

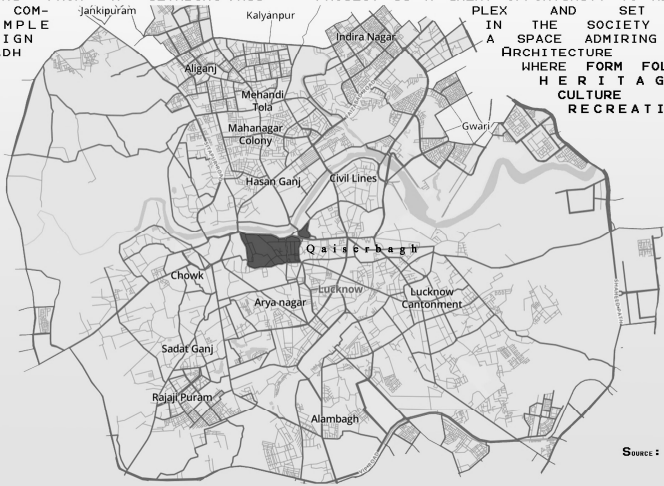
AWADH
KIRTI STHAL
CULTURAL CENTER

LUCKNOW IS A CITY WITH MANY POSITIVE ASSETS THAT INCLUDE WORLD-CLASS HISTORIC AND INDO-ISLAMIC AND EUROPEAN ARCHITECTURE, BEAUTIFUL PARKS, TOMBS AND OTHER MONUMENTS. BUT AGAINST THIS BACKDROP MANY AREAS SUFFER FROM A DOMINATION OF VEHICULAR TRAFFIC WHILST PEDESTRIANS AND CYCLISTS, AS IMPORTANT USER OF THIS CITY, ARE OFTEN GIVEN LOW PRIORITY AND INADEQUATE FACILITIES. AND ALSO, THE IMPORTANCE OF AWADH CULTURE AND HERITAGE IS VANISHING WITH THE COURSE OF TIME.

SMART CITY MISSION SETS OUT THE PLAN TO REVITALIZE THE HERITAGE ZONE- QAISERBAGH COMPLEX AND TO EXAMINE THE STATE OF MOBILITY TO FIND THE SOLUTIONS TO THE CURRENT SITUATION

WHY QAISERBAGH?

THE AREA SHORTLISTED HAD TO BE A TRUE REPRESENTATIVE OF LUCKNOW. AS IT WAS THE MOST RATED SITE SINCE, IT HAS SERIOUS ISSUES AND HERITAGE SITES. THE QAISERBAGH COMPLEX IS THE OLDEST AREAS OF THE LUCKNOW CITY. ONE OF THE MAJOR REASONS FOR SELECTION IS LACK OF MAINTENANCE. ATTENTION IS CONCENTRATED ON NEW BUILDINGS ONLY. AS A CONSEQUENCE, AWADH ARCHITECTURE IS SUFFERING FROM A SETBACK. THIS PROJECT IS A GREAT OPPORTUNITY TO REVIVE THE COM-EXAMPLE DESIGN AWADH



SOURCE: INTERNET

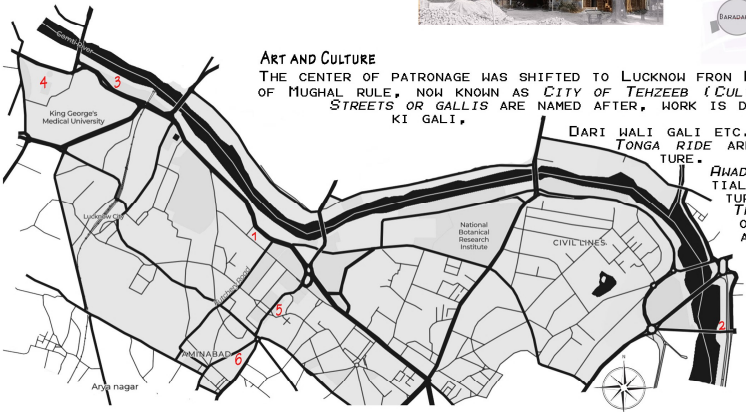
SOURCE: INTERNET

HERITAGE, ART AND CULTURE
URBAN FABRIC

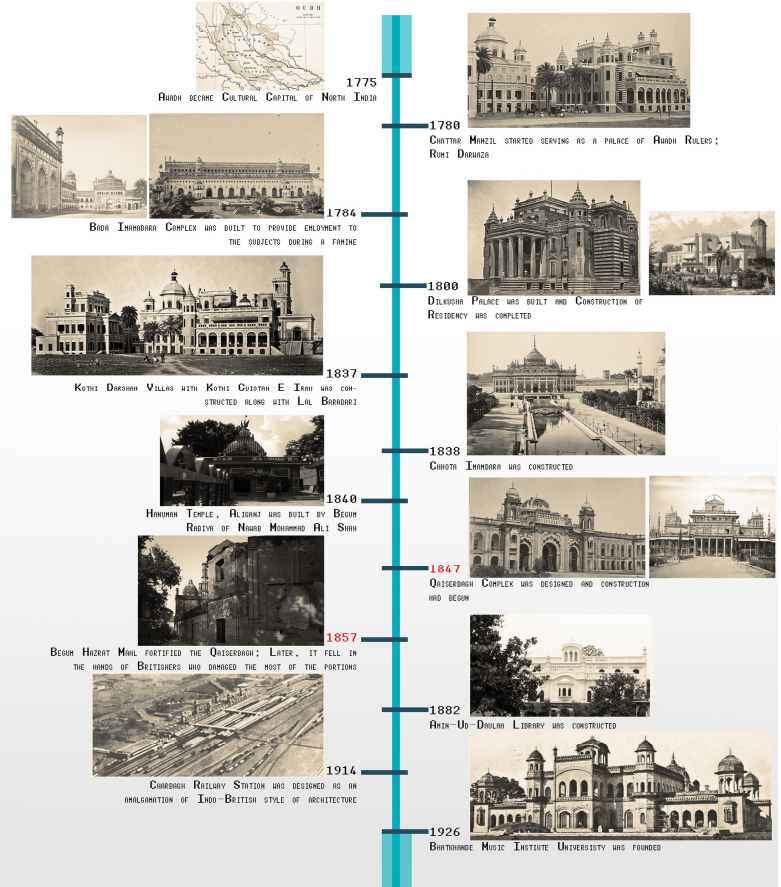
LUCKNOW HAS BEEN A CITY WHERE THE RAYS OF DIFFERENT CULTURES, LANGUAGES, CREEDS AND COMMUNITIES MERGED FROM THE AWADH SYNDROME AND WHERE THE INDIANS AND FOREIGNERS, CHARMED BY ITS PECULIAR ATTRACTIVENESS, MADE THEIR HOMES. THEY LEFT THEIR MARK ON THE CITY. VESTIGES OF THE PAST STAND EVERYWHERE, WHISPERS ABOUT THE CENTURIES THAT HAVE SEEN LUCKNOW EVOLVE FROM ITS HUMBLE ORIGIN TO THE BUSTLING, LIVING CITY OF TODAY.

CONTEMPORARY FABRIC

THE HEART OF THIS MAGNIFICENT CITY, LIES IN THE AMALGAMATION OF STYLES AND IS BLESSED WITH THE SPLENDID PAST. THE PRESENT HISTORIC FABRIC IS THIRSTY FOR ITS REJUVENATION AND CONSERVATION.



AWADH LUCKNOW HAS A GLORIOUS CULTURAL PAST, WHERE MANY BUILDINGS WERE BUILT SURPASSING EACH OTHER IN BEAUTY AND SPLENDOUR. THE GROWTH OF ARCHITECTURE IS DIVIDED INTO THREE PHASES. THE TIMES OF NAHABS, THE COLONIAL ERA AND THE MODERN ERA. THE FIRST PHASE COMPRISES THOSE MODELED AFTER THE MUGHAL STYLE SHOWING ITS DEGENERATE TRANSFORMED FORM;



LUCKNOW IS AN INCREDIBLE CITY, BUT NOW IT HAS AS ODD ARRANGEMENTS OF BUILDINGS WHEREIN THE NEW AND TALL ONES ARE PUSHING HARD TO SQUEEZE INTO SPACE SHELTERING OLD HERITAGE BUILDINGS AND MONUMENTS. THE HERITAGE AND CULTURE HAVE HAD HIT A MAJOR SETBACK.

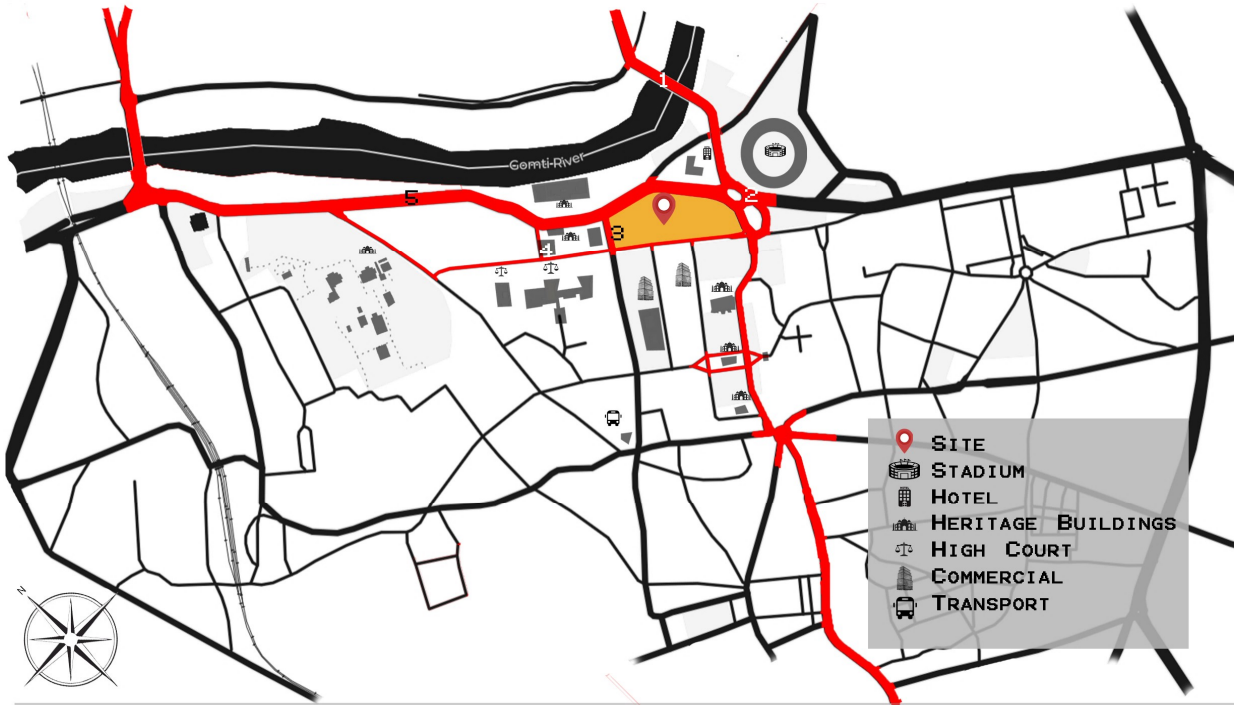
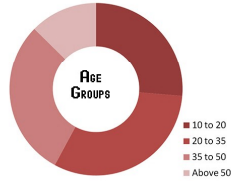
ISSUE	DESCRIPTION
TRAFFIC CONGESTION	UNREGULATED DEVELOPMENT OF THE CITY HAS LEAD IN THE TRAFFIC CONGESTION IN THE HERITAGE ZONE.
DEGRADING HEALTH & HYGIENE	MOST OF THE REGIONS IN LUCKNOW IS COVERED BY THE DUMPED GARBAGE FROM THE RESIDENCES
URBAN POLLUTION	DUMPED GARBAGE IS DISPOSED, THEREAFTER COMBUSTED SO SECOND LAYER COULD BE DISPOSED.
UNEMPLOYMENT	NATIONAL SAMPLE SURVEY ORGANISATION (HSSO) REVEALS THAT THE UNEMPLOYMENT RATE IN LUCKNOW IS HIGHEST FOR MEN
SLUMS	UNEMPLOYED & LOW-PAID MIGRANTS CREATE A NEW TYPE OF RESIDENTIAL SETTLEMENT, CONTRADICTORY TO EXISTING URBAN PLAN



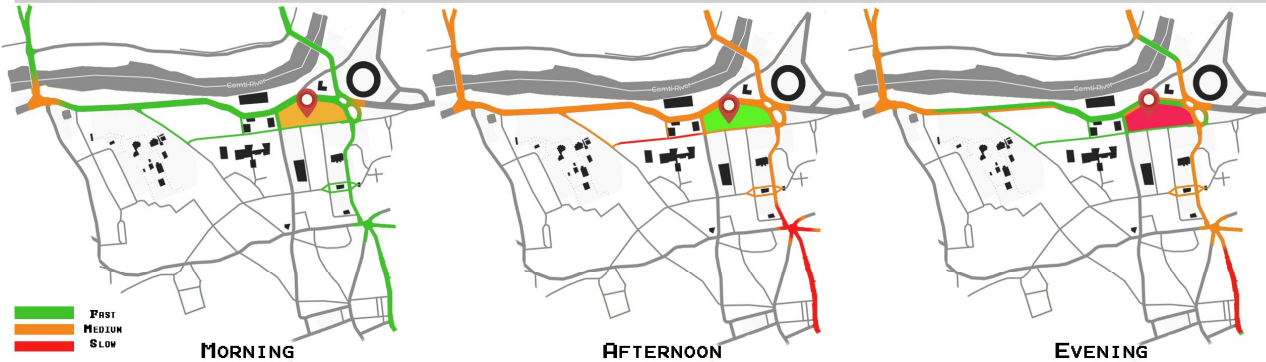
SITE ANALYSIS

USERS

MIDDLE CLASS
BOTH HINDU & MUSLIM
ALL AGE GROUPS
EXCEPT OLD AGE
MOST TEENAGERS
AT WEEKEND
LOCAL PEOPLE



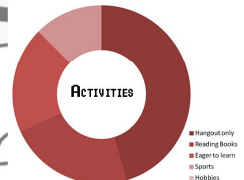
TRAFFIC



USERS ACTIVITIES

2001-PRESENT
LUCKNOW EXPO-SITION
HANGOUT PLACE
MORNING & EVENING WALKS
PLAY LOT FOR KIDS
ASSEMBLY SPACE FOR LOCAL EVENTS

1957-2001
RALLY GROUND
FESTIVAL CELEBRATIONS

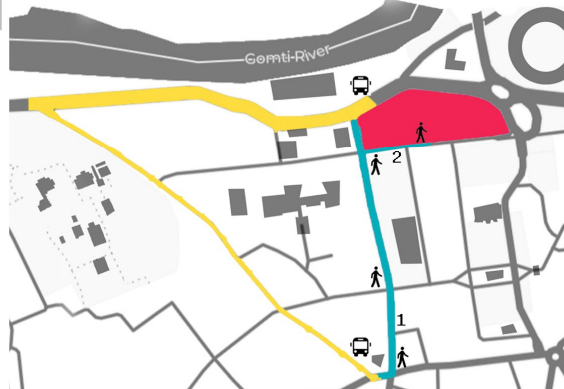


ACCESSIBILITY

BUS STOP
SHASTRA BHAWAN (NEAR TO SITE)
35 LU

PEDESTRIAN ROUTE
NARAD ALI MARG (1) AND RANI LAKSHI BAI MARG (2) 800 M FROM BUS STOP

CHARRBAGH RAILWAY STATION
NEARBY BUS STOPS:-
CHARRBAGH BUS STOP, KKC, BRANS MANDI MOD 11, 11G, 12, 23, 23A, 23B, 23T, 24, 33, 33C, 33S, 33I, 34, 45, 66, 66A, 69 SAKH- 4 Km (APPROXIMATELY)



VEGETATION

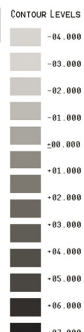
SHEESHAM TREE
DHAK TREE
MAHUAMM TREE
ASHOKA TREE
MANGO TREE

HYDROLOGY

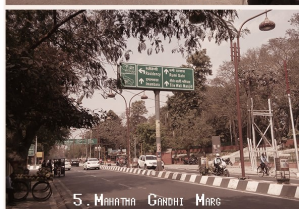
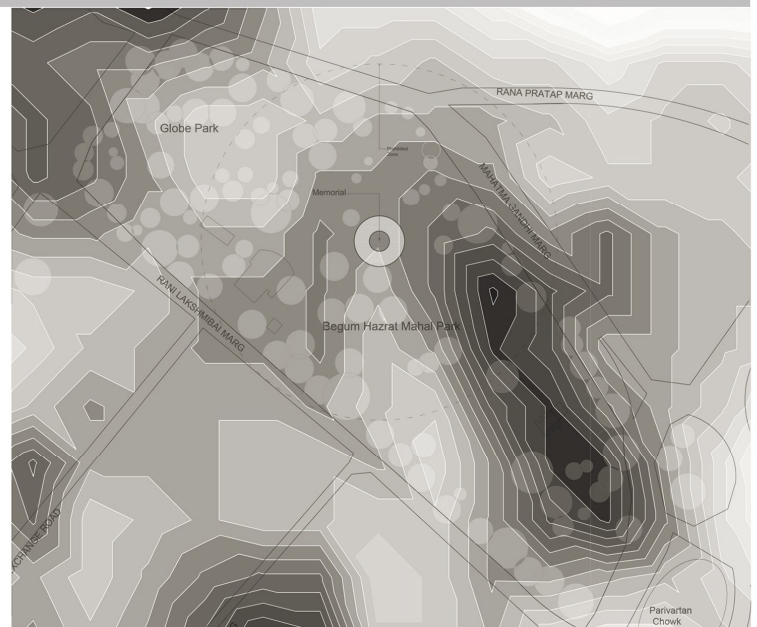
PRE-MONSOON WATER
LVL-23.4MBGL
POST-MONSOON WATER
LVL-19.87MBGL

SOIL CHARACTERISTICS

THE MAJOR PORTION IS OCCUPIED BY BHUR OR SILTY SAND, MATIYAROR CLAY SOIL & DUMAT OR LOAMY SOIL. ALONG THE RIVER VALLEYS, DUMAT IS PREVALENT. LOAMY SOIL IS COMPOSED OF SAND, SILT AND A SMALLER AMOUNT OF CLAY. IT IS USED IN CONSTRUCTION AS A STABILISED EARTH MATERIAL.



TOPOGRAPHY



SECTIONS



EXISTING SITE PLAN



SITE PHOTOGRAPHY



OBSERVATIONS & SWOT ANALYSIS

	Strength	Weakness	Opportunity	Threat
Site Analysis				
•Location	Prime in Lucknow	Nil	Easy to attract visitors and tourists	Nil
•Transport	Public Transportation available	Unmanaged Access Street	Public Transportation reduces the traffic jam rate	Traffic Jams at the peak hours
•Accessibility	Four Entries	One in use	Could be made easy to approach in the Site	Security issues
•Topography	Contoured Site	Nil	Levels could be easily achieved	Nil
•Signage Facilities	On arterial road, properly done	Inside the site - None	Easy to approach nearby places	Time-consuming
•Zoning	Nil	Unregulated Development	Could be planned and achieve zoning within the Site	Haphazard to understand
•Circulation	Easy-going within the Site	Nil	Could be referred while improvement	Nil
•Connectivity within Site	Smooth, well-connected	Nil	User-friendly	Nil
Climate Analysis				
•Design Analysis	Nil	Non-shaded area	Nil	Hectic Walk in the Sunlight
•Facilities	Nil	Unhygienic Washrooms	Nil	Prone to diseases
•Orientation	NW-SE	Nil	Ample Amount of Sunlight is available	Nil
•Wind Direction	NW-W-E	Nil	Favourable Condition, Along the Site most of the year	Nil
•Shading Devices	Could be improvised	Nil	Design will be cost-effective	Nil
•Ventilation	Favourable wind direction along the Site	Neighbourhood Context is unfavourable	Design will be cost-effective	a challenge to achieve

CLIMATOLOGY

HUMID SUBTROPICAL CLIMATE
COOL & DRY WINTERS MONTHLY MEAN-5 DEG.C. MID-NOVEMBER TO FEBRUARY
HOT & DRY SUMMERS MONTHLY MEAN-45 DEG.C. LATE-MARCH TO JUNE
RAINY SEASON AVERAGE 900MM (SW WINDS) JULY TO SEPTEMBER
HUMIDITY HIGH IN MONSOON & LOW IN SUMMERS

GEOGRAPHY

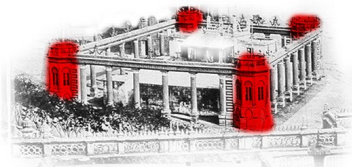
LOCATED AT THE BANK OF RIVER GOMTI, SITUATED IN THE MIDDLE OF THE INDUS-GANGETIC PLAIN BOUNDED BY BARABANKI ON THE EAST, UNNAO ON THE WEST, RAE BAREILLY ON THE SOUTH AND BY SITAPUR & HARDOI IN THE NORTH.

Summer Solstice

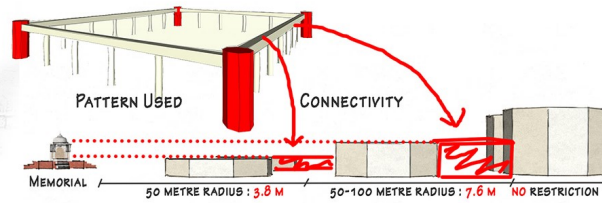
Westerly & North Westerly winds prevail throughout the year

Winter Solstice

Easterly wind prevail in Summer in the month of May



USE OF OCTAGONAL ELEMENTS

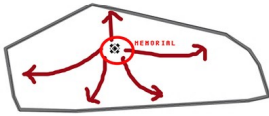


CONCEPTUAL SKETCHES

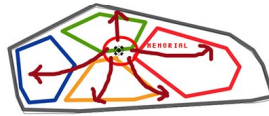
CHALLENGE 1- HEIGHT RESTRICTION



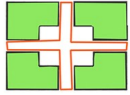
DEVELOPMENT OF LUCKNOW CITY
BESIDE RIVER GOMTI



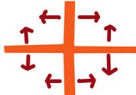
DEVELOPMENT OF SITE
BESIDE THE EXISTING ME-



SITE ZONING



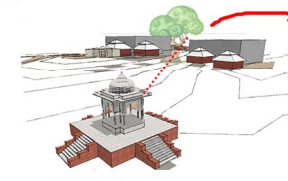
CHARBAGH PATTERN



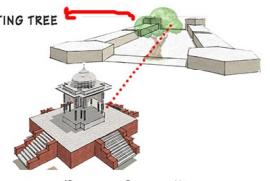
NEW CHARBAGH PATTERN



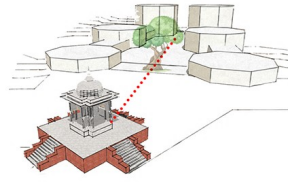
ALIGNMENT



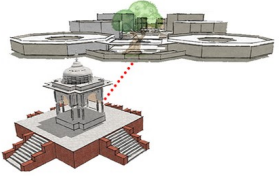
DESIGN STAGE I



DESIGN STAGE II



DESIGN STAGE III



DESIGN STAGE IV

CHALLENGE 2- HERITAGE SITE CONTEXT

DESIGN DEVELOPMENT PROCESS



SOUTH-FACING CONTOURS
DUMAT SOIL (LOAMY)
SUITABLE WATER LEVEL

CONDITIONS FOR
BERMED STRUCTURE



CHALLENGE 3- USE OF EXISTING TOPOGRAPHY

USE OF ARCHITECTURAL ELEMENTS

USE OF NATURAL LIGHT

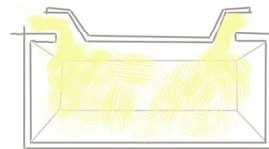


RUMI DARWAZA - ARCHED GATEWAY

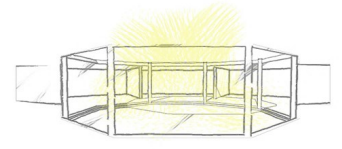


OCTAGON

OCTAGONAL ARCH



STUDY OF LIGHTING IN INTERIOR SPACES



BEGUM HAZRAT MAHAL MEMORIAL

QAISERBAGH IS A COMPLEX IN THE CITY OF LUCKNOW, LOCATED IN THE AWADH REGION UNDER THE ORDER OF LAST EMPEROR, NAHAB WAJID ALI SHAH, WHO ENVISIONED TERS WITH LARGE COURTYARDS ALONG WITH TWO MARKETS. THIS COMPLEX WAS DE- THE LEADERSHIP OF BEGUM HAZRAT MAHAL, WHO HAD ASSUMED LEADERSHIP AFTER

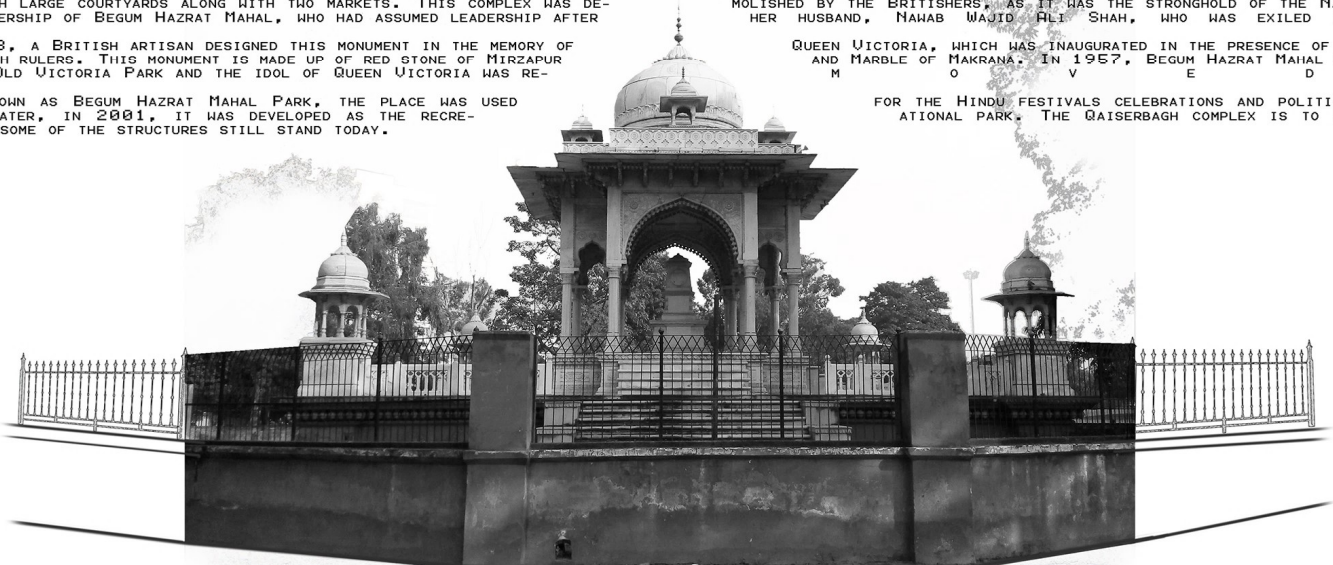
IN 1908, A BRITISH ARTISAN DESIGNED THIS MONUMENT IN THE MEMORY OF AND AWADH RULERS. THIS MONUMENT IS MADE UP OF RED STONE OF MIRZAPUR AT THE OLD VICTORIA PARK AND THE IDOL OF QUEEN VICTORIA WAS RE-

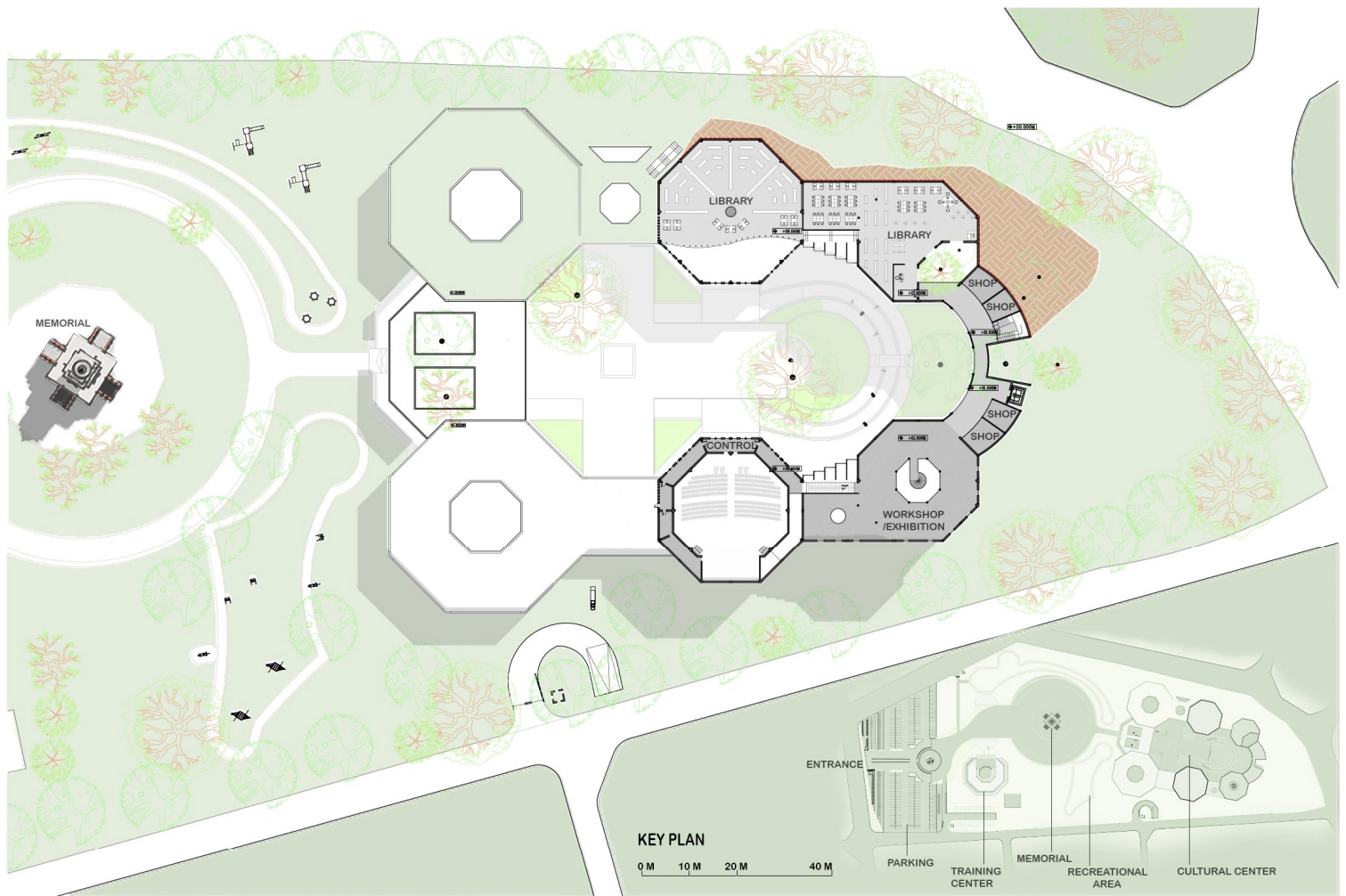
NOW, KNOWN AS BEGUM HAZRAT MAHAL PARK, THE PLACE WAS USED TIES. LATER, IN 2001, IT WAS DEVELOPED AS THE RECRE- IZED AS SOME OF THE STRUCTURES STILL STAND TODAY.

OF INDIA. THE SITE INCLUDES SEVERAL BUILDINGS AND GARDENS AND WAS CONSTRUCTED THE PLACE AS A PARADISE. THE COMPLEX CONSISTS OF GARDENS, RESIDENTIAL QUAR- MOLISHED BY THE BRITISHERS, AS IT WAS THE STRONGHOLD OF THE NAHABS UNDER HER HUSBAND, NAHAB WAJID ALI SHAH, WHO WAS EXILED IN 1856.

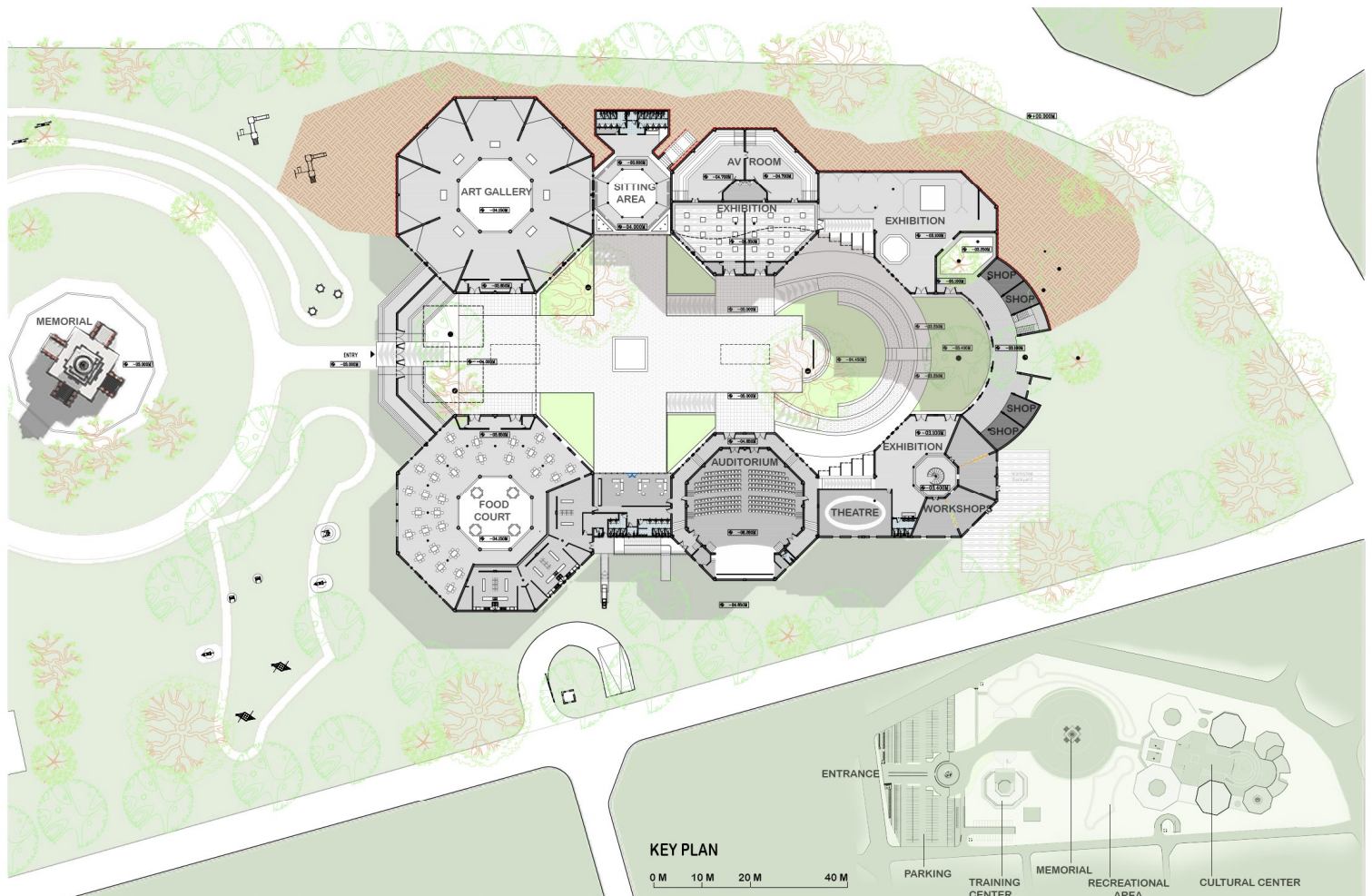
QUEEN VICTORIA, WHICH WAS INAUGURATED IN THE PRESENCE OF BRITISHERS AND MARBLE OF MAKRANA. IN 1957, BEGUM HAZRAT MAHAL WAS HONORED M O V E D .

FOR THE HINDU FESTIVALS CELEBRATIONS AND POLITICAL ACTIVI- ATIONAL PARK. THE QAISERBAGH COMPLEX IS TO BE REVITAL-





FIRST FLOOR PLAN



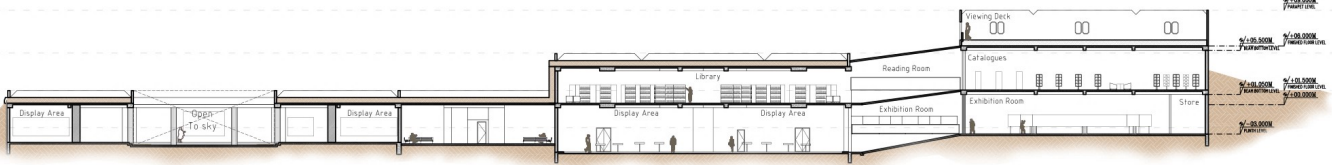
GROUND FLOOR PLAN



SITE PLAN



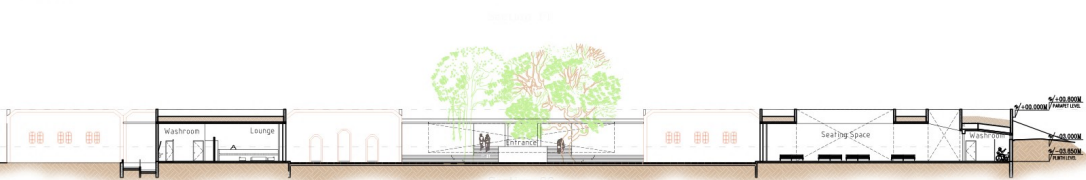
ELEVATION XX



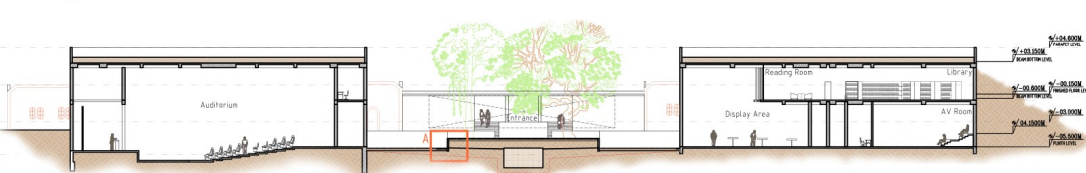
SECTION TT



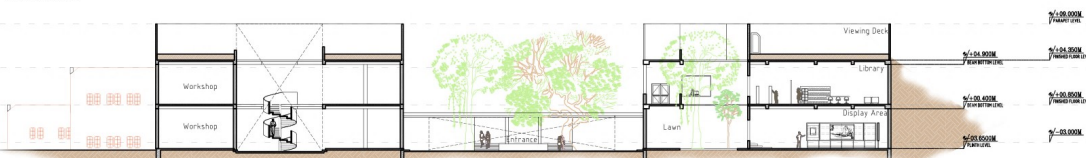
SECTION PP



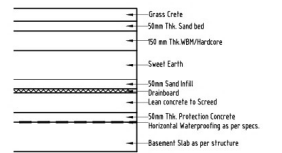
SECTION QQ



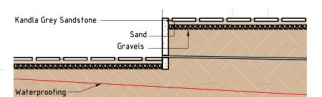
SECTION RR



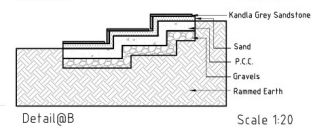
SECTION SS



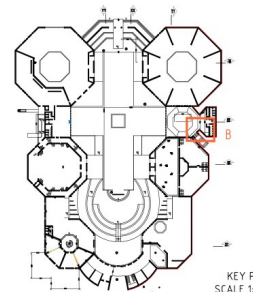
Bermed Roof Details Scale 1:10



Detail@A Scale 1:50



Detail@B Scale 1:20



KEY PLAN

SCALE 1:1000

SECTIONS

