

PROPOSED CHILDCARE

31 TELOPEA STREET, PUNCHBOWL

STORMWATER DRAINAGE DESIGN



DRAWINGS LIST			
SHEET No.	DWG No.	TITLE	REV
1	SW100	COVER SHEET	0
2	SW200	STORMWATER CONCEPT DESIGN - BASEMENT PLAN	0
3	SW201	STORMWATER CONCEPT DESIGN - GROUND FLOOR PLAN	0
4	SW202	STORMWATER CONCEPT DESIGN - ROOF PLAN	0
5	SW300	STORMWATER CONCEPT DESIGN - DETAILS SHEET	0
6	SW400	EROSION AND SEDIMENT CONTROL - PLAN AND DETAILS	0
7	SW500	STORMWATER CONCEPT DESIGN - OSD CATCHMENT PLAN & DRAINS MODEL RESULT	0

LOCALITY PLAN
NOT TO SCALE
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ARCHITECT:

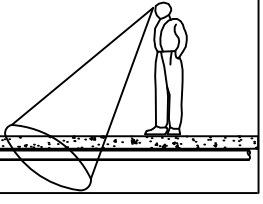
PLACE
STUDIO
PLACE STUDIO AU PTY LTD |
SUITE 7, LEVEL 03, 55 GREAT BUCKINGHAM ST, REDFERN, NSW 2016.
T | 61 431 088 534 | J ALEXANDER-HATZILIS NSW ARB #10535
W | www.PlaceStudio.com.au E | Studio@PlaceStudio.com.au

CLIENT :

TONY GEAGEA



S&G CONSULTANTS PTY LTD
SUITE 311, LEVEL 3
480 PACIFIC HIGHWAY
ST. LEONARDS, N.S.W. 2065
T: +61 2 8883 4239
Email: office@sgce.com.au
Web: www.sgce.com.au

**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 A10T/50 FROM ZENIT WATER SOLUTIONS OR SIMILAR 3 PHASE PUMPS WITH 10L/s OUTFLOW FOR 5m HEAD

SUBSOIL DESIGN CALCS:

THE AREA OF DRIVEWAY RAMP IS COVERED THEREFORE IN ACCORDANCE WITH AS3500, THE MINIMUM PUMP OUT PIT SIZE IS 3m³.

NOTES

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

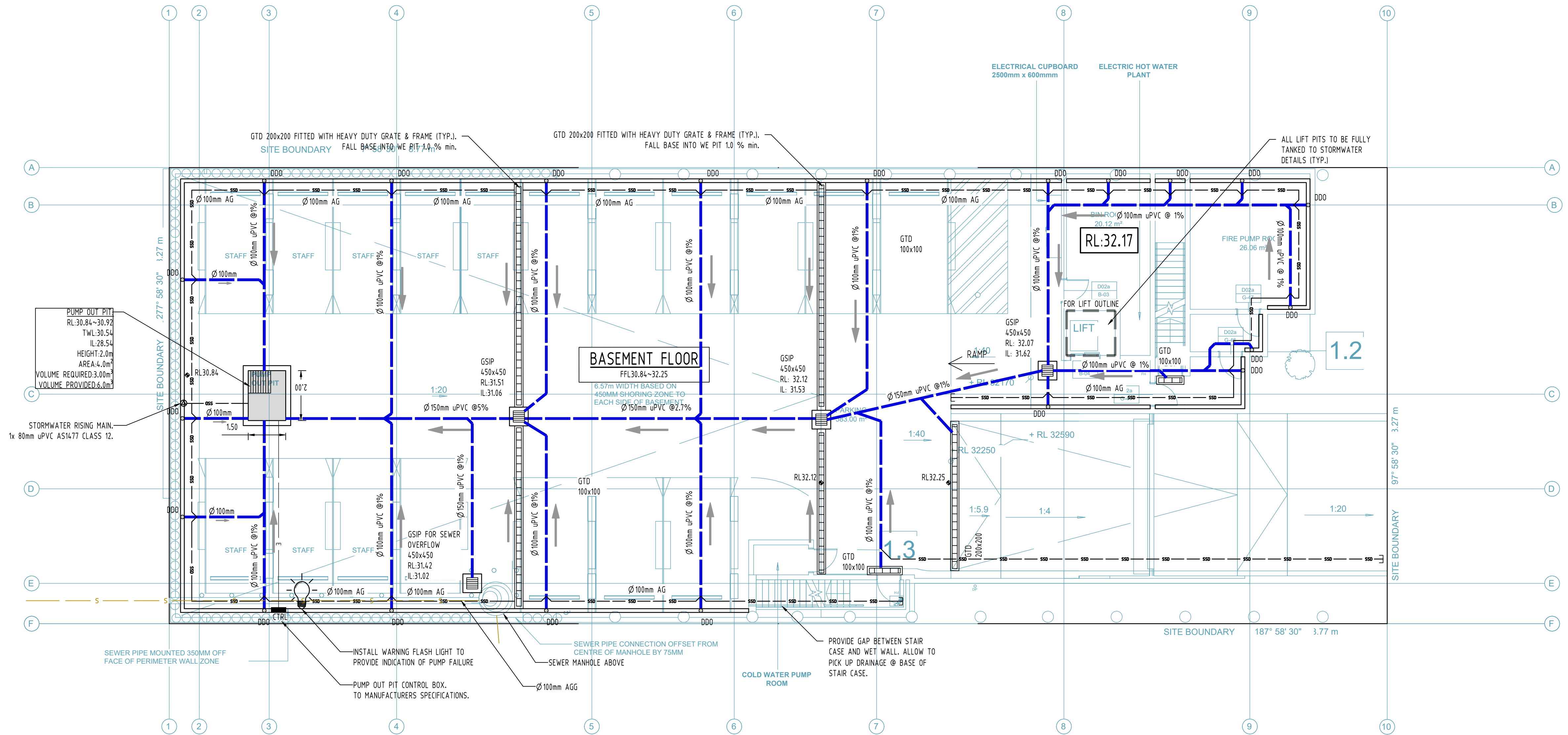
ALL SUBSOIL DRAINAGE (SSDI) TO BE 100AG AND ALL DISH DRAIN OUTLETS (DDO) TO BE Ø100mm U.N.O

NOTE:

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

SURFACE GRADING NOTE:

SURFACES ARE TO BE GRADED TOWARDS SURFACE INLET PIT (GSIP) AND RAINWATER OUTLET (RWO) AT 1% MIN. FOR UNCOVERED AREA AND AT 0.5% MIN. FOR COVERED AREA AS PER AS2890.



Issue	Revision	Date	By	Status
D	ISSUE FOR S4.55	20.11.24	2	
P6	PRELIMINARY ISSUE	25.10.24	1	
P5	PRELIMINARY ISSUE	22.10.24	1	
P4	PRELIMINARY ISSUE	05.08.24	1	
P3	PRELIMINARY ISSUE	13.06.24	1	
C	ISSUE FOR DA	28.01.22	2	STRUCT
P2	ISSUE FOR DA	28.01.22	1	MECH
B	ISSUE FOR DA	26.07.21	2	ELEC
A	ISSUE FOR DA	21.07.21	2	HYD
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				

Discipline	Drawing Title and Number	Date	Rev.
ARCH			
STRUCT			
MECH			
ELEC			
HYD			
FIRE			
LANDS			
CIVIL			
SURVEY			

Discipline	Checked	SH	DATE
ARCH	ES	DATE	20.11.25
STRUCT	ES	DATE	20.11.25
MECH	ES	DATE	20.11.25
ELEC	ES	DATE	20.11.25
HYD	ES	DATE	20.11.25
FIRE	ES	DATE	20.11.25
LANDS	ES	DATE	20.11.25
CIVIL	ES	DATE	20.11.25
SURVEY	ES	DATE	20.11.25

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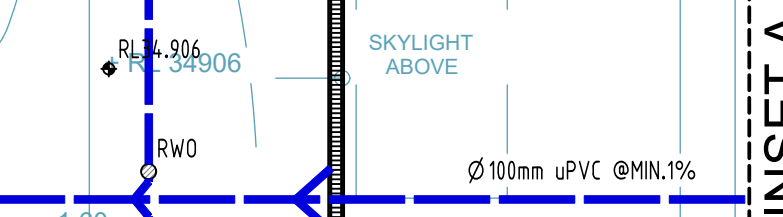
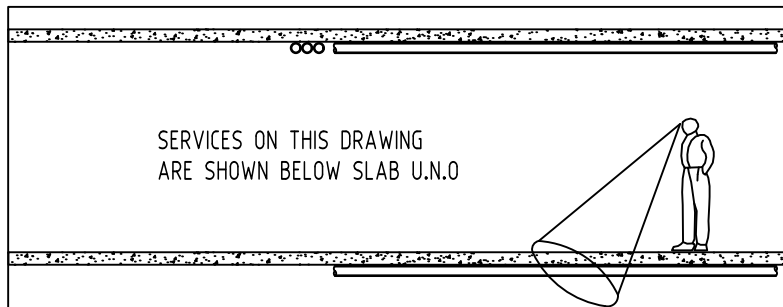
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SCALE 1:100 ON ORIGINAL SIZE					

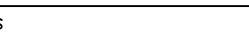
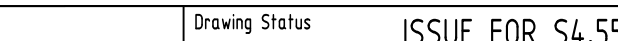
CLIENT	TONY GEAGEA
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ARCHITECT	PLACE STUDIO
PLACE STUDIO AU PTY LTD SUITE 311, LEVEL 3 480 PACIFIC HIGHWAY ST. LEONARDS, N.S.W. 2065 T: +61 2 8883 4239 Email: office@sgce.com.au Web: www.sgce.com.au	

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A.B.N. 21 118 222 530	

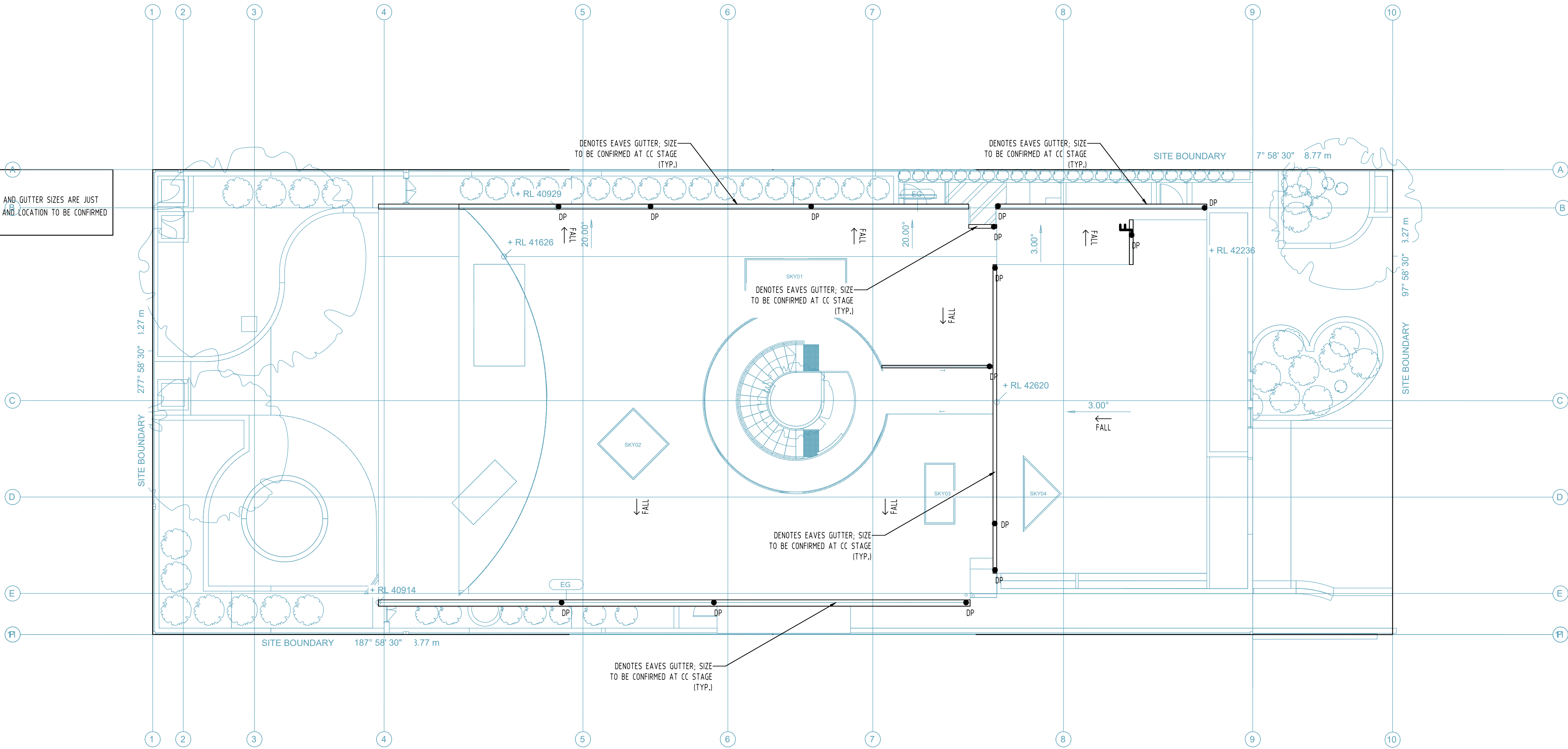
PROJECT	PROPOSED CHILDCARE DEVELOPMENT
31 Teloopa Street, Punchbowl	
Drawing Status	ISSUE FOR S4.55 NOT TO BE USED FOR CONSTRUCTION PURPOSES
Drawing Title	STORMWATER DRAINAGE DESIGN BASEMENT PLAN
Project No	20210183
Drawing No	SW200
Revision No	D
Grid	A.H.D.
Sheet	2 OF 7
Scale (at original size)	1:100 @ A1




D ISSUE FOR \$4.55		ES 20.11.24	2	Reference Coordination Drawing			 <div>ENGINEERS AUSTRALIA Chartered Professional Engineer MEMBER</div> <div>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 RECORD/CLARIFICATION BEFORE PROCEEDING WITH THE WORK. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE SPECIFICATIONS AND OTHER CONSULTANTS' DRAWINGS.</div>	QUALITY CONTROL		WARNING: THE DESIGNS, DRAWINGS, SPECIFICATIONS AND THE COPYRIGHT HEREIN REMAIN THE SUE INTELLECTUAL PROPERTY OF S&G 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&G CONSULTANTS PTY LTD		Scales	CLIENT	ARCHITECT	 <div>S&G CONSULTANTS PTY LTD SUITE 311, LEVEL 3 480 PACIFIC HIGHWAY ST. LEONARDS, N.S.W. 2065 T: +61 2 8883 4239 Email: office@sgce.com.au Web: www.sgce.com.au</div> <div>A.B.N. 21 118 222 530</div>	PROJECT	Drawing Status		
P6 PRELIMINARY ISSUE	ES 25.10.24	1		Drawing Title and Number	Date	Rev.		DRAWN ES DATE 20.11.25			0m 1 2 3 4 5 SCALE 1:100 ON ORIGINAL SIZE	TONY GEAGEA	PLACE	PROPOSED CHILDCARE DEVELOPMENT		ISSUE FOR \$4.55 NOT TO BE USED FOR CONSTRUCTION PURPOSES			
P5 PRELIMINARY ISSUE	ES 22.10.24	1						CHECKED SH DATE 20.11.25						STORMWATER DRAINAGE DESIGN					
P4 PRELIMINARY ISSUE	ES 05.08.24	1	ARCH					DESIGNED ES DATE 20.11.25						GROUND FLOOR PLAN					
P3 PRELIMINARY ISSUE	ES 19.06.24	1	ARCH					VERIFIED SH DATE 20.11.25											
C ISSUE FOR DA	DR 28.01.22	2	STRUCT					APPROVED SH DATE 20.11.25											
P2 ISSUE FOR DA	DR 28.01.22	1	MECH																
B ISSUE FOR DA	DR 26.07.21	2	ELEC																
A ISSUE FOR DA	DR 21.07.21	2	HYD																
Issue	Last revision title	by	Date	Status	PRG														
Issuer internal sequence and revision history																			
1-preliminary 4-tender		2-development application		3-construction certificate 5-construction 6-other															

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

NOTE:
STORMWATER DOWNPIPES AND GUTTER SIZES ARE JUST
INDICATIVE. EXACT SIZE AND LOCATION TO BE CONFIRMED
AT CC STAGE.



D	ISSUE FOR S4.55	ES	20.11.24	2	Reference Coordination Drawing		
P6	PRELIMINARY ISSUE	ES	25.10.24	1			
P5	PRELIMINARY ISSUE	ES	22.10.24	1	Discipline	Drawing Title and Number	Date
P4	PRELIMINARY ISSUE	ES	05.08.24	1	ARCH		
P3	PRELIMINARY ISSUE	ES	13.06.24	1	ARCH		
C	ISSUE FOR DA	DR	28.01.22	2	STRUCT		
P2	ISSUE FOR DA	DR	28.01.22	1	MECH		
B	ISSUE FOR DA	DR	26.07.21	2	ELEC		
A	ISSUE FOR DA	DR	21.07.21	2	HYD		
Issue Last revision Title		by	Date	Status			
Issuer internal sequence and revision history					LANDS		
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4-tender	5-construction	6-other					
					CIVIL		
					SURVEY		

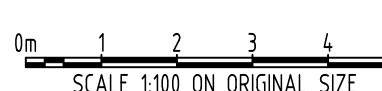
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Chartered Professional Engineer
MEMBER

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QUALITY CONTROL			
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CHECKED	SH	DATE	20.11.25
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VERIFIED	SH	DATE	20.11.25
APPROVED	SH	DATE	20.11.25

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Scales


SCALE 1:100 ON ORIGINAL SIZE

CLIENT

TONY GEAGEA

ARCHITECT


PLACE STUDIO
PLACE STUDIO AU PTY LTD
SUITE 311, LEVEL 3, 480 PACIFIC HIGHWAY
ST. LEONARDS, N.S.W. 2065
T: +61 2 8883 4239
Email: office@sgce.com.au
Web: www.sgce.com.au
A.B.N. 21 118 222 530


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PROJECT

PROPOSED CHILDCARE DEVELOPMENT

31 Teloepa Street, Punchbowl

Grid

Datum

Sheet

Scale (at original size)

A.H.D.

4 OF 7

1:100 @ A1

Drawing Status

ISSUE FOR S4.55

NOT TO BE USED FOR CONSTRUCTION PURPOSES

Drawing Title

STORMWATER CONCEPT DESIGN

ROOF PLAN

Project No

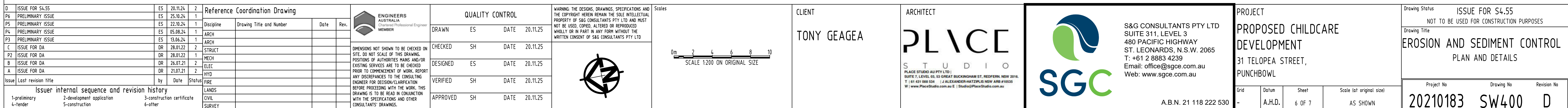
20210183

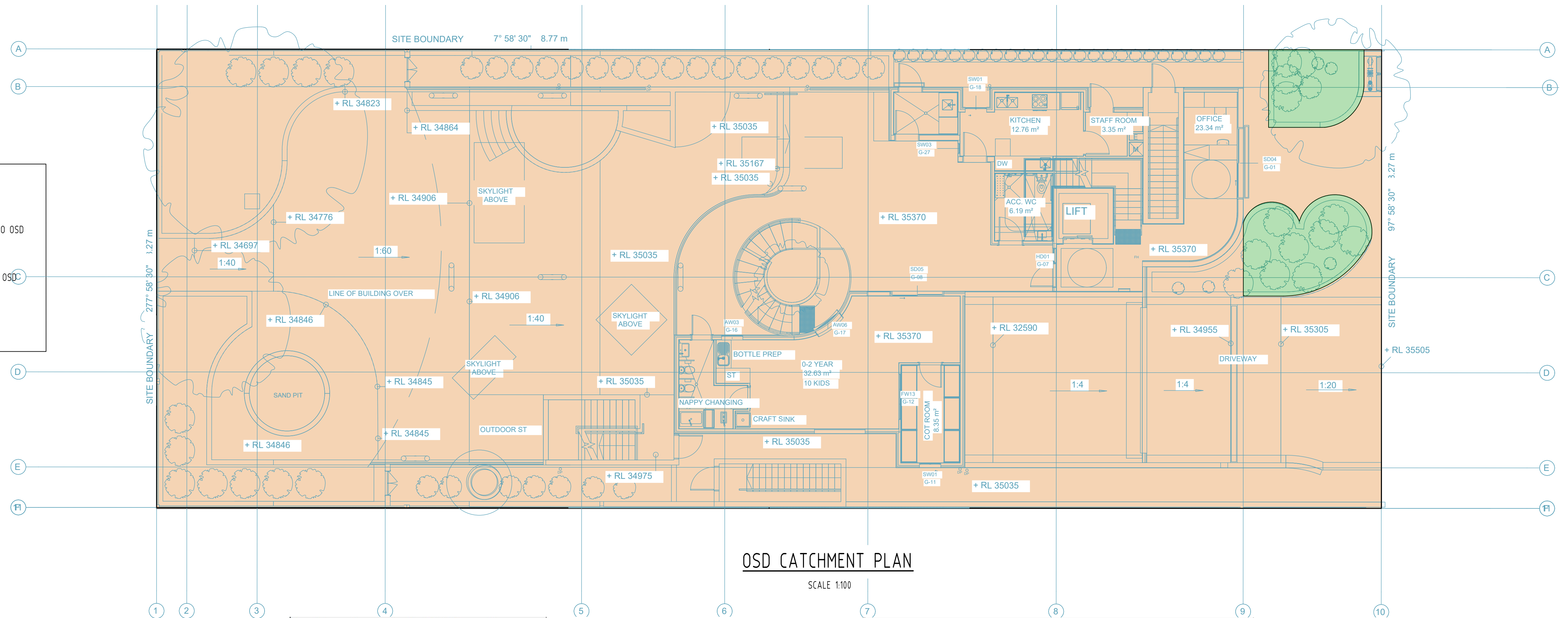
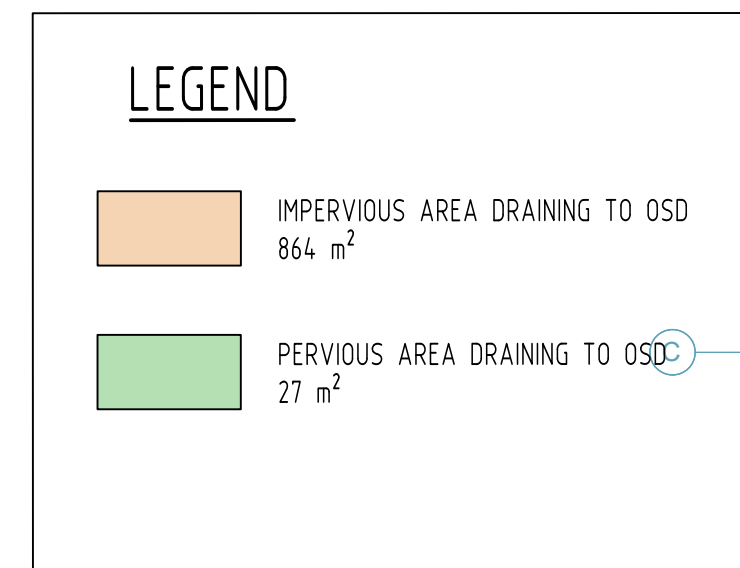
Drawing No

SW202

Revision No

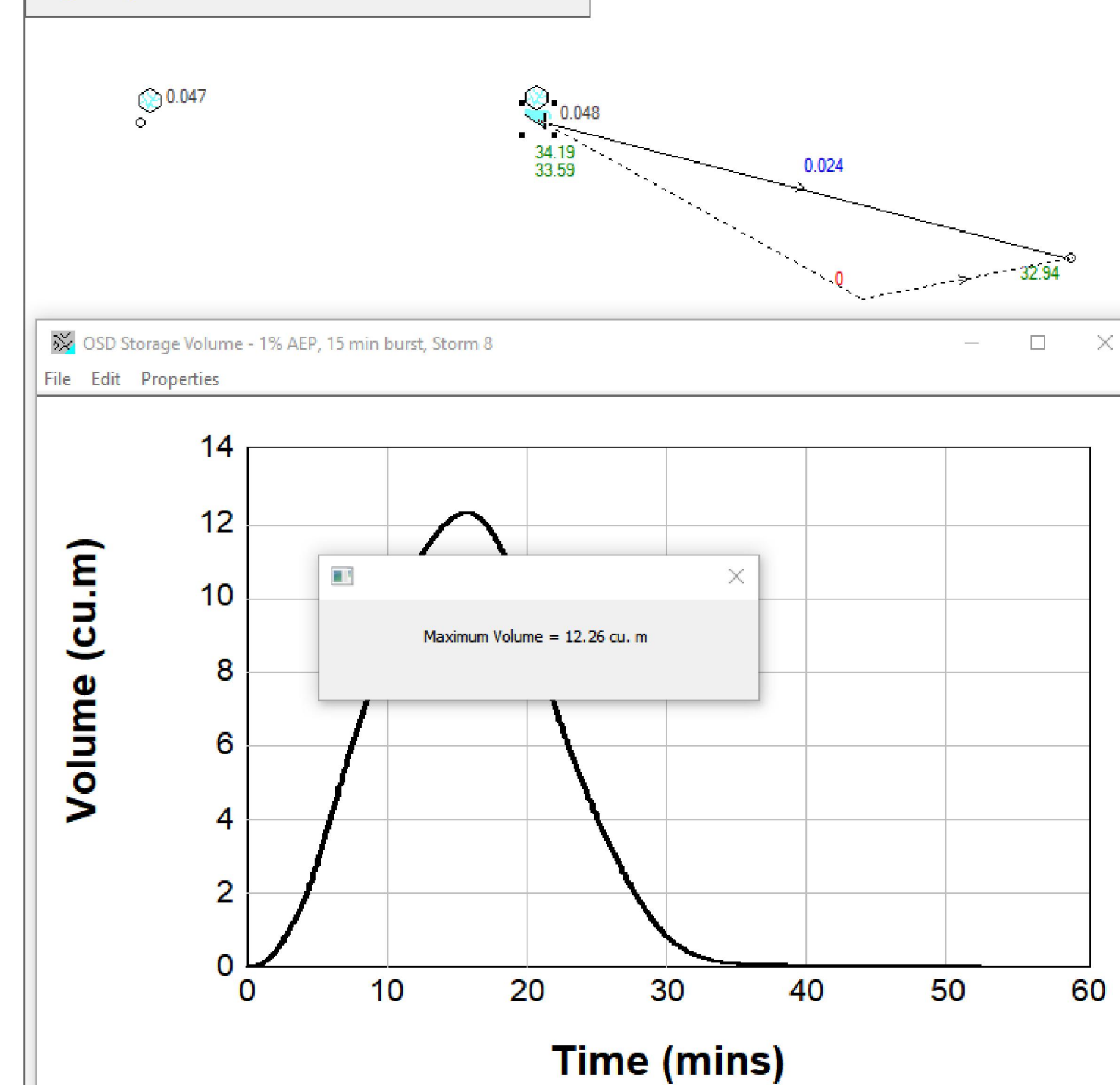
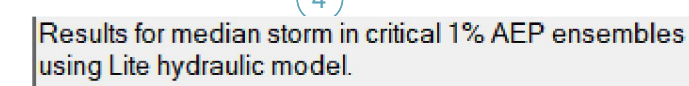
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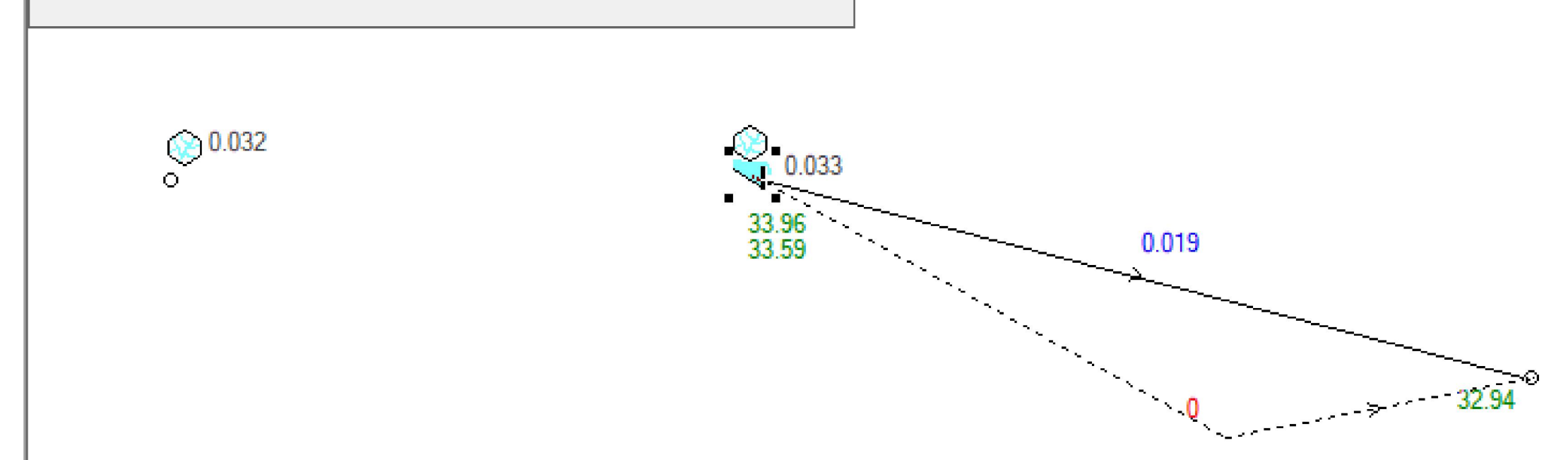
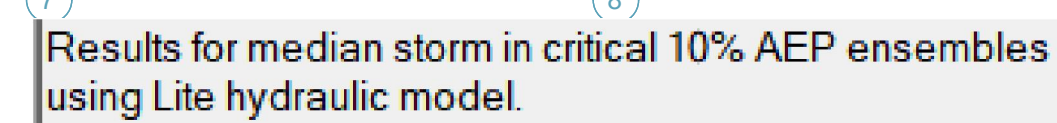
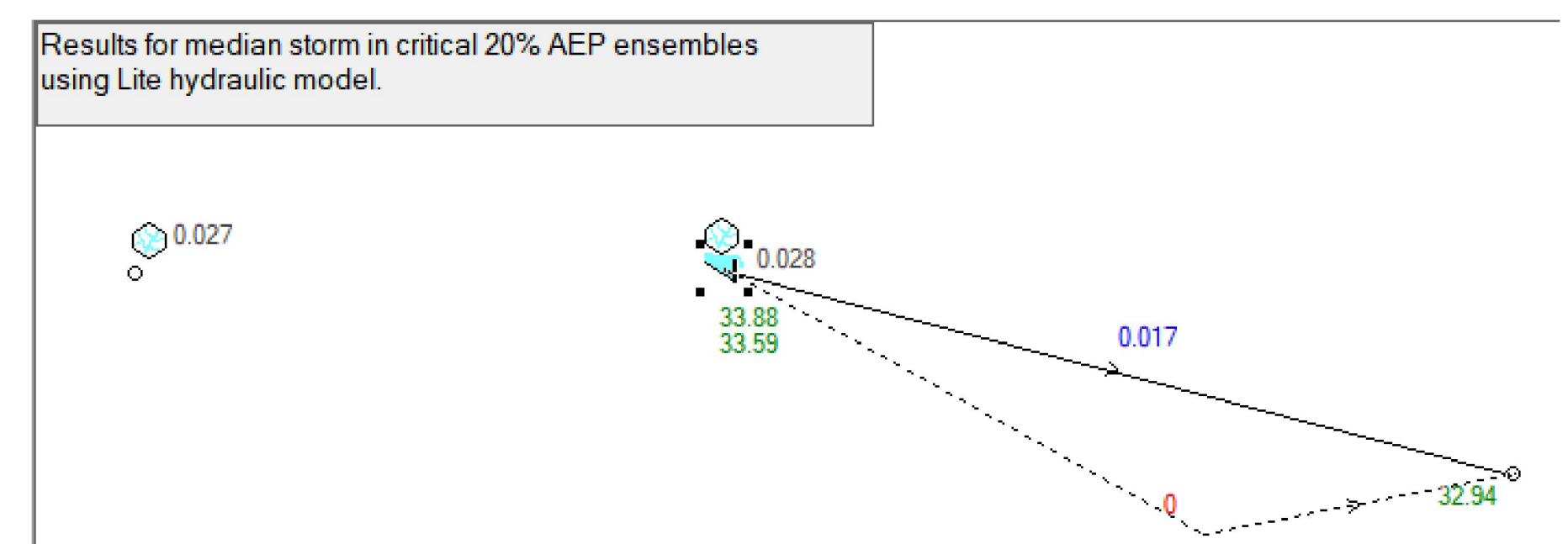
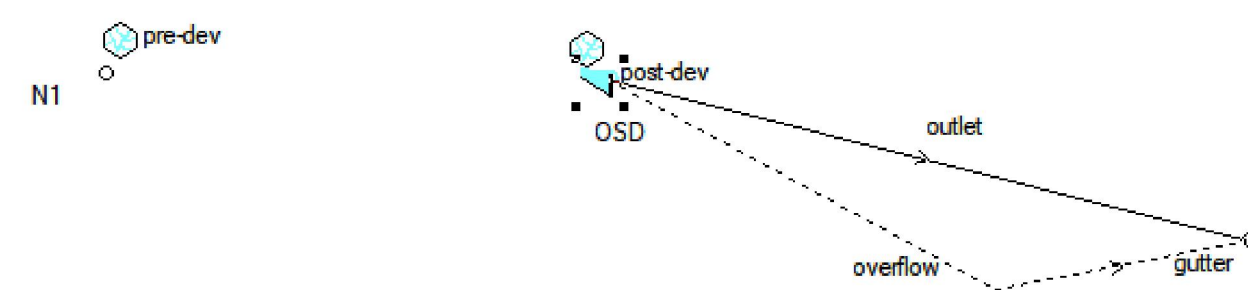


OSD CATCHMENT PLAN




SCALE 1:100



OSD 1% AEP FLOW AND RESULT

OSD 10% AEP FLOWOSD 20% AEP FLOW

OSD DRAINS DIAGRAM

D	ISSUE FOR \$4.55	ES	20.10.24	2	Reference Coordination Drawing					ENGINEERS AUSTRALIA Professional Engineer MEMBER	QUALITY CONTROL				WARNING: THE DESIGNS, DRAWINGS, SPECIFICATIONS AND THE COPYRIGHT HEREIN REMAIN THE SOLE INTELLECTUAL PROPERTY OF S&G 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&G CONSULTANTS PTY LTD	Scales	CLIENT TONY GEAGEA	ARCHITECT  PLACE STUDIO AU PTY LTD SUITE 1 LEVEL 05, 25 GREAT BUCKINGHAM ST, REDFERN, NEW 2016 T 61 61 988 534 L ALEXANDER@PLACESTUDIO.COM.AU W www.PlaceStudio.com.au		S&G CONSULTANTS PTY LTD SUITE 311, LEVEL 3 480 PACIFIC HIGHWAY ST. LEONARDS, N.S.W. 2065 T: +61 2 8883 4239 Email: office@sgcoe.com.au Web: www.sgcoe.com.au	PROJECT PROPOSED CHILDCARE DEVELOPMENT 31 Teloepa Street, PUNCHBOWL	Drawing Status		ISSUE FOR \$4.55 NOT TO BE USED FOR CONSTRUCTION PURPOSES	
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