRESTOR PIT  
(PIT 'A')  
NTS



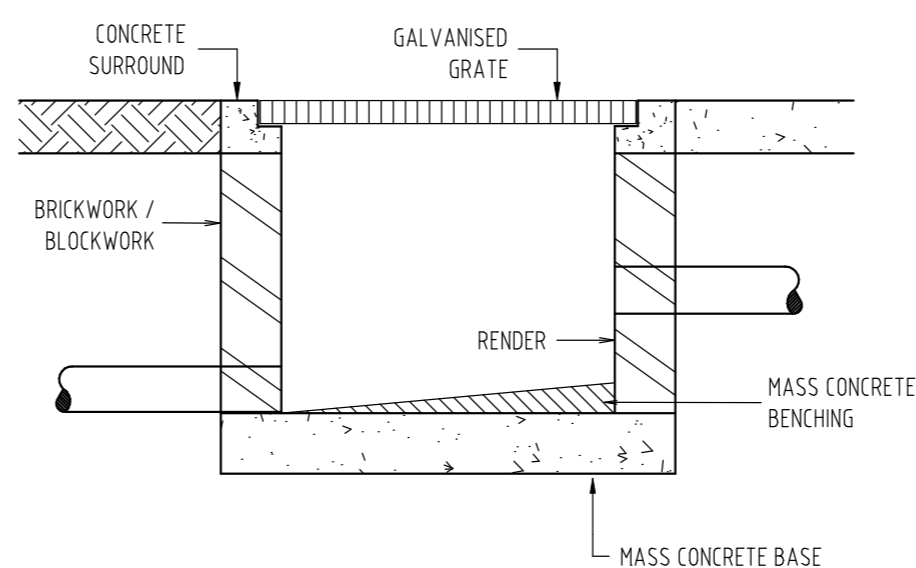
TYPICAL SUB-SOIL DETAIL  
(SECTION A)  
NTS



PLAN OF RAINWATER TANK  
NTS



SIDE VIEW OF RAINWATER TANK  
NTS



TYPICAL PIT DETAIL  
NTS

RAINWATER TANKS		
MODEL	CAPACITY	DIMENSIONS
BAGEL	5000 Litres	3780mm (length) x 2400mm (width) x 1270mm (high)
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DESIGNED: PAUL ARRAJ  
BE (CIVIL), MIE(AUST), P. Eng

DATE 22.02.2022  
DRAWN BY: P.A.

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SCALE: AS SHOWN

2122-46

DRAWING No.:  
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DRAINAGE PLAN

A1