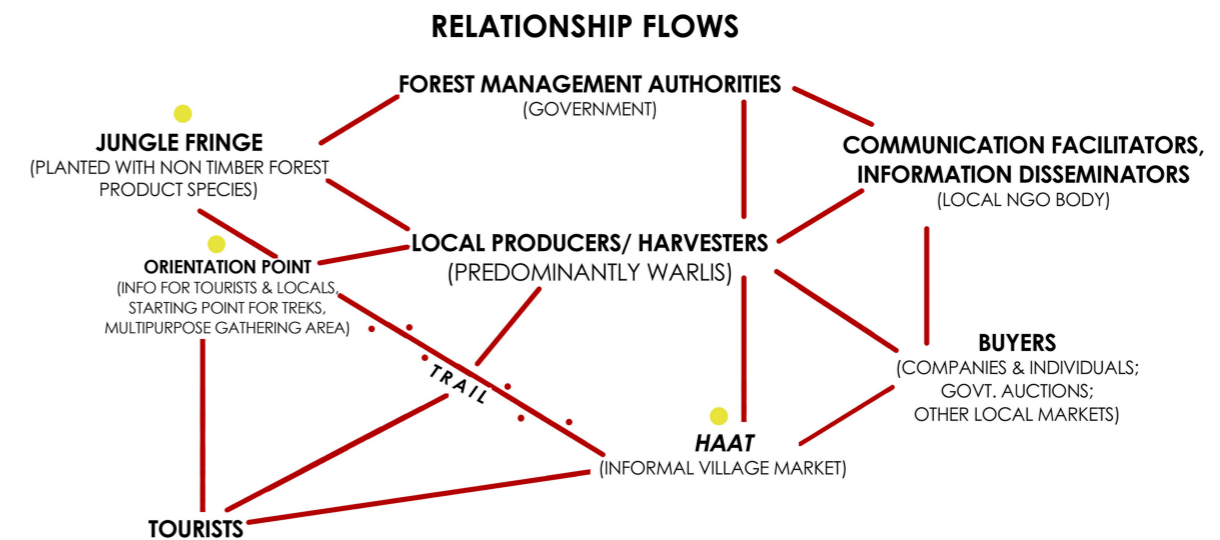
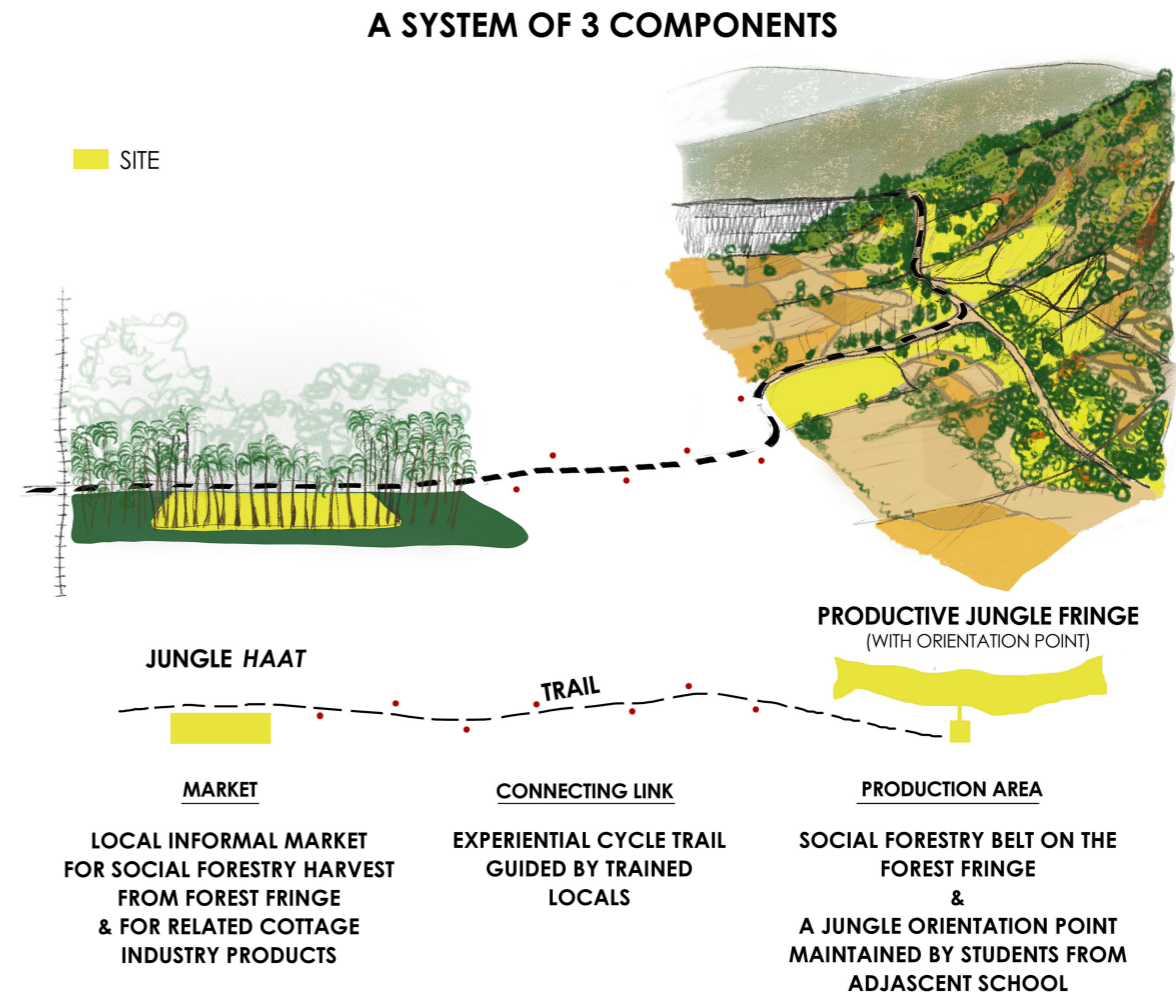


GAINING NEW PERSPECTIVES :
ECOLOGICAL SECURITY + ECONOMIC GROWTH + EXPERIENTIAL DESIGN



Country / City India, Ahmedabad
 University / School CEPT University
 Academic year 2017-18
 Title of the project Gaining New Perspectives: Ecological Security + Economic Growth + Experiential Design
 Authors Chetna Singh



PERFORMATIVE NATURE

Barcelona International Landscape Architecture Biennial

September 2018 **Barcelona**

SCHOOL PRIZE

X International Landscape Architecture Biennial

Máster d'Arquitectura del Paisatge -DUOT - UPC

ETSAB- Escola Tècnica Superior

d'Arquitectura de Barcelona

Avenida Diagonal, 649 piso 5

08028 Barcelona-Spain

TECHNICAL DOSSIER

Title of the project	Gaining New Perspectives : Ecological Security + Economic Growth +Experiential Design
Authors	Chetna Singh
Title of the course	Landscape Studio 2
Academic year	2017-18
Teaching Staff	Dr. Deepa Maheshwari, Divya Shah
Department/Section/Programofbelonging	Masters in Landscape Architecture, Faculty of Architecture
University/School	CEPT University

Written statement, short description of the project in English, no more than 250 words

The site is part of Dahanu “*taluka*” (administrative district), the only lung for the surrounding highly polluted and urbanised cities of Maharashtra and Gujarat states, India. This area is thus particularly important by virtue of its location, and its rich natural resource base needs protection. 65 % of its population consists of the indigenous Warli tribals, who live in small hamlets dotting the foothills of the forested Western Ghats range (tropical moist-deciduous teakwood forest). Most practice subsistence paddy cultivation and are increasingly looking to towns for supporting incomes. Moreover, their age-old, close associations with the forest as its beneficiaries and stewards are disappearing under the ripple effects of surrounding urbanisation.

The proposal strives for ecological security + economic development through experiential design – to build an inherent resilience within this rural landscape & its people to sustain their environment friendly traditions whilst making economic progress too. This is proposed through a system that'd revitalise the mutually beneficial relationship between the Warlis and their forest. It comprises of 3 components: (1) **Productive Forest Fringe**: Social forestry on forest fringe to prevent over exploitation of inner forest. An **Orientation Point** is also proposed for information dissemination. (2) **Supporting Haat Area**: Local market for social forestry harvest & related products. This is also where the proposed cycle trail begins. (3) **Connecting Cycle Trail**: Minimal interventions along this route attempting to direct attention to the landscape & cultural values that are on the cusp of change, which could lead to meaningful reflection for the observer.

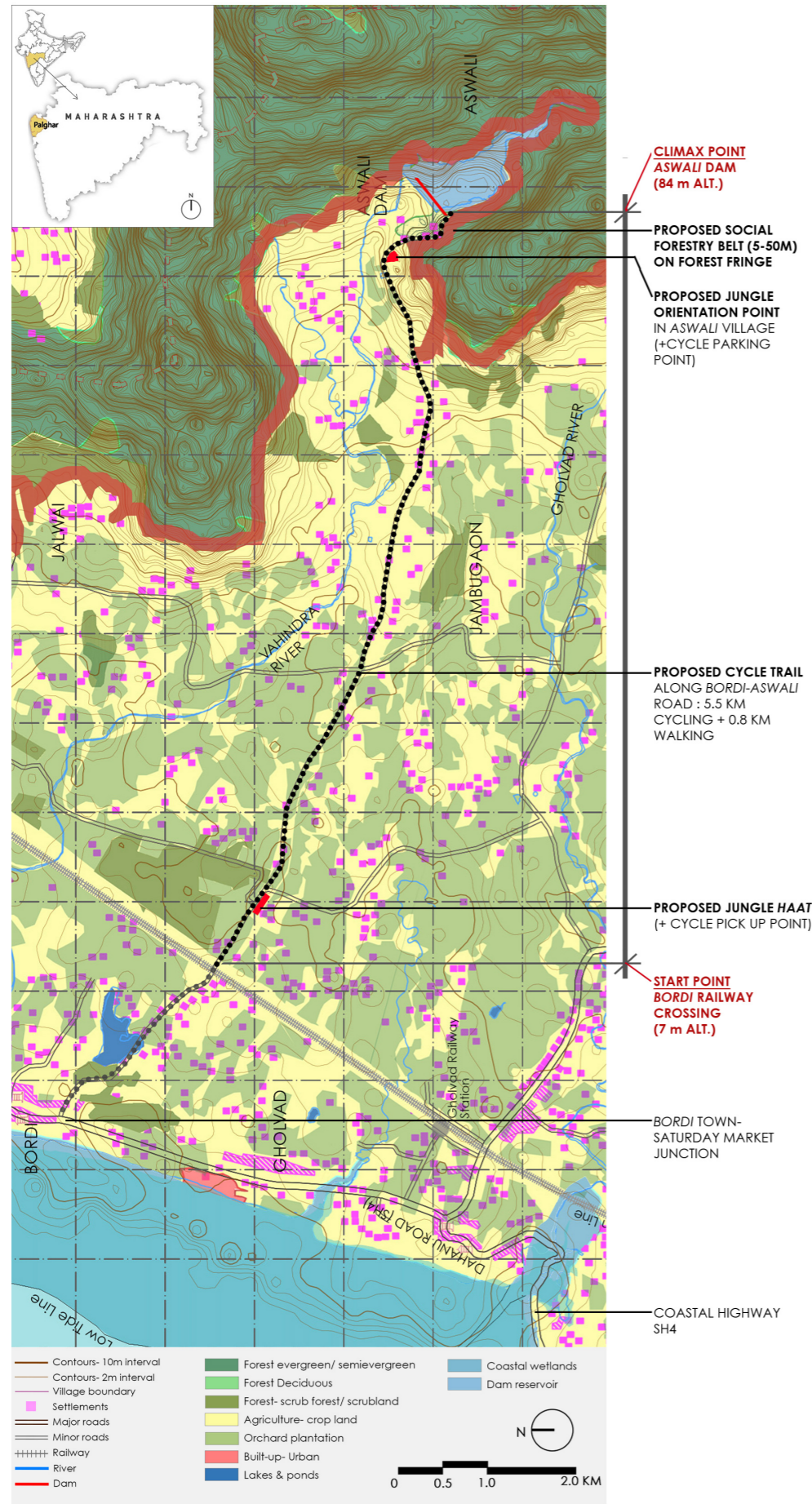
For further information

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Contact via email at: biennial.paisatge@upc.edu

Consult the web page <http://landscape.coac.net/>

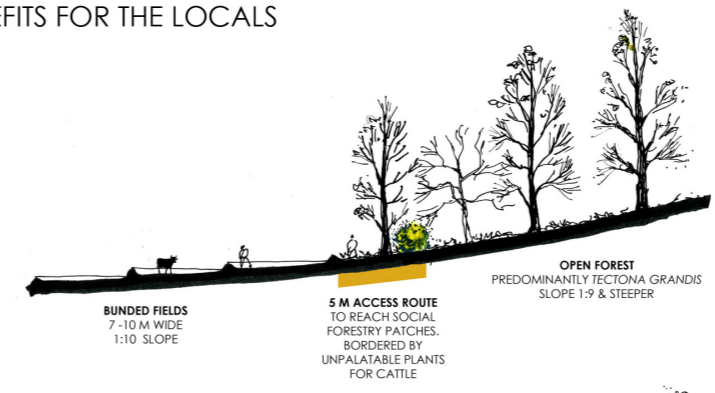
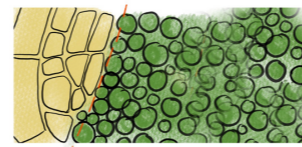


TYPICAL EDGE CONDITIONS FOR SOCIAL FORESTRY

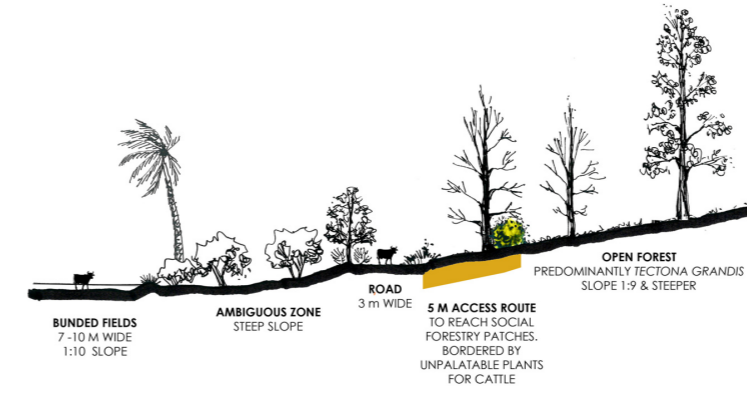
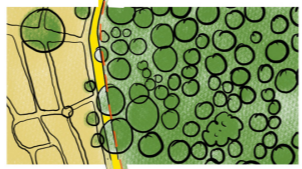
KEY ASPECTS:

- TO TAP BETTER GROUNDWATER THAN INNER FOREST SLOPES
- TO PREVENT DEGRADATION OF INNER FOREST
- FOR LONG TERM ECOLOGICAL SECURITY OF FOREST
- FOR ECONOMIC BENEFITS FOR THE LOCALS

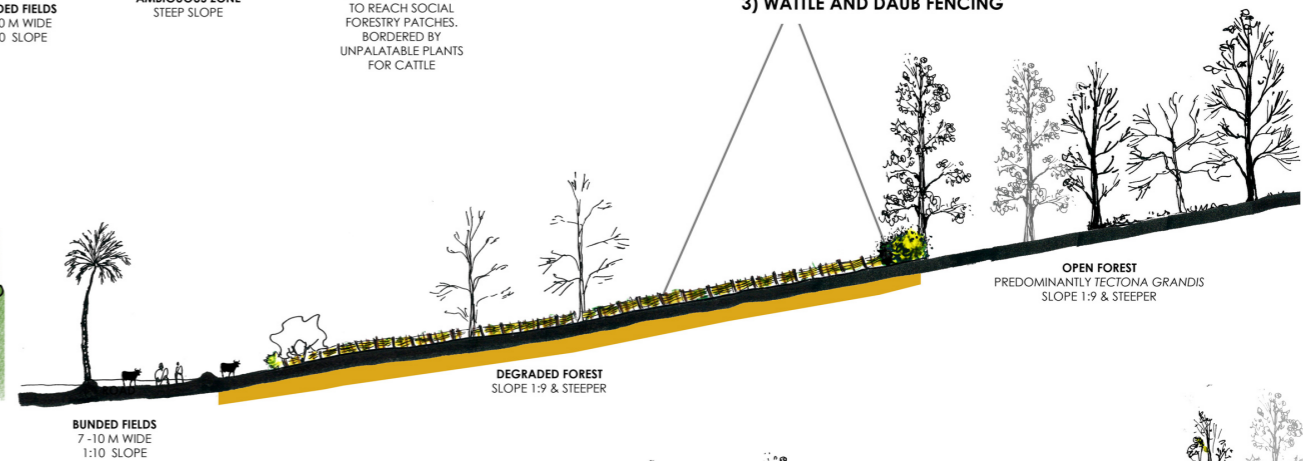
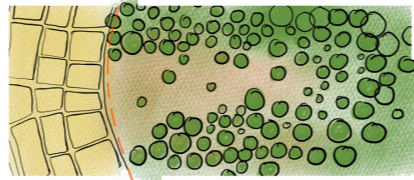
1 FIELDS - FOREST



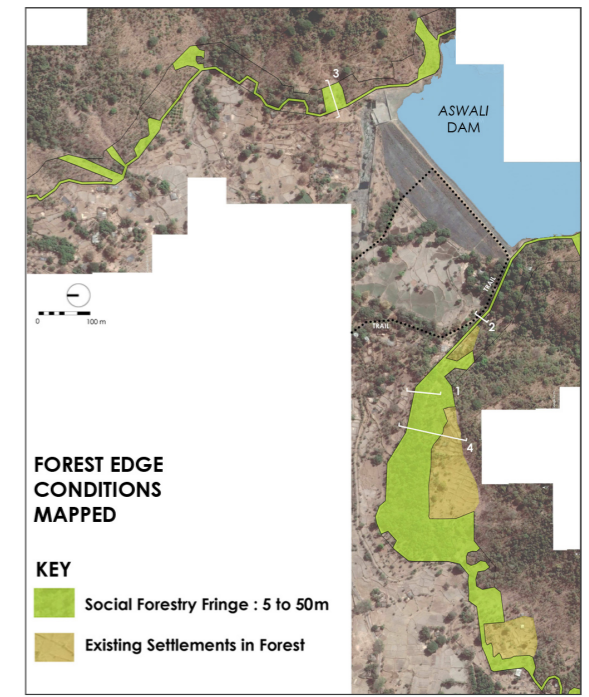
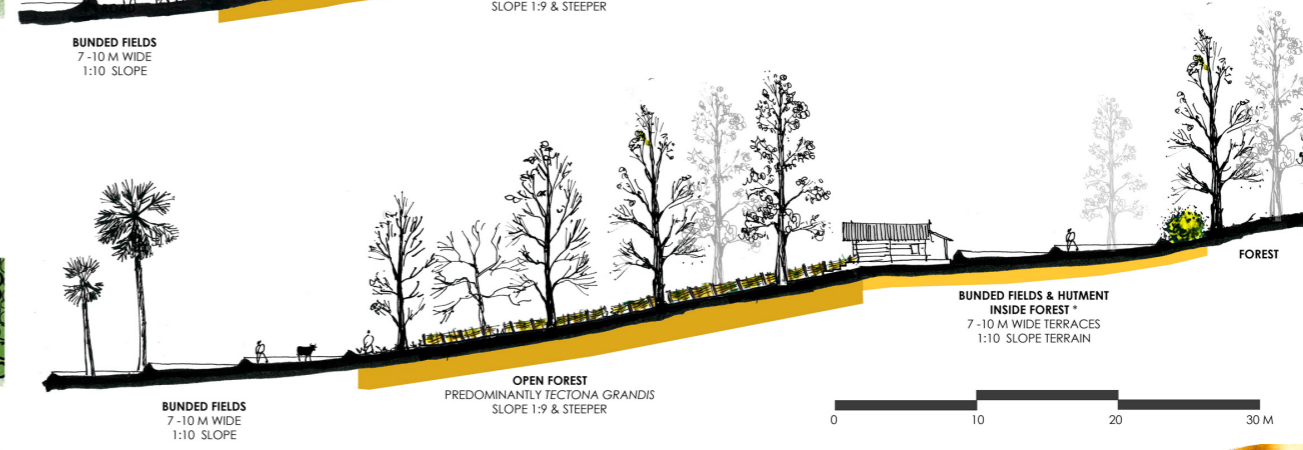
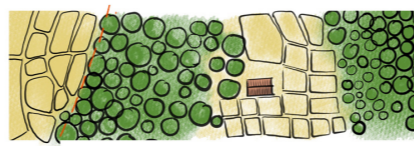
2 ROAD - FOREST



3 DEGRADED FOREST - FOREST



4 FIELDS - FOREST - FIELDS - FOREST



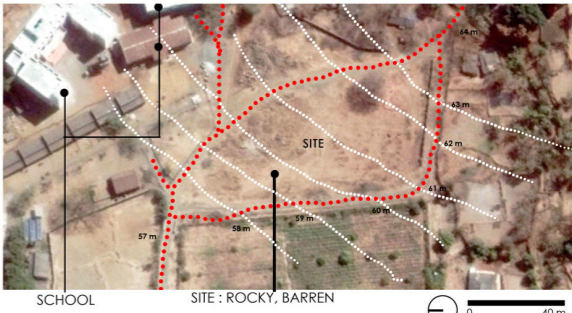
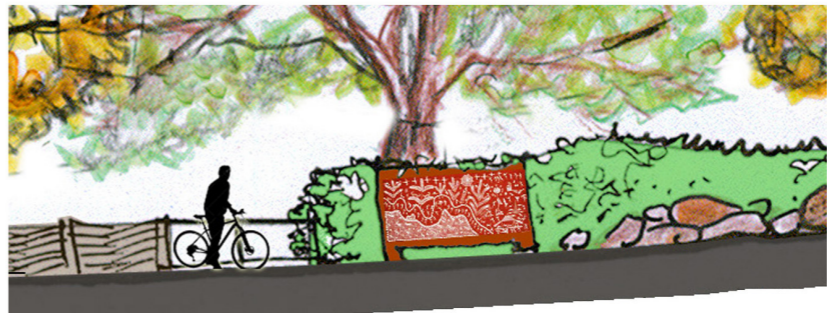
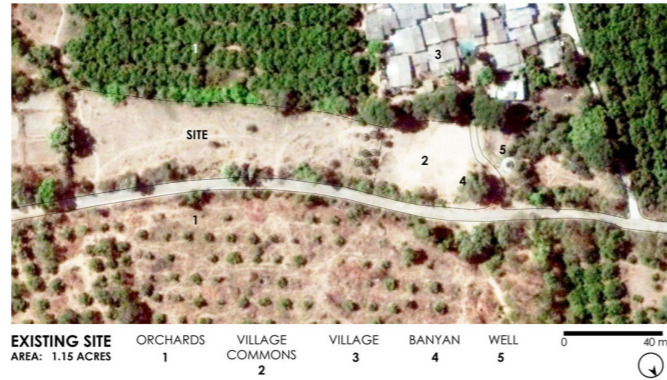
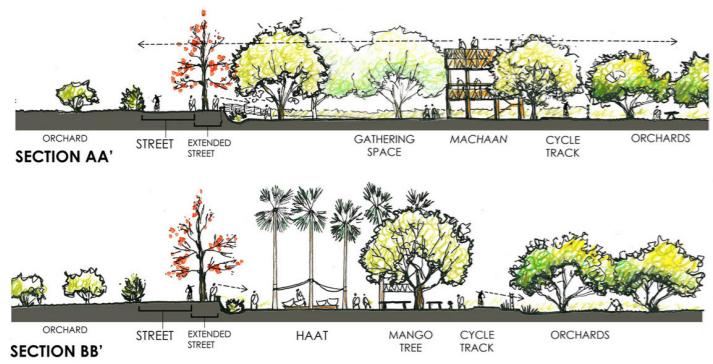
- ZONE PROPOSED FOR SOCIAL FORESTRY
- EXISTING SETTLEMENT AMALGAMATED WITH SOCIAL FORESTRY AREA

- ENCLOSURE FORMED BY :**
- 1) THORNY PLANTS/
 - 2) UNPALATABLE PLANTS FOR CATTLE /
 - 3) WATTLE AND DAUB FENCING

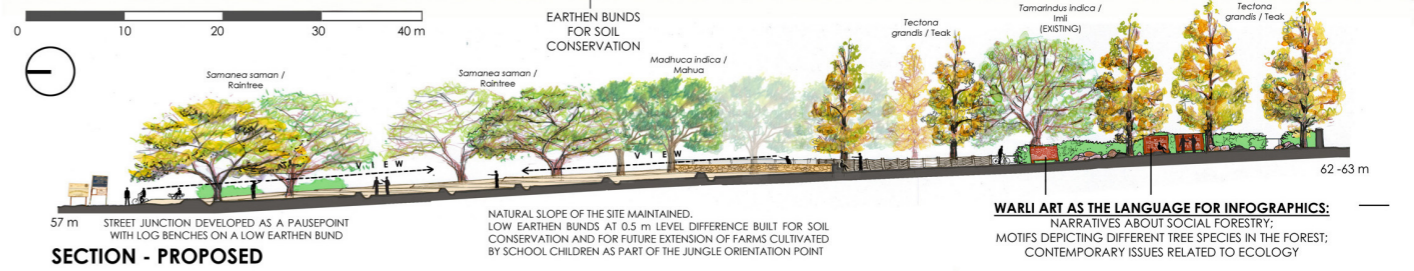
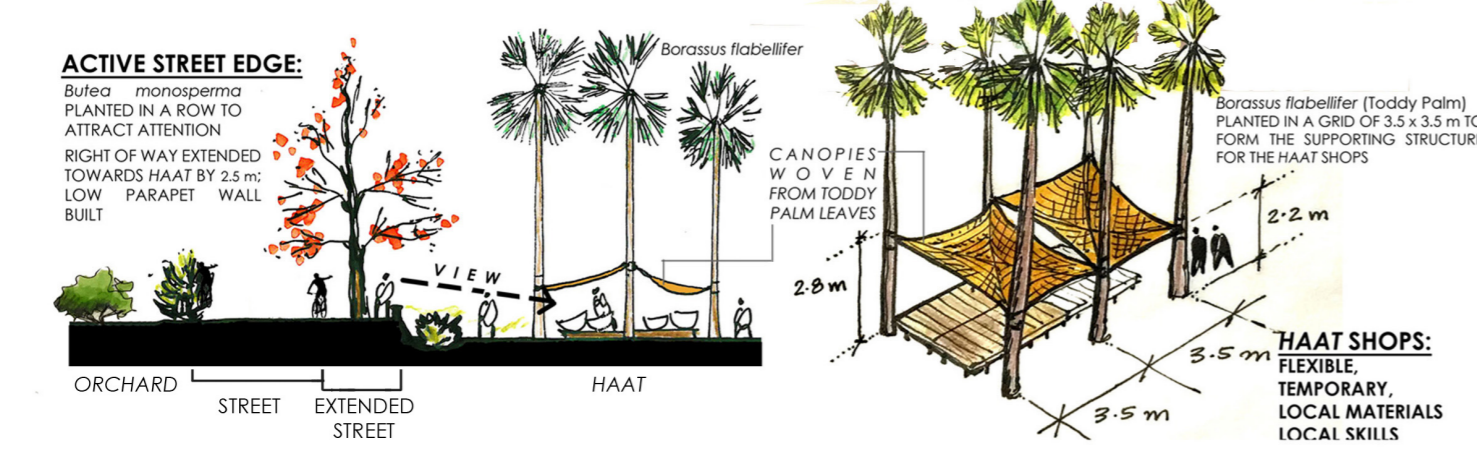
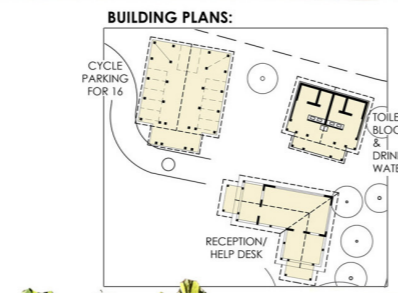
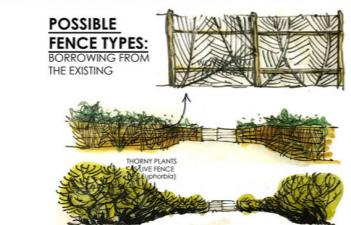
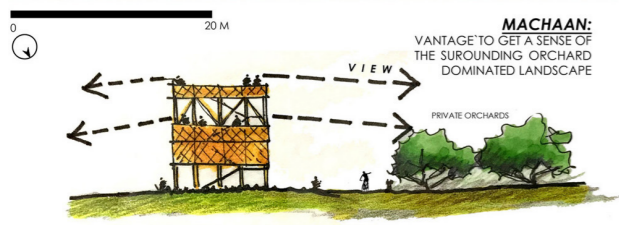
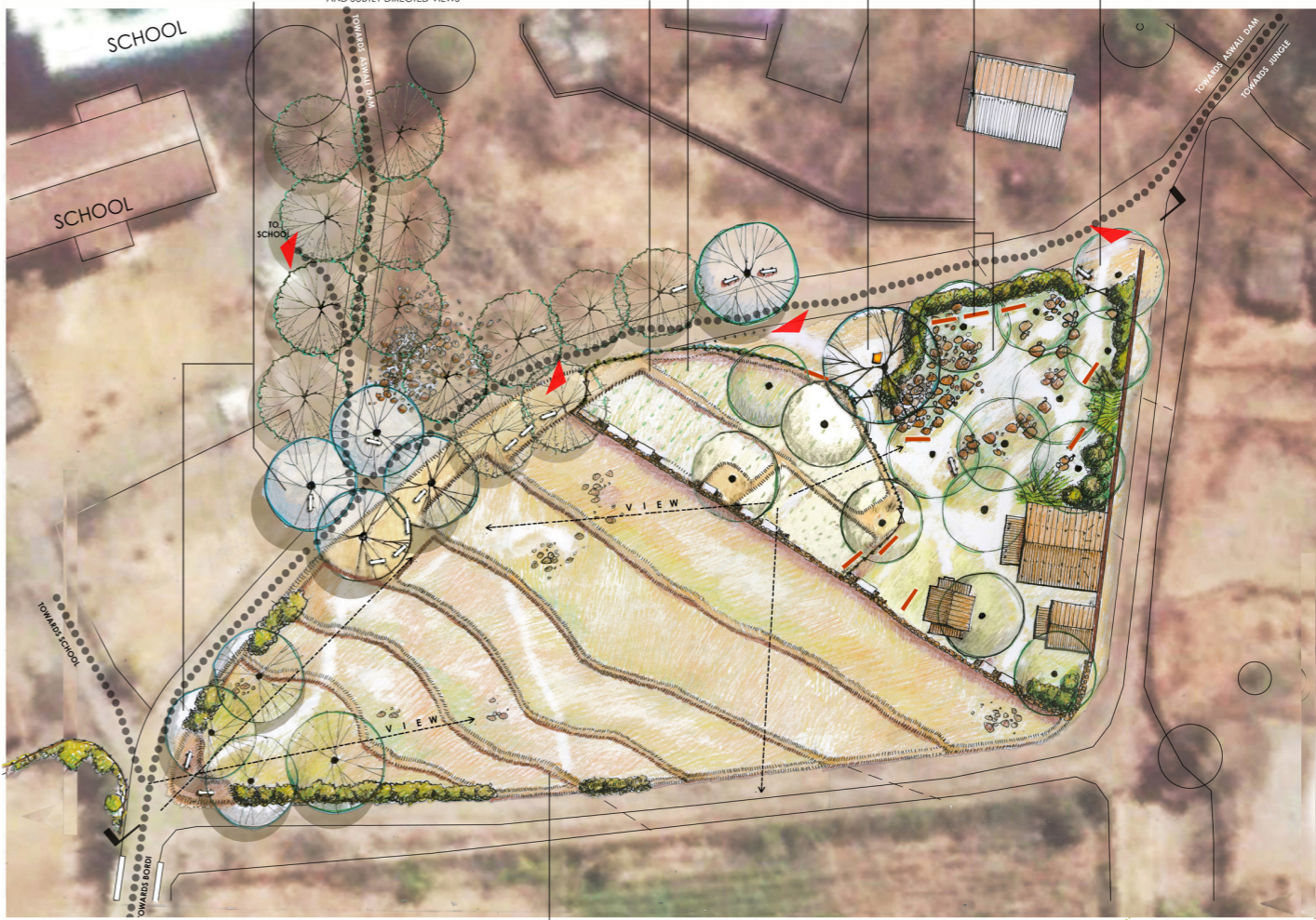
ALL PROPOSED SITES & CYCLE TRAIL MARKED ON LAND USE MAP

PROPOSED PRODUCTIVE FOREST FRINGE : TYPICAL EDGE CONDITIONS FOR SOCIAL FORESTRY



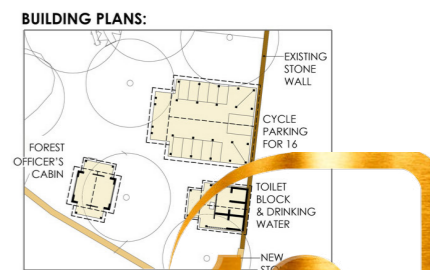


RAIN TREES FRAME THE VIEW : BOTH STREET NODES TREATED AS PAUSE POINTS WITH SHADED SEATING AND SUBTLY DIRECTED VIEWS
EARTHEN BUNDS FOR SOIL CONSERVATION
SOCIAL FORESTRY DEMO PATCH (MAINTAINED BY SCHOOL STUDENTS)
MARKER UNDER EXISTING IMILI TREE : FOR THE JUNGLE ORIENTATION POINT (LIKE THE GAARDEVI SHRINES)
WARLI INFOGRAPHIC WALLS : GATHERING SPACE UNDER TEAK TREES
GATE : LOG BENCH UNDER TEAK TREE



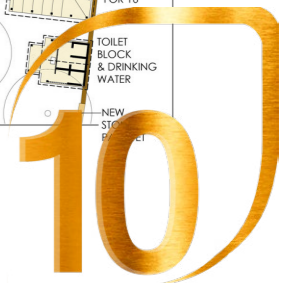
- SCHOOL STUDENTS FROM THE ADJACENT GOVERNMENT SCHOOL TO PARTICIPATE IN THE BUILDING AND MAINTANANCE OF THIS JUNGLE ORIENTATION POINT, ITS WARLI INFOGRAPHIC WALLS, ITS TEAK TREES AND THE DEMO SOCIAL FORESTRY PATCH.
- SPACE BELOW TEAK TREES TO BE USED FOR INFORMAL GATHERINGS AND METINGS WITH NGO'S
- A CABIN FOR THE FOREST OFFICER IS PROVIDED TO ENCOURAGE VISITS AND INVOLVEMENT FROM HIS SIDE.

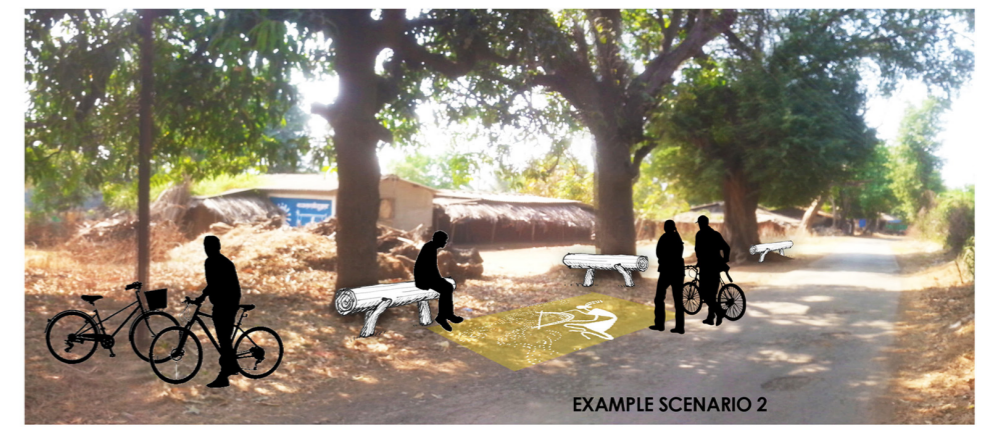
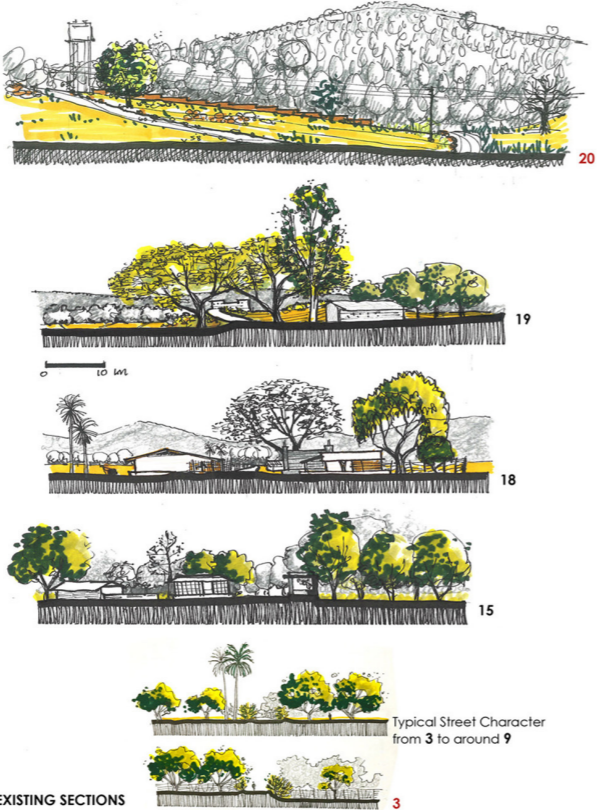
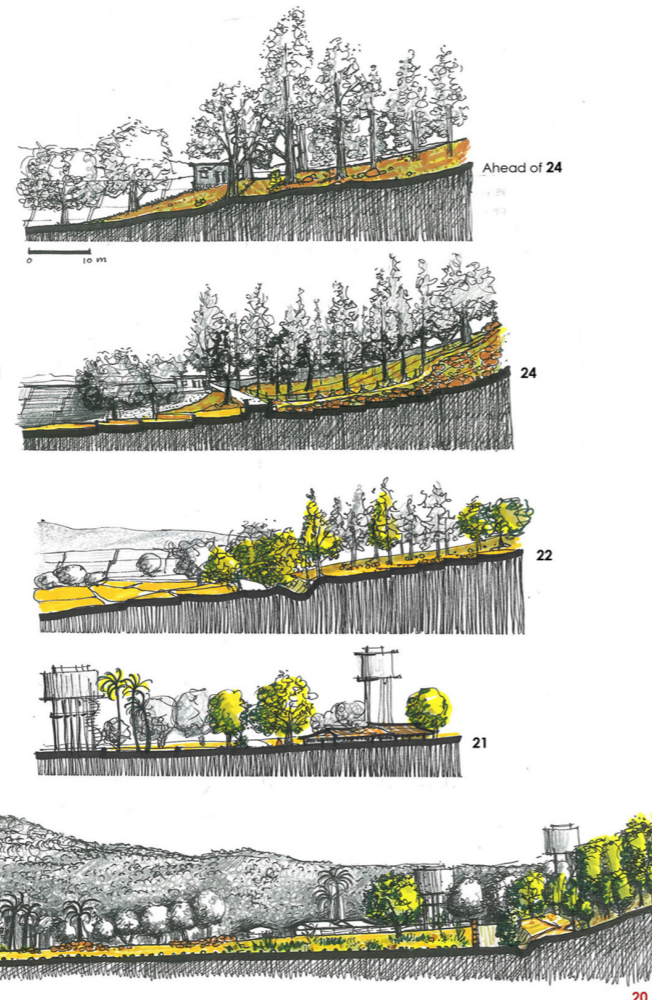
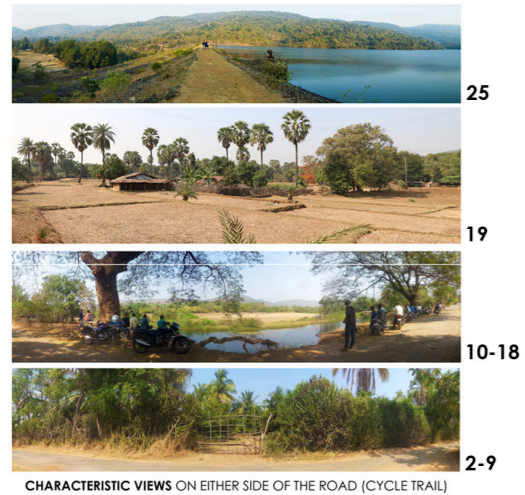
WARLI ART AS THE LANGUAGE FOR INFOGRAPHICS:
NARRATIVES ABOUT SOCIAL FORESTRY; MOTIFS DEPICTING DIFFERENT TREE SPECIES IN THE FOREST; CONTEMPORARY ISSUES RELATED TO ECOLOGY



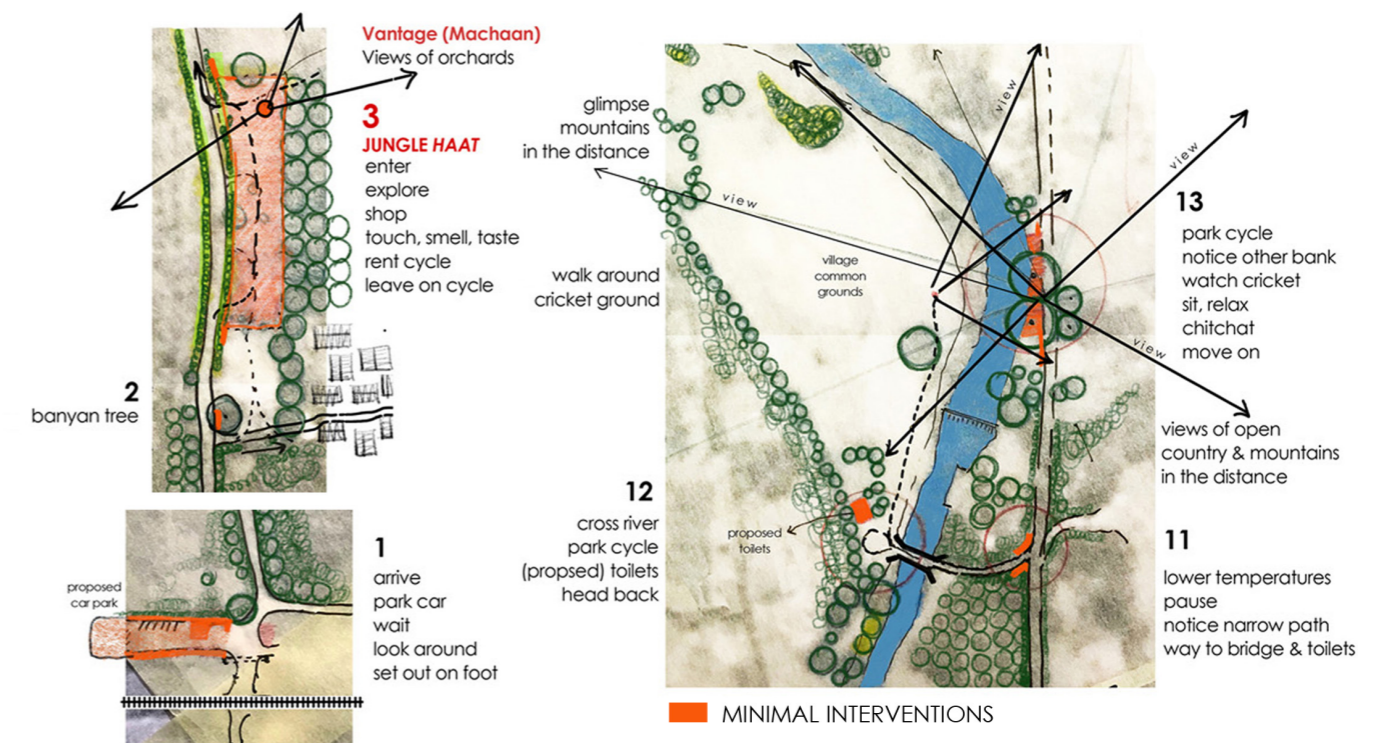
PROPOSED JUNGLE HAAT (LOCAL INFORMAL MARKET)
(NO.3 ON CYCLE TRAIL)

PROPOSED JUNGLE ORIENTATION POINT
(NO. 20 ON CYCLE TRAIL, NEAR FOREST FRINGE)





PAUSE POINTS ON CYCLE TRAIL HIGHLIGHTED BY USING LOCALLY FOUND DEVICES FOR MINIMAL INTERVENTION



MINIMAL DESIGN INTERVENTIONS ALONG PAUSE POINTS ON CYCLE TRAIL CONNECTING SITES FOR JUNGLE HAAT, ORIENTATION POINT & FOR ST...