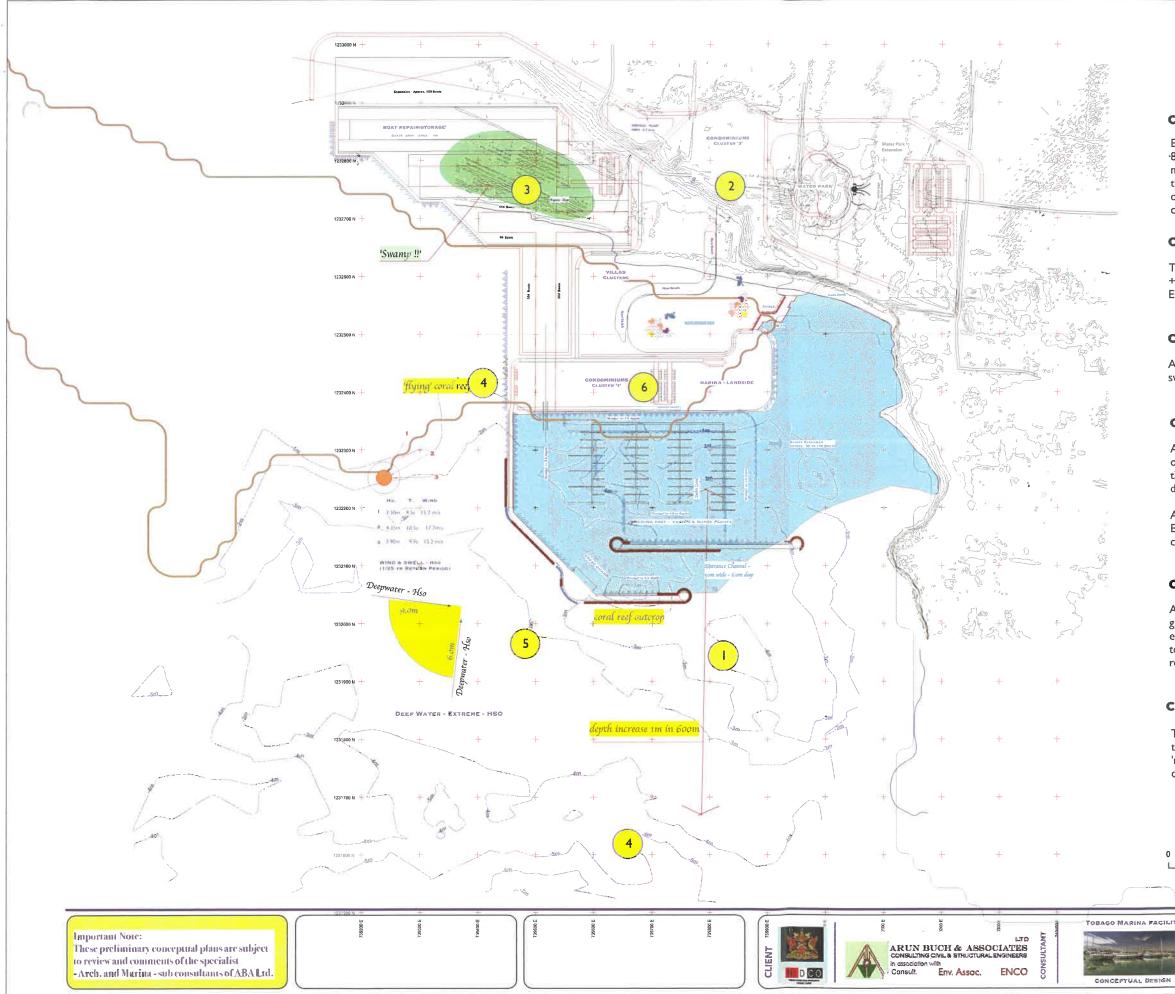


Location Map: Construction of a Marina and Related Marina Facilities Friendship Estate, Tobago



C107/1

Existing water depths to the west of the headland - for a distance of \cdot 800 - 900m is <3.5 metres below MSL Of which the southern most 500 metres - as shown - the depth remains a constant 3.5m. Hence shifting the marina further south and away from the shore line does not omit or significantly reduce the quantum of dredging in the live coraline sea bed - See drg C 108

C107/2

The site is bisected by a diagonally running 'cliff' face rising from ± 1.00 to $\pm 8.00/9.00$ level. The majority of the property of 'Friendship Estate is thus some 8 metres above MSL.

C107/3

A large part of the lower western triangular shaped segment is swampy and hence would need to be raised by upto 2.0m

C107/4

As noted at C105, flying reef alive with plate corals and various forms of aquatic life runs for a distance of 2.0 - 3.0 km at a close distance from the shoreline. It is an internationally advertised site for as snorkeling and diving destination

As noted before at C101, a very early approval in principal is required from EMA and further physical coring/surveys to determine the hardness of coral beds and thus the methodology for dredging it.

C107/5

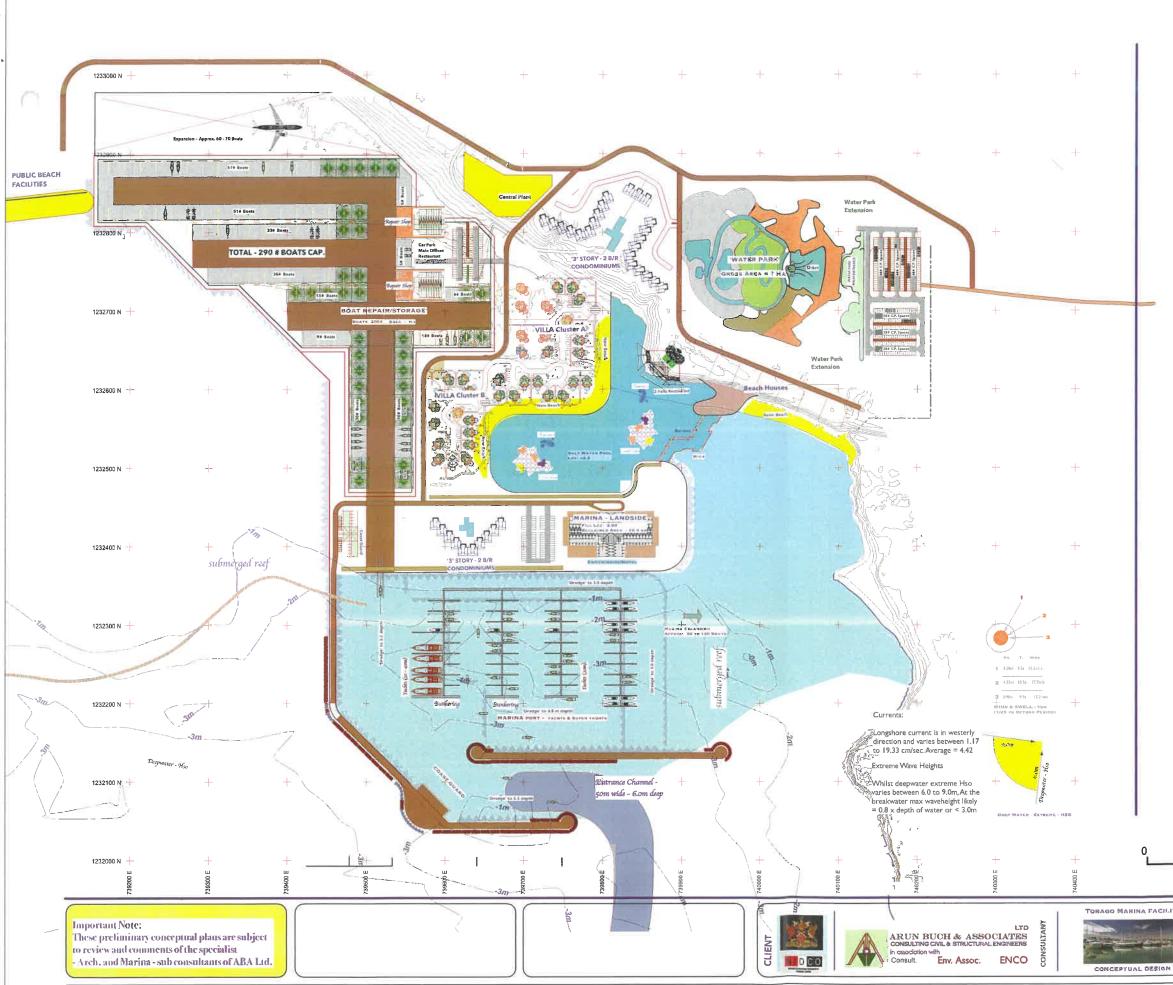
Although the site is naturally well protected from the normal wave regime generated by the easterly trade winds, it is exposed to extreme wave heights equal to the depth of water from hurricane generated waves from the west to south. Hence breakwaters are essential since these yachts will have to remain moored within the Marina during such events.

C107/6

The reclamation and related valuable land creation is in water depths less than 1.0m hence for a given volume of dredged material higher acreage of 'real estate' is created. A significant contributor to the financial viability considerations.All coraline dredged material is suitable as fill

Scale 50 10	0 200	300	400	500 metres	Д
×	CANOE BA	YFRIENDS	HIP ESTATE		TM -

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C111/1

DREDGING - MOSTLY IN CORAL ROCK Max depth of 5.7m, Dredge Quantity= 320,000 Cu.M. Max depth of 4.0m, Dredge Quantity = 180,000 Cu.M.

Note with adepth of 5.7m yachts of 50m lengths can be moored within the Marina. Whereas for a 4.0m depth maximum length of yacht is only 20 - 25m

C111/2

RECLAIMED AREA - GROSS = 10.4 hactres with the dredge material procured and used as fill = 320,000 cu.m3

C111/3

As indicated in the Masterplan the number of boat berths/slips in the Marina are

- 20m Yachts, Power Boats = 144 #
- 40m 50m Super Yachts = 6# = 6 #
- 30m Yachts
- 50m Coast Guard Boats = 1 # - Fishing -small boats = none

Marina space exists to the east for additional 90+ slips.

C111/4

Boat Storage and Repairs Yard/Area of 10.9 hactres. As indicated in the Masterplan the number of boat storage bays = 290 spots. (20m boat) Power boats will be housed under a fabric roof in 20m x 20m Bays, whilst masted Yachts will also be in groups of 3 in a 20m x 20m bay but wll not be roofed over

At the lower level to the west space exist for an additional 60 - 80 boats..

C111/5

The Masterplan shown envidages a Water Park of some 8.5 Hactres and a salt water pond at +2.2 level of approx 3.2 ha. as a 'Coral Garden'Reserve

C111/6

Critical Service buildings shown include

- A Capitainaire with a small hatel (50 60 rooms)
- Coast Guard support Building
- Boat Repair, Workshops Offices, etc

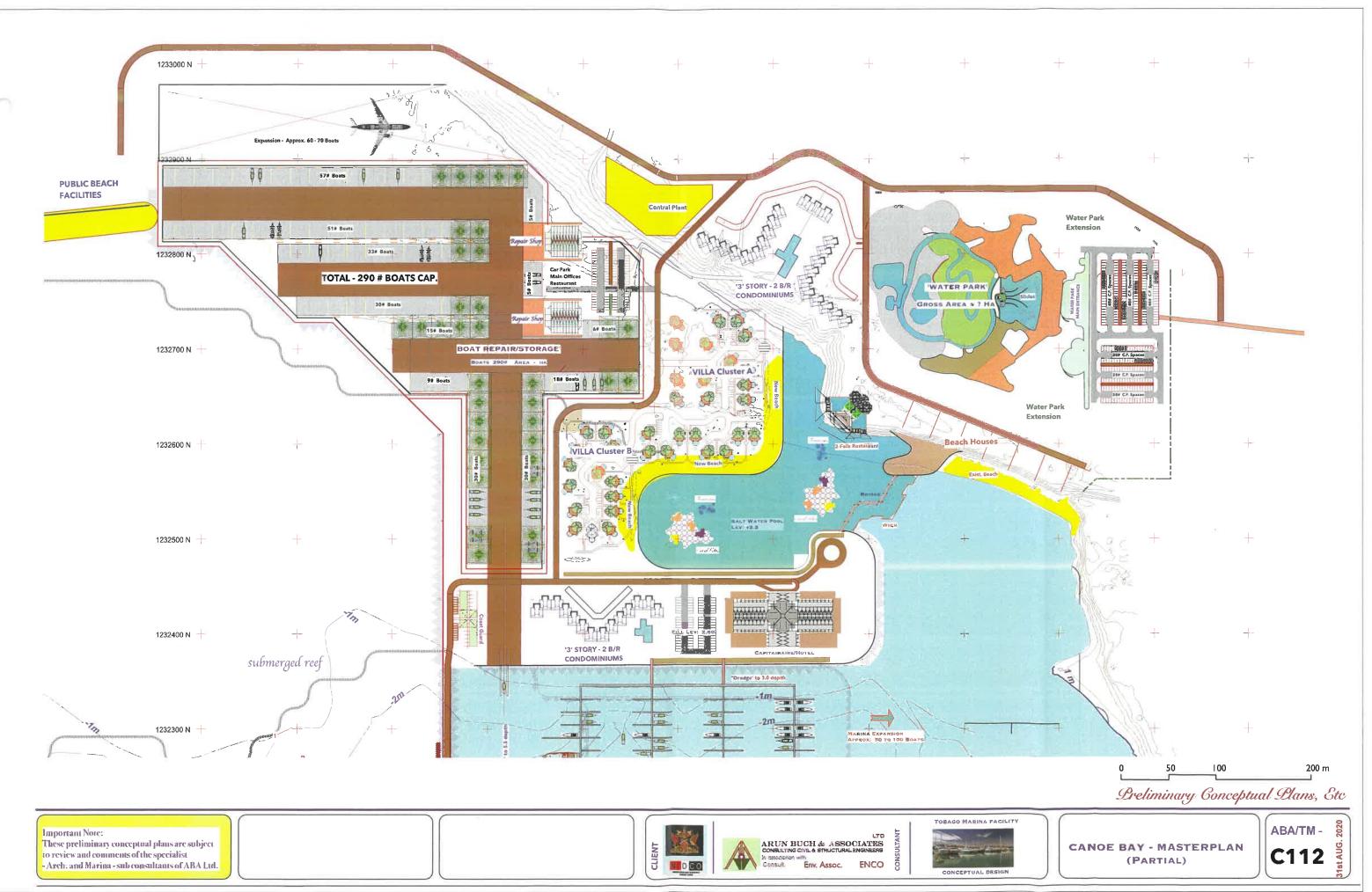
- A '2 Falls' Gourmet Restaurant plus attached snack foods, bar etc. This complex is sited between 2 waterfalls at a strategic location between the Marina and the Water Park.

C111/7

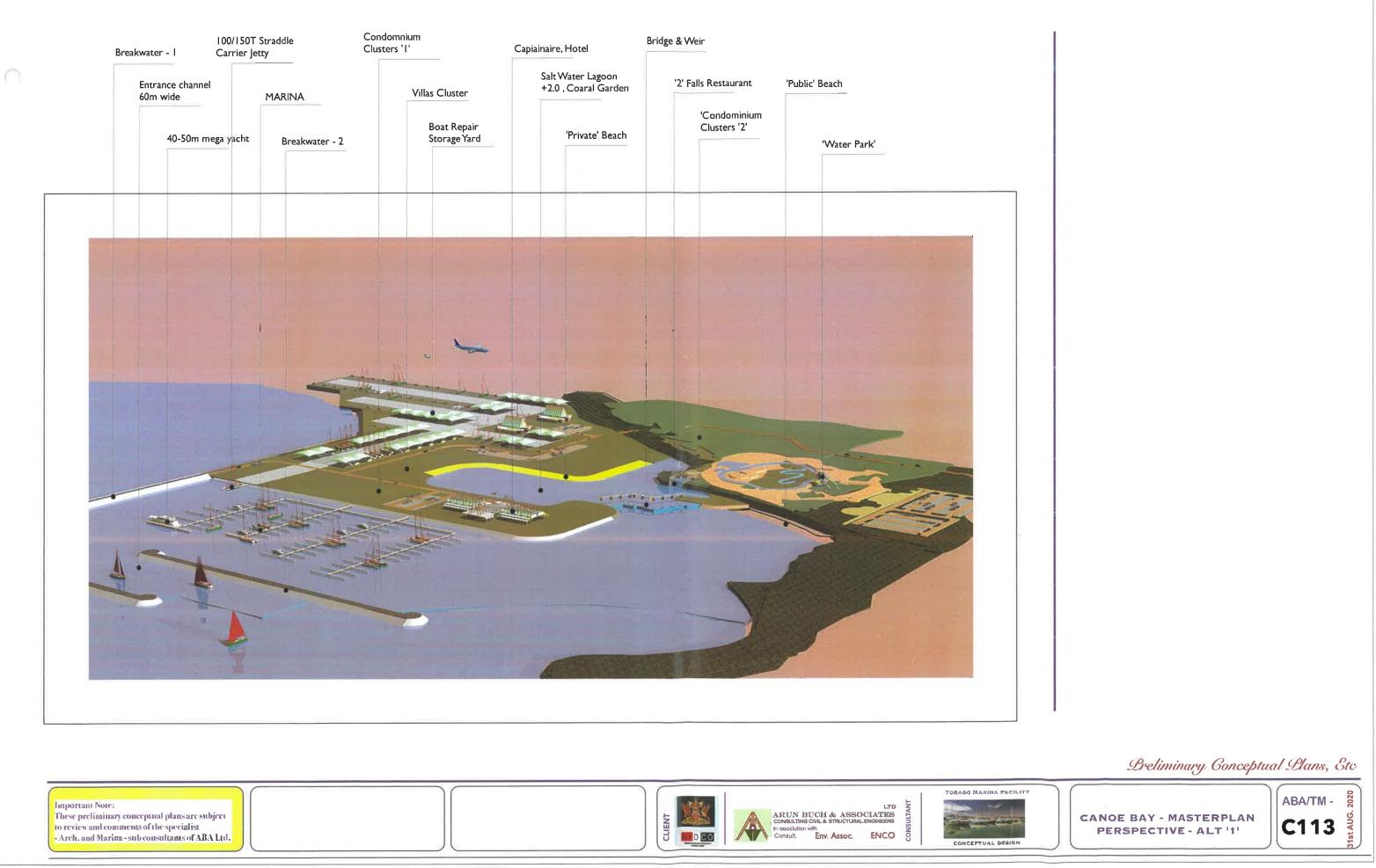
Valuable real estate created with reclamation of 10.4 hactres plus existing lands fronting the 'cliff' on either side of the 2 falls restaurant provides excellant opportuities for 2 and 3 story Villas and Condominium and very valuable 'Beach House' properies running along the 'cliff'

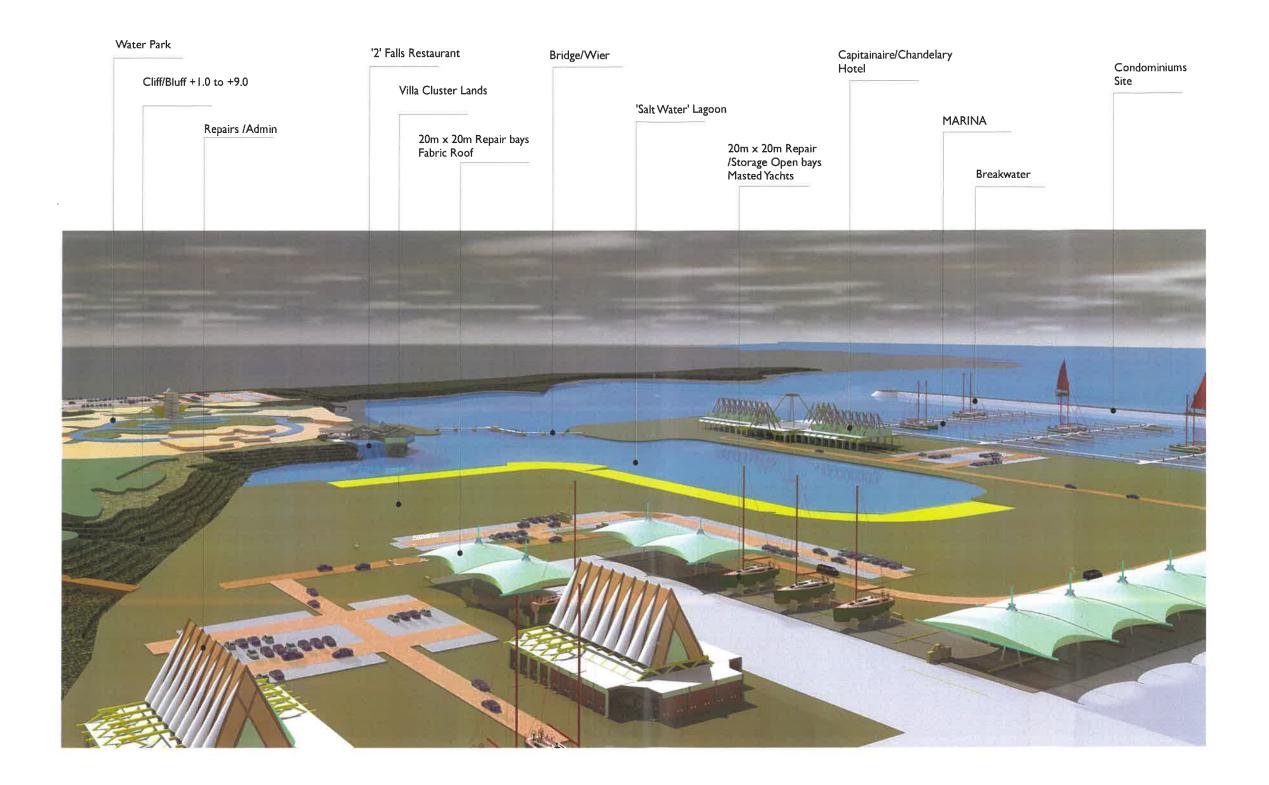
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	CANOE BA MASTER PLAN -	-		st AUG. 2020
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Important Note: These prefiminary conceptual plans are subject to review and comments of the specialist - Arch, and Marina - sub consultants of ABA Ltd.







Preliminary Conceptual Plans, Etc

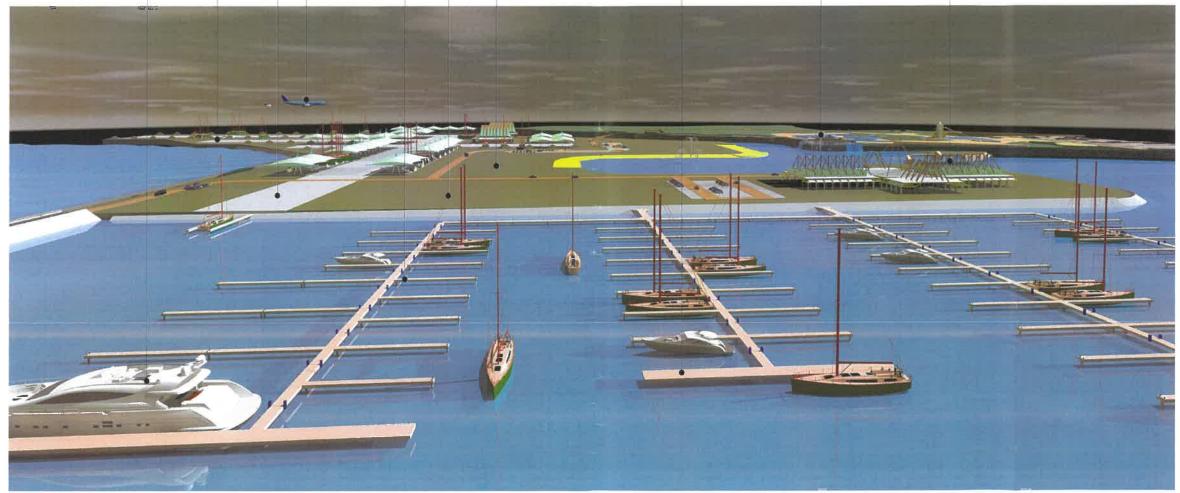


MARINA, BOAT REPAIR, W. PARK - 'Aircraft O/H' - PERSPECTIVE



st AUG. 2020

40/50		yp. MARINA inger Pier	Typ. Bunkering at Finger Pier 'T' Head	'2' Falls Restaurant
	Straddle Carrier Jetty			
	Straddle Carrier Carriageway 30-35m	CONDOS Site		C.
	Aircraft Height? from Airport	VILLAS Site		Ca Ho



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Important Note: These preliminary conceptual plans are subject to review and comments of the specialist - Arch. and Marina - sub consultants of ABA Ltd.





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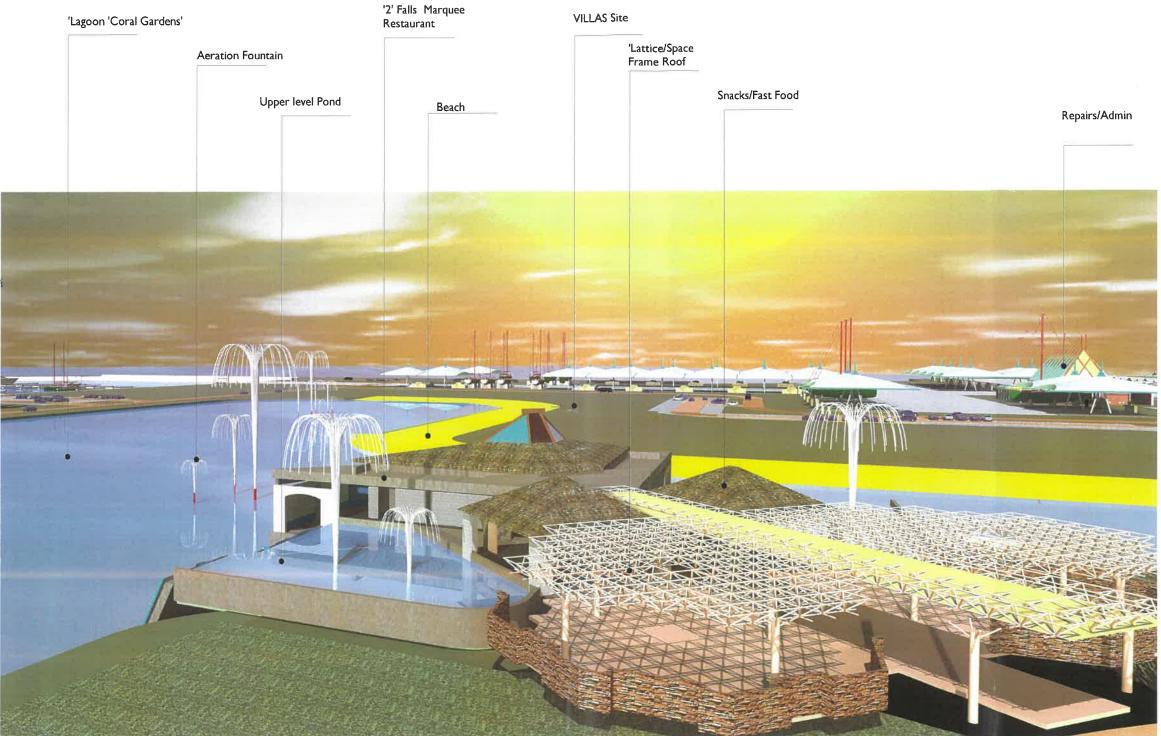
Breliminary Conceptual Plans, Etc



MARINA , BOAT REPAIR, W. PARK North PERS. (Marina View)



31st AUG. 2020



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Important Note: These preliminary conceptual plans are subject to review and comments of the specialist - Arch. and Marina - sub consultants of ABA Ltd.







Decliminary Conceptual Dans, Etc



MARINA, BOAT REPAIR, W. PARK 2-FALLS RESTAURANT VIEW

ABA/TM/C 116

31st AUG. 2020