Revitalization of Dhal ni Pol

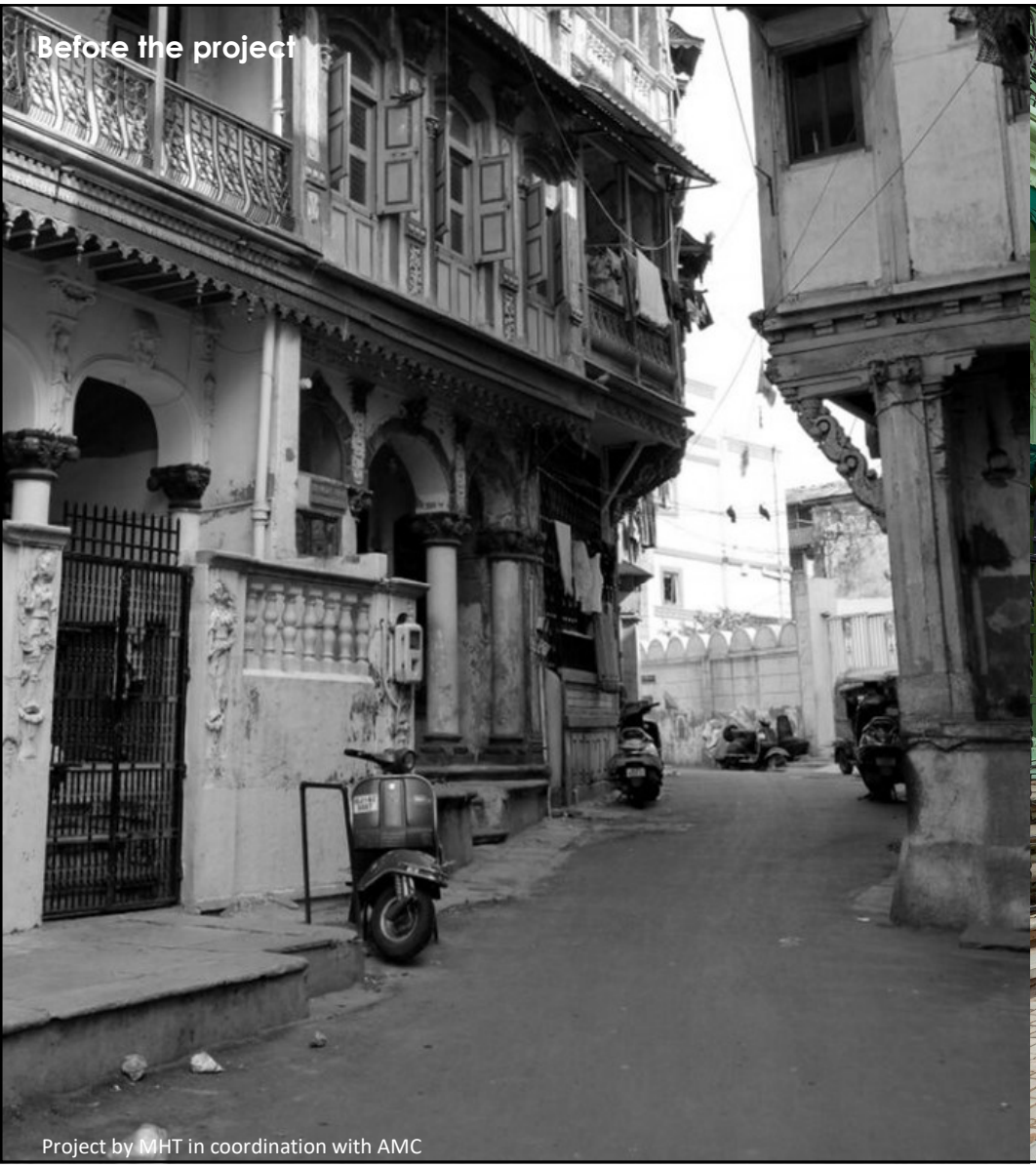
A Pilot Project to improve physical environment and quality of life in heritage precincts through women empowerment and community engagement

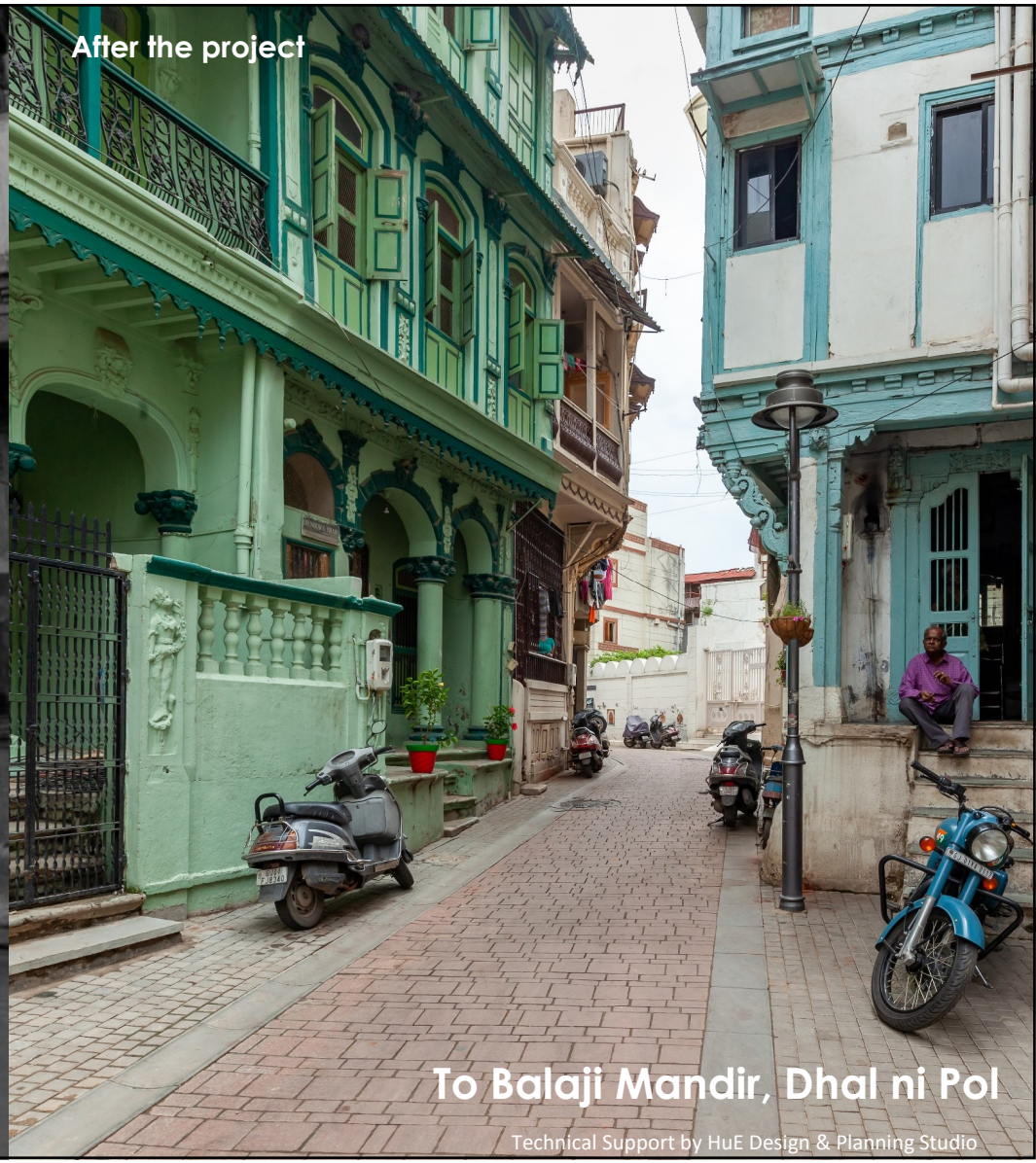
Jignesh Mehta
Planning and Urban Design Advisor to MHT

Project by

In collaboration with

Planning & Design Advisor: Jignesh Mehta


Before the project
Project by MHT in coordination with AMC


After the project
To Balaji Mandir, Dhal ni Pol
Technical Support by HuE Design & Planning Studio

Rasik Chowk, Dhal ni Pol

Project by MHT in coordination with AMC

Technical Support by HuE Design & Planning Studio

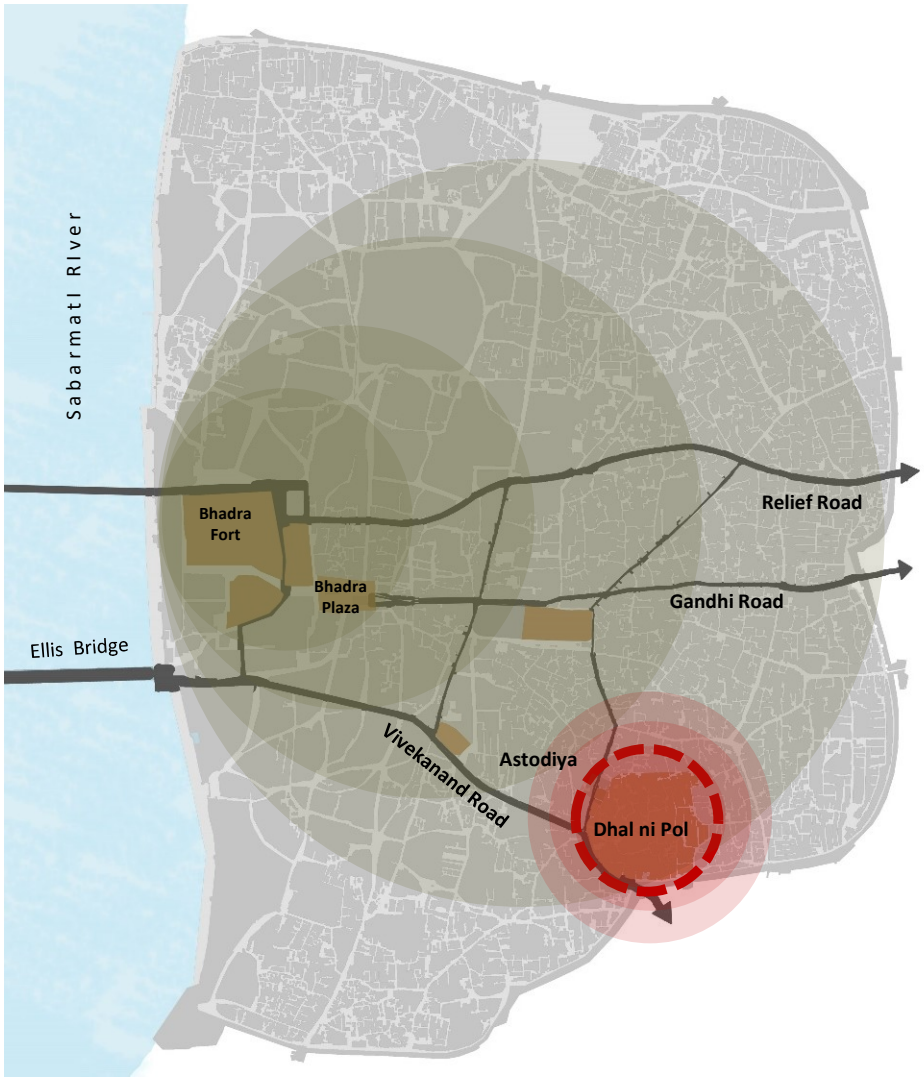
Purpose of the Project

- A **pilot project** for revitalization of the living environment in the **heritage precincts**
- **Women empowerment** and **leadership development** through public participation
- **Community engagement** to generate **awareness** and inculcate **sense of pride**
- Upliftment in quality of life of the **low income segment** of the society
- **Improving the public realm** of the precinct through **conservation** and improved **design**
- Improving underground and above ground infrastructure in the precinct

Contents

- Location & Heritage
- Revitalization of Dhal ni Pol – The Pilot Project
  - **Stage 1: Community Engagement, Surveys & Mapping**
    - Community Engagement Workshops
    - Household surveys
    - TS Survey & Mapping
  - **Stage 2: Planning, Design, Coordination & Funding**
    - Planning & Design
    - Appointment of Consultants
    - Coordination with AMC & Various Stakeholders
    - Securing Funding
  - **Stage 3: Phasing & Execution**
    - Execution
    - Completion
- Way Forward

1. Location & Heritage

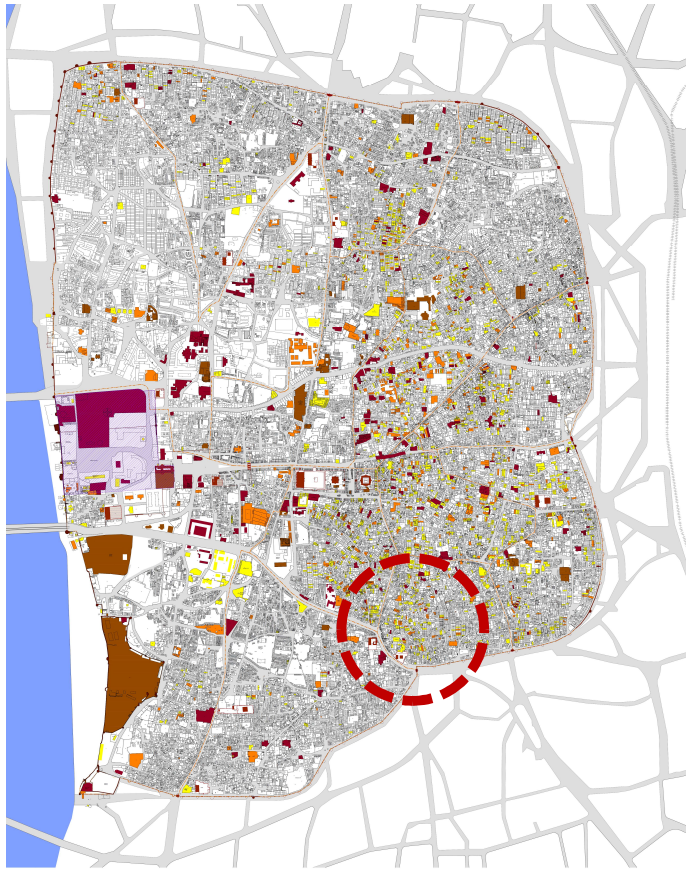


Historic Context - Dhal ni Pol

- *Dhal ni Pol* is located at the genesis point of Ahmedabad, On the slopes (*dhal*) of *'Ashabhil no thekro'*
- Which was the location of the oldest settlement called *"Ashaval"* that existed since 9th century
- About 6 centuries later, in 1411, Ahmedabad was founded at Bhadra Fort.
- As Ahmedabad grew, *Ashaval* became part of the walled city, and the area came to be known as *Asha-todiya* or *Astodiya*
- In 2017 the walled city of Ahmedabad was inscribed in the UNESCO's World Heritage List

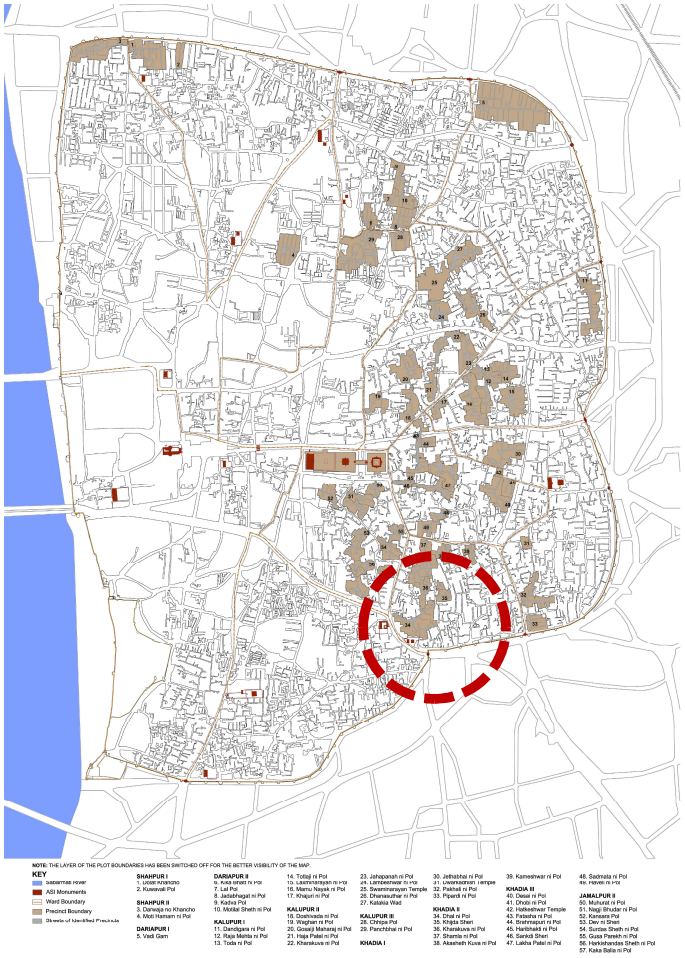
Dhal ni Pol has both - Heritage Structures & Heritage Precinct

Heritage Structures



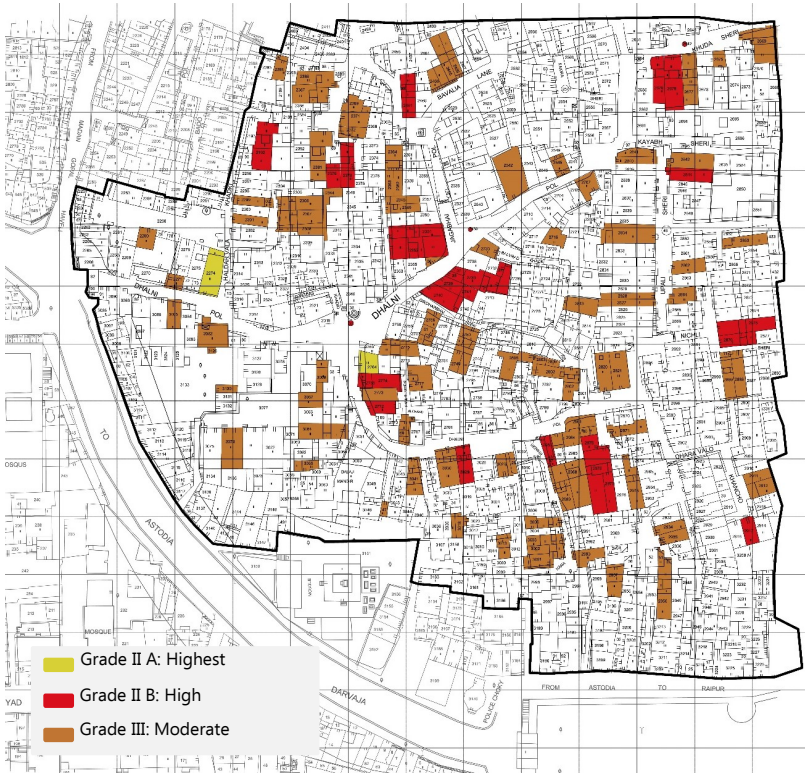
Source: AMC WHC Nomination Dossier

Heritage Precincts

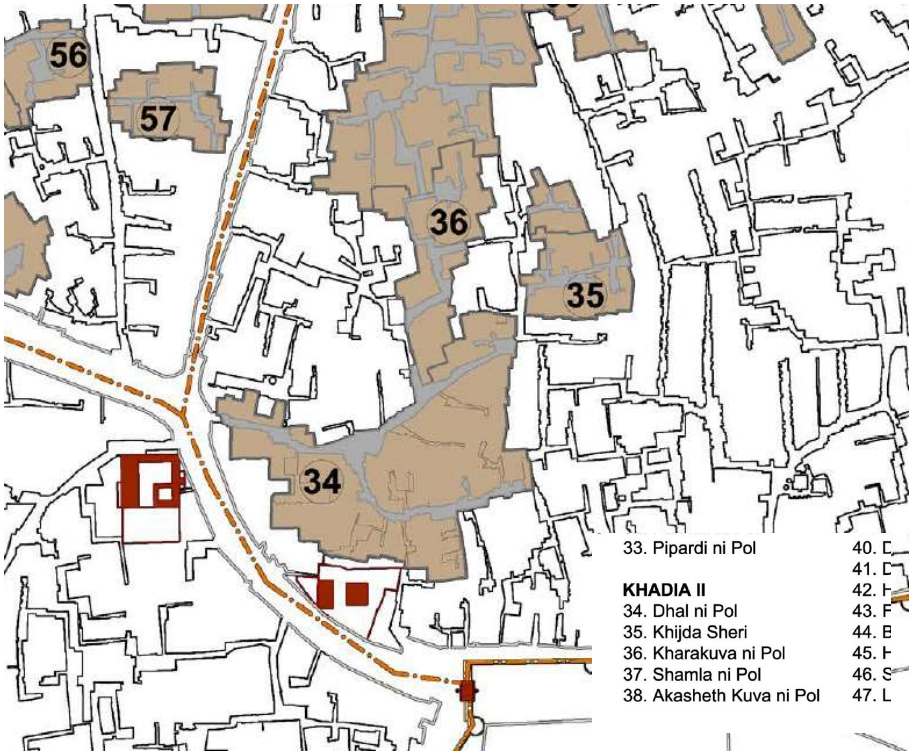


Dhal ni Pol has both - Heritage Structures & Heritage Precinct

Heritage Structures (81 Structures*)



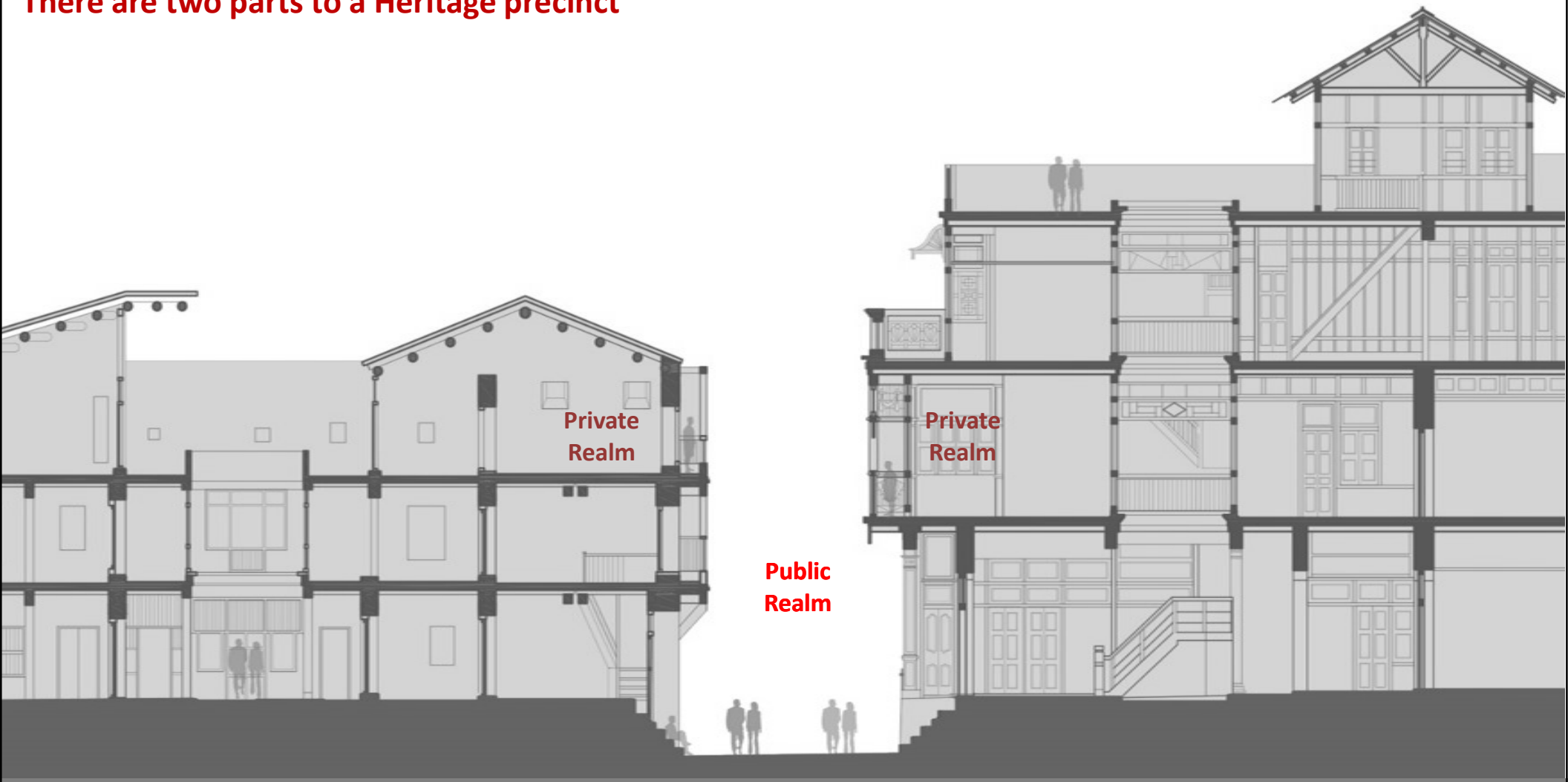
Heritage Precincts (Precinct #34)



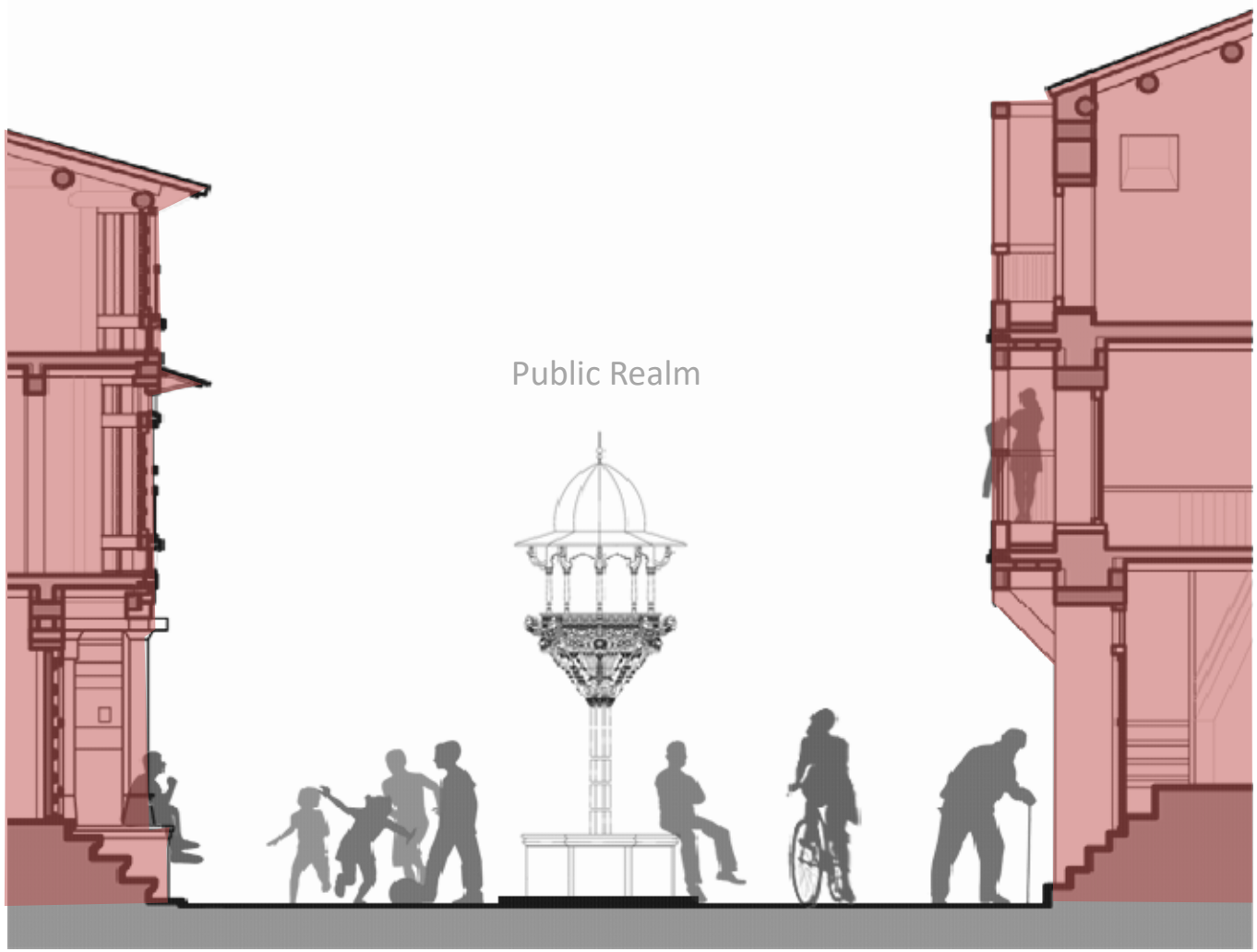
Source: AMC WHC Nomination Dossier

So far we, as a city, have primarily focused on Heritage Structures only.
But, the focus on Heritage Precincts is missing

There are two parts to a Heritage precinct



Private Realm



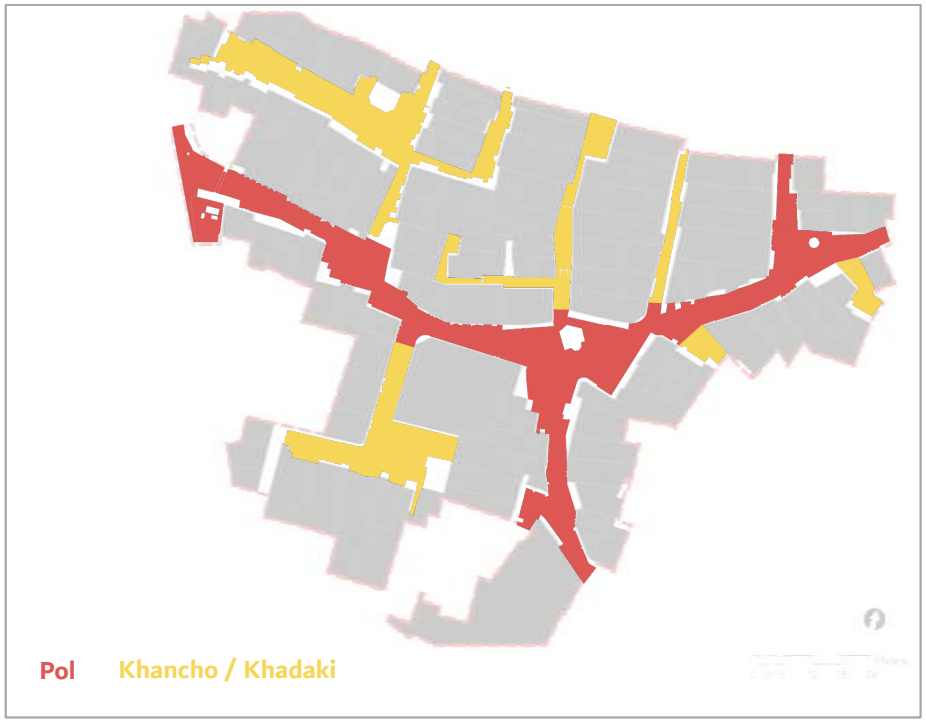
Private Realm

There are broadly two parts to a Heritage precinct

Private Realm

To be improved using INCENTIVES & REGULATIONS

Public Realm



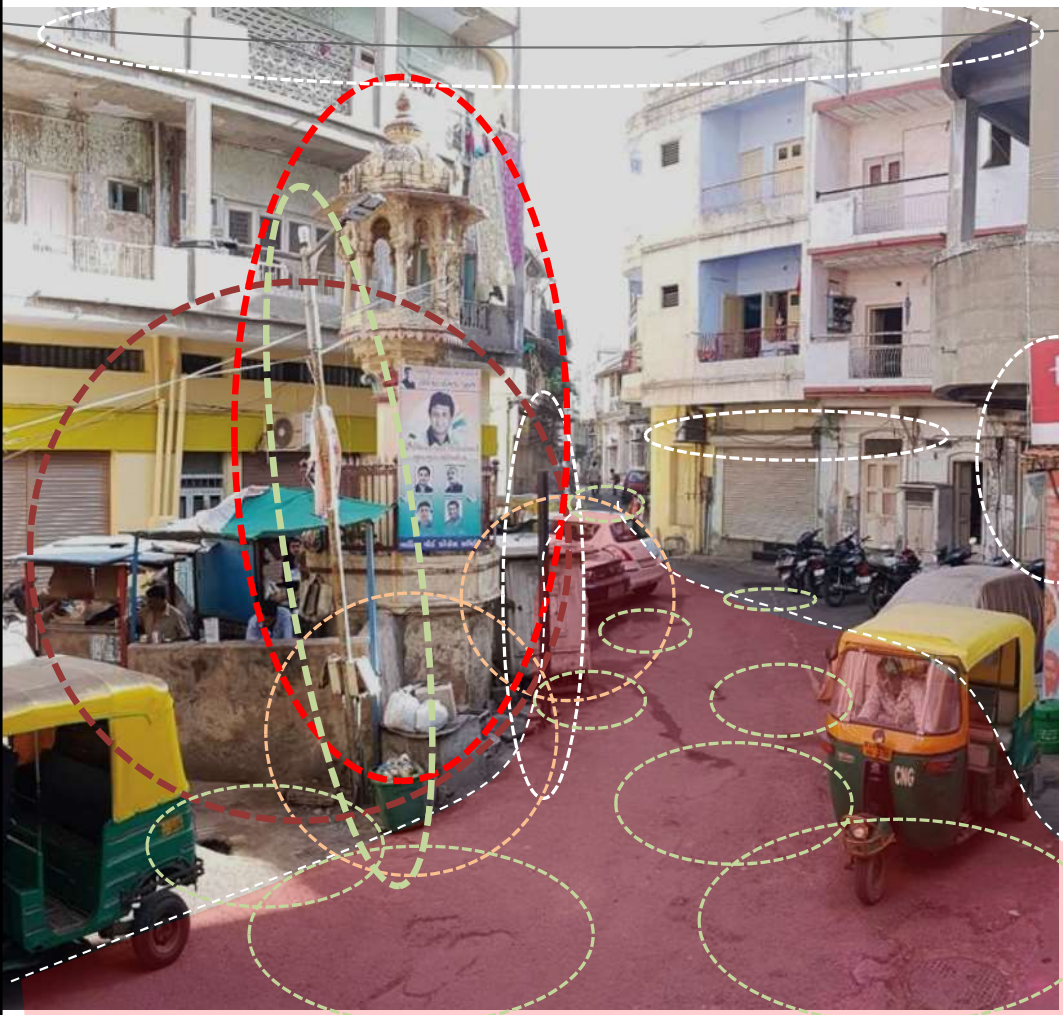
Graphic Source: Arun Kumar

To be improved PUBLIC AREA IMPROVEMENT PROJECTS

2. IMPROVING THE PUBLIC REALM IN DHAL NI POL

Project by MHT in coordination with AMC

Technical Support by HuE Design & Planning Studio



Need for Improvements

- Streets cluttered with multiple elements
- Chowks cluttered with unorganized activities
- Heritage elements covered with banners, canopies and badly painted over
- Uneven street surface, leading to lack of cleanliness
- Unorganized parking
- No clarity on Movement area vs Non-movement area
- Poles, SFPs etc installed in unorganized manner over time, encroaching in the movement area
- Inconsistent lighting, with dark patches and corners at night
- Fixtures inconsistent with the heritage character of the pol
- Banners, ropes and cables (GTPL, BSNL etc) creating visual chaos
- Old Underground Infrastructure – water, sewage
- Fire Safety & Access issues due to Narrow Streets
- No stormwater system, rain water run-off on surface – eroding asphalt in monsoons
- Resurfacing over time brought the street levels high
- Lack of Sense of Pride among the resident due to the lack-lustre environment & neglect. Diminishing property values.
- People moving to other areas.

Need for Improvements

- Streets cluttered with multiple elements
- Chowks cluttered with unorganized activities
- Heritage elements covered with banners, canopies and badly painted over
- Uneven street surface, leading to lack of cleanliness
- Unorganized parking
- No clarity on Movement area vs Non-movement area
- Poles, SFPs etc installed in unorganized manner over time, encroaching in the movement area
- Inconsistent lighting, with dark patches and corners at night
- Fixtures inconsistent with the heritage character of the pol
- Banners, ropes and cables (GTPL, BSNL etc) creating visual chaos
- Old Underground Infrastructure – water, sewage
- Fire Safety & Access issues due to Narrow Streets
- No stormwater system, rain water run-off on surface – eroding asphalt in monsoons
- Resurfacing over time brought the street levels high
- Lack of Sense of Pride among the resident due to the lack-lustre environment & neglect. Diminishing property values.
- People moving to other areas.

- **Streets cluttered with multiple elements**
- Chowks cluttered with unorganized activities
- Heritage elements covered with banners, canopies and badly painted over
- Uneven street surface, leading to lack of cleanliness
- Unorganized parking
- No clarity on Movement area vs Non-movement area
- Poles, SFPs etc installed in unorganized manner over time, encroaching in the movement area
- Inconsistent lighting, with dark patches and corners at night
- Fixtures inconsistent with the heritage character of the pol
- Banners, ropes and cables (GTPL, BSNL etc) creating visual chaos
- Old Underground Infrastructure – water, sewage
- Fire Safety & Access issues due to Narrow Streets
- No stormwater system, rain water run-off on surface – eroding asphalt in monsoons
- Resurfacing over time brought the street levels high
- Lack of Sense of Pride among the resident due to the lack-lustre environment & neglect. Diminishing property values.
- People moving to other areas.

- Streets cluttered with multiple elements
- **Chowks cluttered with unorganized activities**
- Heritage elements covered with banners, canopies and badly painted over
- Uneven street surface, leading to lack of cleanliness
- Unorganized parking
- No clarity on Movement area vs Non-movement area
- Poles, SFPs etc installed in unorganized manner over time, encroaching in the movement area
- Inconsistent lighting, with dark patches and corners at night
- Fixtures inconsistent with the heritage character of the pol
- Banners, ropes and cables (GTPL, BSNL etc) creating visual chaos
- Old Underground Infrastructure – water, sewage
- Fire Safety & Access issues due to Narrow Streets
- No stormwater system, rain water run-off on surface – eroding asphalt in monsoons
- Resurfacing over time brought the street levels high
- Lack of Sense of Pride among the resident due to the lack-lustre environment & neglect. Diminishing property values.
- People moving to other areas.

- Streets cluttered with multiple elements
- Chowks cluttered with unorganized activities
- **Heritage elements covered with banners, canopies and badly painted over**
- Uneven street surface, leading to lack of cleanliness
- Unorganized parking
- No clarity on Movement area vs Non-movement area
- Poles, SFPs etc installed in unorganized manner over time, encroaching in the movement area
- Inconsistent lighting, with dark patches and corners at night
- Fixtures inconsistent with the heritage character of the pol
- Banners, ropes and cables (GTPL, BSNL etc) creating visual chaos
- Old Underground Infrastructure – water, sewage
- Fire Safety & Access issues due to Narrow Streets
- No stormwater system, rain water run-off on surface – eroding asphalt in monsoons
- Resurfacing over time brought the street levels high
- Lack of Sense of Pride among the resident due to the lack-lustre environment & neglect. Diminishing property values.
- People moving to other areas.

- Streets cluttered with multiple elements
- Chowks cluttered with unorganized activities
- Heritage elements covered with banners, canopies and badly painted over
- **Uneven street surface, leading to lack of cleanliness**
- Unorganized parking
- No clarity on Movement area vs Non-movement area
- Poles, SFPs etc installed in unorganized manner over time, encroaching in the movement area
- Inconsistent lighting, with dark patches and corners at night
- Fixtures inconsistent with the heritage character of the pol
- Banners, ropes and cables (GTPL, BSNL etc) creating visual chaos
- Old Underground Infrastructure – water, sewage
- Fire Safety & Access issues due to Narrow Streets
- No stormwater system, rain water run-off on surface – eroding asphalt in monsoons
- Resurfacing over time brought the street levels high
- Lack of Sense of Pride among the resident due to the lack-lustre environment & neglect. Diminishing property values.
- People moving to other areas.

- Streets cluttered with multiple elements
- Chowks cluttered with unorganized activities
- Heritage elements covered with banners, canopies and badly painted over
- Uneven street surface, leading to lack of cleanliness
- **Unorganized parking**
- No clarity on Movement area vs Non-movement area
- Poles, SFPs etc installed in unorganized manner over time, encroaching in the movement area
- Inconsistent lighting, with dark patches and corners at night
- Fixtures inconsistent with the heritage character of the pol
- Banners, ropes and cables (GTPL, BSNL etc) creating visual chaos
- Old Underground Infrastructure – water, sewage
- Fire Safety & Access issues due to Narrow Streets
- No stormwater system, rain water run-off on surface – eroding asphalt in monsoons
- Resurfacing over time brought the street levels high
- Lack of Sense of Pride among the resident due to the lack-lustre environment & neglect. Diminishing property values.
- People moving to other areas.

- Streets cluttered with multiple elements
- Chowks cluttered with unorganized activities
- Heritage elements covered with banners, canopies and badly painted over
- Uneven street surface, leading to lack of cleanliness
- Unorganized parking
- **No clarity on Movement area vs Non-movement area**
- Poles, SFPs etc installed in unorganized manner over time, encroaching in the movement area
- Inconsistent lighting, with dark patches and corners at night
- Fixtures inconsistent with the heritage character of the pol
- Banners, ropes and cables (GTPL, BSNL etc) creating visual chaos
- Old Underground Infrastructure – water, sewage
- Fire Safety & Access issues due to Narrow Streets
- No stormwater system, rain water run-off on surface – eroding asphalt in monsoons
- Resurfacing over time brought the street levels high
- Lack of Sense of Pride among the resident due to the lack-lustre environment & neglect. Diminishing property values.
- People moving to other areas.

- Streets cluttered with multiple elements
- Chowks cluttered with unorganized activities
- Heritage elements covered with banners, canopies and badly painted over
- Uneven street surface, leading to lack of cleanliness
- Unorganized parking
- No clarity on Movement area vs Non-movement area
- **Poles, SFPs etc installed in unorganized manner over time, encroaching in the movement area**
- Inconsistent lighting, with dark patches and corners at night
- Fixtures inconsistent with the heritage character of the pol
- Banners, ropes and cables (GTPL, BSNL etc) creating visual chaos
- Old Underground Infrastructure – water, sewage
- Fire Safety & Access issues due to Narrow Streets
- No stormwater system, rain water run-off on surface – eroding asphalt in monsoons
- Resurfacing over time brought the street levels high
- Lack of Sense of Pride among the resident due to the lack-lustre environment & neglect. Diminishing property values.
- People moving to other areas.

- Streets cluttered with multiple elements
- Chowks cluttered with unorganized activities
- Heritage elements covered with banners, canopies and badly painted over
- Uneven street surface, leading to lack of cleanliness
- Unorganized parking
- No clarity on Movement area vs Non-movement area
- Poles, SFPs etc installed in unorganized manner over time, encroaching in the movement area
- **Inconsistent lighting, with dark patches and corners at night**
- Fixtures inconsistent with the heritage character of the pol
- Banners, ropes and cables (GTPL, BSNL etc) creating visual chaos
- Old Underground Infrastructure – water, sewage
- Fire Safety & Access issues due to Narrow Streets
- No stormwater system, rain water run-off on surface – eroding asphalt in monsoons
- Resurfacing over time brought the street levels high
- Lack of Sense of Pride among the resident due to the lack-lustre environment & neglect. Diminishing property values.
- People moving to other areas.

- Streets cluttered with multiple elements
- Chowks cluttered with unorganized activities
- Heritage elements covered with banners, canopies and badly painted over
- Uneven street surface, leading to lack of cleanliness
- Unorganized parking
- No clarity on Movement area vs Non-movement area
- Poles, SFPs etc installed in unorganized manner over time, encroaching in the movement area
- Inconsistent lighting, with dark patches and corners at night
- **Fixtures inconsistent with the heritage character of the pol**
- Banners, ropes and cables (GTPL, BSNL etc) creating visual chaos
- Old Underground Infrastructure – water, sewage
- Fire Safety & Access issues due to Narrow Streets
- No stormwater system, rain water run-off on surface – eroding asphalt in monsoons
- Resurfacing over time brought the street levels high
- Lack of Sense of Pride among the resident due to the lack-lustre environment & neglect. Diminishing property values.
- People moving to other areas.

- Streets cluttered with multiple elements
- Chowks cluttered with unorganized activities
- Heritage elements covered with banners, canopies and badly painted over
- Uneven street surface, leading to lack of cleanliness
- Unorganized parking
- No clarity on Movement area vs Non-movement area
- Poles, SFPs etc installed in unorganized manner over time, encroaching in the movement area
- Inconsistent lighting, with dark patches and corners at night
- Fixtures inconsistent with the heritage character of the pol
- **Banners, ropes and cables (GTPL, BSNL etc) creating visual chaos**
- Old Underground Infrastructure – water, sewage
- Fire Safety & Access issues due to Narrow Streets
- No stormwater system, rain water run-off on surface – eroding asphalt in monsoons
- Resurfacing over time brought the street levels high
- Lack of Sense of Pride among the resident due to the lack-lustre environment & neglect. Diminishing property values.
- People moving to other areas.

- Streets cluttered with multiple elements
- Chowks cluttered with unorganized activities
- Heritage elements covered with banners, canopies and badly painted over
- Uneven street surface, leading to lack of cleanliness
- Unorganized parking
- No clarity on Movement area vs Non-movement area
- Poles, SFPs etc installed in unorganized manner over time, encroaching in the movement area
- Inconsistent lighting, with dark patches and corners at night
- Fixtures inconsistent with the heritage character of the pol
- Banners, ropes and cables (GTPL, BSNL etc) creating visual chaos
- **Old Underground Infrastructure – water, sewage**
- **Fire Safety & Access issues due to Narrow Streets**
- **No stormwater system, rain water run-off on surface – eroding asphalt in monsoons**
- **Resurfacing over time brought the street levels high**
- Lack of Sense of Pride among the resident due to the lack-lustre environment & neglect. Diminishing property values.
- People moving to other areas.

- Streets cluttered with multiple elements
- Chowks cluttered with unorganized activities
- Heritage elements covered with banners, canopies and badly painted over
- Uneven street surface, leading to lack of cleanliness
- Unorganized parking
- No clarity on Movement area vs Non-movement area
- Poles, SFPs etc installed in unorganized manner over time, encroaching in the movement area
- Inconsistent lighting, with dark patches and corners at night
- Fixtures inconsistent with the heritage character of the pol
- Banners, ropes and cables (GTPL, BSNL etc) creating visual chaos
- Old Underground Infrastructure – water, sewage
- Fire Safety & Access issues due to Narrow Streets
- No stormwater system, rain water run-off on surface – eroding asphalt in monsoons
- Resurfacing over time brought the street levels high
- **Lack of Sense of Pride among the resident due to the lack-lustre environment & neglect. Diminishing property values.**
- **People moving to other areas.**

Before the project

After the project

Project by MHT in coordination with AMC

Technical Support by HuE Design & Planning Studio

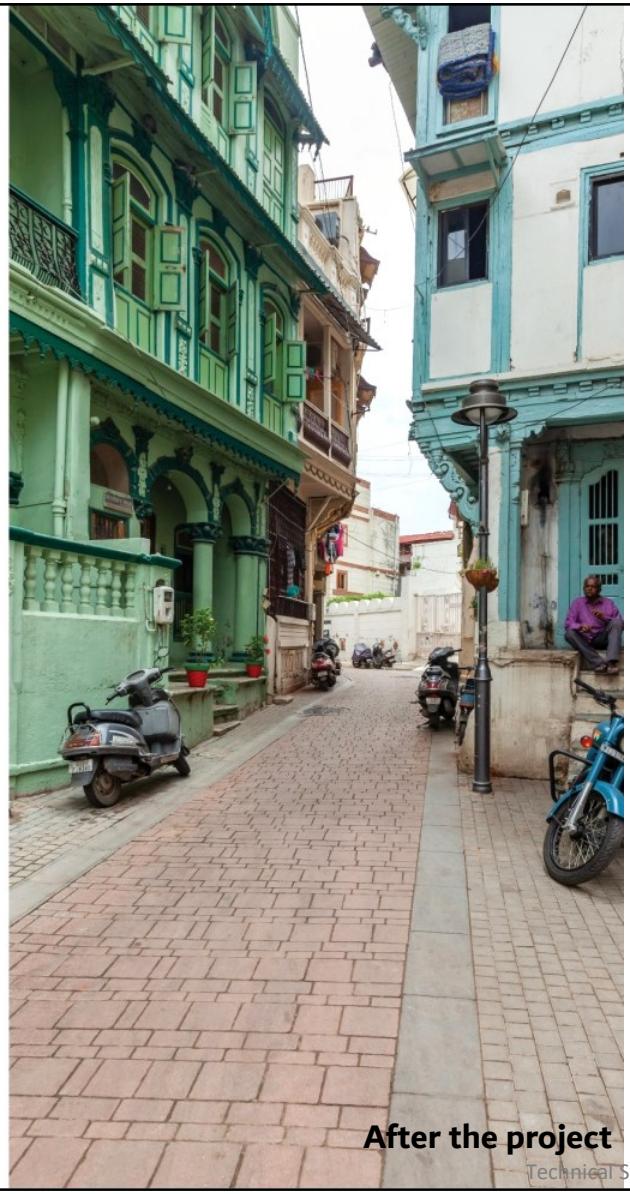
Before the project

After the project

Project by MHT in coordination with AMC

Technical Support by HuE Design & Planning Studio

Before the project



After the project

Project by MHT in coordination with AM

Technical Support by HuE Design & Planning Studio

Before the project

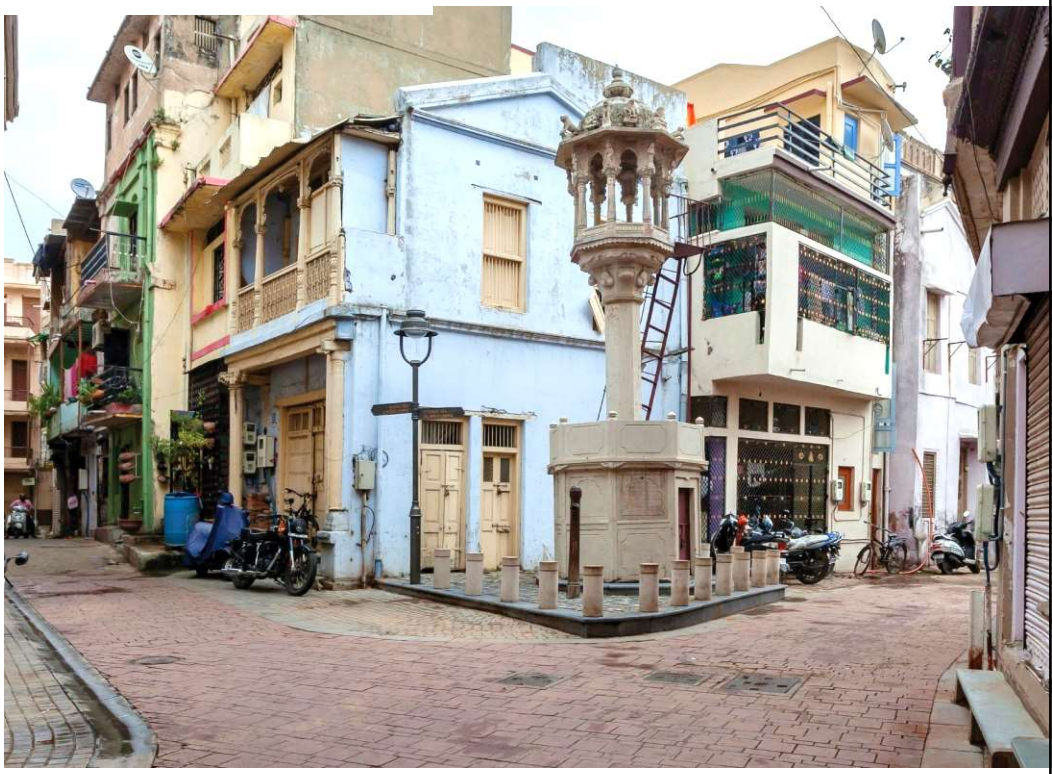
After the project

Project by MHT in coordination with AMC

Technical Support by HuE Design & Planning Studio

Before the project

After the project



Project by MHT in coordination with AMC

Technical Support by HuE Design & Planning Studio

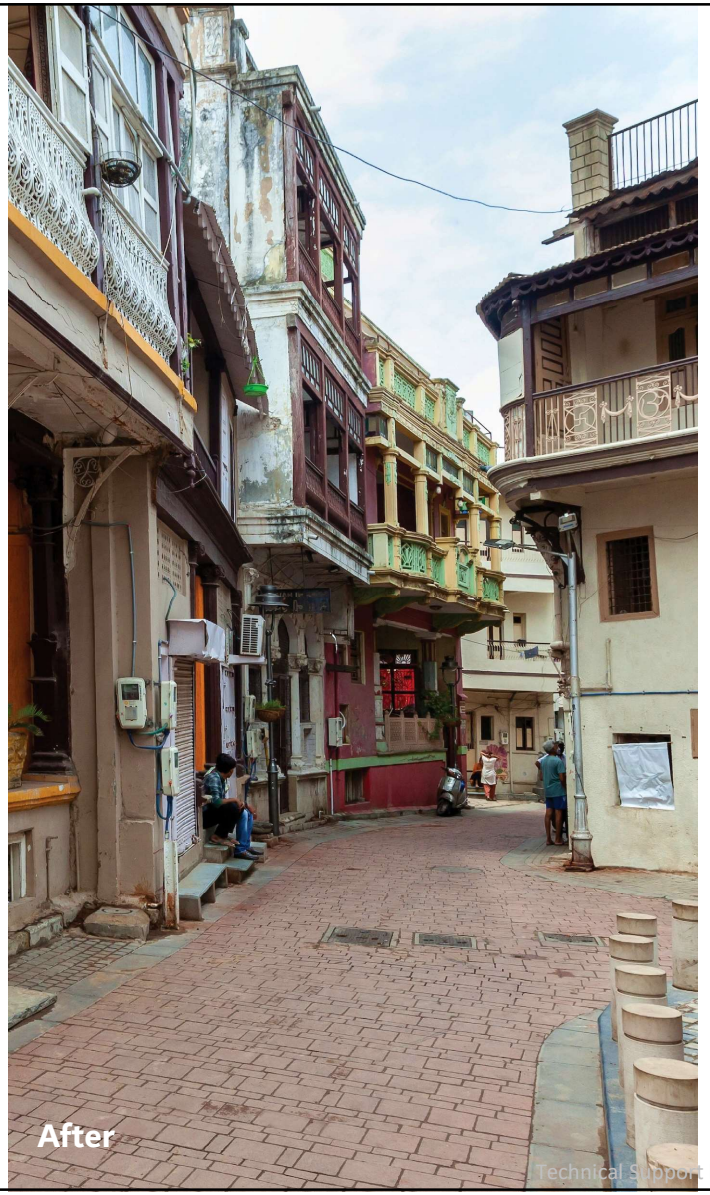
Before the project

After the project

Project by MHT in coordination with AMC

Technical Support by HuE Design & Planning Studio

Before



After

Project by MHT in coordination with AMC

Technical Support by HuE Design & Planning Studio

Before

After

Project by MHT in coordination with AMC

Technical Support by HuE Design & Planning Studio

3. The Project & the Process

Contents

- Location & Heritage
- Revitalization of Dhal ni Pol - The Project
  - Why this project
  - Stage 1: Community Engagement
    - Workshops
    - Resident Surveys
  - Stage 2: Planning, Design & Funding
    - Survey & Mapping
    - Conceptual Design
    - Coordination with AMC & Various Stakeholders
    - Funding
  - Stage 3: Detail Design and Execution
    - Detail Design
    - Execution
- Way Forward

1. Introduction
2. Dhal ni Pol – Importa
3. Community Engagen
   - Workshops
   - Resident Surve
4. Survey & Mapping
5. Selection of Pilot Are
6. Coordination with A
7. Funding
8. Design
9. Execution
   - Work Plan
   - Prep Work
   - Excavation
   - Scrapping a level
   - Reconstruc Paving
   - Street light
   - Signage
   - Dustbins
   - Painting th

The Process

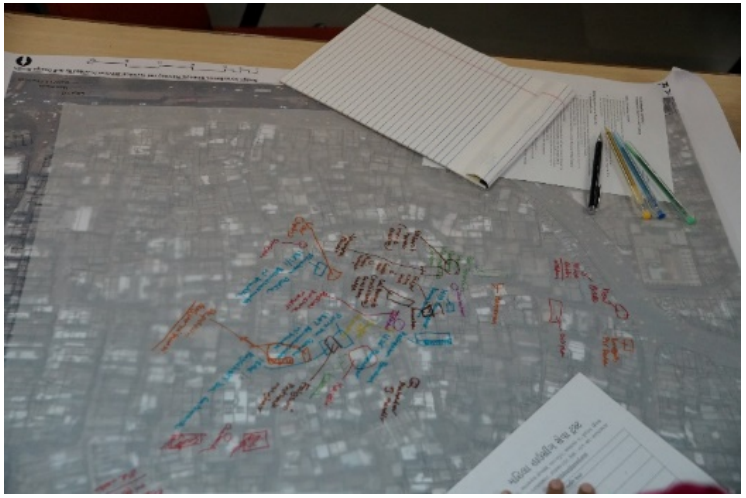
- Stage 1: Community Engagement, Surveys & Mapping
  - Community Engagement Workshops
  - Household surveys
  - TS Survey & Mapping
- Stage 2: Planning, Design, Coordination & Funding
  - Planning & Design
  - Appointment of Consultants
  - Coordination with AMC & Various Stakeholders
  - Securing Funding
- Stage 3: Phasing & Execution
  - Execution
  - Completion

3. COMMUNITY ENGAGEMENT

Initial Workshops with Women Residents of Dhal ni Pol – Assets Mapping & Awareness about Heritage

Purpose

- Issues identification
- Asset Mapping
- Awareness generation
- Develop future vision



Community Workshops - Identifying Issues & Suggesting Solutions

વર્કશોપ માં જોડાવા વિનંતી

"ઢાળની પોળનો વારસો"

આ વર્કશોપ માં ઢાળની પોળના વારસાની જાળવણી અને
તેના જાહેર રસ્તાના પુનરોધ્ધાર પર ચર્ચા કરવામાં આવશે.

તારીખ: ફેબ્રુઆરી ૧૭, ૨૦૧૮, શનિવાર
સમય: સાંજે ૫:૦૦ વાગે
સ્થળ: વસંત હવેલી, ઢાળ ની પોળ, આસ્ટોડિયા

MHT
Mahila Housing SEWA Trust

Community Workshops - Discussing Design & Planning Proposals of Public Area Improvements

Issues we heard from the workshops

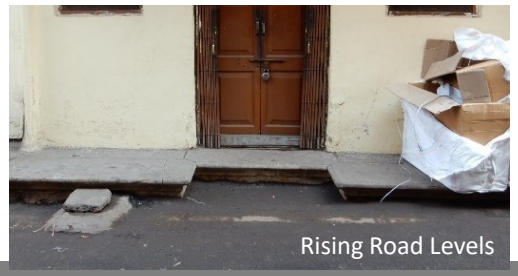
1. Overall image of our pol needs change
2. Clear Vehicular Movement
3. Organize parking
4. Street Surface Condition & Paving Material
5. Old decaying infrastructure
6. Increasing Road Level due to re-surfacing
7. Street Lighting
8. Solid Waste
9. Electrical Boxes
10. Chowkadi and Otlas
11. Hanging Cables, Wires & Canopies
12. Shades and Extensions
13. Organizing hawkers and vending activities
14. Places for people to sit
15. Organize the Entrance Gate Activities
16. Better use of Bal Bhavan

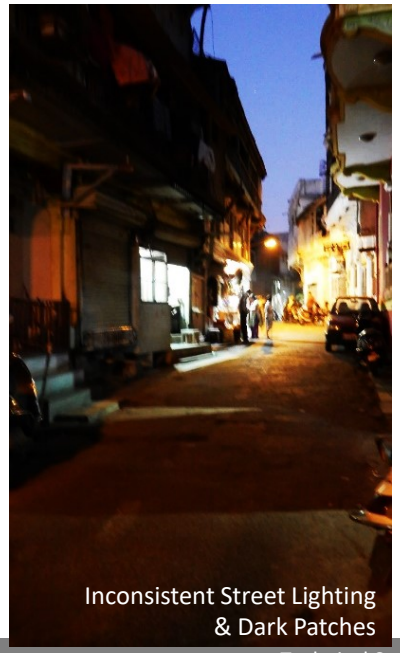
Clutter of Activities & Encroachment

Heritage Structures covered by SFPs, Poles , Banners etc

Hanging Cables

Parking encroaching the streets & plazas


Rising Road Levels


Inconsistent Street Lighting & Dark Patches

Uncharacteristic light fixtures

COMMUNITY ENGAGEMENT

Issues we heard from the workshops

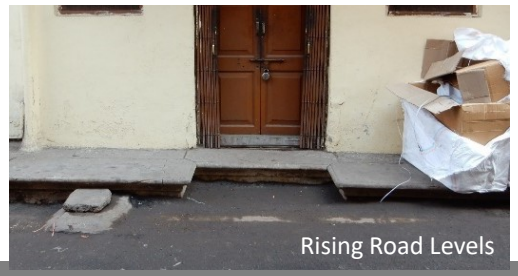
1. Overall image of our pol needs change
2. Clear Vehicular Movement
3. Organize parking
4. Street Surface Condition & Paving Material
5. Old decaying infrastructure
6. Increasing Road Level due to re-surfacing
7. Street Lighting
8. Solid Waste
9. Electrical Boxes
10. Chowkadi and Otlas
11. Hanging Cables, Wires & Canopies
12. Shades and Extensions
13. Organizing hawkers and vending activities
14. Places for people to sit
15. **Organize the Entrance Gate Activities**
16. **Better use of Bal Bhavan**

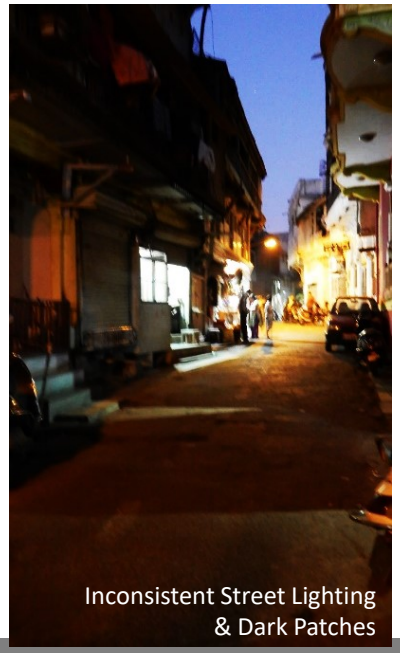
Clutter of Activities & Encroachment

Heritage Structures covered by SFPs, Poles , Banners etc

Hanging Cables

Parking encroaching the streets & plazas


Rising Road Levels


Inconsistent Street Lighting & Dark Patches

Uncharacteristic light fixtures

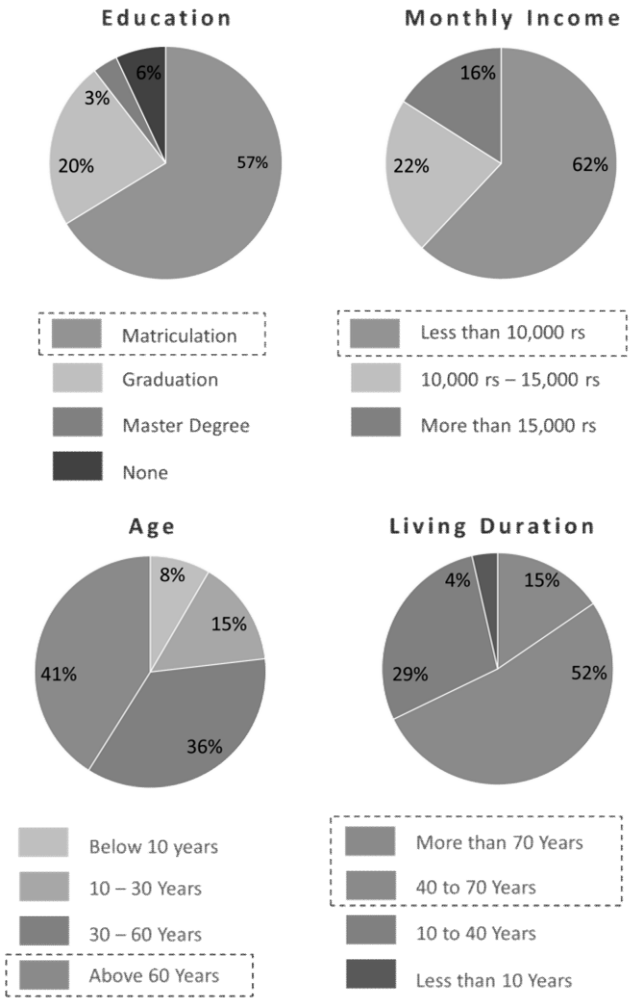
4. DETAILED SURVEYS AND MAPPING

Household Survey

MHT has a long presence in Dhal ni Pol. **The journey began with the pilot survey conducted in 2013-2014** with the objective to understand the **socio – economic** background of the community and also the existing situation and creation of the profile of Dhal ni Pol.

Analysis was as mentioned below.

- Monthly Household Income of the **84% of the interviewed families is less than Rs.15,000/-** (62% less than Rs.10,000/-)
- Only **8% of women are employed** and there is scope for **70% women who are at home to gain from this initiative.**
- Almost **200 females in 25-65 years** age group
- Almost **67% of people** in the Pol are **living since 40 years** in Dhal ni Pol.

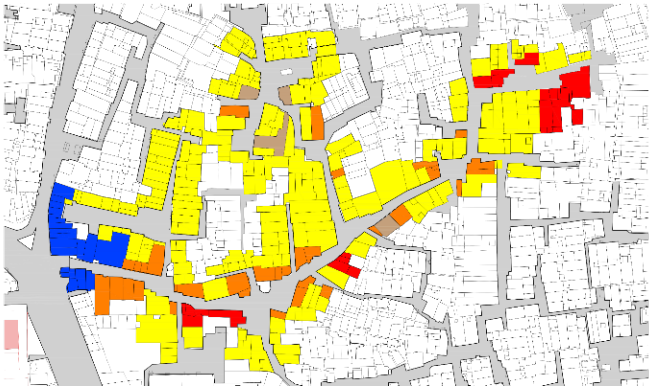


Pie Charts showing results of socio-economic survey carried out by MHT

SURVEYING AND MAPPING

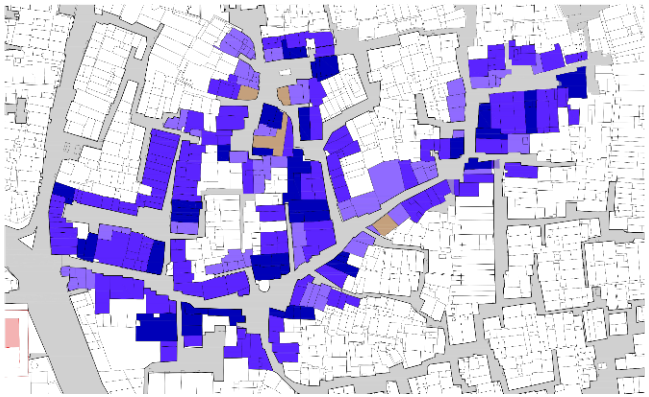
Map showing Built-Form

- Houses
- Street



Map showing Building Use

- Residential
- Commercial
- Mix Use
- Institutional

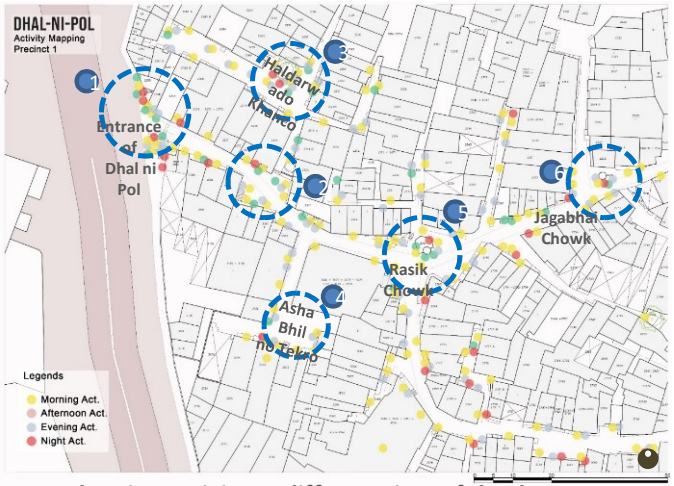


Map showing Building Height

- G + 1
- G + 2
- G + 3
- Vacant Plot

0 5 10 20 50

SURVEYING AND MAPPING



Map showing activity at different time of the day

Morning
Evening
Afternoon
Night

Map showing significant landmarks

Historical
Cultural
Religious

Map showing built edges

Small Scale Retail

Vendors

Street Façade shoing the architectural styles from different period in Dhal ni Pol

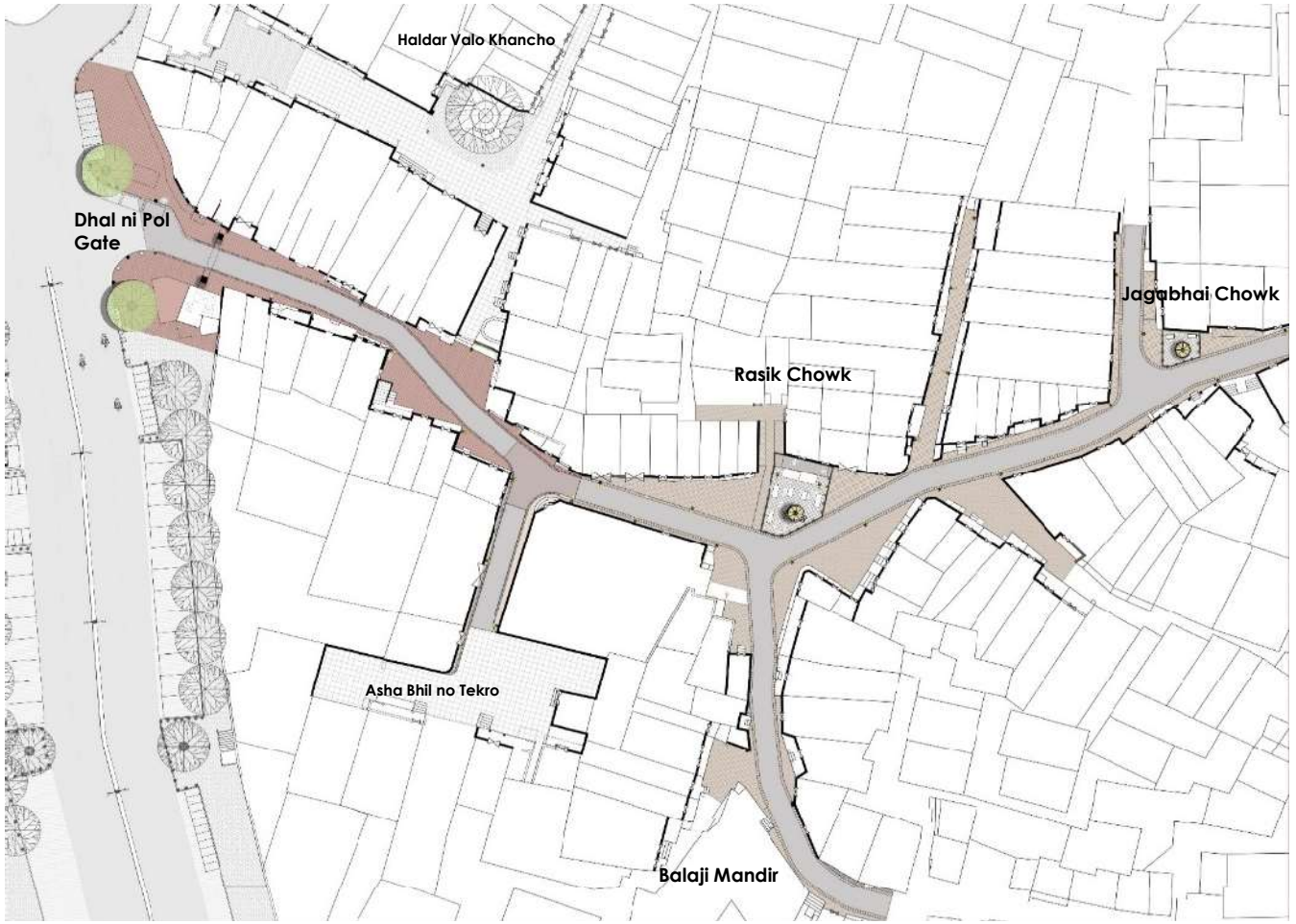
5. DESIGN

Improved Design - Schematic Plan

Pilot Project Stretch – 250 mt

Key Elements included in the Design

- Improving the Street Organization
- Improving Street Lighting
- Installing Fire Fighting System
- Improving Storm Water Drainage
- Removing hanging wires, cables to clear visual clutter
- Improving Signage
- Improving Waste Management
- Parking Management
- Improving Chowk Area



Schematic general Plan of Dhal ni Pol project area

Schematic Proposals – Reorganizing Rasik Chowk area

Existing Chowk area Plan

Proposed Chowk area Plan

Conceptual Sketches- Entrance Area

Existing Entrance Area

Proposed Entrance Area

Conceptual Sketches- Street Improvement

Existing Street View

Proposed Street View

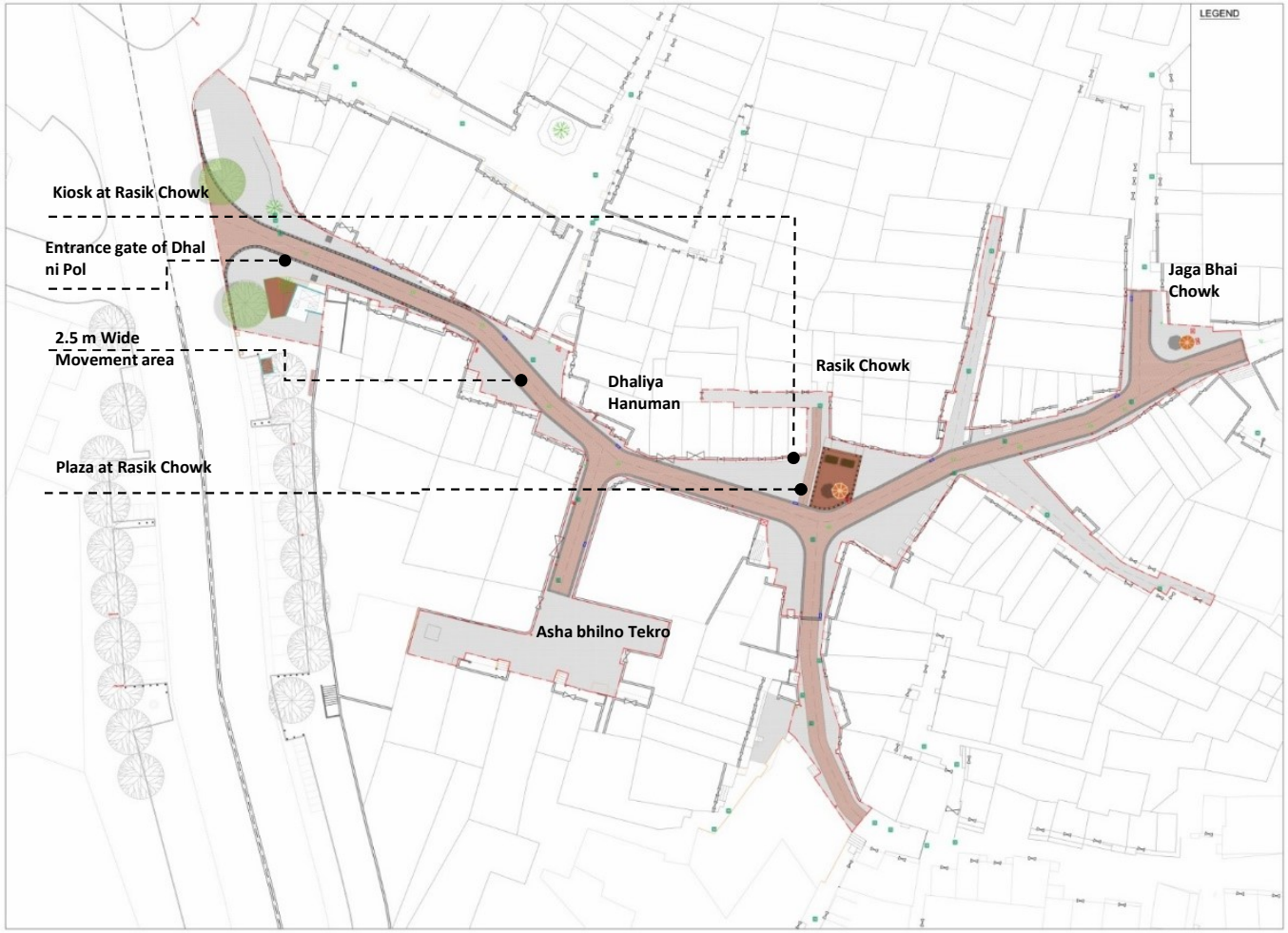
Initial On-site Experiments – Identifying MOVEMENT AREA & NON-MOVEMENT AREA

Initial Experiments - Identifying MOVEMENT AREA & NON-MOVEMENT AREA

Design

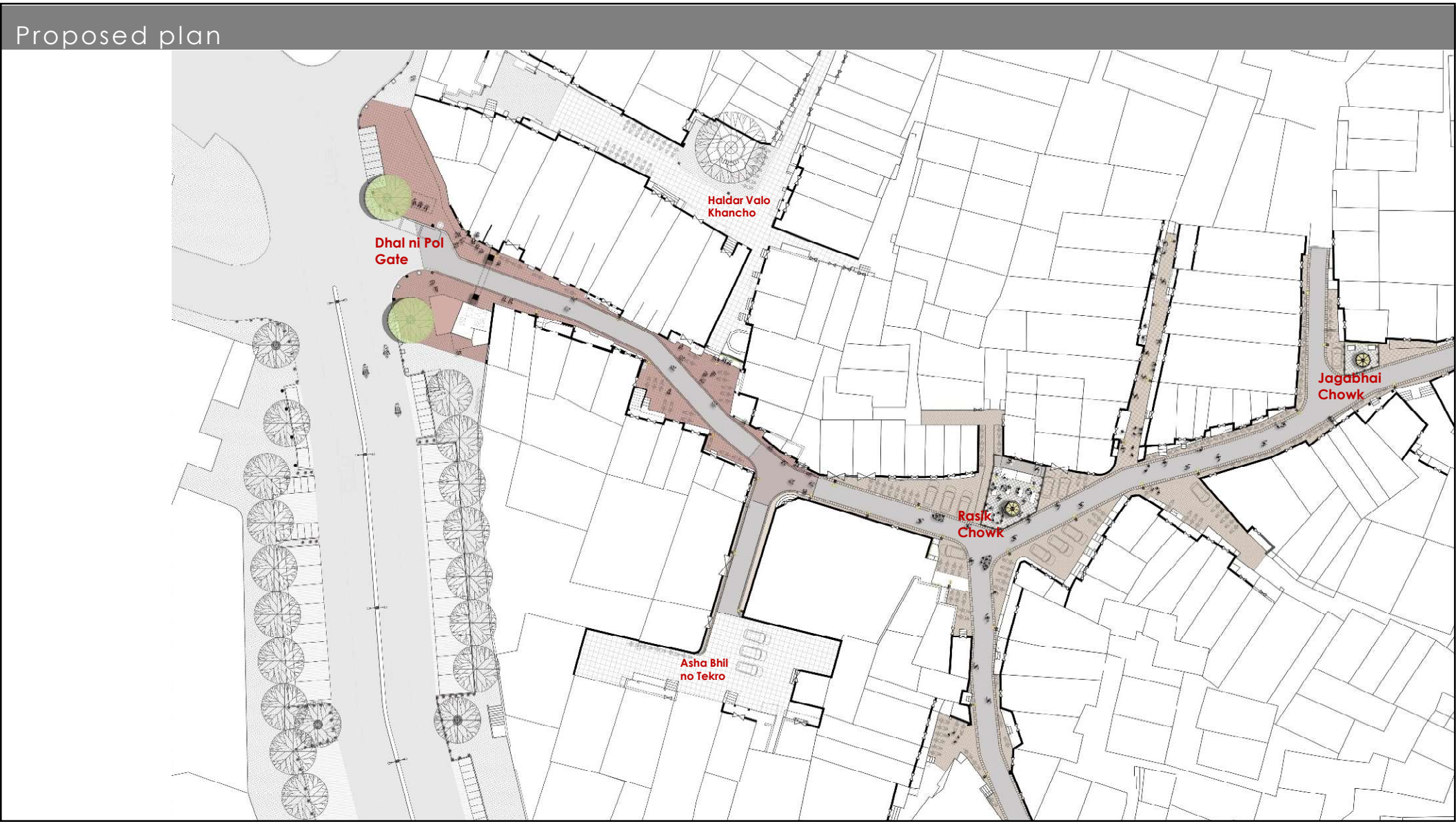
Various components included in the detail design are as below,

- **Improving the Street Design**
- **Improving Street Lighting**
- **Installing Fire Fighting System**
- **Improving Storm Water Drainage**
- **Removing hanging wires, cables to clear visual clutter**
- **Improving Signage**
- **Improving Waste Management**
- **Parking Management**
- **Improving Chowk Area**

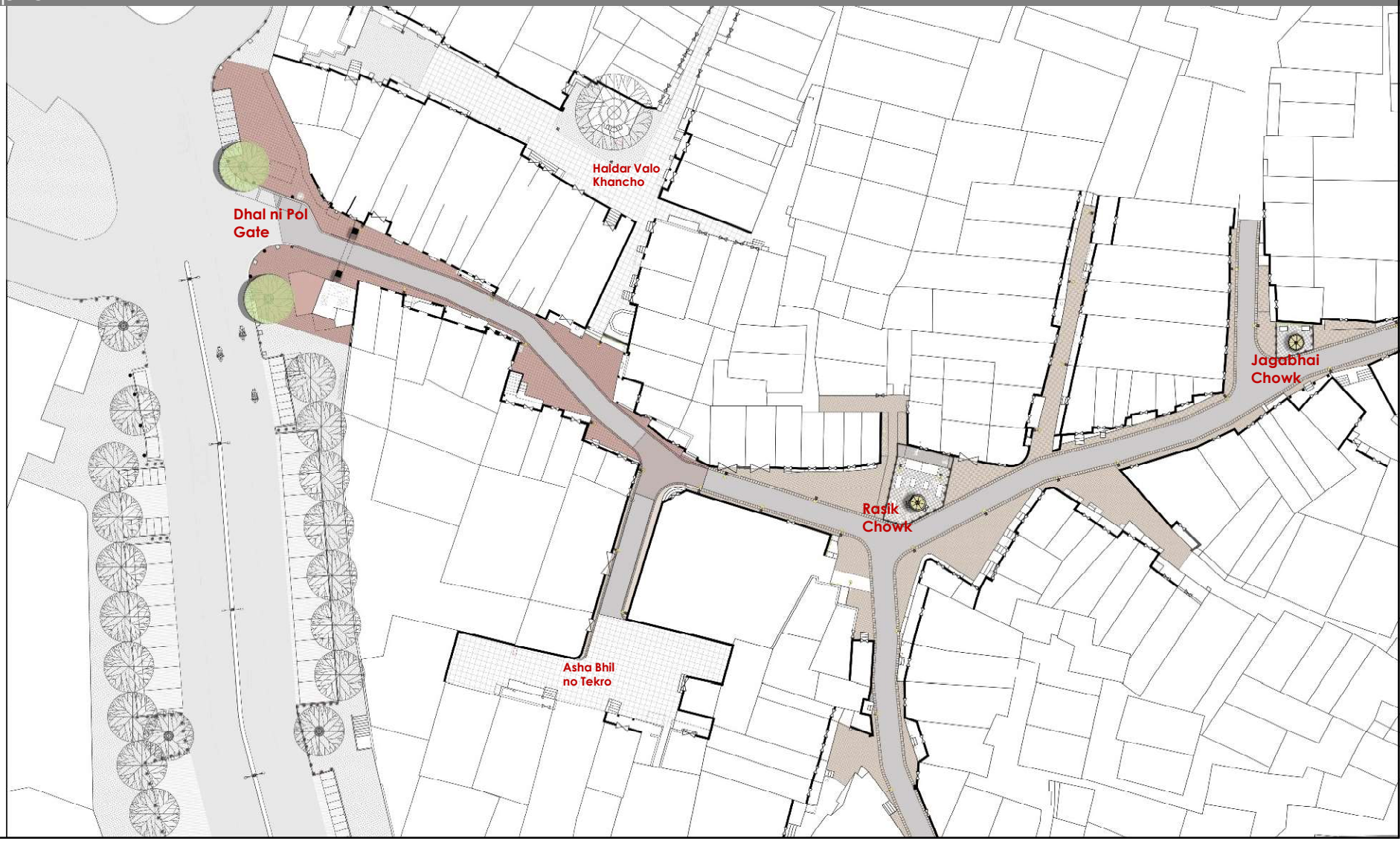


Proposed Pilot area plan of 250 rmt stretch of Dhal ni Pol

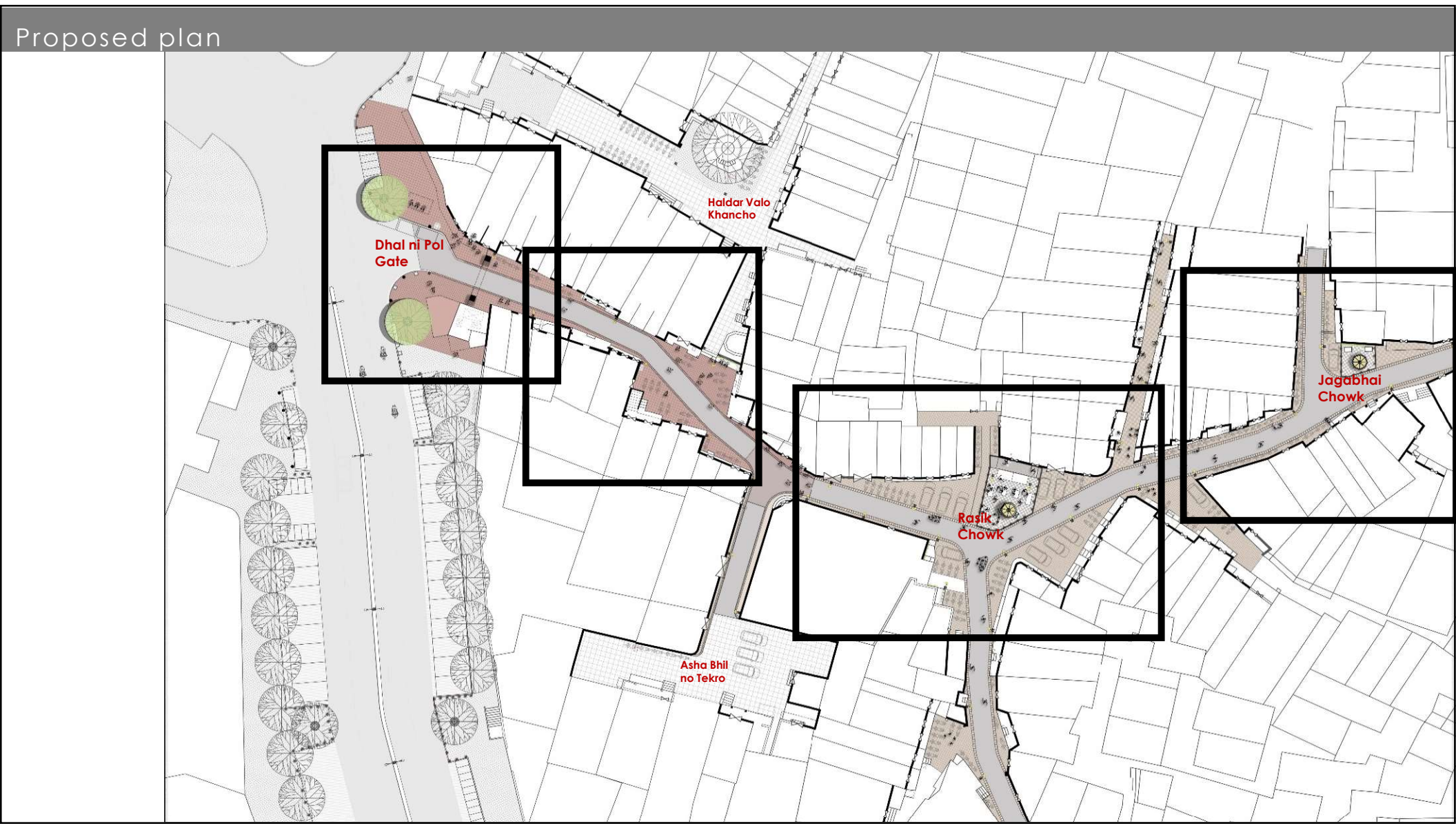
Proposed plan



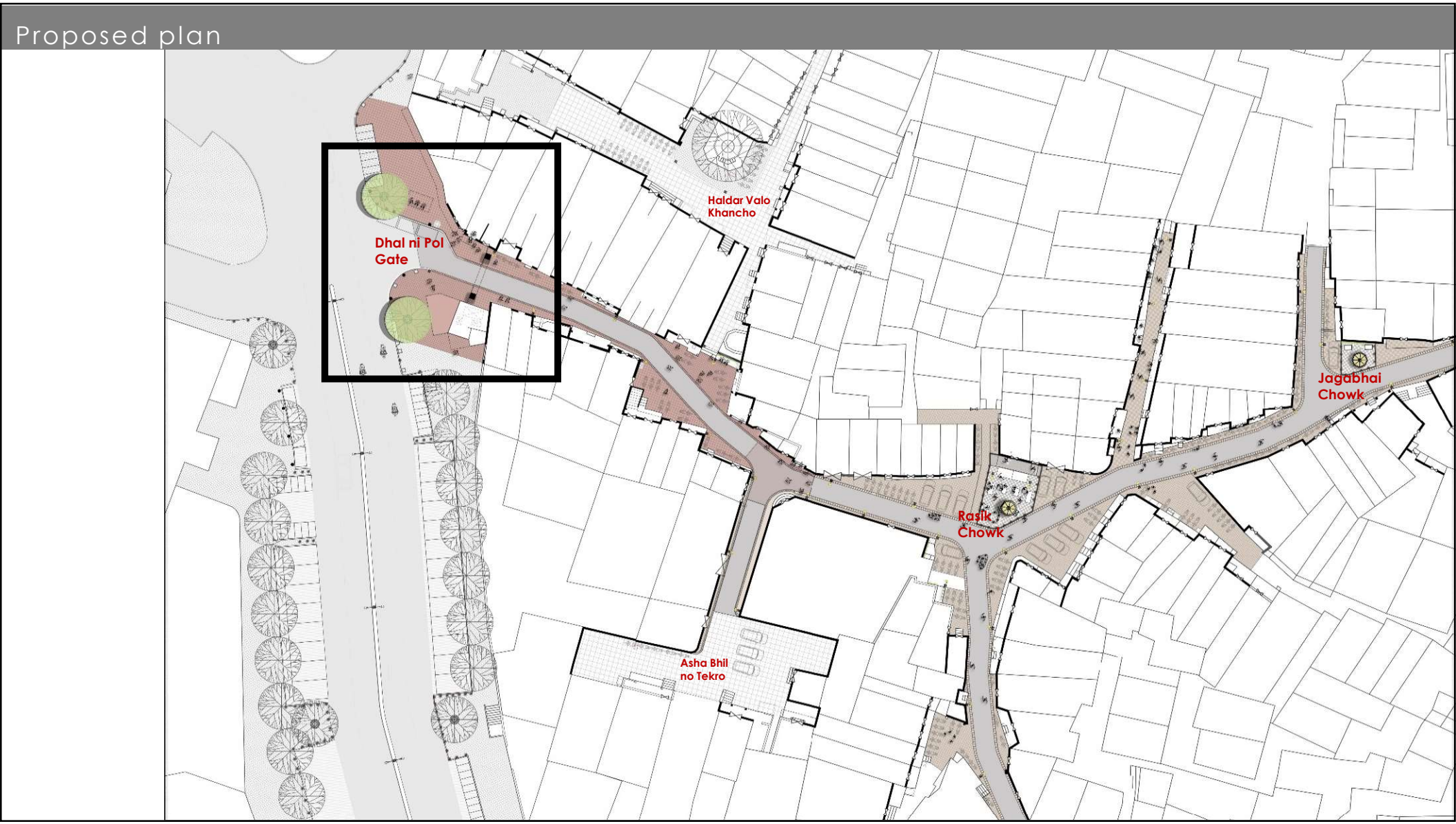
Proposed plan



Proposed plan



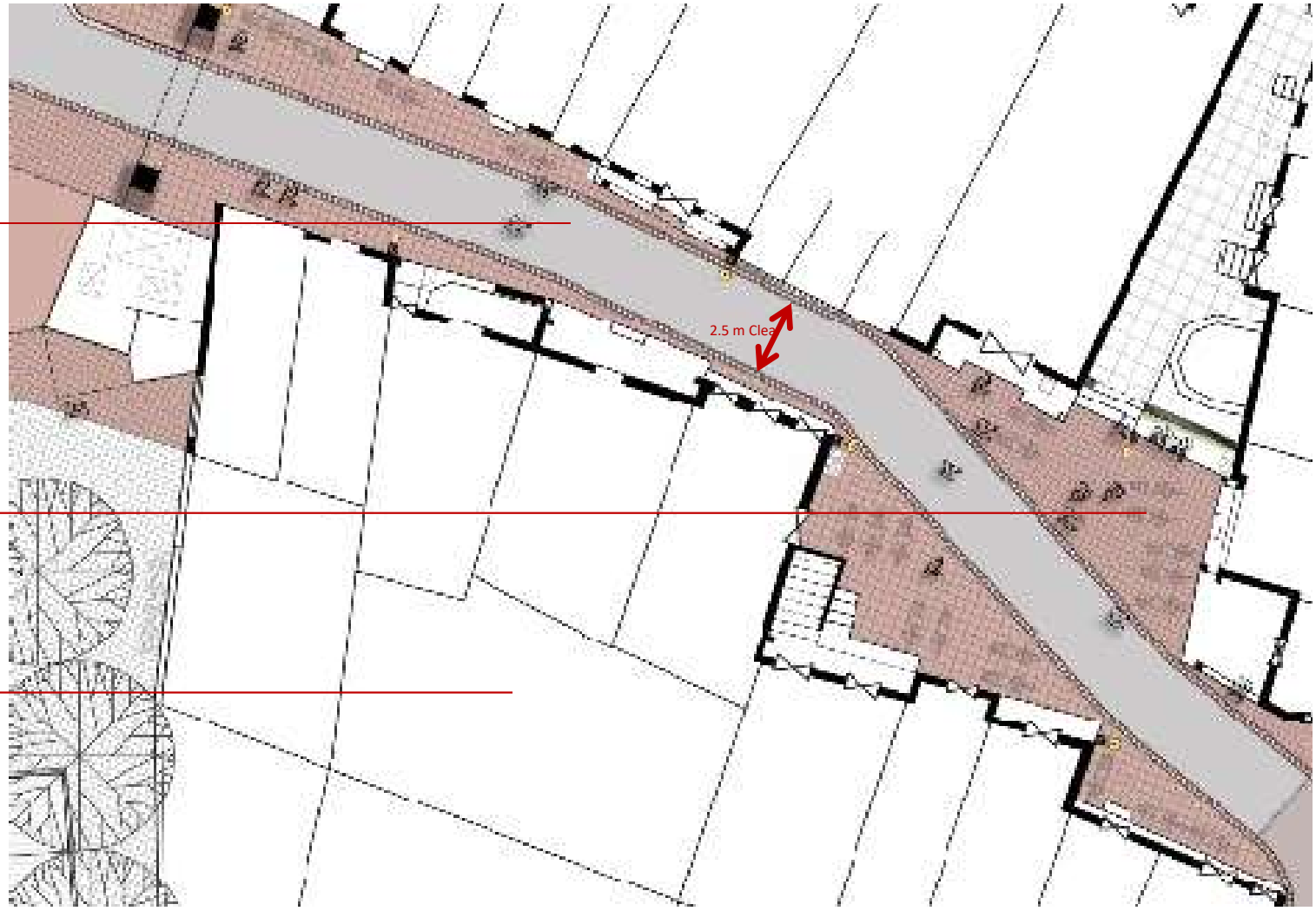
Proposed plan



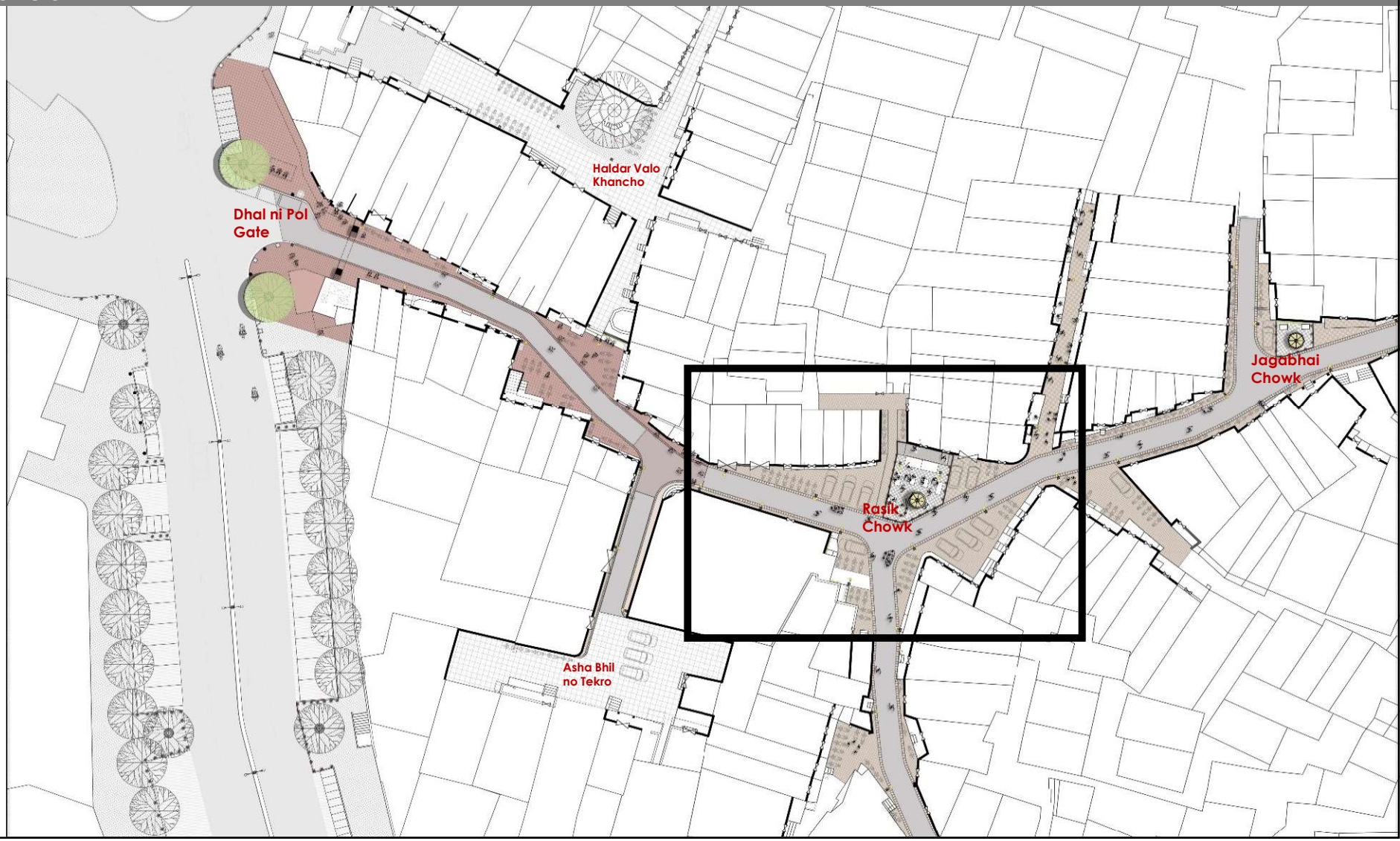
Entrance area

Entrance area

The street


Clear Movement Area
(Hard Stone / Concrete)
Parking & Service Area
(Cobbled Concrete Pavers)
Trees
2.5 m Clea

Entrance area

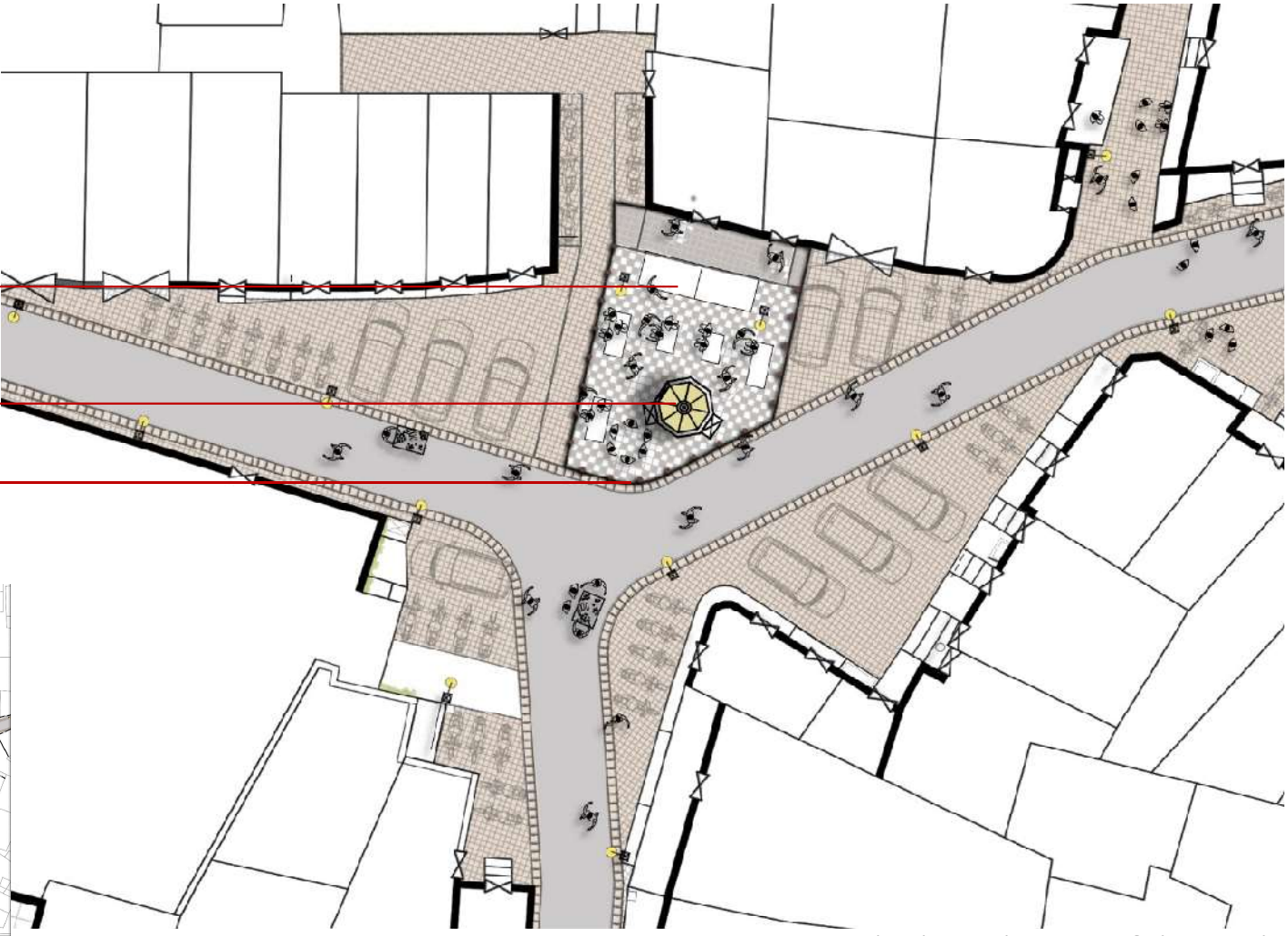


Rasik Chowk

Vendor Kiosks

Chabutara Restoration

Raised Plaza with Bollards



Project by MHT in coordination with AMC

Technical Support by HuE Design & Planning Studio

Rasik Chowk

Chabutara Restoration & Lighting

Remove Wires, Banners & Visual Chaos

Improve & Reorganize Vendor Kiosks

Relocate SFPs, Poles etc

Clear Movement Area & Organize Parking

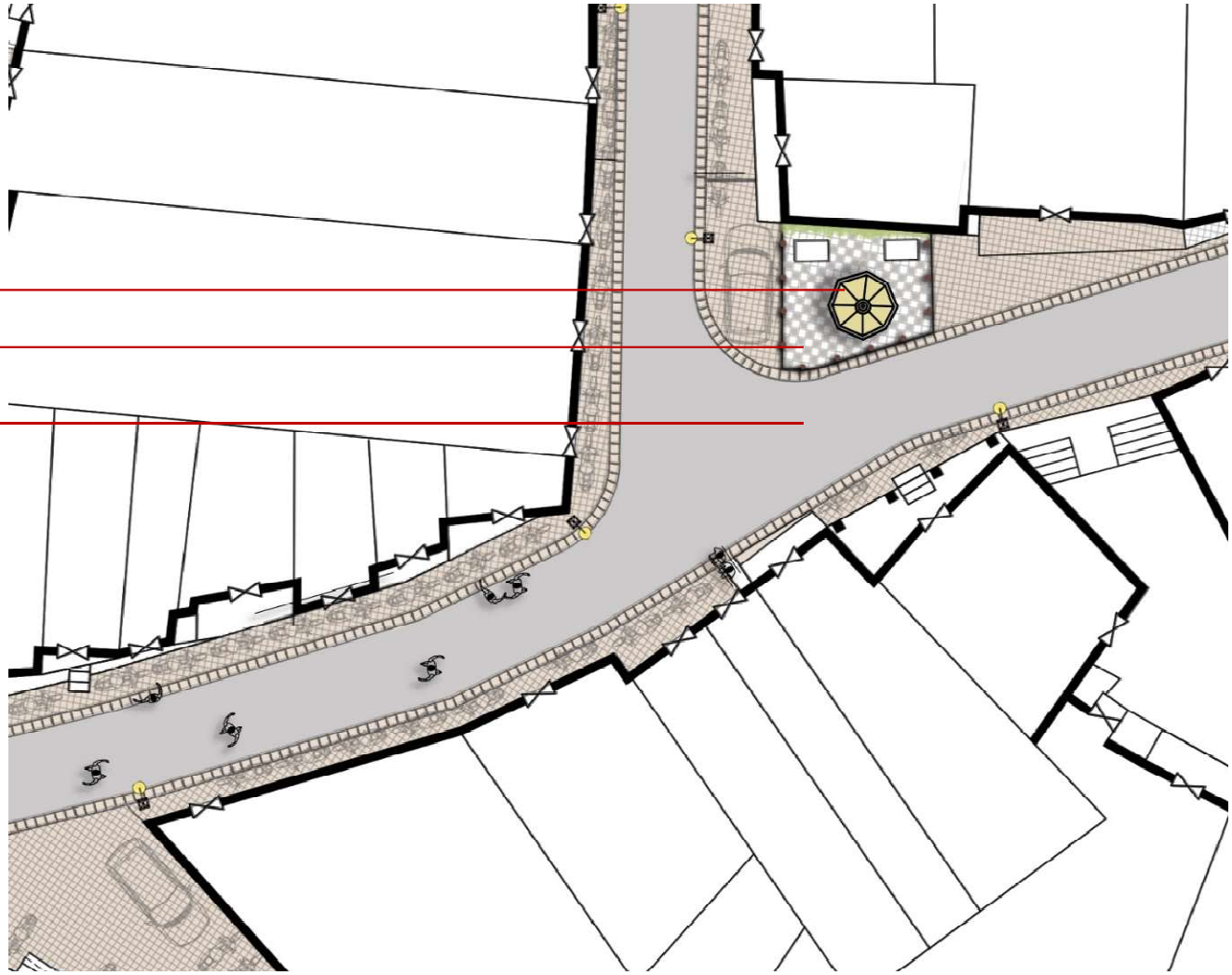
Proposed plan

Jagabhai Chowk

Chabutara Restoration

Raised Plaza with Bollards

Clear Movement Area & Organize Parking



Visualization 1 - Existing

Visualization 1 - Proposed

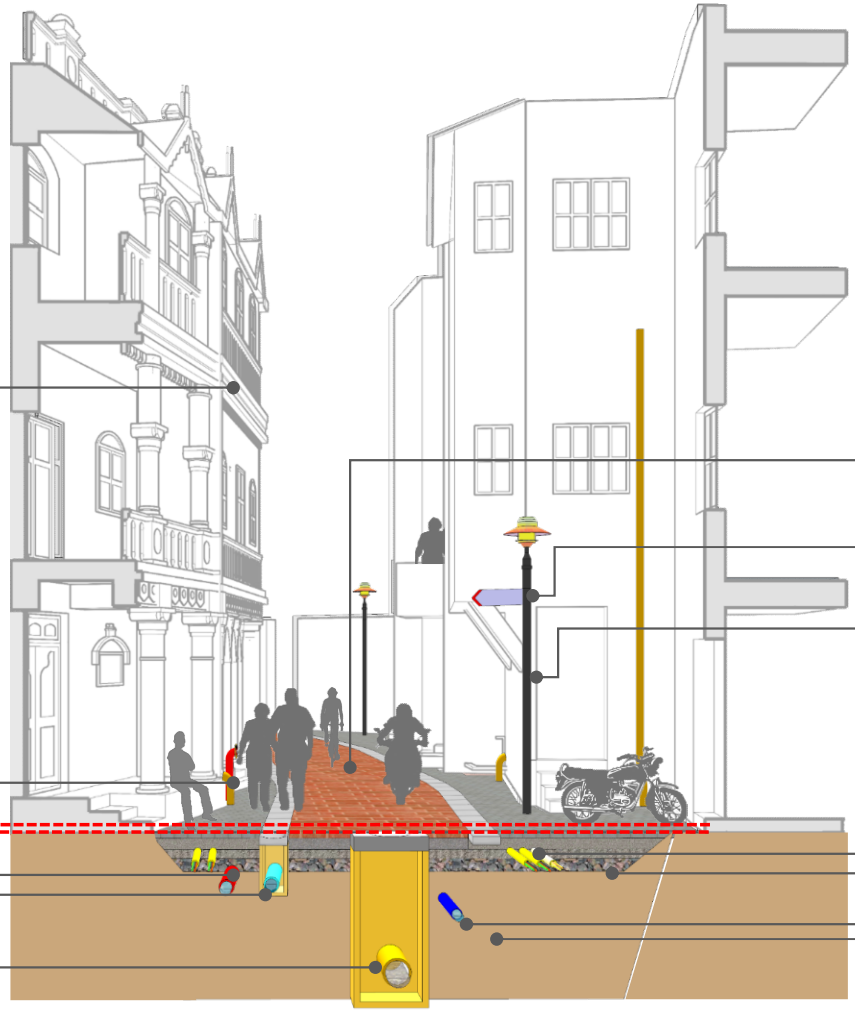
Visualization 2 - Existing

Visualization 2 - Proposed

Visualization 3 - Existing

Visualization 3 - Proposed

Coordinating Street Design with Underground & On-street Infrastructure



Façade Painting Incentive using a chosen palette

Installation of Fire Fighting System

Lowering the Finish Level by 6”- 9”

Storm Water & Ground Water Recharge System

Sewerage network improvement

Installation of Pavers and surface finishes

Directional Signage & Planters

Installing Street Lights Consistent with the precinct character

Electrical & Telecommunication Network Re-laying & Improvements

Backfilling and PCC

Refurbishing water network

Excavation

Project by MHT in coordination with AMC

Technical Support by HuE Design & Planning Studio

Residents Consultation for Selection of Material - Pavers & Street Light Fixture

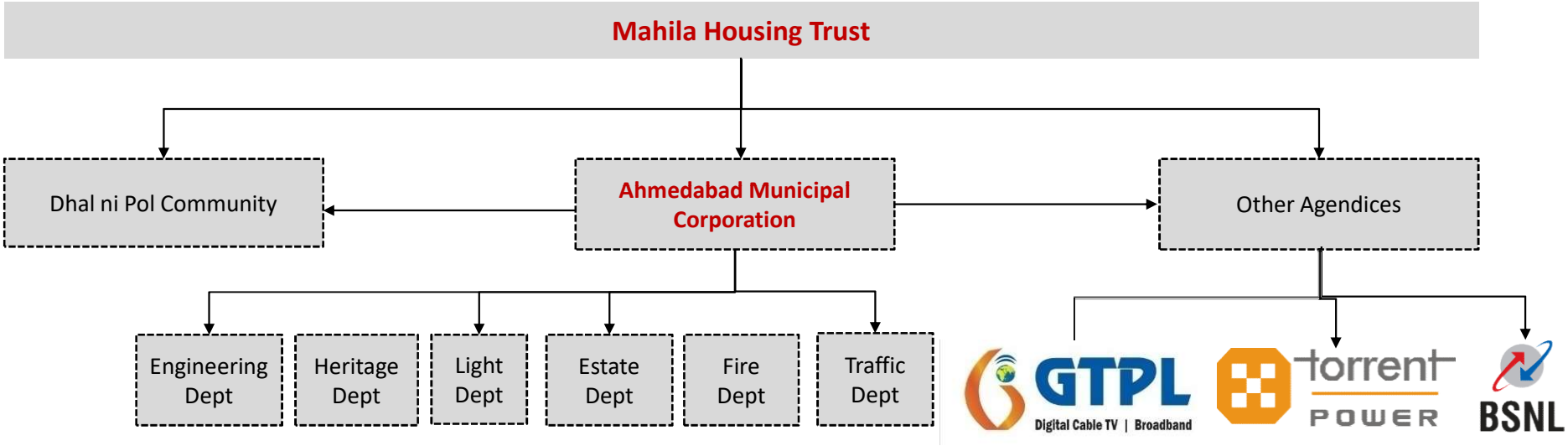
Selection of pavers

Selection of Light Fixture was done with participation from community, from Light Department (AMC), Heritage Department, Engineering Department (AMC) etc.

6. COORDINATION WITH AMC & VARIOUS STAKEHOLDERS

Stakeholders involved

- Various Stakeholders involved in the project includes various departments of AMC, community and private agencies are as shown below.



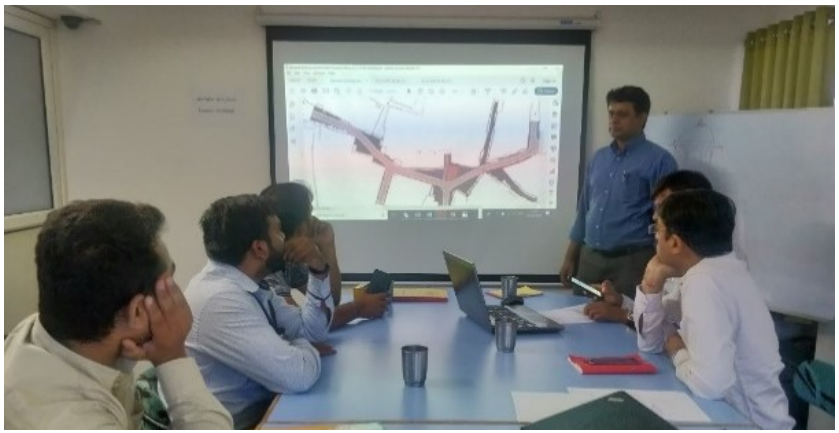
COORDINATION WITH AMC & VARIOUS STAKEHOLDERS

Meetings with AMC DyMC, Engineering and Heritage Departments on site and at AMC office

Site Visit with Dy. MC, Director AWHCT, Add. City Engineer, MHT Consultant and community women

Meeting with Engineering and Heritage Dept at Ahmedabad Municipal Corporation Office

Meetings with AMC DyMC, Engineering and Heritage Departments on site and at AMC office

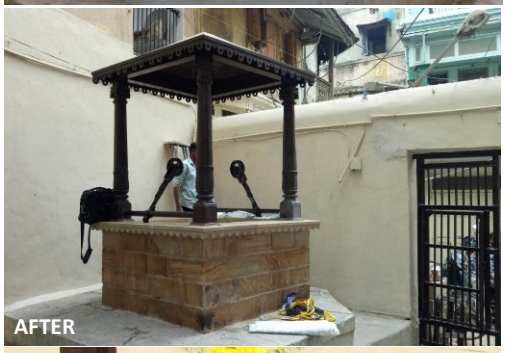


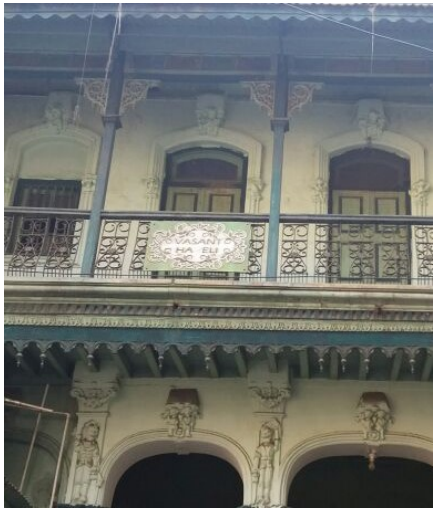
Meeting with AMC officials and MHT consultants at AMC

On-site meetings & discussions with Stakeholders

Early initiatives to generate awareness and build good-will and before the project

1. Restoration of Chabutra
2. Recharging a 300 year old community well
3. Chaklini Khambhi (Bird Memorial)
4. Heritage Walks led by community women
5. Road Striping done with AMC for organising the street
6. Tanka Restoration

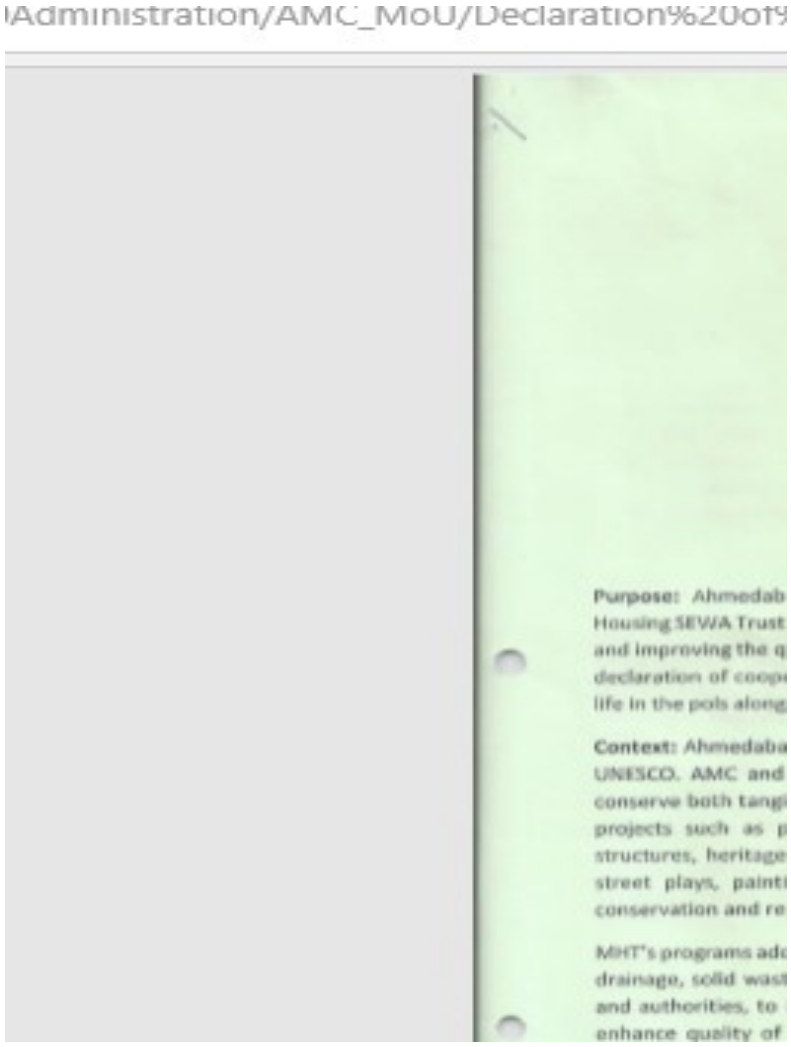




7. SECURING PARTNERSHIP & ENSURING FUNDING

Declaration of Cooperation – AMC & MHT

- Conceptual design was then presented to the Municipal commissioner in 2018 and a Declaration of Cooperation was signed between Ahmedabad Municipal corporation and Mahila Hosing Trust in August, 2018. This further helped to kick start the process of funding.



Inviting potential funding organizations

- Cost Estimate of overall project was made and proposal of the overall project was presented to companies and foundations such as IOCL, HT Parekh Foundation, SELCO Foundation etc. to avail the funds for the project.

Site meeting with Funding Agency

Site Visit with funding agency

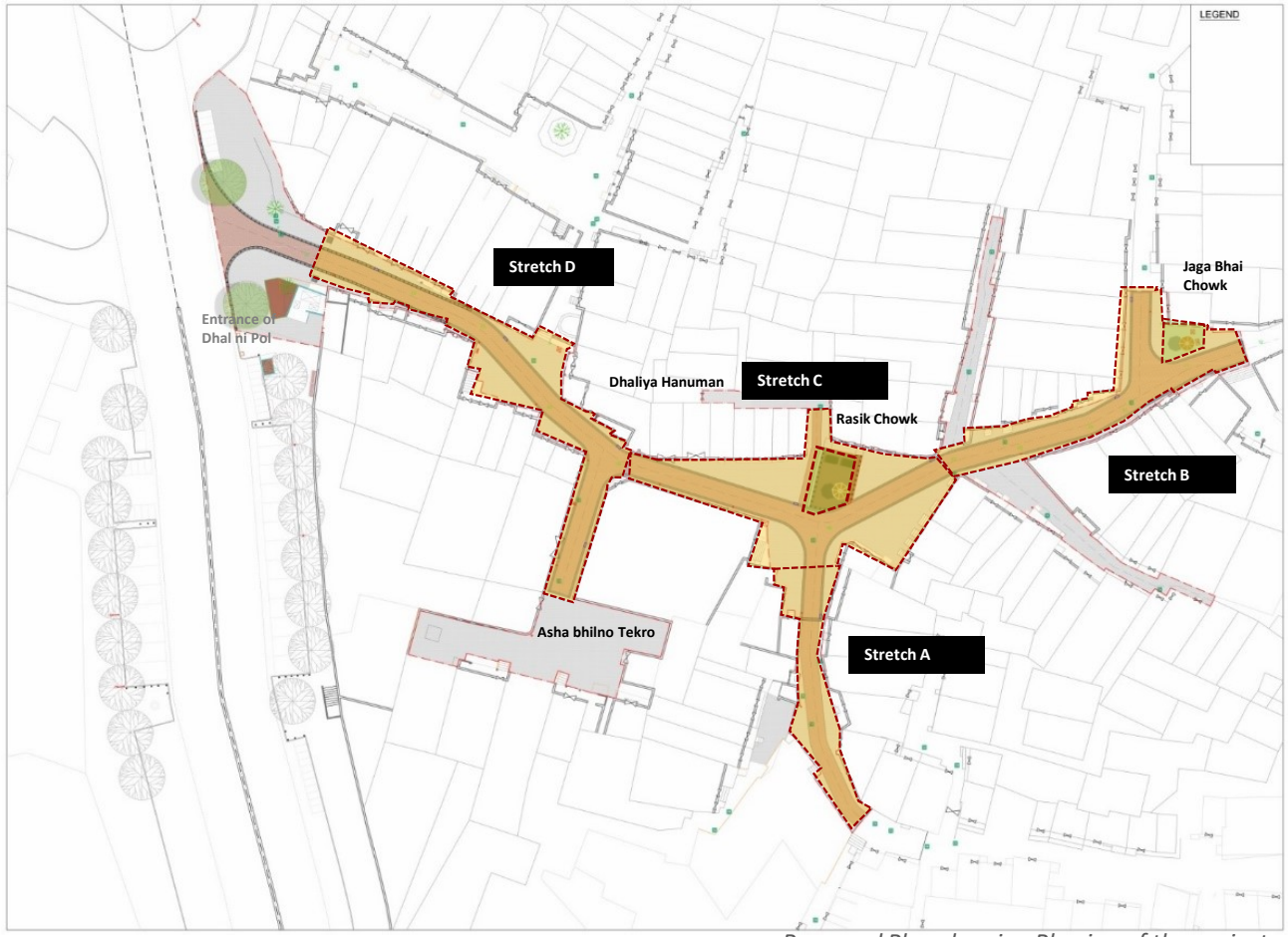
- Cost Estimate of overall project was made and proposal of the overall project was presented to companies and foundations such as IOCL, HT Parekh Foundation, SELCO Foundation etc. to avail the funds for the project.

Site meeting with Funding Agency

8. EXECUTION

Phasing of Work on Site

- **A sample stretch of 30m** was chosen strategically with guidance from AMC officials and community in order to least affect the community and is successfully completed.
- Upon approvals, works in remaining stretches was carried out stretch by stretch such that movement within the PoI does not impact
- Works carried out between mid -2019 to mid-2021



Proposed Plan showing Phasing of the project

Implementation Team

MHT has been actively speaking with the Dhal ni Pol community members, it simultaneously formed active relationship building and liaising efforts with the city administration. Consequently, a core team consisting of MHT staff and AMC officials was created to begin work on the project as shown in the table.

Designation	Organisation
Trustee	MHT
Director	MHT
Programme Manager	MHT
Development Associate	MHT
Development Associate	MHT
Civil Engineer	MHT
Field Organiser	MHT
Field Organiser	MHT
Field Organiser	MHT
Draftsman	MHT
Chief Accountant	MHT
Administration	MHT
Additional City Engineer Central Zone	AMC
Deputy City Engineer Central Zone	AMC
Assistant City Engineer Central Zone	AMC

Phasing of the project

The overall project is planned in 5 Stretches viz., Stretch A to Stretch D. Stretch A is completed recently

Stretch A to D

PRE EXECUTION ACTIVITIES

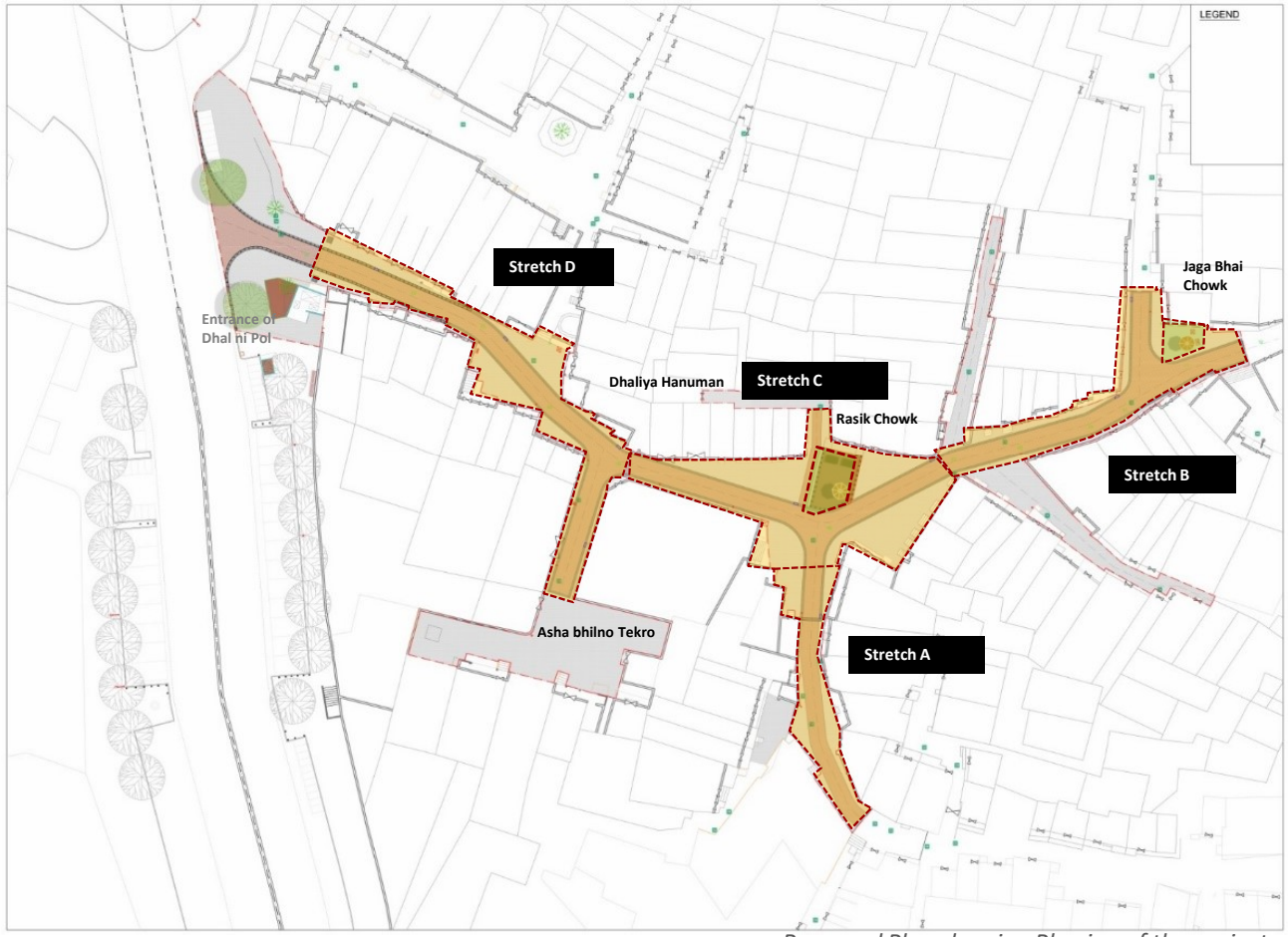
- Site Visits with Stakeholders
- Selection of elements
- Other developemnt with AMC and community like parking
- Comunity Meetings
- Design Development

UNDERGROUND ACTIVITIES

- Line out & levels - Contractor MHT
- Underground works - Laying torrent cables, relocating SFPs - Torrent
- Underground works - Cabling for Street light, New SFP for Street Light - Contractor MHT
- Foundation for street light & Signage - Contractor MHT
- Laying Fire & Storm water pipes with manholes & catch pits - Contractor MHT
- Scrapping of road & excavation upto 1.5 ft- Contractor MHT
- Underground works - Sewage & water (with GTs
- & manholes) - AMC
- Underground pipes and Cross overs for GTPL - Contractor MHT
- Shifting hanging cables to underground- GTPL
- BSNL SFP shifting (in jagabhai chock) - BSNL
- Percolation Well (at the entrance)

ABOVE GROUND WORKS

- Otla & chowkdi removal
- PCC work & Toe wall for Plaza
- Light poles installation & removal of old light poles
- finishing of otlas & steps
- Paving
- Fabrication of Jalis for Pathway - 1.8 m X 1.1m X 0.3m height (30 Nos)
- Plaza (Jagabhai Chowk & Rasik Chowk)
- Facade Painting



Proposed Plan showing Phasing of the project

Phasing of the project – 5 Phases

The overall project is planned in 5 Stretches viz., Stretch A to Stretch D. Stretch A is completed recently

Stretch A to D

PRE EXECUTION ACTIVITIES

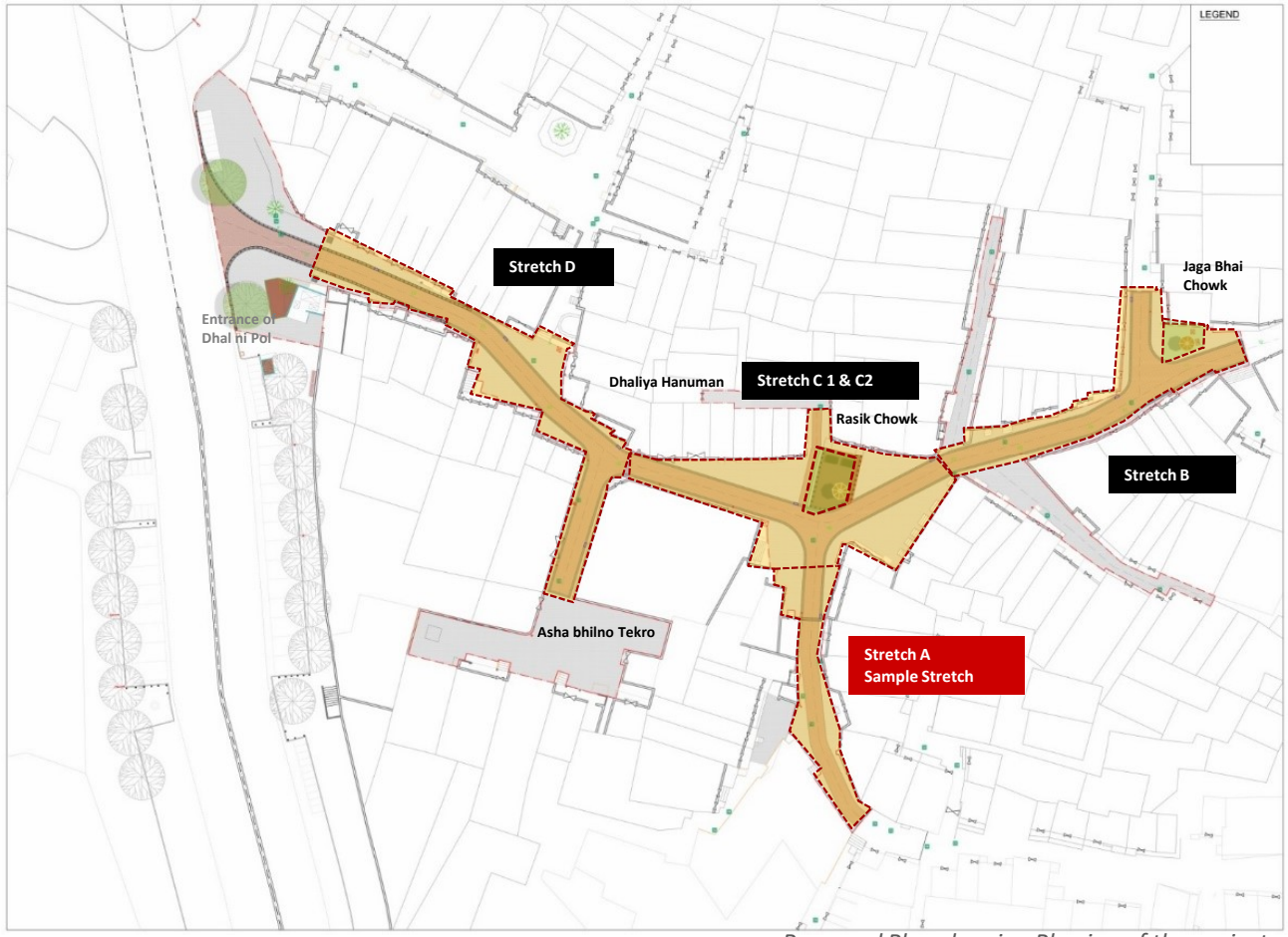
- Site Visits with Stakeholders
- Selection of elements
- Other developemnt with AMC and community like parking
- Comunity Meetings
- Design Development

UNDERGROUND ACTIVITIES

- Line out & levels - Contractor MHT
- Underground works - Laying torrent cables, relocating SFPs - Torrent
- Underground works - Cabling for Street light, New SFP for Street Light - Contractor MHT
- Foundation for street light & Signage - Contractor MHT
- Laying Fire & Storm water pipes with manholes & catch pits - Contractor MHT
- Scrapping of road & excavation upto 1.5 ft- Contractor MHT
- Underground works - Sewage & water (with GTs
- & manholes) - AMC
- Underground pipes and Cross overs for GTPL - Contractor MHT
- Shifting hanging cables to underground- GTPL
- BSNL SFP shifting (in jagabhai chock) - BSNL
- Percolation Well (at the entrance)

ABOVE GROUND WORKS

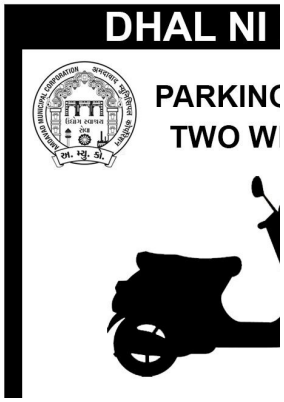
- Otla & chowkdi removal
- PCC work & Toe wall for Plaza
- Light poles installation & removal of old light poles
- finishing of otlas & steps
- Paving
- Fabrication of Jalis for Pathway - 1.8 m X 1.1m X 0.3m height (30 Nos)
- Plaza (Jagabhai Chowk & Rasik Chowk)
- Facade Painting

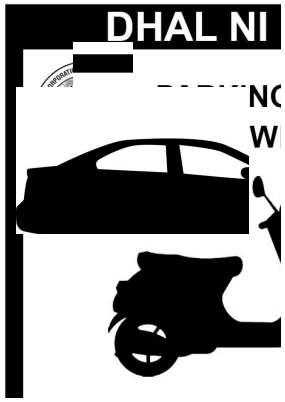


Proposed Plan showing Phasing of the project

Preparation Work & Providing Alternative Routes

- Arrangement of an alternative route for vehicular movement for execution of sample stretch
- Creating awareness through signage and posters
- Management of parking



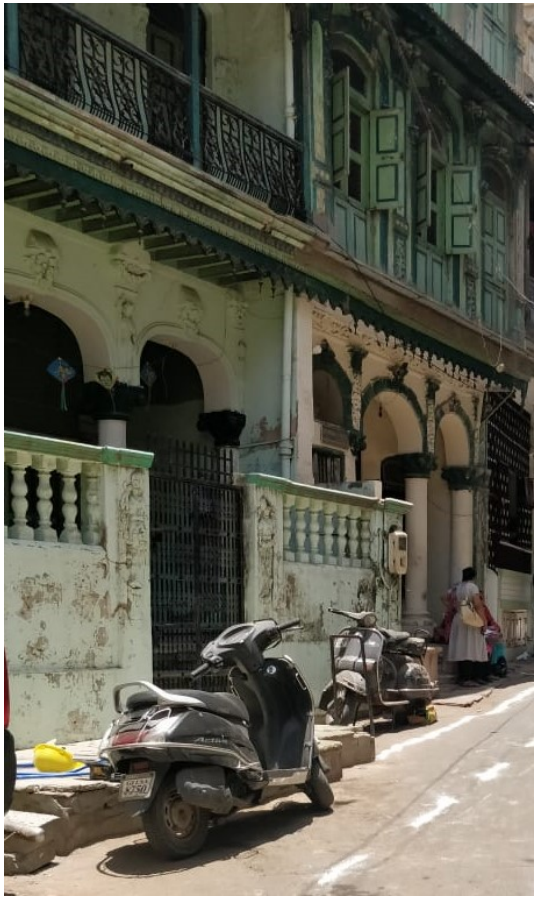


Before

After

Parking Management through Preparation and distribution of parking stickers

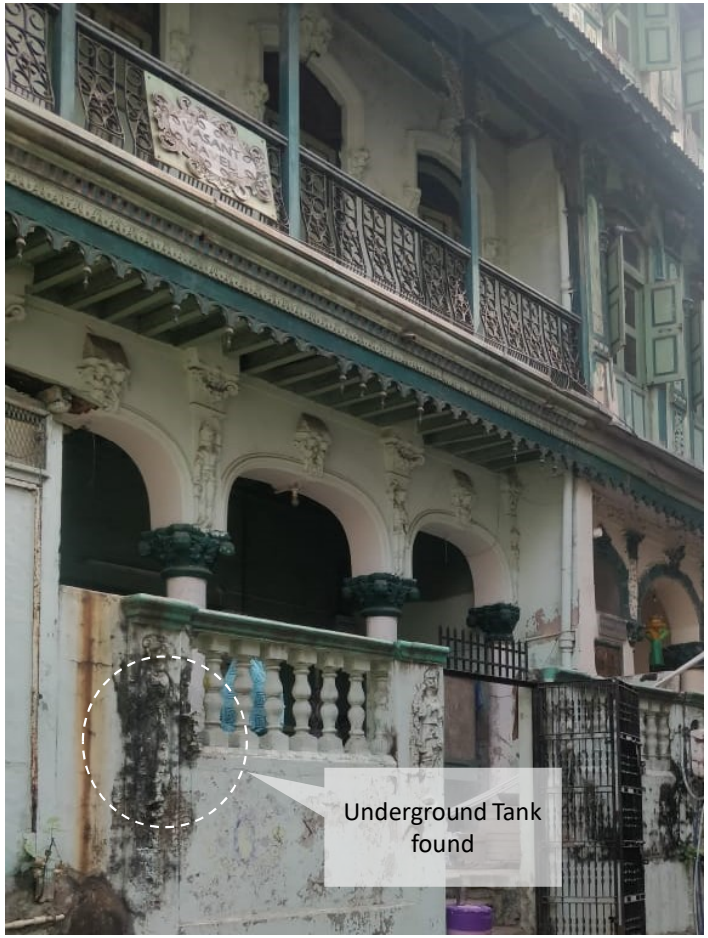
Line-out and Muhurat (Project Initiation) by Pol Residents



Line-out and excavation for underground infrastructure

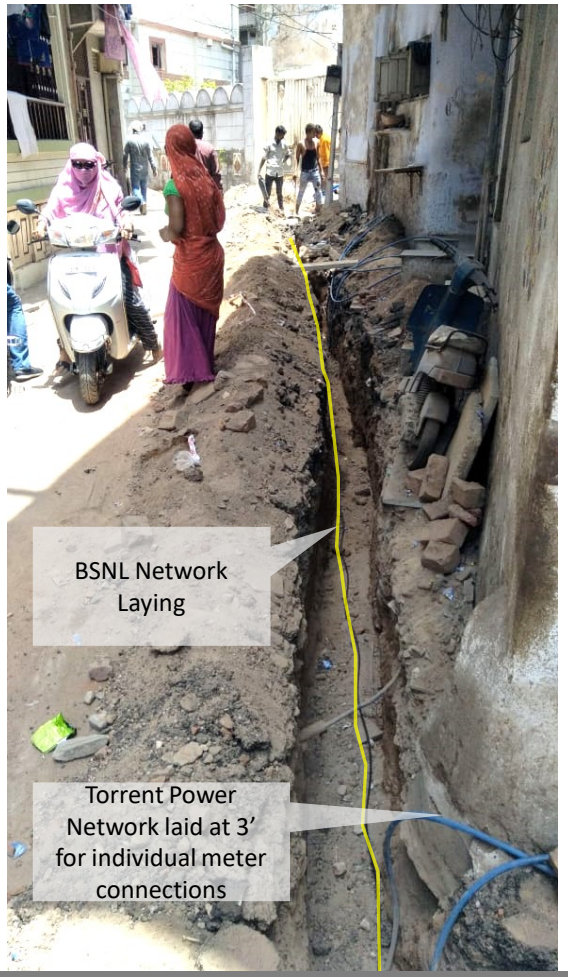
Officials from AMC Engineering Dept on site visit

Demolition of Otla and Chowkdi (to be Reconstructed after PCC work)



Underground Tank discovered during the demolition of Otla

Telecommunication & TV cable agencies working in Sample Stretch



Installation of Underground dry Fire Fighting System

Installation of Crossover pipes for future services

- Installation of crossover pipe will enable the future service cables to cross the street unlike existing cables covering the heritage buildings.

Installation of Cross Over Pipes for future

Installation of Pavers

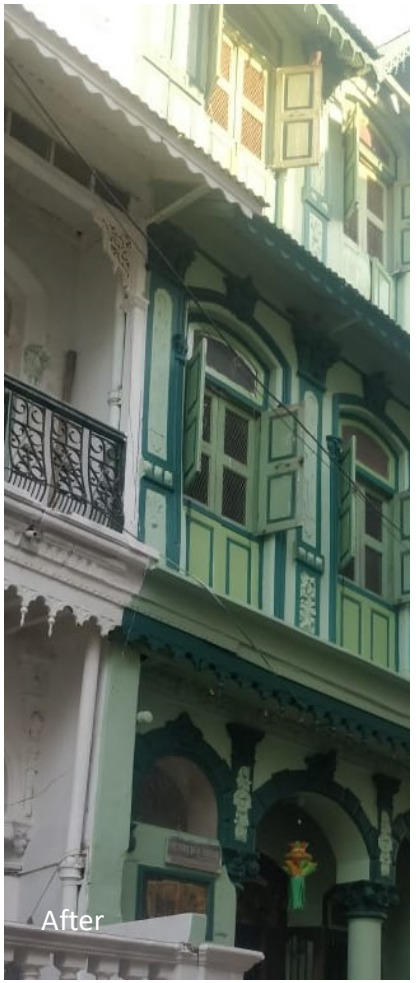
Installation of Pavers

Construction of Otla, Chowkdi and Ramp

Installation of Electrical Pole

EXECUTION

Façade Painting



9. Completion

Project by MHT in coordination with AMC
Technical Support by HuE Design & Planning Studio

Project by MHT in coordination with AMC

Technical Support by HuE Design & Planning Studio

Project by MHT in coordination with AMC

Technical Support by HuE Design & Planning Studio

Project by MHT in coordination with AMC

Technical Support by HuE Design & Planning Studio

Project by MHT in coordination with AMC

Technical Support by HuE Design & Planning Studio

Project by MHT in coordination with AMC

Technical Support by HuE Design & Planning Studio

રસિક ચોક
RASIK CHOWK
Rasik Chowk is the first chowk of Dhal ni Pol. It is named after the freedom fighter Rasiklal Thakorlal Jani (1926 - 1942), who was martyred after taking a bullet during the "Quit India" movement of 1942 against the British rule on India on December 9th, 1942.

REVITALIZATION OF DHAL NI POL
"Revitalization of Dhal ni Pol" is a unique initiative by Mahila Housing Trust (MHT) with a vision to improve the living environment in the heritage precinct of the World Heritage City of Ahmedabad.
Under this initiative, the "Public Area Improvement of Dhal ni Pol" is a pilot project carried out between 2019-2021. It was developed in association with Amdavad Municipal Corporation (AMC) and guidance from CEPT University. MHT engaged with the residents and members of the Pol to arrive at a common vision to improve the Pol. It included reorganizing the street into movement and non-movement areas and public plazas, conservation of Chabutaras, improved street lighting and infrastructure for stormwater drain for ground water recharge. It also included refurbishing of underground infrastructure for water and sewage, electricity by Torrent Power Ltd, telecommunication by Bharat Sanchar Nigam Ltd (BSNL) and TV cable by Gujarat Tele Link Pvt Ltd (GTPL). The project was jointly funded by HDFC Bank, Indian Oil Corporation Ltd. (IOCL), SELCO Foundation and M.S.Khurana Engineering Ltd (MSK).
A PROJECT BY:
MHT
HDFC
IndianOil
MSK

AMC
World Heritage City
AMDAVAD

Project by MHT in coordination with AMC

Technical Support by HuE Design & Planning Studio

Project by MHT in coordination with AMC

Technical Support by HUDD Design & Planning Studio

Residents' Testimonials

There is a change in the perception of the people about the pol. The restoration of the Pol has created a good atmosphere. It is good to live in the Pol as a result of work done by MHT.

Earlier, roads were uneven, there were parking troubles. The streetlights weren't sufficient and the electric wires were sagging – spoiling the view of the space and increasing hazard for the residents.

MHT's work in Dhal ni Pol has enhanced the view of the Pol

Roads are cleaner and looking wider than before. They have started looking like those in foreign countries.

The Pol residents like the work done by MHT very much. This should be replicated in other Pols

Lalita Krishnaswamy
Board Member, MHT

Bijal Bhrabhatt
Director, MHT

Bharti Bhonsale
Program Manage, MHT

Ruchi Mehta
Design & Execution Expert

THANK YOU

Project by

In collaboration with

Advisory & Technical Guidance

Jignesh Mehta,
Urban Planner and Urban Designer
Adjnct. Associate Professor, CEPT University