

LEGEND

- SD

SD

SD

SRM
- SANITARY DRAINAGE

COLD WATER

SANITARY DRAINAGE RISING MAIN
-
- PUMP WELL

VALVE IN PATHBOX

WATER METER

- CW

SD

PS

FU

LU
- COLD WATER

SANITARY DRAINAGE

PRESSURE SEWER

FIXTURE UNITS (SANITARY DRAINAGE)

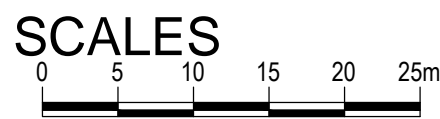
LOADING UNITS (WATER SERVICE)

NOTE: POPULATION CAPACITY

TYPE OF USE / FACILITY	USE	NO. SEATS/ PATRONS/ ROOMS/ EMPLOYEES	AREA M2
VENUE 1	RESTAURANT 1 (existing hotel)	120 patrons	121
VENUE 2	RESTAURANT 2 (new wing)	200 patrons	266
VENUE 3	FUNCTION ROOM (plazza)	120 patrons	141
RESTAURANT 3	RESTAURANT 3 (plazza)	120 patrons	1411
RESTAURANT 4	RESTAURANT 4 (breakfast area)	60 patrons	165
CAFÉ		40 patrons	88
ACCOMMODATION TOTAL		162 rooms / 165 beds / 330 people	
BAR		45 patrons	71
LOUNGE		45 patrons	97
SPA		20 people	416
MASSAGE		6 people	50
GYM		20 people	65
POOL		30 people	515
ART GALLERY/ HEALTH CENTRE		13 people	150

TYPE OF USE / FACILITY	LOADING UNITS ESTIMATE (CW)	FIXTURES UNITS ESTIMATE (SD)
VILLAS WITH COURTYARD	14	14
ECOCABINS TYPE B	14	14
ECOCABINS TYPE A	28	28
NEW FUNCTION ROOM, RESTAURANT, HEALING CENTRE & MUSEUM	39	51
NEW HOTEL WING & & FUNCTION RM	183	195
EXISTING HOTEL	494	506
POOL, GYM & TREATMENTS ROOMS	129	113
TOTAL	901	921

NOTE: LOADING UNITS & FIXTURE UNITS AS PER AS3500



1:500@A1

SANITARY DRAINAGE PIPELINE ALIGNMENT TO BE CONFIRMED TO LIMIT IMPACT ON SENSITIVE VEGETATION COMMUNITIES IN CONSULTATION WITH ECOLOGICAL CONSULTANT

VILLAS WITH COURTYARD

FOOT BRIDGE

PUMP WELL

ECO WALK

PROTECTED

THICK VEGETATION

14LU'S
14FU'S

14LU'S
14FU'S

14LU'S
14FU'S

14LU'S
14FU'S

14LU'S
14FU'S

14LU'S
14FU'S

14LU'S
14FU'S

14LU'S
14FU'S

14LU'S
14FU'S

14LU'S
14FU'S

14LU'S
14FU'S

14LU'S
14FU'S

14LU'S
14FU'S

14LU'S
14FU'S

14LU'S
14FU'S

14LU'S
14FU'S

14LU'S
14FU'S

14LU'S
14FU'S

14LU'S
14FU'S

14LU'S
14FU'S

14LU'S
14FU'S

14LU'S
14FU'S

14LU'S
14FU'S

14LU'S
14FU'S

14LU'S
14FU'S

14LU'S
14FU'S

14LU'S
14FU'S

14LU'S
14FU'S

14LU'S
14FU'S

14LU'S
14FU'S

14LU'S
14FU'S

14LU'S
14FU'S

14LU'S
14FU'S

14LU'S
14FU'S

14LU'S
14FU'S

14LU'S
14FU'S

14LU'S
14FU'S

14LU'S
14FU'S

14LU'S
14FU'S

14LU'S
14FU'S

14LU'S
14FU'S

14LU'S
14FU'S

14LU'S
14FU'S

14LU'S
14FU'S

14LU'S
14FU'S

14LU'S
14FU'S

14LU'S
14FU'S

14LU'S
14FU'S

14LU'S
14FU'S

14LU'S
14FU'S

14LU'S
14FU'S

14LU'S
14FU'S

14LU'S
14FU'S

VILLAS WITH COURTYARD

NEW PUBLIC FOOTPATH

RECEPTION SMALL VENUE FIRE REFUGE

ADJUSTED BOUNDARY POSITION

ECOCABINS

OUTDOOR FUNCTION AREA 2

TIMBER FENCE

PETTING ZOO

PERFORMANCE AMPITHEATRE

ON GROUND OVERFLOW PARKING

OUTDOOR FUNCTION 3 (POTENTIAL OVERFLOW PARKING)

1.8m SANDSTONE WALL

SIGNAGE

REFER TO SHEET 2 FOR CONTINUATION

THIS DRAWING IS BASED ON THE FOLLOWING LAYOUTS AND MEASUREMENTS			
SURVEY		DATE	
ARCH		DATE	

A	ORIGINAL ISSUE	23/03/20	GENERAL
ISSUE	DETAILS OR AMENDMENTS	DATE	ZONE

cohort
engineering

4322 6517

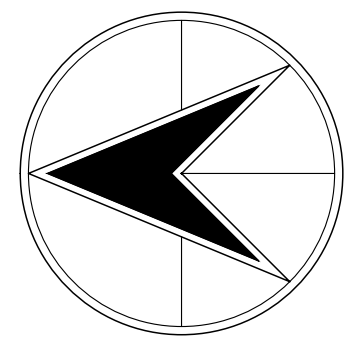
www.cohortengineering.com.au

77 Mann St, Gosford NSW 2250

Civil, Structural, Hydraulics, Flood, Fire Services, Local Government

PROJECT	THE ROBERTSON HOTEL 1 FOUNTAINDALE RD ROBERTSON		
TITLE	WATER & SANITARY DRAINAGE PLAN NORTHERN PORTION OF SITE		
CLIENT	AEAGRAND HOTEL		
DRAWING No.	1939H01-101/A	SHT 1/2	DRAWN-DESIGN-VERIFY AL-AS-DS

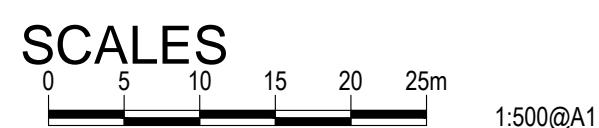
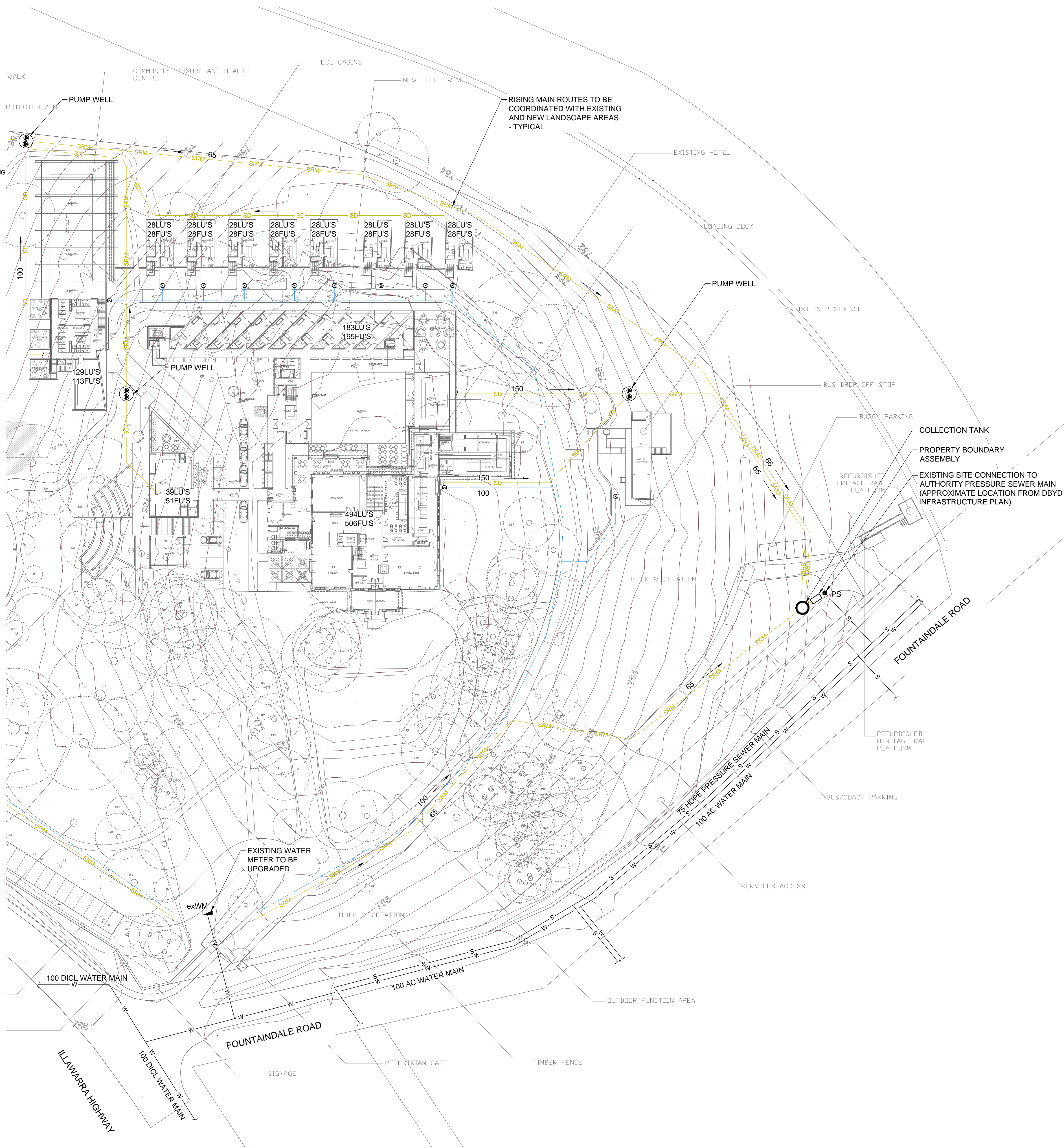
WATER & SEWER SERVICES MODELING APPLICATION ONLY



LEGEND

- SD SANITARY DRAINAGE
CW COLD WATER
SRM SANITARY DRAINAGE RISING MAIN
PUMP WELL
VALVE IN PATHBOX
WATER METER
- CW COLD WATER
SD SANITARY DRAINAGE
PS PRESSURE SEWER
FU FIXTURE UNITS (SANITARY DRAINAGE)
LU LOADING UNITS (WATER SERVICE)

REFER TO SHEET 1 FOR CONTINUATION



THIS DRAWING IS BASED ON THE FOLLOWING LAYOUTS AND MEASUREMENTS			
SURVEY		DATE	
ARCH		DATE	

A		ORIGINAL ISSUE	23/03/20	GENERAL
ISSUE	DETAILS OR AMENDMENTS	DATE	ZONE	
<div><div><div>cohort</div><div>engineering</div><div>ABN 86 121 756 527</div><div>4322 6517 www.cohortengineering.com.au</div><div>77 Mann St, Gosford NSW 2250</div><div>Civil, Structural, Hydraulics, Flood, Fire Services, Local Government</div></div><div></div></div>				
PROJECT		THE ROBERTSON HOTEL 1 FOUNTAINDALE RD ROBERTSON		
TITLE		WATER & SANITARY DRAINAGE PLAN SOUTHERN PORTION OF SITE		
CLIENT		AEAGRAND HOTEL		
DRAWING No.		1939H01-102/A	SHT 2/2	DRAWN-DESIGN-VERIFY AL-AS-DS

WATER & SEWER SERVICES MODELING APPLICATION ONLY