

HYDRAULIC SERVICES  
PREPARED BY  
**EPICENTRE**  
CONSULTING ENGINEERS

[illegible]

CO-ORDINATED REFERENCE DRAWINGS		
SERVICE	DRAWING NUMBER	DATE
ARCH		
CIVIL		
ELEC		
MECH		
RCP		
STRUCT		

**NOTES:**

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- SYMBOLS ARE DRAWN IN CORRECT LOCATION.
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- DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED ON DRAWING.

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ISO  
9001  
Quality  
Management

Project:

MONA VALE GOLF CLUB  
3 GOLF AVE, MONA VALE  
NSW 2102

Drawing Title:

HYDRAULIC SERVICES  
COVER SHEET & LEGEND

NOT FOR CONSTRUCTION

North Point:	Design:	MOQ		
	Design Validated:	CO		
	Amendment Approved:	JM		
	Drawn:	MOQ		
Date:	JAN 2022	Scale: (A1)	NTS	
Job No.:	Disc:	Dwg No.:	Stages:	Issue
22731-001 - H		- 000 - P	- 02	

## DEVELOPMENT APPLICATION

LOCALITY PLANS  
NTS

HYDRAULIC SERVICES DRAWING SCHEDULE	
DWG No.	DRAWING TITLE
22731-001-H-000	COVERSHEET & LEGEND
22731-001-H-001	SITE PLAN
22731-001-H-100	LOWER GROUND FLOOR - DRAINAGE LAYOUT
22731-001-H-200	LOWER GROUND FLOOR - PRESSURE LAYOUT
22731-001-H-300	DETAILS

FILE NAME & PATH: W:\227xxx\22731 - Mona Vale Golf Club\Design\Hydraulics\22731-001-H-000 Cover Sheet & Legend.dwg PLOTTED BY: 'mohammad.murdis.' PLOT DATE & TIME: 30 Mar 2022 - 5:33pm



1. EXISTING SANITARY DRAINAGE SHOWN IN APPROXIMATE LOCATION AS PER SEWERY WATER SEWER SERVICE DIAGRAM. ALLOW TO ALLOW TO EXISTING EXISTING DRAINAGE TO EXIST. THE FALLS WORK WITH THE REPLACE LAYOUT OF THE CLUB PRIOR TO COMMENCEMENT OF ANY WORKS. IF THE FALLS DO NOT WORK, CONTACT US IMMEDIATELY.
2. ALLOW TO INSPECT EXISTING EARTHENWARE DRAINAGE (BOTH OPENED AND COVERED) WITH CCTV CAMERA FOR DAMAGES AND REPLACE ALL DAMAGED PIPE WORK TO UPVC AS REQUIRED.
3. ALLOW TO LOCATE LOW LEVEL VENT AT THE BOUNDARY TRAP. ALLOW TO SUPPLY AND INSTALL A LOW LEVEL VENT TO BOUNDARY CONNECTION IF NOT PRESENT.
4. ALLOW TO MEASURE INSPECTION OPENING DISTANCES IN THE EXISTING DRAINAGE. ALLOW TO PROVIDE ADDITIONAL INSPECTION OPENINGS IF THE INSPECTION OPENINGS DO NOT CONFORM TO THE AS3500.2:2018.
5. EXISTING 225VC WATER MAIN WATER SEWER MAIN.
6. APPROXIMATE LOCATION OF WATER MAIN. MAKE APPLICATION & PAY ALL ASSOCIATED AUTHORITY FEES & CHARGES WITH NEW 150VC TEE & VALVE CONNECTION TO WATER MAIN. ALLOW FOR ALL COSTS ASSOCIATED WITH WORK OUTSIDE SITE BOUNDARY INCLUDING BUT NOT LIMITED TO AUTHORITY FEES, OPENING REMOVAL & REINSTATEMENT OF EXISTING SURFACES INCLUDING ROADS & TRAFFIC CONTROL.
7. ALLOW TO SUPPLY & INSTALL 100MM SEWERY WATER APPROVED DOUBLE DETECTOR CHECK VALVE.
8. FOR CONTINUATION REFER TO FIRE DRAWINGS.

CO-ORDINATED REFERENCE DRAWINGS		
SERVICE	DRAWING NUMBER	DATE
ARCH	1053-A0010-Site Plan-7	7/28/03/2022
CIVIL		
ELEC		
MECH		
RCP		
STRUCT		

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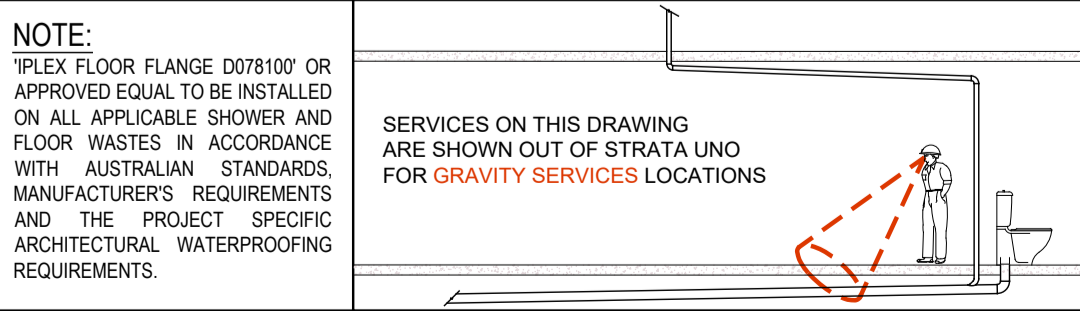


MONA VALE GOLF CLUB  
3 GOLF AVE, MONA VALE  
NSW 2102

# HYDRAULIC SERVICES

## SITE PLAN


North Point:  	Design: MOQ			
	Design Validated: CO			
	Amendment Approved: JM			
	Drawn: MOQ			
	Scale: (A1) 1:250			
Date: JAN 2022	Disc:	Dwg No.:	Stage:	Issue:
22731-001 - H - 001 - P - 03				



13. ALLOW TO EXCAVATE, LOCATE, CUT BACK INTO EXISTING VC PROPERTY DRAINAGE AND CONNECT ALL FIXTURES VIA NEW DN100 UPVC PIPE(S) AS REQUIRED.

Project:

MONA VALE GOLF CLUB  
3 GOLF AVE, MONA VALE  
NSW 2102

North Point: 	Design:	MOQ		
	Design Validated:	CO		
	Amendment Approved:	JM		
	Drawn:	MOQ		
	Date:	JAN 2022		
Scale:	(A1)	1:100		
Job No.:	Disc:	Dwg No.:	Stage:	Issue:
22731-001 - H - 100 - P - 03				

## DEVELOPMENT APPLICATION

**NOTE:**  
 'IPLEX FLOOR FLANGE D078100' OR  
 APPROVED EQUAL TO BE INSTALLED  
 ON ALL APPLICABLE SHOWER AND  
 FLOOR WASTES IN ACCORDANCE  
 WITH AUSTRALIAN STANDARDS,  
 MANUFACTURER'S REQUIREMENTS  
 AND THE PROJECT SPECIFIC  
 ARCHITECTURAL WATERPROOFING  
 REQUIREMENTS.

SERVICES ON THIS DRAWING  
ARE SHOWN OUT OF STRATA UNO  
FOR GRAVITY SERVICES LOCATIONS:

ORIGINAL SIZE: A3P  
FILE NAME & PATH: W:\2727xx\272731 - Mona Vale Golf Club\Design\Hydraulic\272731-001-H-100 Lower Ground Gravity Layout.dwg  
PLOT DATE & TIME: 30 Mar. 2022 - 5:30pm  
PLOT BY: 'mohammad.ouddus'

1. INDICATIVE LOCATION OF COLD WATER SERVICE COMING IN. ALLOW TO LOCATE EXISTING COLD WATER SERVICE AND SUPPLY COLD WATER TO ELECTRIC HOT WATER PLANT AND ALL THE FIXTURES ON THIS LEVEL AS REQUIRED.

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CO-ORDINATED REFERENCE DRAWINGS		
SERVICE	DRAWING NUMBER	DATE
ARCH	1053-A1000-Lower Ground Floor Plan - Proposed-10	10/24/03/2022
CIVIL		
ELEC		
MECH		
RCP		
STRUCT		

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Journal of Clinical Oncology, Vol 24, No 1 (January 7, 2006): pp 1-10

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DEVELOPMENT APPLICATION

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WIDTH						
No. of Heaters	9	10	12	14	16	18
Inline (mm)	3296	-	-	-	-	-
Back to Back (mm)	1844	1844	2207	2570	2933	3296

**BUILDING FLOW TEMPERATURE SENSOR (FIELD INSTALLED)**

Dimensions (mm): 181, 363, 363, 265 max, 1683, 1656 (wall mount), 1629 (insertion point of flue), 1619, 393, 269, 173 (FOR  $\leq 7$  HEATERS), 198 (FOR  $\geq 8$  HEATERS), 840 (SECONDARY PUMP INLET), 1840 (610430), 1640 (610340).

Labels: J BOX, CONTROLLER, GPO, HOT, GAS, COLD, CONDENSATE TRAP, HOT WATER TO BUILDING, BUILDING RETURN, TANK SENSOR FIELD INSTALLED, ECV IF REQUIRED, COLD WATER SUPPLY, LINE STRAINER, UNION AND ISOLATION VALVE (Supplied by Rheem).

## TYPICAL RHEEM HOT WATER PLANT DETAIL

Project:

MONA VALE GOLF CLUB  
3 GOLF AVE, MONA VALE  
NSW 2102

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	Amendment Approved:	JM		
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Scale:		(A1)		NTS
Job No.:	Disc:	Dwg No.:	Stage:	Issue:
22731-001 - H		- 300- P -02		

## DEVELOPMENT APPLICATION

ORIGINAL SIZE AIP

FILE NAME & PATH: W:\227xx\22731 - Mona Vale Golf Club\Design\Hydraulic\22731-001-H-300 Details.dwg

PLOTTED BY: 'mohammad.ouddus'

PLOT DATE & TIME: 30 Mar. 2022 - 5:31pm