

PROPOSED MIXED USE DEVELOPMENT

1-1a, 3 MARSDEN STREET & 2 MARK STREET, LIDCOMBE

STORMWATER CONCEPT DESIGN



LOCALITY PLAN
NOT TO SCALE
COPYRIGHT OF SIX MAPS, VERSION

DRAWINGS LIST			
SHEET No.	DWG No.	TITLE	REV
1	SW100	COVER SHEET	B
2	SW200	STORMWATER CONCEPT DESIGN - BASEMENT 3 PLAN	B
3	SW201	STORMWATER CONCEPT DESIGN - GROUND FLOOR PLAN	B
4	SW202	STORMWATER CONCEPT DESIGN - ROOF PLAN	B
5	SW300	STORMWATER CONCEPT DESIGN - DETAILS SHEET - SHEET 1 OF 2	B
6	SW301	STORMWATER CONCEPT DESIGN - DETAILS SHEET - SHEET 2 OF 2	B
7	SW400	EROSION AND SEDIMENT CONTROL - PLAN AND DETAILS	B



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

ARCHITECT:



CLIENT:

ROLZ GROUP PTY LTD

PUMP STORAGE DESIGN NOTES:

(CUMBERLAND COUNCIL)
PUMP-OUT SYSTEM CALCULATIONS:
UNCOVERED RAMP AREA DRAINING
INTO BASEMENT PUMP-OUT
AREA = 55.9m²
 $I_{100}^{100} = 55\text{mm/hr}$
 $I_{100}^{100} = 16.3\text{mm/hr}$

BELOW GROUND STORAGE:
 $V_1 = 55.9 \times 55 \times 1.5 / 1000 = 4.61\text{m}^3$

ABOVE GROUND STORAGE:
 $V_2 = 55.9 \times 16.3 \times 12 / 1000 = 10.93\text{m}^3$
 $V_3 = V_2 - V_1 = 10.93 - 4.61 = 6.32\text{m}^3$

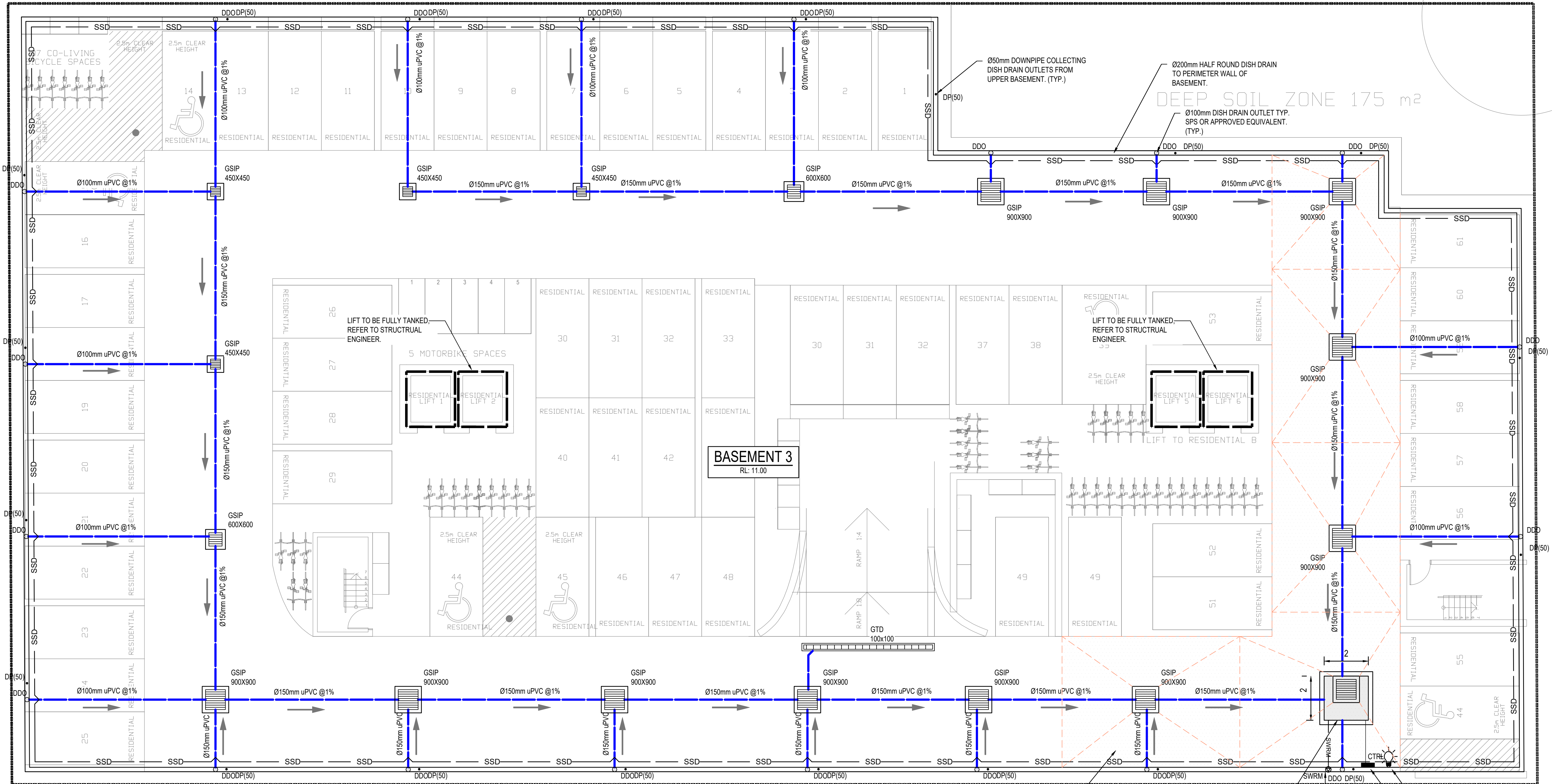
5x AREAS OF ABOVE GROUND AREAS
HAVE BEEN PROVIDED WITH A TOTAL
AREA OF 215m² AND 100mm DEEP WATER
AT THE LOWEST END OVER THE GRATES.
VOLUME ACHIEVED IS 215x0.1/3 = 7.17m³

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.
 - PUMP-OUT 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
 - INSTALL 2x DRN 300/2/65 A1DT/50 FROM ZENIT WATER SOLUTIONS OR SIMILAR 3 PHASE PUMPS WITH 10L/s OUTFLOW FOR 17m HEAD
- ### GRADING NOTE:
- SLAB TO BE GRADED TO RWOS & GSIPs AT 1% GRADE MINIMUM TO AS 2890 REQUIREMENTS.
- ### GEO-TECHNICAL NOTE:
- BASEMENT DRAINAGE DESIGN SUBJECT TO GEOTECHNICAL INVESTIGATION (INCLUDING WATER TABLE AND SEEPAGE RATE) AND STRUCTURAL DESIGN OF WALLS AND SLABS.

PUMP NOTE

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



ABOVE GROUND STORAGE
AREA 215m²
MAX. PONDING DEPTH 100mm
VOLUME REQUIRED 6.32m³
VOLUME PROVIDED 7.17m³

BASEMENT PUMP OUT PIT:
RL: 10.90
TWL: 10.60
IL: 8.60
HEIGHT: 2.0m
AREA: 4.0m²
VOLUME REQUIRED: 4.11m³
VOLUME PROVIDED: 8.00m³

INSTALL WARNING FLASH LIGHT TO
PROVIDE INDICATION OF PUMP
FAILURE.

PUMP OUT PIT CONTROL BOX.
TO MANUFACTURERS
SPECIFICATIONS.

STORMWATER RISING MAIN
CONNECTING TO OSD HIGH
EARLY DISCHARGE CHAMBER
ON GROUND FLOOR LEVEL.

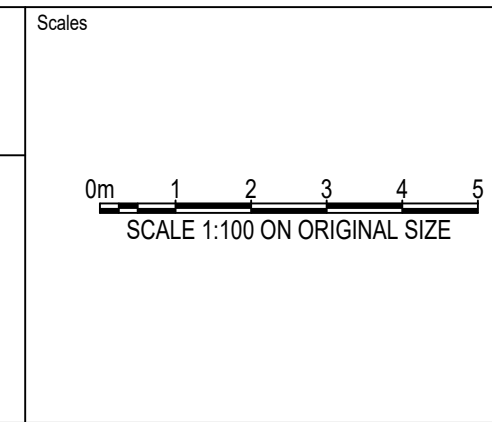
SERVICES ON THIS DRAWING ARE SHOWN BELOW SLAB U.N.C

Reference Coordination Drawing				
	Discipline	Drawing Title and Number	Date	Rev.
B	ARCH	REVISED DA ISSUE - RESPONSE TO COUNCIL RFI	SH 13.10.22	2
A	STRUCT	ISSUE FOR DA SUBMISSION	JP 19.02.22	2
P3	MECH	PRELIMINARY ISSUE	JP 14.02.22	1
P2	ELEC	PRELIMINARY ISSUE	JP 03.12.21	1
P1	HYD	PRELIMINARY ISSUE	ZW 10.12.20	1
Issue Last revision title by Date Status				
Issuer internal sequence and revision history				
1 - Preliminary	2 - Development application	3 - Construction Certificate		
4 - Tender	5 - Construction	6 - Other		

	ENGINEERS AUSTRALIA	
	Chartered Professional Engineer MEMBER	

QUALITY CONTROL			
DRAWN	JP	DATE	14.02.22
CHECKED	MS	DATE	03.12.21
DESIGNED	JP	DATE	14.02.22
VERIFIED	SH	DATE	03.12.21
APPROVED	SH	DATE	03.12.21

WARNING: THE DESIGNS, DRAWINGS, SPECIFICATIONS AND THE COPYRIGHT HEREIN REMAIN THE SOLE INTELLECTUAL PROPERTY OF SGC CONSULTANTS PTY LTD AND MUST NOT BE USED, COPIED, ALTERED OR REPRODUCED WHOLLY OR IN PART IN ANY FORM WITHOUT THE WRITTEN CONSENT OF SGC CONSULTANTS PTY LTD



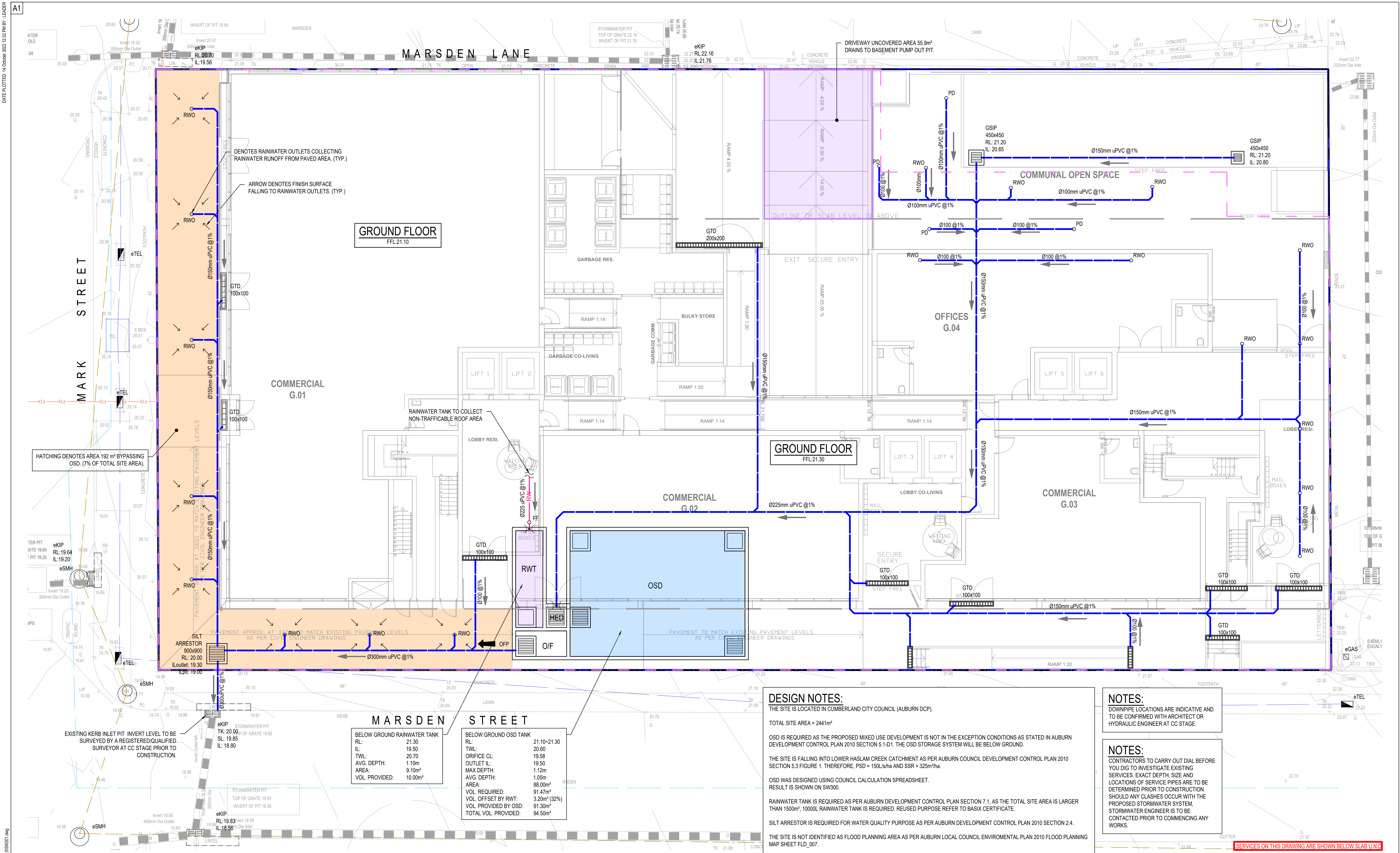
CLIENT
ROLZ GROUP PTY. LTD.

ARCHITECT
URBAN LINK
Business Address: Level 10, 11-15 Deane Street, Burwood NSW 2134
Postal Address: PO BOX 2222 Burwood North NSW 2134
Phone Number: +61 2 8746 2244

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
A.B.N. 21 118 222 530

PROJECT PROPOSED MIXED USE DEVELOPMENT 1-1a, 3 MARSDEN STREET & 2 MARK STREET LIDCOMBE		Drawing Status FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION PURPOSES Drawing Title STORMWATER CONCEPT DESIGN BASEMENT 3 PLAN	
Grid	Datum	Sheet	Scale (at original size)
-	A.H.D.	2 OF 7	1:100 @ A1
Project No 20200322 SW200		Drawing No B	Revision No

A1

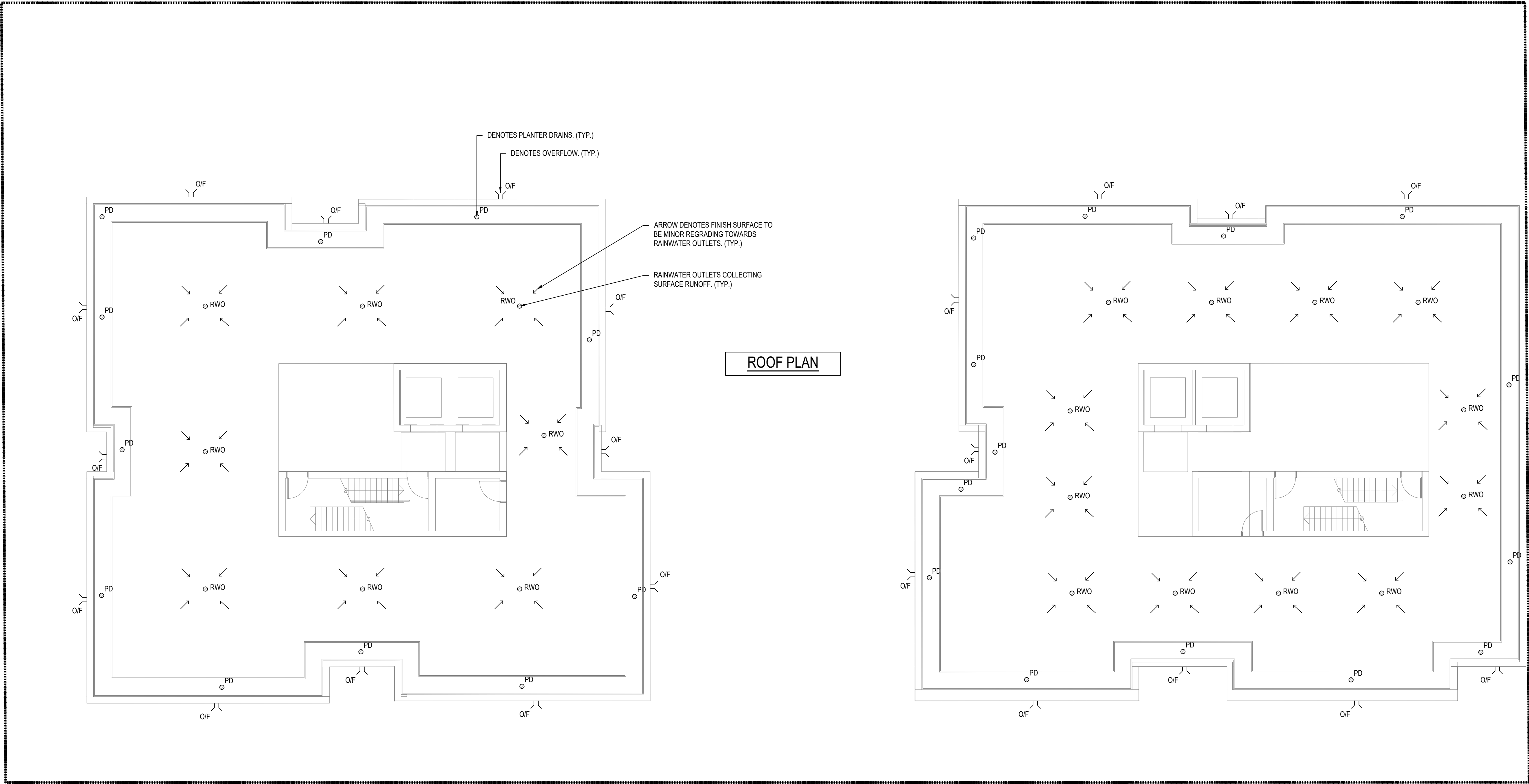


Reference Coordination Drawing				QUALITY CONTROL		WARNING: THE DESIGNS, DRAWINGS, SPECIFICATIONS AND THE COPYRIGHT HEREIN REMAIN THE SOLE INTELLECTUAL PROPERTY OF SGC CONSULTANTS PTY LTD AND MUST NOT BE USED, COPIED, ALTERED OR REPRODUCED WHOLLY OR IN PART IN ANY FORM WITHOUT THE WRITTEN CONSENT OF SGC CONSULTANTS PTY LTD		CLIENT		ARCHITECT		PROJECT		Drawing Status	
Discipline	Drawing Title and Number	Date	Rev.	DRAWN	DATE	CHECKED	DATE	ROLZ GROUP PTY. LTD.	URBANLINK	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	PROPOSED MIXED USE DEVELOPMENT	FOR APPROVAL			
ARCH	13.10.22	2	ARCH	JP	14.02.22	MS	03.12.21				1-1a, 3 MARSDEN STREET & 2 MARK STREET LIDCOMBE	NOT TO BE USED FOR CONSTRUCTION PURPOSES			
STRUCT	19.02.22	2	STRUCT	JP	14.02.22	JP	03.12.21					STORMWATER CONCEPT DESIGN			
MECH	14.02.22	1	MECH	JP	14.02.22	SH	03.12.21					GROUND FLOOR PLAN			
ELEC	03.12.21	1	ELEC	JP	14.02.22	SH	03.12.21								
HVD	10.12.20	1	HVD	JP	14.02.22	SH	03.12.21								
FIRE	10.12.20	1	FIRE	JP	14.02.22	SH	03.12.21								
LANDS			LANDS												
CIVIL			CIVIL												
SURVEY			SURVEY												

Issuer internal sequence and revision history			
Issue	Last revision title	by	Date
1 - Preliminary	2 - Development application	3 - Construction Certificate	6 - Other

Grid	Datum	Sheet	Scale (at original size)
A.H.D.	3 of 7	1:100 @ A1	

Project No	Drawing No	Revision No
20200322 SW201	B	



SERVICES ON THIS DRAWING ARE SHOWN BELOW SLAB U.N.C

Reference Coordination Drawing				Discipline		Drawing Title and Number		Date	Rev.
B	REVISED DA ISSUE - RESPONSE TO COUNCIL RFI	SH	13.10.22	2	ARCH				
A	ISSUE FOR DA SUBMISSION	JP	19.02.22	2	STRUCT				
P3	PRELIMINARY ISSUE	JP	14.02.22	1	MECH				
P2	PRELIMINARY ISSUE	JP	03.12.21	1	ELEC				
P1	PRELIMINARY ISSUE	ZW	10.12.20	1	HYD				
Issue Last revision title				by	Date	Status			
Issuer internal sequence and revision history									
1 - Preliminary		2 - Development application		3 - Construction Certificate		6 - Other			
4 - Tender		5 - Construction							




ENGINEERS AUSTRALIA
Chartered Professional Engineer
MEMBER

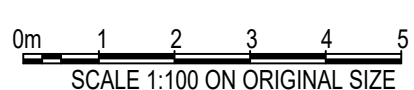
DIMENSIONS NOT SHOWN TO BE CHECKED ON SITE. DO NOT SCALE OF THIS DRAWING. POSITIONS OF AUTHORITIES MANS AND/OR EXISTING SERVICES ARE TO BE CHECKED PRIOR TO COMMENCEMENT OF WORK. REPORT ANY DISCREPANCIES TO THE CONSULTING ENGINEER FOR DECISION/VERIFICATION BEFORE PROCEEDING WITH THE WORK. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE SPECIFICATIONS AND OTHER CONSULTANTS' DRAWINGS.

QUALITY CONTROL			
DRAWN	JP	DATE	14.02.22
CHECKED	MS	DATE	03.12.21
DESIGNED	JP	DATE	14.02.22
VERIFIED	SH	DATE	03.12.21
APPROVED	SH	DATE	03.12.21

WARNING: THE DESIGNS, DRAWINGS, SPECIFICATIONS AND THE COPYRIGHT HEREIN REMAIN THE SOLE INTELLECTUAL PROPERTY OF SGC CONSULTANTS PTY LTD AND MUST NOT BE USED, COPIED, ALTERED OR REPRODUCED WHOLLY OR IN PART IN ANY FORM WITHOUT THE WRITTEN CONSENT OF SGC CONSULTANTS PTY LTD



Scales



SCALE 1:100 ON ORIGINAL SIZE

CLIENT
ROLZ GROUP PTY. LTD.

ARCHITECT



URBAN LINK
Business Address: Level 10, 11-15 Deane Street, Bondi NSW 2154
Postal Address: PO BOX 2222 Bondi NSW 2154
Phone Number: +61 2 9142 2014



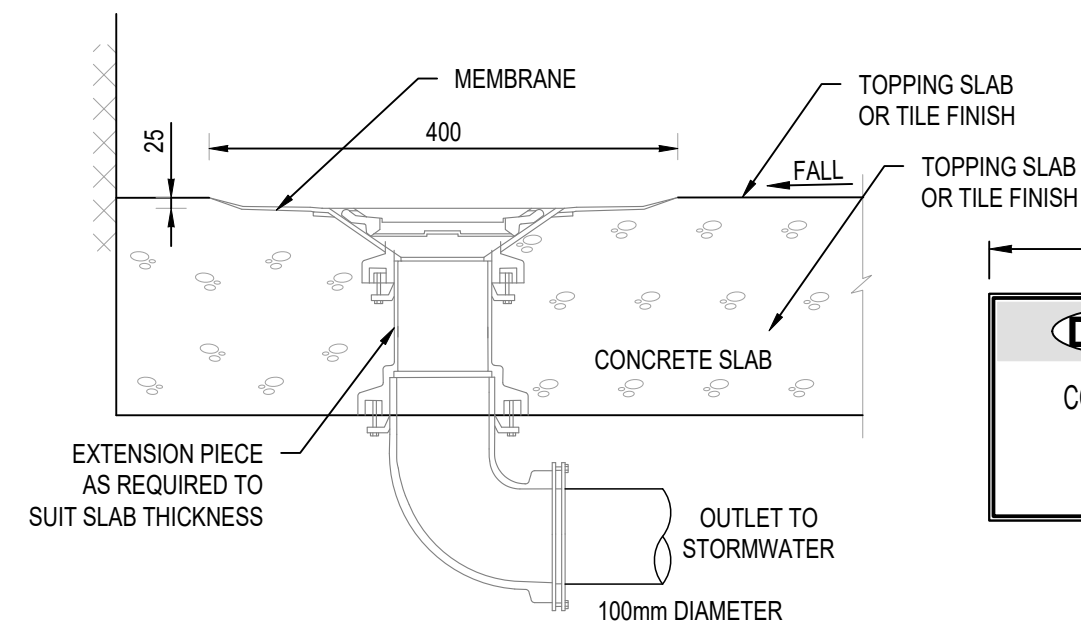
Suite 5.03, Level 5,
156 PACIFIC HIGHWAY
ST. LEONARDS, NSW 2065
T: +61 2 8883 4239
Email: office@sgce.com.au
Web: www.sgce.com.au

A.B.N. 21 118 222 530

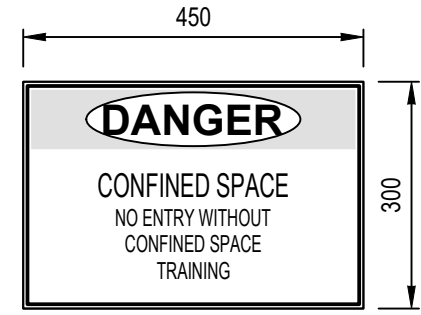
PROJECT
PROPOSED MIXED USE DEVELOPMENT
1-1a, 3 MARSDEN STREET & 2 MARK STREET
LIDCOMBE

Grid	Datum	Sheet	Scale (at original size)
-	A.H.D.	4 of 7	1:100 @ A1

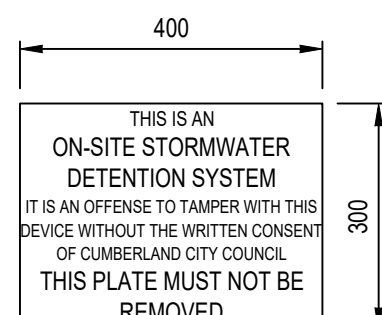
Drawing Status	FOR APPROVAL	
Drawing Title	NOT TO BE USED FOR CONSTRUCTION PURPOSES	
Project No	Drawing No	Revision No
20200322	SW202	B



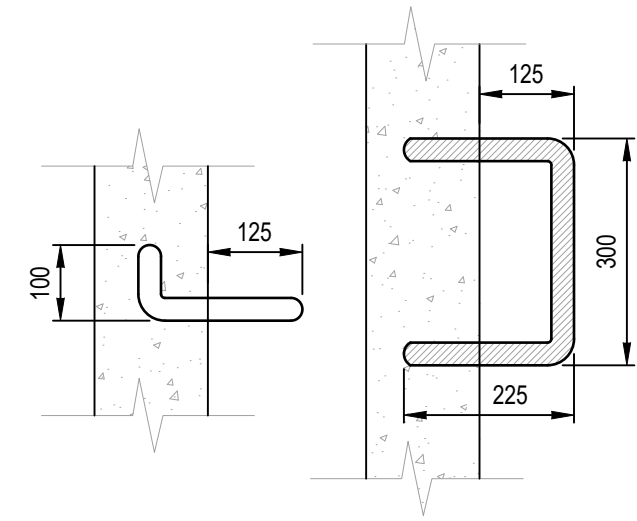
1
-
DETAIL
RAINWATER OUTLET
NOT TO SCALE



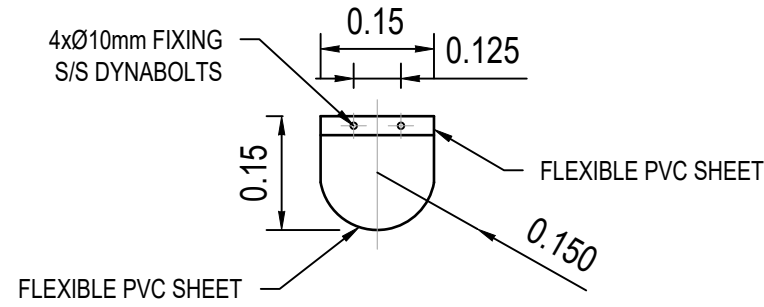
2
-
DETAIL
CONFINED SPACE SIGN
SCALE 1:10



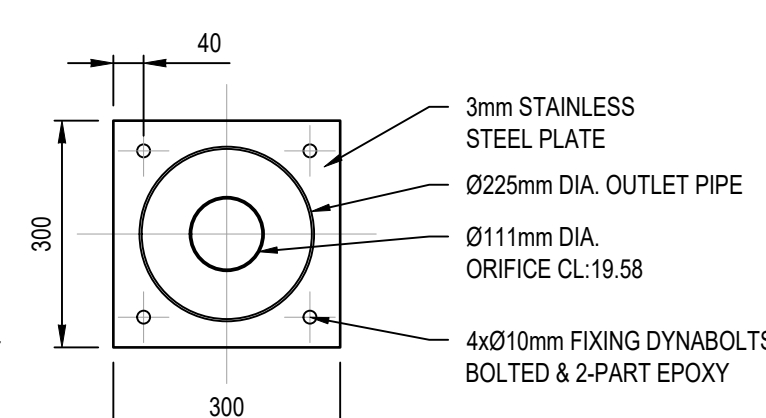
3
-
DETAIL
OSD SIGN
SCALE 1:10



4
-
DETAIL
STEP IRONS
SCALE 1:10



5
-
DETAIL
FLAP VALVE
SCALE 1:10

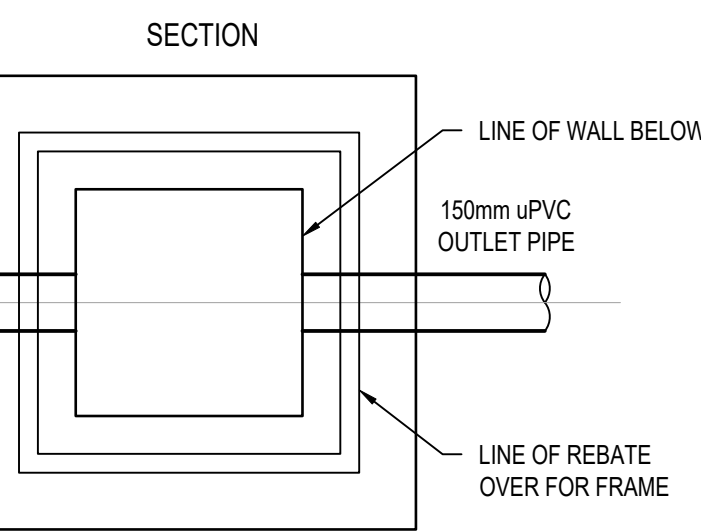
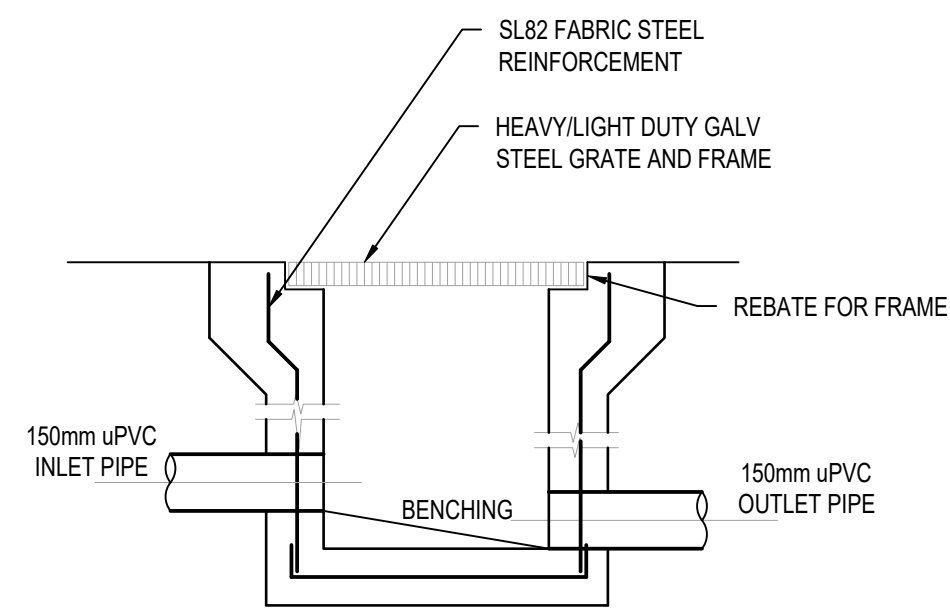


6
-
DETAIL
ORIFICE PLATE
SCALE 1:10



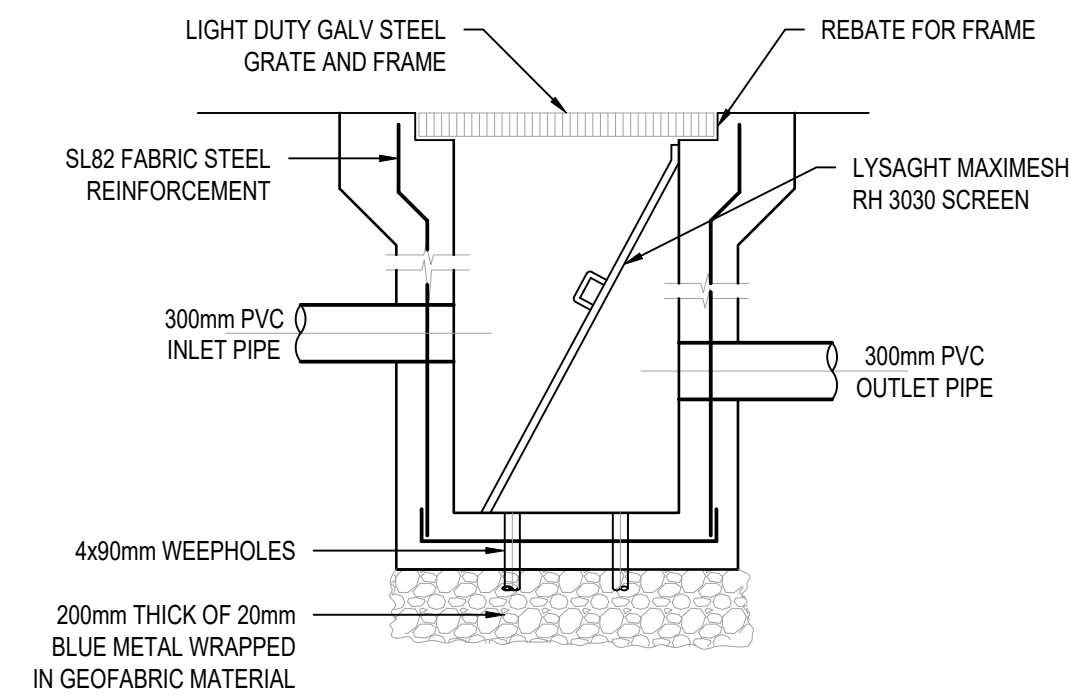
LEGEND:
BACKGROUND IS YELLOW
TEXT IS WHITE ON BLACK
BACKGROUND

7
-
DETAIL
RAINWATER SIGN
SCALE 1:20

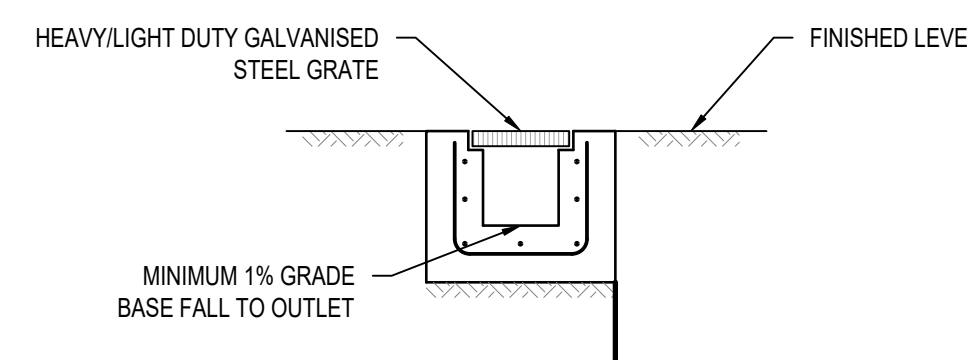


PLAN WITHOUT GRATE

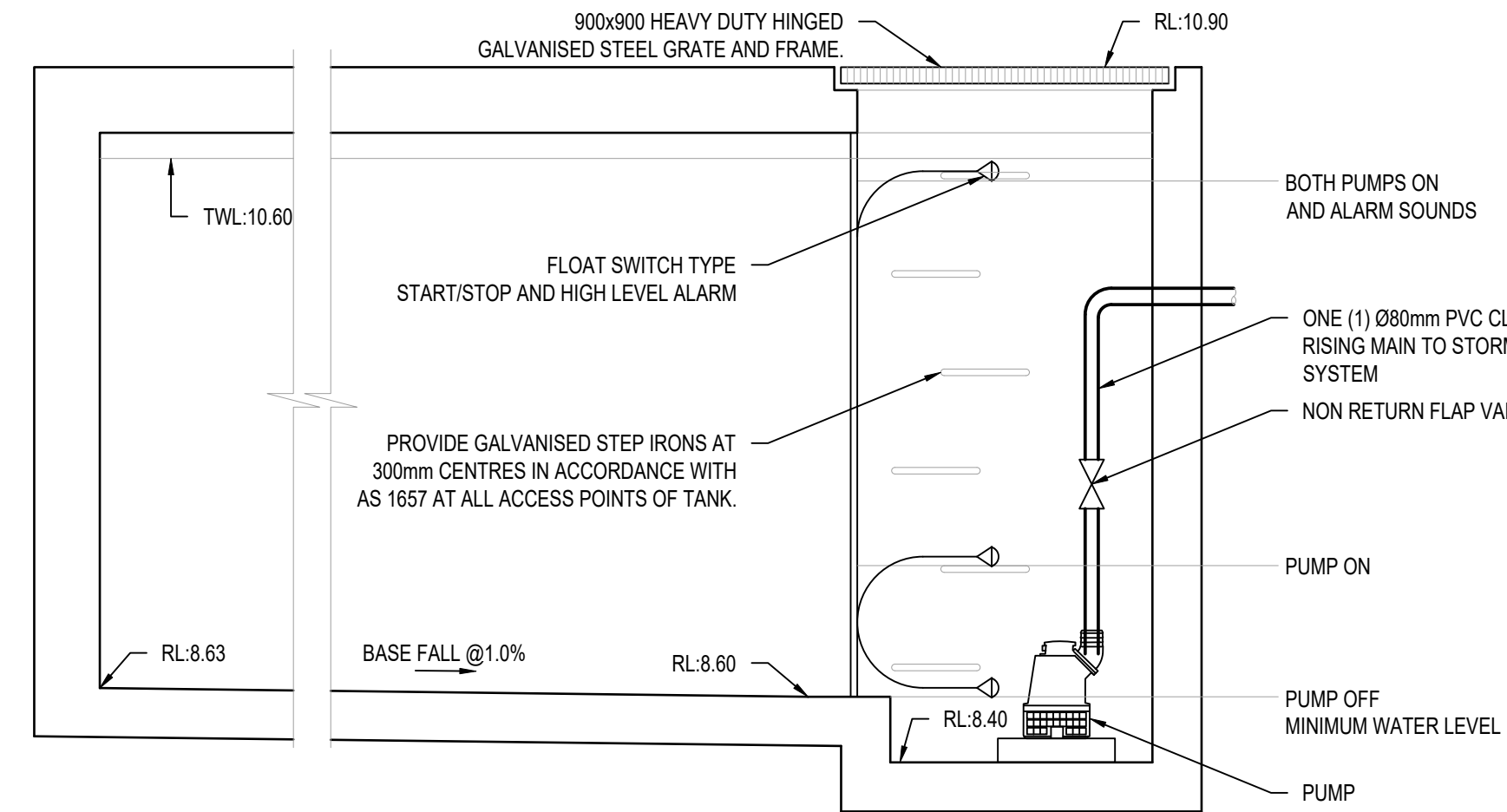
8
-
DETAIL
STORMWATER PIT
SCALE 1:20



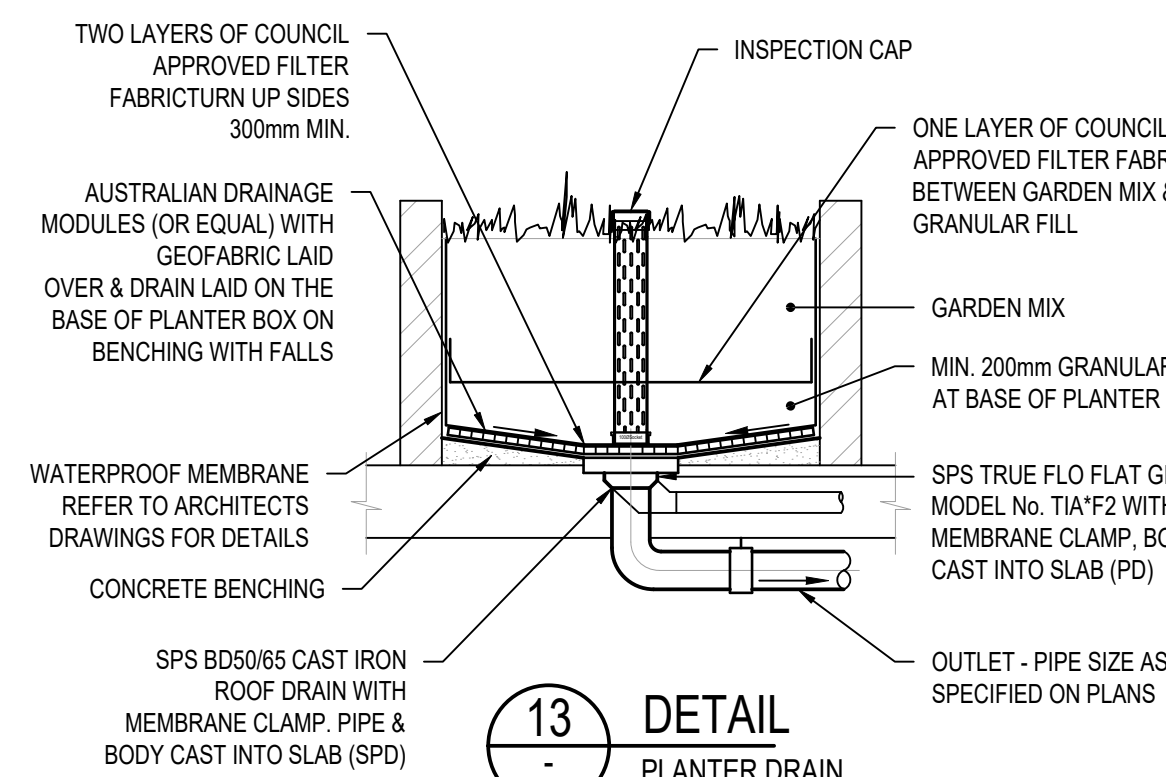
9
-
DETAIL
SEDIMENT/SILT ARRESTER
SCALE 1:20



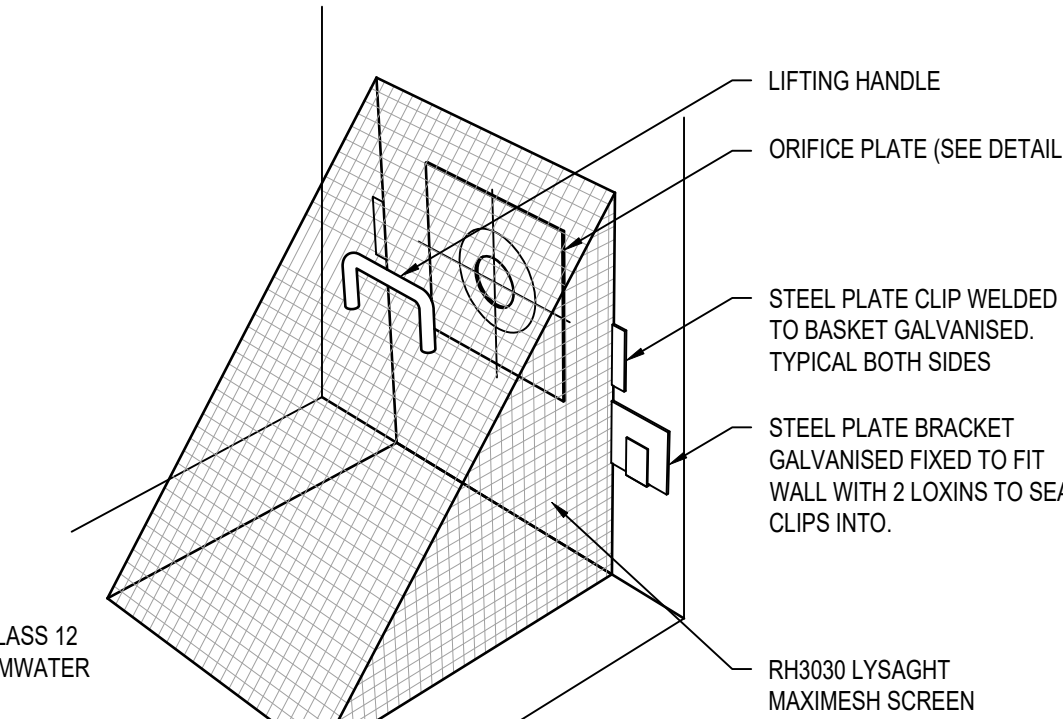
10
-
DETAIL
GRATED TRENCH DRAIN
SCALE 1:20



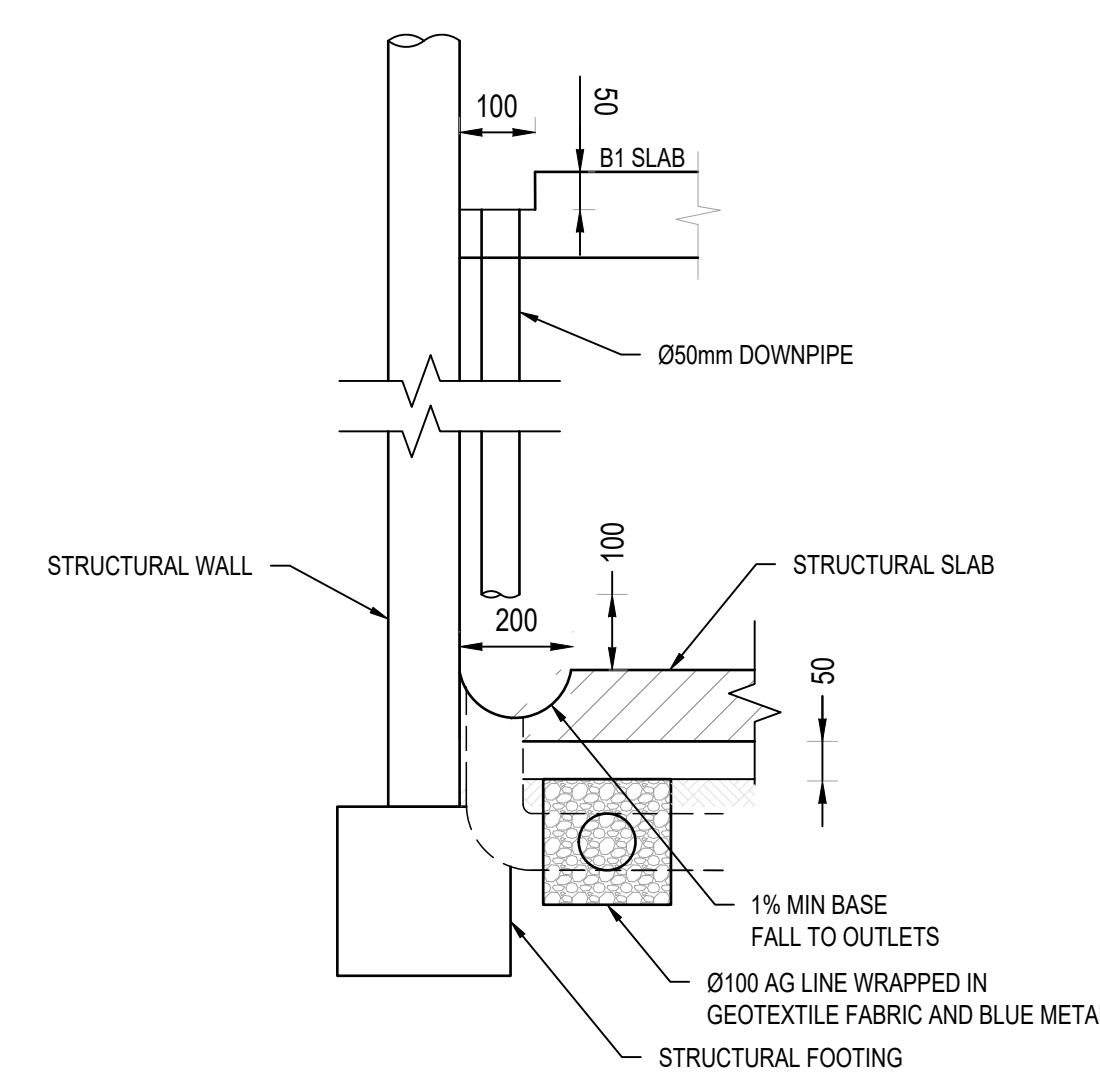
11
-
SUBSOIL PUMP OUT PIT
SCALE 1:20



13
-
DETAIL
PLANTER DRAIN
SCALE 1:20



12
-
DETAIL
DEBRIS SCREEN
NOT TO SCALE



14
-
SUBSOIL DRAINAGE
SCALE 1:10

LEGEND	
	STORMWATER LINE (<Ø375)
	STORMWATER LINE TO RAINWATER TANK
	EXISTING STORMWATER DRAIN
	PROPOSED CONCRETE PIPE (>Ø375)
	SSD
	SWRM
	OF
	S
	W
	G
	E
	TEL
	GRATED SURFACE INLET PIT
	JUNCTION PIT
	KERB INLET PIT (ON GRADE)
	GRATED TRENCH DRAIN
	EXISTING JUNCTION PIT
	EXISTING KERB INLET PIT
	eTEL
	eHYD
	eSV
	eGAS
	ePP
	eSMH
	OFF
	RWO
	CO
	DDO
	PD
	1.01
	RH
	DOWNPIPE DROP
	NON RETURN VALVE
	WALL PENETRATION
	DOWNPIPE
	WARNING LIGHT
	RL00.00
	134.54
	EXISTING SPOT LEVEL
	BENCHMARK

OSD SECTION 1
ON TOP OF B1 LEVEL
SCALE 1:20

Reference Coordination Drawing			
Discipline	Drawing Title and Number	Date	Rev.
ARCH	13.10.22	2	ARCH
ARCH	19.02.22	2	STRUCT
MECH	14.02.22	1	MECH
ELEC	03.12.21	1	ELEC
HYD	10.12.20	1	HYD
FIRE	10.12.20	1	FIRE
LANDS			LANDS
CIVIL			CIVIL
SURVEY			SURVEY

QUALITY CONTROL			
DRAWN	JP	DATE	14.02.22
CHECKED	MS	DATE	03.12.21
DESIGNED	JP	DATE	14.02.22
VERIFIED	SH	DATE	03.12.21
APPROVED	SH	DATE	03.12.21

WARNING: THE DESIGNS, DRAWINGS, SPECIFICATIONS AND THE COPYRIGHT HEREIN REMAIN THE SOLE INTELLECTUAL PROPERTY OF SGC CONSULTANTS PTY LTD AND MUST NOT BE USED, COPIED, ALTERED OR REPRODUCED WHOLLY OR IN PART IN ANY FORM WITHOUT THE WRITTEN CONSENT OF SGC CONSULTANTS PTY LTD	
DIMENSIONS NOT SHOWN TO BE CHECKED ON SITE. DO NOT SCALE OF THIS DRAWING. POSITIONS OF AUTHORITIES MAINS AND/OR EXISTING SERVICES ARE TO BE CHECKED PRIOR TO COMMENCEMENT OF WORK. REPORT ANY DISCREPANCIES TO THE CONSULTING ENGINEER FOR RESOLUTION/VERIFICATION BEFORE PROCEEDING WITH THE WORK. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE SPECIFICATIONS AND OTHER CONSULTANTS' DRAWINGS.	

Scales	
	SCALE 1:10 ON ORIGINAL SIZE
	SCALE 1:20 ON ORIGINAL SIZE

CLIENT	ROLZ GROUP PTY. LTD.
--------	----------------------

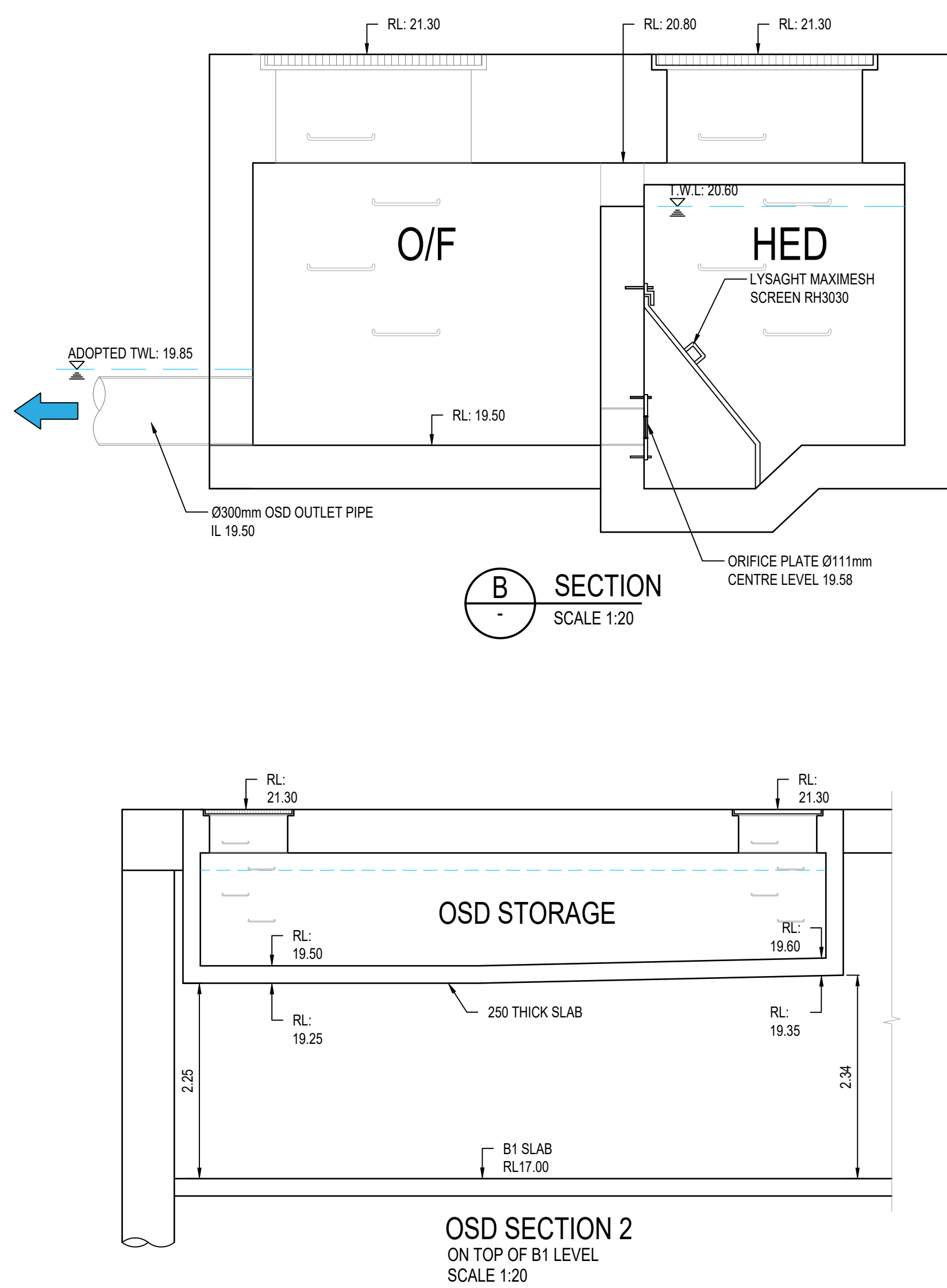
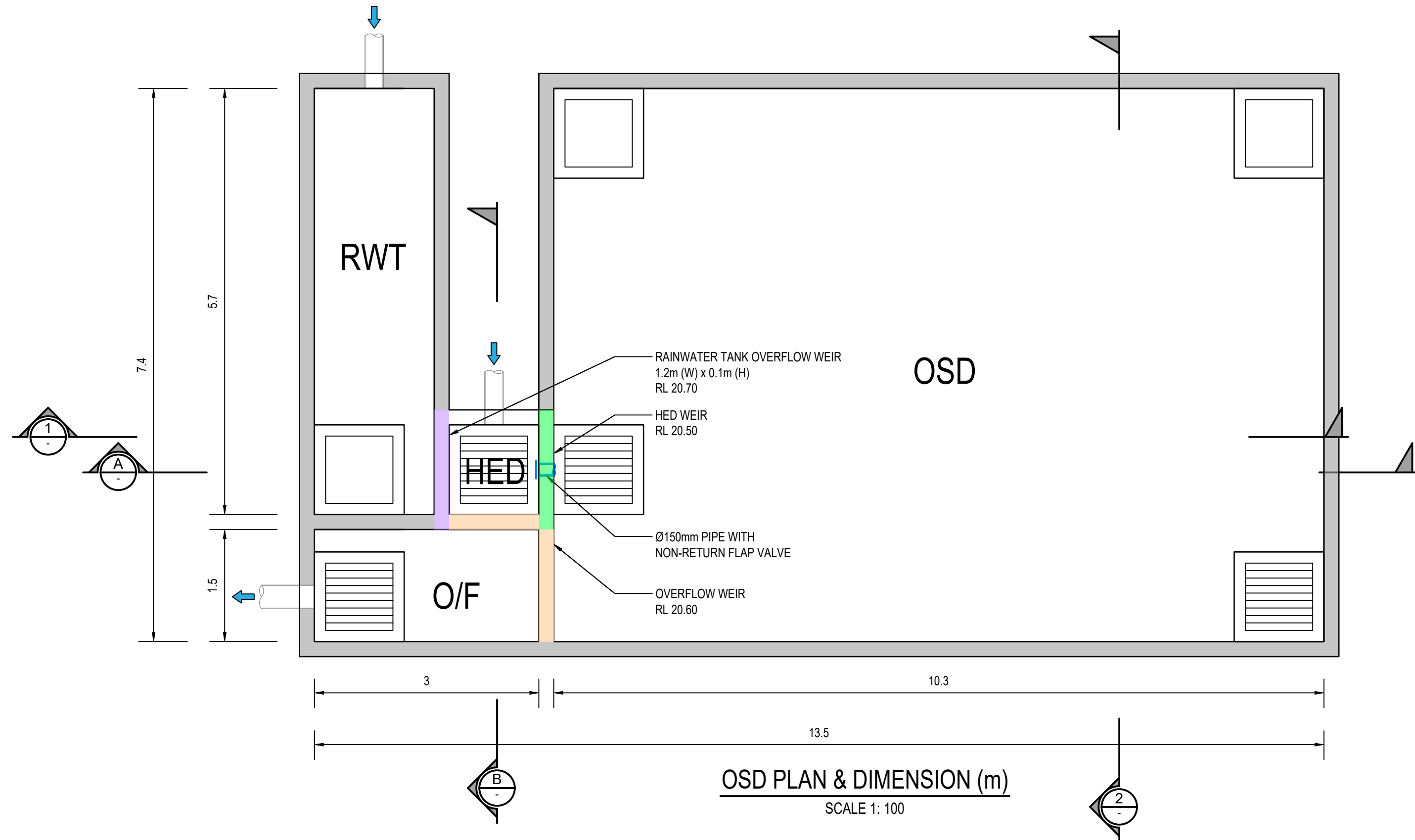
ARCHITECT	URBANLINK
Business Address: Level 15, 11-15 O'Connell Street, Burwood NSW 2154 Postal Address: PO BOX 2222 Burwood North NSW 2154 Phone Number: +61 2 9745 2014	

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	
A.B.N. 21 118 222 530	

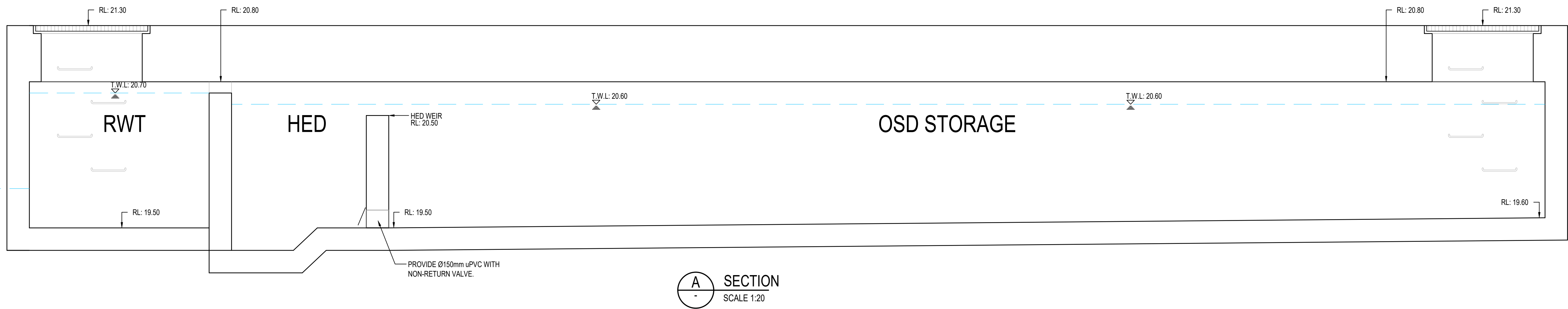
PROJECT	PROPOSED MIXED USE DEVELOPMENT
1-1a, 3 MARSDEN STREET & 2 MARK STREET LIDCOMBE	





Drawing Status	FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION PURPOSES	
Drawing Title	STORMWATER CONCEPT PLAN
DETAILS SHEET	
SHEET 1 OF 2	
Project No	Drawing No
20200322	SW300
Revision No	B

A1



PARRAMATTA CITY COUNCIL - OSD CALCULATIONS					
Project: Proposed Mixed-Used Development					
Location: 1-1a, 3 Marsden St & 2 Mark St, Lidcombe					
Phone: 02 8883 4239					
OSD Catchment		UPRCT		UPRCT - Drowned	
Site Area		0.2441		0.24410	
Basic Storage Volume		79.33		79.33	
Basic Discharge		36.62		36.62	
Area of Site to Storage		0.2249	92%	0.2249	92%
Percentage of Site		92.13		92.13	
Storage per ha of contributing area		352.75		352.75	
Volume/PSD Adjustment		118.75		118.75	
PSD for site		26.702		26.702	
Maximum Head to Orifice Centre		1.02		0.75	
Calculated Orifice Diameter		0.111		0.111	
Maximum discharge		26.124		22.915	
Head for high early discharge		0.920		0.650	
High Early Discharge		25.380	95%	21.333	80%
Mean Discharge		26.052		22.124	
Average Discharge per Hectare		115.837		98.373	
Final Site Storage Ratio		361		407	
Site Storage Volume		81.17		91.47	
Volume Provided		81.37	100%	94.50	103%
Checked By:		SGCE			
Date Checked:		7-Dec-21			



Reference Coordination Drawing										 <div>ENGINEERS AUSTRALIA Chartered Professional Engineer MEMBER</div>	QUALITY CONTROL				<div>WARNING: THE DESIGNS, DRAWINGS, SPECIFICATIONS AND THE COPYRIGHT HEREIN REMAIN THE SOLE INTELLECTUAL PROPERTY OF S&S CONSULTANTS PTY LTD AND MUST NOT BE USED, COPIED, ALTERED OR REPRODUCED WHOLLY OR IN PART IN ANY FORM WITHOUT THE WRITTEN CONSENT OF S&S CONSULTANTS PTY LTD</div> 	<div>Scales</div> <div><div>0m0.20.40.60.81.0</div><div>SCALE 1:20 ON ORIGINAL SIZE</div></div> <div><div>0m12345</div><div>SCALE 1:100 ON ORIGINAL SIZE</div></div>	CLIENT ROLZ GROUP PTY. LTD.	ARCHITECT <div><div>URBAN LINK</div><div>Business Address: Level 10, 11-15 Deane Street, Burwood NSW 2134 Postal Address: PO BOX 2222 Burwood North NSW 2134 Phone Number: +61 2 9745 2014</div></div> <div><div>SGC</div><div>A.B.N. 21 218 222 530</div></div>	PROJECT PROPOSED MIXED USE DEVELOPMENT 1-1a, 3 MARSDEN STREET & 2 MARK STREET LIDCOMBE	Drawing Status FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION PURPOSES Drawing Title STORMWATER CONCEPT PLAN DETAILS SHEET SHEET 2 OF 2
DisciplineDrawing Title and NumberDateRev. <div><div>B</div><div>REVISED DA ISSUE - RESPONSE TO COUNCIL RFI</div><div>SH</div><div>13.10.22</div><div>2</div></div> <div><div>A</div><div>ISSUE FOR DA SUBMISSION</div><div>JP</div><div>19.02.22</div><div>2</div></div> <div><div>P3</div><div>PRELIMINARY ISSUE</div><div>JP</div><div>14.02.22</div><div>1</div></div> <div><div>P2</div><div>PRELIMINARY ISSUE</div><div>JP</div><div>03.12.21</div><div>1</div></div> <div><div>P1</div><div>PRELIMINARY ISSUE</div><div>ZW</div><div>10.12.20</div><div>1</div></div> <div><div>Issue</div><div>Last revision title</div><div>by</div><div>Date</div><div>Status</div></div> <div><div>LANDS</div><div>CIVIL</div><div>SURVEY</div></div>				DRAWNJPDATE14.02.22	CHECKEDMSDATE03.12.21	DESIGNEDJPDATE14.02.22	VERIFIEDSHDATE03.12.21	APPROVEDSHDATE03.12.21												
Issuer internal sequence and revision history 1 - Preliminary 2 - Development application 3 - Construction Certificate 4 - Tender 5 - Construction 6 - Other																		GridDatumSheetScale (at original size) -A.H.D.6 of 7AS SHOWN	Project NoDrawing NoRevision No 20200322SW301B	

CONTRACTOR TO ENSURE THAT MARSDEN LANE STAYS CLEAN FROM SEDIMENT AT ALL TIMES AND DURING VEHICULAR TRAFFIC.

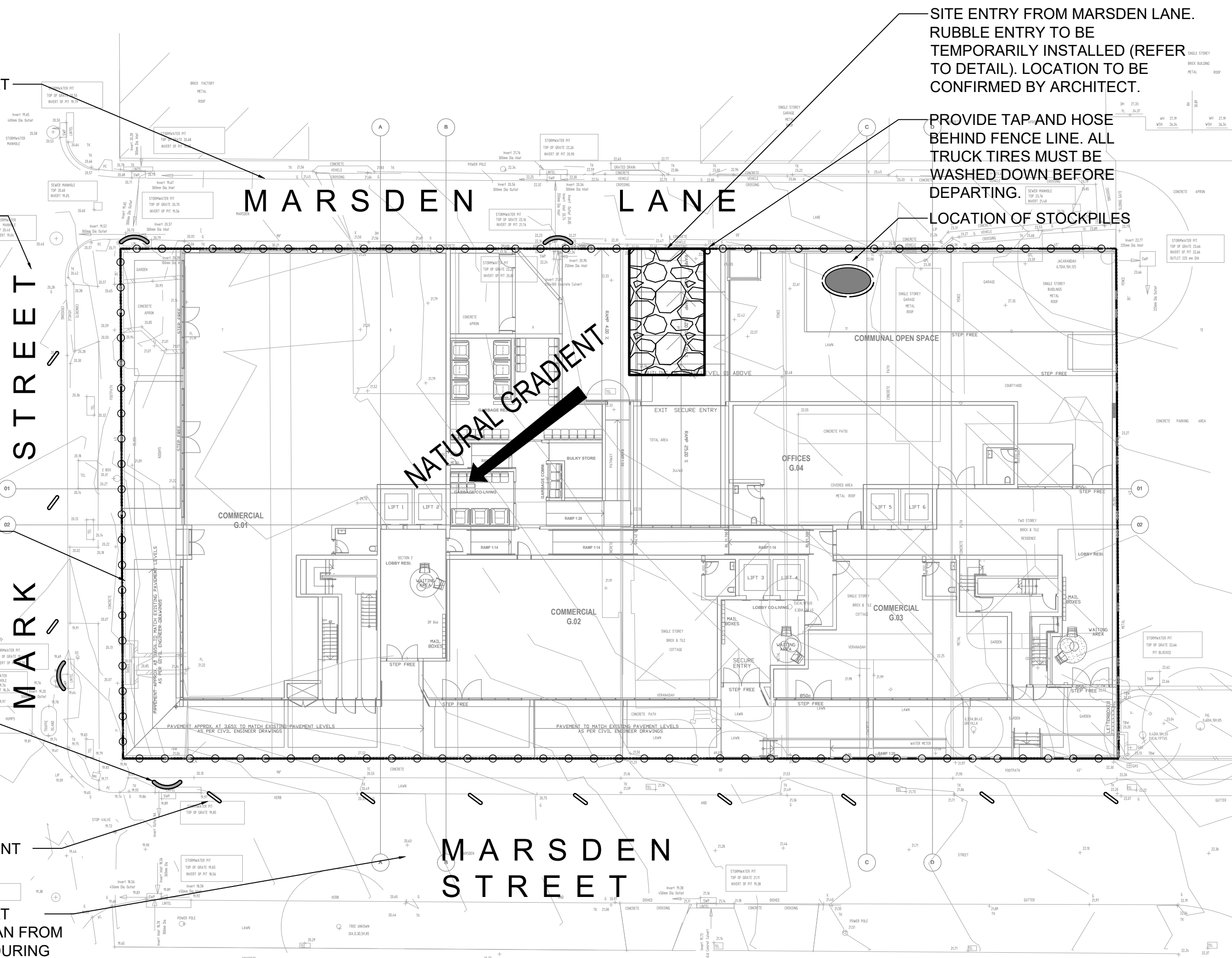
CONTRACTOR TO ENSURE THAT MARK STREET STAYS CLEAN FROM SEDIMENT AT ALL TIMES AND DURING VEHICULAR TRAFFIC.

EROSION AND SEDIMENT CONTROL FENCE TO BE INSTALLED AROUND THE LOWER SIDES OF PROPERTY BOUNDARY WHERE REQUIRED (REFER TO DETAIL).

SAUSAGE FILTER AROUND EXISTING GULLY PIT

INSTALL SAND BAGS TO PREVENT STORMWATER POLLUTION AFFECTING MARSDEN STREET.

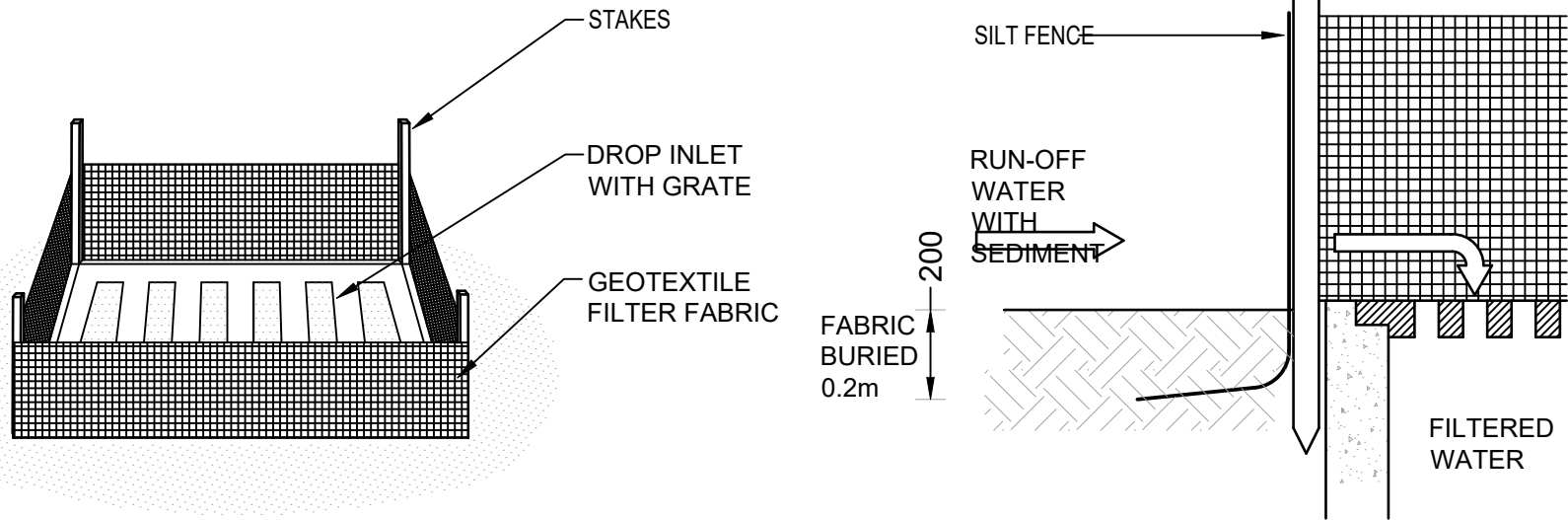
CONTRACTOR TO ENSURE THAT MARSDEN STREET STAYS CLEAN FROM SEDIMENT AT ALL TIMES AND DURING VEHICULAR TRAFFIC.



EROSION AND SEDIMENT CONTROL
SCALE 1:250

LEGEND

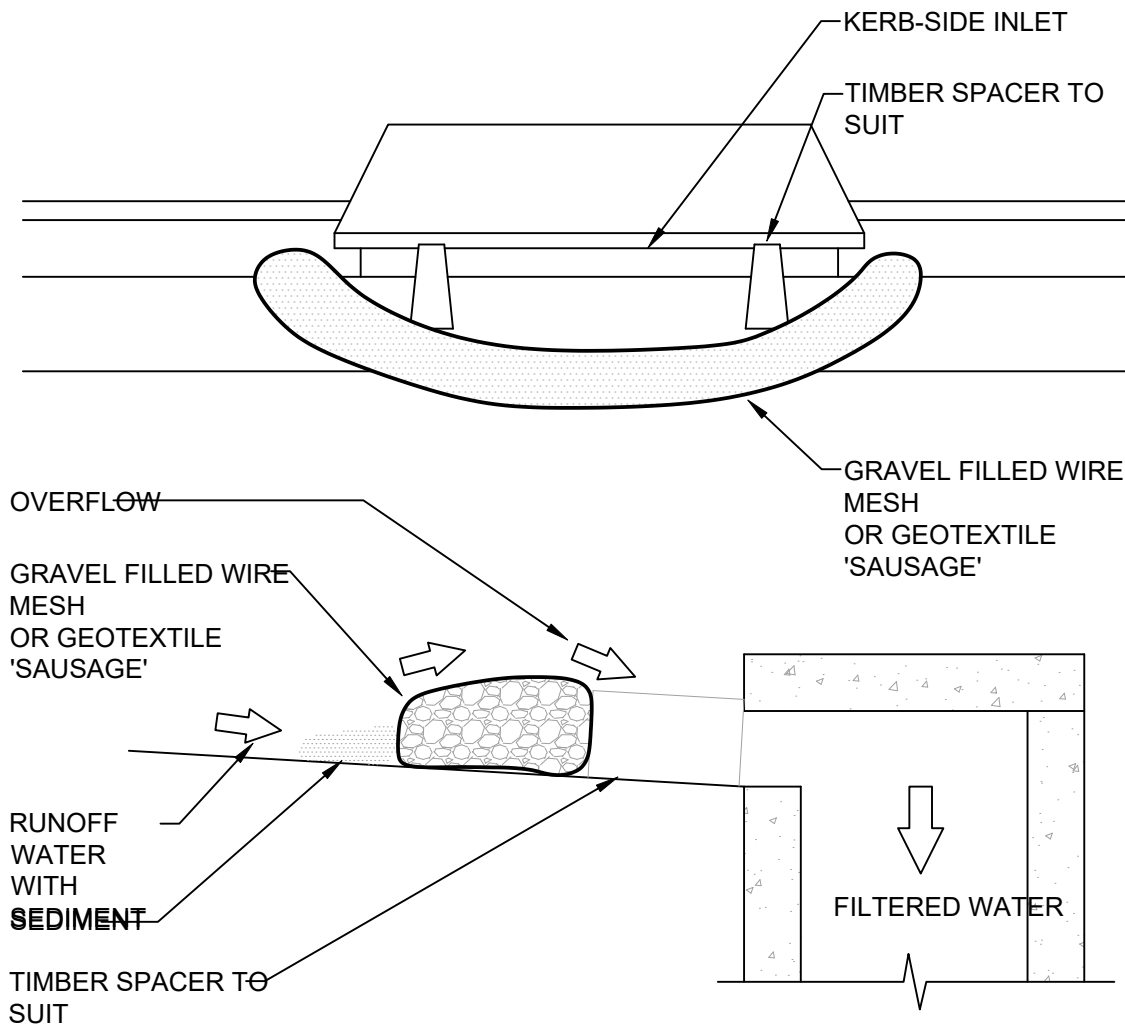
- SEDIMENT FENCE
- STABILISED SITE ACCESS
- SANDBAGS
- SAUSAGE FILTER



GEOTEXTILE INLET FILTER
NOT TO SCALE

EROSION & SEDIMENTATION CONTROL NOTES

- CONTRACTOR SHALL PROVIDE SEDIMENT FENCING MATERIAL DURING CONSTRUCTION TO THE LOW SIDE OF THE WORKS. THE SEDIMENT FENCING MATERIAL TO CYCLONE WIRE SECURITY FENCE. SEDIMENT CONTROL FABRIC SHALL BE AN APPROVED MATERIAL (E.G. HUMES PROPEX SILT STOP) STANDING 300mm ABOVE GROUND & EXTENDING 150mm BELOW GROUND.
- EXISTING DRAINS LOCATED WITHIN THE SITE SHALL ALSO BE ISOLATED BY SEDIMENT FENCING MATERIAL.
- NO PARKING OR STOCKPILING OF MATERIALS IS PERMITTED ON THE LOWER SIDE OF THE SEDIMENT FENCE.
- GRASS VERGES SHALL BE MAINTAINED AS MUCH AS PRACTICAL TO PROVIDE A BUFFER ZONE TO THE CONSTRUCTION SITE.
- CONSTRUCTION ENTRY/EXIT SHALL BE VIA THE LOCATION NOTED ON THE DRAWING. CONTRACTOR SHALL ENSURE ALL DROPPABLE SOIL & SEDIMENT IS REMOVED PRIOR TO CONSTRUCTION TRAFFIC EXITING SITE. CONTRACTOR SHALL ENSURE ALL CONSTRUCTION TRAFFIC ENTERING & LEAVING THE SITE DO SO IN A FORWARD DIRECTION.



GRAVEL INLET FILTER (SAUSAGE)
NOT TO SCALE

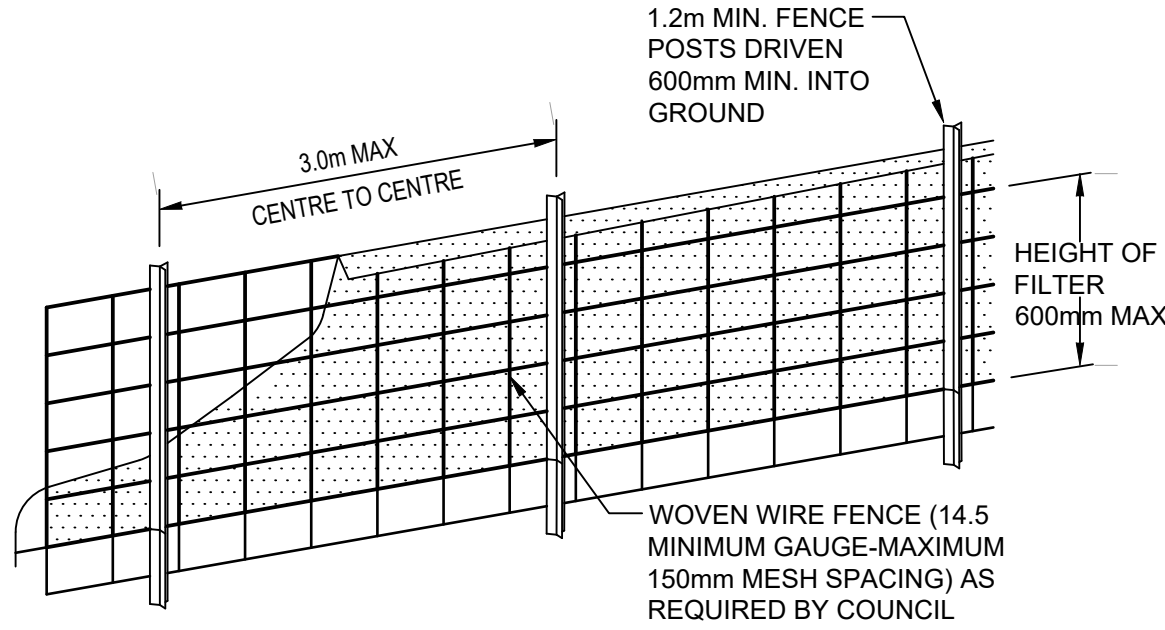
GENERAL NOTES

- THIS PLAN IS A CONCEPT PLAN ONLY FOR STORMWATER DISPOSAL & EROSION CONTROL. IT IS NOT SUITABLE FOR CONSTRUCTION. THIS PLAN SHOULD BE ADAPTED BY THE BUILDER DURING DEMOLITION, EXCAVATION & CONSTRUCTION PHASES TO ENSURE ADEQUATE PERFORMANCE.
- ALL DRAINAGE LAYOUT & DETAILS ARE DIAGRAMMATIC & INDICATIVE ONLY. ACTUAL LOCATION, SIZES, LEVELS & GRADES MAY ALTER WHEN DETAIL DESIGN WORKS ARE DOCUMENTED.

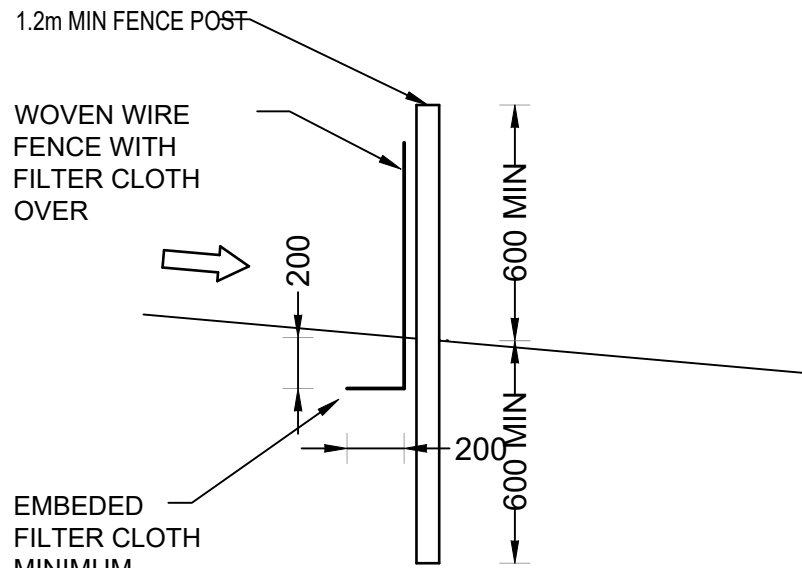
CLAY SOILS

A SYSTEM SHALL BE INSTALLED TO EITHER:

- TRANSPORT STORMWATER RUNOFF WITH SUSPENDED SOLIDS FROM SITE VIA PUMP TRUCKS.
- TREAT THE STORMWATER RUNOFF WITH SUSPENDED SOLIDS SO THE DISCHARGE WATER QUALITY TO COUNCIL STORMWATER DRAINAGE SYSTEM HAS A MAXIMUM CONCENTRATION OF SUSPENDED SOLIDS THAT DOES NOT EXCEED 50 MILLIGRAMS PER LITRE IN ACCORDANCE WITH THE PROTECTION OF THE ENVIRONMENT OPERATION ACT (POEO 1997) AND SHALL BE APPROVED BY LOCAL COUNCIL.



DIAGRAMMATIC VIEW



TYPICAL SECTION

SEDIMENT FENCE
NOT TO SCALE

GEOTEXTILE INLET FILTER

GEOTEXTILE INLET FILTER IS PLACED IN EVERY PIT WITHIN THE SITE TO ENSURE THE RUNOFF WATER DURING CONSTRUCTION NOT ENTER THE PITS.

CATCH DRAIN TO BE PROVIDED ON BOTH SIDES OF 'SHAKE-DOWN' WHERE DIRECTED BY COUNCIL

RUN-OFF FROM GRIDS TO BE DIRECTED TO SEDIMENT TRAP 3 OFF HUMES PRECAST CATTLE GRID OR APPROVED EQUIVALENT

50 THICK GRANULAR BEDDING

2100 2100 2100

TEMPORARY CONSTRUCTION EXIT

NOT TO SCALE

PLAN VIEW

TYPICAL SECTION

'CATTLE GRID' ALTERNATIVE

NOT TO SCALE

TEMPORARY CONSTRUCTION EXIT

NOT TO SCALE

PLAN VIEW

TYPICAL SECTION

'CATTLE GRID' ALTERNATIVE

NOT TO SCALE

Reference Coordination Drawing			
Discipline	Drawing Title and Number	Date	Rev.
ARCH	13.10.22	2	ARCH
STRUCT	19.02.22	2	STRUCT
MECH	14.02.22	1	MECH
ELEC	03.12.21	1	ELEC
HYD	19.12.20	1	HYD
FIRE			FIRE
LANDS			LANDS
CIVIL			CIVIL
SURVEY			SURVEY

QUALITY CONTROL			
DRAWN	JP	DATE	14.02.22
CHECKED	MS	DATE	03.12.21
DESIGNED	JP	DATE	14.02.22
VERIFIED	SH	DATE	03.12.21
APPROVED	SH	DATE	03.12.21

WARNING: THE DESIGNS, DRAWINGS, SPECIFICATIONS AND THE COPYRIGHT HEREIN REMAIN THE SOLE INTELLECTUAL PROPERTY OF SAG CONSULTANTS PTY LTD AND MUST NOT BE USED, COPIED, ALTERED OR REPRODUCED WHOLLY OR IN PART IN ANY FORM WITHOUT THE WRITTEN CONSENT OF SAG CONSULTANTS PTY LTD

0m 2.5 5 7.5 10 12.5
SCALE 1:250 ON ORIGINAL SIZE

CLIENT	ROLZ GROUP PTY. LTD.
--------	----------------------

ARCHITECT	URBAN LINK
Business Address: Level 10, 11-15 Deane Street, Burwood NSW 2134	
Phone: +61 2 8883 4239	
Email: office@sgce.com.au	
Web: www.sgce.com.au	

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
--

PROJECT	PROPOSED MIXED USE DEVELOPMENT
1-1a, 3 MARSDEN STREET & 2 MARK STREET	LIDCOMBE

Drawing Status	FOR APPROVAL
NOT TO BE USED FOR CONSTRUCTION PURPOSES	
Drawing Title	EROSION AND SEDIMENT CONTROL PLAN AND DETAILS
Project No	20200322
Drawing No	SW400
Revision No	B