# MIXED USE DEVELOPMENT 2 DELMAR PARADE, DEE WHY STORMWATER CONCEPT DESIGN





## PREPARED BY:

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LOCALITY PLAN NOT TO SCALE COPYRIGHT OF SIX MAPS

## **ARCHITECT:**



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	SW200	STORMWATER CONCEPT DESIGN - BASEMENT 2 PLAN - SHEET 1 OF 2	В
	SW201	STORMWATER CONCEPT DESIGN - BASEMENT 2 PLAN - SHEET 2 OF 2	В
	SW202	STORMWATER CONCEPT DESIGN - BASEMENT 1 PLAN - SHEET 1 OF 2	В
	SW203	STORMWATER CONCEPT DESIGN - BASEMENT 1 PLAN - SHEET 2 OF 2	В
	SW204	STORMWATER CONCEPT DESIGN - GROUND FLOOR PLAN - SHEET 1 OF 2	В
	SW205	STORMWATER CONCEPT DESIGN - GROUND FLOOR PLAN - SHEET 2 OF 2	В
	SW206	STORMWATER CONCEPT DESIGN - LEVEL 1 PLAN - SHEET 1 OF 2	В
	SW207	STORMWATER CONCEPT DESIGN - LEVEL 1 PLAN - SHEET 2 OF 2	В
	SW208	STROMWATER CONCEPT DESIGN - ROOF PLAN - SHEET 1 OF 2	В
	SW209	STROMWATER CONCEPT DESIGN - ROOF PLAN - SHEET 2 OF 2	В
	SW300	STROMWATER CONCEPT DESIGN - DETAILS SHEET - SHEET 1 OF 2	В
	SW301	STROMWATER CONCEPT DESIGN - DETAILS SHEET - SHEET 2 OF 2	В
	SW400	EROSION AND SEDIMENT CONTROL - PLAN AND DETAILS	В

## CLIENT:

## LANDMARK GROUP

### NOTE:

ALL STORMWATER PUMPS TO BE CLASS 1 ZONE 2 FLAME SAFE TO ELECTRICAL CONSULTANT'S REQUIREMENTS.

#### SUBSOIL DESIGN CALCS: SINCE THERE ARE NO AREA OF DRIVEWAY RAMP UNCOVERED, SUBSOIL PUMP OUT PIT WILL BE SIZED TO HAVE A VOLUME OF 3.0m3 AS A MINIMUM REQUIREMENT ACCORDING TO

#### GEO-TECHNICAL NOTE:

AUSTRALIAN STANDARD.

BASEMENT DRAINAGE DESIGN SUBJECT TO GEOTECHNICAL INVESTIGATION AND STRUCTURAL DESIGN OF WALLS AND SLABS.

GEO-TECH ENGINEER IS TO CONFIRM WATER TABLE, SEEPAGE AND IF THE BASEMENT NEEDS TO BE TANKED.

IF SIGNIFICANT WATER INFLOWS ARE OBSERVED DURING EXCAVATION, BUILDER SHOULD LET THE GEOTECHNICAL ENGINEER KNOW IMMEDIATELY AND CONDUCT FURTHER ASSESSMENT ON THE SEEPAGE FLOW RATE AND REPORT BACK TO STORMWATER ENGINEER TO REVIEW THE DESIGN OF THE PUMP OUT SYSTEM.

#### PUMP-OUT PIT NOTE:

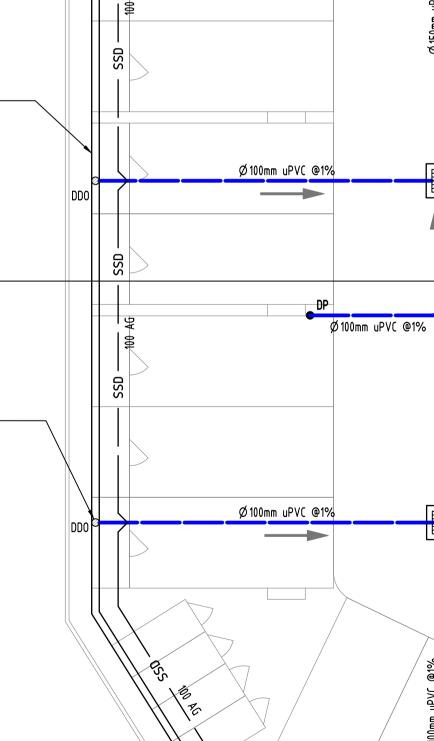
INSTALL WITH THE FOLLOWING ITEMS: - 900SQ HEAVY DUTY STEEL GRATED LID FOR ACCESS AND MAINTENANCE PURPOSES. -CONFINED SPACE SIGN ABOVE PUMP OUT PIT FOR PUBLIC AWARENESS AND WARNING. -STEP IRONS. REFER TO DETAILS. -PUMPOUT PIT CONTROL BOX (CTRL) TO MANUFACTURERS SPECIFICATIONS. LOCATIONS TO BE CONFIRMED WITH ARCHITECT. -PUMPS TO OPERATE IN ALTERNATE MODE TO INCREASE LIFESPAN -INSTALL VISIBLE FLASHING LIGHT SYSTEM IN CASE OF PUMP FAILURE

> Ø150mm HALF ROUND DISH DRAIN TO PERIMETER WALL OF BASEMENT (TYP).

LIFT TO BE FULLY TANKED -

TO STRUCTURAL DETAILS.

Ø100mm DISH DRAIN OUTLET-TYPE SPS OR APPROVED EQUIVALENT. (TYP)



Ø DP

DDO

GSIP

600x600

RL:21.60

IL:20.74

GSIP 600x600

RL:21.60

GSIP 600x600

· OSS 100 AG

RL:21.60

IL:20.91

IL:20.82

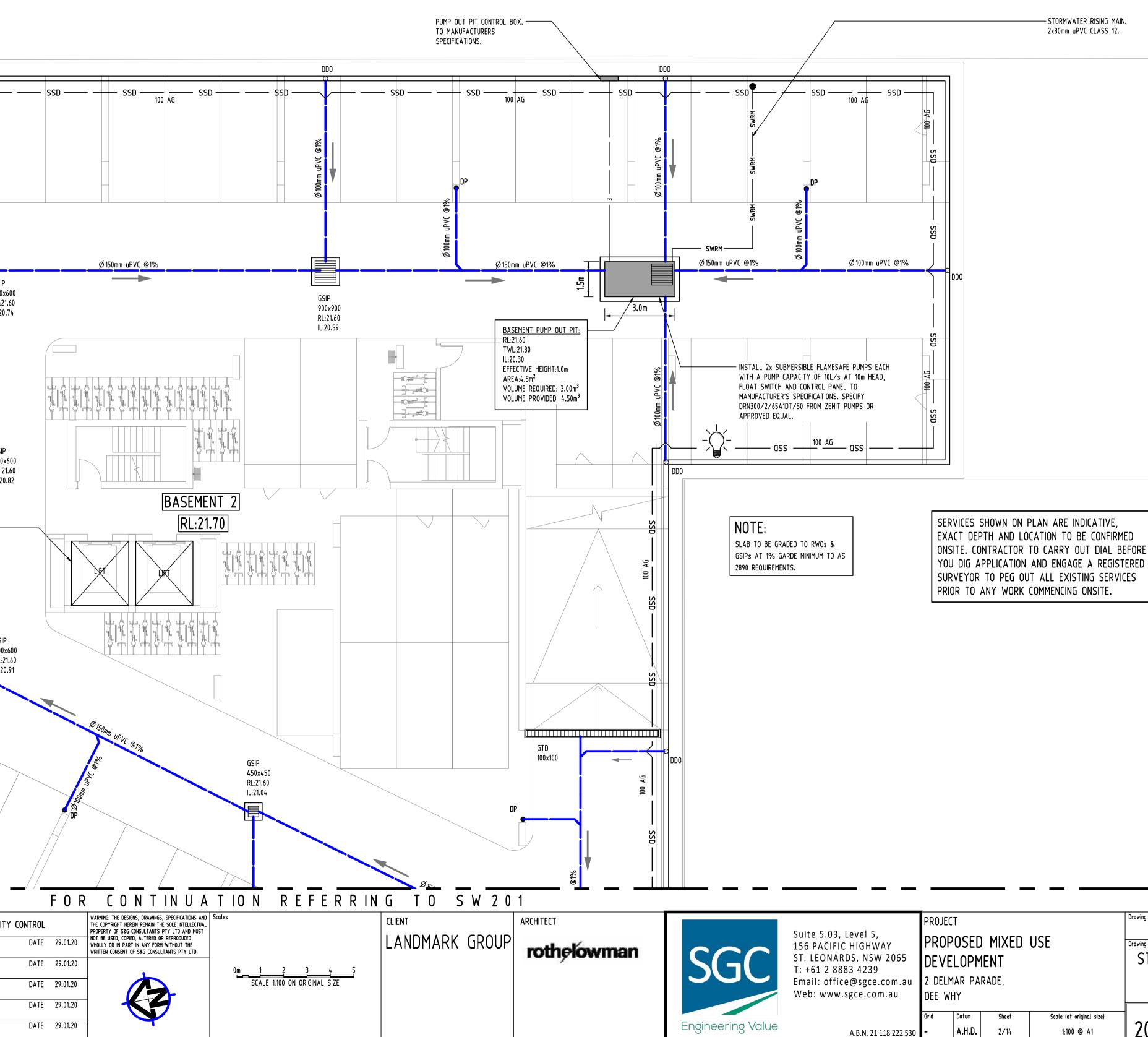
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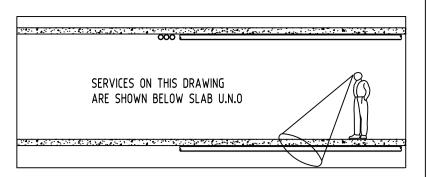
Ø100mm uPVC @1%

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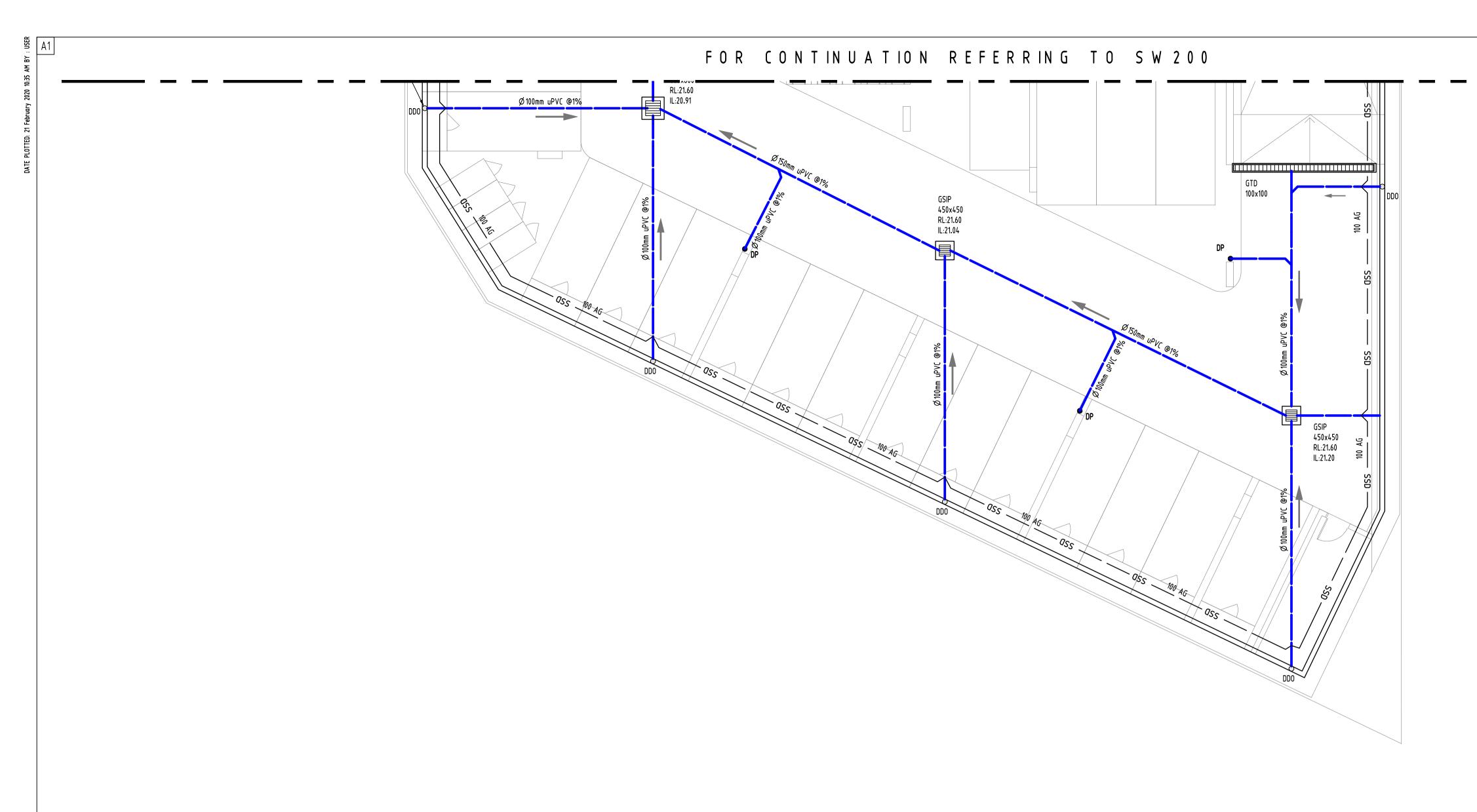
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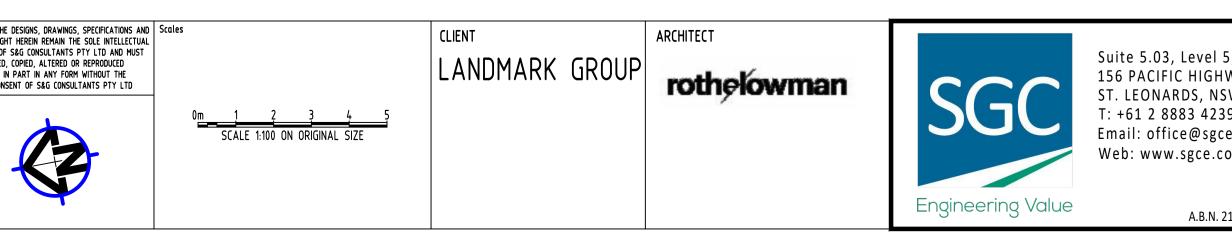


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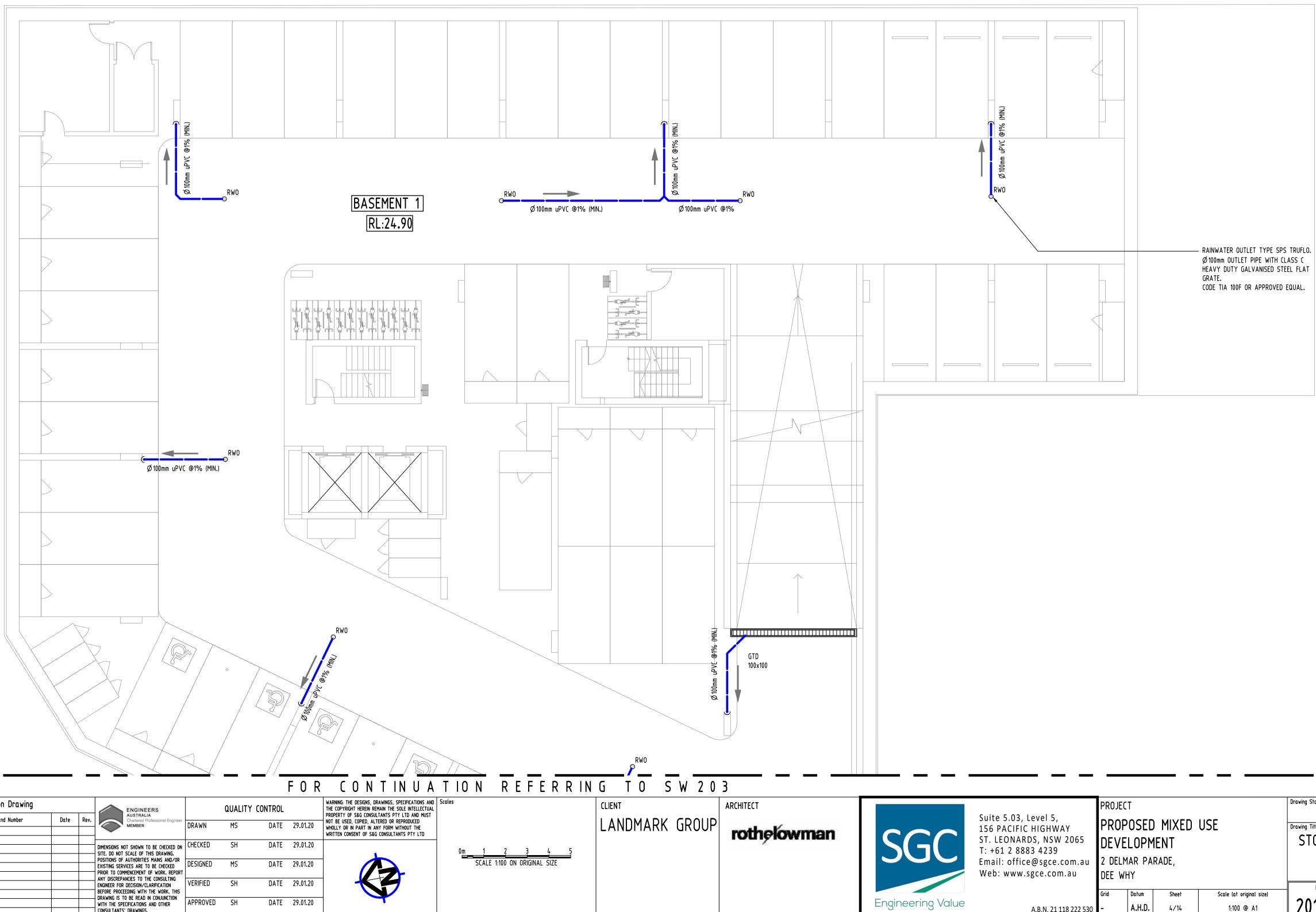
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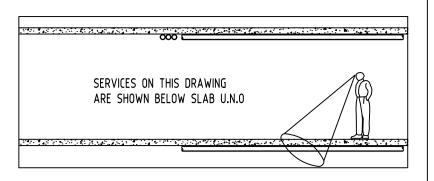
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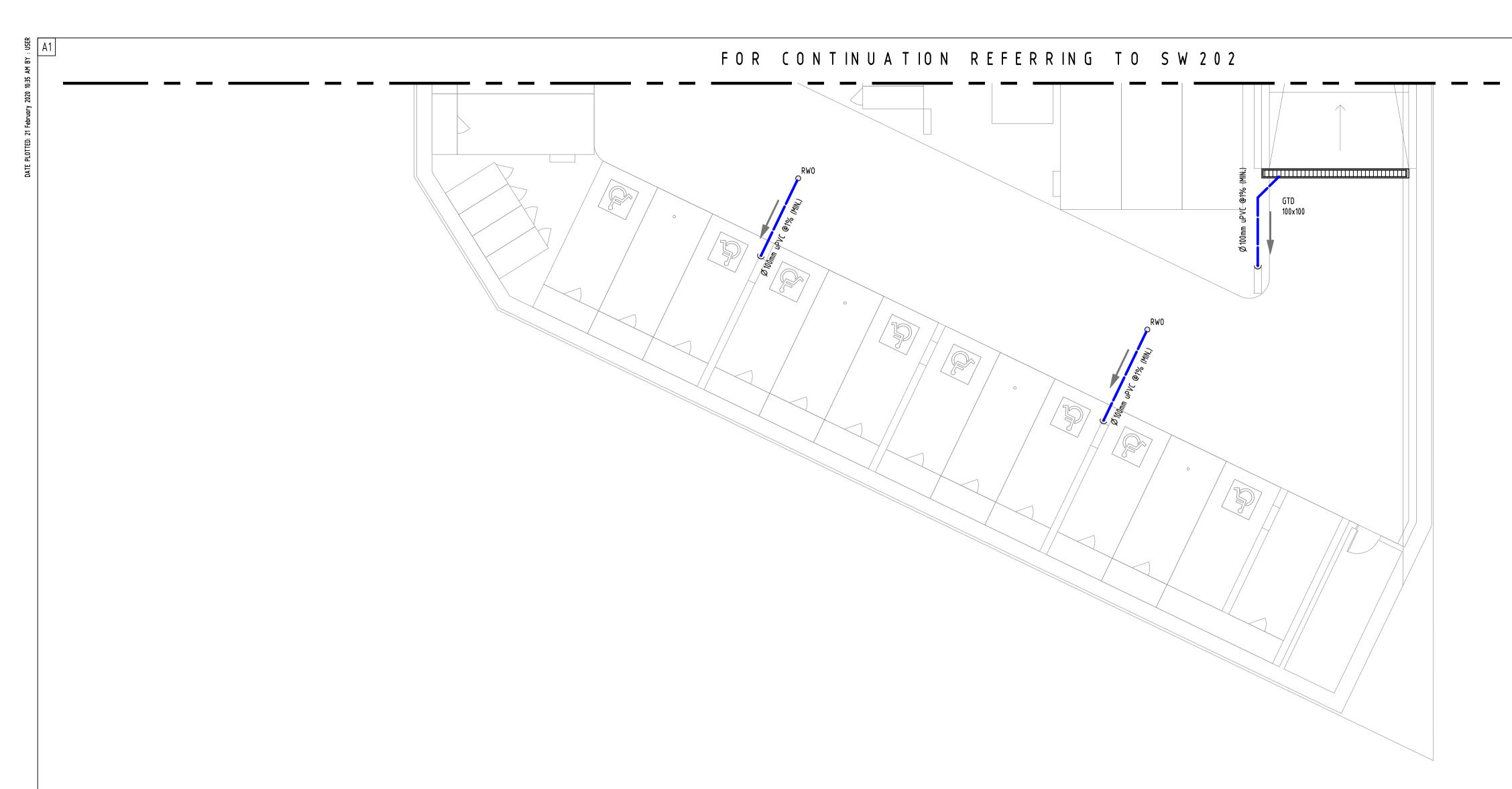


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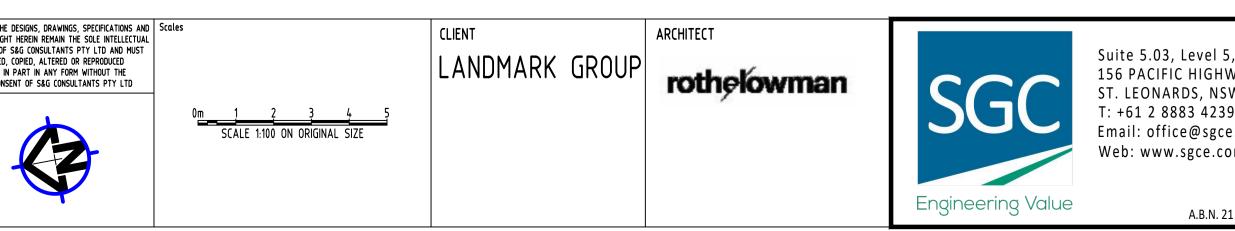


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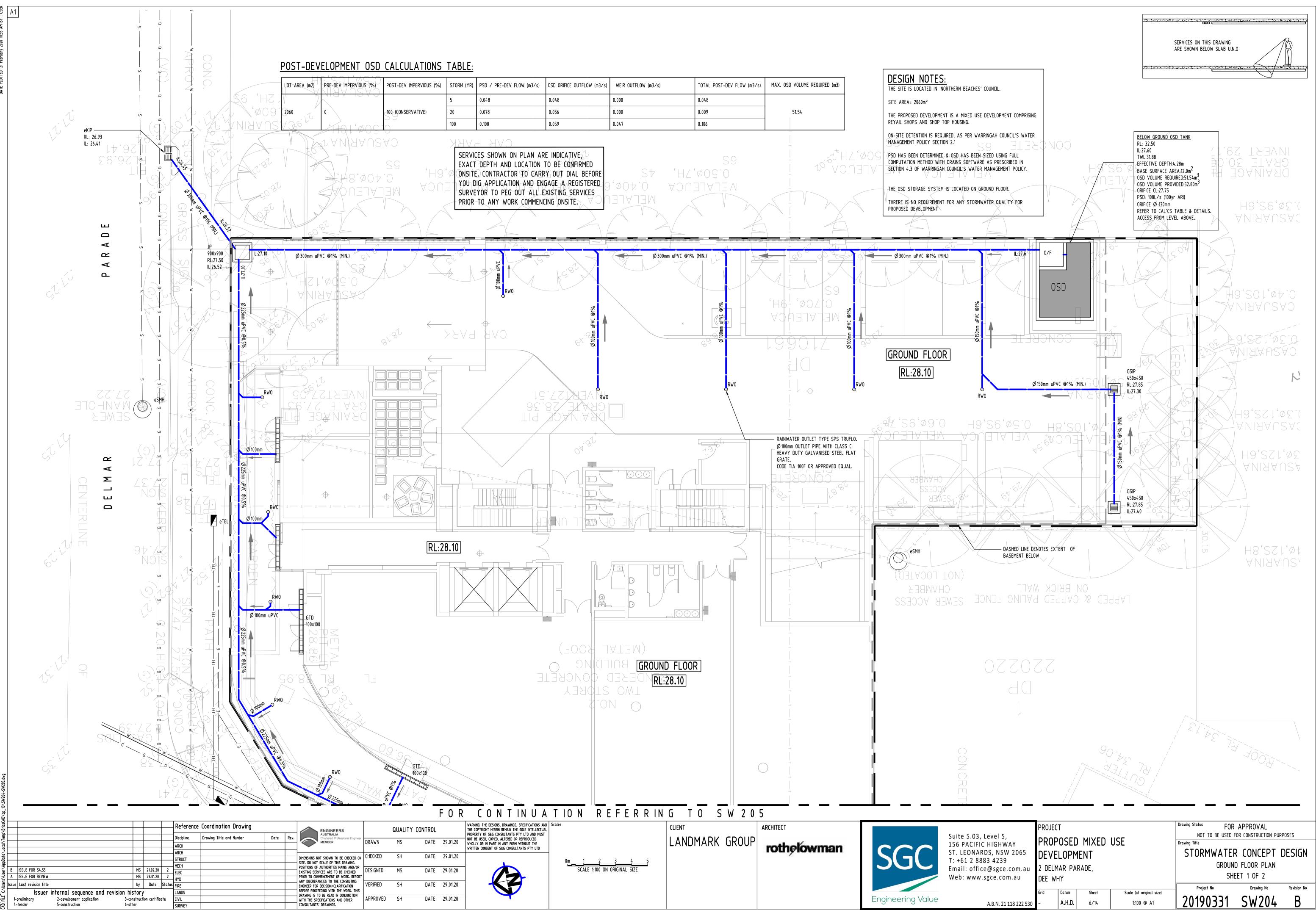
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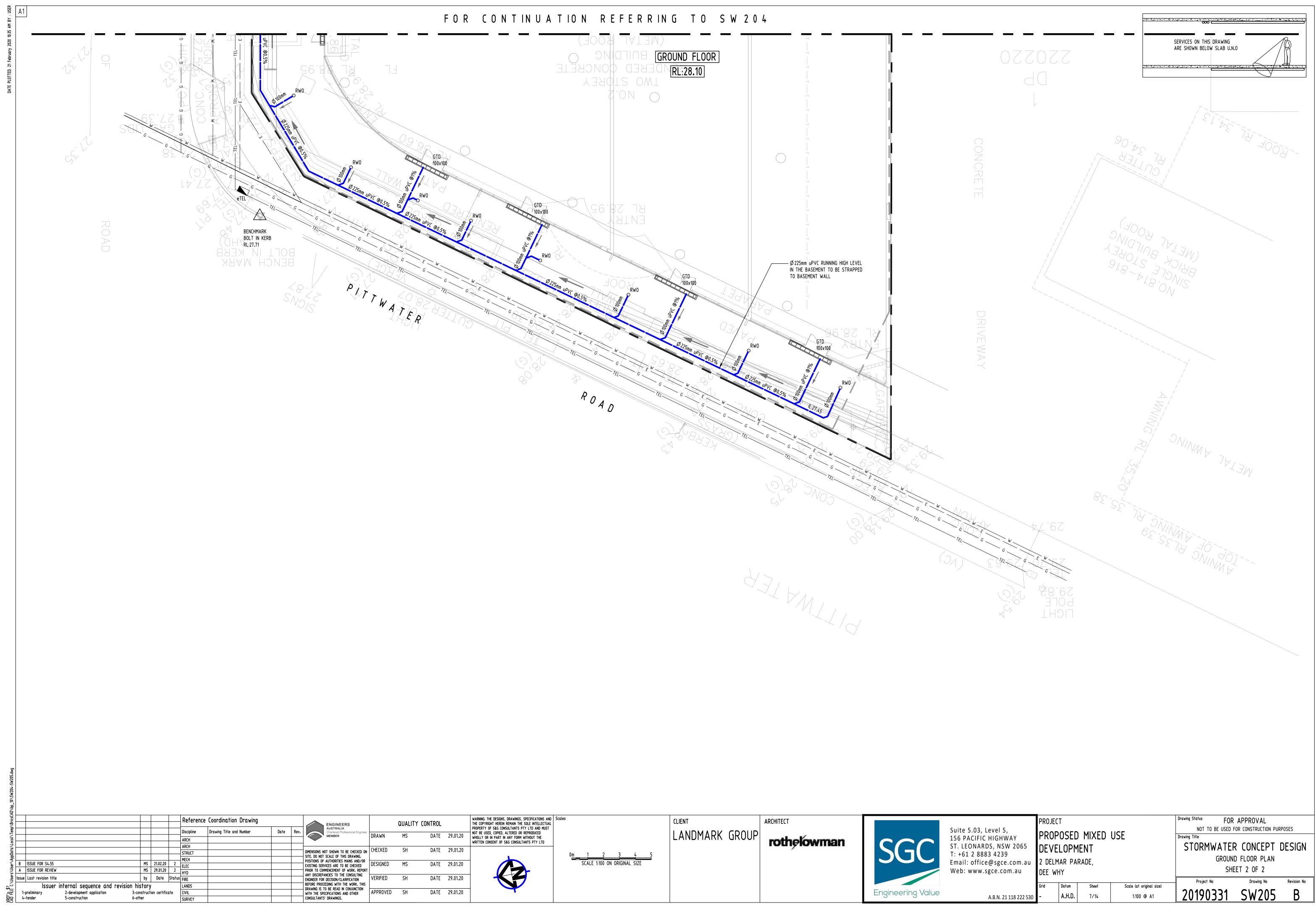


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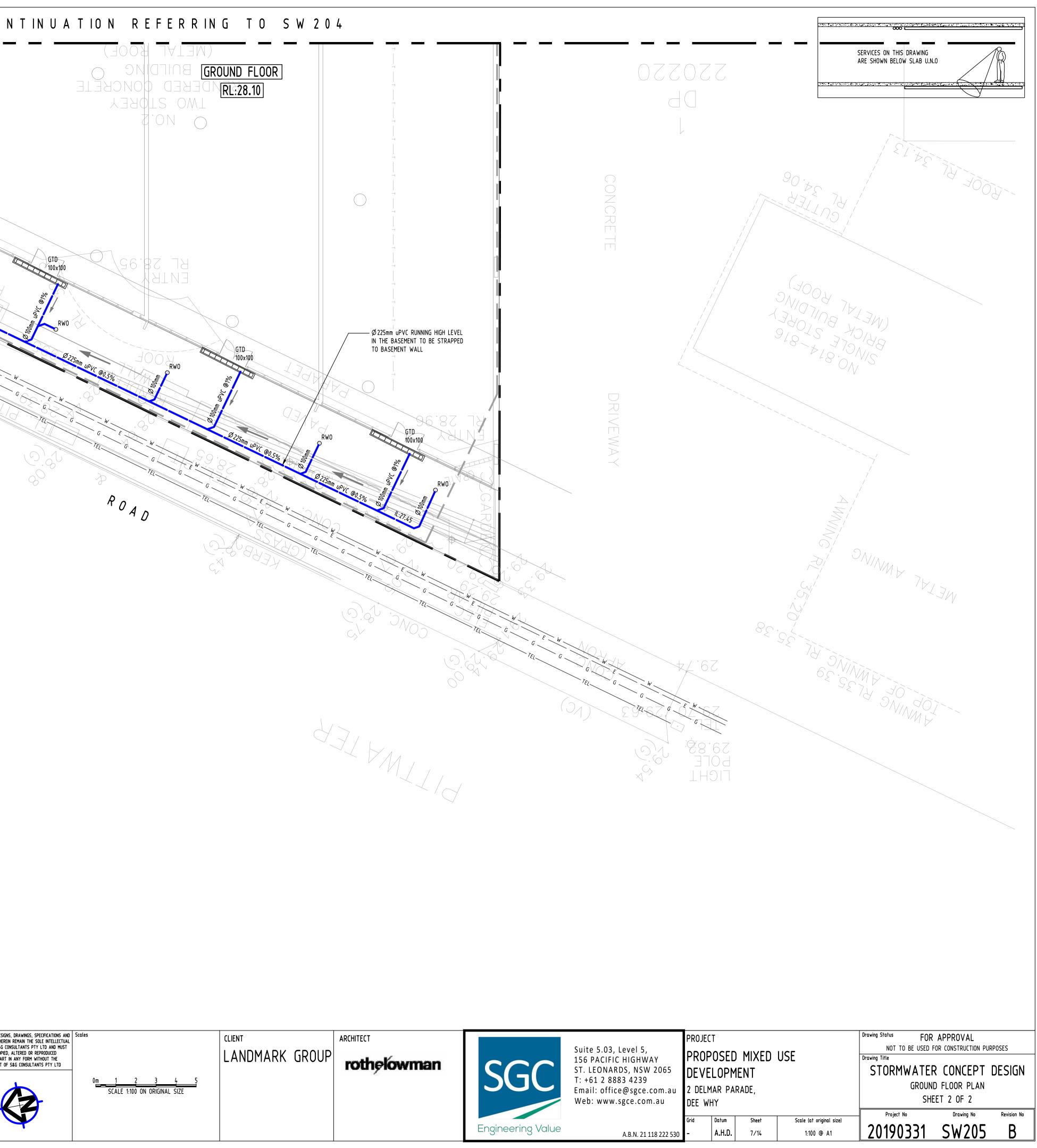


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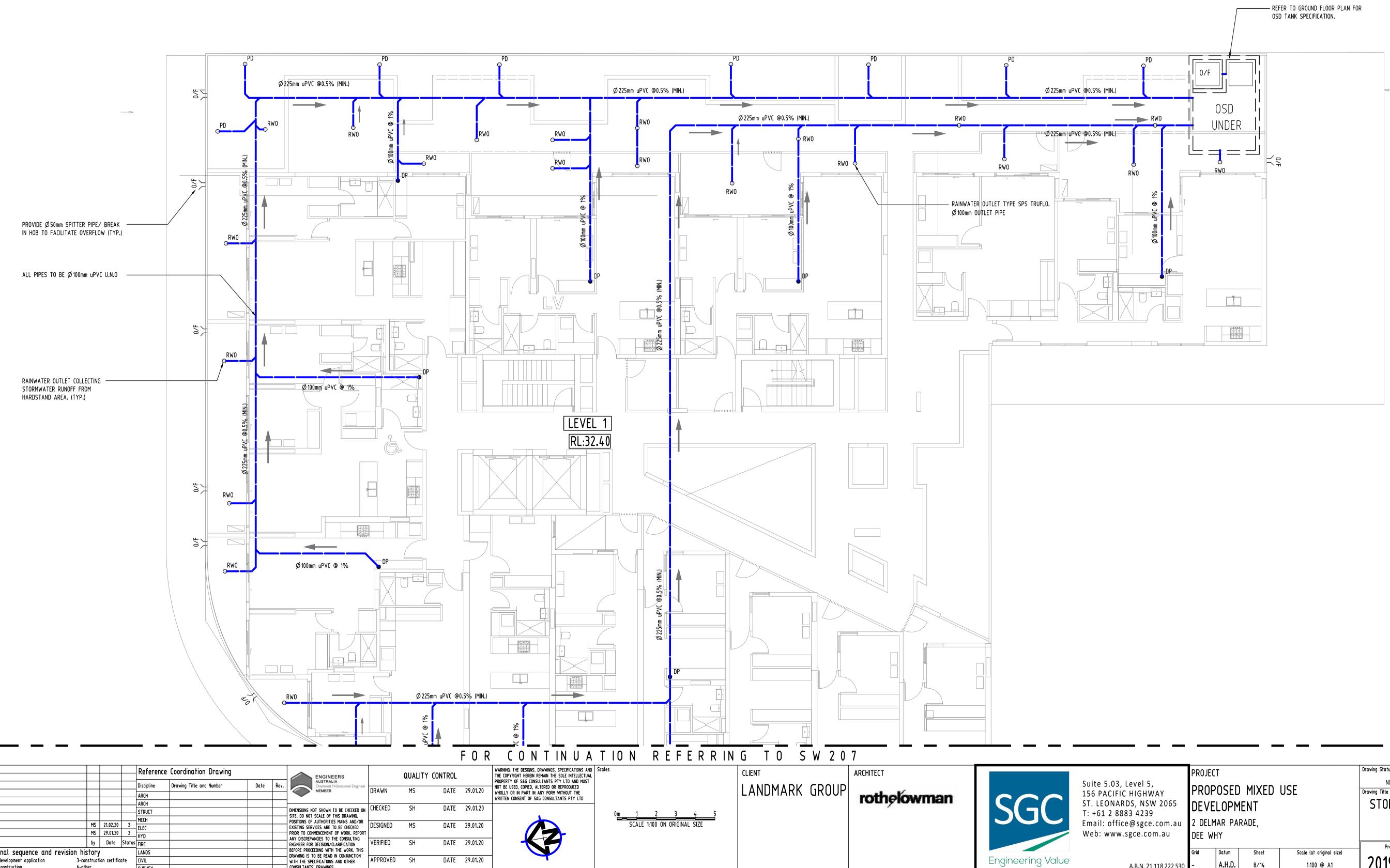




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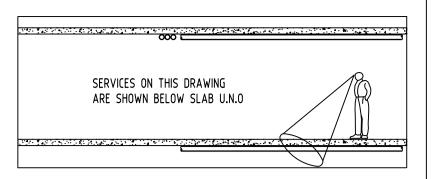


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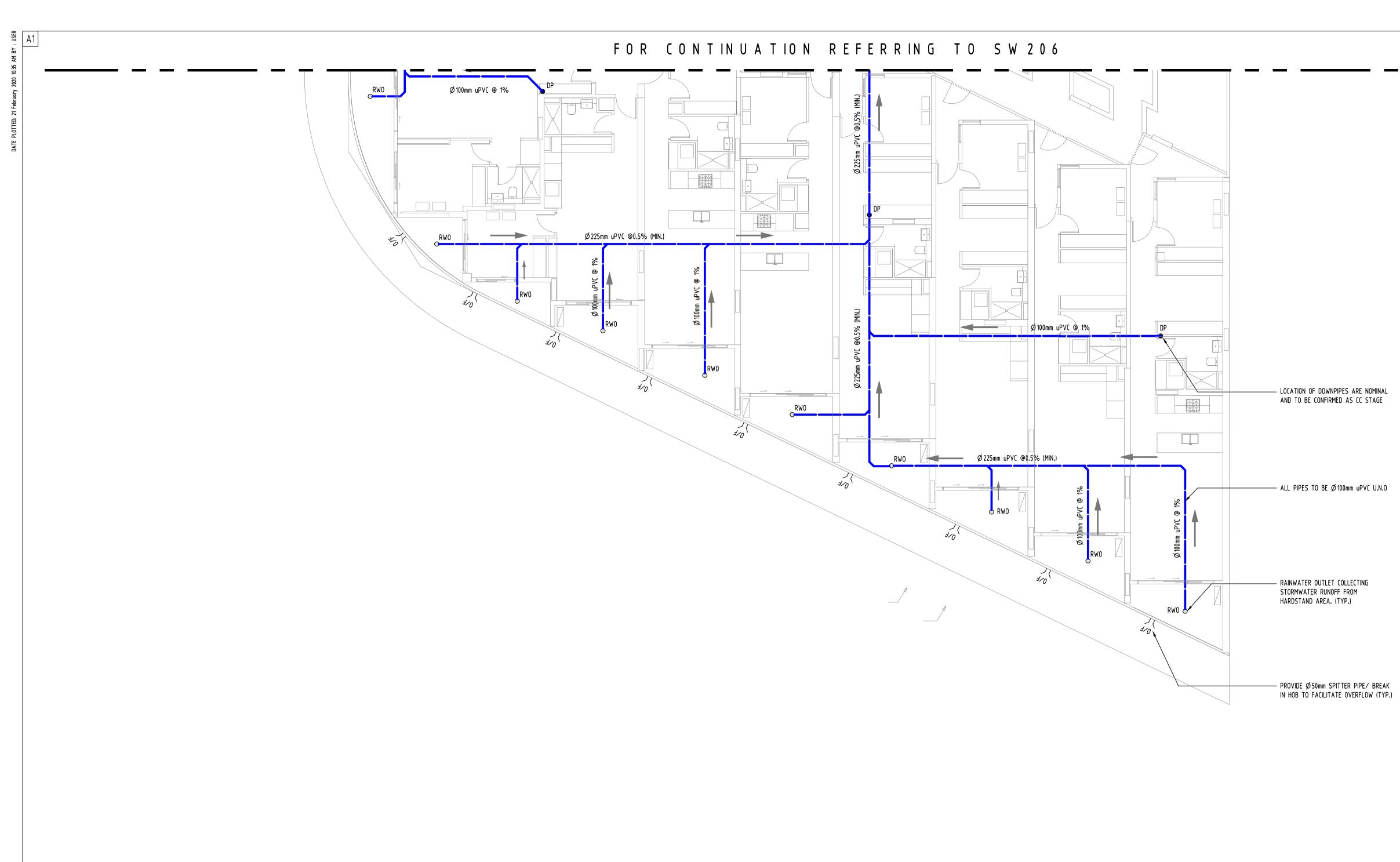


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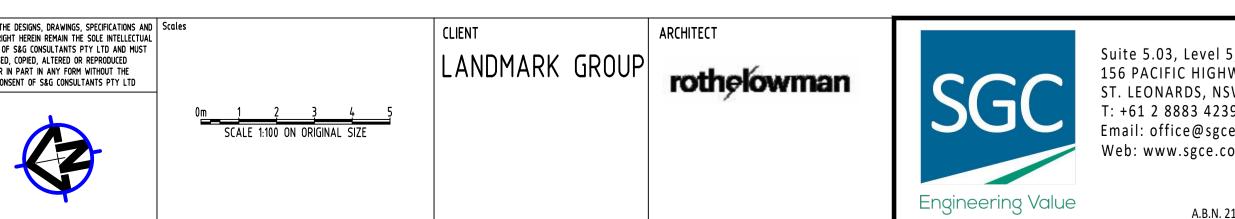


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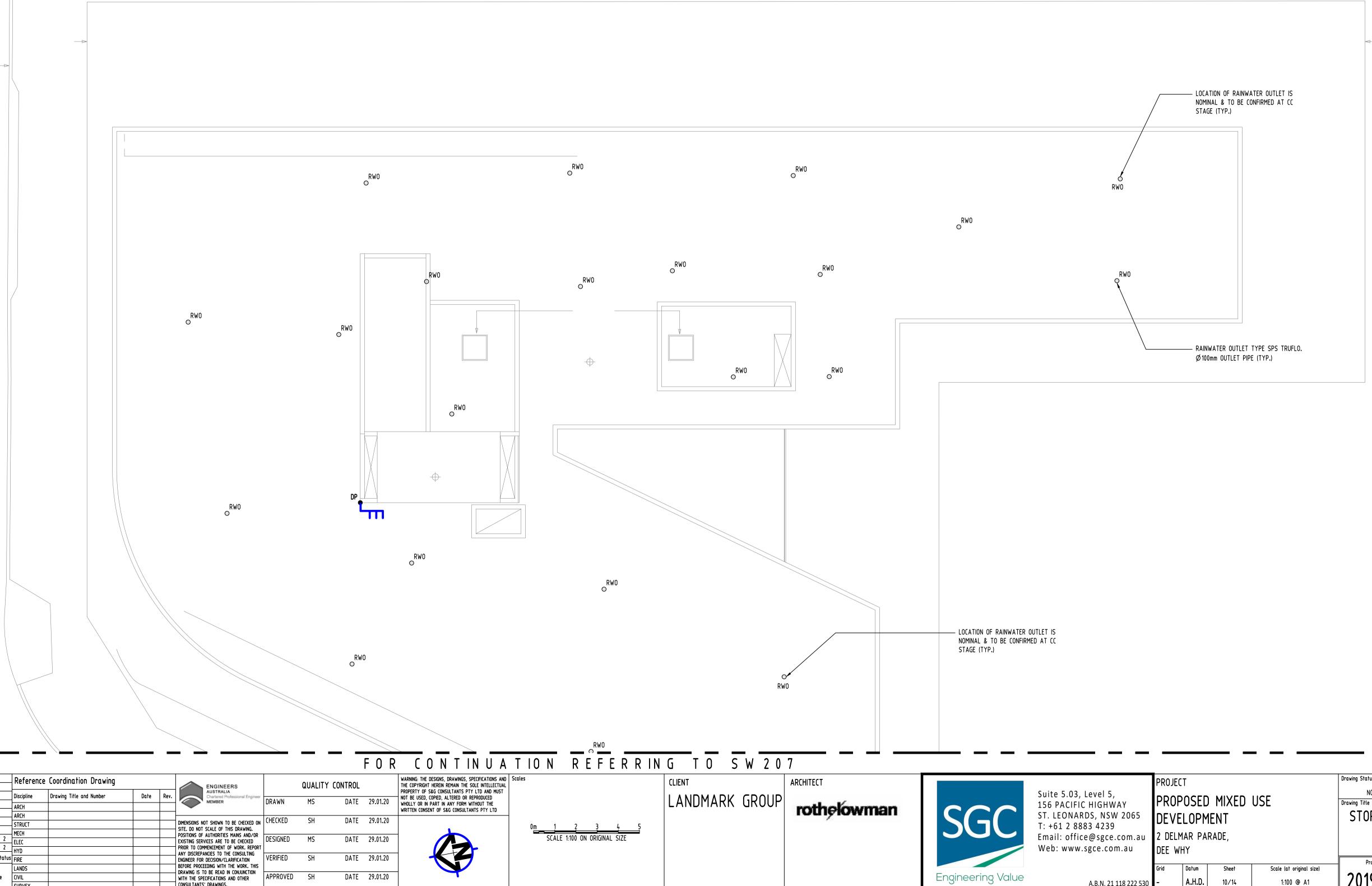
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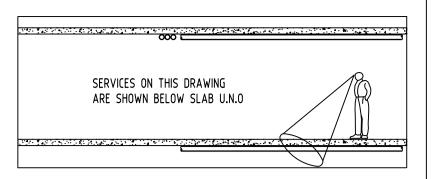
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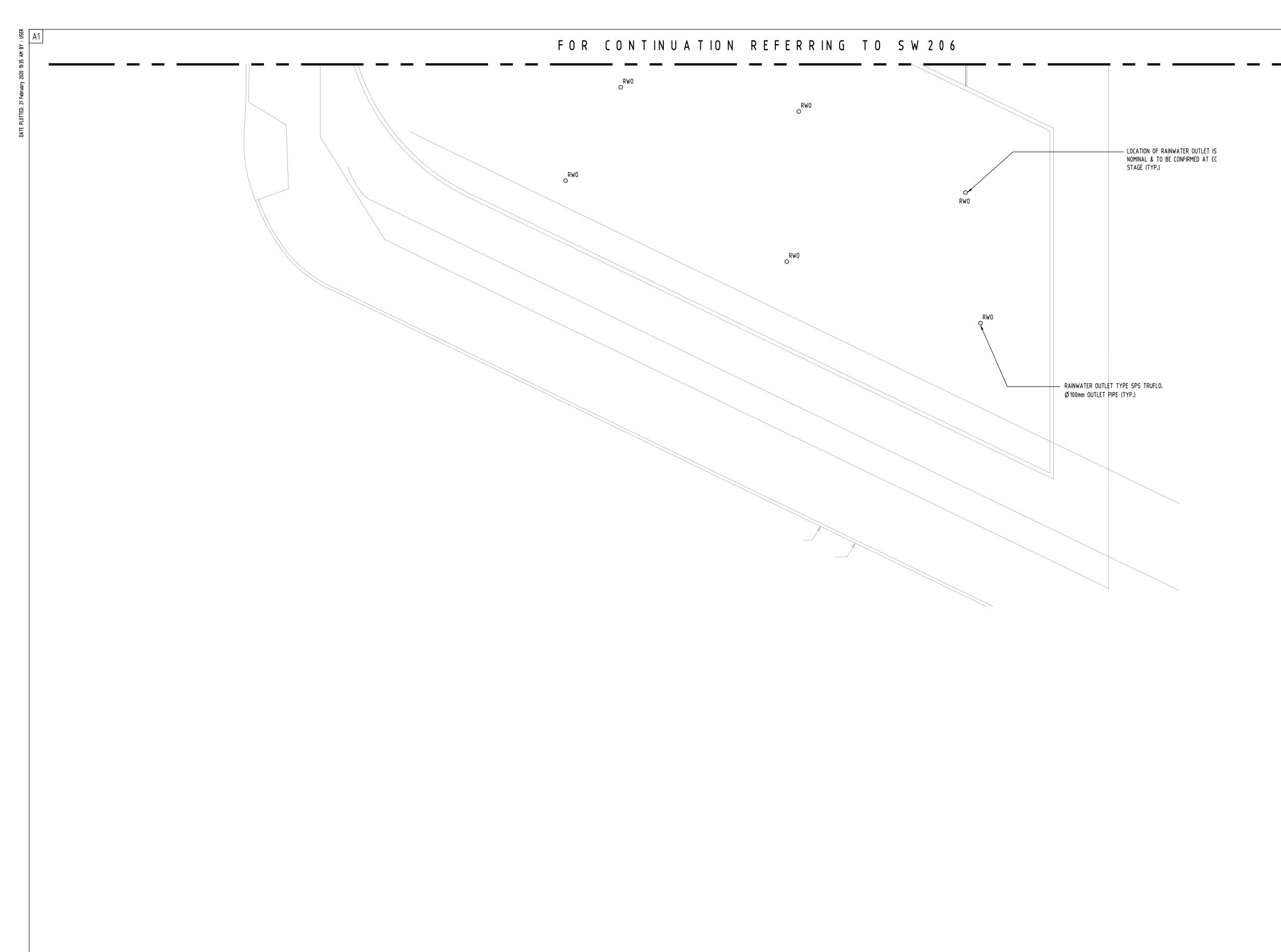


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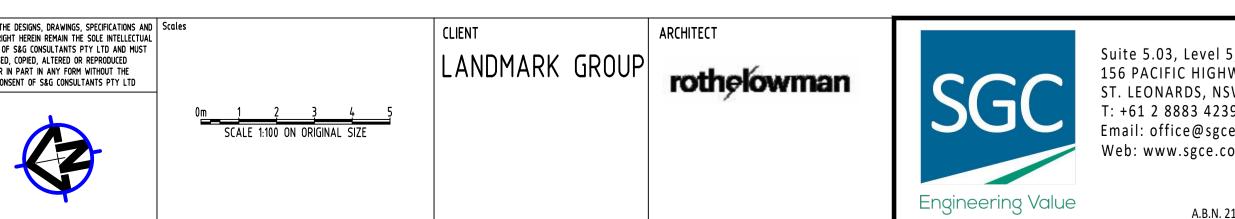


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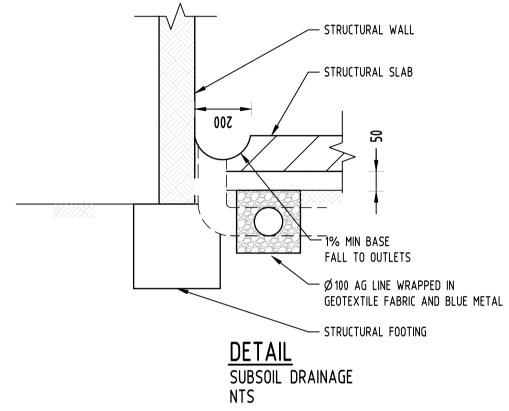


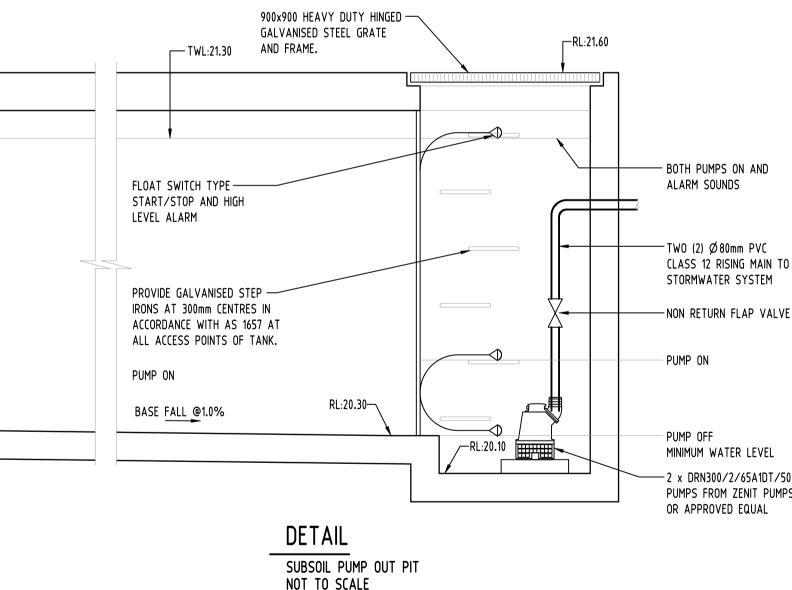
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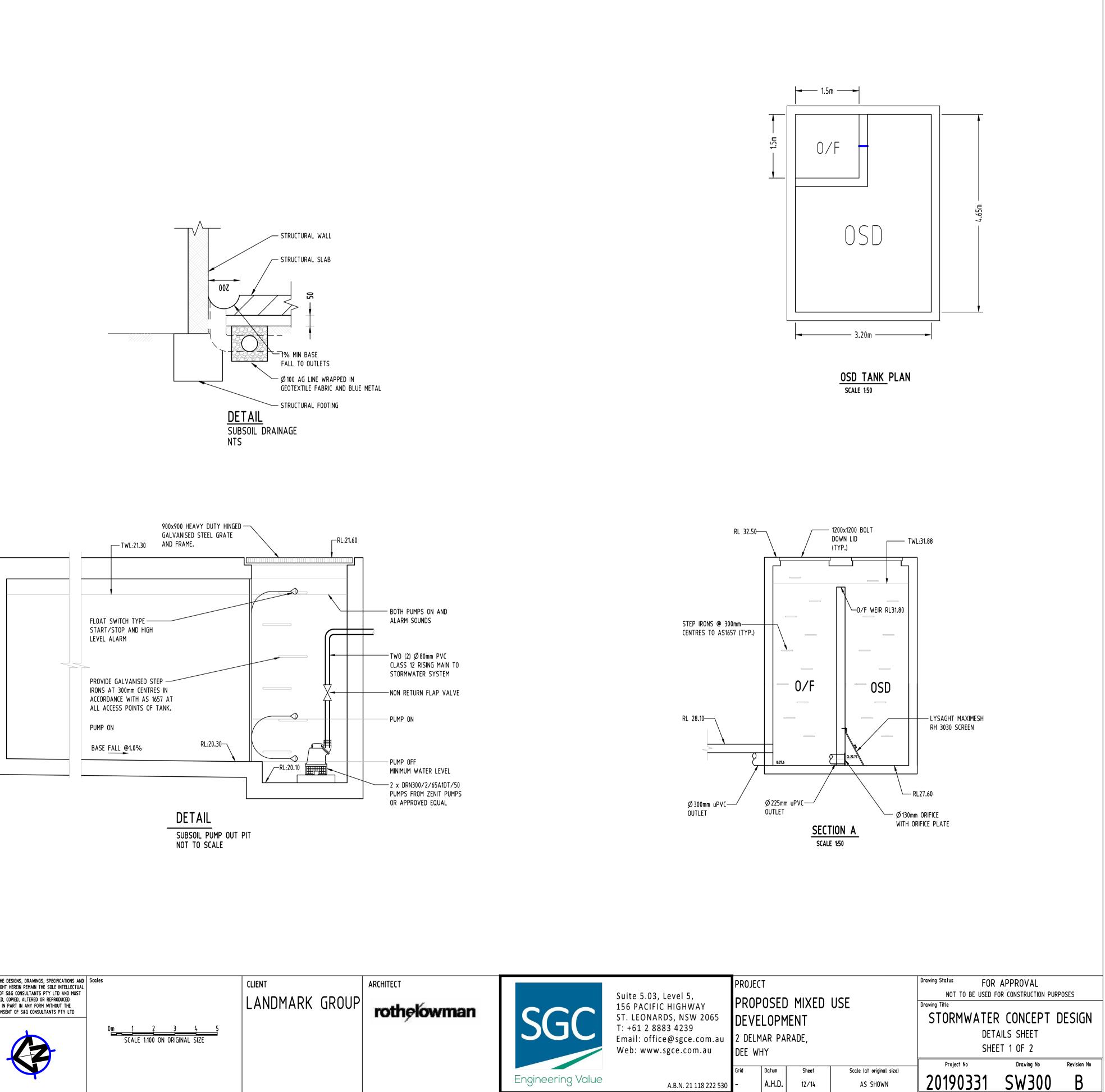
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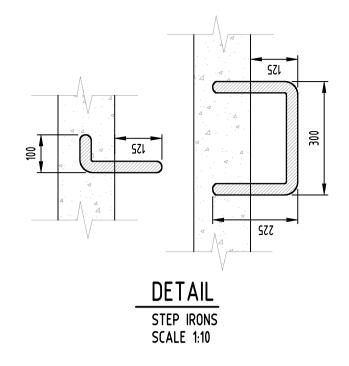
	STORMWATER LINE
RW	CHARGED LINE TO RAINWATER TANK
GTD	GRATED DRAIN
SSD	SUBSOIL LINE
SWRM SWRM	STORMWATER RISING MAIN
S	AUTHORITY SEWER LINE
W	AUTHORITY WATER LINE
TEL	AUTHORITY COMMS LINE
	GSIP 450x450
	GSIP 600x600
	GSIP 900x900
$\bigcirc$	DROP PIPE
● <sup>DP</sup>	DOWN PIPE
© <sup>CO</sup>	CLEAR OUT
© <sup>RWO</sup>	RAIN WATER OUTLET
O <sup>SWRM</sup>	STORMWATER RISING MAIN
FFL	FINISH FLOOR LEVEL
O RDP	RAIN WATER DOWNPIPE
OFP	OVERLAND FLOW PATH
	JUNCTION PIT
© PD	PLANTER DRAIN
	FLASHING LIGHT

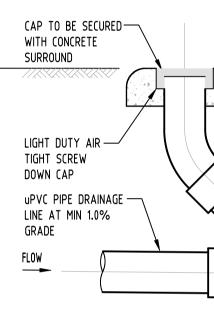
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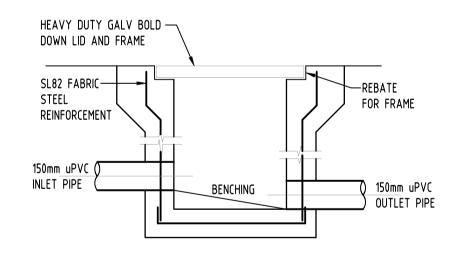


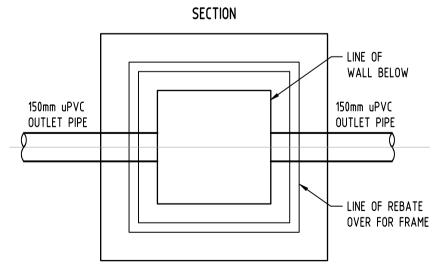










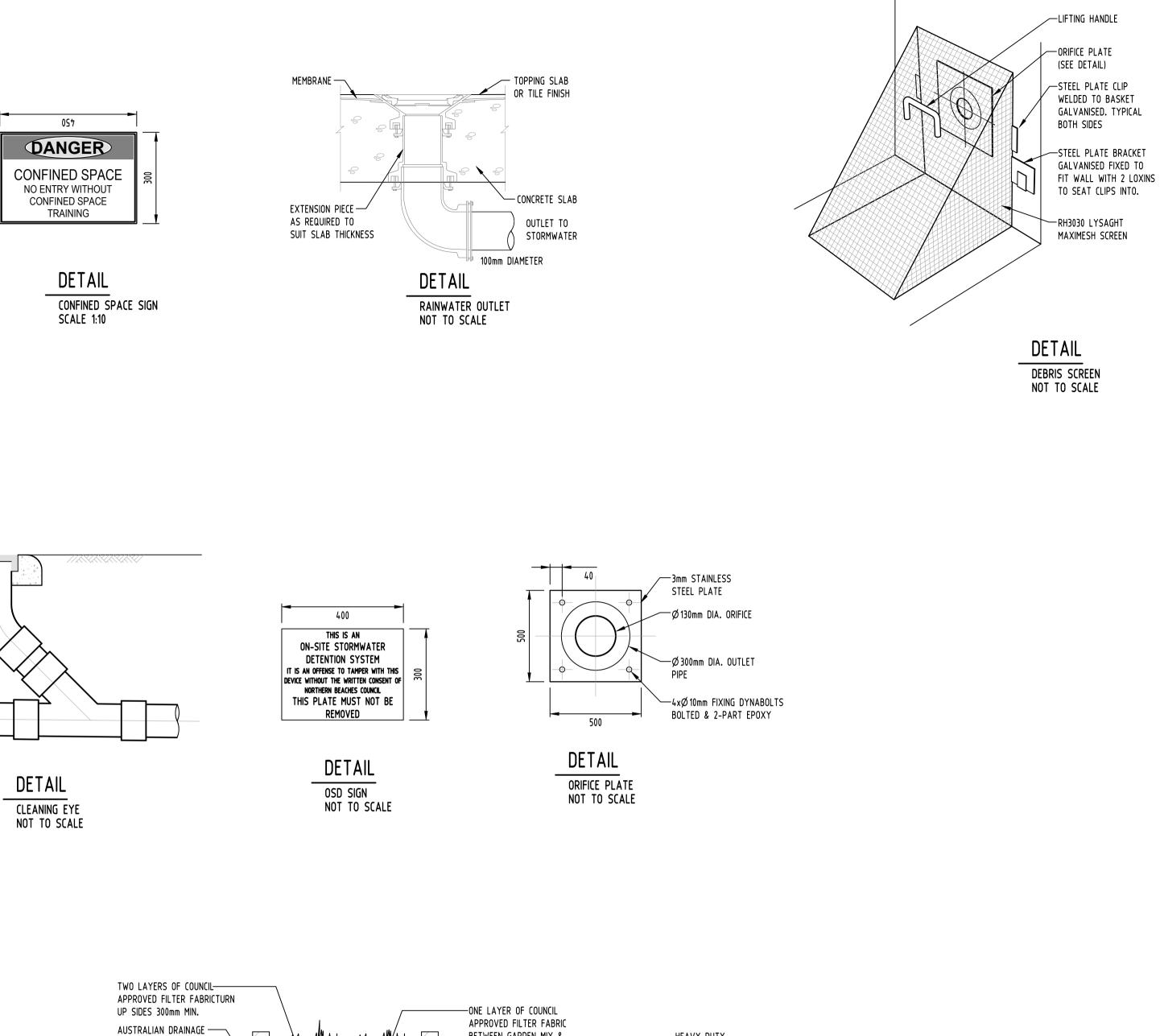


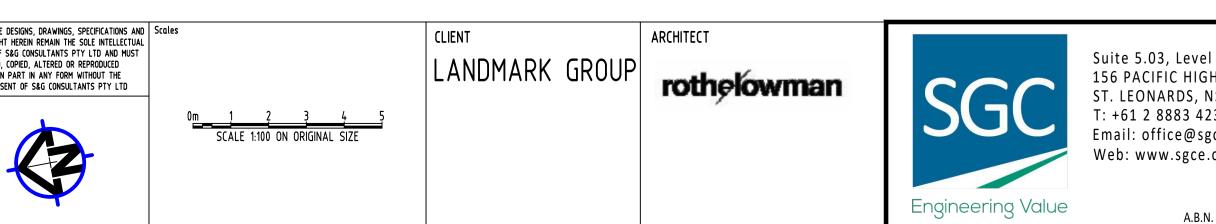
PLAN WITHOUT LID

DETAIL STORMWATER PIT NOT TO SCALE

					Referenc	e Coordination Drawing					QUALITY	CONTROL		WARNING: THE DESIGN THE COPYRIGHT HERE
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BETWEEN GARDEN MIX &

-MIN. 200mm GRANULAR FILL

AT BASE OF PLANTER BOX

SPS TRUE FLO FLAT GRATE

MODEL No. TIA\*F2 WITH

MEMBRANE CLAMP, BODY

-OUTLET - PIPE SIZE AS

SPECIFIED ON PLANS

CAST INTO SLAB (PD)

GRANULAR FILL

— GARDEN MIX

HEAVY DUTY —

MINIMUM 1% GRADE BASE FALL TO OUTLET

GALVANISED

STEEL GRATE

from Muhrom Mahroof

-

DETAIL

PLANTER DRAIN NOT TO SCALE

MODULES (OR EQUAL)

WITH GEOFABRIC LAID

OVER & DRAIN LAID ON

THE BASE OF PLANTER

BOX ON BENCHING WITH

WATERPROOF MEMBRANE -

REFER TO ARCHITECTS

DRAWINGS FOR DETAILS

CONCRETE BENCHING-

SPS BD50/65 CAST IRON ROOF----DRAIN WITH MEMBRANE CLAMP. PIPE & BODY CAST INTO SLAB

FALLS

(SPD)

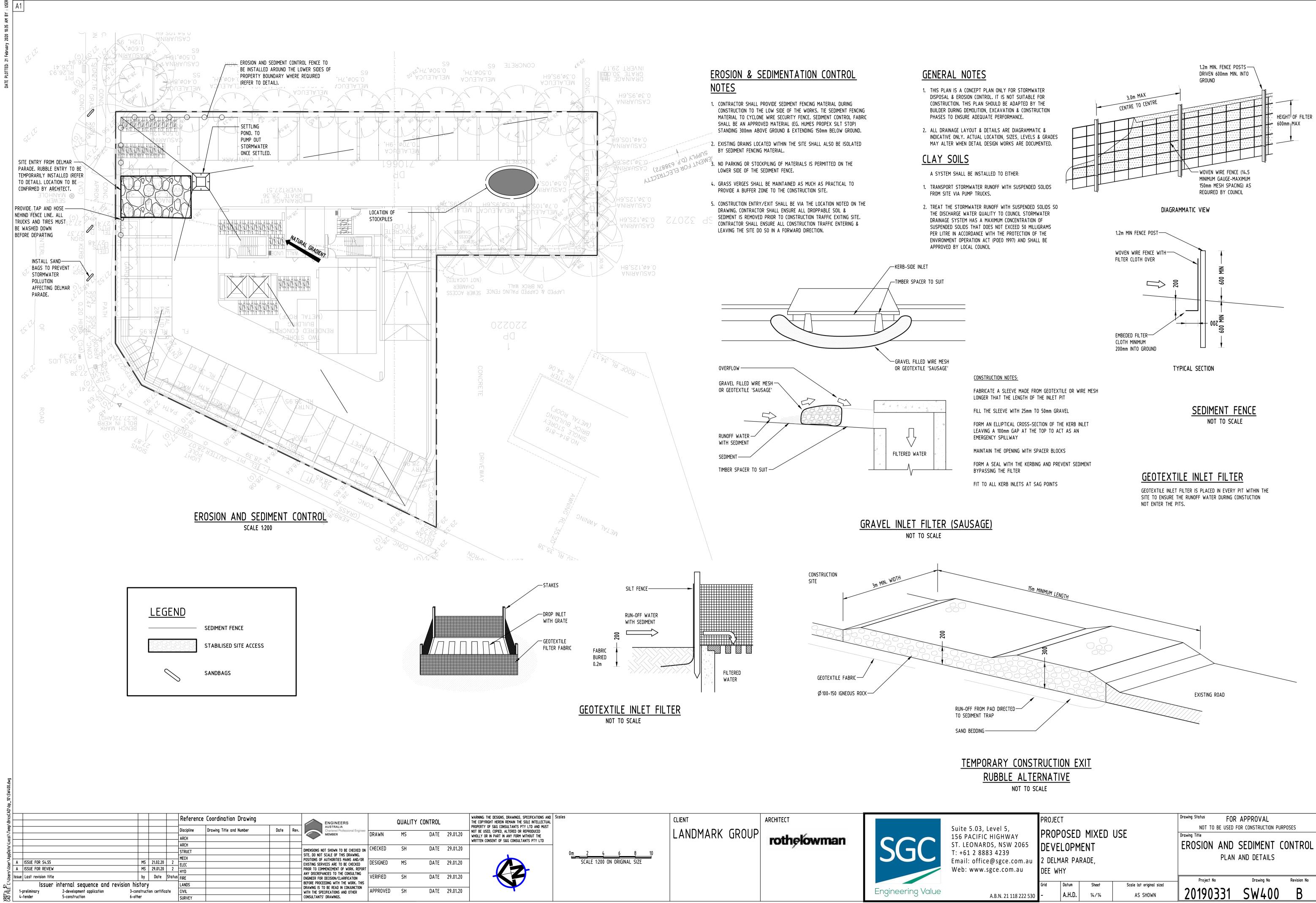
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DETAIL

GRATED TRENCH DRAIN NOT TO SCALE

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		ARCH STRUCT		DIMENSIONS NOT SHOWN TO BE CHECKED O SITE. DO NOT SCALE OF THIS DRAWING.		SH	DATE	29.01.20	0 <u>m_2_4_6_8_1</u> 0		Today townian	$S(\neg ($	ST. LEONARDS, T: +61 2 8883 4
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