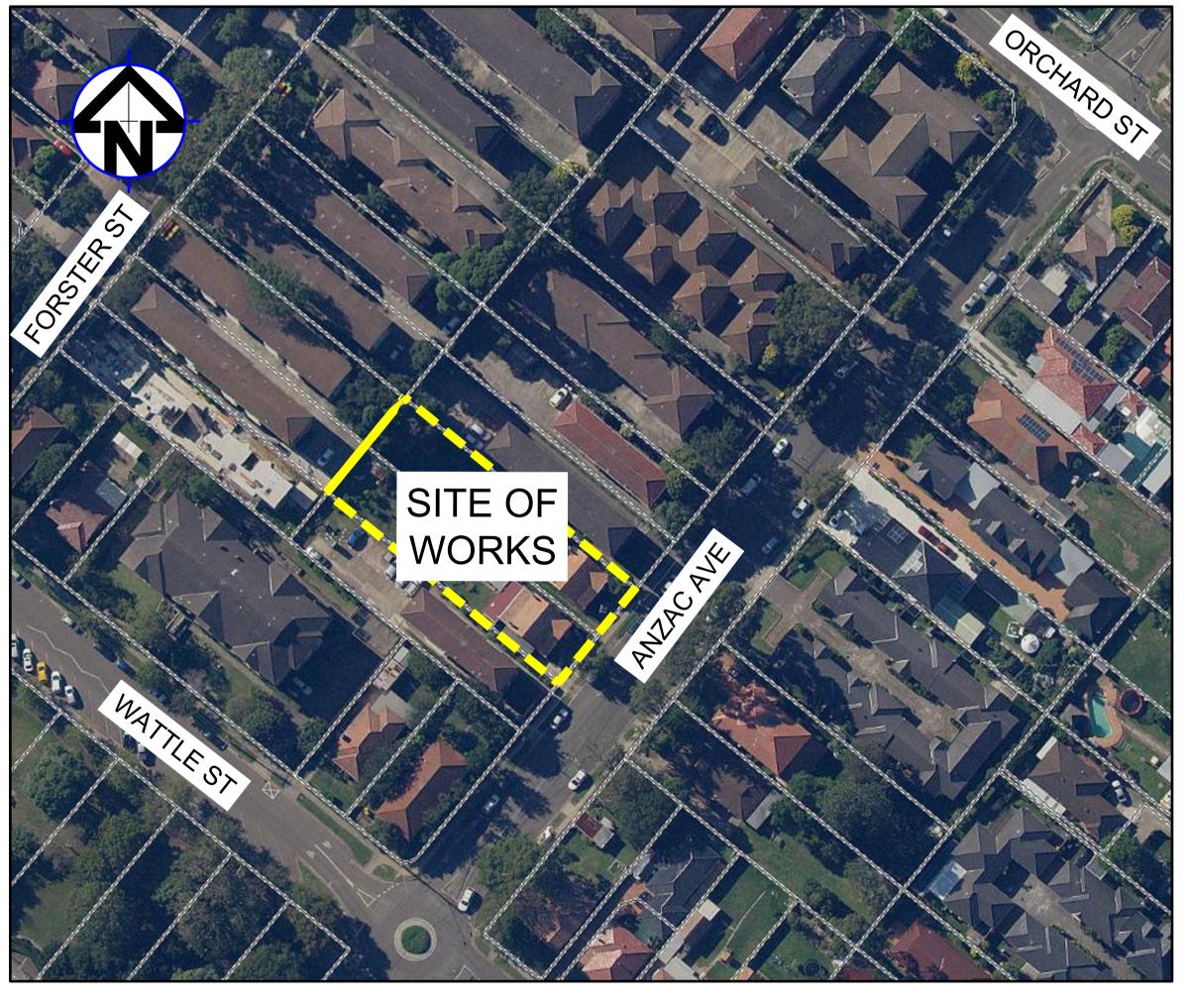
# PROPOSED BOARDING HOUSE 85-87 ANZAC AVENUE, WEST RYDE **STORMWATER CONCEPT DESIGN**





# PREPARED BY:

SGC Consulting Engineers Suite 5.03, Level 5 156 Pacific Highway St. Leonards, NSW 2065 T: +61 2 8883 4239 Email: office@sgce.com.au Web: www.sgce.com.au

LOCALITY PLAN NOT TO SCALE COPYRIGHT OF SIXMAP, VERSION

# **ARCHITECT**:



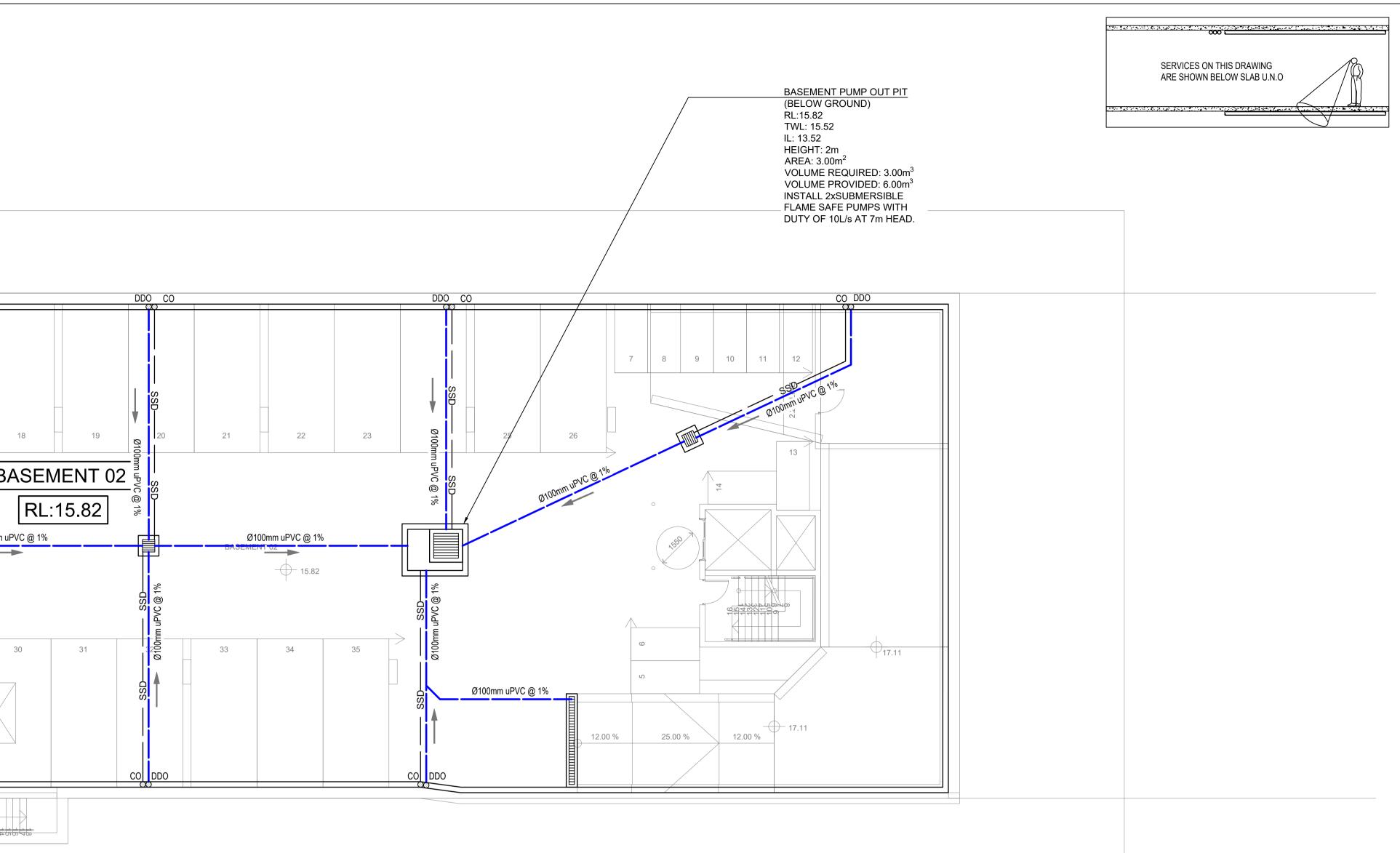
	DRAWINGS LIST							
SHEET No.	DWG No.	TITLE	REV					
1	SW100	COVER SHEET	А					
2	SW200	STORMWATER CONCEPT DESIGN - BASEMENT PLAN	А					
3	SW201	STORMWATER CONCEPT DESIGN - GROUND FLOOR PLAN	А					
4	SW202	STORMWATER CONCEPT DESIGN - ROOF PLAN	А					
5	SW300	STORMWATER CONCEPT DESIGN - DETAILS SHEET	А					

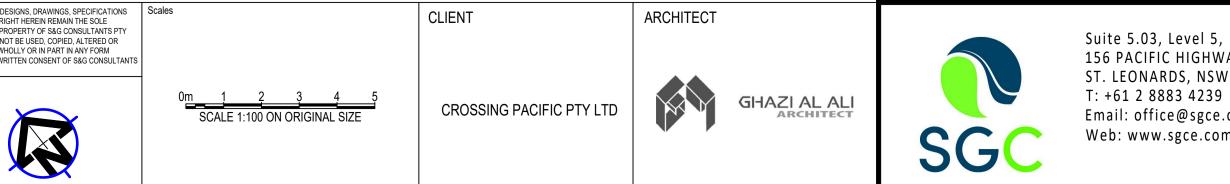
# CLIENT:

## **CROSSING PACIFIC PTY LTD**

						13	14 SSD Ø100mr	15 15 15 15 15 15 15 15 15 15	17 BA Ø100mm uP\
-						27	28	CO SSD M100mm uPVC @ 1%	
NOTE: NOMINTED PUMP TO BE ZE EQUIVALANT TO BE INSTAL MANUFACTURERS SPECIFIC ALL SUBSOIL DRAINAGE (SE DISH DRAIN OUTLETS (DDC	LED AS PER CATIONS. SD) TO BE 11 D) TO BE Ø10	00AG ANI 0mm U.N	) ALL	PUMP NOT All STORMWATER P ZONE 2 FLAME SAFE CONSULTANT'S REQ SURFACES ARE TO E INLET PIT (GSIP) AND 1% MIN. FOR UNCOV	UMPS TO BE TO ELECTRIC UIREMENTS. GRADI	NG NO			
PUMP-OUT PI INSTALL WITH THE FOLLOW - 900SQ HEAVY DUTY STEE AND MAINTENANCE PURPO -CONFINED SPACE SIGN AN PUBLIC AWARENESS AND W -STEP IRONS. REFER TO DI -PUMPOUT PIT CONTROL B MANUFACTURERS SPECIFI CONFIRMED WITH ARCHITE -PUMPS TO OPERATE IN AL INCREASE LIFESPAN -INSTALL VISIBLE FLASHING PUMP FAILURE -INSTALL DRN 300/2/65 A1D SOLUTIONS OR SIMILAR 3 F OUTFLOW FOR 7m HEAD	VING ITEMS: EL GRATED L DSES. BOVE PUMP WARNING. ETAILS. BOX (CTRL) T ICATIONS. LO ECT. LTERNATE M G LIGHT SYS	ID FOR A OUT PIT I OCATION: ODE TO	FOR S TO BE CASE OF TER	FOR COVERED AREA FOR COVERED AREA BASEMENT DRAINAG GEOTECHNICAL INVE DESIGN OF WALLS A IF EXCESSIVE GROU TABLE IS ENCOUNTE STORMWATER ENGIN REASSESS BASEMEN	AS PER AS28 INICAL E DESIGN SU ESTIGATION A ND SLABS. NDWATER SE RED DURING NEER IS TO B	ND AT 0.5% M 390. BJECT TO ND STRUCTU EPAGE OR W BULK EXCAV E NOTIFIED T	/IN. JRAL /ATER /ATION; O		

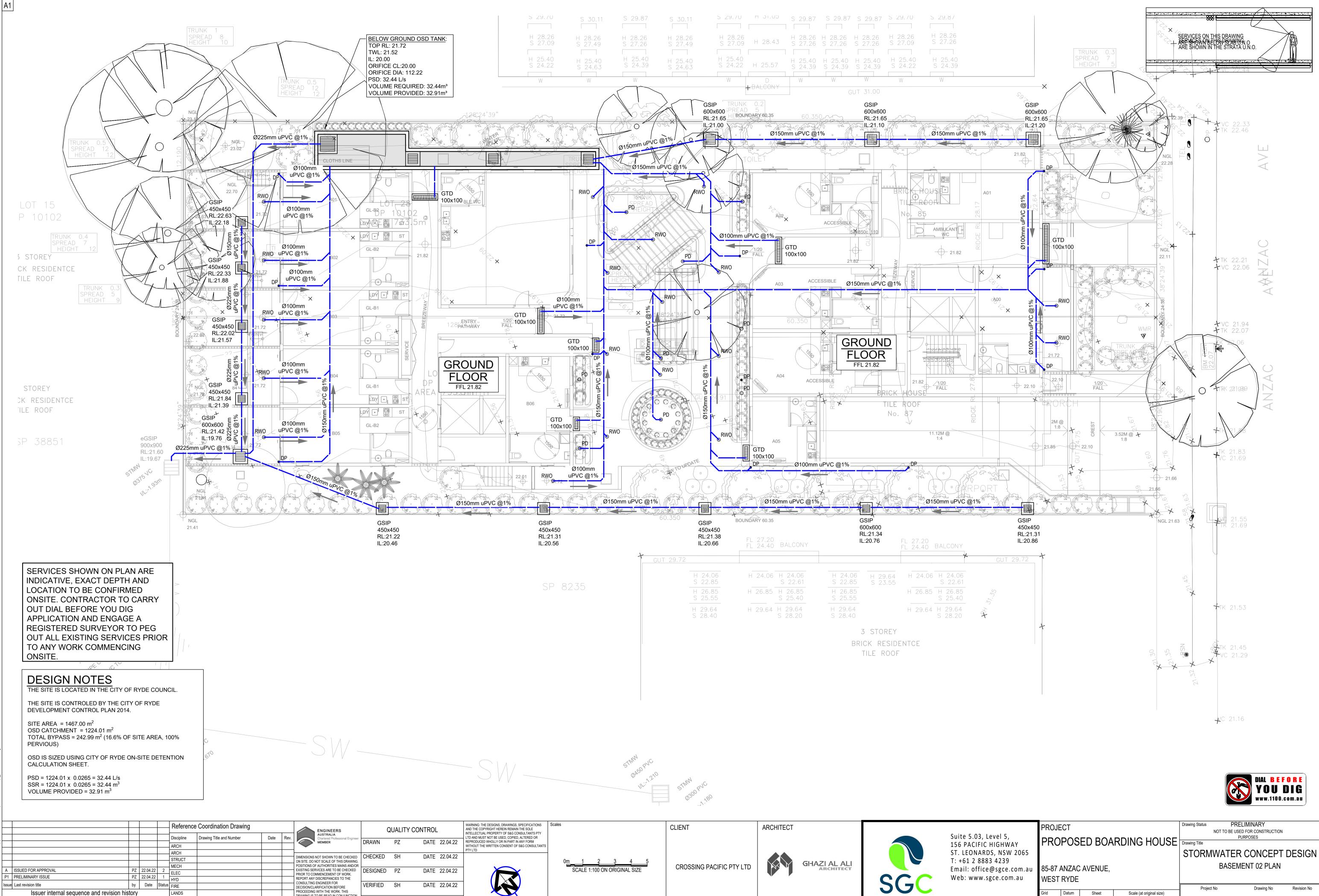
sCAD\bp\_5SW2 SGC\AppData\Local A ISSUED FOR APPROVAL P1 PRELIMINARY ISSUE Issue Last revision title Issue 1-preliminary 4-tender A ISSUED FOR APPROVAL





					-			
	PROJE	СТ			Drawing Status		LIMINARY	
,		DUC		RDING HOUSE			JRPOSES	
NAY	FINO	F 00			Drawing Title			
W 2065					STORM	VATER	CONCEPT	DESIGN
e.com.au	85-87	ANZAC	AVENUE,			BASEM	ENT 02 PLAN	
om.au	WEST	RYDE						
					Project N	0	Drawing No	Revision No
	Grid	Datum	Sheet	Scale (at original size)			ũ	_
1 118 222 530	-	A.H.D.	2 OF 5	1:100 @ A1	20220	028	SW200	A





XREF's: CAD FIL

1-preliminary

4-tender

2-development application

5-construction

DRAWING IS TO BE READ IN CONJUNCTIO

WITH THE SPECIFICATIONS AND OTHER

CONSULTANTS' DRAWINGS.

APPROVED SH

DATE 22.04.22

CIVIL

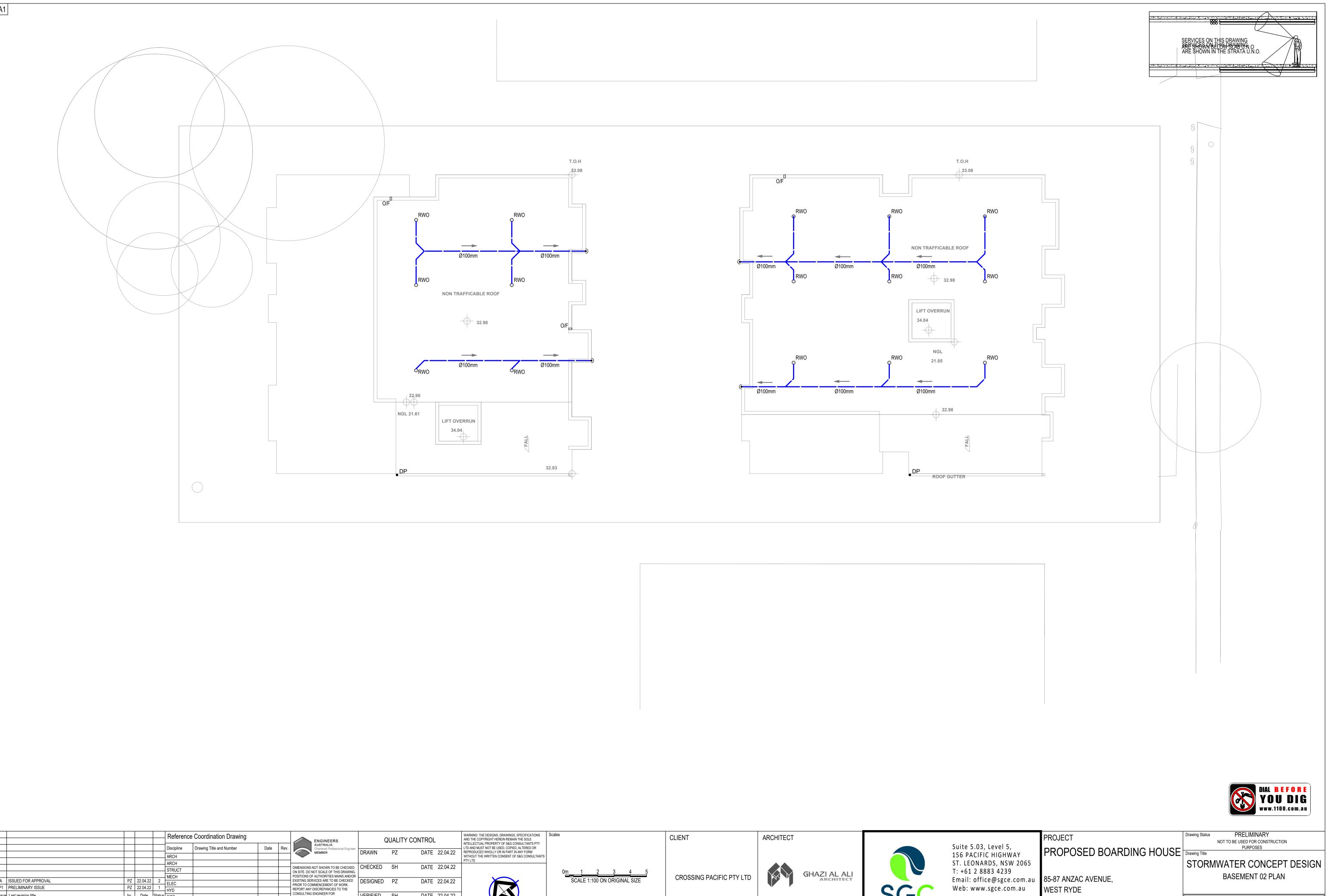
SURVEY

3-construction certificate

6-other

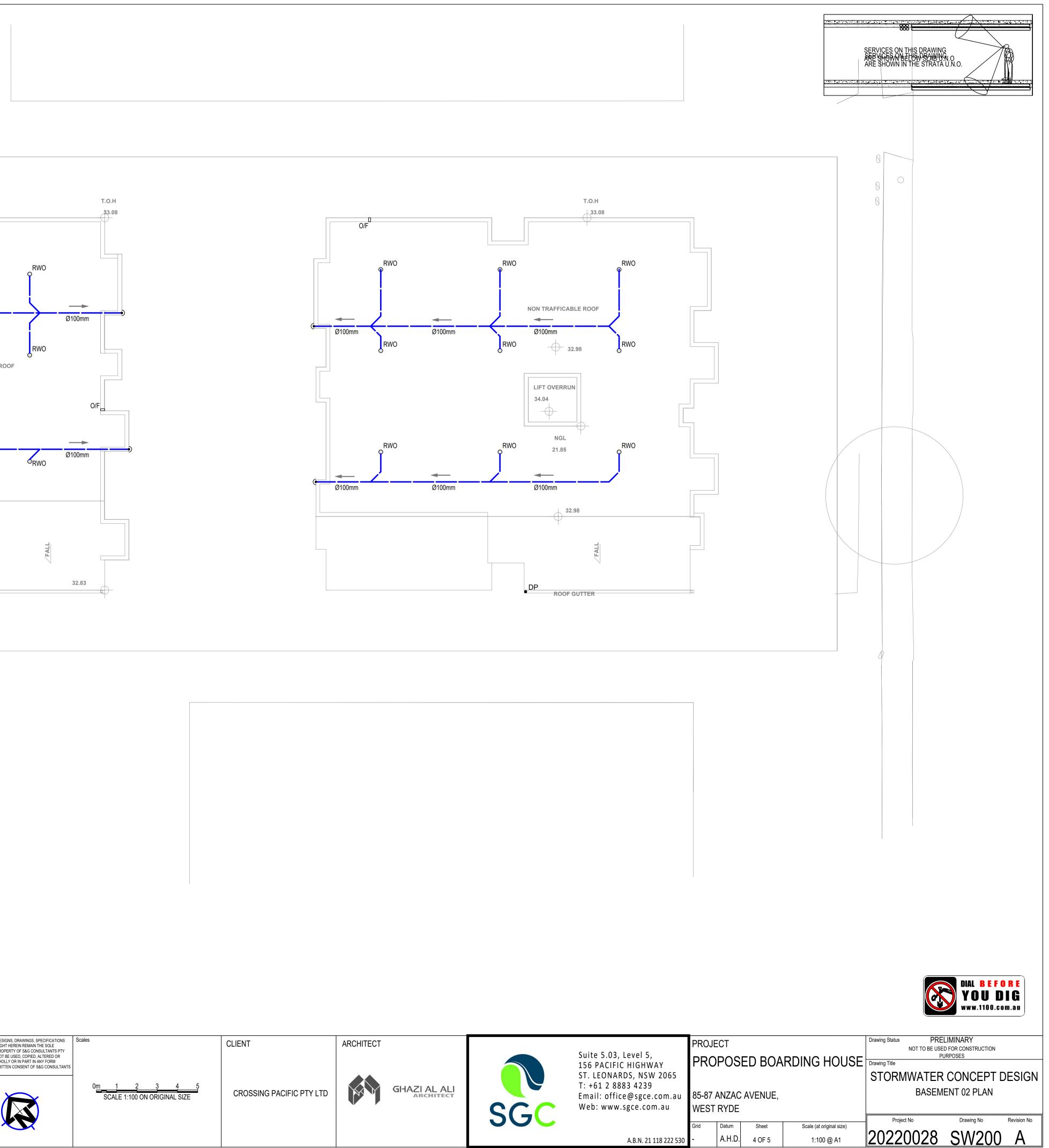
5, WAY 5W 2065	proje PRO		ED BOA	RDING HOUSE	Drawing Title	TO BE USEI PU		DESIGN	
9 e.com.au om.au	85-87 / WEST		AVENUE,		STORMWATER CONCEPT DESIGN BASEMENT 02 PLAN				
	Grid	Datum	Sheet	Scale (at original size)	Project No	00	Drawing No	Revision No	
21 118 222 530	-	A.H.D.	3 OF 5	1:100 @ A1	202200	28	<u>SW200</u>	) A	





XREF's: \$? CAD FILE: C:\Users\PeterSGC\AppData\Local\Temp\BricsCAD\bp_5SW20   源   ッ  >	5SW20	
XREF's: \$? CAD FILE: C:\Users\PeterSGC\AppData\Loc [ ᇙ   고 ) >	al\Temp\BricsCAD\bp_{	
XREF's: \$? CAD FILE: C:\Users\PeterSGC\AppData\ 惑 [	Loc	
XREF's: \$? CAD FILE: C:\Users\PeterSGC\AppDa [ ] [] [] [] [] [] [] [] [] [] [] [] []	ata/	
XREF's: \$? CAD FILE: C:\Users\PeterSGC\Ap [ 종   ၂   >	ğ	
XREF's: \$? CAD FILE: C:\Users\PeterSGC 평 년 동	Ap	
XREF's: \$? CAD FILE: C:\Users\PeterSo	С С	
XREF's: \$? CAD FILE: C:\Users\Pete   第   ਗ਼   ୭	ŝrŝ	
XREF's: \$? CAD FILE: C:\Users\F 종   균   ୭	bete	
XREF's: \$? CAD FILE: C:\Use   37   4	rs/F	A
XREF's: \$? CAD FILE: C:\\ 37	Jse	P
CAD FILES	C:	
	XREF's: \$' CAD FILE:	

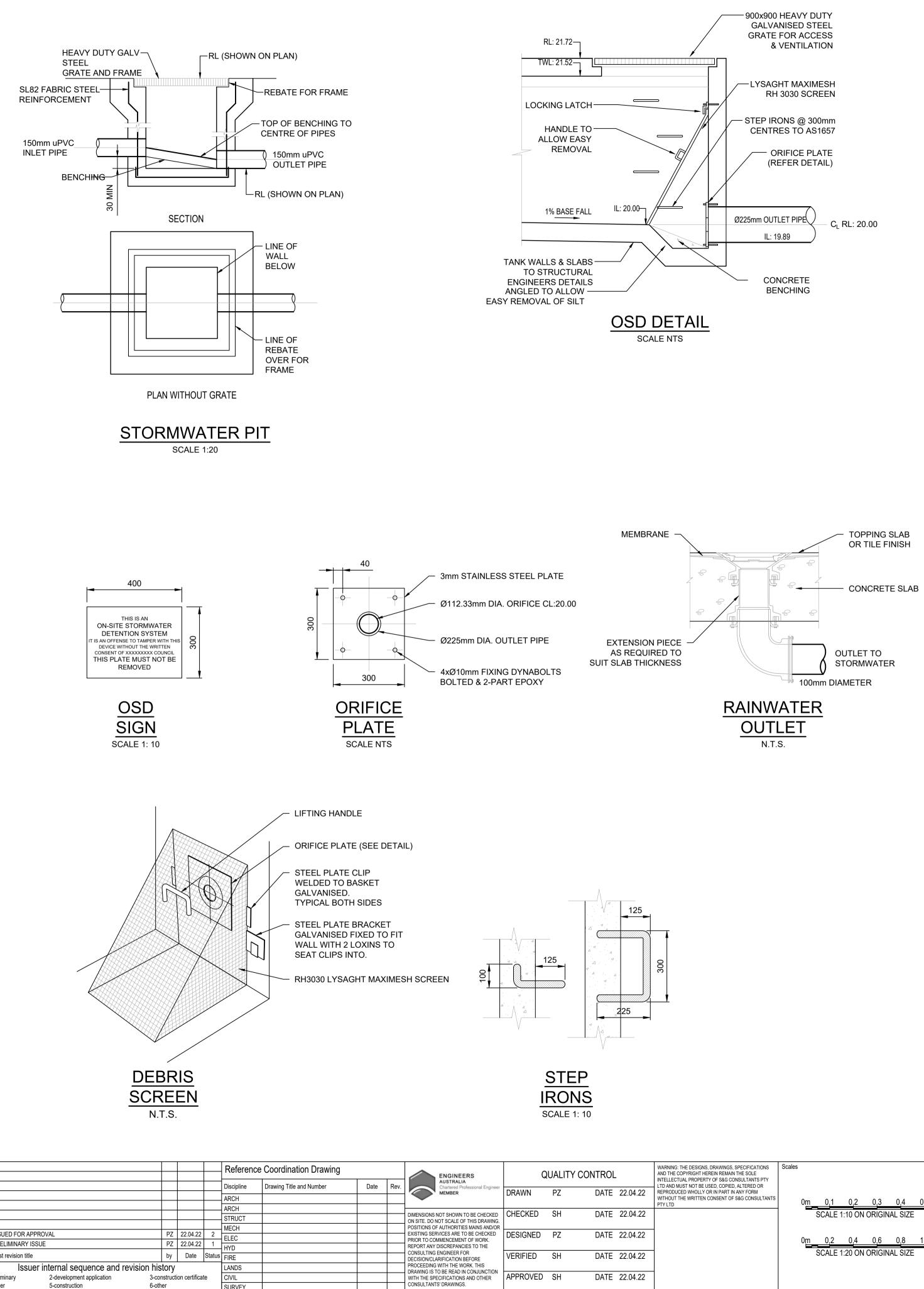
					Reference	e Coordination Drawing		-	ENGINEERS	G	UALITY	CONTROL		WARNING: THE DESIGNS AND THE COPYRIGHT HE INTELLECTUAL PROPER
					Discipline	Drawing Title and Number	Date	Rev	AUSTRALIA Chartered Professional Engineer MEMBER	DRAWN	PZ	ΠΔΤΕ	22.04.22	LTD AND MUST NOT BE U
					ARCH						12	DAIL	22.04.22	WITHOUT THE WRITTEN PTY LTD
					ARCH STRUCT				DIMENSIONS NOT SHOWN TO BE CHECKED ON SITE. DO NOT SCALE OF THIS DRAWING.	CHECKED	SH	DATE	22.04.22	
A	ISSUED FOR APPROVAL	PZ	22.04.22	2	MECH				POSITIONS OF AUTHORITIES MAINS AND/OR EXISTING SERVICES ARE TO BE CHECKED	DESIGNED	PZ	DATE	22.04.22	
P1	PRELIMINARY ISSUE	PZ	22.04.22	1	HYD				PRIOR TO COMMENCEMENT OF WORK. REPORT ANY DISCREPANCIES TO THE				-	· · · · · · · · · · · · · · · · · · ·
Issue	Last revision title	by	Date	Status	FIRE				CONSULTING ENGINEER FOR DECISION/CLARIFICATION BEFORE	VERIFIED	SH	DATE	22.04.22	
	Issuer internal sequence and revision his	story			LANDS				PROCEEDING WITH THE WORK. THIS DRAWING IS TO BE READ IN CONJUNCTION					
	-preliminary 2-development application 3-col -tender 5-construction 6-oth		tion certifica	ate	CIVIL				WITH THE SPECIFICATIONS AND OTHER CONSULTANTS' DRAWINGS.	APPROVED	SH	DATE	22.04.22	
4.	-נפוועפו ט-כטוואנועכנוטוז ט-טו				SURVEY									



A.H.D. 4 OF 5

1:100 @ A1





EXISTING SERVICES ARE TO BE CHECKED PRIOR TO COMMENCEMENT OF WORK. REPORT ANY DISCREPANCIES TO THE

VERIFIED SH

APPROVED SH

CONSULTING ENGINEER FOR DECISION/CLARIFICATION BEFORE PROCEEDING WITH THE WORK. THIS

DRAWING IS TO BE READ IN CONJUNCTION WITH THE SPECIFICATIONS AND OTHER

CONSULTANTS' DRAWINGS.

DATE 22.04.22

DATE 22.04.22

DATE 22.04.22

P1 PRELIMINARY ISSUE

Issuer internal sequence and revision history

6-other

SURVEY

2-development application

5-construction

### DRAI

ALL PIPES 100mm AN MINIMUM 300mm

ALL DRAIN WITH RUE

BACKFILL HEAVY DU PIT GRATE

ALL PITS S

ALL PITS S

TOP OF B Ø100 SUB PROVIDED

COMPRES 20MPa AT

ISOLATED

ALL TREN STORMW REQUIRE

#### AUTH

- 1. IT IS PRIC FOU
- 2. ALL FEN
- 3. SMO AND
- 4. IT IS WAF ALL REQ
- 5. NO T WRI
- 6. THE PAVI MINI

AINAGE NOTES:			LEGEND
PES TO BE LAID ON 75mm SAND BED WITH THE	BARRELS FULLY SUPPORTED		
AND 150mm DIAMETER PIPES TO BE LAID ON N	/INIMUM 1% GRADE		
M DEPTH OF COVER FOR PIPES NOT SUBJECT	TO VEHICULAR LOADING TO BE	· ·	EXISTING BOUNDARY
AINAGE PIPES LAID UNDER PAVEMENT SHALL UBBER RING JOINTS	BE REINFORCED CONCRETE		STORMWATER LINE
LL TRENCHES WITH COMPACTED SAND OR AF	PROVED AGGREGATE MATERIAL		STORMWATER LINE TO RAINWATER TANK
DUTY GRATES AND COVERS ARE TO BE PROV	IDED IN TRAFFICABLE AREAS	SSD	SUBSOIL LINE
ATE TO BE TYPE WELDLOK OR APPROVED EQU	JIVALENT	SWRM	STORMWATER RISING MAIN
S SHALL BE PROVIDED WITH A LOCKING CLIP		HL HL	HIGH LEVEL STORMWATER LINE
S SHALL BE MAINTAINED REGULARLY			
BENCHING SHALL BE TO THE HALF OF THE O	UTLET PIPE DIAMETER	OF	OVERFLOW LINE
UBSOIL DRAINAGE PIPE 3000mm LONG WRAPP DED ADJACENT TO INLET PIPES	ED IN FABRIC SOCK TO BE		GRATED SURFACE INLET PIT
ESSIVE STRENGTH fc FOR CAST IN SITU CONC AT 28 DAYS	CRETE TO BE A MINIMUM OF		JUNCTION PIT
ED JOINTS TO BE PROVIDED TO ISOLATE CON	CRETE PAVEMENTS FROM PITS		GRATED TRENCH DRAIN
ENCH GRATES PROVIDED SHALL HAVE A MINI	MUM CLEAR WIDTH OF 200mm		OVERLAND FLOW PATH
WATER DRAINAGE CONNECTIONS TO THE MA REMENTS AND THE SATISFACTION OF LOCAL C		©RWO	RAINWATER OUTLET
		oco	CLEAR OUT POINT
HORITY STORMWATER	<u>RNOTES:</u>	DDO Ø	DISH DRAIN OUTLET
IS THE CONTRACTOR'S RESPONSIBILITY TO C RIOR TO COMMENCEMENT OF WORKS AND TO		PD Ø	PLANTER DRAIN
OUND TO THE SUPERINTENDANT.			CAP
LL SET OUT DIMENSIONS ARE TO FACE OF KE ENCE/BOLARD/PIPE.	RB, CENTERLINE OF	1.01	PIT TAG/NUMBER
MOOTH ALL TRANSITIONS BETWEEN NEW AND ND ALIGNMENT.	) EXISTING WORK IN BOTH LEVEL	© <sup>RH</sup>	RAINHEAD
IS THE CONTRACTOR'S RESPONSIBILITY TO F ARNING SIGNS, TRAFFIC DIVERSIONS AND TH LL WORKS TO COMPLY WITH OCCUPATIONAL	E LIKE DURING CONSTRUCTION. HEALTH AND SAFETY	●	DOWNPIPE DROP
EQUIREMENTS AND OTHER RELEVANT AUTHO		$\boxtimes$	NON RETURN VALVE
O TREES SHALL BE REMOVED, CUTBACK OR F /RITTEN INSTRUCTION FROM THE SUPERINTE		×	WALL PENETRATION
HE CONTRACTOR SHALL PROVIDE CERTIFICA AVEMENT THICKNESS FROM A NATA REGISTE	RED TESTING AUTHORITY.	● DP	DOWNPIPE
IINIMUM THREE TESTS PER LAYER AS FOLLOW PIPE BACKFILL SELECT FILL	DENSITY INDEX 75 95% STANDARD		DOWNPIPE SPREADER
SELECT FILL (LESS THAN 300mm BELOW BASE COURSE) BASE COURSE	98% MODIFIED 100% MODIFIED		WARNING LIGHT
HE AUSPEC SPECIFICATION SHALL BE THE SP	ECIFICATION FOR THESE WORKS.	◆ RL00.00	SPOT LEVEL
		× KSA.5A	EXISTING SPOT LEVEL
			ROOF OUTLINE
		· · · · · ·	BASEMENT OUTLINE
		·///	FENCE LINE

7. THE

ENS, DRAWINGS, SPECIFICATIONS I HEREIN REMAIN THE SOLE ERTY OF S&G CONSULTANTS PTY 3E USED, COPIED, ALTERED OR LY OR IN PART IN ANY FORM EN CONSENT OF S&G CONSULTANTS	Scales 0m 0,1 0,2 0,3 0,4 0,5   SCALE 1:10 ON ORIGINAL SIZE 0m 0,2 0,4 0,6 0,8 1,0   SCALE 1:20 ON ORIGINAL SIZE SCALE 1:20 ON ORIGINAL SIZE 0 <td< td=""><td>CLIENT CROSSING PACIFIC PTY LTD</td><td>ARCHITECT</td><td>GHAZI AL ALI ARCHITECT</td><td>SGC</td><td>Suite 5.03, Level 5, 156 PACIFIC HIGHWAY ST. LEONARDS, NSW 2 T: +61 2 8883 4239 Email: office@sgce.co Web: www.sgce.com.</td></td<>	CLIENT CROSSING PACIFIC PTY LTD	ARCHITECT	GHAZI AL ALI ARCHITECT	SGC	Suite 5.03, Level 5, 156 PACIFIC HIGHWAY ST. LEONARDS, NSW 2 T: +61 2 8883 4239 Email: office@sgce.co Web: www.sgce.com.

	1				Drawing Status	DDE	LIMINARY	
	PROJE	ECT			, °		D FOR CONSTRUCTION	
,							JRPOSES	
ŇAY	ΙΡΚΟ	POS	ED ROA	RDING HOUSE	Drawing Title			
W 2065								
9								
e.com.au	85-87	ANZAC	AVENUE,			DET	AILS SHEET	
om.au	WEST							
	0.11				Project No		Drawing No	Revision No
	Grid	Datum	Sheet	Scale (at original size)		200	014/000	•
1 118 222 530	-	A.H.D.	5 OF 5	AS SHOWN	202200	)28	<u>SW300</u>	A