

VANGUARD | CONSULTING ENGINEERS

PROPOSED SECONDARY DWELLING AT
42 WOODBINE STREET, YAGOONA NSW 2199

VANGUARD CONSULTING ENGINEERS OFFICE 3.07 LEVEL 3, 14-16, LEXINGTON DRIVE, BELLA VISTA, 2154 M: (02) 9145 0253 WWW.VCENG.COM.AU ADMIN@VCENG.COM.AU		DRAWN	DATE	DESCRIPTION	ISSUE	CLIENT	DESIGNED BY:	D.S.	ISSUE:	COVER PAGE
		D.S.	28.02.2024	ISSUED FOR C.D.C.	A	JEREMY STEPHENS	CHECKED BY:	D.S.	A	
						SITE ADDRESS	SCALE:	1:100		
						42 WOODBINE STREET, YAGOONA NSW 2199	CLIENT REF:	DRAWING NO:	SHEET NO:	
							23286-01	VSW24224	SW01	

600x900 SOLID LID
PUMP-OUT PIT
RL 53.80
IL 52.80

0.4m LONG x0.1m HIGH
OVERFLOW WEIR @RL 58.60

600x600 PIT
SILT ARRESTOR
RL 53.80
IL 52.80

ATLANTIS CELL ABSORPTION SYSTEM
24x FLO-TANK DOUBLE
685 x 408mm x 880mm (H)
INFILTRATION AREA 6.70m²
TOTAL STORAGE CAP. 24x0.234= 5.61m³
TO MANUFACTURER'S SPEC.

600x600 PIT
SILT ARRESTOR
RL 53.80
IL 52.80

OVERFLOW SEWER RISING MAIN
FROM PUMP-OUT PIT AND
DISCHARGE TO KERB AND GUTTER

Ø100 PVC RAINWATER
TANK OVERFLOW @1% MIN.

PROPOSED RAINWATER TANK TO
BASIX SPECIFICATIONS (TYP.)

RECONNECT THE EXISTING DOWNPIPES
TO DRAIN TO PROPOSED ABSORPTION
SYSTEM (TYP.)

APPROX. LOCATION OF
EXISTING DOWNPIPES TO BE
RETAINED U.N.O (TYP).
LUMBER TO ASSESS CONDITION
AND STATE OF REPAIR (TYP).

BM (NAIL IN KERB)
RL 58.98m AHD

CONNECT TO K&G
TK 58.95
IL 58.80

DESIGN NOTES:

THE SITE IS LOCATED IN CITY OF CANTERBURY-BANKSTOWN COUNCIL.

SITE AREA = 607m²

IN ACCORDANCE TO COUNCIL GUIDELINES, OSD IS NOT REQUIRED FOR SUBJECT DEVELOPMENT.

SITE IS FALLING TO THE REAR. PROPOSED SITE DISCHARGE TO THE ON-SITE ABSORPTION SYSTEM WITH OVERFLOW PUMP-OUT SYSTEM TO WOODBINE STREET.

AREA DRAINING TO ABSORPTION = 362m²
ABSORPTION SYSTEM VOLUME = 0.015m³/100m² x 362m² = 5.43m³

CONTRACTOR TO INSTALL ABOVE GROUND RAINWATER TANK TO COLLECT REQUIRED ROOF AREA IN ACCORDANCE WITH BASIX CERTIFICATE.

RAINWATER TANK TO BE EQUIPPED WITH FIRST FLUSH AND MOSQUITO PROTECTION DEVICES.

ALL NEW STORMWATER PIPES TO HAVE A MINIMUM OF 100mm CONCRETE OR 300mm TOPSOIL COVER U.N.O.

ALL DOWNPIPES SHOWN ON PLAN ARE Ø100mm uPVC U.N.O.

EROSION & SEDIMENT CONTROL NOTES:

CONTRACTOR TO PROVIDE SILT FENCE/HAY BAIL BARRIERS TO THE LOW SIDE OF ALL EXPOSED EARTH EXCAVATIONS (TYP).

ISOLATE EXISTING STORMWATER PITS WITH HAY BALES TO FILTER ALL INCOMING FLOWS.

DO NOT STOCK PILE EXCAVATED MATERIAL ON THE ROAD WAY.

SURVEY

THE EXISTING SITE CONDITIONS SHOWN ON THE FOLLOWING DRAWINGS HAVE BEEN INVESTIGATED BY REGISTERED SURVEYORS. THE INFORMATION IS SHOWN TO PROVIDE A BASIS FOR DESIGN.

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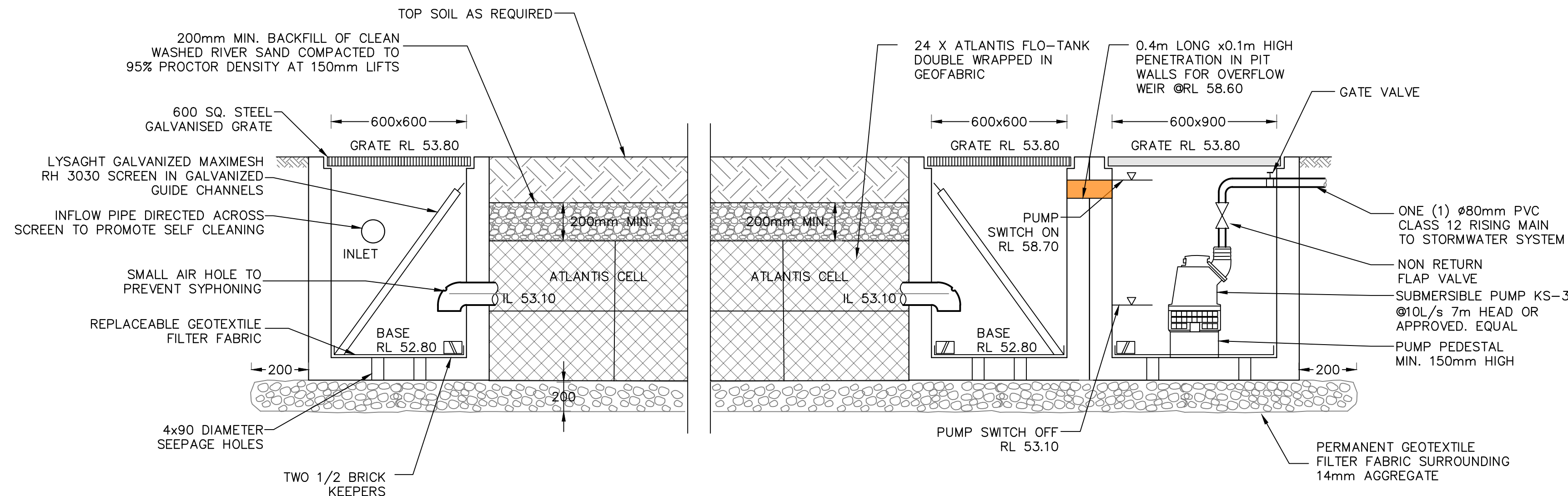
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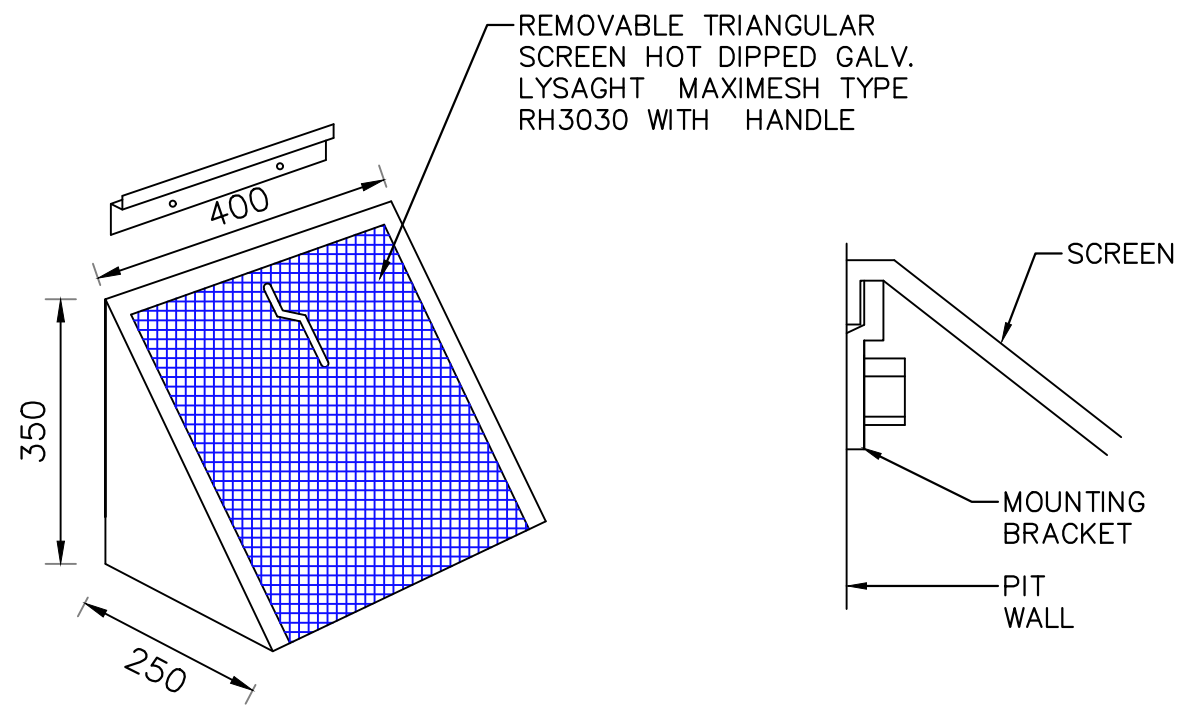
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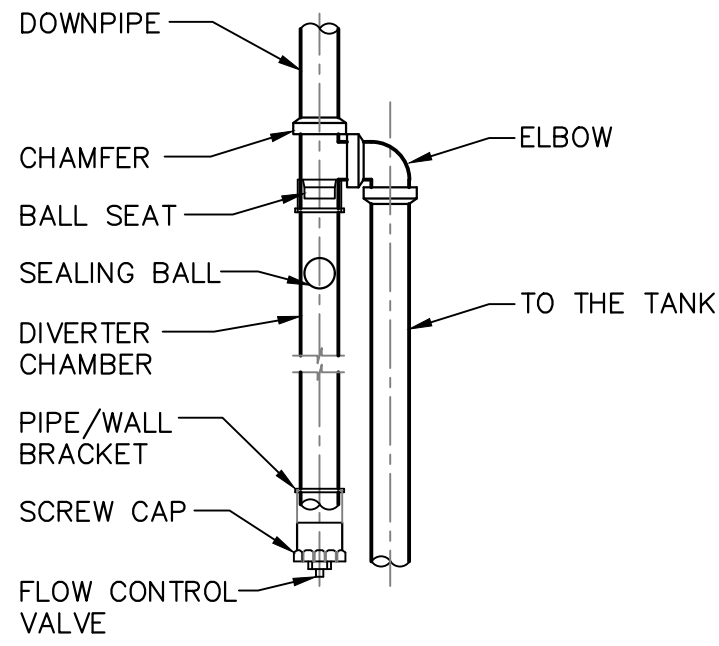
STORMWATER PLANS
GROUND LEVEL



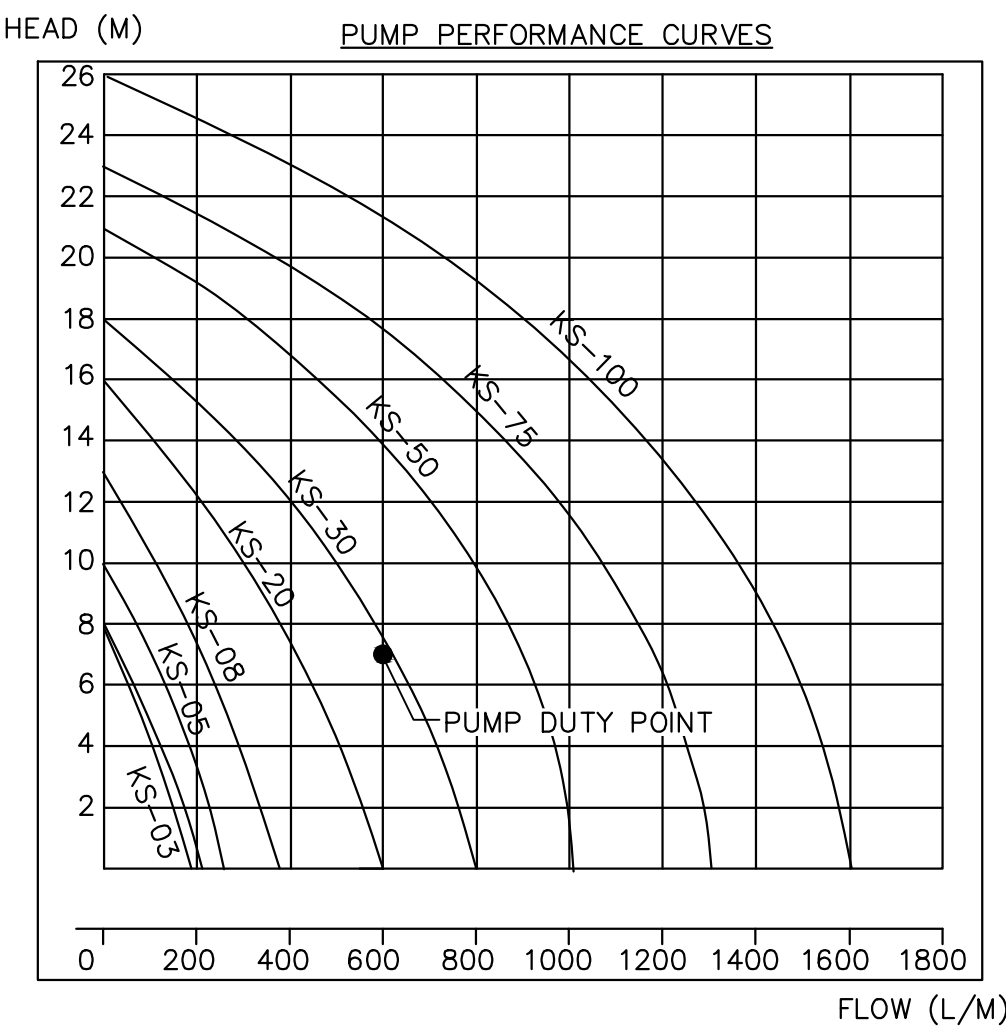
DETAIL 1
ABSORPTION SYSTEM
NOT TO SCALE



DETAIL 3
MULTI PURPOSE FILTER SCREEN
SCALE 1:10



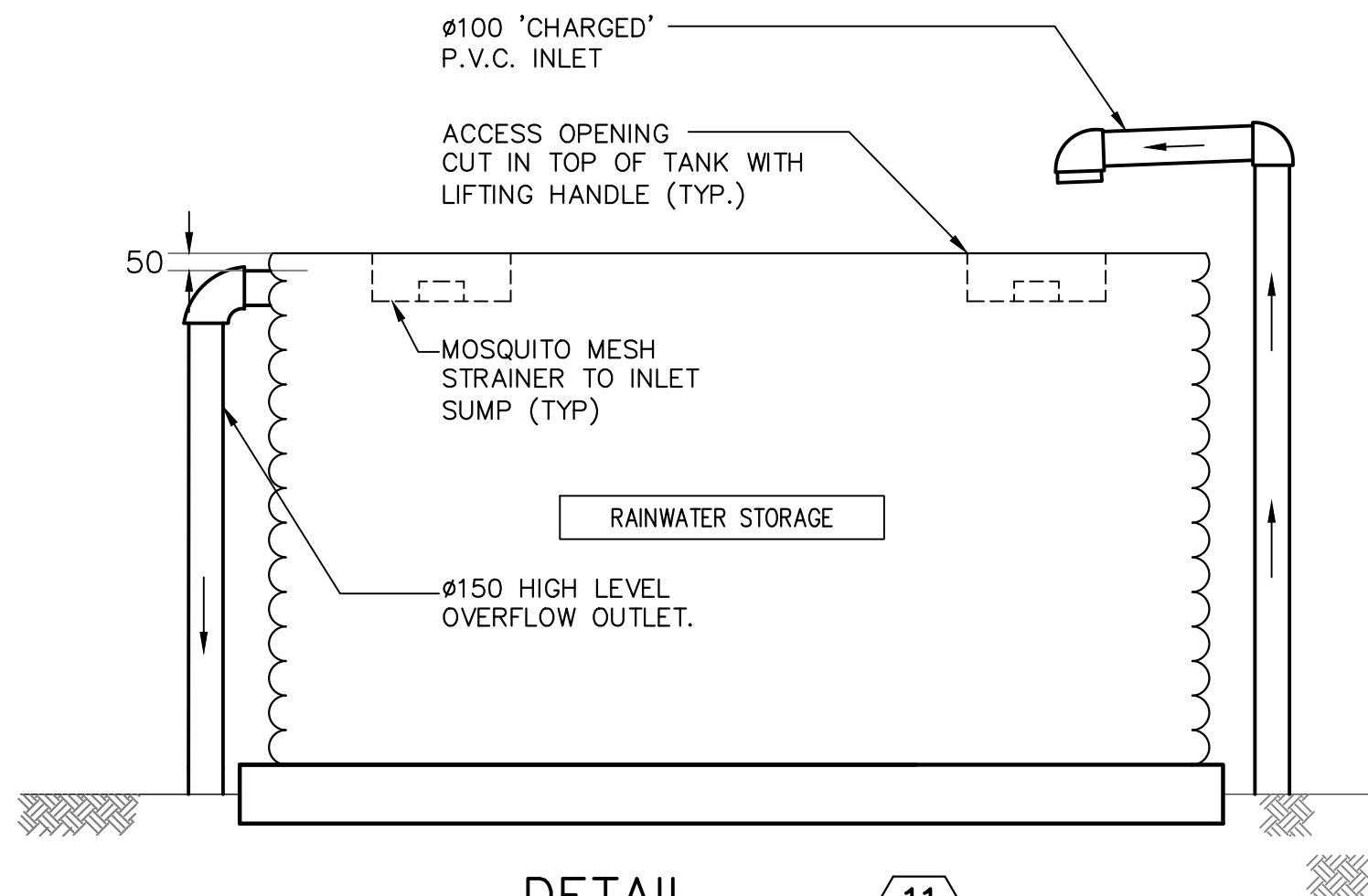
DETAIL 10
FIRST FLUSH DIVERTER
SCALE 1:20



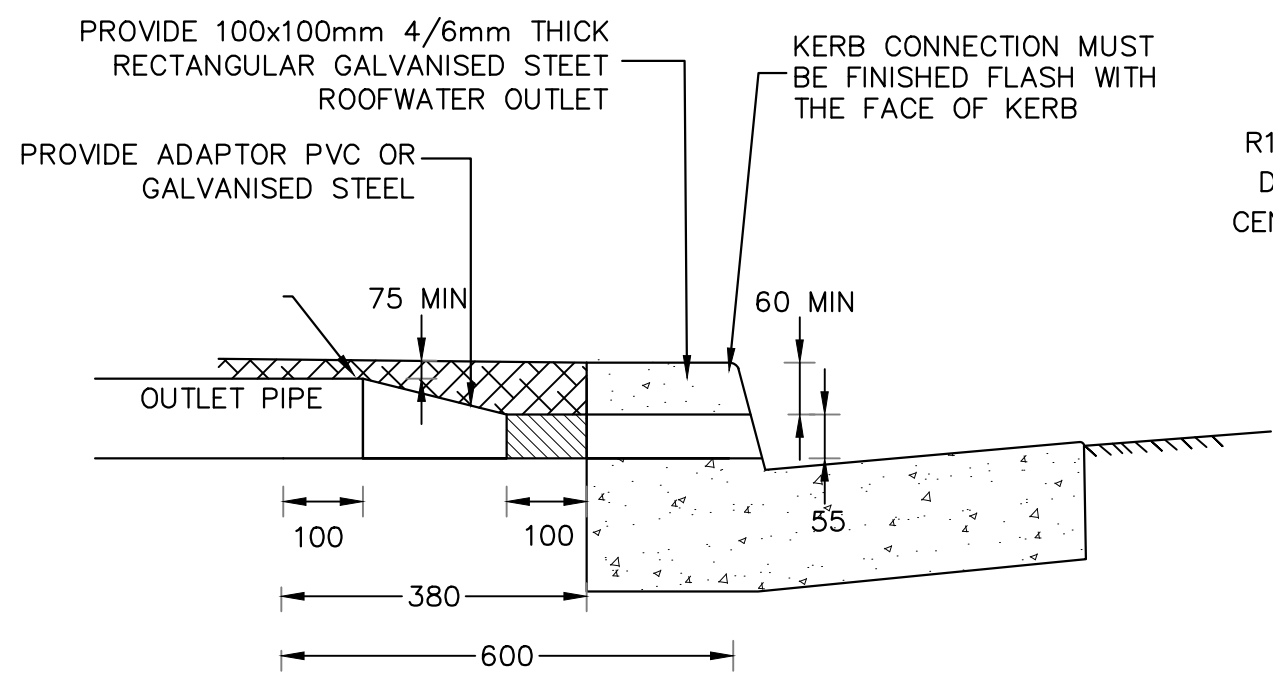
PUMP SIZING

Type	Output		Outlet		Rated Head Capacity		Maximum Head Capacity		Weigh Kg	Dimension		
	HP	kW	mm	Inch	M	LPM	M	LPM		L(mm)	W(mm)	H(mm)
KS-03	1/3	0.25	40	1 1/2"	3	130	8	180	9	188	141	305
KS-04	1/2	0.4	50	2"	5	150	8	220	11	208	140	359
KS-05	1/2	0.4	50	2"	5	160	10	260	14	230	156	375
KS-08	1	0.75	50	2"	6	240	13	380	21	290	180	425
KS-20	2	1.5	80	3"	10	300	16	600	31	278	182	475
KS-30	3	2.2	80	3"	10	500	18	800	42	390	250	450
KS-50	5	3.7	100	4"	10	800	21	1100	48	450	240	530
KS-75	7 1/2	5.6	100	4"	15	800	23	1300	60	550	310	590
KS-100	10	7.5	150	6"	18	900	25	1600	70	550	310	610

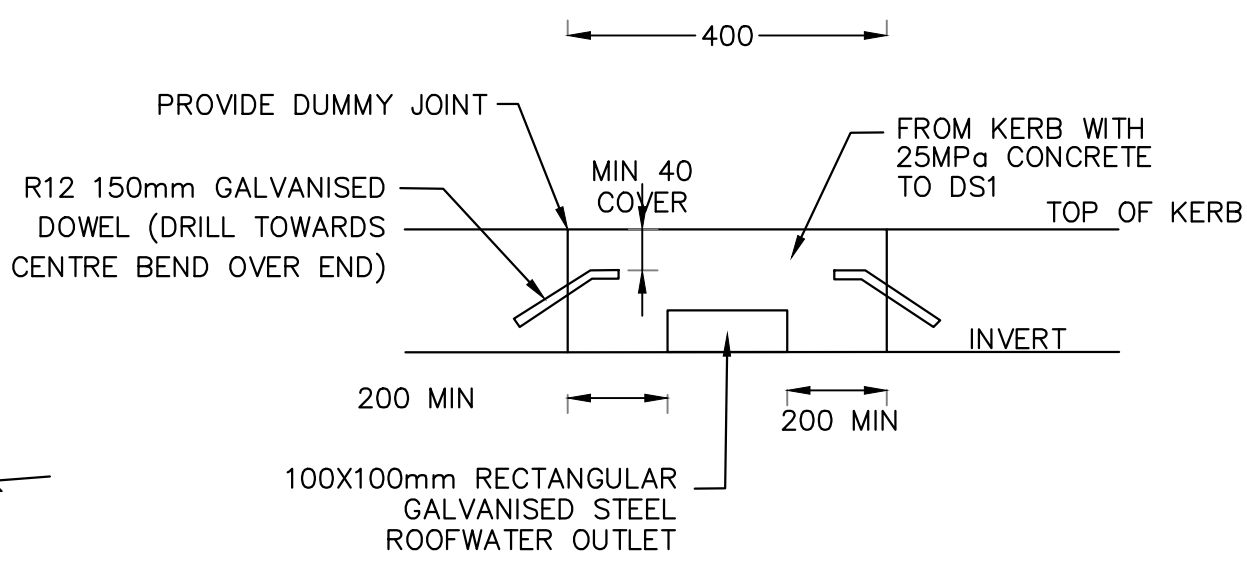
RECOMMENDED PUMP SPECIFICATIONS



DETAIL 11
TYPICAL ABOVE GROUND
RAINWATER TANK
NOT TO SCALE



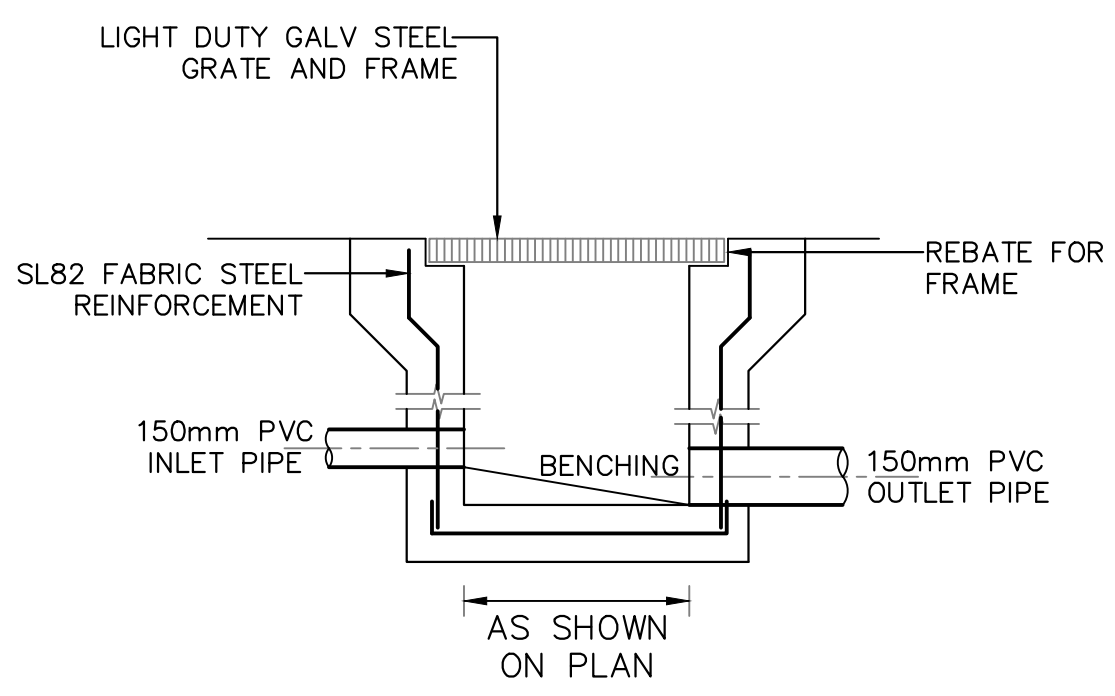
SECTION VIEW



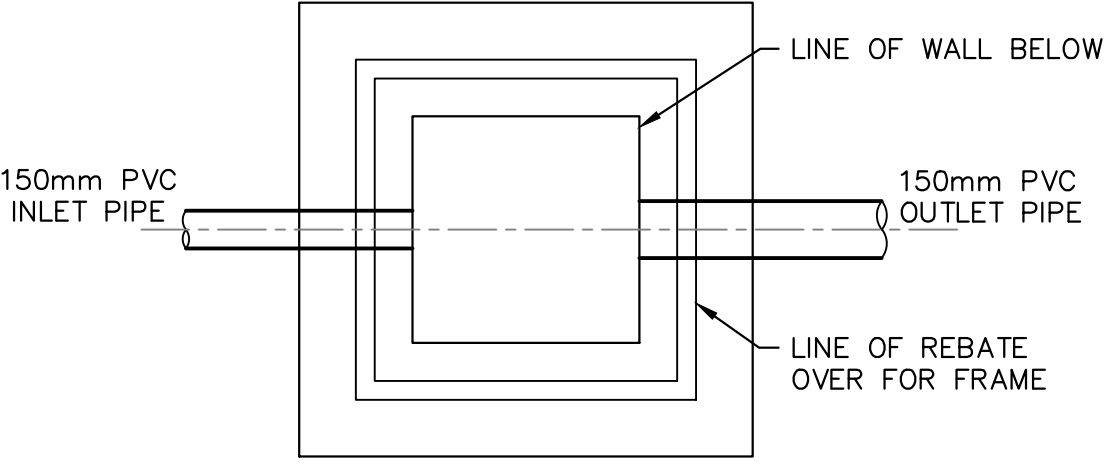
FRONT VIEW SECTION

- NOTES FOR KERB CONNECTION
1. ENSURE THAT ALL CONNECTIONS ARE WATER TIGHT.
 2. FOR TRAFFICABLE AREA SUCH AS DRIVERWAYS, USE RECTANGULAR GALVANISED STEEL OUTLET PIPE FOR FULL LENGTH, EG. BOUNDARY TO KERB.
 3. ALL DEMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SHOWN.

DETAIL 9
KERB OUTLET CONNECTION
NOT TO SCALE



SECTION



PLAN WITHOUT GRATE

DETAIL 3
STORMWATER PIT
SCALE 1:20

LEGEND:
BACKGROUND IS YELLOW
TEXT IS WHITE ON BLACK
BACKGROUND



DETAIL 9
RAINWATER SIGN
SCALE 1:10

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STORMWATER DETAILS