

Architectural Portfolio

Bijit V. Soni
Roll No. 40
Semester 7

Professional Training
Mamta Shah & Associates

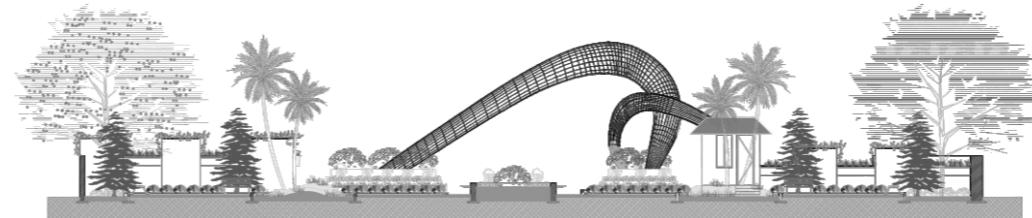


Gujarat Housing Board | 2

Location: Akota, Gorwa, Sanand, Gota, Jahangirabad, Bharuch, Bhuj, Sola, Surat

Built-Up: 4167.51 - 46438.39 sq.m.

Status: Under Construction

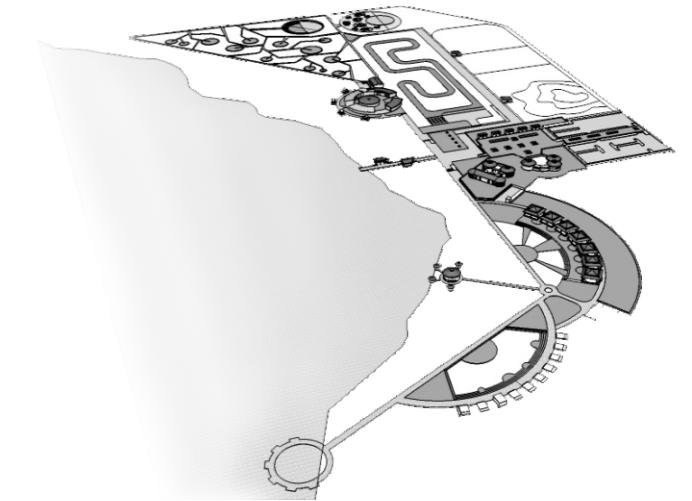


Mataria Lake Development | 7

Location: Bharuch

Land area: 61.06 acre

Status: Under Construction



Navi Ukai Waterfront Development | 8

Location: Ukai

Land area: 34.71 acre

Status: Under Construction



Vadhvana Wetland Development | 9

Location: Vadhvana, Vadodara

Land area: 16.32 acre

Status: Up Coming

Nareshwar Riverfront Development | 10

Location: Nareshwar, Vadodara

Land area: 35.55 acre

Status: Up Coming

Por Tourism Development | 11

Location: Por, Vadodara

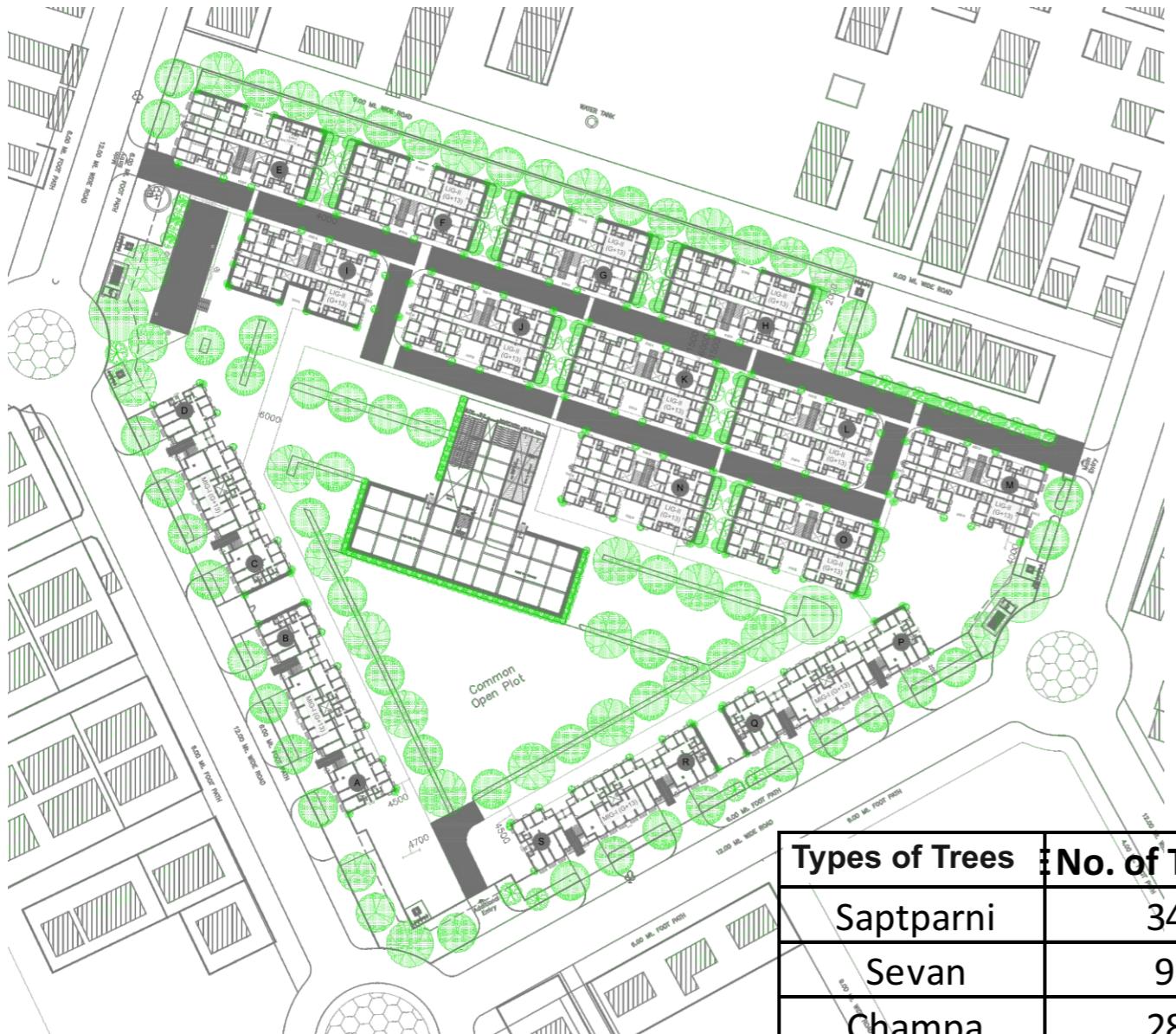
Land area: 8.21 acre

Status: Up Coming



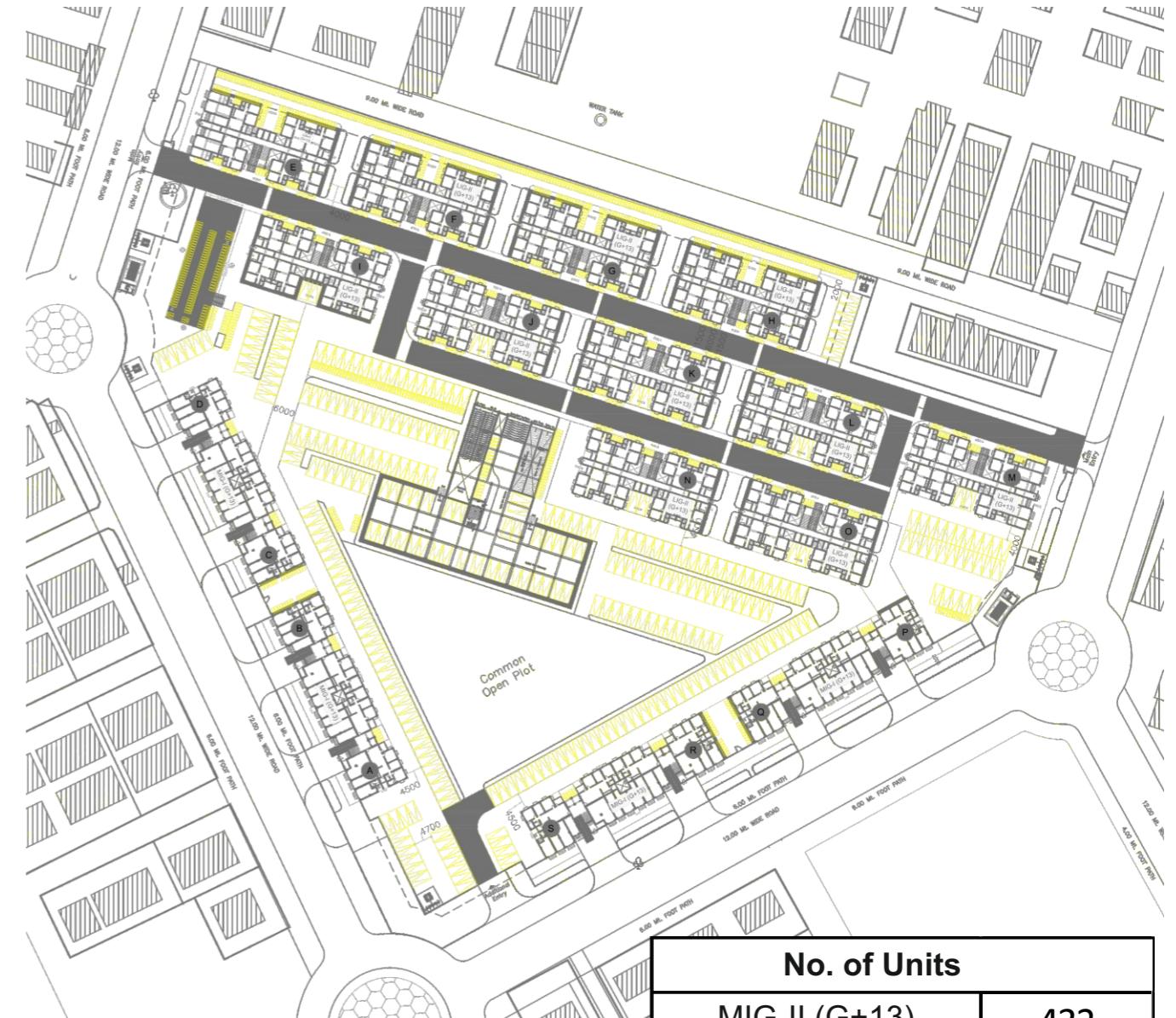
Landscape

Keeping the site Green as much as I could do to maintain the ratio of the structure and the landscape



Parking

The important asset for any residential area, and this site has been provided with enough numbers of Two and Four Wheeler Parking



Landscaping & Parking

Gota is the site located in Ahmedabad, Total 15 buildings including MIG & LIG. I was given a task to design proper landscape and parking space in this site of 36 sq.m

Showcase

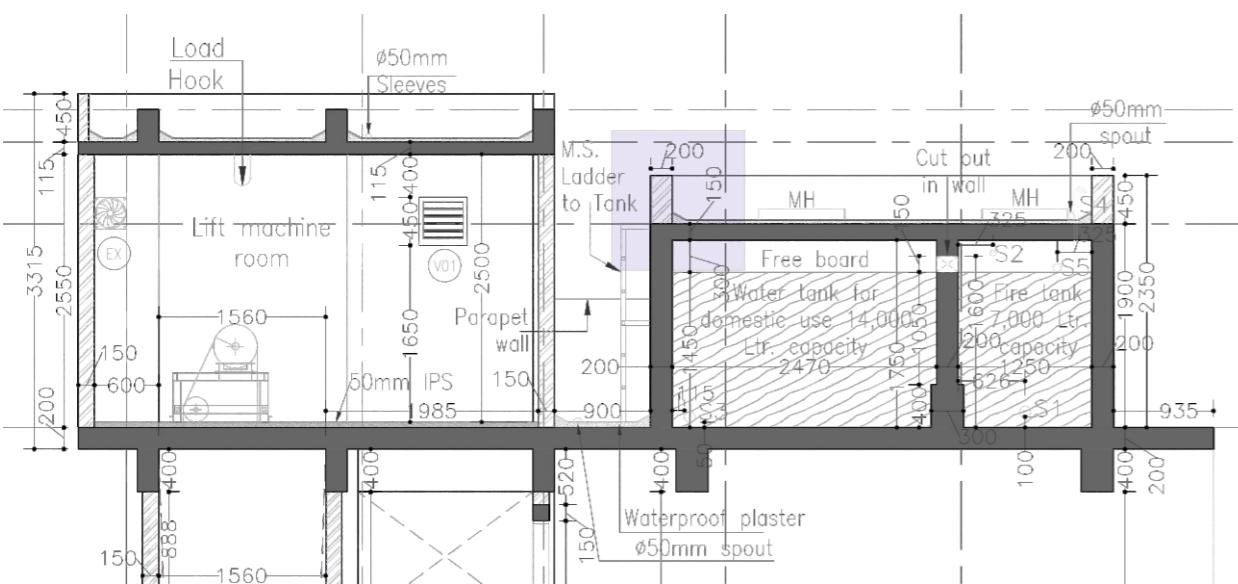
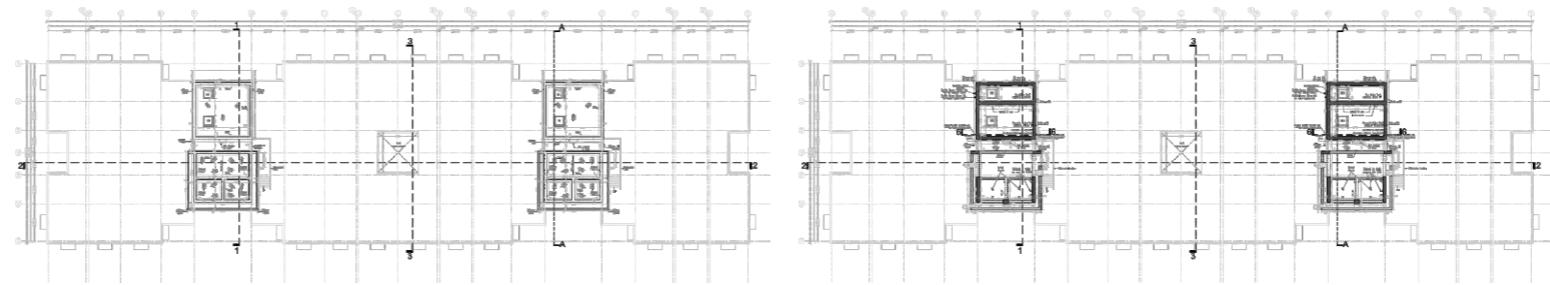
Gujarat Housing Board

Overhead Watertank

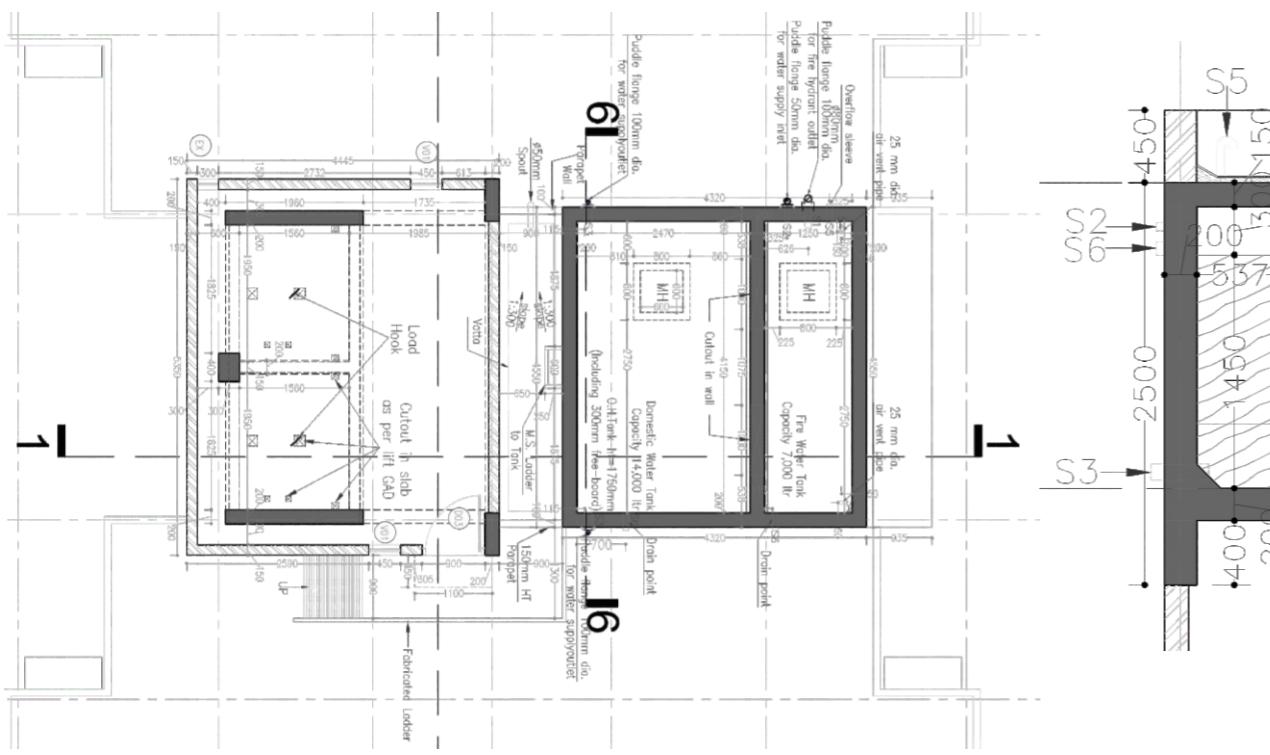
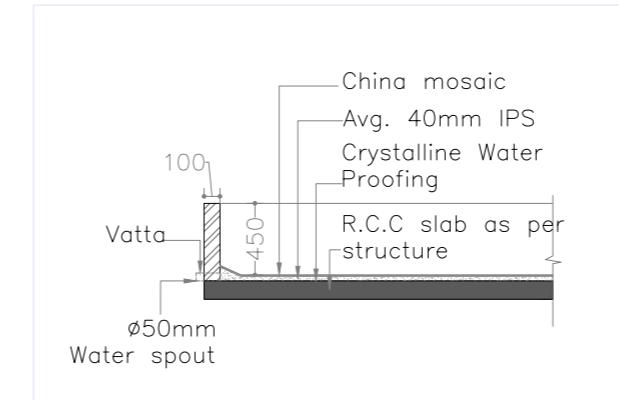
Gota has 432 MIG, and 1228 LIG flats, Total 4 MIG and 11 LIG buildings. The calculation of water storage in OHWT has done according to the numbers of flats in one building.

Just like the site Gota, I was given a task to design OHWT for sites Akota, Gorwa, Sanand, Sola, Bharuch, Bhuj, Jahangirabad & Surat.

Site Visit



Section 1-1



Plan



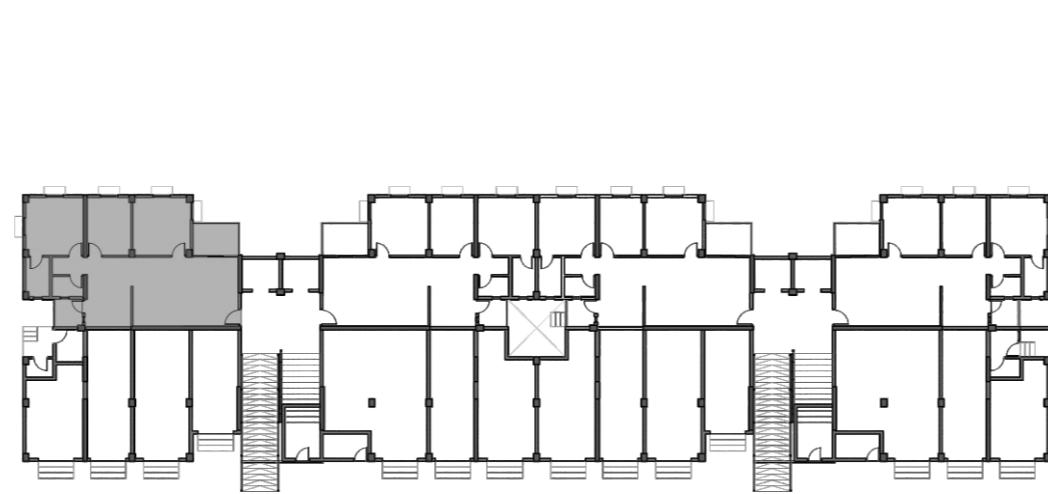
Showcase

Gujarat Housing Board

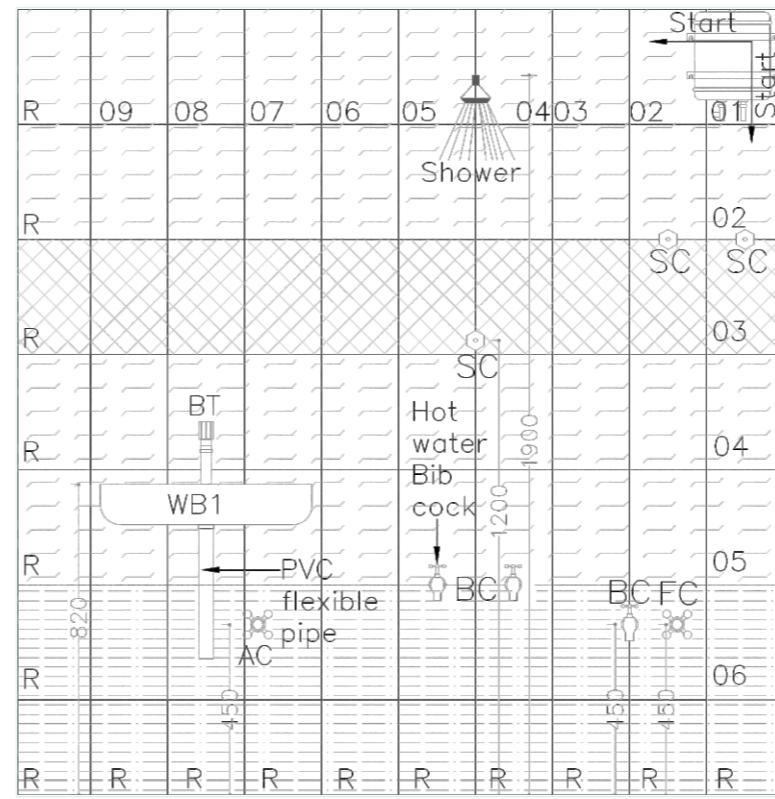
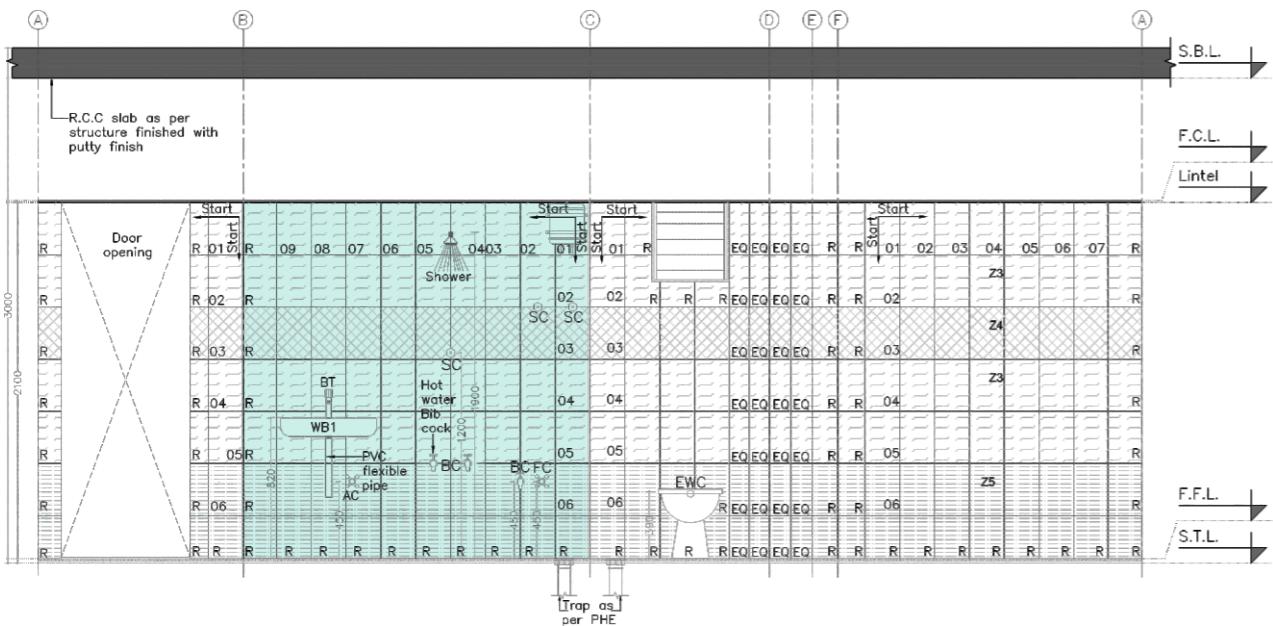
Toilet Detail

A task to design details of toilet that includes positioning tiles, fixtures as well as materials.

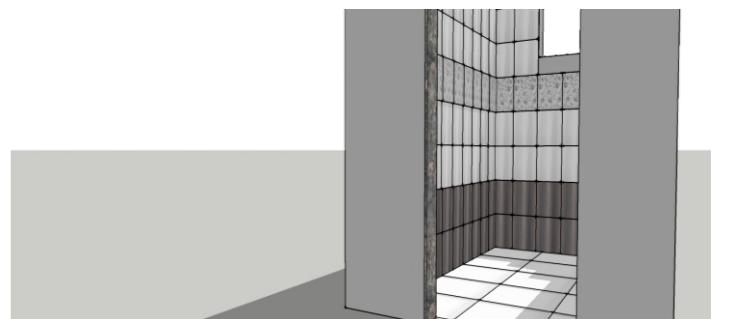
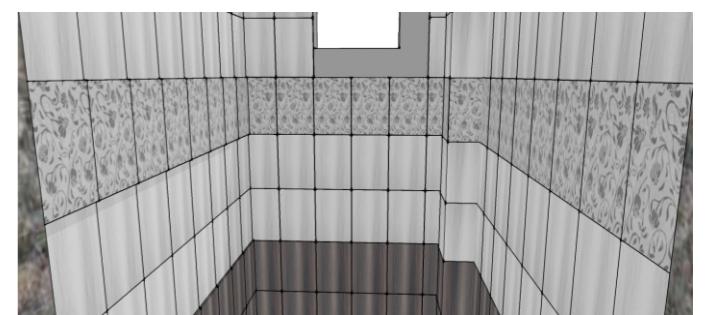
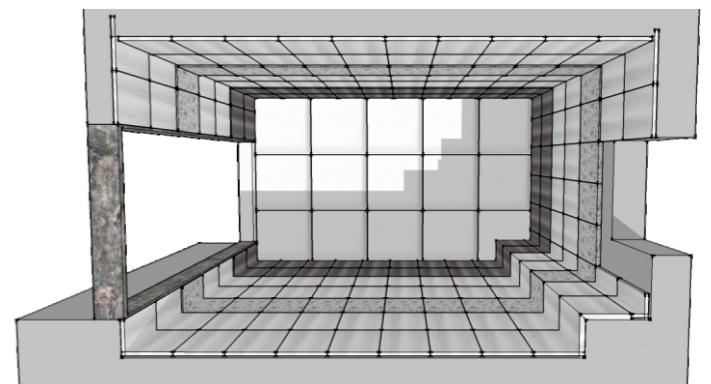
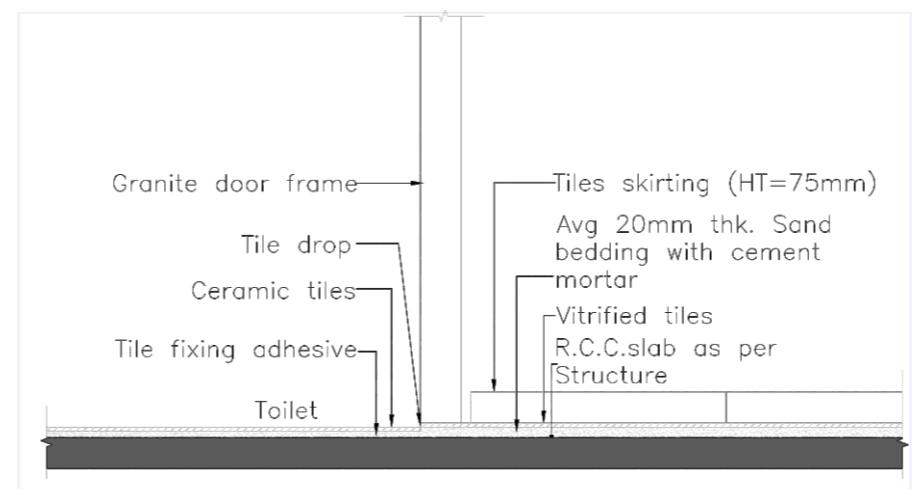
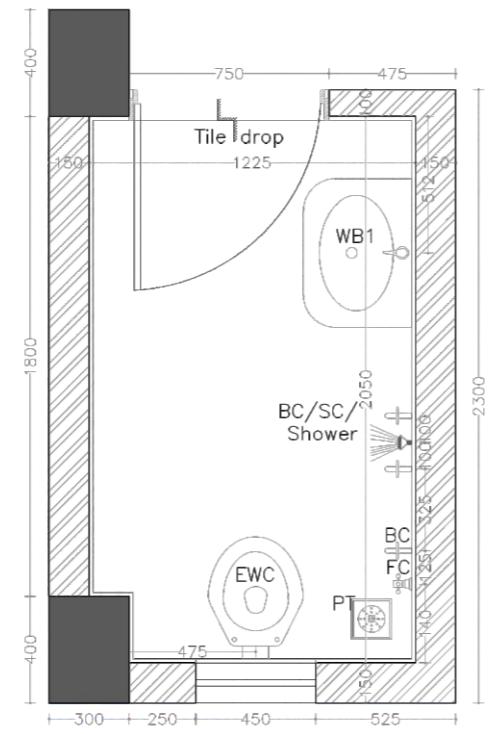
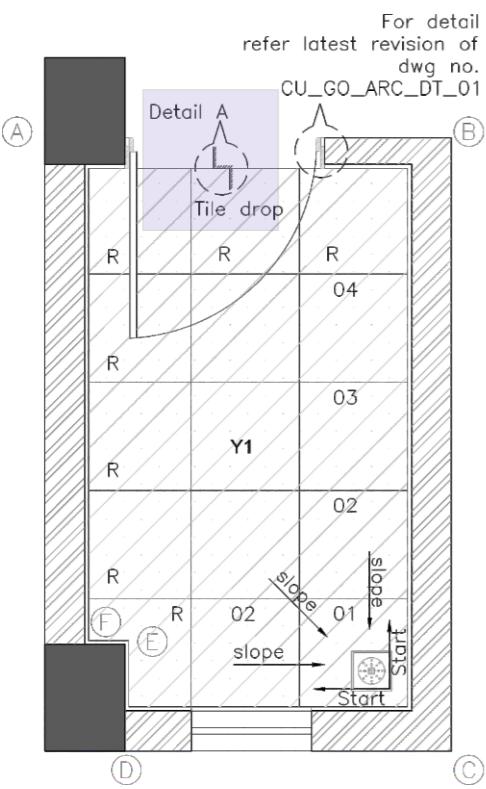
Just like the site Gota, I was given a task to design Toilet Detail for sites Akota, Gorwa, Sanand, Sola, Bharuch, Bhuj, Jahangirabad & Surat.



Visuals



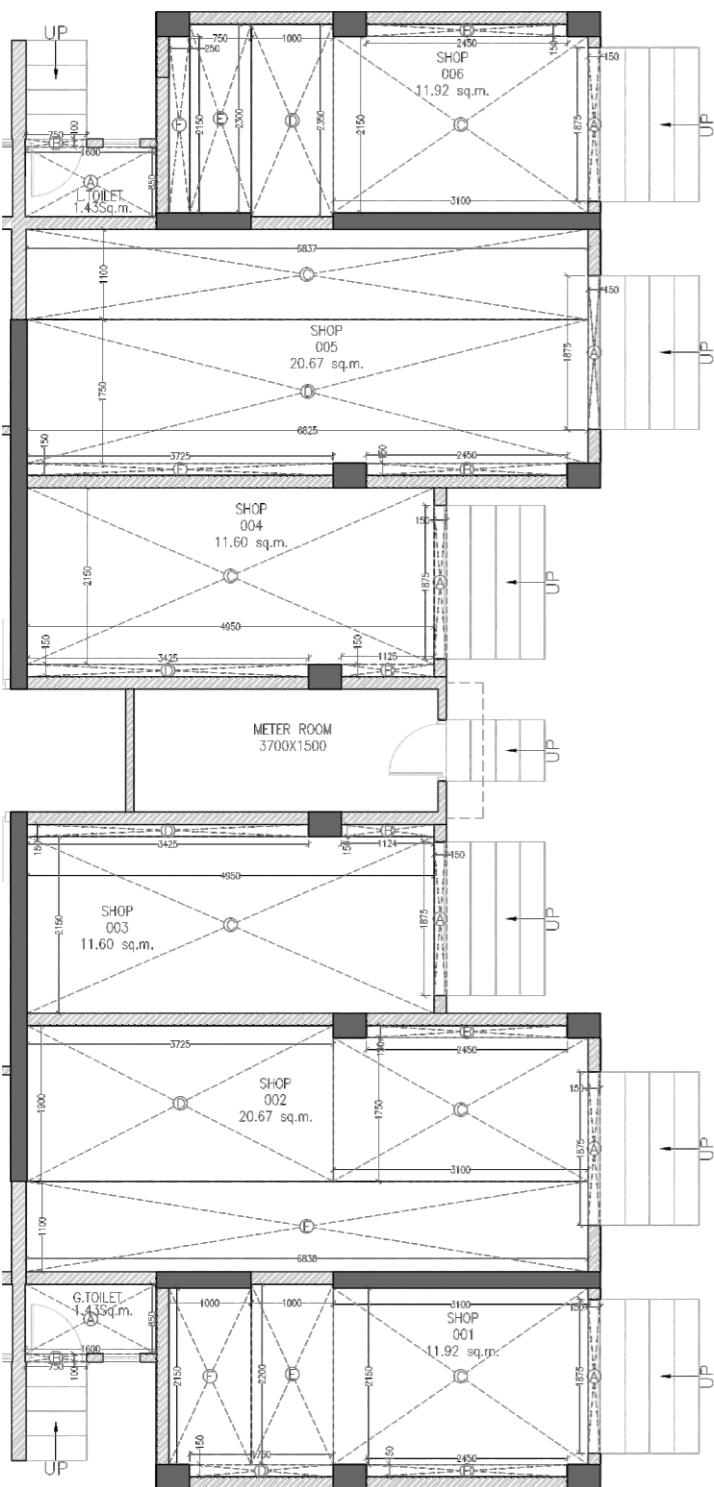
Folded Elevation



Plan

Showcase

Gujarat Housing Board

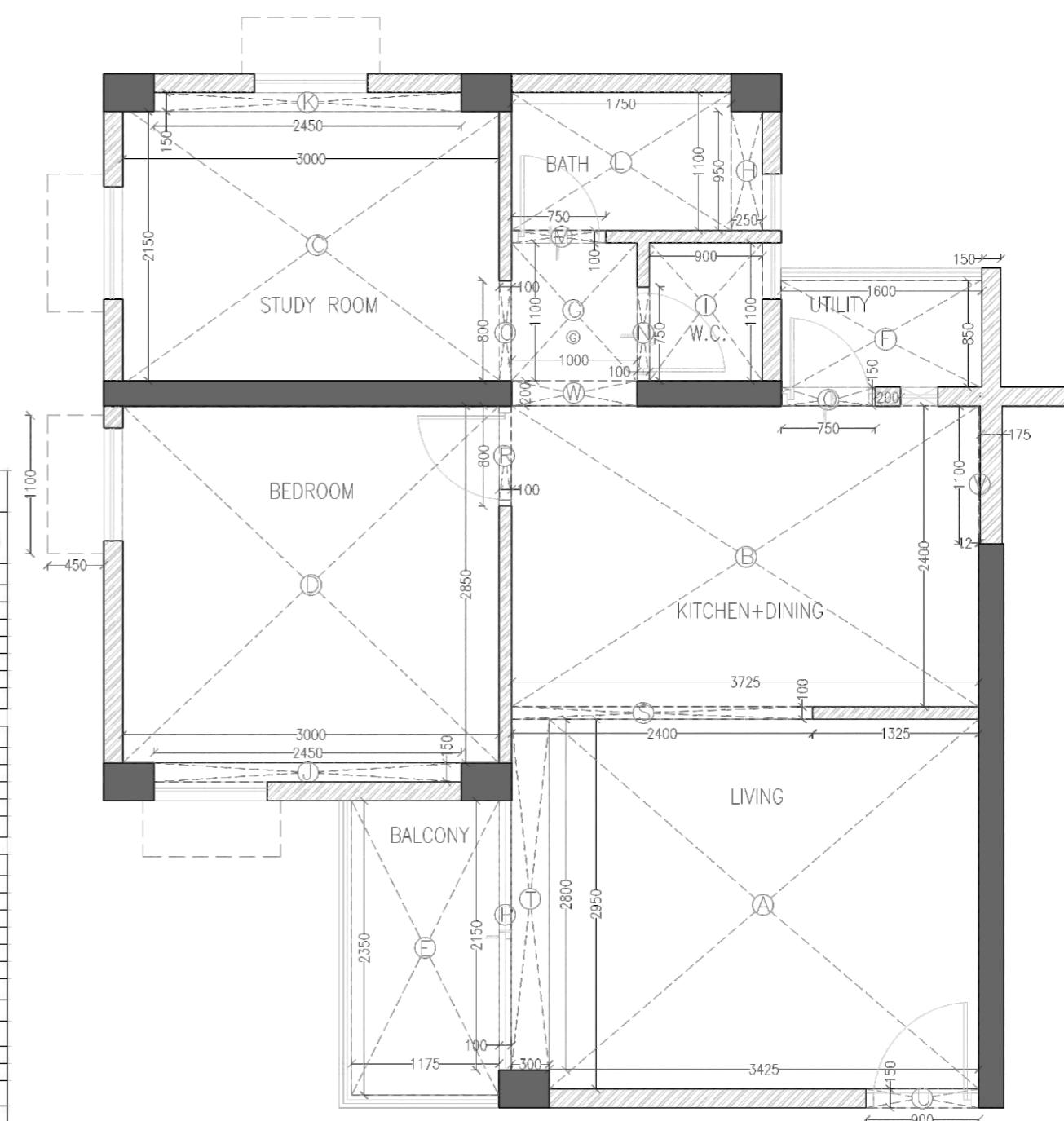
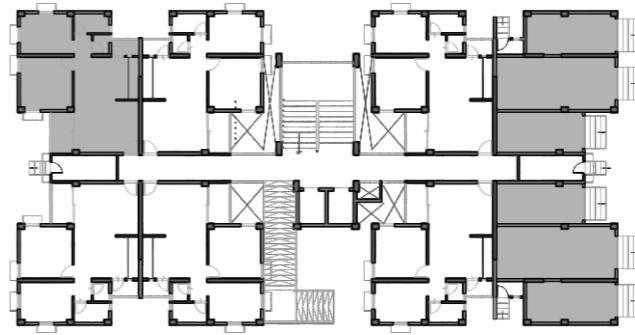


Sr.No.	L(MM)	B(MM)	AREA(LXB)SQ.MT
A	3425	2950	10.10
B	3725	2400	8.94
C	3000	2150	6.45
D	3000	2850	8.55
E	1175	2350	2.76
F	1600	850	1.36
G	1000	1100	1.10
H	250	950	0.24
I	900	1100	0.99
J	2450	150	0.37
K	2450	150	0.37
L	1750	1100	1.93
M	750	100	0.08
N	750	100	0.08
O	800	100	0.08
P	100	2150	0.22
Q	750	150	0.11
R	100	800	0.08
S	2400	100	0.24
T	300	2800	0.84
U	900	150	0.14
V	12	1100	0.01
W	1000	200	0.20
Total			45.22

Carpet of Commercial Unit

LIG-II CARPET AREA CALCULATION			
SR.NO.	L(MM)	B(MM)	AREA (L X B)=Sq.m.
SHOP_001			
A	150	1875	0.28
B	2450	150	0.36
C	3100	2150	6.66
D	1750	150	0.27
E	1000	2200	2.2
F	1000	2150	2.15
TOTAL			11.92
SHOP_002			
A	150	1875	0.28
B	2450	150	0.37
C	3100	1750	5.43
D	3725	1900	7.07
E	6838	1100	7.52
TOTAL			20.67
SHOP_003			
A	150	1875	0.28
B	1124	150	0.17
C	4950	2150	10.64
D	3425	150	0.51
TOTAL			11.60
SHOP_004			
A	150	1875	0.28
B	1125	150	0.17
C	4950	2150	10.64
D	3425	150	0.51
TOTAL			11.60
SHOP_005			
A	150	1875	0.28
B	2450	150	0.37
C	6837	1100	7.52
D	6825	1750	11.94
E	3725	150	0.56
TOTAL			20.67
LADIES TOILET			
A	1600	850	1.36
B	750	100	0.08
TOTAL			1.43
GENTS TOILET			
A	1600	850	1.36
B	750	100	0.08
TOTAL			1.43
TOTAL CARPET AREA		91.24	

Carpet of Residential Unit



Carpet Calculation

A task to calculate carpet area of all the clusters of site, That includes residential and commercial units.

Just like the site Sanand, I was given a task to calculate Carpet Detail for sites Akota, Gorwa, Gota, Sola, Bharuch, Bhuj, Jahangirabad & Surat.

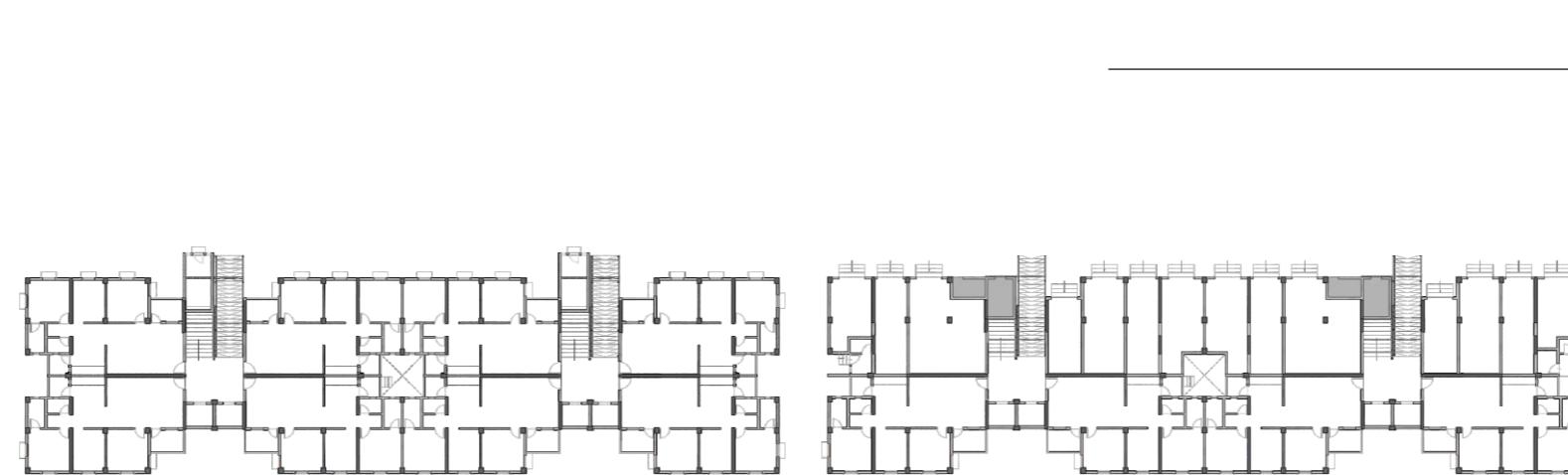
Showcase

Gujarat Housing Board

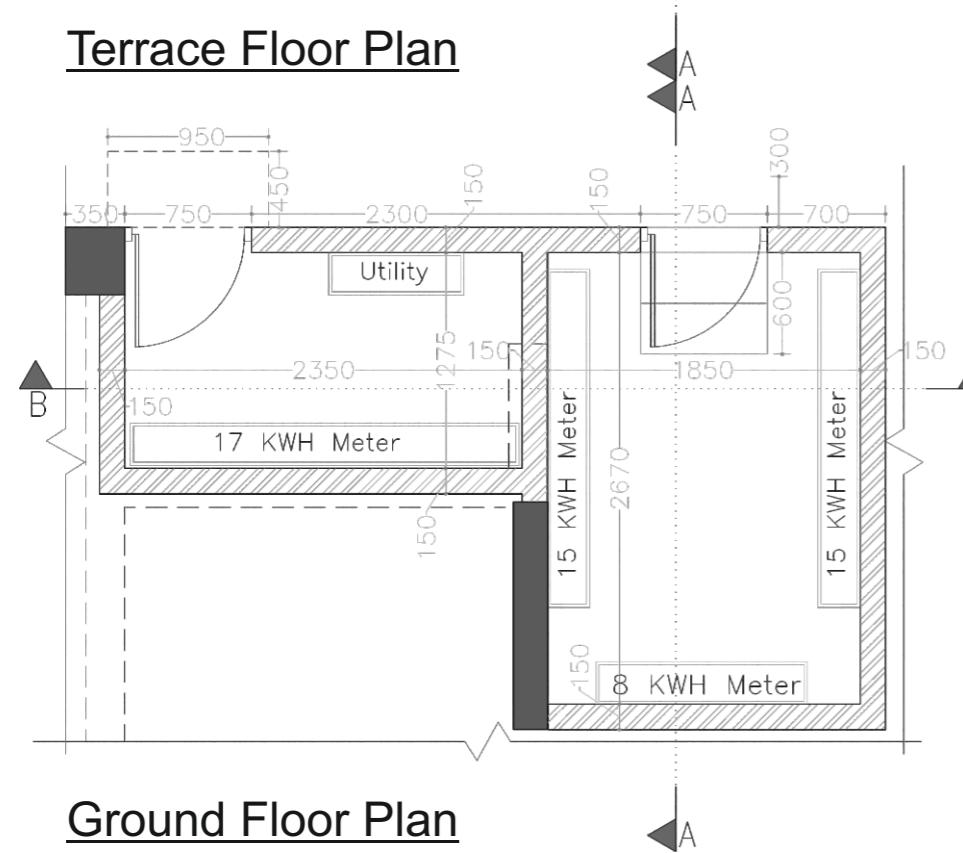
Meter Room

A task to design and detailing of Meter room for all the clusters of site, That includes residential and commercial units.

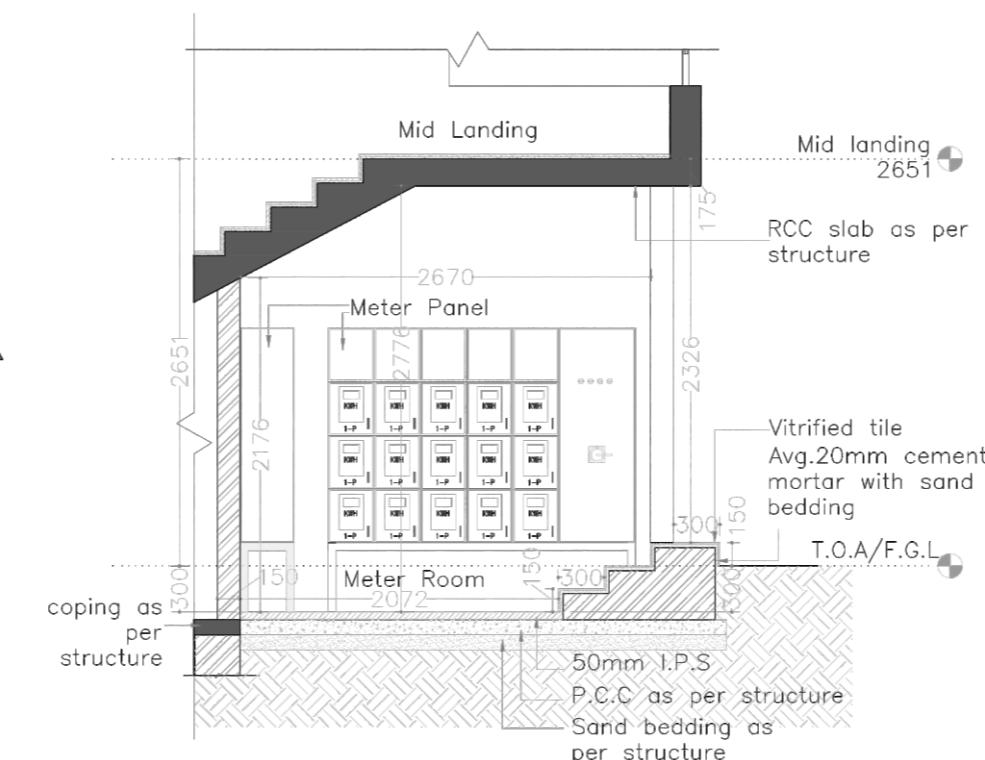
Just like the site Sanand, I was given a task to calculate Carpet Detail for sites Akota, Gorwa, Gota, Sola, Bharuch, Bhuj, Jahangirabad & Surat.



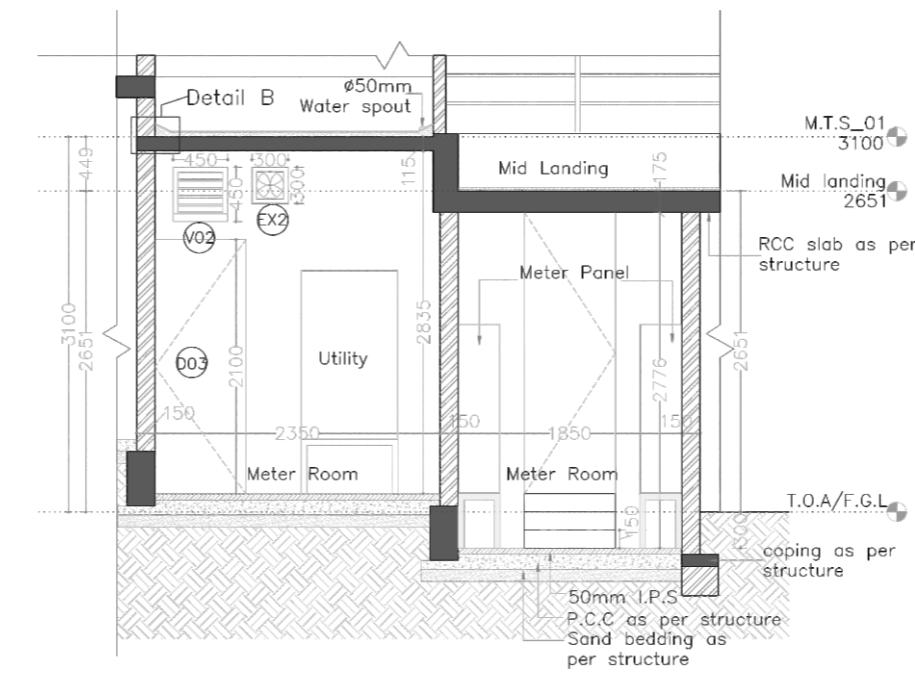
Terrace Floor Plan



Ground Floor Plan



Section A-A



Section B-B



Site Visit

Showcase

Mataria Lake Development

Entrance Design & Landscape

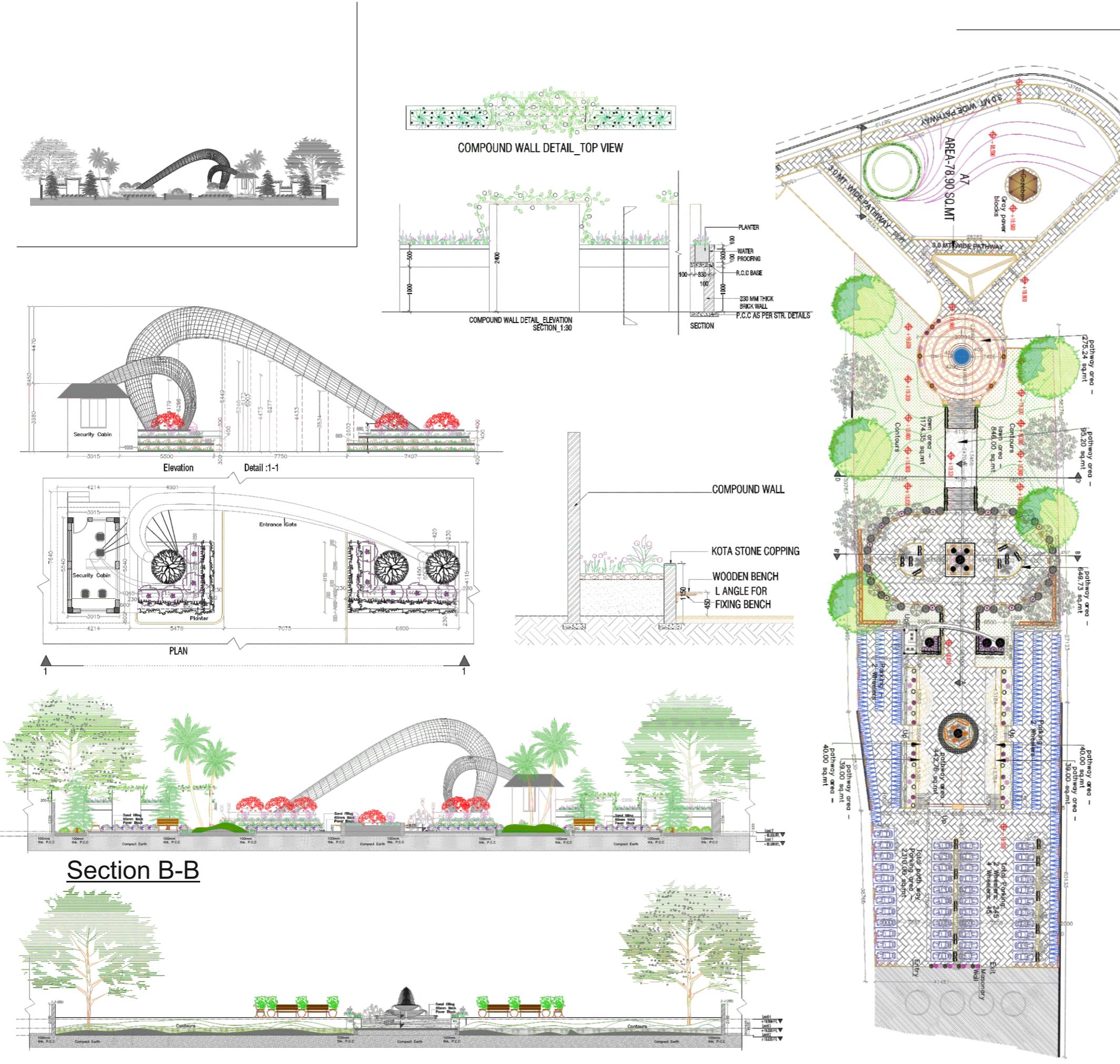
Mataria lake is located in bharuch and is under construction. Most of it has designed except entrance and landscape and I was given a task to design an Entrance that includes Gate, Parking, Landscape, and promenade.

Site Visit



Section B-B

Section D-D



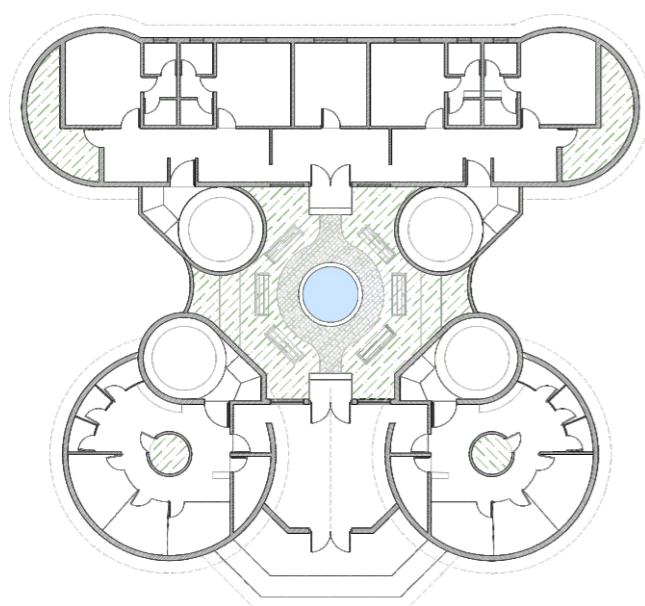
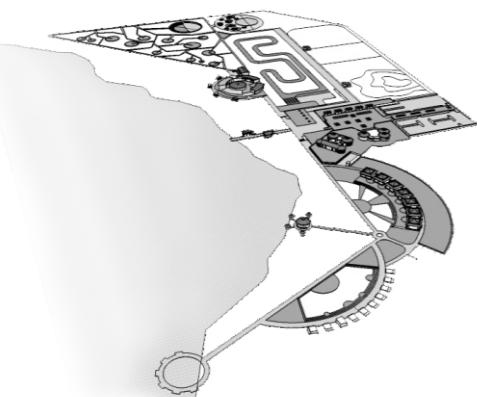
Showcase

Navi Ukai Waterfront Development

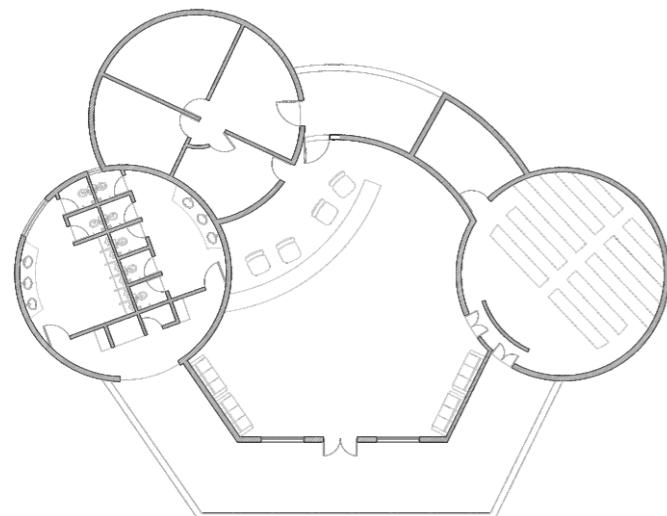
Landscape & Site Development

Navi ukai is located in Vyara district, And the land is Ukai reservoir front. Development includes Water sports, Adventure activities, Houseboats, Cottages, Tents, Theme parks, Souvenir Shops, and food court. I was given a task to design the site and the project is on-going.

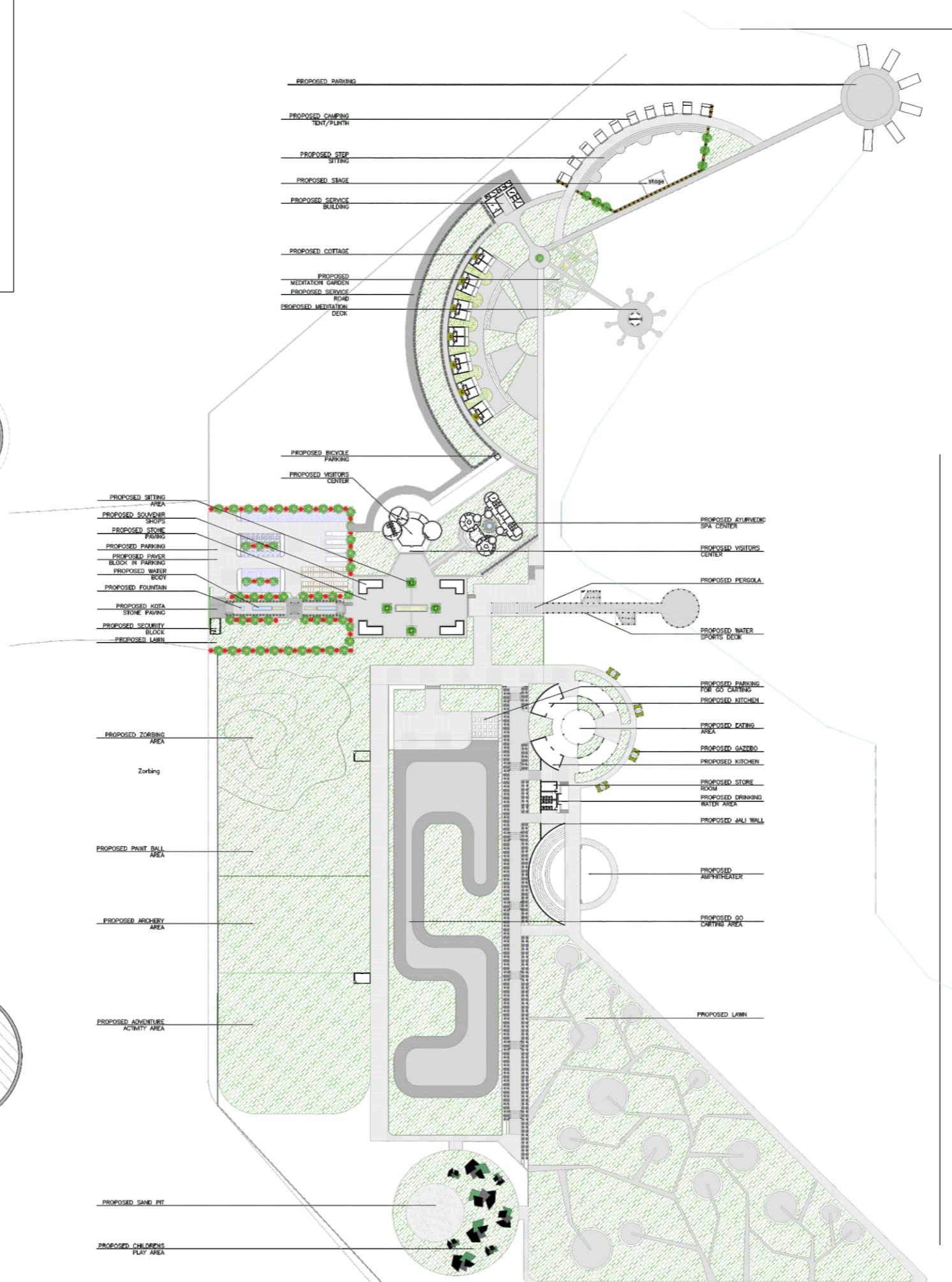
Visuals



Ayurvedik Spa



Visitors Centre

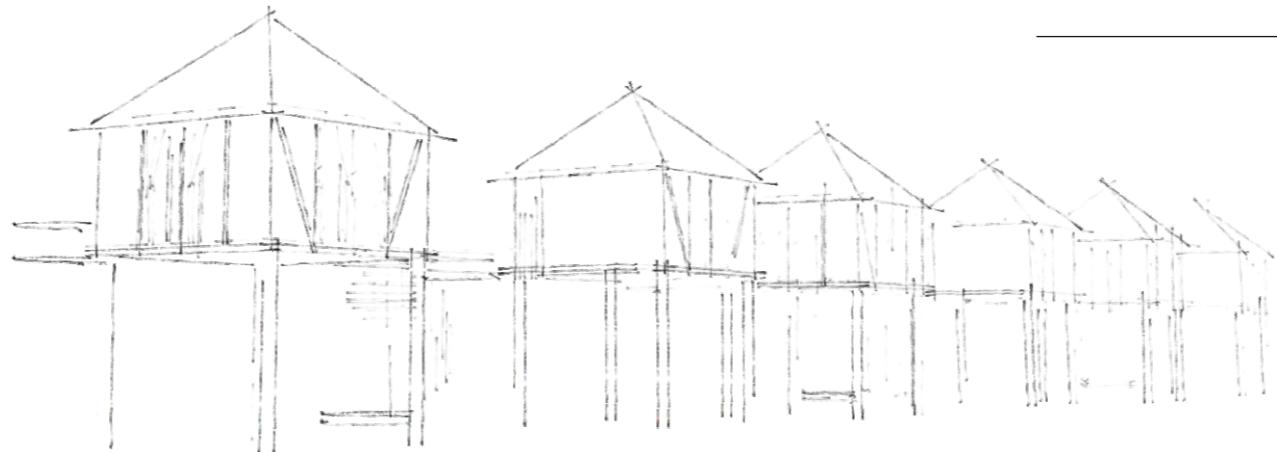


Showcase

Vadhvana Wetland Development

Landscape & Site Development

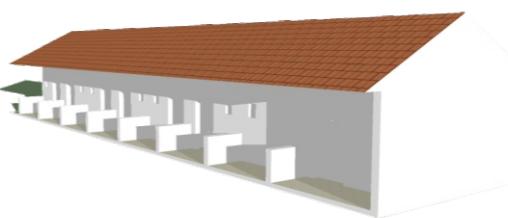
Vadhvana is located in Vadodara, And the wetland was created to supply water for farmers, and has now been turned into a bird sanctuary. Development includes Water sports, Cottages, Tents, Pathways and decks around periphery. I was given a task to design the site.



Wetland contains total four existing watch towers, but they doesn't define that they are. Proposed watch towers contain no walls and open from all sides to



There's a guest house of irrigation and forest department, and have total 5 numbers of them. Here, another 3 are proposed and other guest houses are renovated.



Guest house area has Exhibition rooms, Library, Information centre. I have proposed hangout spaces, children play area, and amphitheatre.



Site Visit



Showcase

Nareshwar Riverfront Development

Landscape & Site Development

Nareshwar is located in Vadodara, And flow of people coming here on full/no moon is highest. Proper parking spaces and barricading are to be provided here. Landscape and site development has been given to me as a task.



Gorakh tekri is part of Nareshwar development. Authority of the land wants to use the hill as hangout space. Gazebos are provided on both hills there and one hanging bridge to connect them.

Nareshwar development has been divided into 3 parts. One is for religious people, Where people use to have bath, and sometimes accidents happen, So that floating barricading has been provided in the water.

Water sport area has been proposed and a proper road to it also. Food courts and souvenir shops are provided on the side of the road.

Before

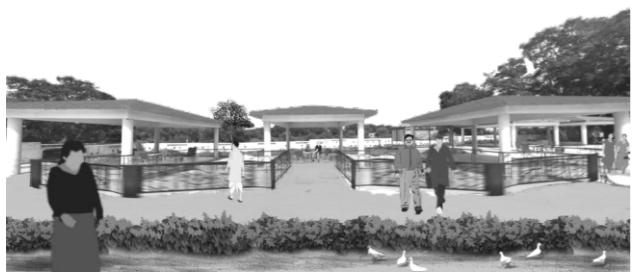


After



Showcase

Por Tourism Development



Landscape & Temple Renovation

Por, A widely known religious place, is located in Vadodara. Development of area in and around the temple has been proposed. Temple requires renovation, and proper parking space arrangements.



Backside of the temple is used as a place where people come and have their food, I have proposed simple sittings under the trees that already exist.



Dhadhar river is passing from the back side of the temple. Another road entry has been provided to avoid happening traffic jams, and to provide proper parking. Gazebos are provided for people to hang around.

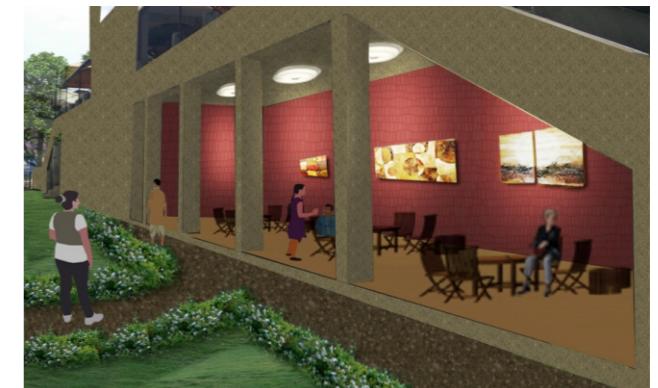


River has low water flow throughout the year here, so the check dam has proposed for Phase II to maintain water flow. Cantilever decks has been provided for better view.

Before



After



Credits

Working as a trainee here in Mamta Shah & Associates has been a great experience for me. I was lucky to have such talented seniors, Devang Chauhan and Jignesh Rathwa. They have tried their best to bring the best out of me, and yet I have learned what I exactly wanted to learn, How architecture works practically.

Mamta Shah, The CEO of the firm herself has also supported me to improve me at my work.

Being Thankful to the firm. I had wonderful experience working with them.