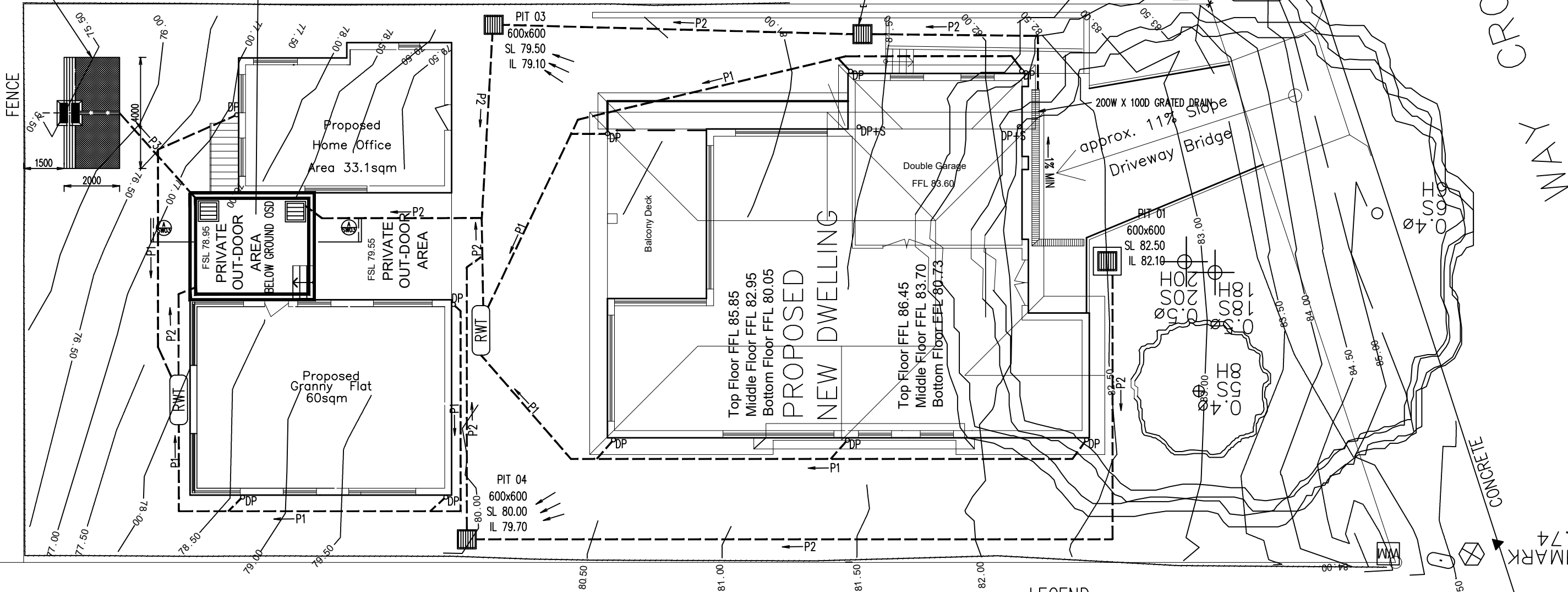


BELOW GROUND OSD BASIN	
PIT RL:	78.95
PIT IL:	76.55
AVG. BASIN DEPTH:	2.1m
TWL:	78.70
AREA OF BASIN:	14.08m ²
VOLUME PROVIDED:	29.57m ³
VOLUME REQUIRED:	28.85m ³
PSD:	15 L/s
ORIFICE Ø:	83 mm
ORIFICE CL:	77.50

OSD CULATION:	
SITE AREA :	928.00m ²
% of Pervious area:	53.24%
% of Impervious area: 100%-53.24% = 46.76% (<60%)	
So, From APPENDIX 6 - SSR and PSD Tables of Council's On-site Stormwater Detention Technical Specification,	
VOLUME REQUIRED:	28.85m ³

$d = 21.9 \times [PSD / h^{1/2}]^{1/2}$	
Q = PSD =	15 L/s
Q = PSD =	0.015 m3/s
g =	9.81 m/sec^2
h =	1.1 m
Orifice dia d =	82.82121 mm
say	83 mm

TRANSPIRATION BED
(SEE SW04 FOR DETAIL)



NOTES

- ALL DOWN PIPES AND PIPE JOINTING SHALL BE FULLY SEALED AND SOLVENT WOKLED.
- GUTTER / LEAF GUARDS ARE TO BE INSTALLED IN ALL GUTTERS.
- CLEANING INSPECTION EYES SHALL BE INSTALLED AT THE LOWEST POINT IN ALL CHARGED LINES IF REQUIRED
- FROM DOWNPIPE TO RWT, CHARGED SYSTEM APPLIES

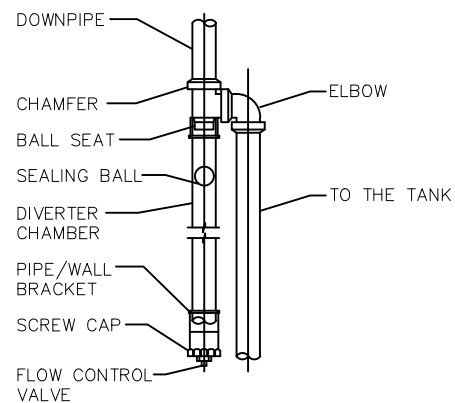
GENERAL NOTES

- ALL WORK SHALL BE IN ACCORDANCE WITH THE BUILDING CODE OF AUSTRALIA AND AS3500.3, COUNCILS STANDARD SPECIFICATIONS CODES.
- THIS PLAN IS TO BE READ IN CONJUNCTION WITH THE ARCHITECTURAL, LANDSCAPE AND STRUCTURAL PLANS.
- MINIMUM GRADES FOR ALL PIPE SHOULD BE 1%.
- 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.
- FOR SECTION A & B, REFER TO SW03

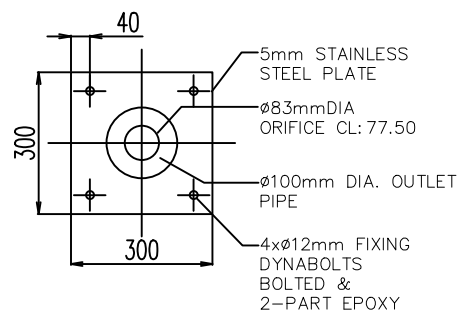
LEGEND:

	DENOTES 1200 L SLIMLINE RAINWATER TANK
	PIT
	'DP' DOWN PIPE
	'DP+S' Denotes DOWN PIPE With Spreader
	'P1' 100 DIA UPVC CHARGED LINE
	'P2' 100 DIA UPVC @1% MIN
	'P3' 100 DIA UPVC @1% MIN

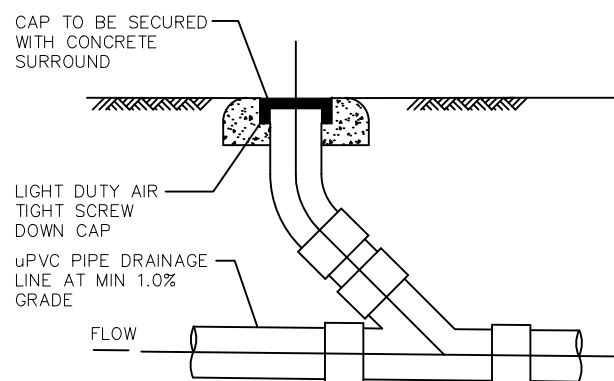
Designed by:	E.C.	ERTAZ H, CHOWDHURY MIEAust, CPEng. NPER, Reg. No. 2214897 	Australiawide Consulting Services P/L Civil & Structural Engineering and Project Management 8/96 Rossmore avenue, Punchbowl, NSW 2196 Mobile: 0420710548 Email: ertaz1@hotmail.com 	Architect: SABTON & SON	Client: MR. CHRIS	Project North: 	Project: PROPOSED DEVELOPMENT AT 4 SOUTHERN CROSS WAY ALLAMBIE HEIGHTS NSW 2100	Job:	Date:
Drawn by:	A.K.							STORMWATER DRAINAGE PLAN	21-05-2021
Revision:	00							Title: STORM WATER DRAINAGE PLAN	Scale @A3: 1:150 Drg No. SW02-A



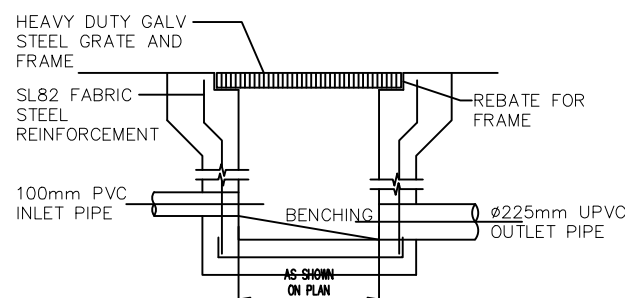
1
-
DETAIL
FIRST FLUSH DIVERTER
SCALE 1:20



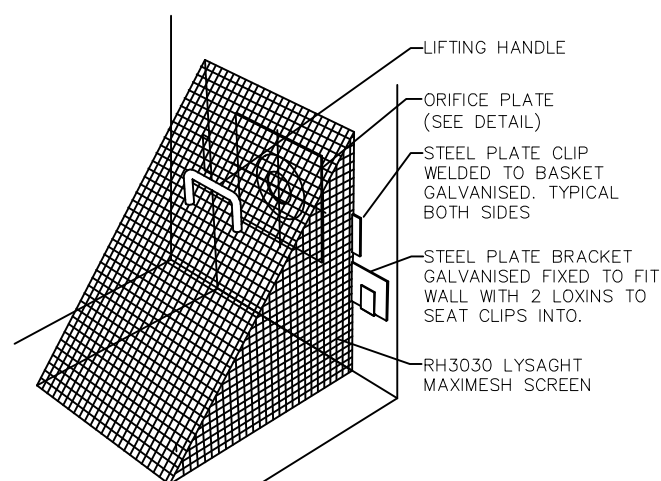
2
-
DETAIL
ORIFICE PLATE
SCALE 1:20



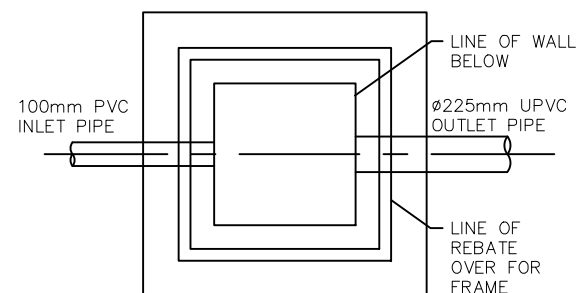
3
-
DETAIL
CLEANING EYE
SCALE 1:20



TYPICAL PIT SECTION

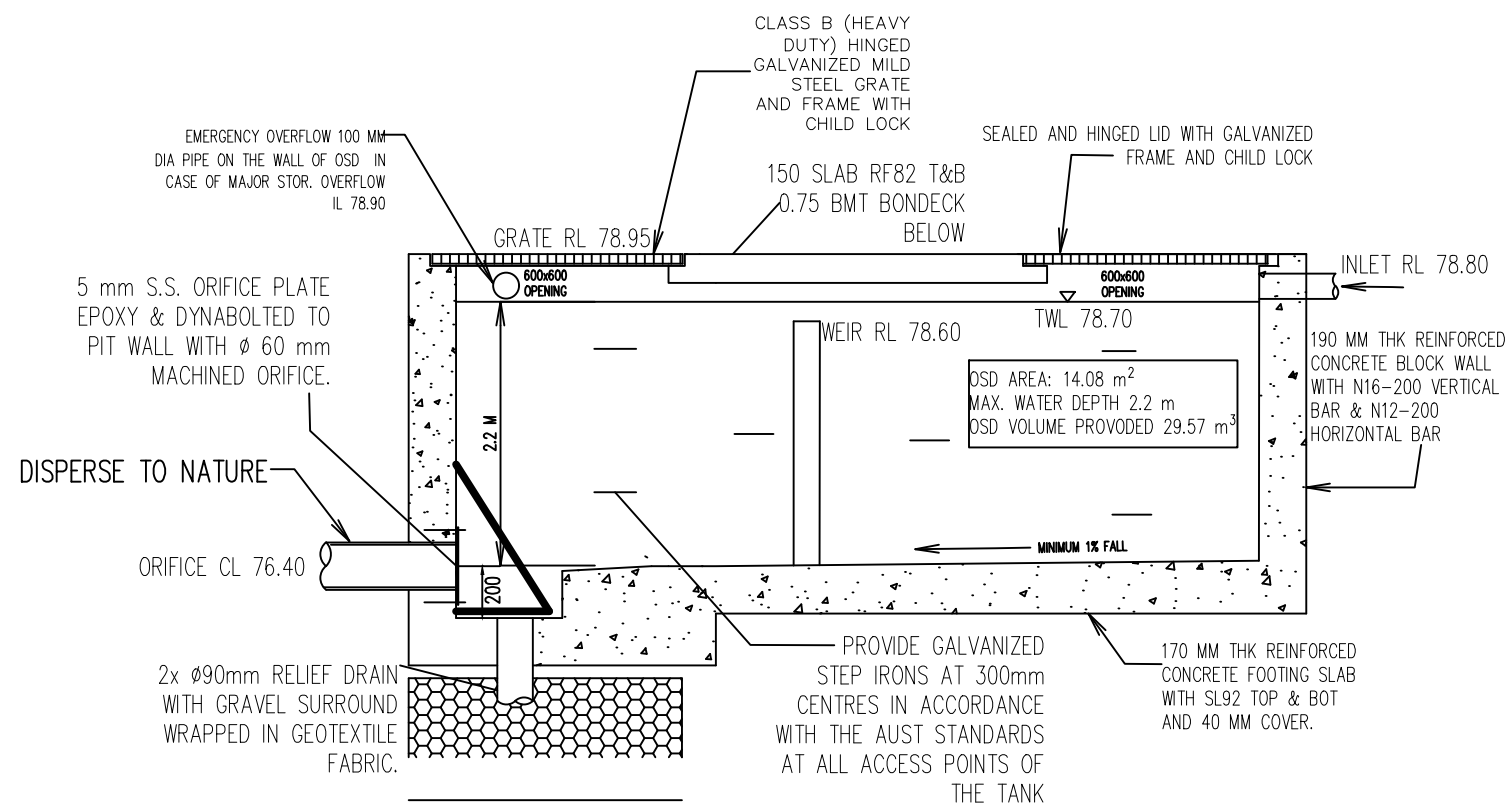


4
-
DETAIL
DEBRIS SCREEN
NOT TO SCALE



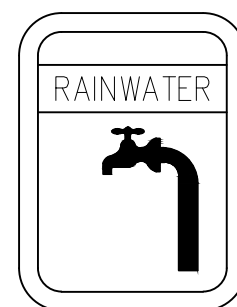
PLAN WITHOUT GRATE

5
-
DETAIL
STORMWATER PIT
AT EASMENT
SCALE 1:20



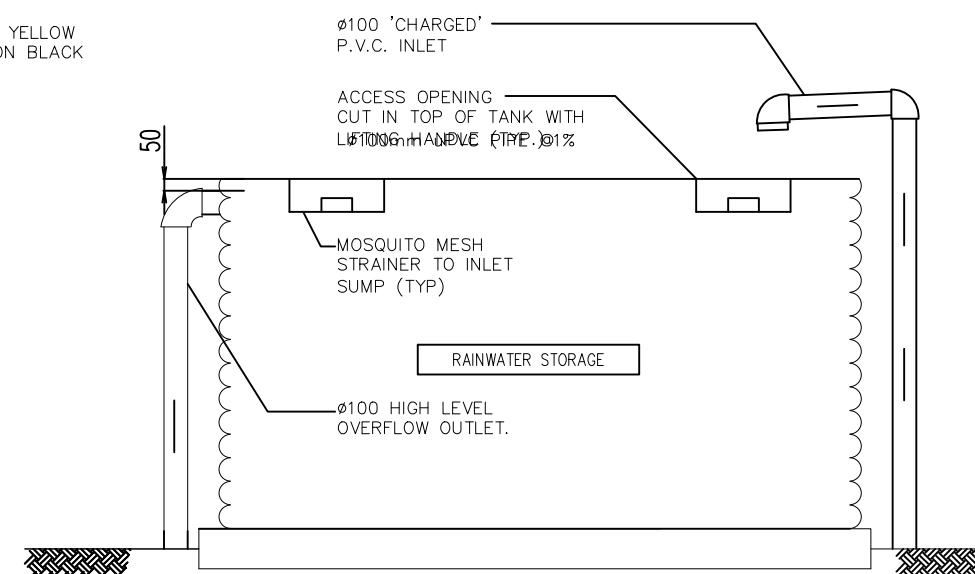
SECTION OF ONSITE DETENTION TANK

SECTION A
DCP/HED
NOT TO SCALE
SW02



LEGEND:
BACKGROUND IS YELLOW
TEXT IS WHITE ON BLACK
BACKGROUND

6
-
DETAIL
RAINWATER SIGN
SCALE 1:20



TYPICAL SECTION OF RAINWATER TANK

Designed by:	E.C.	ERTAZ H, CHOWDHURY MIEAust, CPEng. NPER, Reg. No. 2214897 	Australiawide Consulting Services P/L Civil & Structural Engineering and Project Management 8/96 Rossmore avenue, Punchbowl, NSW 2196 Mobile: 0420710548 Email: ertaz1@hotmail.com 	Architect: SABTON & SON	Client: MR. CHRIS	Project North: 	Project: PROPOSED DEVELOPMENT AT 4 SOUTHERN CROSS WAY ALLAMBIE HEIGHTS NSW 2100	Job:	Date:
Drawn by:	A.K.							STORMWATER DRAINAGE PLAN	21-05-2021
Revision:	00							Title: DETAIL SHEET-02	Scale @A3: NTS Drg No. SW03

