




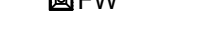

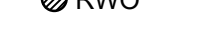










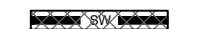


CONCEPT STORMWATER DRAWINGS FOR 27 GULLIVER STREET, BROOKVALE NSW 2100

SYMBOLS

RL	PIT SURFACE LEVEL
IL	INVERT LEVEL
TK	TOP OF KERB
B.O.W	BOTTOM OF WALL
T.O.W	TOP OF WALL
	STORMWATER DRAINAGE PIPE
	DOWNPIPE TO RAINWATER TANK
	OVERFLOW PIPE FROM RAINWATER TANK
	Ø100 SUBSOIL PIPE
	Ø100 SUBSOIL PIPE
	FLOOR WASTE 150X150
	FLOOR WASTE 150Ø
	RAINWATER OUTLET 300Ø
	PLANTER GRATE
	DOWN PIPE
	CLEAN OUT
	INSPECTION OPENING
	VERTICAL DROP
	VERTICAL RISER
	CONCRETE COVER JUNCTION PIT
	GRATED INLET PIT
	WIDE GRATED DRAIN
	OVERLAND FLOW PATH
	CAST IN SLAB PIPE

NOTES

- ALL LINES ARE TO BE MIN. 100Ø UPVC @ MIN 1.0% GRADE UNLESS NOTED OTHERWISE.
- IT IS THE CONTRACTORS RESPONSIBILITY TO LOCATE & LEVEL ALL EXISTING SERVICES PRIOR TO THE COMMENCEMENT OF ANY EARTHWORKS. ALL DESIGN LEVELS SHOWN ON PLAN SHALL BE VERIFIED ON SITE PRIOR TO THE COMMENCEMENT OF ANY WORK.
- ALL PIPES TO HAVE MIN 200mm COVER IF LOCATED WITHIN PROPERTY.
- ALL PITS IN DRIVEWAYS BE HEAVY DUTY GRATES. DIRECT SURFACE FLOW TO ALL GRATED SURFACE INLET PITS.
- ALL WORK DO BE DONE IN ACCORDANCE WITH AS/NZ 3500.3 (CURRENT EDITION), COUNCIL SPECIFICATIONS, RELEVANT VOLUME OF NCC (NATIONAL CONSTRUCTION CODE)
- LOCATION OF DOWNPIPES & FLOOR WASTES ARE INDICATIVE ONLY. DOWNPIPE & FLOOR WASTE SIZE, LOCATION & QUANTITY TO BE DETERMINED BY BUILDER & IN ACCORDANCE WITH RELEVANT AUSTRALIAN STANDARDS.
- THIS PLAN IS TO BE READ IN CONJUNCTION WITH THE ARCHITECTURAL, LANDSCAPE AND STRUCTURAL AND ALL OTHER RELEVANT CONSULTANT'S PLANS.
- ALL RAINWATER TANKS TO BE FITTED WITH A FIRST FLUSH DEVICE TO PREVENT POTENTIAL CONTAMINANTS FROM ENTERING THE TANKS.
- ANY DISCREPANCIES OR OMISSIONS SHALL BE REFERRED TO THE DESIGN ENGINEER FOR RESOLUTION.
- ALL PITS OR GRATES IN TRAFFICABLE AREAS TO BE HEAVY DUTY.
- ALL GUTTERS WILL BE FITTED WITH LEAF GUARDS AND SHOULD BE INSPECTED AND CLEANED TO ENSURE LEAF LITTER CANNOT ENTER THE DOWNPIPES
- PROVIDE EMERGENCY OVERFLOW TO ALL PLANTER BOX AND BALCONIES.
- ALL PITS WITH DEPTH MORE THAN 900mm MUST HAVE IRON STEPS AND TO BE BENCHED AND STREAMLINED
- PROVIDE STORMWATER GRATE 200Wx200D AT THE BASE OF ALL MECHANICAL SHAFTS AND UNCOVERED STAIRS OR OPENINGS.
- ENSURE ALL DRAINAGE WORKS ARE AWAY FROM TREE ROOTS
- SERVICES SHOWN ON THESE PLANS HAVE BEEN LOCATED FROM INFORMATION SUPPLIED BY THE RELEVANT AUTHORITIES AND FIELD INVESTIGATION AND ARE NOT GUARANTEED COMPLETE NOR CORRECT. IT IS THE CLIENT AND CONTRACTOR'S RESPONSIBILITY TO LOCATE ALL PRIOR TO CONSTRUCTION.
- ALL VARIATIONS TO THE WORKS AS SHOWN ON THE APPROVED DRAWINGS ARE TO BE CONFIRMED BY SMART STRUCTURES AUSTRALIA PRIOR TO COMMENCEMENT OF WORKS.
- THE MINIMUM SIZES OF THE STORMWATER DRAINS SHALL NOT BE LESS THAN DN90 FOR CLASS 1 BUILDINGS AND DN100 FOR OTHER CLASSES OF BUILDING OR AS REQUIRED BY THE REGULATORY AUTHORITY
- ALL STORMWATER DRAINAGE PITS IN GARDEN OR TURFED AREAS TO BE FITTED WITH PERFORATED GALVANISED STEEL MESH UNDER THE LIDS TO PREVENT DEBRIS ENTERING STORMWATER NETWORK.
- PIPE INSTALLATION TO BE IN ACCORDANCE WITH THE REQUIREMENTS OF CURRENT AS3500.3 AND RELEVANT VOLUME OF NCC (NATIONAL CONSTRUCTION CODE). THIS IS CONTRACTOR'S RESPONSIBILITY TO CHECK IMPACT OF PIPE TRENCHING TO SURROUNDING STRUCTURAL AND NON STRUCTURAL ELEMENTS.

AS 3500.3- TABLE 8.2
SIZE OF MINIMUM INTERNAL DIMENSIONS
FOR STORMWATER AND INLET PITS

DEPTH OF INVERT OF OUTLET	MINIMUM INTERNAL DIMENSIONS (mm)		
	RECTANGULAR WIDTH	LENGTH	CIRCULAR DIAMETER
≤600	450	450	600
>600 ≤900	600	600	900
>900 ≤1200	600	900	1000
>1200	900	900	1000

DRAWING LIST	
DRAWING NUMBER	DRAWING NAME

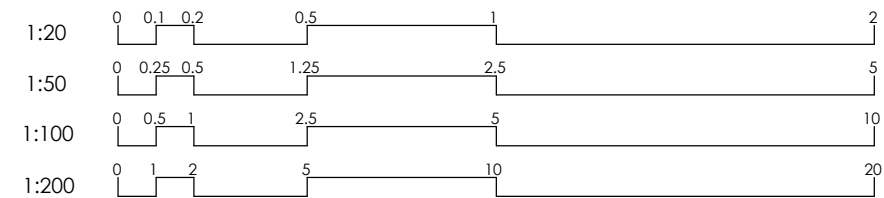
D00	COVER SHEET, LEGEND & DRAWING SCHEDULE
D01	BASEMENT STORMWATER DRAINAGE PLAN
D02	GROUND FLOOR STORMWATER DRAINAGE PLAN
D04	ROOF STORMWATER DRAINAGE PLAN
D05	POST DEVELOPMENT CATCHMENT PLAN
D09	STORMWATER DRAINAGE SECTIONS AND DETAILS SHEET 1
D10	STORMWATER DRAINAGE SECTIONS AND DETAILS SHEET 2
D15	EROSION AND SEDIMENT CONTROL PLAN AND DETAILS



IMPORTANT:
CONTRACTOR TO OBTAIN CURRENT SET OF
"DIAL BEFORE YOU DIG" PLANS ON SITE ALL
TIMES AND PRIOR TO CONSTRUCTION WORKS

A	ISSUED FOR D.A.	31.05.22	J.E.	K.E.	
No.	Description	Date	Issued by	Checked by	

SCALE BARS



CLIENT:

-

ARCHITECT:

WALSH ARCHITECTS



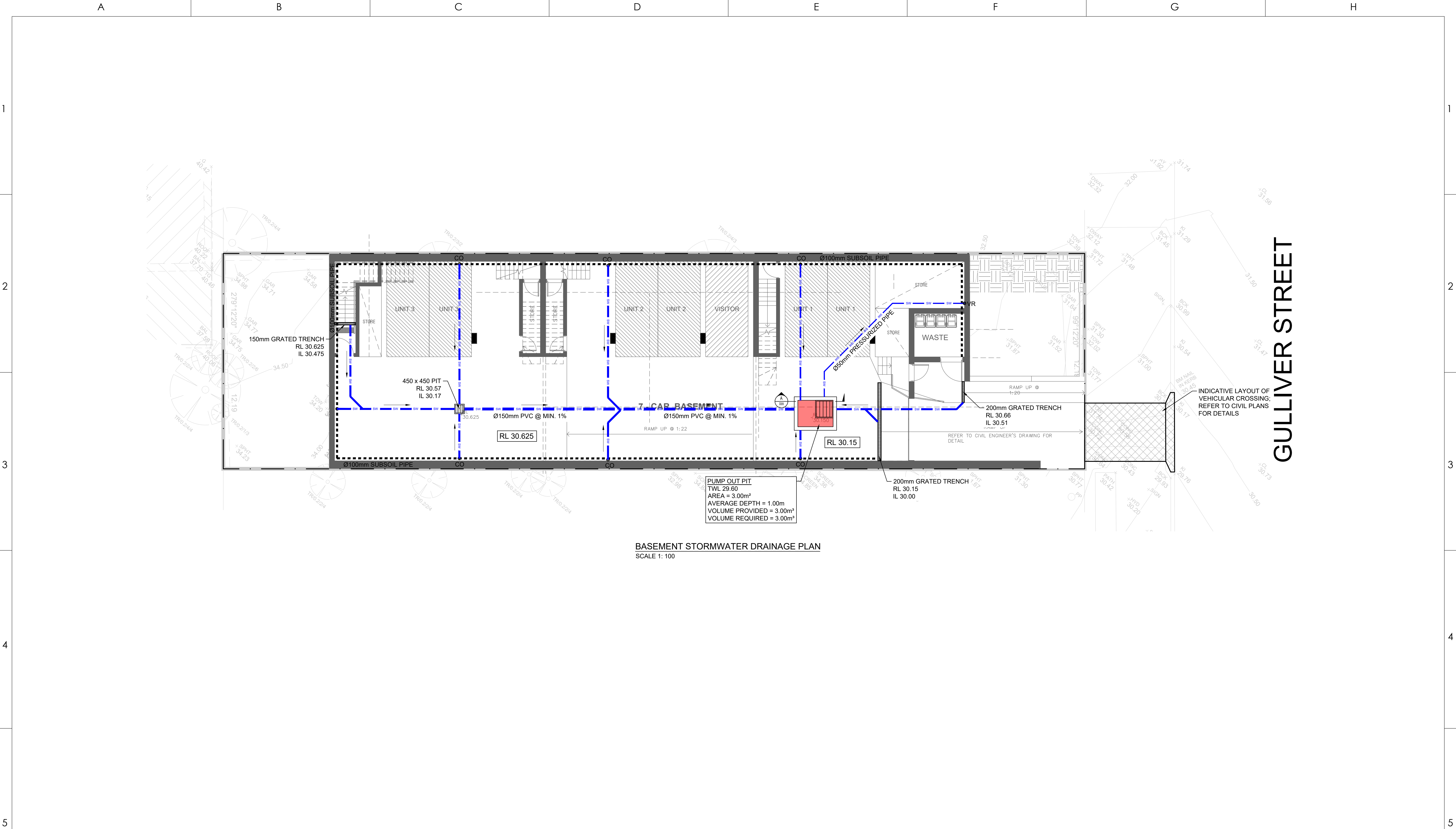
SUIT 2.04, L2, BLDG 3,
35 WATERLOO RD., MACQUARIE PARK, NSW, 2113
info@smartstructs.com.au | www.smartstructs.com.au

DRAWING TITLE
**COVER SHEET, LEGEND &
DRAWING SCHEDULE**

SHEET NO. D00	REV. A	SCALE @ A1 NTS
DESIGNED: K.E.	DRAWN: J.E.	AUTHORISED: K.E.

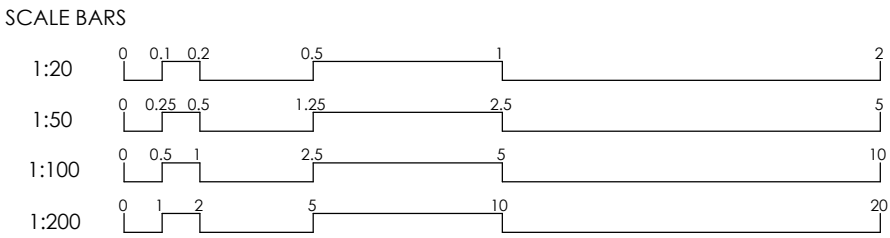
PROJECT
27 GULLIVER STREET, BROOKVALE
NSW 2100

NORTH	PROJECT NO. 220098
	PROJECT START DATE: MAY 2022



BASEMENT STORMWATER DRAINAGE PLAN
SCALE 1: 100

B	ISSUED FOR D.A.	27.06.22	J.E.	K.E.	
A	ISSUED FOR D.A.	31.05.22	J.E.	K.E.	
No.	Description	Date	Issued by	Checked by	



CLIENT:
-
ARCHITECT:
WALSH ARCHITECTS

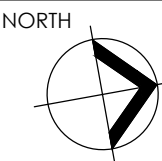


SUIT 2.04, L2, BLDG 3,
35 WATERLOO RD., MACQUARIE PARK, NSW, 2113
info@smartstructs.com.au | www.smartstructs.com.au

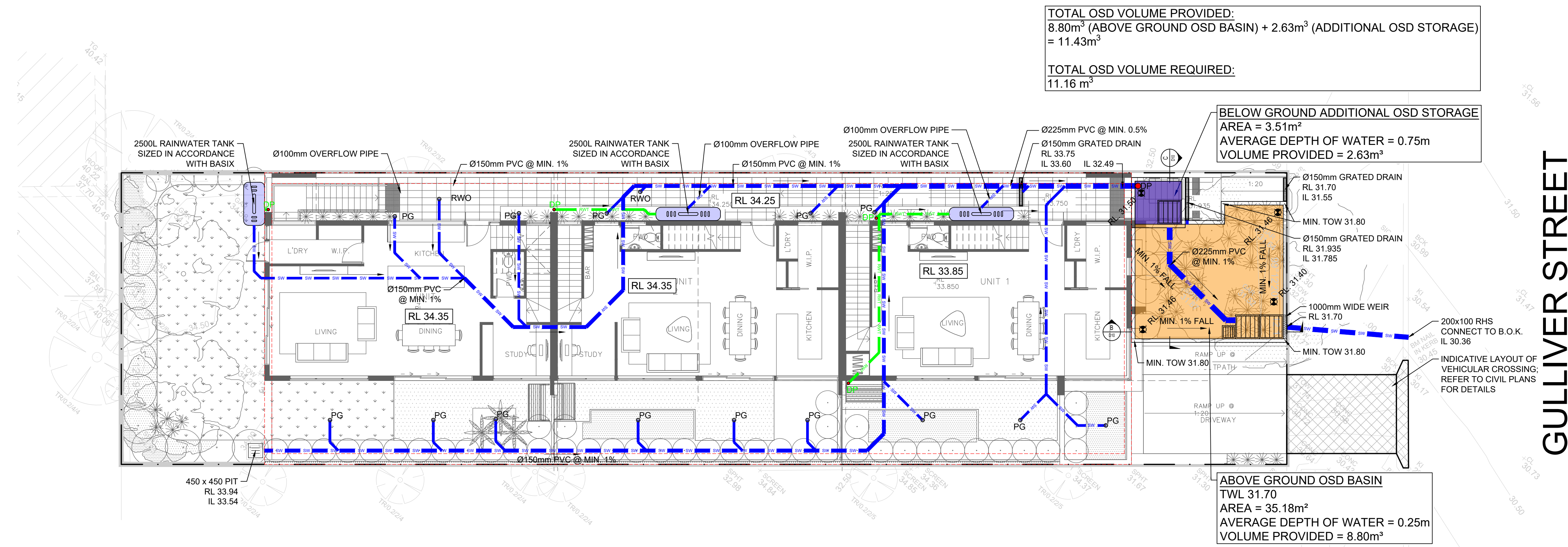
DRAWING TITLE
BASEMENT STORMWATER DRAINAGE
PLAN

SHEET NO. D01	REV. B	SCALE @ A1 AS SHOWN
DESIGNED: K.E.	DRAWN: J.E.	AUTHORISED: K.E.

PROJECT
27 GULLIVER STREET, BROOKVALE
NSW 2100

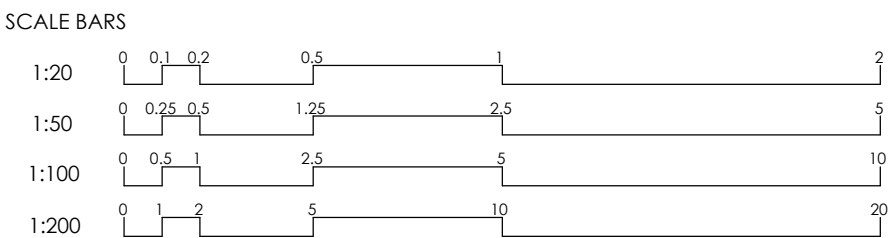


PROJECT NO.
220098
PROJECT START DATE:
MAY 2022



GROUND FLOOR STORMWATER DRAINAGE PLAN
SCALE 1: 100

B	ISSUED FOR D.A.	27.06.22	J.E.	K.E.	
A	ISSUED FOR D.A.	31.05.22	J.E.	K.E.	
No.	Description	Date	Issued by	Checked by	



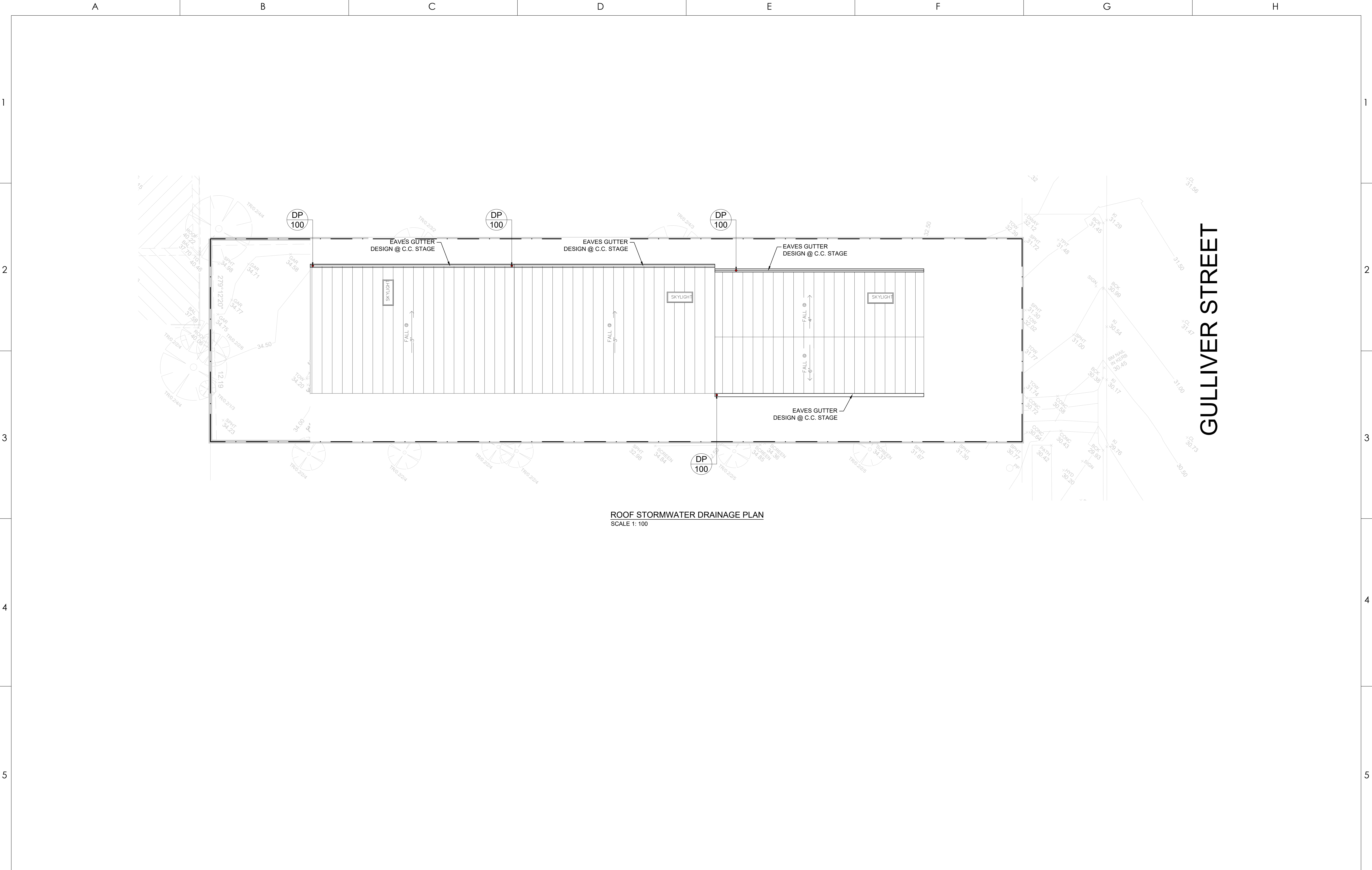
CLIENT:
-

ARCHITECT:
WALSH ARCHITECTS



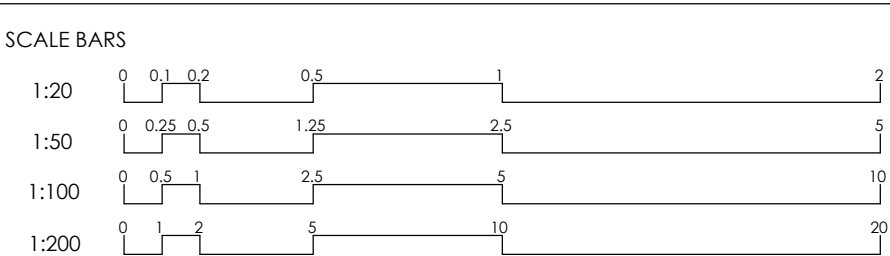
SUIT 2.04, L2, BLDG 3,
35 WATERLOO RD., MACQUARIE PARK, NSW, 2113
info@smartstrcuts.com.au | www.smartstrcuts.com.au

DRAWING TITLE GROUND FLOOR STORMWATER DRAINAGE PLAN			PROJECT 27 GULLIVER STREET, BROOKVALE NSW 2100	
SHEET NO. D02	REV. B	SCALE @ A1 AS SHOWN		PROJECT NO. 220098
DESIGNED: K.E.	DRAWN: J.E.	AUTHORISED: K.E.		PROJECT START DATE: MAY 2022



ROOF STORMWATER DRAINAGE PLAN
SCALE 1: 100

B	ISSUED FOR D.A.	27.06.22	J.E.	J.E.	
A	ISSUED FOR D.A.	31.05.22	J.E.	K.E.	
No.	Description	Date	Issued by	Checked by	



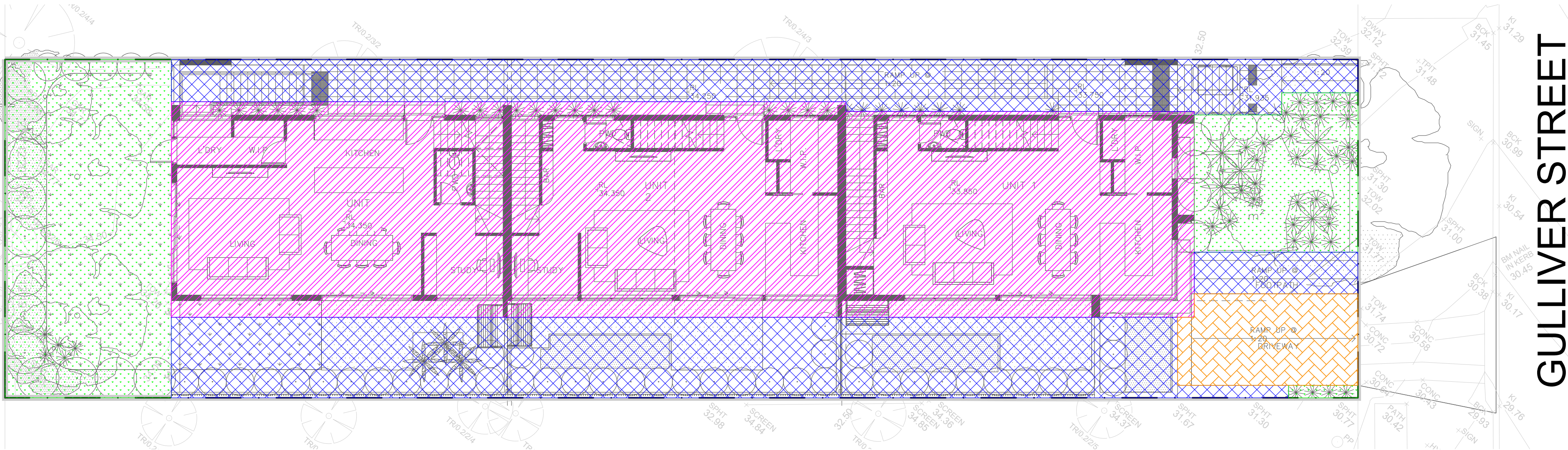
CLIENT:
-

ARCHITECT:
WALSH ARCHITECTS

**SMART**
STRUCTURES
AUSTRALIA

SUIT 2.04, L2, BLDG 3,
35 WATERLOO RD., MACQUARIE PARK, NSW, 2113
info@smartstructs.com.au | www.smartstructs.com.au

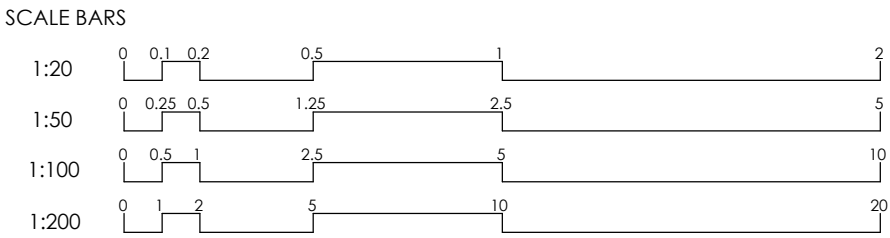
DRAWING TITLE ROOF STORMWATER DRAINAGE PLAN			PROJECT 27 GULLIVER STREET, BROOKVALE NSW 2100	
SHEET NO. D04	REV. B	SCALE @ A1 AS SHOWN		PROJECT NO. 220098
DESIGNED: K.E.	DRAWN: J.E.	AUTHORISED: K.E.		PROJECT START DATE: MAY 2022



POST DEVELOPMENT CATCHMENT PLAN
SCALE 1: 100

POST DEVELOPMENT CATCHMENT ANALYSIS:			
TOTAL SITE AREA:	594.58 m²		
AREA DRAINING TO OSD:	594.58 m²		
ROOF	282.00 m²		
HARDSTAND	186.00 m²		
DRIVEWAY	20.93 m²		
LANDSCAPE	105.65 m²		

B	ISSUED FOR D.A.	27.06.22	J.E.	K.E.	
A	ISSUED FOR D.A.	31.05.22	J.E.	K.E.	
No.	Description	Date	Issued by	Checked by	



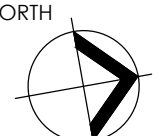
CLIENT:
-

ARCHITECT:
WALSH ARCHITECTS



SMART
STRUCTURES
AUSTRALIA

SUIT 2.04, L2, BLDG 3,
35 WATERLOO RD., MACQUARIE PARK, NSW, 2113
info@smartstructs.com.au | www.smartstructs.com.au

DRAWING TITLE POST DEVELOPMENT CATCHMENT PLAN			PROJECT 27 GULLIVER STREET, BROOKVALE NSW 2100	
SHEET NO. D05	REV. B	SCALE @ A1 AS SHOWN		PROJECT NO. 220098
DESIGNED: K.E.	DRAWN: J.E.	AUTHORISED: K.E.		PROJECT START DATE: MAY 2022

DRAINS MODEL AND RESULTS ARE PRESENTED IN THIS PLAN.

* OSD volume required has been increased by 20% due to above ground OSD in landscaping area



SECTION THROUGH OSD
SCALE NTS

SCALE BARS

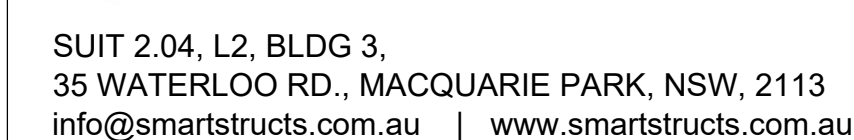
1:20 0 0.1 0.2 0.5 1

1:50 0 0.25 0.5 1.25 2.5

1:100 0 0.5 1 2.5 5

1:200 0 1 2 5 10

WALSH ARCHITECTS



AUTHORISED:
K E

	PROJECT START DATE: MAY 2022
--	--

