

PROPOSED SINGLE RESDINETIAL DWELLING AT 28 SOUTH STREET, STRATHFIELD NSW

DETAILED STORMWATER DESIGN.

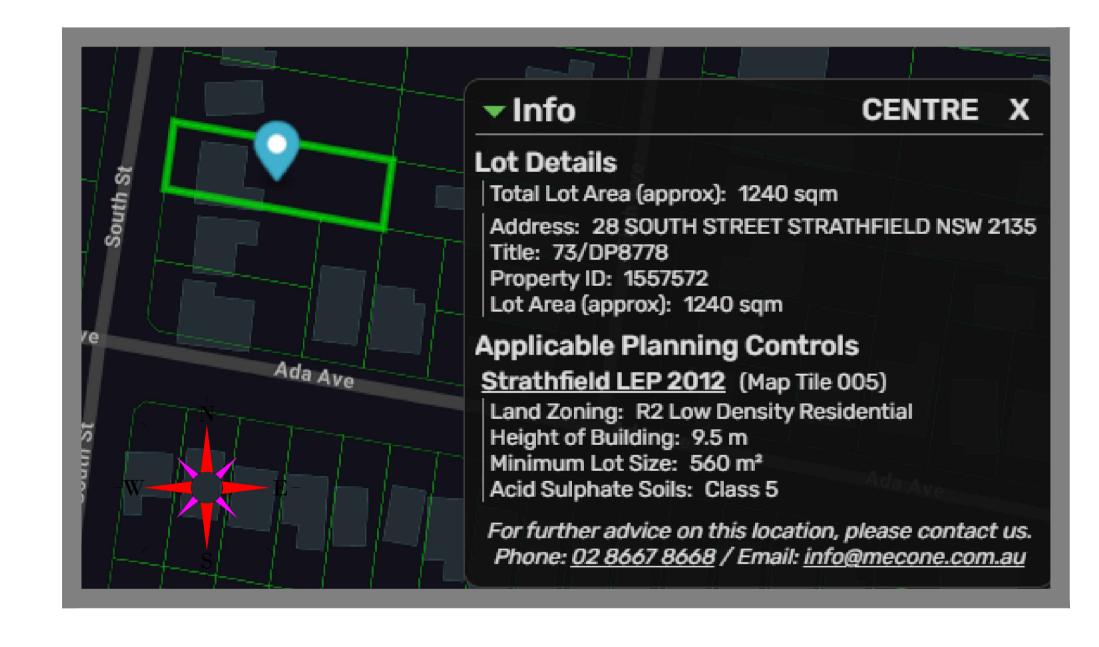
TABLE OF SCHEDULES

SHEET #	DRAWING NAME	REV	DATE
100	COVER PAGE	01	15.12.21
101	GENERAL NOTES	01	15.12.21
200	STORMWATER PLAN – PUMP DESIGN	01	15.12.21
201	STORMWATER PLAN – ROOF DESIGN	01	15.12.21
202	STORMWATER DESIGN - ROOF PLAN	01	15.12.21
300	DETAILED SECTIONS	01	15.12.21
301	DETAILED SECTIONS	01	15.12.21

SPECIFICATIONS

THESE PLANS SHALL BE READ IN CONJUNCTION WITH ARCHITECTURAL DESIGN PLANS AND STRUCTURAL DESIGN PLANS

PREPARED BY



SITE LOCALITY

ARCHITECT

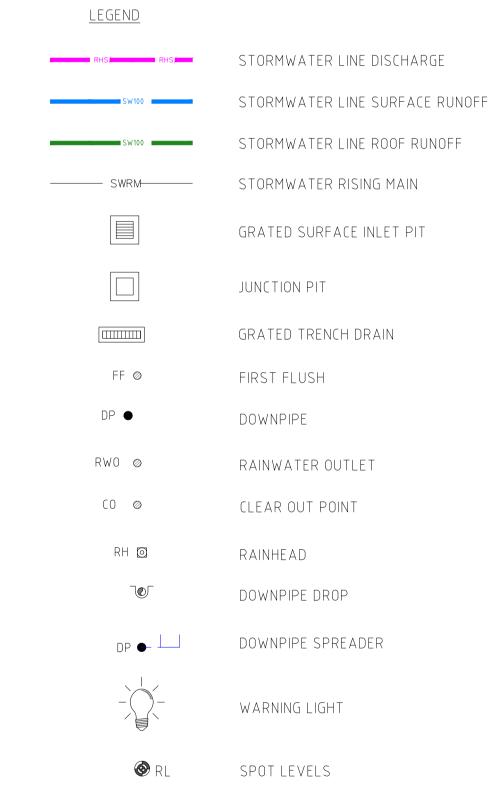


1300 854 243 +61 2 9188 8486 admin@chd.net.au chddesign@com.au 51 princes hwy, SYLVANIA nsw 2224

"TOGETHER, WE ARE IMPLEMENTING GOOD IDEAS TO IMPROVE PEOPLE'S LIVES"

CIVIL STORMWATER

ENGINEERING GROUP

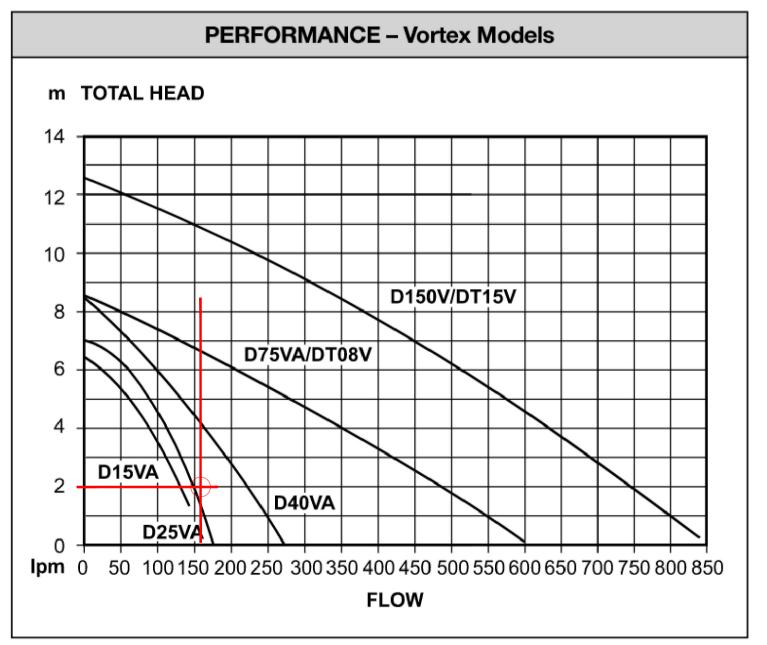


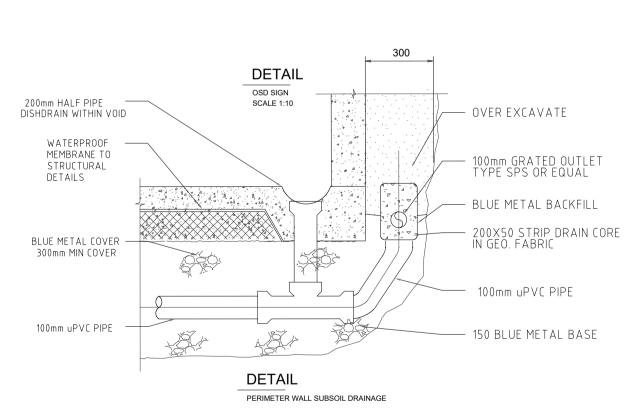
CLIENT

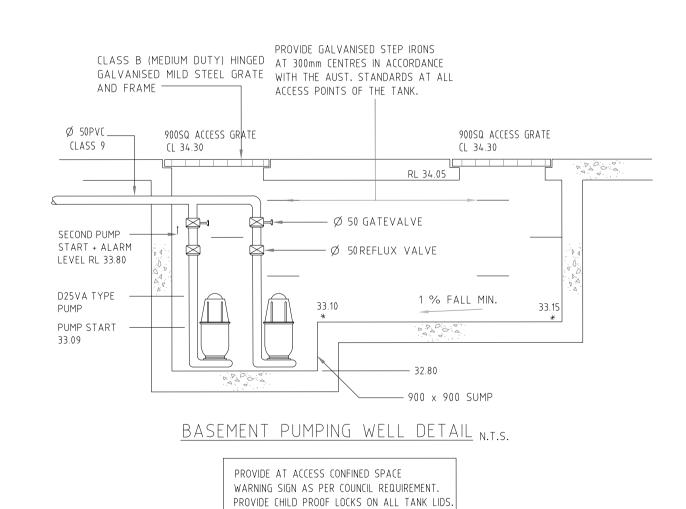
MR MEZIN MEHEJAR

DASHED LINE DENOTES LOCATION OF BELOW GROUND OSD —— STRATHFIELD COUNCIL RECEIVED DA2022.06 100mm SUB-SOIL DRAINAGE TO BE INSTALLED AROUND — ENTIRE BASEMENT PERIMETER TO COLLECT SEEPAGE ONLY SUB-SOIL TO DISCHARGE INTO PROPOSED PUMP OUT PIT DATE 24 January 2022 DUAL 50mm STORMWATER RAISING MAINS TO BE RW0 RWO CONNECTED TO PROPOSED BELOW GROUND OSD TANK RAINWATER OUTLETS TO BE INSTALLED IN ALL ENCLOSED — ROOMS. CONNECT RWO TO PUMP PUT PIT PLANTER DRAINS TO BE INSTALLED IN ALL PLANTER BOXES (TYP) RWO PUMP OUT PIT TO BE EQUIPPED WITH PUMP FAILURE — WARNING LIGHT. SYSTEM TO BE INSTALLED BY QUALIFIED ELECTRICIAN 8.1m3 PUMP OUT PIT TO BE INSTALLED TO COLLECT WATER_ SEEPAGE. PIT TO DISCHARGE INTO OSD TANK. FFL 34.33 PUMP TO BE EQUIPPED WITH DUAL PUMPS D25VA TYPE PUMPS OR EQUIVALENT RWO LENGTH = 3.0m WIDTH = 3.0 mDEPTH = 0.9m200x100 COMMERCIAL GRADE GRATED TRENCH DRAIN TO — COLLECT DRIVEWAY WATER RUNOFF ONLY. CONNECT GTD TO PUMP OUT PIT 100mm WIDE DISH DRAIN TO BE FORMED ON CONCRETE SLAB — AS PER PLANS

STORMWATER DESIGN - BASEMENT PLAN SCALE 1:100



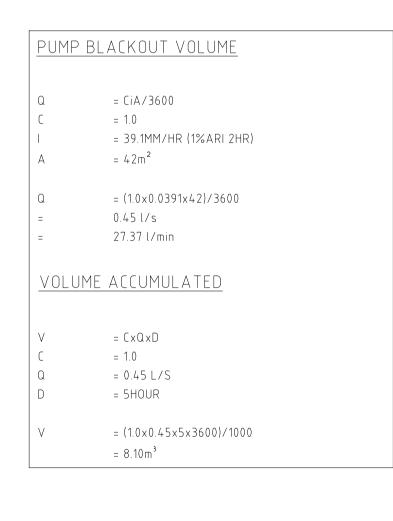


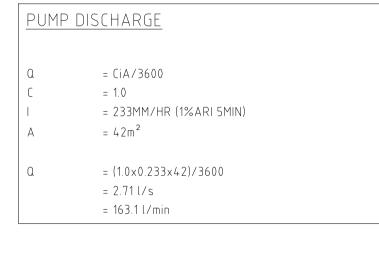


INSTALL TANK TO STRUCTURAL ENGINEERING

DETAILS.

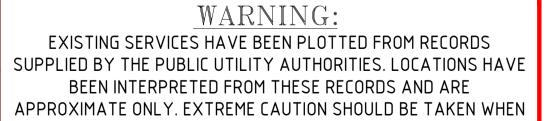
MR MEZIN MEHEJAR





CONTROL VOLUME TO PREVENT PUMP FROM STARTING TOO OFTEN (<10/HR) $CV = 900 \times Q p/n$ $CV = (900 \times 2.71) \times (\frac{10}{1000})$ $= 0.24 \text{ m}^{3}$

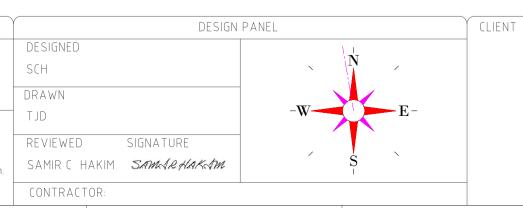
PUMP CHART





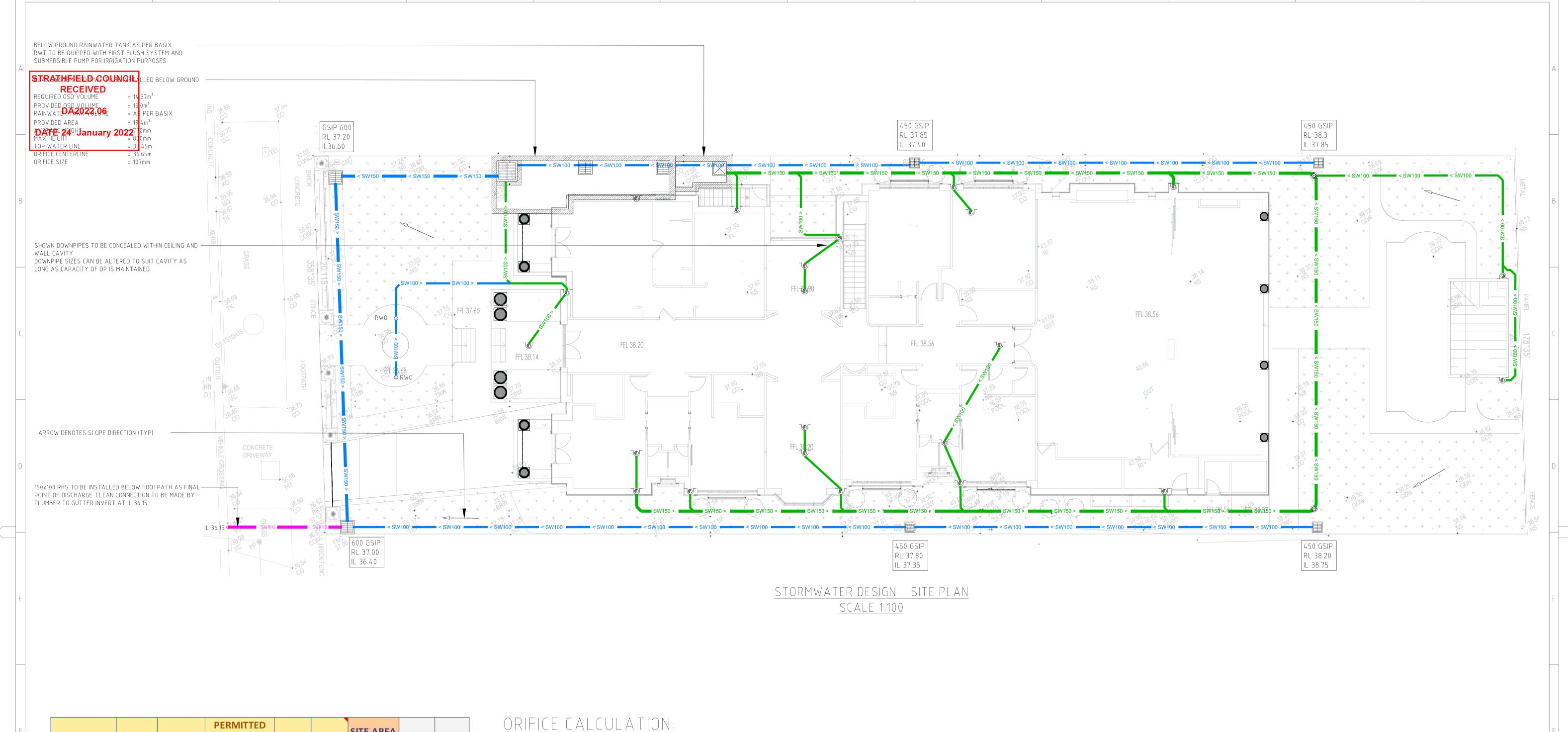
SCALE BAR 1:100

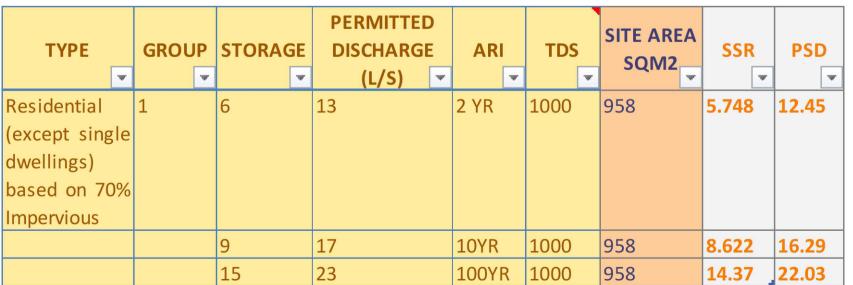
ı			EXCAVATING		. 6.12 . 66 2.6	
			REVISION PANEL			
REV	DATE	DRN	DETAILS	APR'I	SAMIR C HAKIM	DESIGNED
					B.E.,M.E.(civil/consrtuction), ADV. DIPLOMA (civil design), M.I.E. Aust,	SCH
					Peng MIE Aust # 3491570	DRAWN
					This drawing is the property of the	TJD
					CSEG PTY LTD	REVIEWED
01	15.12.21	TJD	FOR APPROVAL	SCH	and shall not be copied or modified in part or in whole without authorization.	SAMIR C HA
CL	JRRENT REVIS	SION CON	TRACTOR:	ALL RIGHTS RESERVED	CONTRACTO	





	A1	SCALE: 1:100 (A3 1:200)	01					
	SHT SIZE	PROJECT No: (SW2021.79	REVISION					
	APPLIC	APPLICATION DEVELOPMENT APPLICATION (DA)						
ASEMENT PLAN	SUPER:	SEDES:						
	DRAWI	NG NUMBER						
		200	03					
			СПЕЕТ					





WARNING:

EXISTING SERVICES HAVE BEEN PLOTTED FROM RECORDS
SUPPLIED BY THE PUBLIC UTILITY AUTHORITIES. LOCATIONS HAVE
BEEN INTERPRETED FROM THESE RECORDS AND ARE
APPROXIMATE ONLY. EXTREME CAUTION SHOULD BE TAKEN WHEN



SCALE BAR 1:100

FORMULA: $d = [0.464 \times Q/h^{0.5}]^{0.5}$ WITH;

Q = PSD = 22.03L/s

h = 0.8m

d = 107mm

!ATTENTION!

REFER TO PG 202 FOR ROOF PLAN DETAILS

!ATTENTION!

FOR DETAILED SECTIONS
REFER TO PG 300

!ATTENTION!

PLANS TO BE READ ON CONJUNCTION WITH ARCHITECTURAL PLANS

!ATTENTION!

IT'S THE BUILDERS
RESPONSIBILITY TO LOCATE
ALL SERVICES BEFORE
EXCAVATION

!ATTENTION!

PLANS ARE COLOR CODED.

PRINT IN COLOR

DESIGN NOTES:

THE SITE IS GOVERNED BY STRATHFIELD COUNCIL DEVELOPMENT CONTROL PLAN

SITE AREA PER LOT = 1284.3m² BY CALCULATION

TYPE OF DEVELOPMENT = SINGLE RESIDENTIAL DEVELOPMENT

IN ACCORDANCE WITH COUNCIL STORMWATER MANAGEMENT CODE, OSD IS REQUIRED FOR SINGLE RESIDENTIAL HOUSES WITH IMPERVIOUS AREA EXCEEDING 65% OF TOTAL SITE AREA

TOTAL SITE IMPERVIOUS AREA = 958.10m2 (74.6%)

Δ OSD REQUIRED Δ

ALL DOWNPIPES AND GUTTERING HAVE BEEN DESIGNED TO ACCOMMODATE FOR THE 1 IN 100 YEAR EVENT

LOCATION OF ALL STORMWATER PIPES, PITS & TRENCHES TO BE CO-ORDINATED WITH EXISTING TREES TO BE RETAINED (TYP).

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

EXCAVATING REVISION PANEL DETAILS REV DATE DRN APR'D SAMIR CHAKIM B.E., M.E. (civil/construction), ADV. IPLOMA (civil design), M.I.E. Aust, Peng MIE Aust # 3491570 This drawing is the property of the CSEG PTY LTD and shall not be copied or modified FOR APPROVAL 01 | 15.12.21 | TJD SCH | in part or in whole without authorization. CURRENT REVISION CONTRACTOR:

DESIGN PANEL

DESIGNED

SCH

DRAWN

TJD

REVIEWED SIGNATURE

SAMIR C HAKIM SAMAR HAKAM

CONTRACTOR:

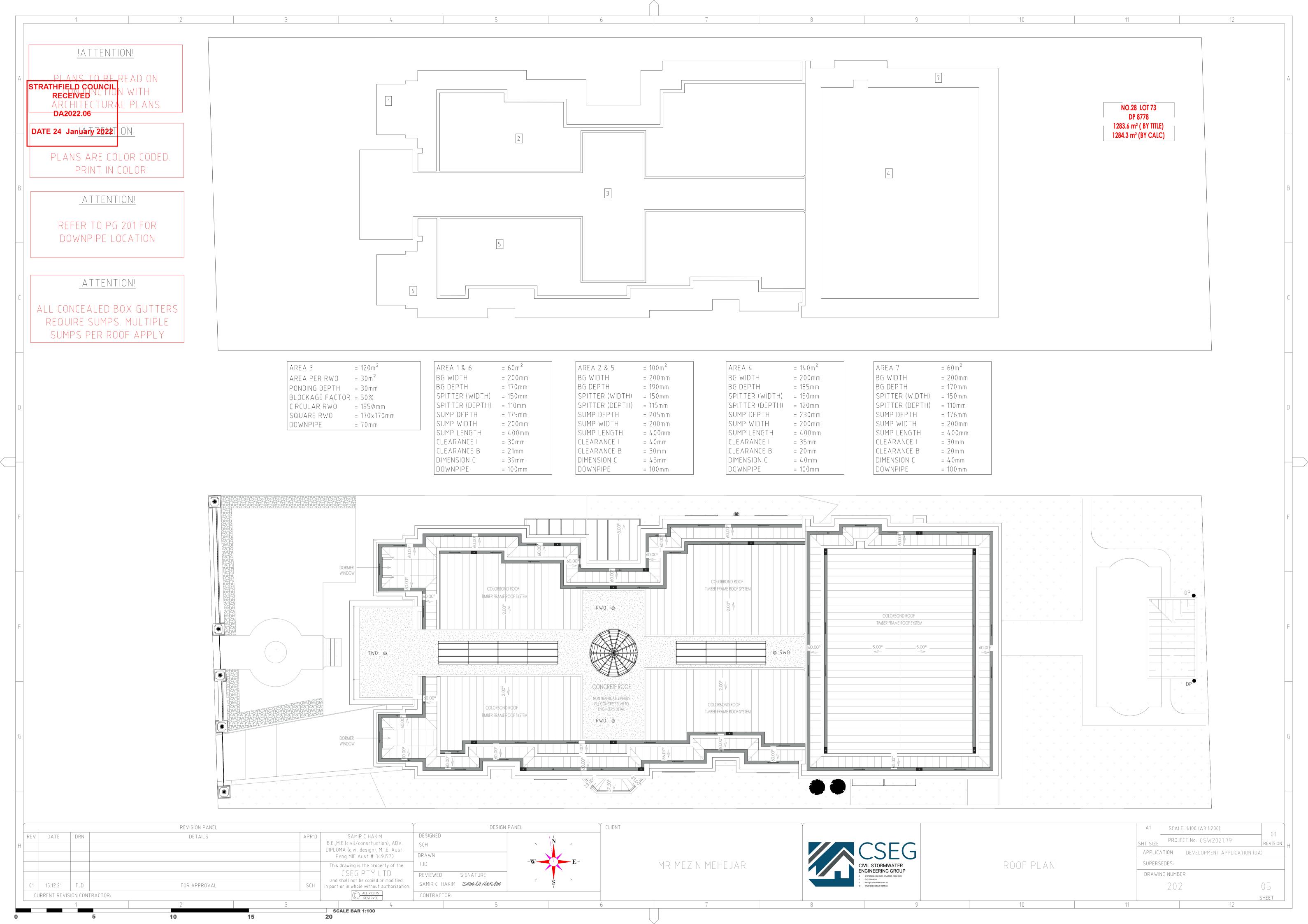
MR MEZIN MEHEJAR

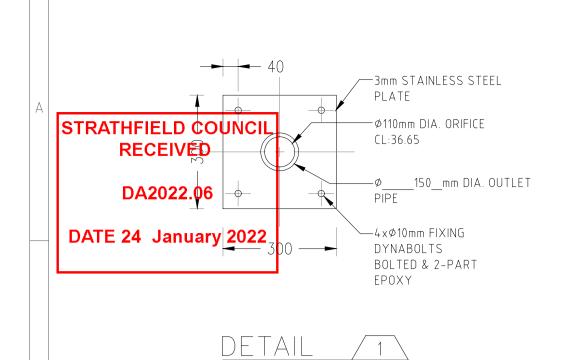


SITE PLAN

DOWNPIPE LOCATIONS ARE INDICATIVE AND TO BE CONFIRMED DURING CONSTRUCTION.

A1	SCAL	0.1						
SHT SIZE	PROJ	REVISION						
APPLIC.	ATION	DEVELOPMENT APPLICATION (DA	()					
SUPERSEDES:								
DRAWING NUMBER								
	20	1	04					
			SHEET					
		12						





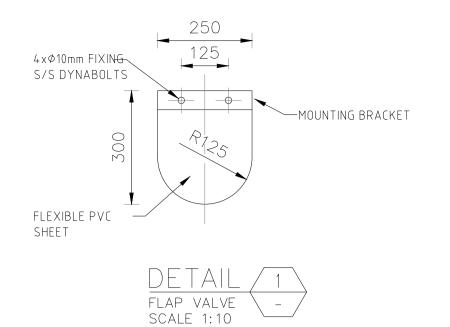
ORIFICE PLATE

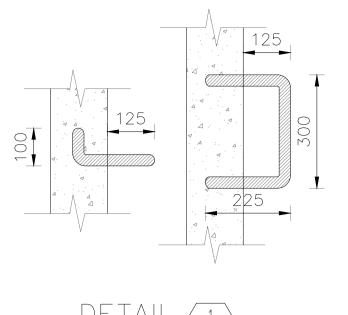
SCALE 1:20



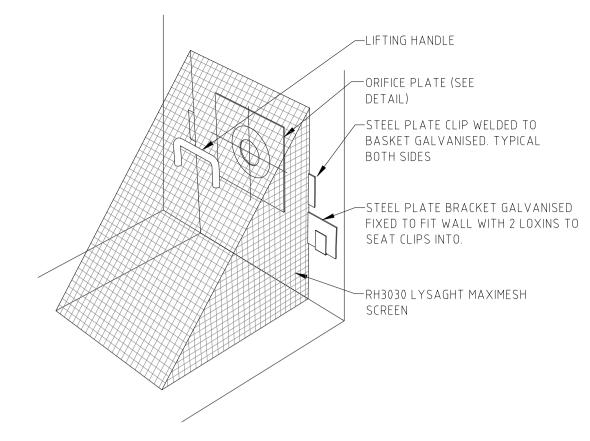
RAINWATER SIGN

SCALE 1:10



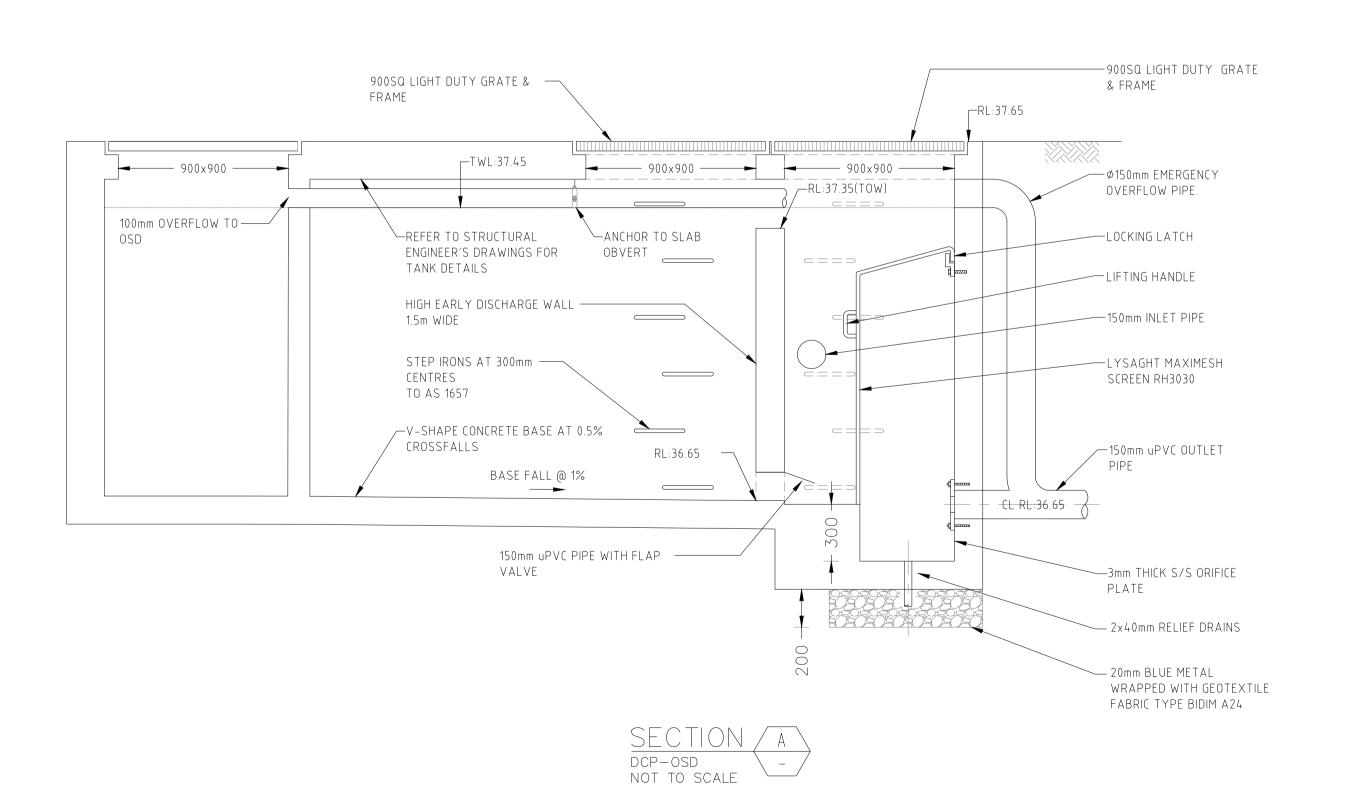








ТҮРЕ	GROUP		STORAGE		PERMITTED DISCHARGE		ARI		TDS		SITE AREA		SSR		PSD	
▼		¥		₩	(L/S)	¥		₩		¥	SQIVIZ	¥		₩		₩
Residential (except single dwellings) based on 70% Impervious			6		13		2 YR		1000		958		5.748		12.45	5
			9		17		10YR		1000		958		8.622	ž	16.29)
			15		23		100YF	3	1000		958		14.37		22.03	3





CONFINED SPACE DANGER SIGN

NOTES:

- 1. A CONFINED SPACE DANGER SIGN SHALL BE PLACED NEXT TO EACH AND EVERY ACCESS POINT SO THAT THEY ARE VISIBLE TO PERSONS ENTERING ANY BELOW GROUND TANK OR PIT.
- 2. COLOURS:

MR MEZIN MEHEJAR

"DANGER" AND BACKGROUND WHITE RED ELLIPTICAL AREA RECTANGLE CONTAINING ELLIPSE -BLACK LETTERING AND BORDER BLACK

3. MINIMUM DIMENSIONS OF THE SIGN:

LARGE ENTRIES: 300mm x 450mm SMALL ENTRIES: 250mm x 180mm

- 4. SIGN TO BE MADE FROM COLOUR BONDED ALUMINIUM OR POLYPROPYLENE.
- SIGN FIXED USING HILTI CHEMSETS OR EXPOXY

THIS IS AN **ON-SITE STORMWATER**

DETENTION SYSTEM

REQUIRED BY BLACKTOWN CITY COUNCIL

FLOOD RISK ON LOWER LAND MAY INCREASE IF THE VOLUME OF THE TANK OR POND IS REDUCED, OR IF THE OUTLET PLATE IS INTERFERED WITH.

THE BASE OF THE OUTLET CONTROL PIT AND THE DEBRIS SCREEN MUST BE CLEANED OF DEBRIS AND SEDIMENT ON A REGULAR BASIS BY THE OWNER

THIS PLATE MUST NOT BE REMOVED

ON SITE STORMWATER DETENTION SYSTEM SIGN

NOTES

- CORNERS SQUARE
- COLOURS:

ETCHED AND FILLED BLACK LEDGEND ON A NATURAL SILVER BACKGROUND.

- CONSTRUCTED FROM ALUMINIUM 0.9mm MILL.
- THIS SIGN SHALL BE PLACED IN A VISIBLE LOCATION NEAR A DISCHARGE CONTROL PIT OR AT THE ACCESS TO ONE.
- SIGN FIXED USING HILTI CHEMSETS OR EXPOXY

CLIENT REVISION PANEL DESIGN PANEL DESIGNED REV DATE DRN DETAILS APR'D SAMIR CHAKIM B.E., M.E. (civil/construction), ADV. SCH DIPLOMA (civil design), M.I.E. Aust, Peng MIE Aust # 3491570 DRAWN This drawing is the property of the CSEG PTY LTD REVIEWED SIGNATURE and shall not be copied or modified SAMIR (HAKIM SAMARHAKAM 01 | 15.12.21 | TJD FOR APPROVAL SCH in part or in whole without authorization. CURRENT REVISION CONTRACTOR: CONTRACTOR: SCALE BAR 1:100

ENGINEERING GROUP



DETAILED SECTIONS

SCALE: 1:100 (A3 1:200) PROJECT No: (SW2021.79 APPLICATION DEVELOPMENT APPLICATION (DA) SUPERSEDES: DRAWING NUMBER 300 06 SHEET

