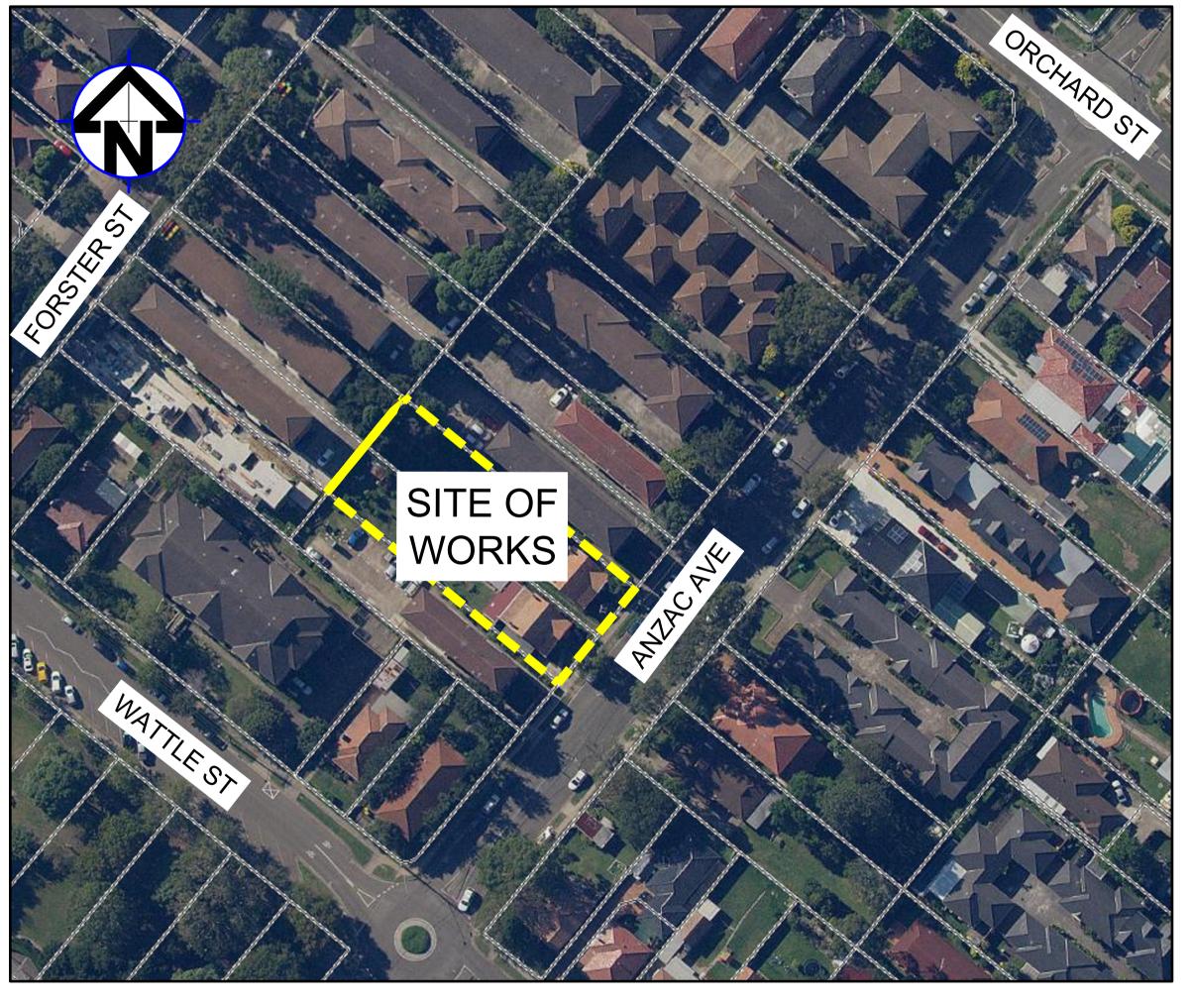
PROPOSED BOARDING HOUSE 85-87 ANZAC AVENUE, WEST RYDE **STORMWATER CONCEPT DESIGN**





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

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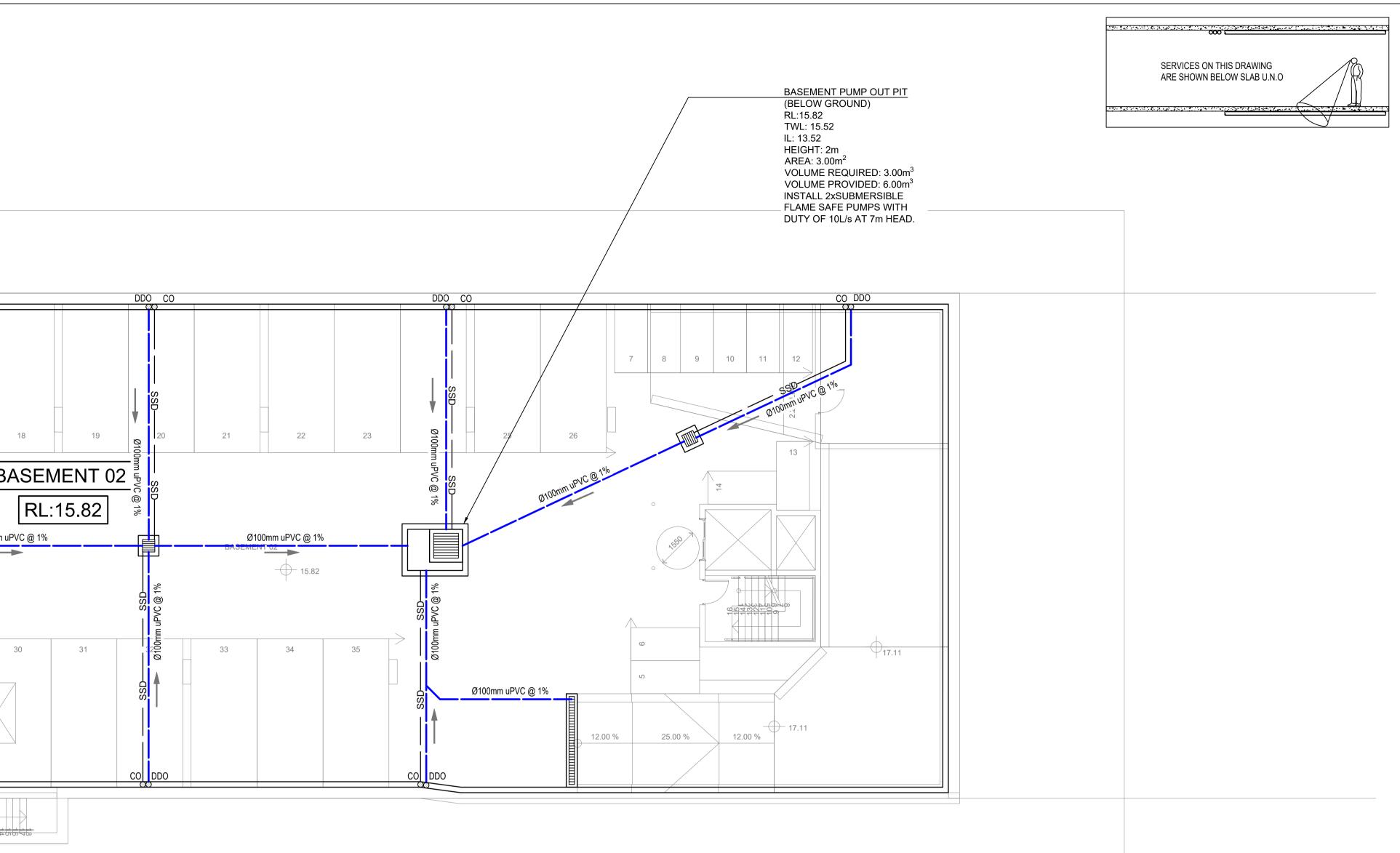
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SHEET No.	DWG No.	TITLE	REV					
1	SW100	COVER SHEET	А					
2	SW200	STORMWATER CONCEPT DESIGN - BASEMENT PLAN	А					
3	SW201	STORMWATER CONCEPT DESIGN - GROUND FLOOR PLAN	А					
4	SW202	STORMWATER CONCEPT DESIGN - ROOF PLAN	А					
5	SW300	STORMWATER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

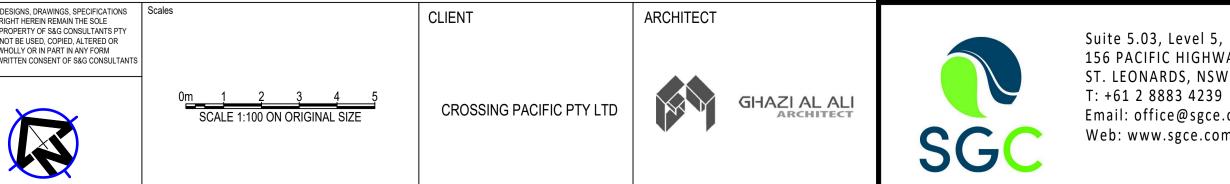
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NOTE: NOMINTED PUMP TO BE ZE EQUIVALANT TO BE INSTAL MANUFACTURERS SPECIFIC ALL SUBSOIL DRAINAGE (SE DISH DRAIN OUTLETS (DDC	LED AS PER CATIONS. SD) TO BE 11 D) TO BE Ø10	00AG ANI 0mm U.N) ALL	PUMP NOT All STORMWATER P ZONE 2 FLAME SAFE CONSULTANT'S 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		

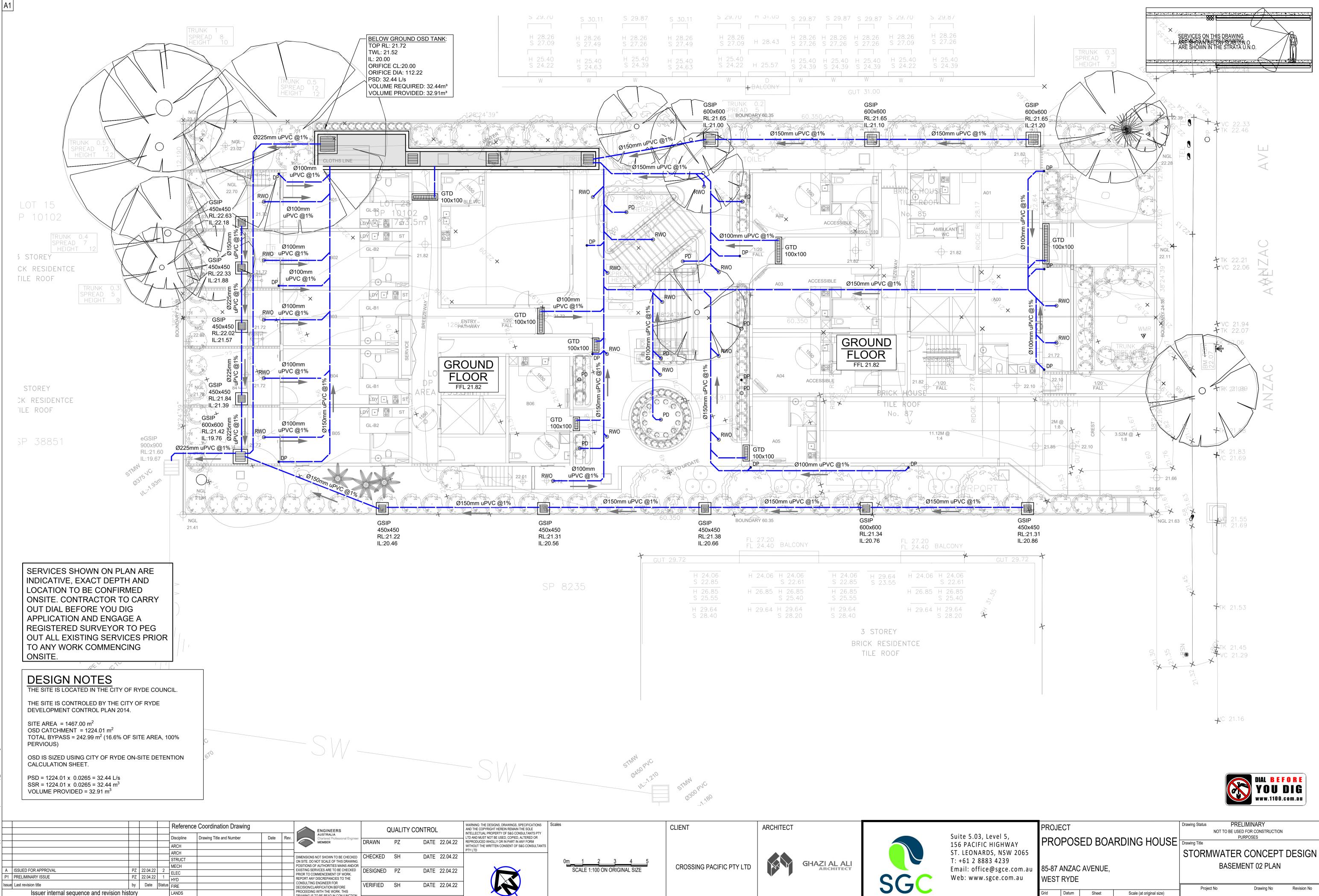
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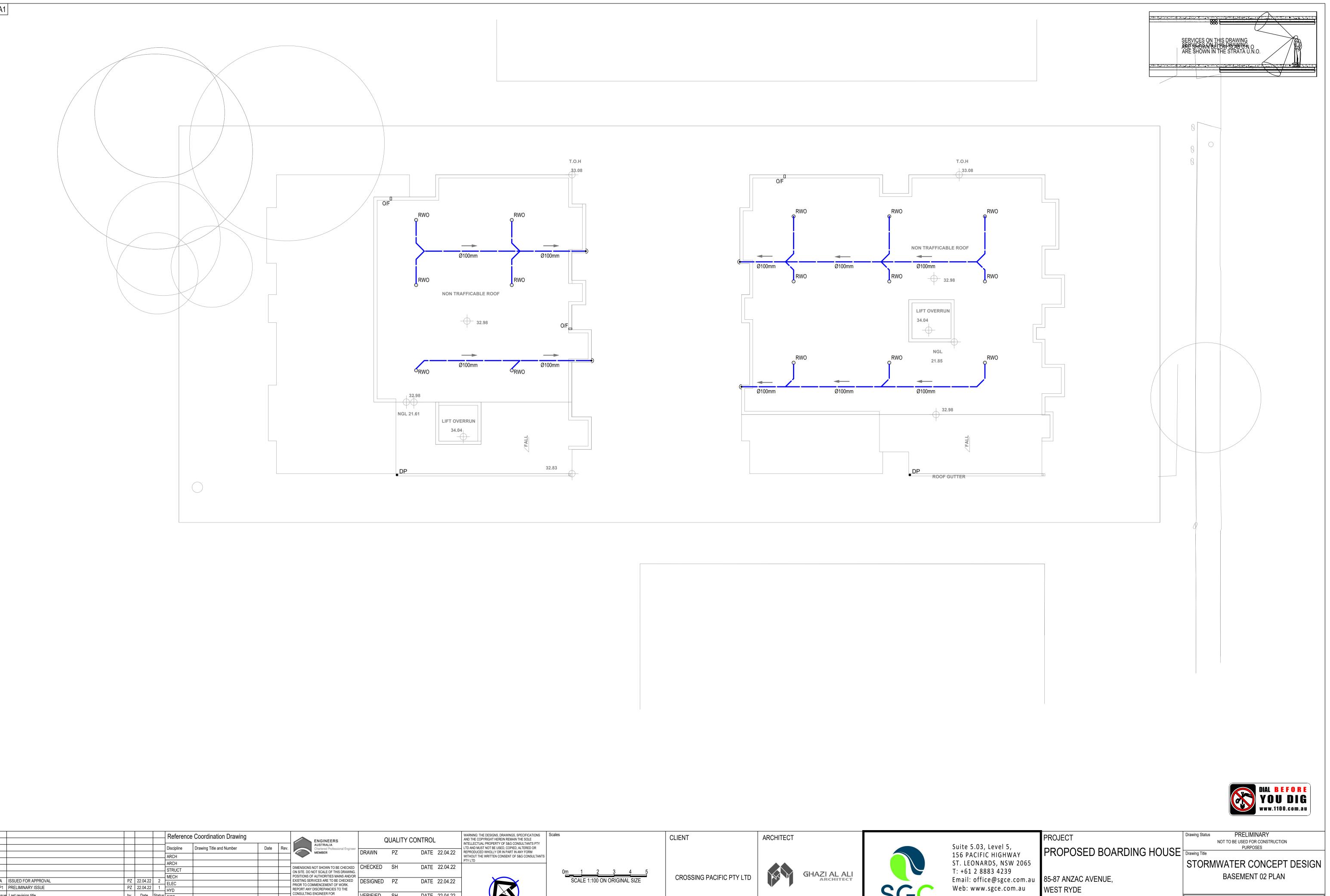
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3-construction certificate

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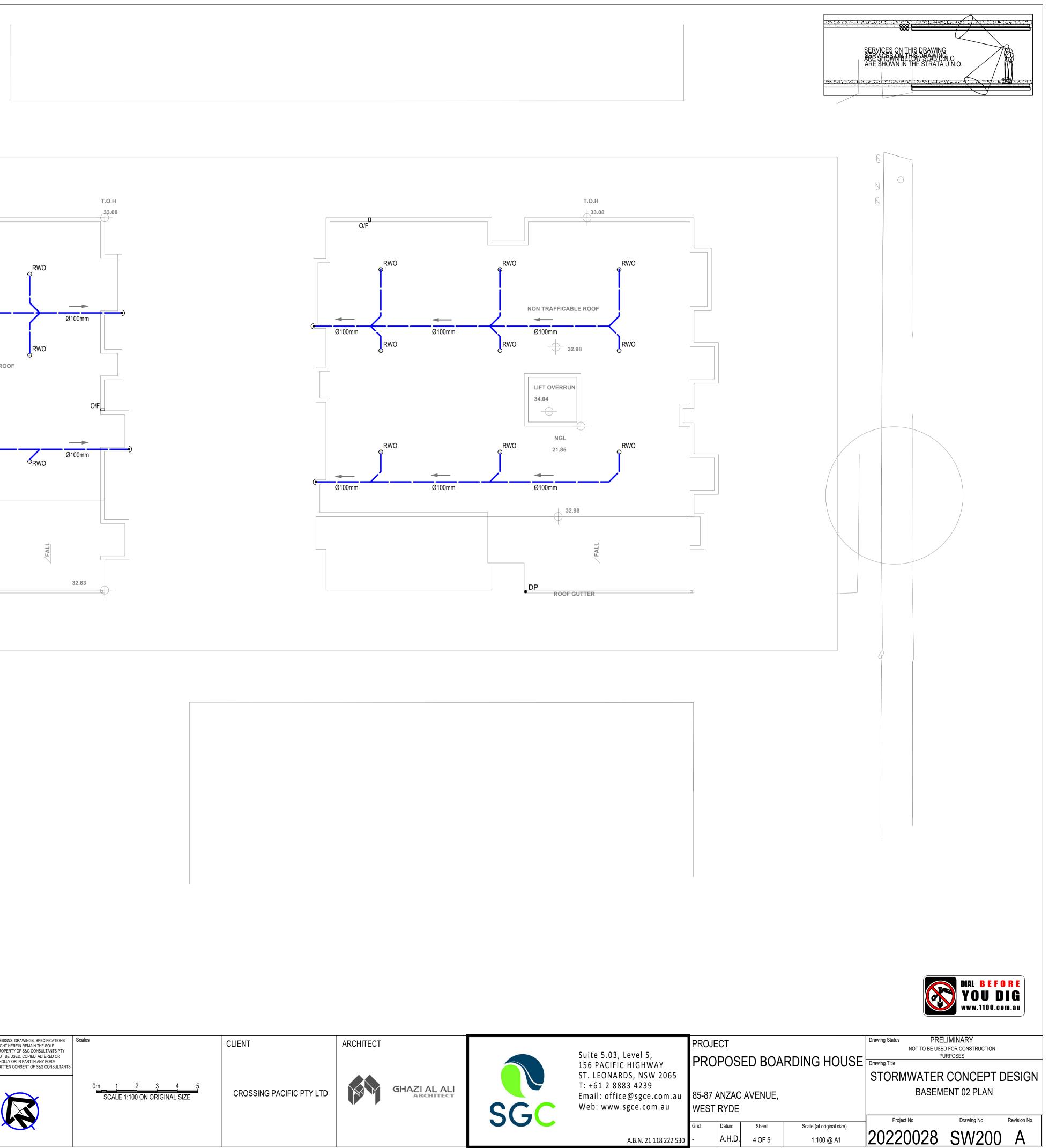
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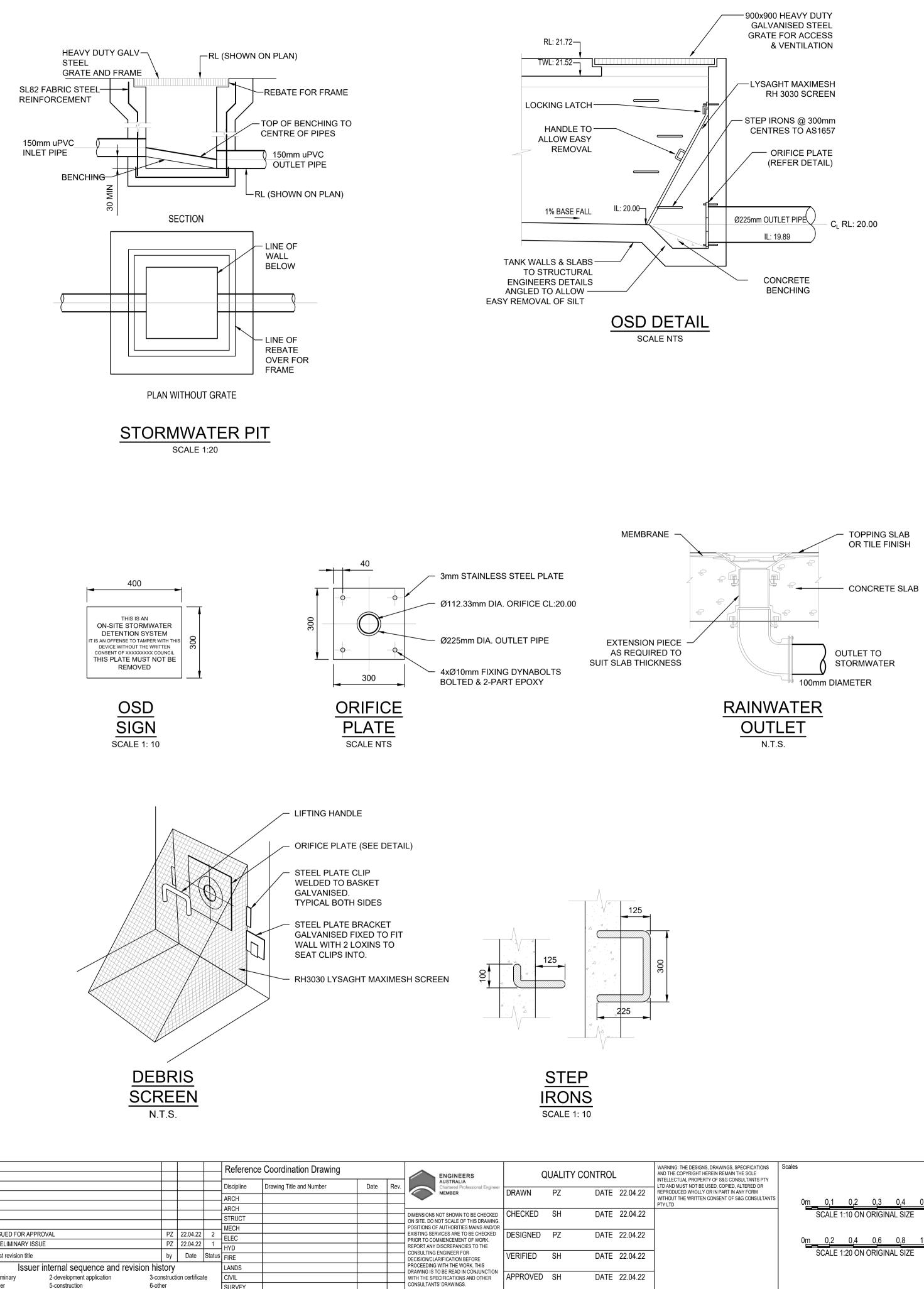
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P1 PRELIMINARY ISSUE

Issuer internal sequence and revision history

6-other

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2-development application

5-construction

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ALL PIPES 100mm AN MINIMUM 300mm

ALL DRAIN WITH RUE

BACKFILL HEAVY DU PIT GRATE

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ALL TREN STORMW REQUIRE

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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	© ^{RH}	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

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