

WINDALE COMMUNITY FACILITY AND LIBRARY STORMWATER SERVICES

LEGEND

ABBREVIATIONS

ARI	AVERAGE RECURRENCE INTERVAL
CO	CLEAROUT
Ø	DIAMETER
DICL	DUCTILE IRON CEMENT LINED
DP	DOWNPipe
DWG	DRAWING
e	EXISTING
FRC	FIBRE REINFORCED CONCRETE
GMS	GALVANISED MILD STEEL
GTID	GRADED TRENCH DRAIN
HDPE	HIGH DENSITY POLYETHYLENE
IL	INVERT LEVEL
kPa	KILOPASCALS
l	LITRES
L/s	LITRES PER SECOND
m	METRES
m ²	SQUARE METRE
m ³	CUBIC METRES
m/s	METRES PER SECOND
mm	MILLIMETRES
NOM	NOMINAL
OF	OVERFLOW
PDO	PLANTER DRAIN OUTLET
PVC	UNPLASTICIZED POLYVINYL CHLORIDE
Q100	QUANTITY OF FLOW FOR 100 YEAR ARI STORM
Q20	QUANTITY OF FLOW FOR 20 YEAR ARI STORM
RCP	REINFORCED CONCRETE PIPE
RHS	RECTANGULAR HOLLOW SECTION
RL	REDUCED LEVEL
R/O	RAINWATER OUTLET
SRWM	STORMWATER RISING MAIN
SAC	SEWER ACCESS CHAMBER
SWP	STORMWATER PIT
UNO	UNLESS NOTED OTHERWISE

PIPE SERVICES

	EXISTING/NATURAL CONTOUR
	STORMWATER DRAINAGE
	RAINWATER DRAINAGE
NOTE: NOT ALL RAINWATER IS COLLECTED BY TANK	
	SUBSOIL DRAINAGE
	CATCHMENT EXTENT
	SEDIMENT FENCE
	EXISTING SERVICE
	EXISTING REDUNDANT SERVICE TO BE REMOVED
	EXISTING AUTHORITY WATER MAIN
	EXISTING AUTHORITY SEWER MAIN
	EXISTING AUTHORITY STORMWATER MAIN
	EXISTING AUTHORITY GAS MAIN
	EXISTING AUTHORITY TELECOMMUNICATION CONDUIT
	EXISTING AUTHORITY ELECTRICITY SERVICE
	ELECTRICAL CONDUIT

SYMBOLS

	PENETRATING PIPE
	NON-PENETRATING PIPE
	PENETRATING OFFSET
	NON-PENETRATING OFFSET
	PENETRATING TEE DROPPER
	NON-PENETRATING TEE DROPPER
	PIPE BREAK
	CAPPED SERVICE
	OPEN ENDED PIPE
	CONNECT TO EXISTING PIPE
	SERVICE CONNECTION
	STREET HYDRANT
	SURFACE FLOW DIRECTION
	SURFACE GRADING TO DIRECT FLOW
	PIPE NETWORK NODE
	OVERFLOW GULLY
	CLEAR OUT
	PLANTER DRAIN OUTLET
	RAINWATER OUTLET
	WATER METER
	GRATED TRENCH DRAIN
	FOR CONTINUATION SEE DWG No.

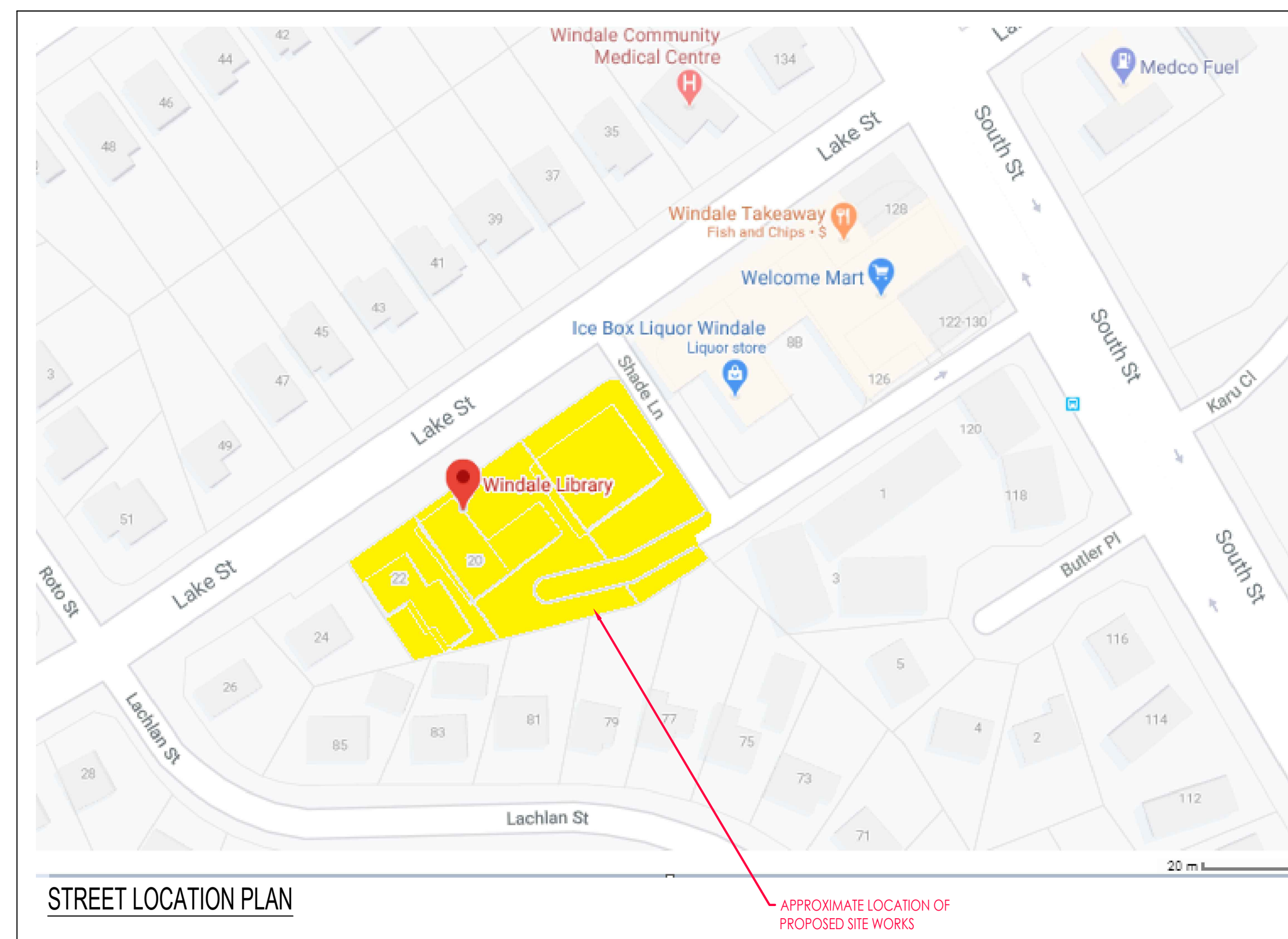
CW100 1:20

DETAIL NUMBER & DESCRIPTION

DRAWING REFERENCE & SCALE

SCHEDULE OF DRAWINGS

DRAWING No.	DRAWING TITLE
SYD18387-SW000	COVER SHEET, LEGEND & DRAWING SCHEDULE
SYD18387-SW001	SOIL & WATER MANAGEMENT PLAN
SYD18387-SW100	LOWER GROUND FLOOR PLAN
SYD18387-SW101	GROUND FLOOR PLAN - WEST
SYD18387-SW102	GROUND FLOOR PLAN - EAST
SYD18387-SW103	ROOF PLAN
SYD18387-SW200	DETAIL SHEET 1
SYD18387-SW201	DETAIL SHEET 2
SYD18387-SW201	DETAIL SHEET 3



IMPORTANT - FOR PRINCIPAL CONTRACTOR						
TO ENABLE THE ISSUE OF STORMWATER CERTIFICATION PERMITTING OCCUPATION IN ALIGNMENT WITH COUNCIL LEGISLATION, SITE INSPECTIONS MUST OCCUR. THE PRINCIPAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL STORMWATER INSPECTIONS. ABSENCE OF INSPECTION WILL PREVENT ISSUE OF STORMWATER CERTIFICATION. SITE INSPECTIONS ARE TO BE COMPLETED BY ERBAS AS FOLLOWS:						
INSPECTION NO.	STORMWATER INSPECTION REQUIREMENTS	ERBAS REPRESENTATIVE		INSPECTION DATE	PASS	FAIL
		NAME	SIGNATURE		TICK	✓ OR
1	INSPECTION OF INGROUND STORMWATER DRAINAGE PRIOR TO BACKFILL (MANDATORY)					
2	INSPECTION OF ANY INGROUND STORMWATER DRAINAGE NOT VIEWED AT INSPECTION NO. 1 (OPTIONAL)					
3	INSPECTION OF INFILTRATION PIT / TANK / TRENCH PRIOR TO BACKFILL (JOB SPECIFIC)					
4	FINAL INSPECTION ON COMPLETION OF ALL LANDSCAPING & POST COMMISSIONING OF THE STORMWATER SYSTEM (MANDATORY)					
5	SURVEY OF RAINWATER & ONSITE DETENTION TANKS & WORKS AS EXECUTED STORMWATER DRAWINGS (MANDATORY) *TO BE PROVIDED TO ERBAS PRIOR TO INSPECTION					

THIS DRAWING HAS BEEN PREPARED IN CONJUNCTION WITH THE FOLLOWING DRAWINGS:			
Discipline	Dwg. No.	Date	Revisions
ARCH PLAN	-	-	-
ARCH ELEV	-	-	-
STRUCTURAL	-	-	-
MECHANICAL	-	-	-
ELECTRICAL	-	-	-
CIVIL	-	-	-
LANDSCAPE	-	-	-

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ARCHITECT

A d r i a n o P u p i l l i A r c h i t e c t s

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AA

CLIENT


The logo features a stylized sailboat with a yellow sail and a blue hull, set against a green wave. Below the graphic, the text "Lake Macquarie City Council" is written in a blue serif font.

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BUILDING SERVICES ENGINEER

erbasTM 

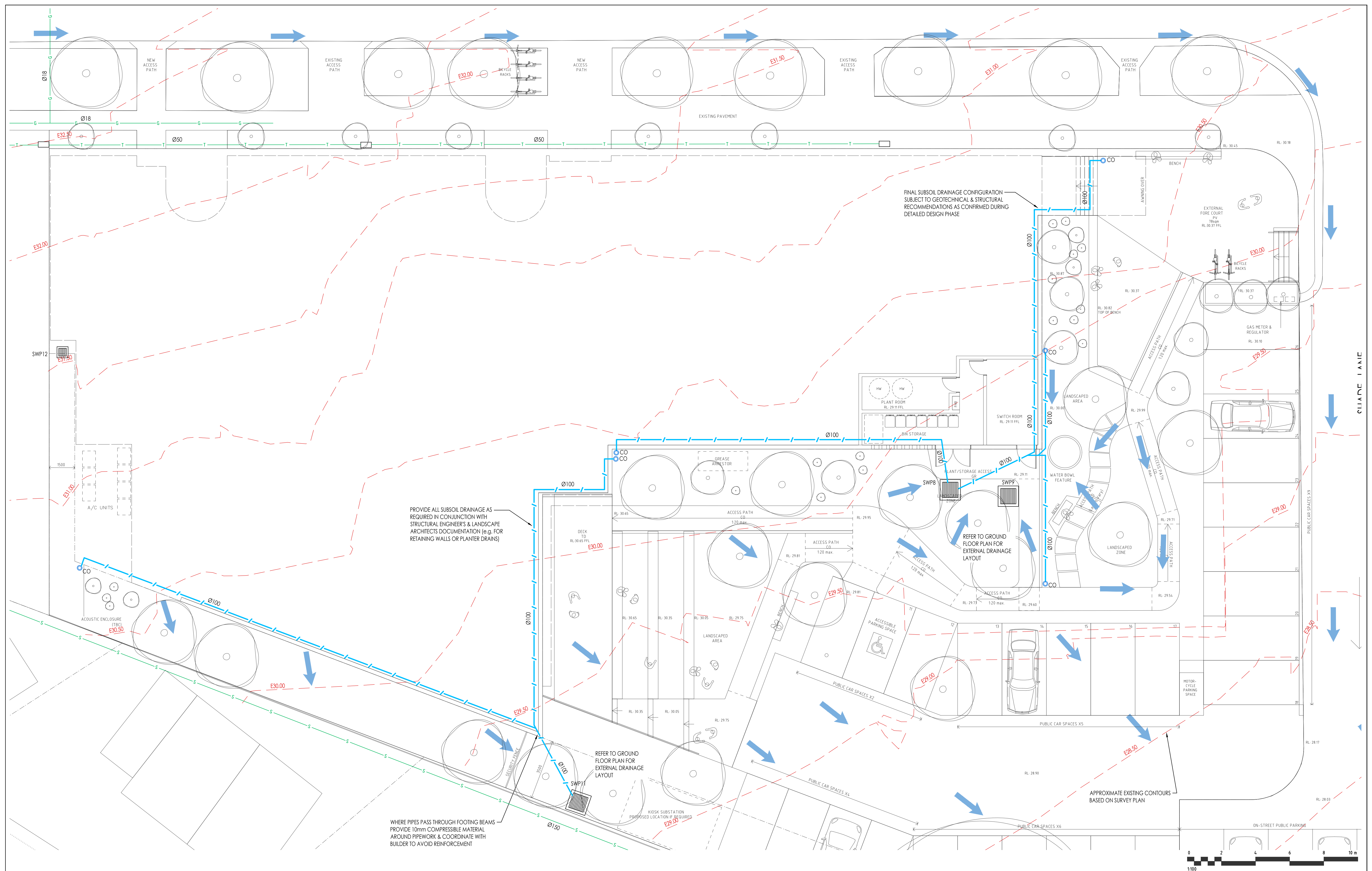
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	MS
NORTH POINT	

PROJECT
WINDALE COMMUNITY
FACILITY AND LIBRARY

DRAWING TITLE			
STORMWATER SERVICES			
COVER SHEET, LEGEND &			
DRAWING SCHEDULE			
SCALE of A1	PROJECT No.	DRAWING No.	ISSUE
NTS			
DATE			
JUN 2020			
DRAWN	SYD18387-SW000		P2



Discipline	Disc. No.	Date	Revisions
ARCHITECT	WIN DA 008 Proposed Lower Ground Floor Plan 200703	03.07.20	A
STRUCTURAL			
MECHANICAL			
ELECTRICAL			
DATA			
LANDSCAPE			

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ISSUE	DATE	AMENDMENT
P1	03.07.20	DEVELOPMENT APPLICATION

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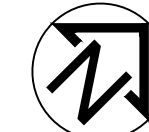
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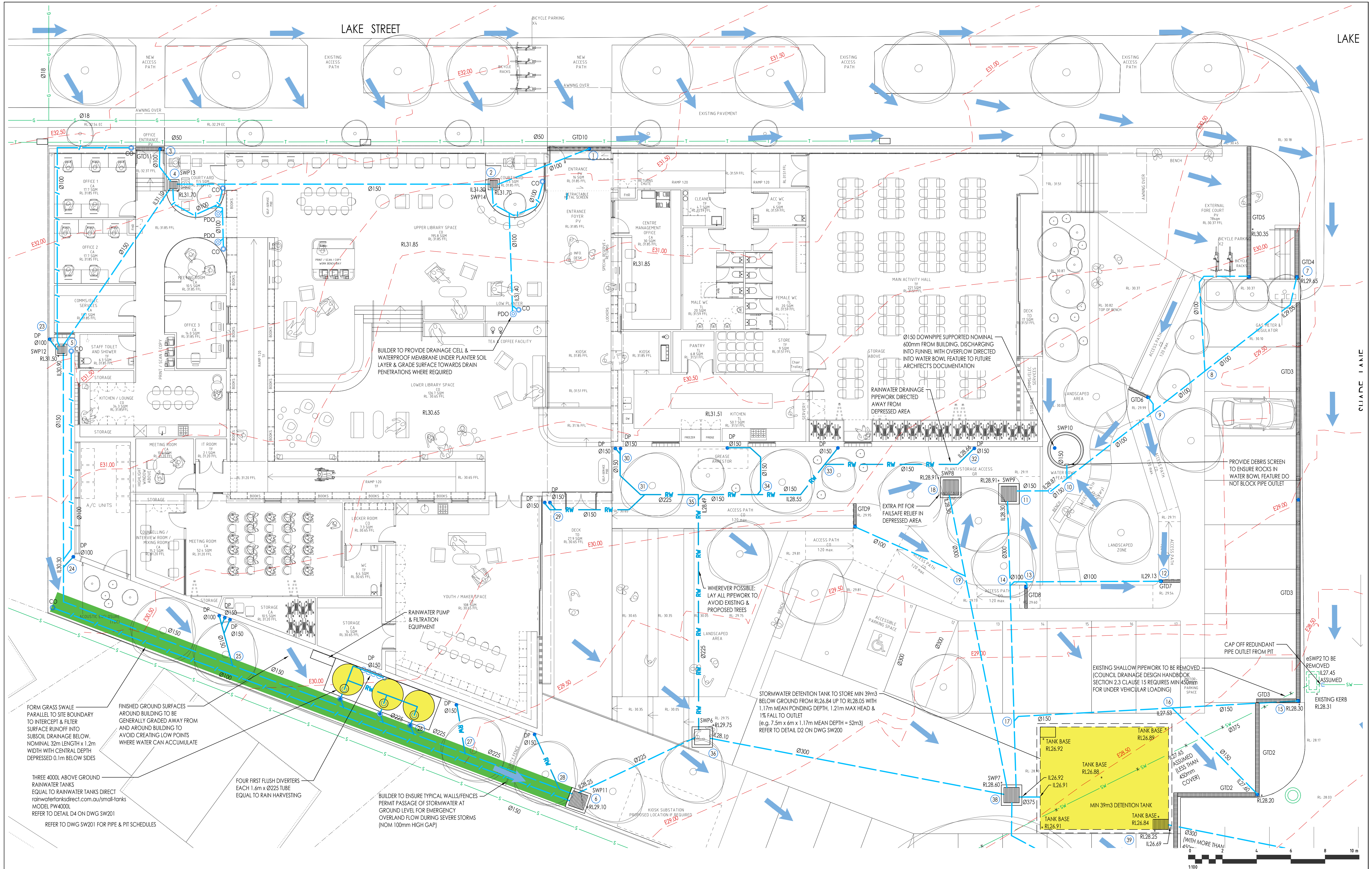


PROJECT

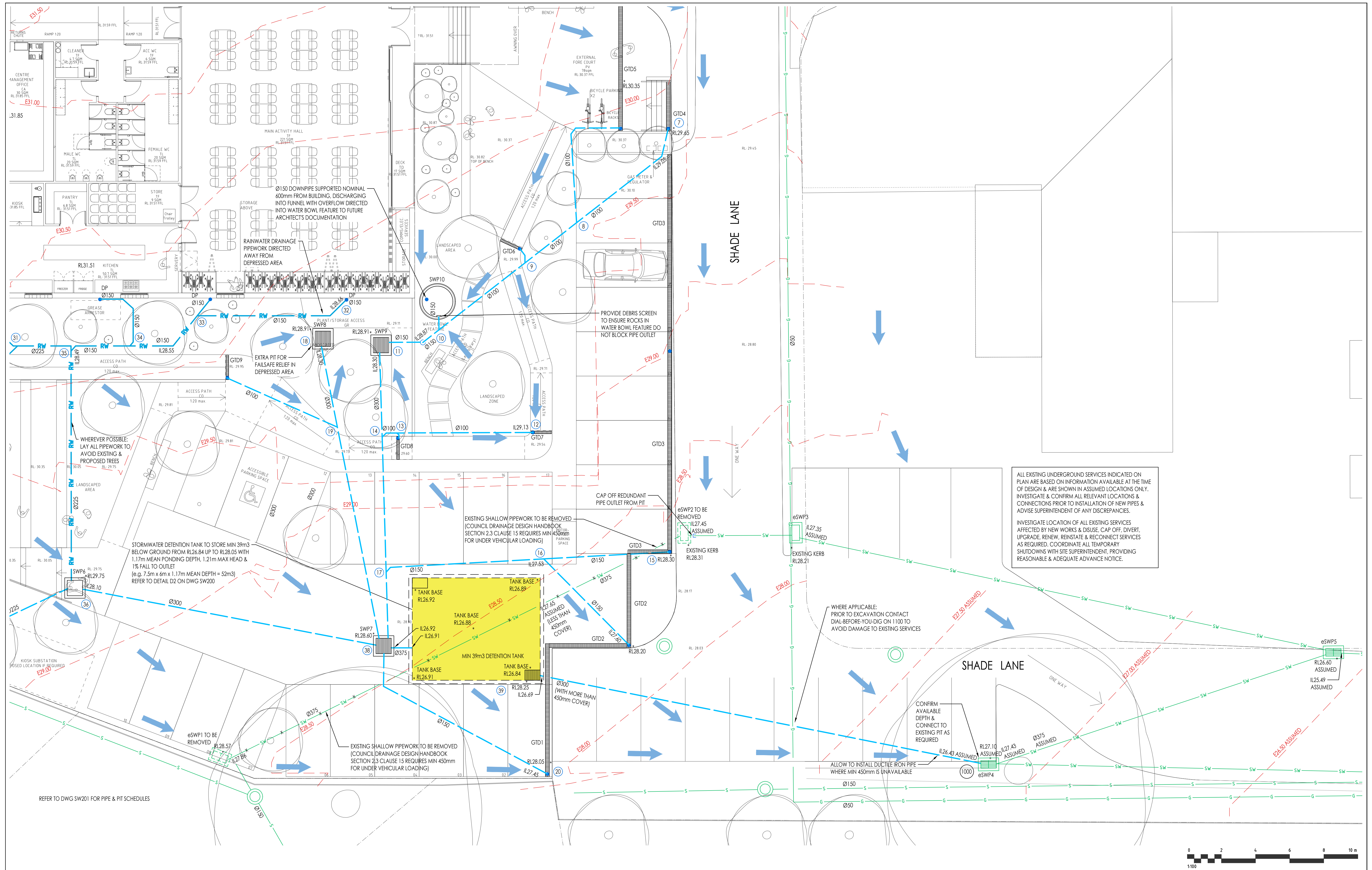
WINDALE COMMUNITY
FACILITY AND LIBRARY

DRAWING TITLE
STORMWATER SERVICES
LOWER GROUND FLOOR PLAN

SCALE OF A1	PROJECT No.	DRAWING No.	ISSUE
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DATE			
JUN 2020			
DRAWN			
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	SYD18387-SW100		P1



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Discipline				Draw No.		Date		Item		Revisions		P1		03.07.20		DEVELOPMENT APPLICATION		IY		STORMWATER SERVICES																							
ARCHITPLAN				WIN DA 008 Proposed Ground Floor Plan 201703		03.07.20		A		P2		12.10.20		COUNCIL COMMENTS INCORPORATED		CHECKED		WINDALE COMMUNITY		GROUND FLOOR PLAN - WEST																							
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LANDSCAPE																																											
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Discipline				P1		03.07.20		DEVELOPMENT APPLICATION		Adriano Pupilli Architects		Lake Macquarie City Council		erbas		IY		WINDALE COMMUNITY		STORMWATER SERVICES			
ARCH PLAN				P2		12.10.20		COUNCIL COMMENTS INCORPORATED		T: +61(2) 911 463 88		LAKE MACQUARIE CITY COUNCIL		Sydney Melbourne Manila		CHECKED		FACILITY AND LIBRARY		GROUND FLOOR PLAN - EAST			
ARCH REF										E: info@adrianopupilli.com.au		W: www.lakemac.com.au		L1, 15 Aitchison Street, St Leonards NSW 2065		MS							
STRUCTURAL										M: www.adrianopupilli.com.au				Ph: (02) 9437 1022		NORTH POINT							
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