11 SURREY AVENUE, GEORGES HALL STORMWATER MANAGEMENT PLANS

STORMWATER DESIGN NOTES

- 1. ALL DRAINAGE WORKS ARE TO BE IN ACCORDANCE WITH AS/NZS 3500.3 STORMWATER DRAINAGE, CANTERBURY BANKSTOWN CITY COUNCIL DEVELOPMENT ENGINEERING STANDARDS CHAPTER 3.1. .
- 2. THE SITE IS NOT FLOOD AFFECTED BASED ON A DESKTOP ASSESSMENT OF FLOOD MAP AVAILABLE AT HTTPS://www.cbcity.nsw.gov.au/environment/rivers-creek s/floodplain-management
- 3. THE SITE AREA = 452 m2
- TOTAL SITE EXISTING IMPERVIOUS AREA = 255 m2 (56%)
- TOTAL SITE PROPOSED IMPERVIOUS AREA = 275 m2 (60.8%)
- 4. OSD IS NOT REQUIRED FOR THE DEVELOPMENT BASED ON A DESKTOP ASSESSMENT OF CANTERBURY BANKSTOWN CITY COUNCIL DCP DEVELOPMENT ENGINEERING STANDARDS CHAPTER 3.1
- 5. RAINWATER TANK IS REQUIRED FOR THE DEVELOPMENT BASED ON A DESKTOP ASSESSMENT OF THE LASTEST BASIX CERTIFICATE.
- 6. THE POINT OF DISCHARGE SHALL BE VIA NEW STORMWATER CONNECTION TO COUNCIL KERB AND GUTTER SYSTEM.

ABBREVIATIONS

LEVELS

FFL FINISHED FLOOR LEVEL

IL INVERT LEVEL

RL REDUCED LEVEL

H/L HIGH LEVEL

L/L LOW LEVEL

+ NEW REDUCED LEVEL

X EXISTING LEVEL

AND AUSTRALIAN HEIGHT DA

AHD AUSTRALIAN HEIGHT DATUM

OFP OVERLAND FLOW PATH

SSL STRUCTURAL SLAB LEVEL

SRZ STRUCTURAL ROOT ZONE

TRZ TREE ROOT ZONE

UNO UNLESS NOTED OTHERWISE

FIXTURES

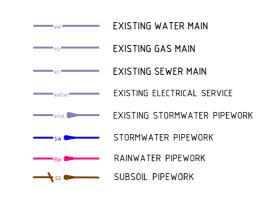
SWP	STORMWATER PIT (GRATE/SEALED)
PB0	PLANTER BOX OUTLET
CO	CLEAR OUT
GD	GRATED TRENCH DRAIN
RWT	RAINWATER TANK

KERB INLET PIT

P1

RAINWATER OUTLET

SERVICES LEGEND





ROOF DRAINAGE FIXTURES

RHS RECTANGULAR HOLLOW SECTION

O/F OVERFLOW

SP SPREADER

DP DOWN PIPE

RH RAINWATER HEAD

BO BALCONY OUTLET

SITE LOCALITY PLAN

DRAWING LIST						
DRAWING NUMBER	DRAWING NAME					
2024H0016-SW01	COVER SHEET, NOTES & LEGEND					
2024H0016-SW02	SEDIMENT AND EROSION CONTROL PLAN					
2024H0016-SW03	CATCHMENT PLAN					
2024H0016-SW04	GROUND FLOOR PLAN					
2024H0016-SW05	BASEMENT FLOOR PLAN					
2024H0016-SW06	DETAILS SHEET					

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COVER SHEET, NOTES & LEGEND

2024H0016-SW01

MASTERS GROUP ASSET HOLDINGS PTY LTD

ROJECT NAME

11 SURREY AVENUE, GEORGE HALL

DESIGNER T.N DATE CREATED 17.06.2024

ENGINEER T.N STATUS DA

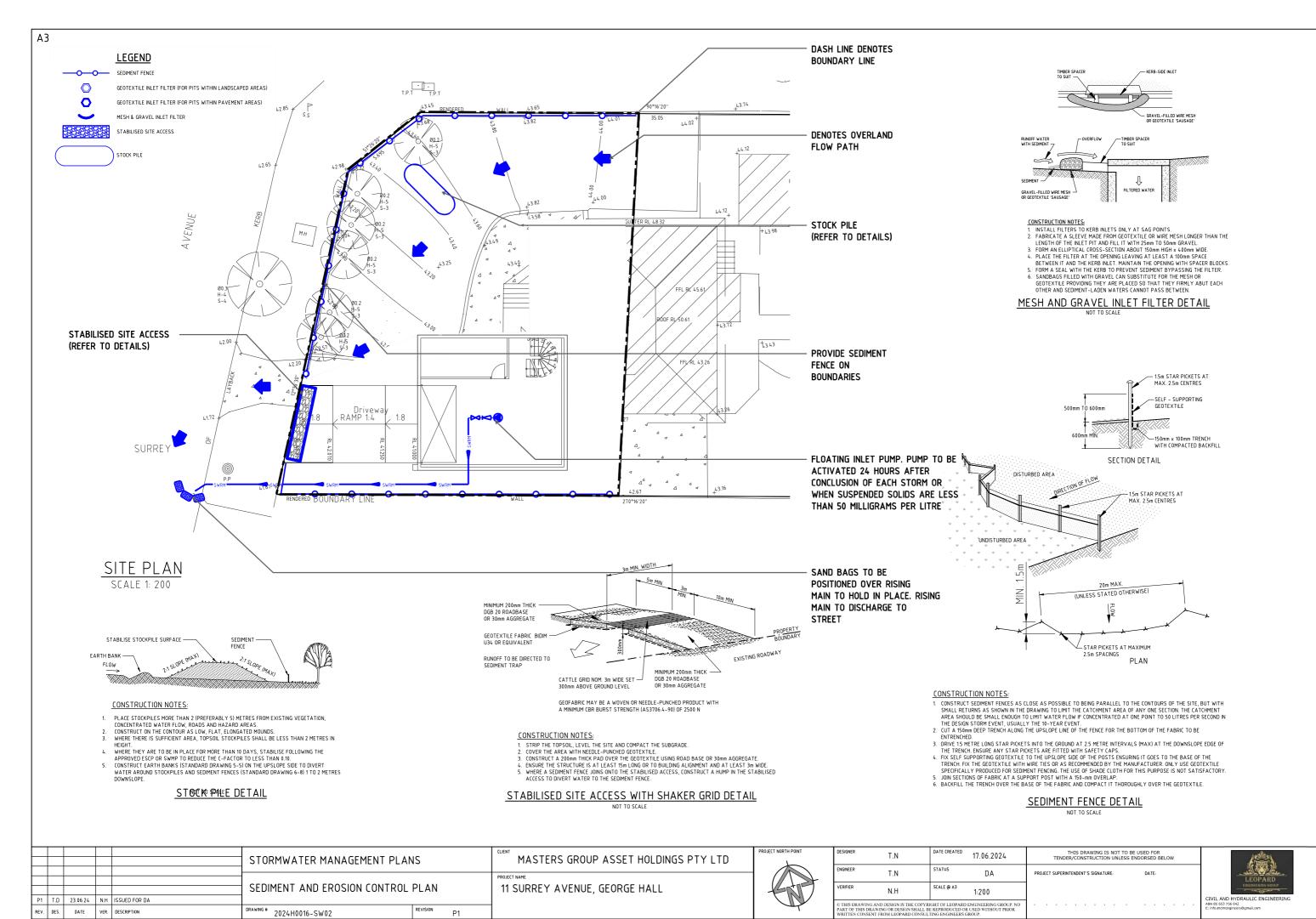
VERIFIER N.H SCALE @ A3 N/A

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TENDER/CONSTRUCTION UNLESS ENDORSED BELOW

PROJECT SUPERINTENDENT'S SIGNATURE:

DATE:





PERCENTAL PROPOSED IMPERVIOUS AREA IS AS SHE TOTAL PROPOSED IMPERVIOUS AREA IS BEST TOTAL PROPOSED IMPERVIOUS AREA IS BEST

PRE-DEVELOPED IMPERVIOUS CATCHMENT PLAN
SCALE 1:200

TOTAL EXISTING IMPERVIOUS AREA = 255 m2.

(56% OF THE TOTAL SITE AREA)

POST-DEVELOPED IMPERVIOUS CATCHMENT PLAN

(60.8% OF THE TOTAL SITE AREA)

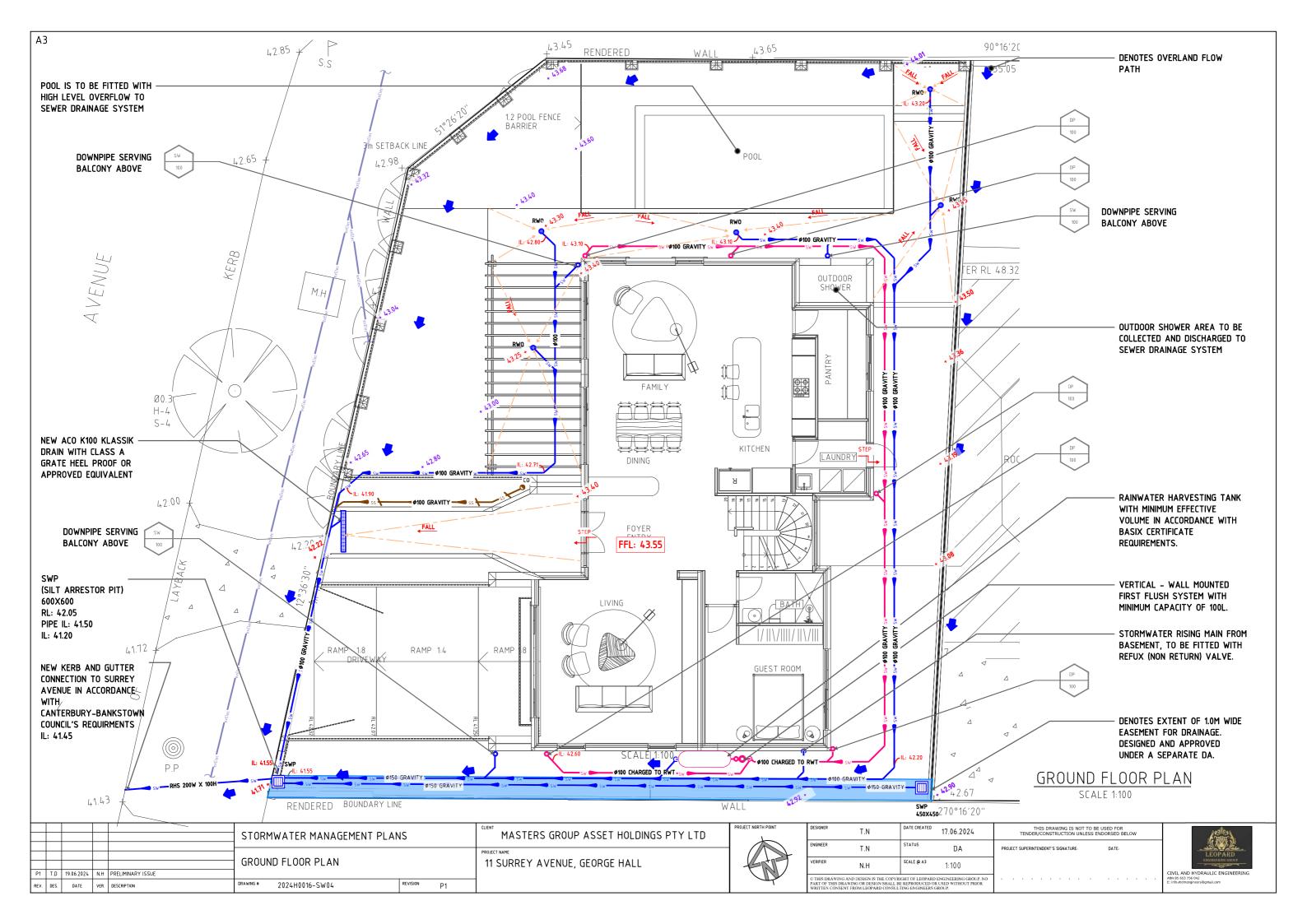
SCALE 1:200

F					STORMWATER MANAGEMENT PLAN	1S	MASTERS GROUP ASSET HOLDINGS PTY LTD
E					CATCHMENT PLAN		PROJECT NAME 11 CLIDDEY AVENUE GEODGE HALL
H		22.44.04		LISSUSS SOR DA	T CATCHILLINI PLAN		11 SURREY AVENUE, GEORGE HALL
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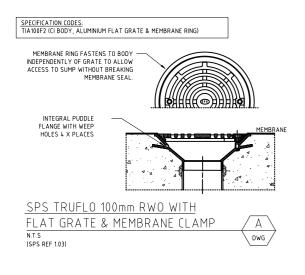


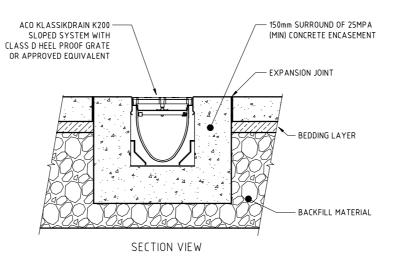
					STORMWATER MANAGEMENT PLAN	15	MASTERS GROUP ASSET HOLDINGS PTY LTD	1
					BASEMENT FLOOR PLAN		PROJECT NAME 11 SURREY AVENUE, GEORGE HALL]
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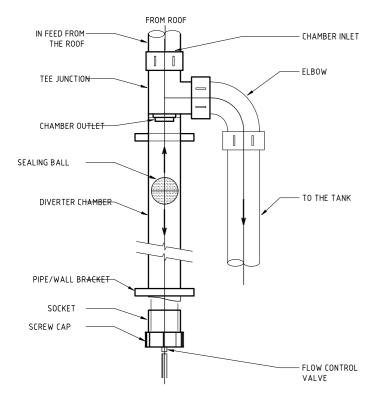


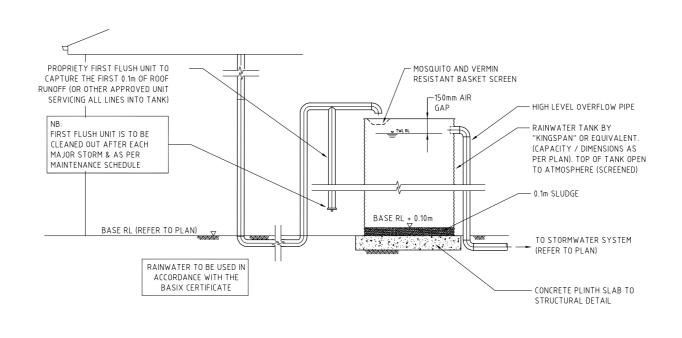




TRENCH GRATE (200mm WIDE) CLASS D

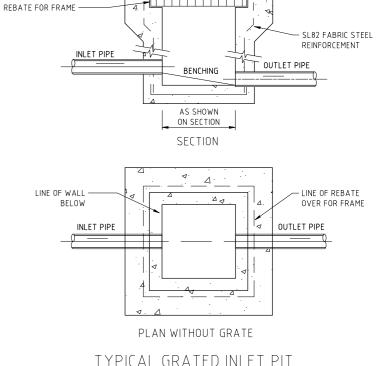
ARI Rainfall Intensity (mm/hr)	36.80
Coeffient of Runoff	
TANK SIZE	3)
Nominate Pumpout Tank Length (m)	2.00
Nominate Pumpout Tank Width (m)	2.00
Minimum Effective Depth (m)	0.75
D = V/(L * W)	
TANK VOLUME	
Catchment Area [A] Discharging to Pump (m2)	72.00
Peak Discharge (Rational Method) [Q] (I/h/m2)	36.80
Q = Cr*l	
Volume For 2 Hour Storm (m3)	5.30
V_2hour = Q*Tc*Ac (Tc = 2hour)	
Pump Capacity For 30 Minutes Storm (m3)	3.60
Assumed Pump Duty of 21/s @ 10m Head	*
Design Storage Required [V] (m3)	3.00
V-design = V 2hour - PC 30 minutes (AS3500.3)	-





ABOVE GROUND RAINWATER STORAGE TANK

PROJECT NORTH POINT



TYPICAL GRATED INLET PIT

DOWNPIPE FIRST FLUSH DIVERTER	\
N.T.S	7

					STORMWATER MANAGEMENT PLAN	IS	
					DETAILS SHEET		
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11 SURREY AVENUE, GEORGE HALL

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