

Street4People

Cycle4Change

25.08.22

Street Transformations

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Indian streets...









Yellow sign on a pole, partially legible text.

le's Pizza

LL 365

सिंहगिरि
हस्त







MARUTI

SUZUKI

LOVE RUSH

Ashapuri

MP 47
E08665

897





TRIP METROPHOLITAN GROUP
SHUBHANGI
9822438273

SHUBHANGI
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38

SILVERLINE
2nd Floor
PUNE
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CP
491

7

CP
491







AAKASH
022823353
0202823353

भारत

दों उमण पूल

BIG
BIG
BIG

BIG
BIG
BIG

A
AURANG

Backpack
Yellow pants









What our streets aspire to be...



CHINATOWN
CHINESE NEW YEAR
CELEBRATIONS 2011
16 FEBRUARY - 6 MARCH

CHINATOWN
CHINESE NEW YEAR
CELEBRATIONS 2011
16 FEBRUARY - 6 MARCH

ACEVA
LIVING
LIFE

Archer Rd
Central Bus







大行

DBS
銀行

北京同仁堂

118

TAXI



CINE FOTO COLO

Nikon
Leica
ASAFI
PENTA

ARPI

ARPI

ARPI

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ARPI





Singapore

All these streets are carefully designed and planned to be a great public space

What our Indian streets aspire to be...

1. A better organized street
2. A street where it is easier to walk
3. A street that can be more easily (safely) crossed
4. A street that better accommodates public transport
5. A street where on-street parking is easily accessible
6. A street where vending is better managed
7. A street with memorable shade giving trees
8. A street that works in tandem with the cross streets
9. A street that can evolve with the city

What our approach should be...

1. Achieves a laminar flow of traffic
2. Organizes junctions
3. Addresses that infrastructure is built over a period
4. Coordinates the underground utilities with surface layout and functioning of the street
5. Responds to the multitude of activities and functions that streets perform
6. Ensures quality by standardizing basic elements/ details
7. Provides scope for further customization / responds well to the context

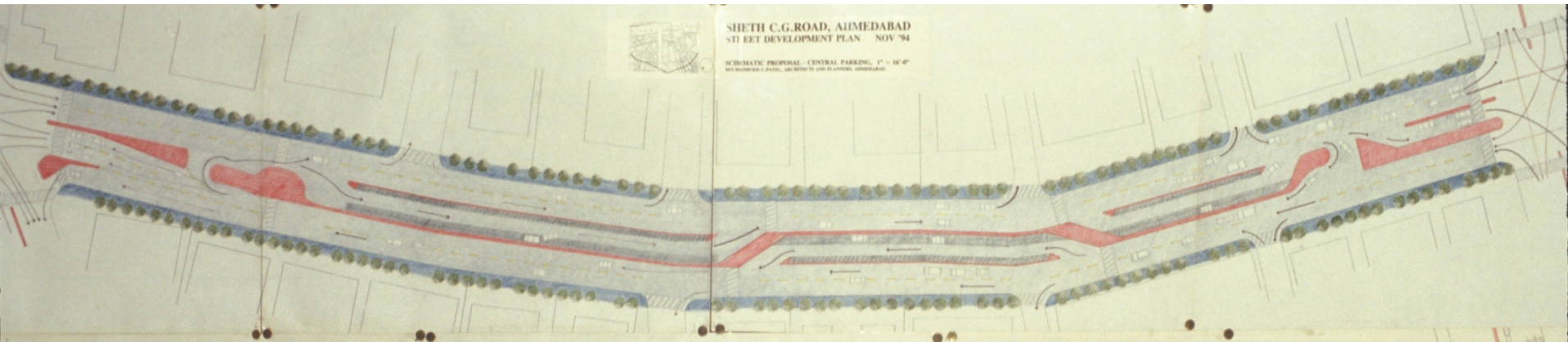
Design & Detail





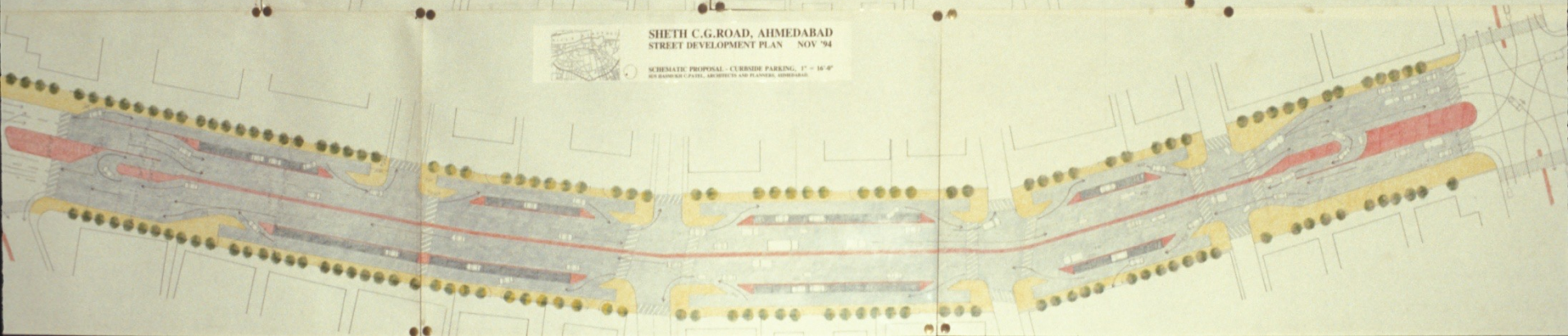
SHETH C.G. ROAD, AHMEDABAD
STREET DEVELOPMENT PLAN NOV '94

SCHEMATIC PROPOSAL - CENTRAL PARKING, 1" = 16' 0"
BY ROBERT C. PATEL, ARCHITECT AND PLANNING DESIGNER



SHETH C.G. ROAD, AHMEDABAD
STREET DEVELOPMENT PLAN NOV '94

SCHEMATIC PROPOSAL - CURBSIDE PARKING, 1" = 16' 0"
BY ROBERT C. PATEL, ARCHITECT AND PLANNING DESIGNER









OUR ROADS. OUR WAY.

adani
Shantigram
THE GOOD LIFE

A Street full of Happiness!!

Partnered by



Cycle Partner



23rd April | 6:30am to 9:30am | C. G. Road, Panchvati to Stadium Crossroads

THE TIMES OF INDIA



The shade is not consistent



Parking on Carriageway – there is not much traffic on the road!



Vending promotes parking and disturbs traffic



Shared space does not feel safe enough for pedestrians

Understanding the street & context

Immediate context

Land use study to understand adjacent building use



Existing Data - Built Use Plan & Informal Vending Mapping - Stretch 2

Observations :

1. Major Usage along street – Commercial and Institutional (77%)
2. Other usages like Residential, Mixed Use and Public.
3. Informal vending activities on walkway

Inferences :

1. The commercial edge will require Parking
2. Need of Strict Vending strategy to accommodate vendors along street.

	Commercial	57%
	Residential	7%
	Institutional	20%
	Mixed Use	10 %
	Public	1 %
	Vacant Land	5 %

Note : In above table, calculated numbers or figures are of 2.4 km long 3rd Avenue Road. Graphical map is for reference only.

Street frontage

Edge condition



Existing Data - Property Edge Condition - Stretch 2

Observations :

1. Maximum (85%) of properties have their building threshold as permanent compound wall or Built to Line Buildings.
2. Other 15% of building edge is open frontage

Inferences :

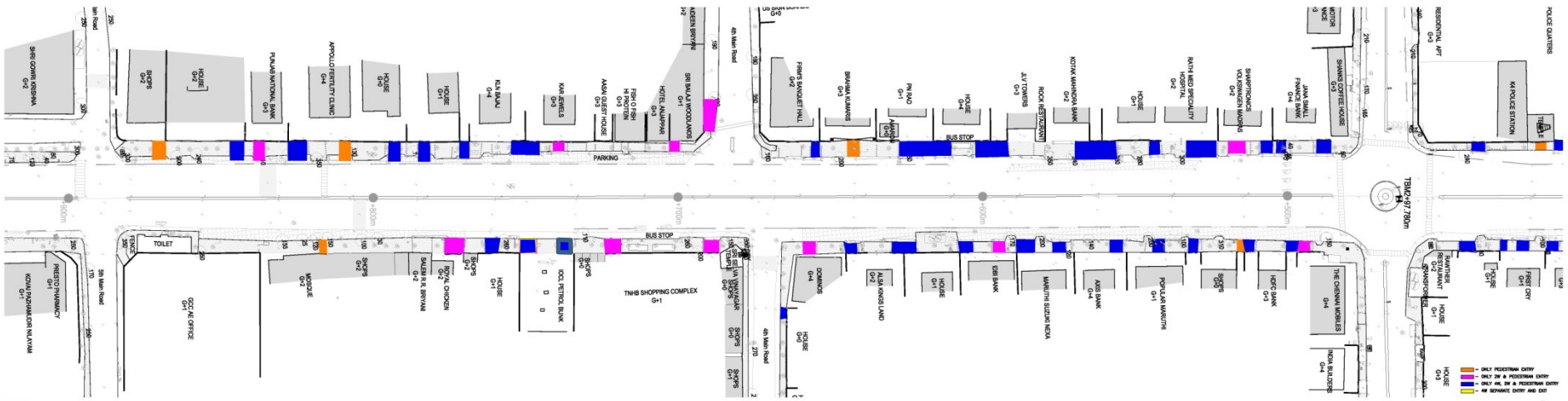
1. Need of Entry-Exit Strategies that will guide to allocate vehicular entries to property.
2. Also help to identify the locations for Toe Walls to restrict more than one vehicular access to open frontage.

	Compound Wall or Permanent Railing-Gate	43%
	Built to Line	42%
	Open Frontage	15%

Note : In above table, calculated numbers or figures are of 2.4 km long 3rd Avenue Road. Graphical map is for reference only.

Property entrances

Entry & Exit to individual buildings / property



Existing Data - Property Entry Exit Mapping - Stretch 2

11th September, 2020

Observations :

1. Variation in entries, types, sizes and condition.
2. Some property have open spaces in front.
3. Informally occupied walkway
4. Sizes of Gates are varying from 2.6 m to 6.3 m.

Inferences :

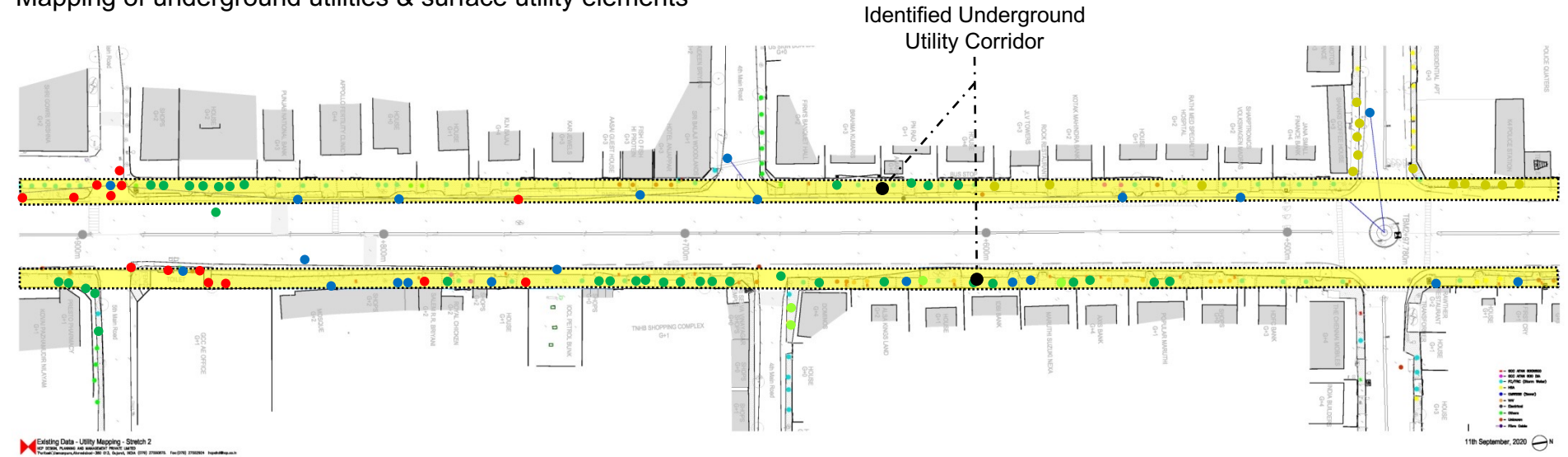
1. Need to identify the required entry numbers and types.
2. Raised Walkway Feasibility
3. Feasibility of Activity Pockets along streets
4. Standard Entry Policy that allows maximum possible parking.

	Total Property Numbers	138
	Total Entrances	166
	Only Pedestrian Entries	30
	Only 2w + Pedestrian Entries	33
	4w Entries	103

Note : In above table, calculated numbers or figures are of 2.4 km long 3rd Avenue Road. Graphical map is for reference only.

Underground utilities

Mapping of underground utilities & surface utility elements



Observations :

1. Multiple existing utilities network and their manholes on surface observed.
2. Hard to maintain all services

Inferences :

1. Requirement of Strict Laying and Maintaining Underground Utilities Policy
2. Utility corridor must be easily accessible and dig able for maintenance purpose.
3. clubbing and reducing of supply or service lines.
4. This corridor must be located towards the property side to ease multiple connection to individual property.
5. Covered with pavement like pavers to allow maintenance.

- GCC AFAN 600X600
- GCC AFAN 600 DIA
- FC/FRC (Storm Water)
- HSA
- CMWSSB (Sewer)
- VVV
- Electrical
- Others
- Unknown
- Fibre Cable

Trees inventory

Tree survey – Tree species & tree girth



A . *Samanea saman* – Rain tree



B . *Ficus Veii* – Pilkhan



C . *Ficus Veii* - Pilkhan



M . *Peltophorum* – Copper pod



N . *Ziziphus Mauritiana*



O . Indian Cherry



D . Peepal



E . *Leucaena leucocephala*



F . *Delonix Regia* - Gulmohar



P . Trumpet Flower



Q . *Bauhinia* Variety



R . *Plumeria Alba*



G . *Thespesia*



H . Neem



I . *Polyalthia Longifolia* - Asoka



S . Jackfruit



T . *Ficus Benjamin*



U . Indian Almond



J . Palm



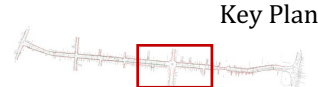
K . *Putranjiva roxburghii*



L . *Pongamia pinnata*

Parking Study - Day

Survey During Morning Peak (11am)



	Auto	21
	Cycle	0
	Motor Bike	304
	Car	89
	Van	0
	Lorry	1



1 Delivery agent bikes beside the service road.



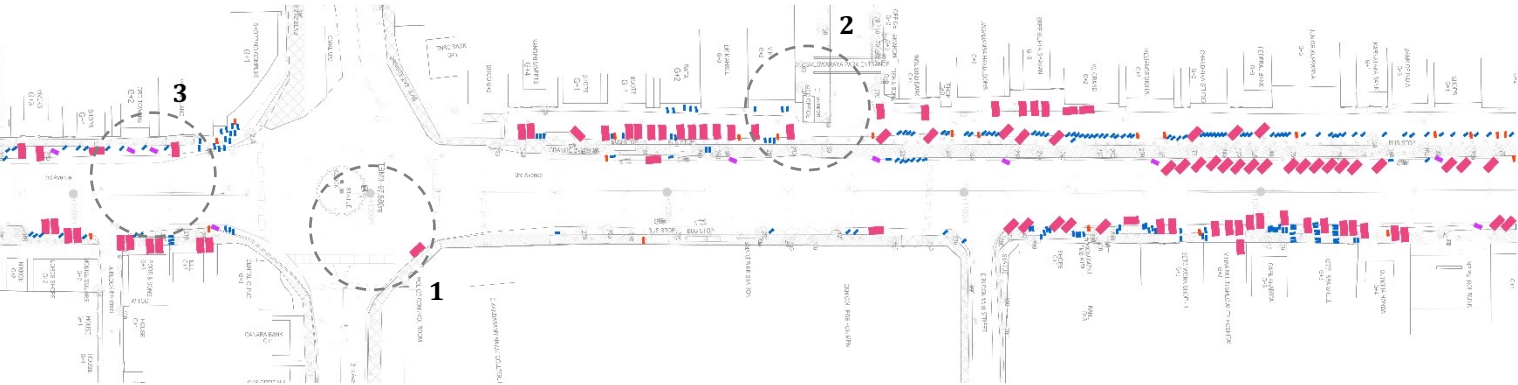
2 Vehicles parked in shade.



3 Bikes parked on pavement.

Parking Study

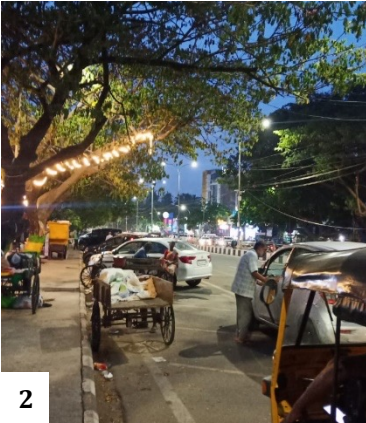
Survey During Night Peak (7 pm)



	Auto	10
	Cycle	20
	Motor Bike	188
	Car	88
	Van	0
	Lorry	0



1 Cars parked in front of the Bus stand in 3rd Avenue.



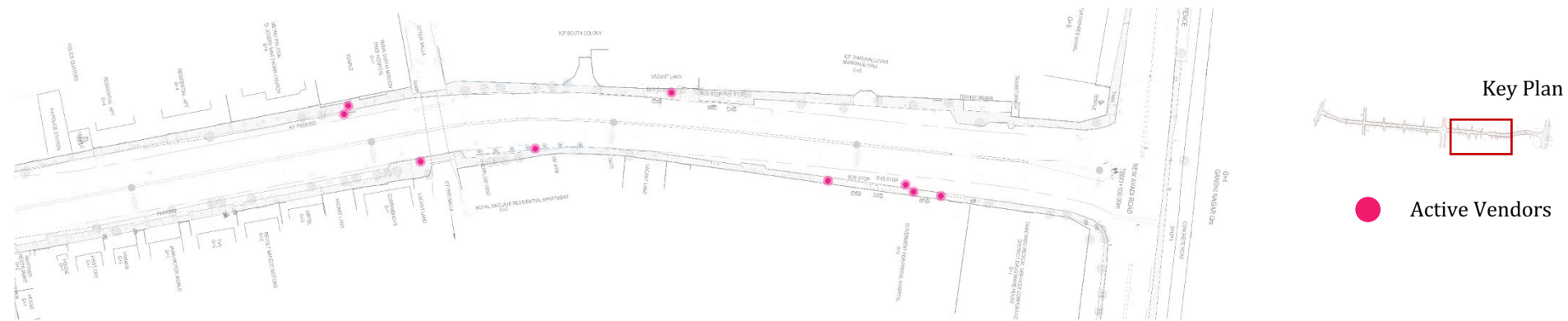
2 Cars parked along 3rd Avenue



3 Cars parked in front of super market

Vendor Study

Survey During Morning Peak (11am)



Carts closed during day time.



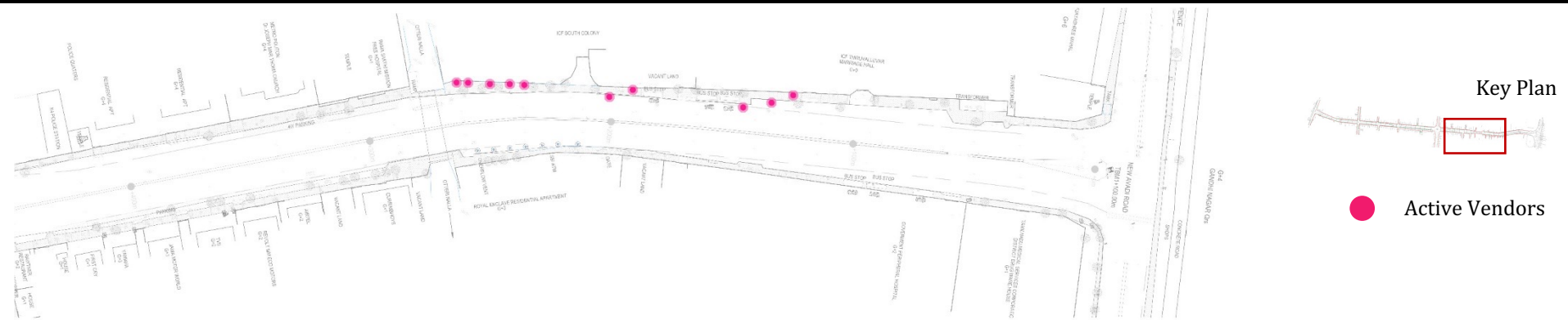
Carts on service road.



Tender coconut cart.

Vendor Study

Survey During Night Peak (7 pm)



Sugarcane vendors closed during night.



Flower and tea vendor.

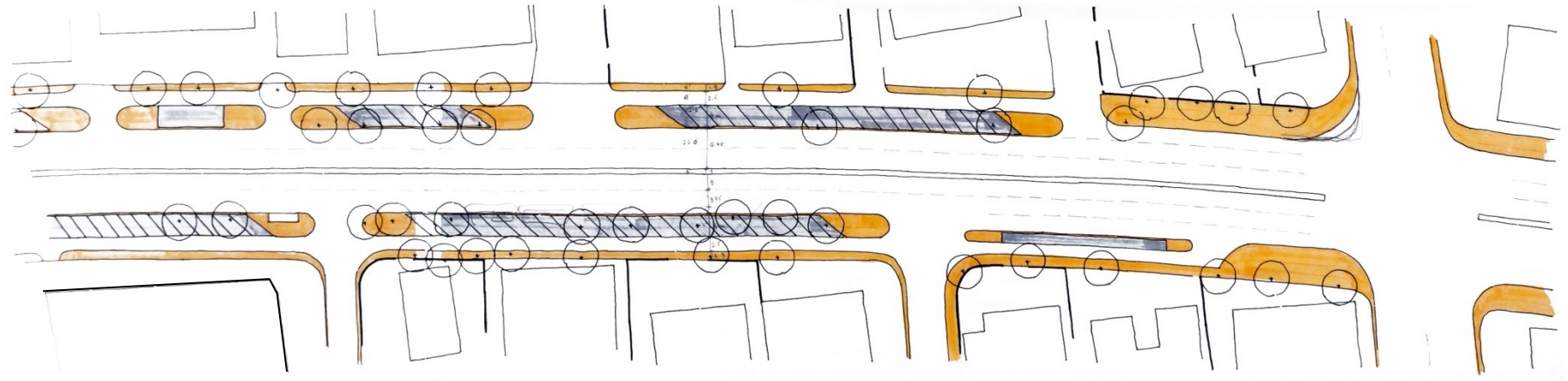


Tea shop near petrol bunk

Planning and trying out options / testing

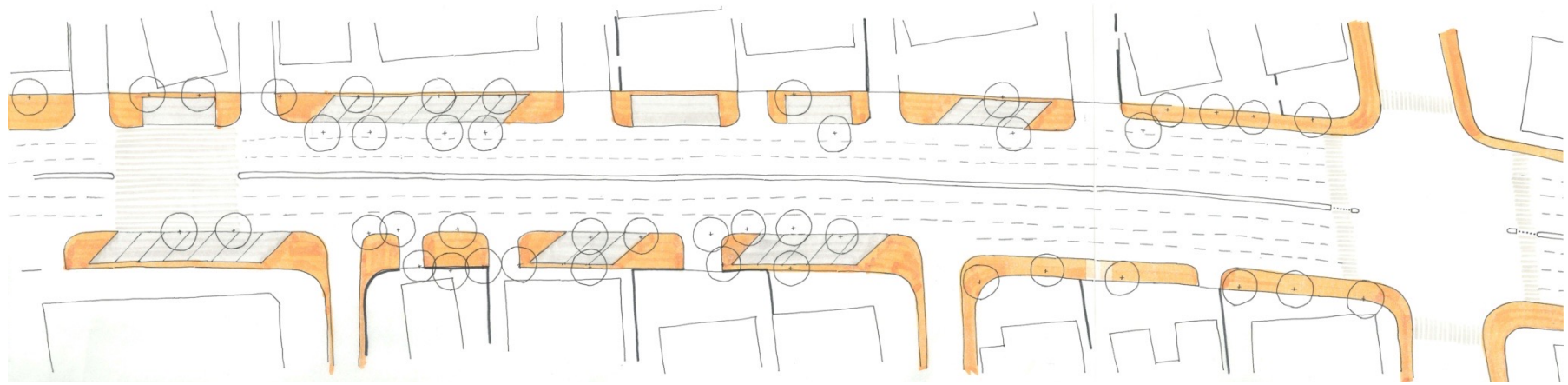
Alternatives

Existing condition- Diagonal parking from inside with Local Access lane



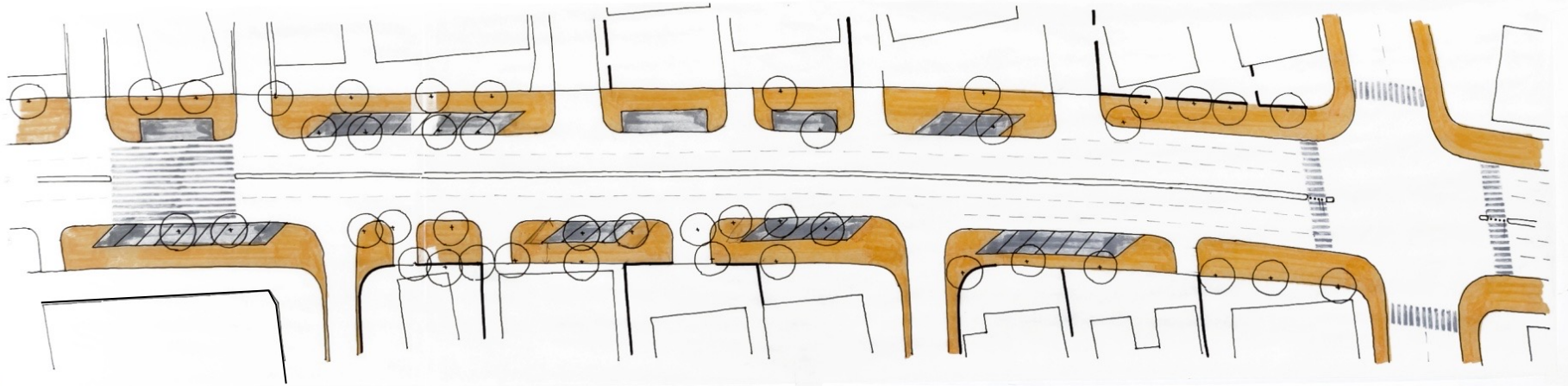
Alternatives

Alternative 1- Widening with 3 Lanes + Diagonal Parking from outside w/o Local Access Lane



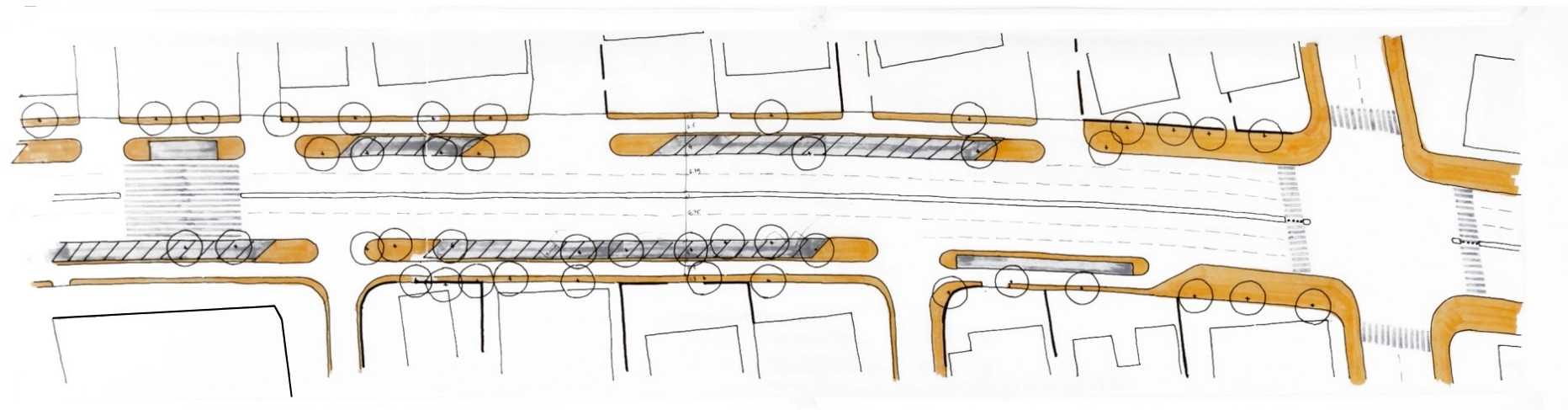
Alternatives

Alternative 2- Diagonal parking from outside w/o Local Access lane



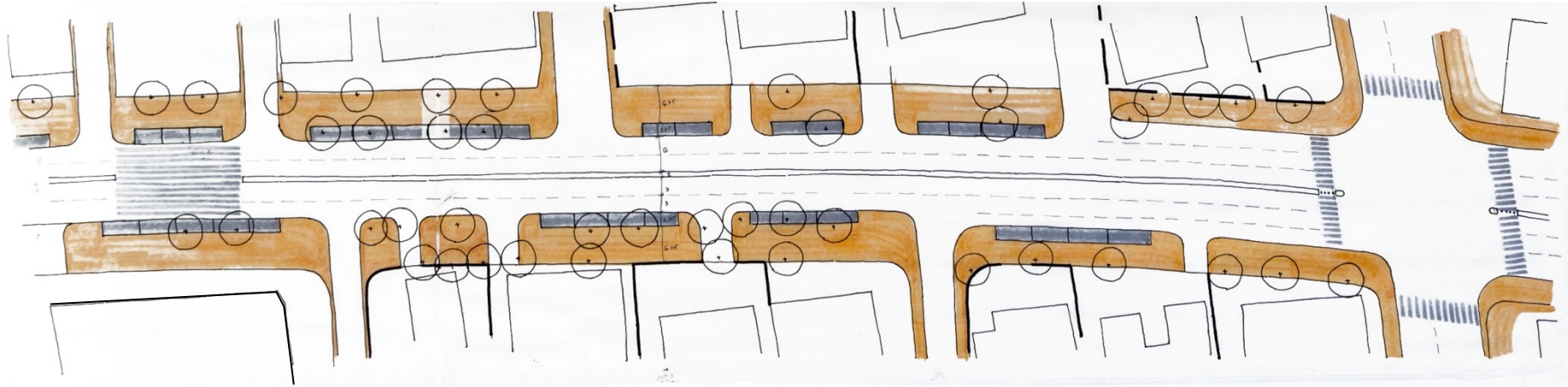
Alternatives

Alternative 3- Diagonal parking from outside + Local Access Lane



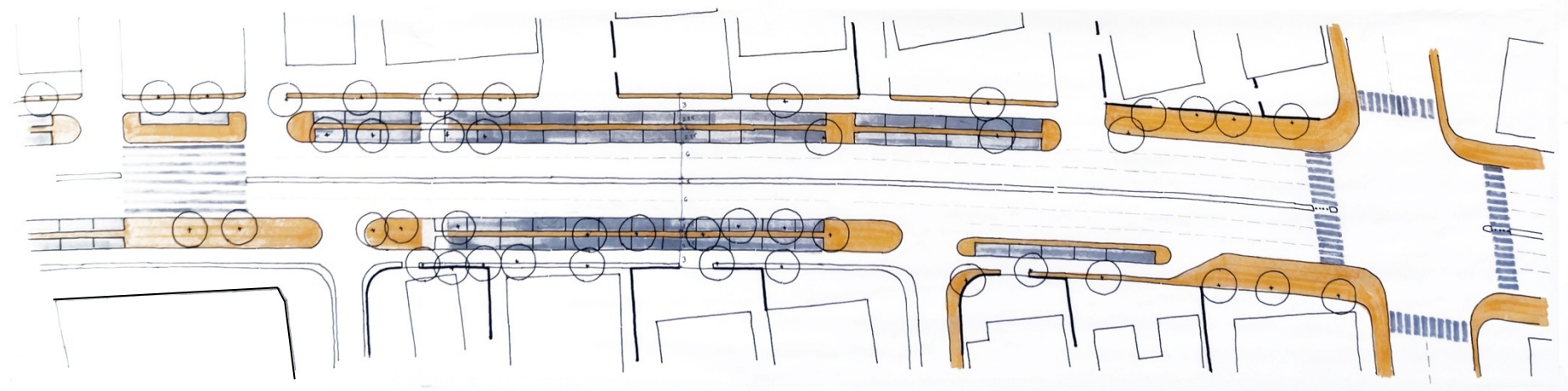
Alternatives

Alternative 4- Parallel Parking from Outside w/o Local Access Lane



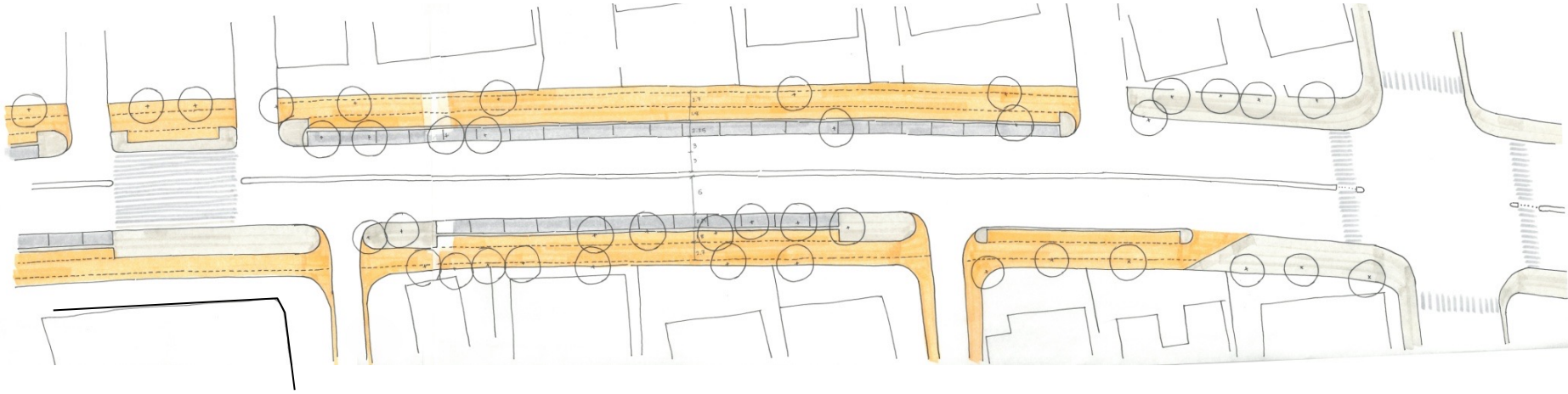
Alternatives

Alternative 5- Parallel Parking from Outside and Inside + Local Access Lane



Alternatives

Alternative 6- Parallel Parking from Outside & 2W parking from Inside + Local Access Lane



Various Alternatives

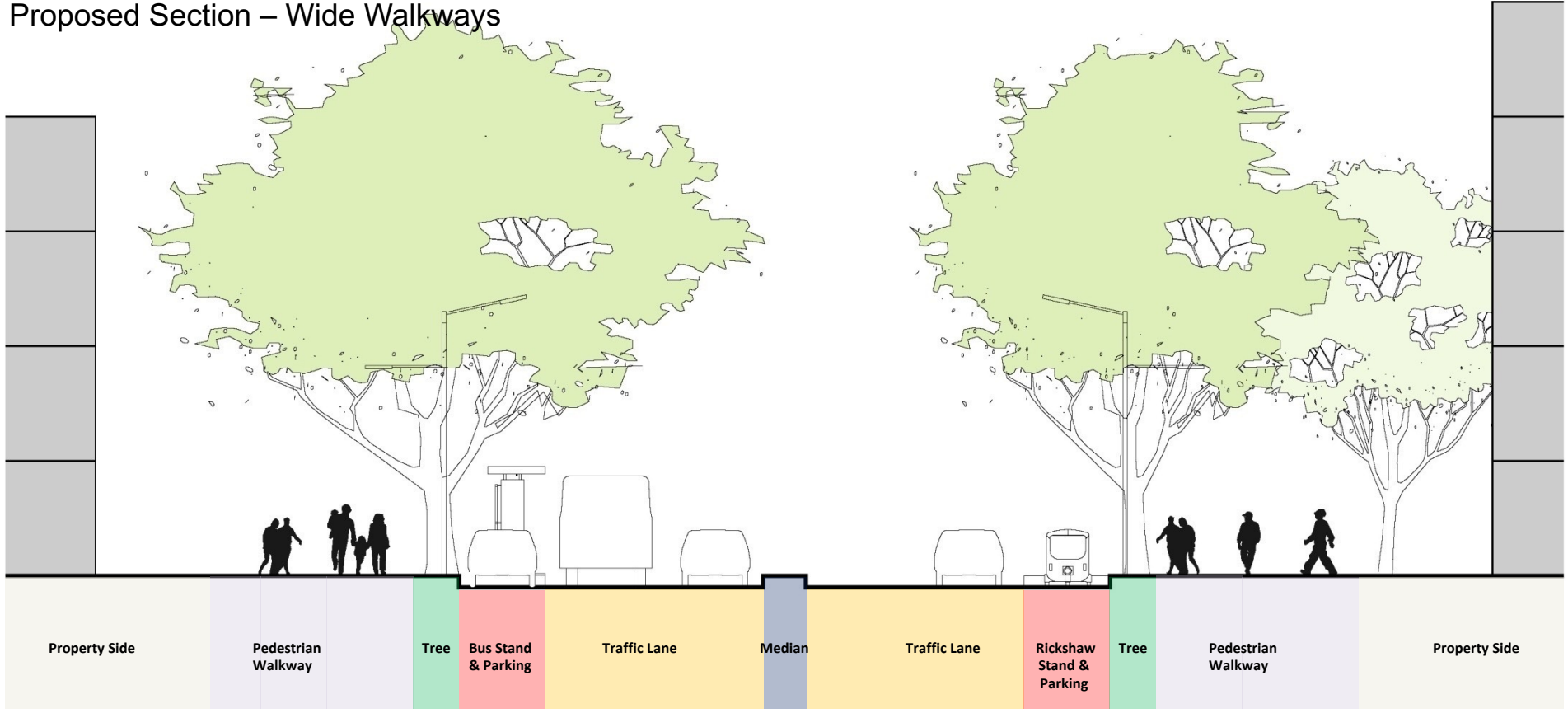
	Existing	Alternate 1	Alternate 2	Alternate 3	Alternate 4	Alternate 5	Alternate 6
	2 through lanes Diagonal Parking Mix Parking Inside Access Lane	3 through lanes Diagonal Parking Mix Parking outside No Access lane	2 through lanes Diagonal parking Mix Parking outside No Access lane	2 through lanes Diagonal parking Mix Parking outside Access lane	2 through lanes Parallel parking Mix Parking outside No Access lane	2 through lanes Parallel parking Mix Outside & Inside Access lane	2 through lanes Parallel parking 4W Outside, 2W Inside Access lane
1Through Traffic lanes							
a. Design provides for long lengths of unobstructed lanes for flow of through traffic	●	●	●	●	●	●	●
b. Design provides for adequate number of lanes for through traffic	●	●	●	●	●	●	●
2Junctions							
a. Design provides an extra lane to accommodate traffic build up at stop sign	●	●	●	●	●	●	●
b. Design provides adequately wide pedestrian crossings	●	●	●	●	●	●	●
c. Corner designed for slow turning of vehicles	●	●	●	●	●	●	●
3Vehicular entry into plots							
a. Design accommodates existing points of entry	●	●	●	●	●	●	●
b. Design ensures ease of access points of entry from through lanes	●	●	●	●	●	●	●
4Parking							
a. Design discourages parking in undesignated spaces	●	●	●	●	●	●	●
b. Design makes it easy to park in designated parking spaces	●	●	●	●	●	●	●
c. Design makes it easy to egress from parking space	●	●	●	●	●	●	●
d. Design makes it safe to egress from parking space	●	●	●	●	●	●	●
e. Design provides for ample parking	●	●	●	●	●	●	●
5Pedestrian Realm							
a. Design provides for long lengths of easy to walk on leveled sidewalks	●	●	●	●	●	●	●
b. Design provides for comfortable shaded sidewalks	●	●	●	●	●	●	●
c. Design segregates sidewalk for pedestrians alone	●	●	●	●	●	●	●
d. Design provides for wide sidewalks	●	●	●	●	●	●	●

Various Alternatives

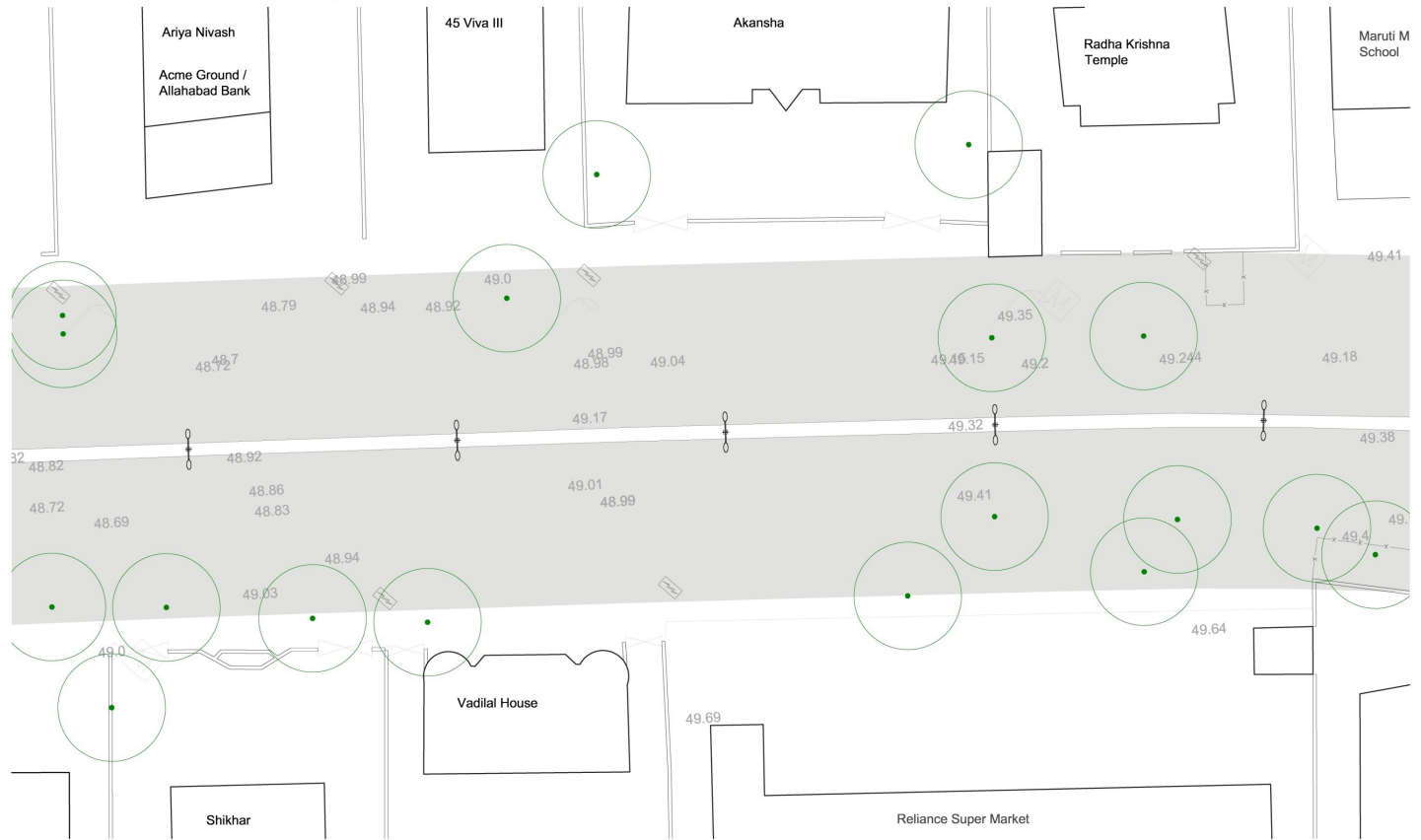
	Existing	Alternate 1	Alternate 2	Alternate 3	Alternate 4	Alternate 5	Alternate 6
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6Trees							
a. Design accommodates existing trees	●	●	●	●	●	●	●
b. Design gives a Place of Pride to Trees	●	●	●	●	●	●	●
7Bus Stop, Auto Stands and Vendors							
a. Design provides ample space for Bus stops, Auto Stands and Vendors	●	●	●	●	●	●	●
b. Design provides vending space in a way that minimizes obstruction to through traffic flow	●	●	●	●	●	●	●
8Architecture							
a. Design makes CG road distinct when compared to other streets	●	●	●	●	●	●	●
b. Design privileges pedestrian over vehicles	●	●	●	●	●	●	●
c. Street is design to evolve with expansion of public transport in the city	●	●	●	●	●	●	●
9Storm water drains							
a. Design uses the present well functioning storm water drainage system (will not require modifying the present system)	●	●	●	●	●	●	●

A design that can evolve with the city

Proposed Section – Wide Walkways



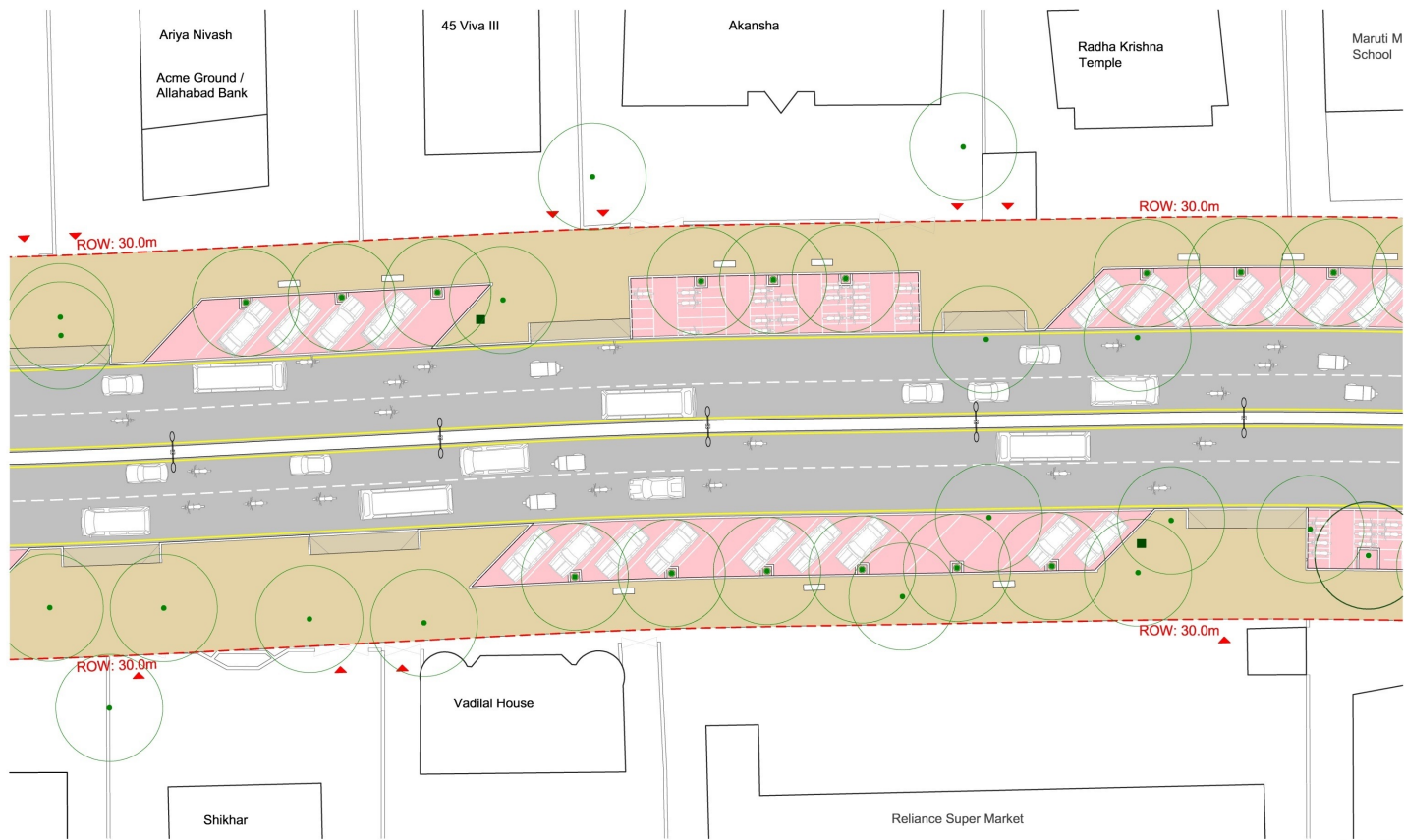
Topographical Survey



Note: Existing topographical survey with all elements such as trees, buildings, compound wall, manhole, light pole, etc.

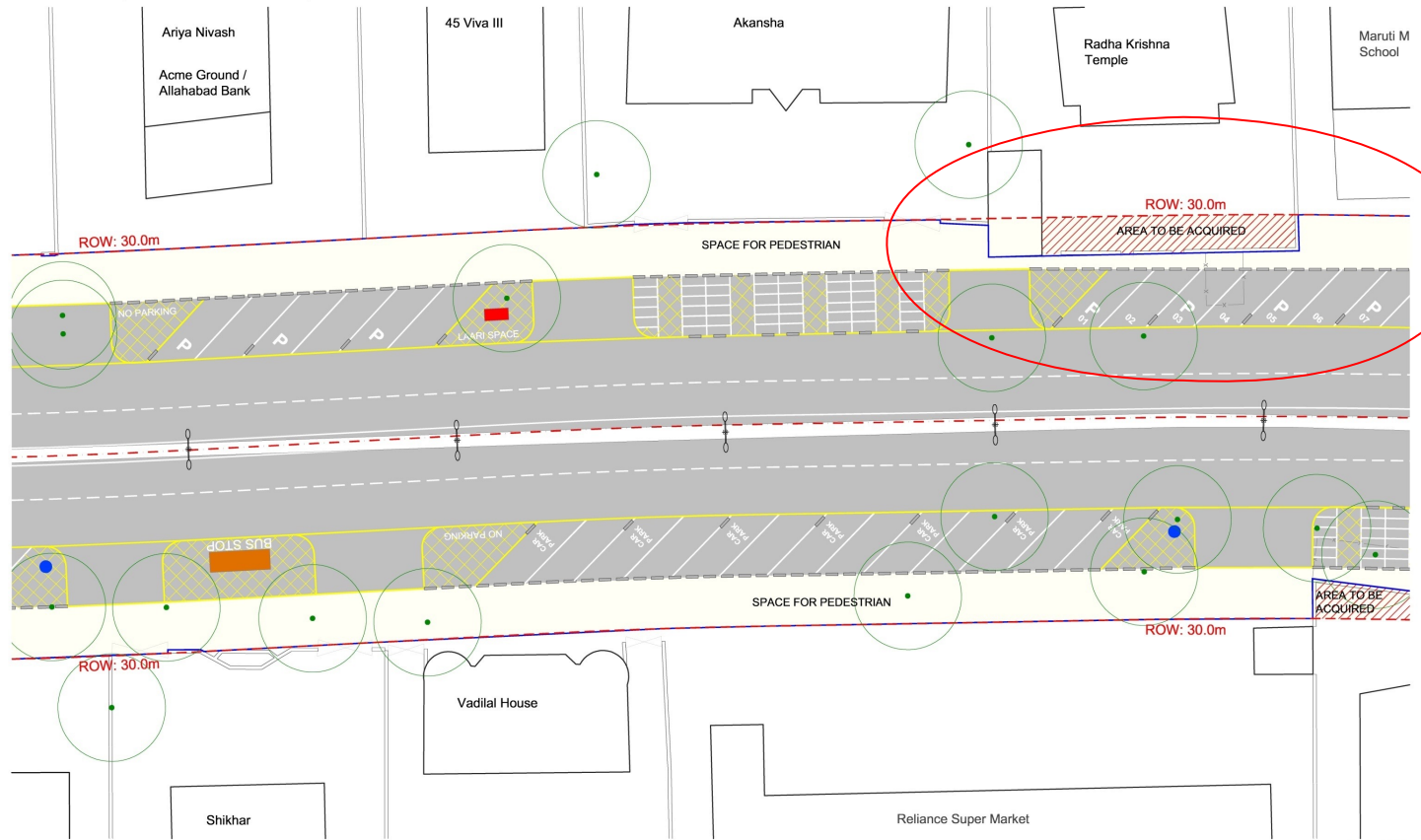
Scale 1:250

Parking Plan – Complete Street Development



4 Wheelers	- 100 (52% of current parking)
2 Wheelers	- 190
Auto Rickshaw	- 08
Vendors	- 25

Parking Plan – Current Stage



Note: No parking zone will be used as vending space and in some cases as a bus stop.

Scale 1:250



adani
Swift
MH-CZ BT 0700

MAHARASHTRA
MH-CZ BT 0710

MAHARASHTRA
MH-CZ BT 0710



SEREE KRISHNA CENTRE

DEVASHISH MOTORS

SEREE KRISHNA CENTRE

STAR
0
KIM
INTERNATIONAL

CAFÉ COFFEE

CAFÉ COFFEE

Kaushik
88 66 00 3334

ACTIVAH!

SUBWAY

CROSSWORD

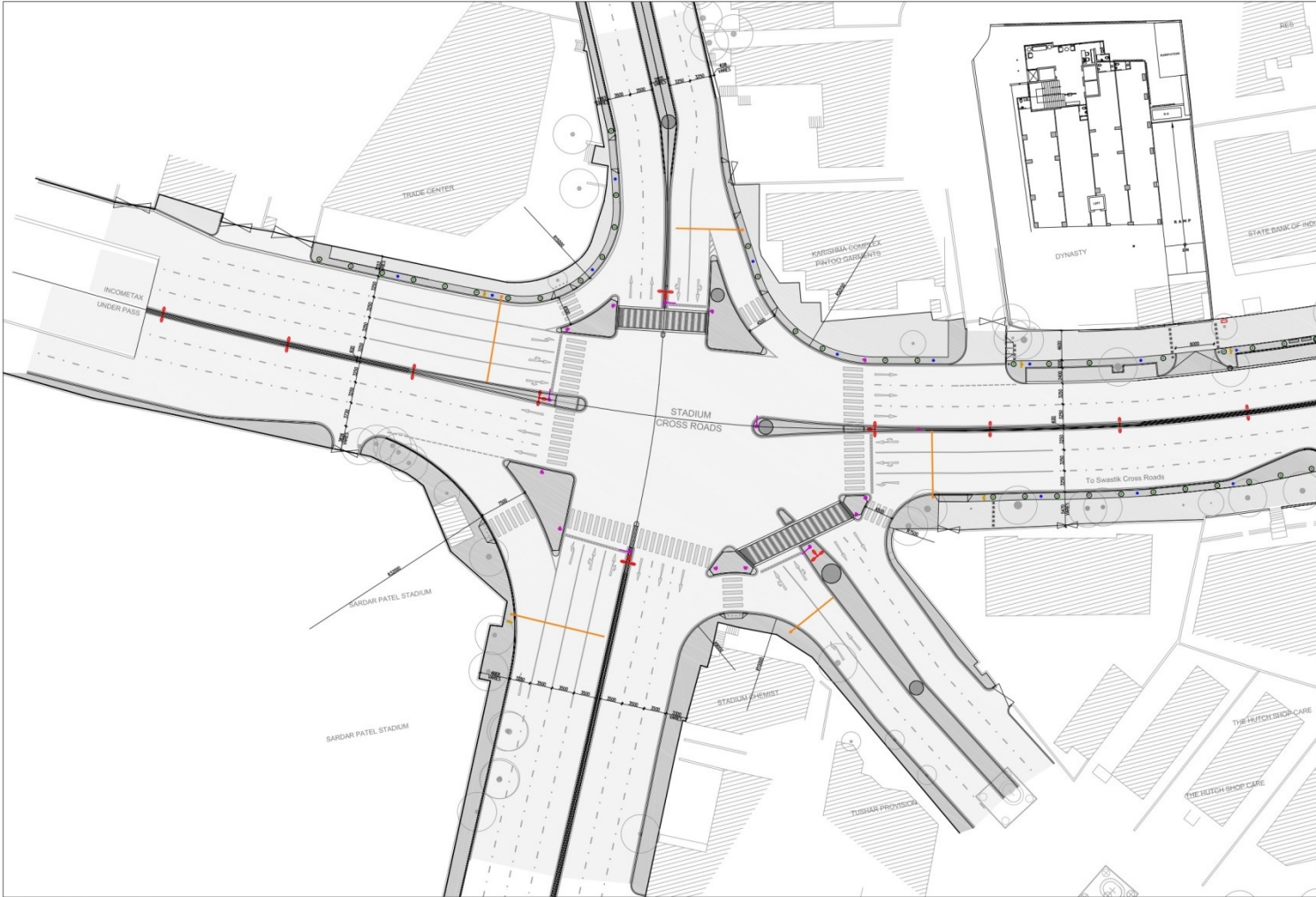
पारदर्शक पारदर्शक सर्विस



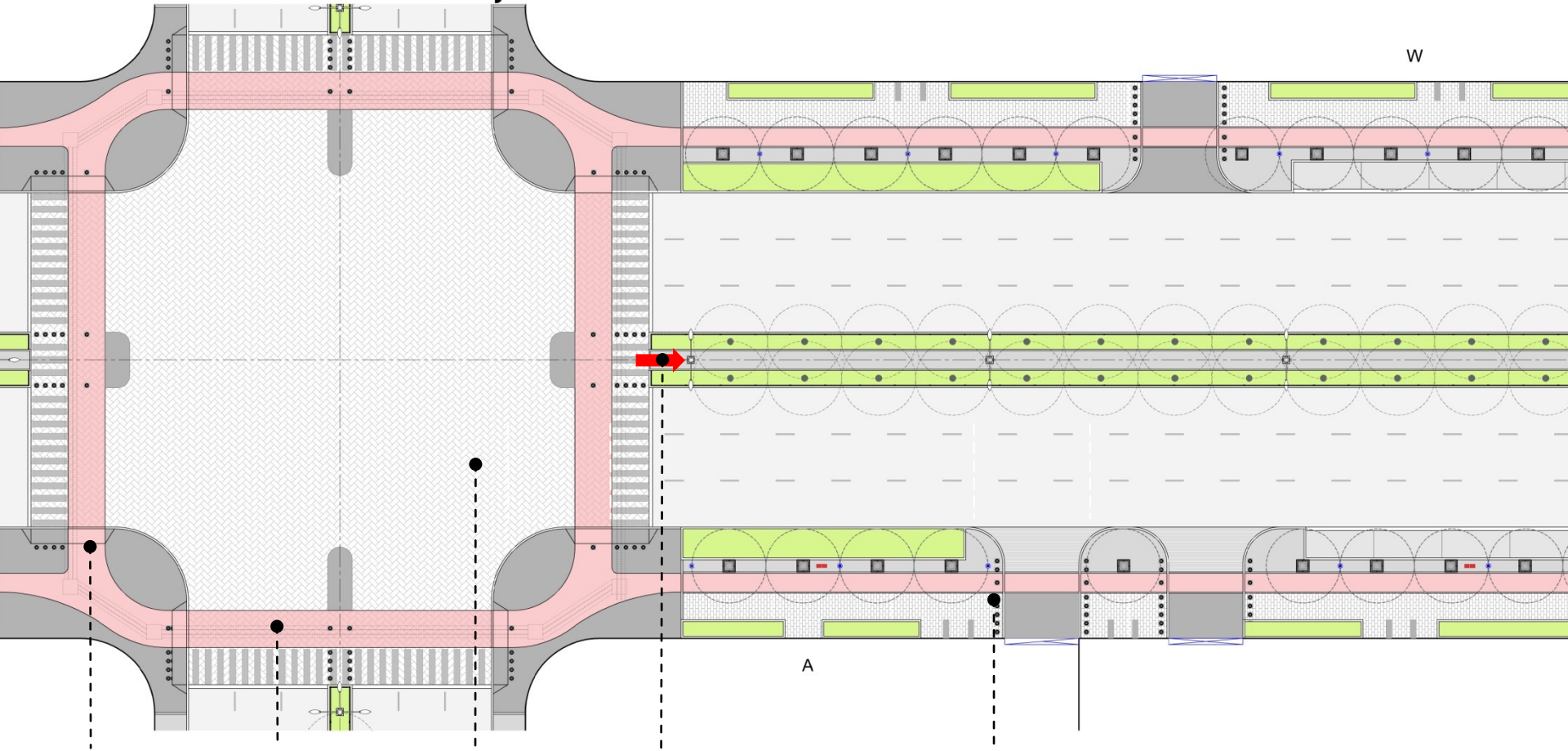
Drone Survey



Final Junction GAD



Final Junction GAD – with Cycle Network



Bollards

Utility Crossing
on Junction

Paved
Junction

Walkway Entry
in Central Verge

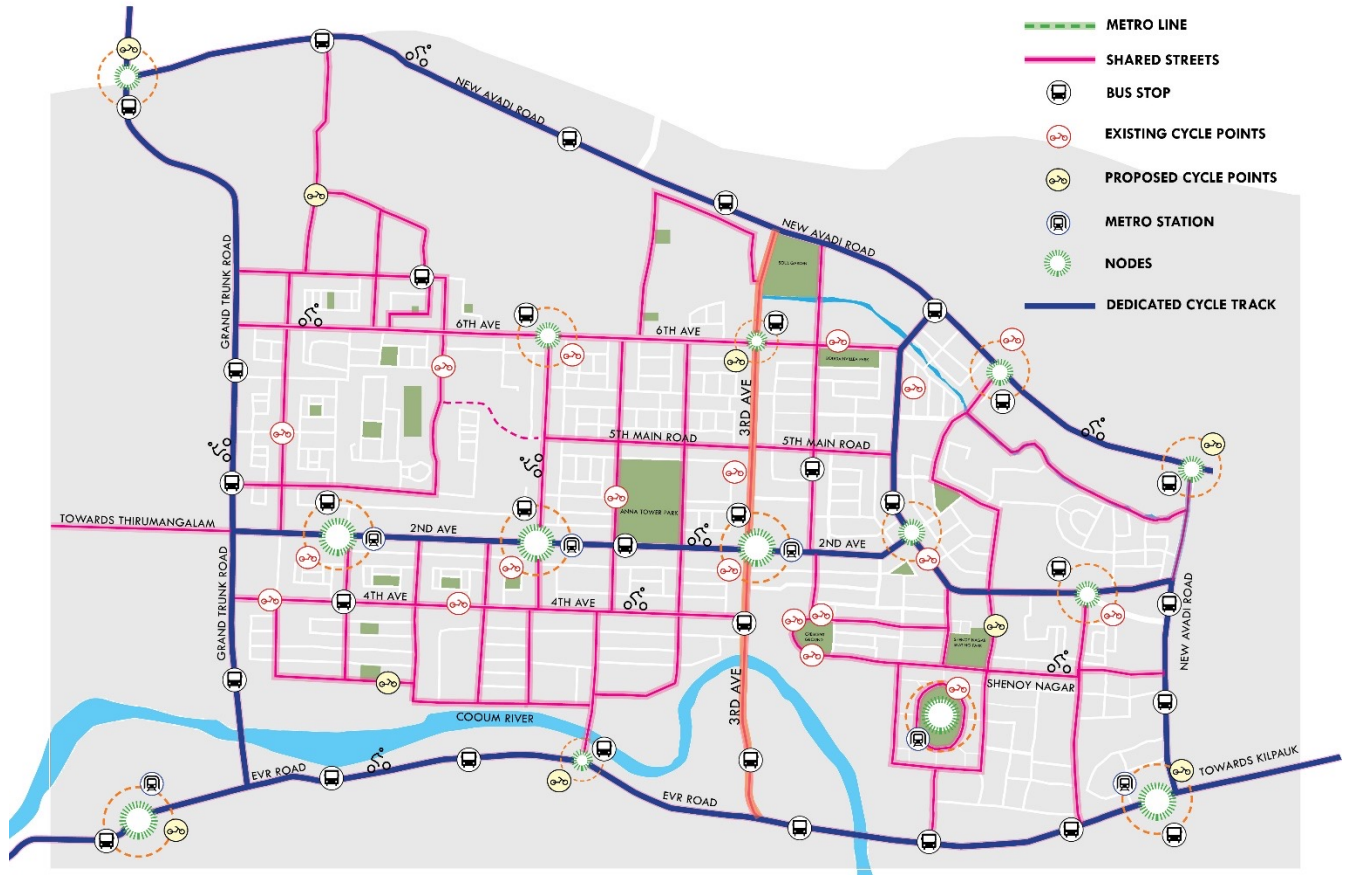
Bollards

Cross Streets



Network Planning

Connecting streets, cycle network, public transport

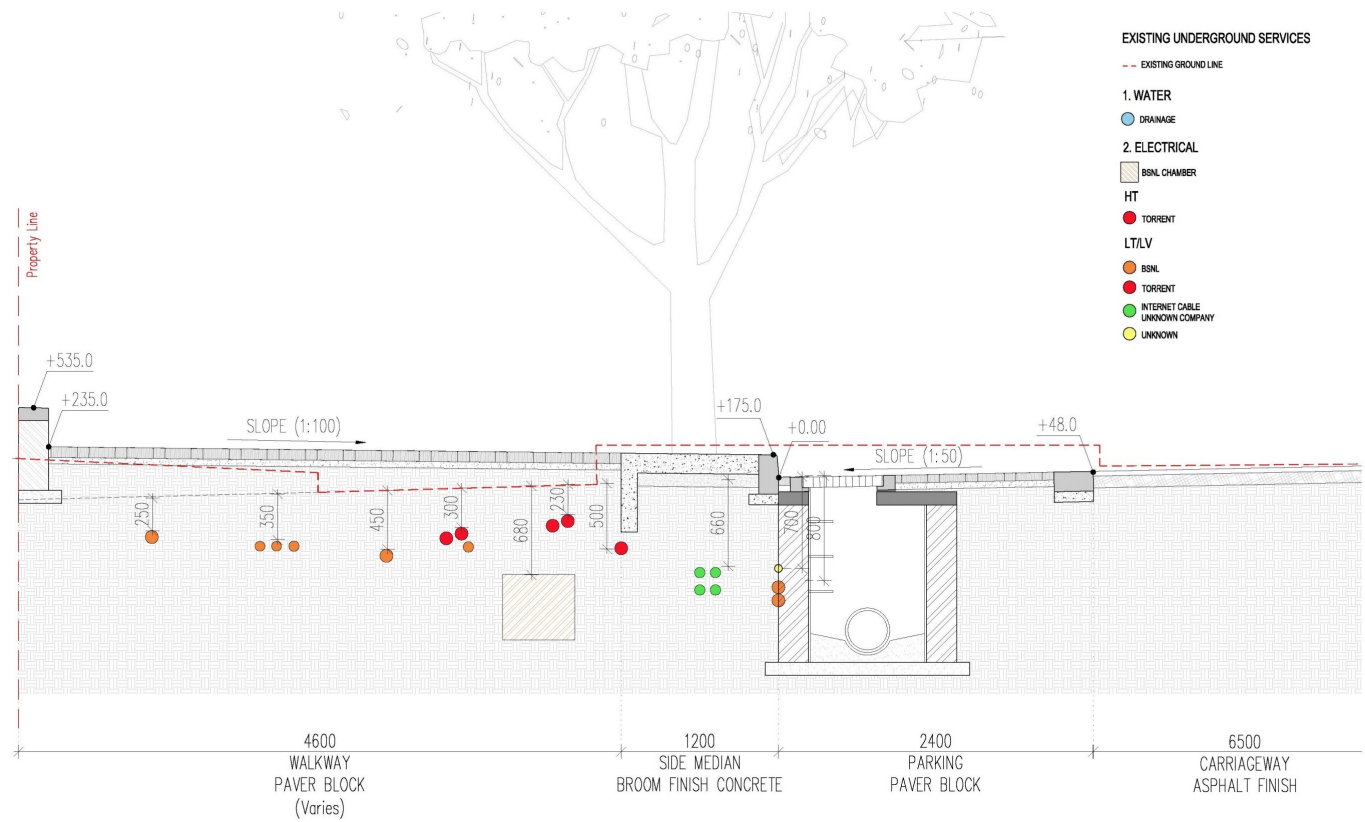


Underground Infrastructure (existing and future)

Mapping of Existing Utilities



Integrating with Design



Integrating with Design



Simple and Robust Detailing

Street Elements: Categorized by typology

UTILITY

Storm water
Network (Catch-
pit & Cover)

Underground /
Overhead
Utilities
Augmentation

Utility Structures
(Section Feeder
Pillars)

SOFTSCAPE

Tree Pit

Tree Guards

Pre-cast Planters

Tree Species

Plant Species

HARDSCAPE

Kerbing

Boundary Wall

Paving

Railing

Cycle Lane

Pedestrian
Crossing

Thermo-Plast
Paint

ON-STREET

Bollards

Bench

Dustbin

Light Poles

Light Fixtures

Signages

Public Transport
Shelter

Vending Kiosks

Smart Pole

Advertising Boards

Gantry Structure

Street Elements: Sequence / Priority

1

Kerbing

Boundary wall

Paver blocks

Bollards

Storm water
Network (Catch
Pit & Drain)

Underground /
Overhead
Utilities
Augmentation

Utility Structures
(Section Feeder
Pillars)

2

Tree Pit
Tree Guards
Tree Species

Bench

Dustbin

Light Poles

Light Fixtures

Pedestrian
Crossing

Thermo-Plast
Paint

3

Pre-cast Planters
Plant Species

Railing

Signages

Public Transport
Shelter

4

Cycling Lane

Vending Kiosks

Smart Pole

Advertising
Boards

Gantry Structure

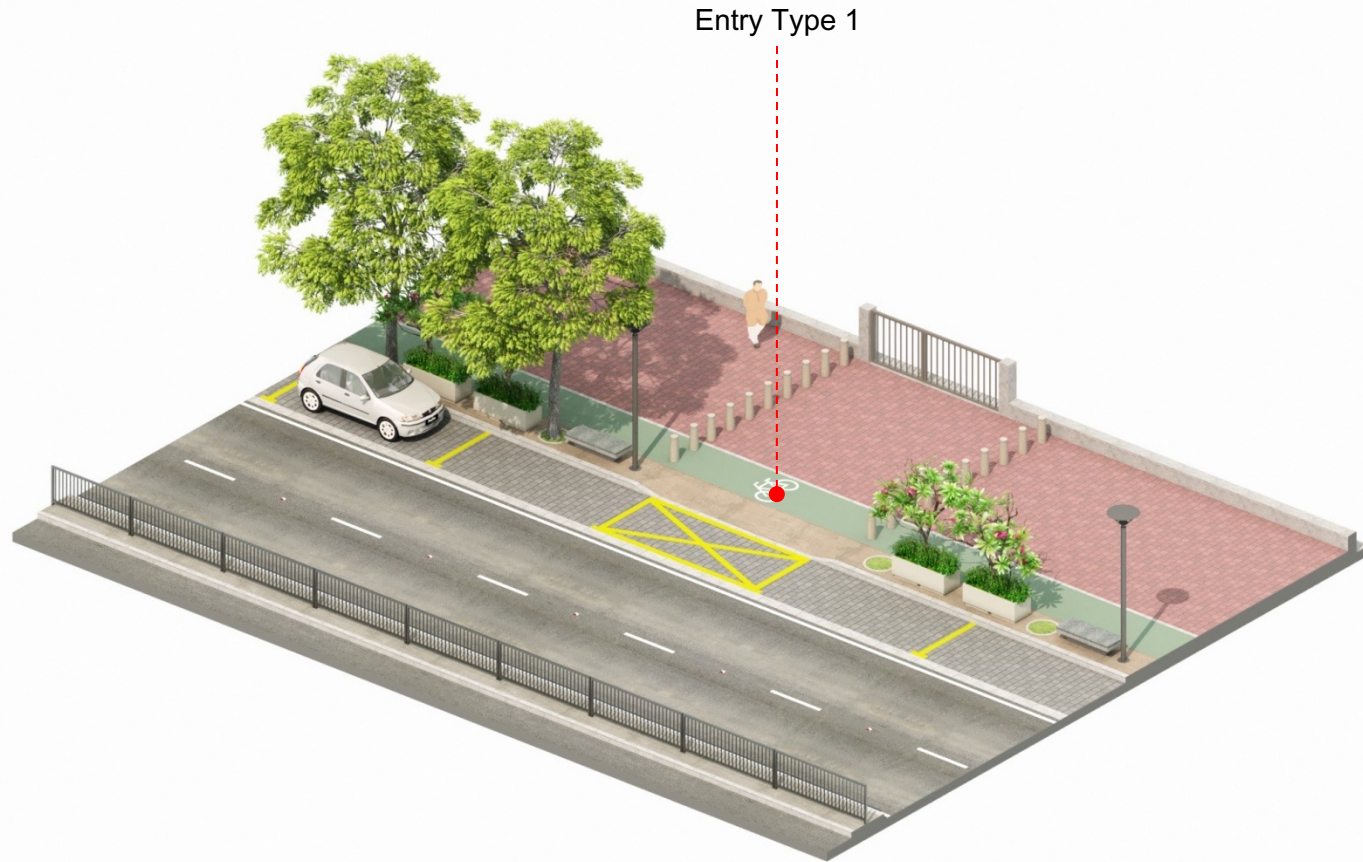
Property Entrance



Property Entrance



Property Entrance



Property Entry : Policies

Regulations for vehicular entry to Individual/ Private Plots for C G Road 4 Refurbishment Project at Ahmedabad

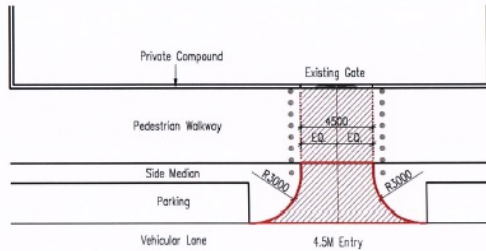
The following strategies shall be followed:

1 Entry to Individual Property

Each Plot and Building shall have at least one dedicated hindrance-free entry of clear 4.5 m wide.

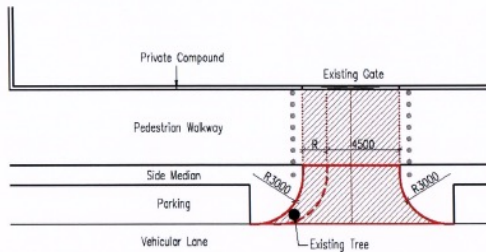
2 Size and Alignment of Entry

The entry to every individual/ private plot of clear 4.5m shall be aligned to the center line of the existing gate.



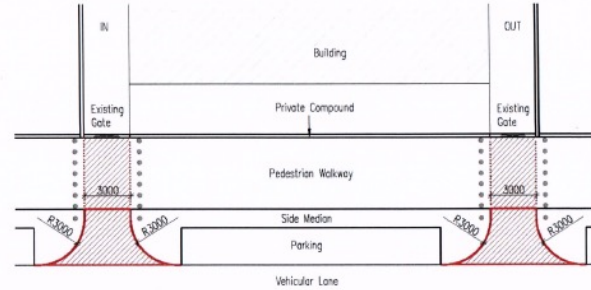
3 In case of Vertical, Immovable Element

In case of any vertical and immovable element such as tree, the dedicated hindrance-free entry shall be given of clear 4.5 m.



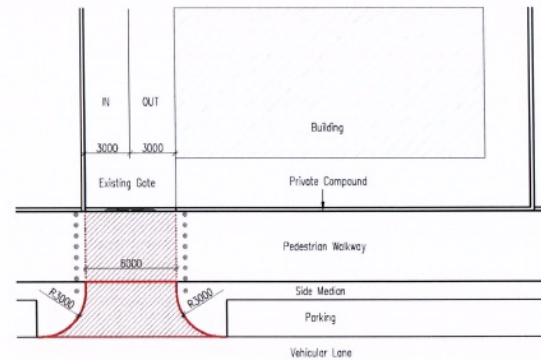
4 In case of separate In and Out for vehicles

In case of individual entry (In) and exit (Out) to parking, individual dedicated entry of 3.0m and exit of 3.0m shall be given for vehicular movement.



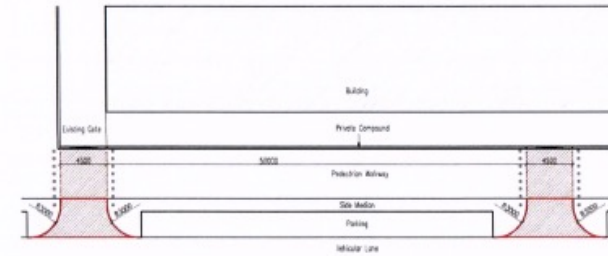
5 In case of combined In and Out for vehicles

In case of combined entry (In) and exit (Out) to parking, the entry shall be given of clear 6.0m for vehicular movement.



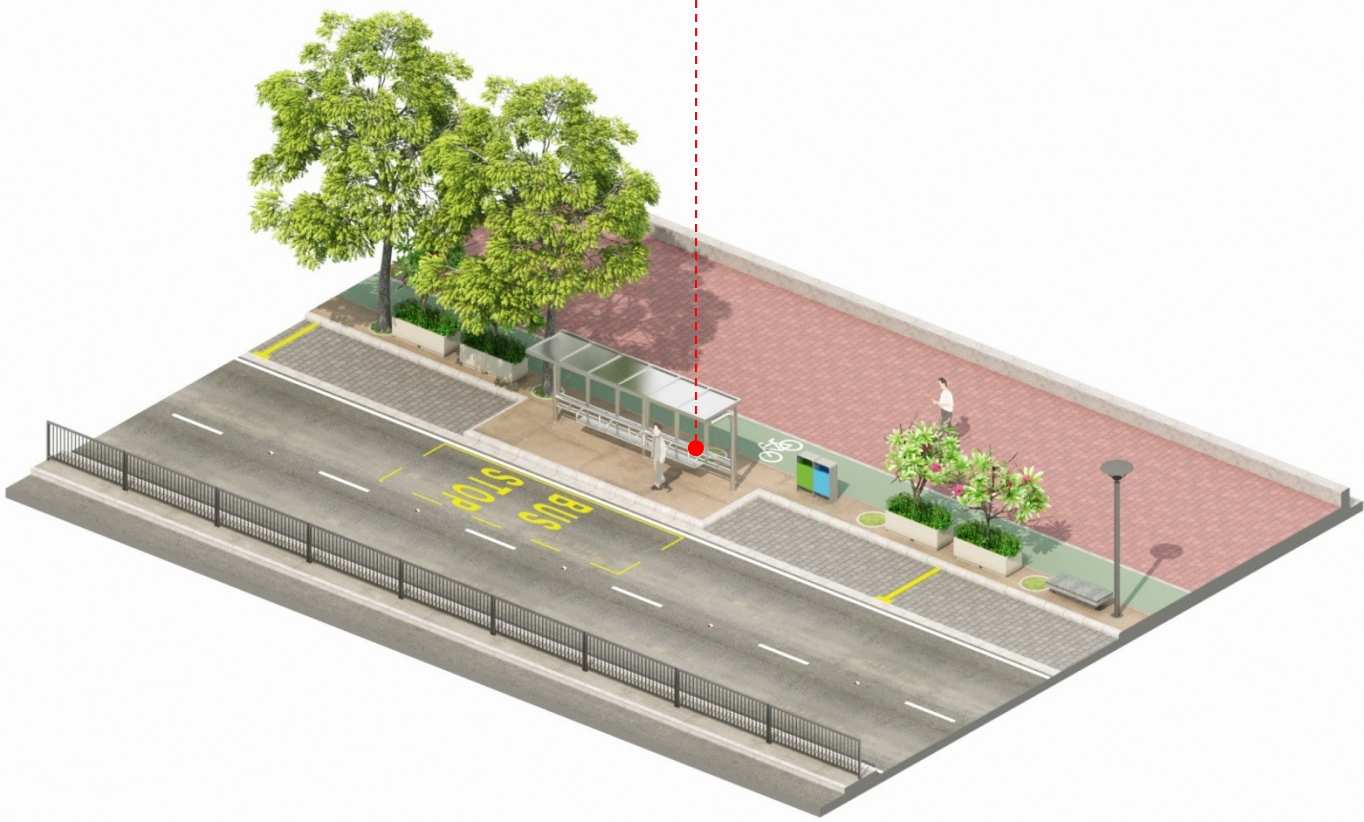
6 In case of requirement of second entry to the plot

In case of longer frontage of the building, the minimum distance between two entries shall be 50m.



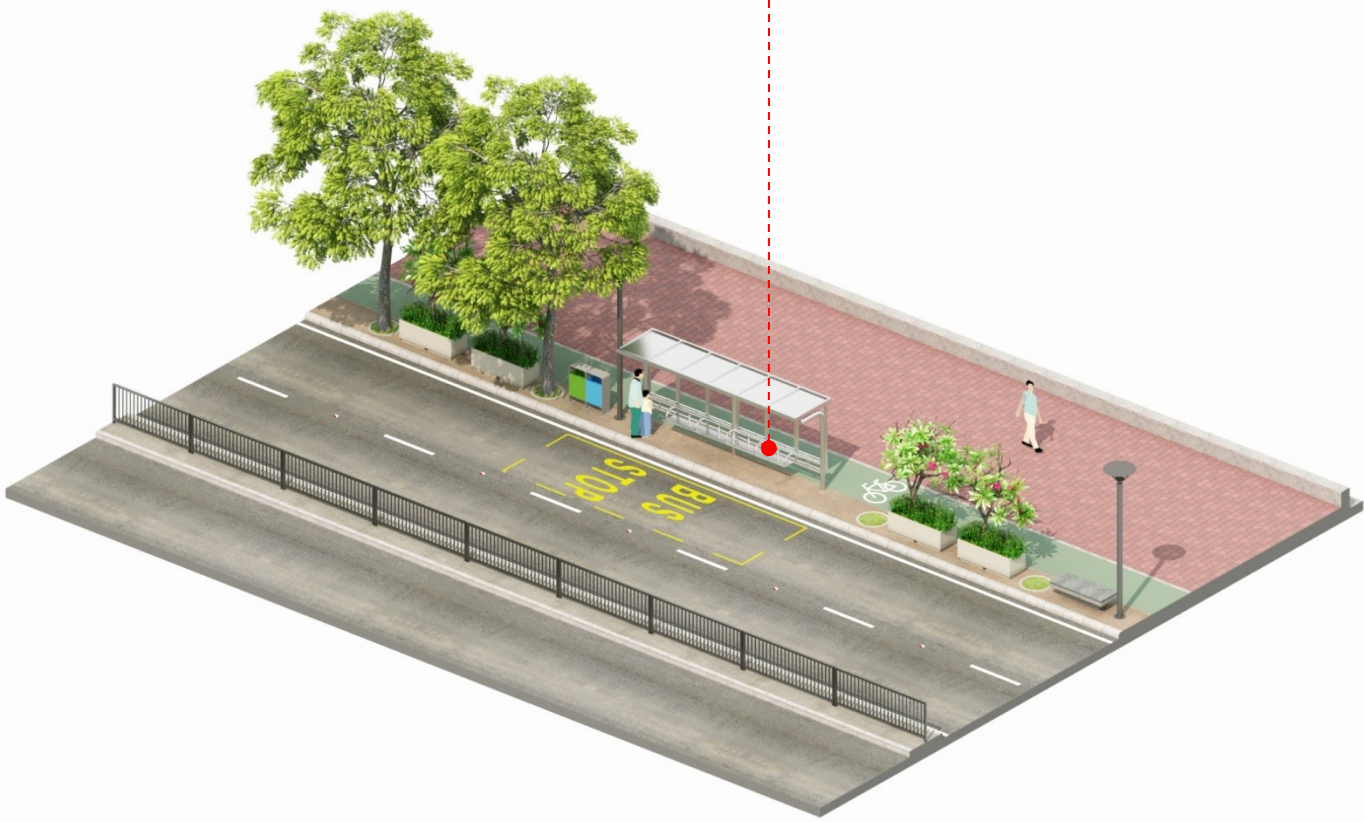
Bus Shelter

Bus Shelter



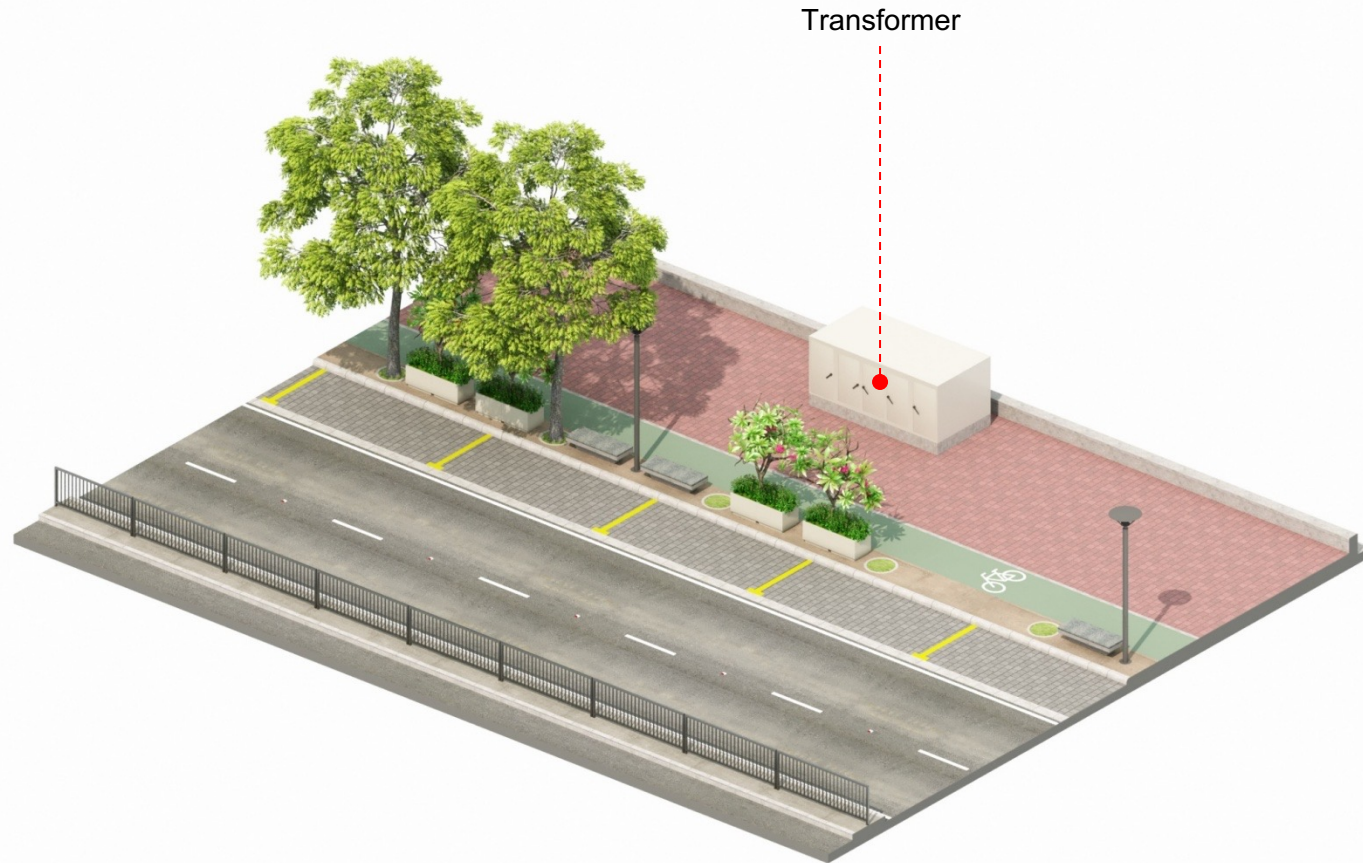
Bus Shelter

Bus Shelter

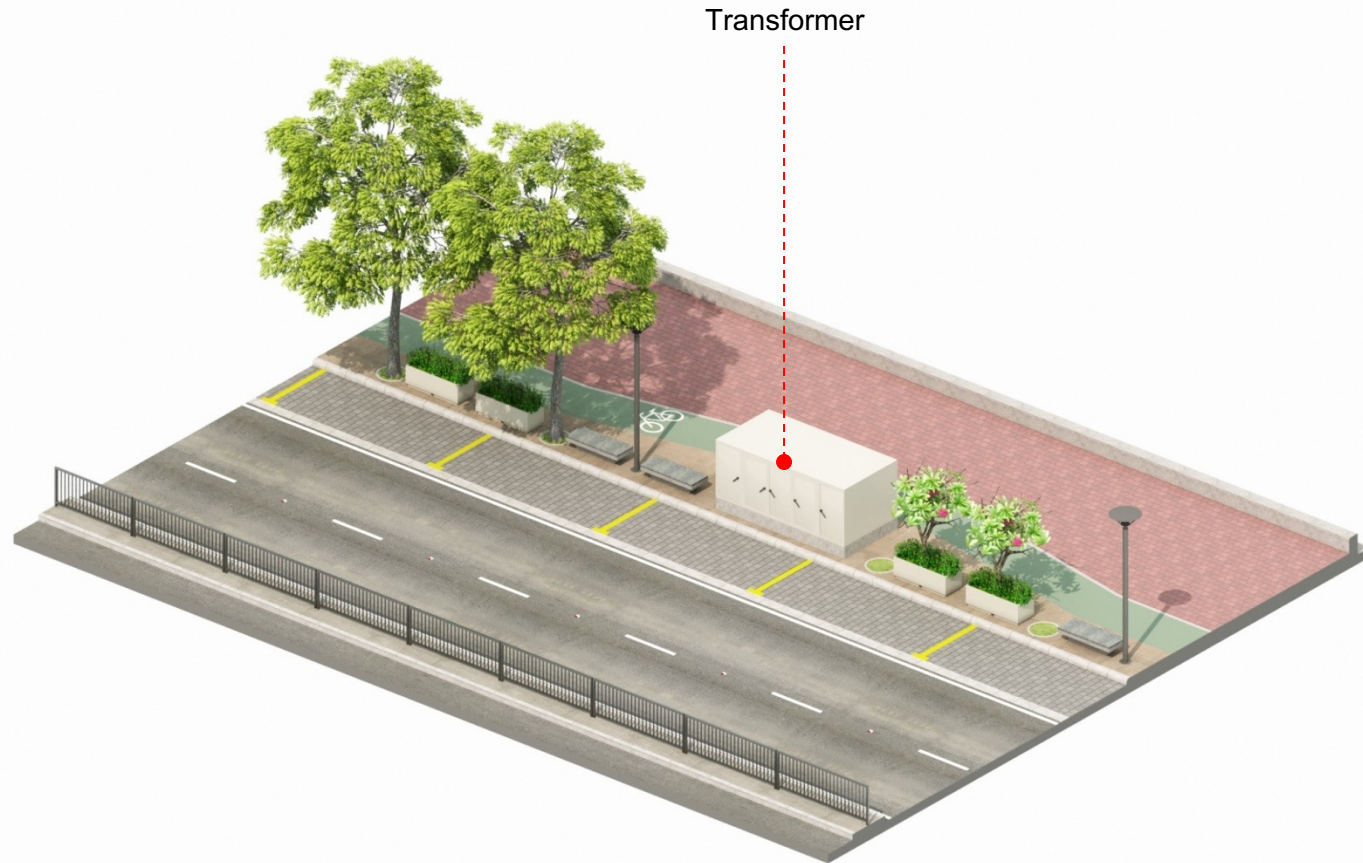


2.b. Project Design

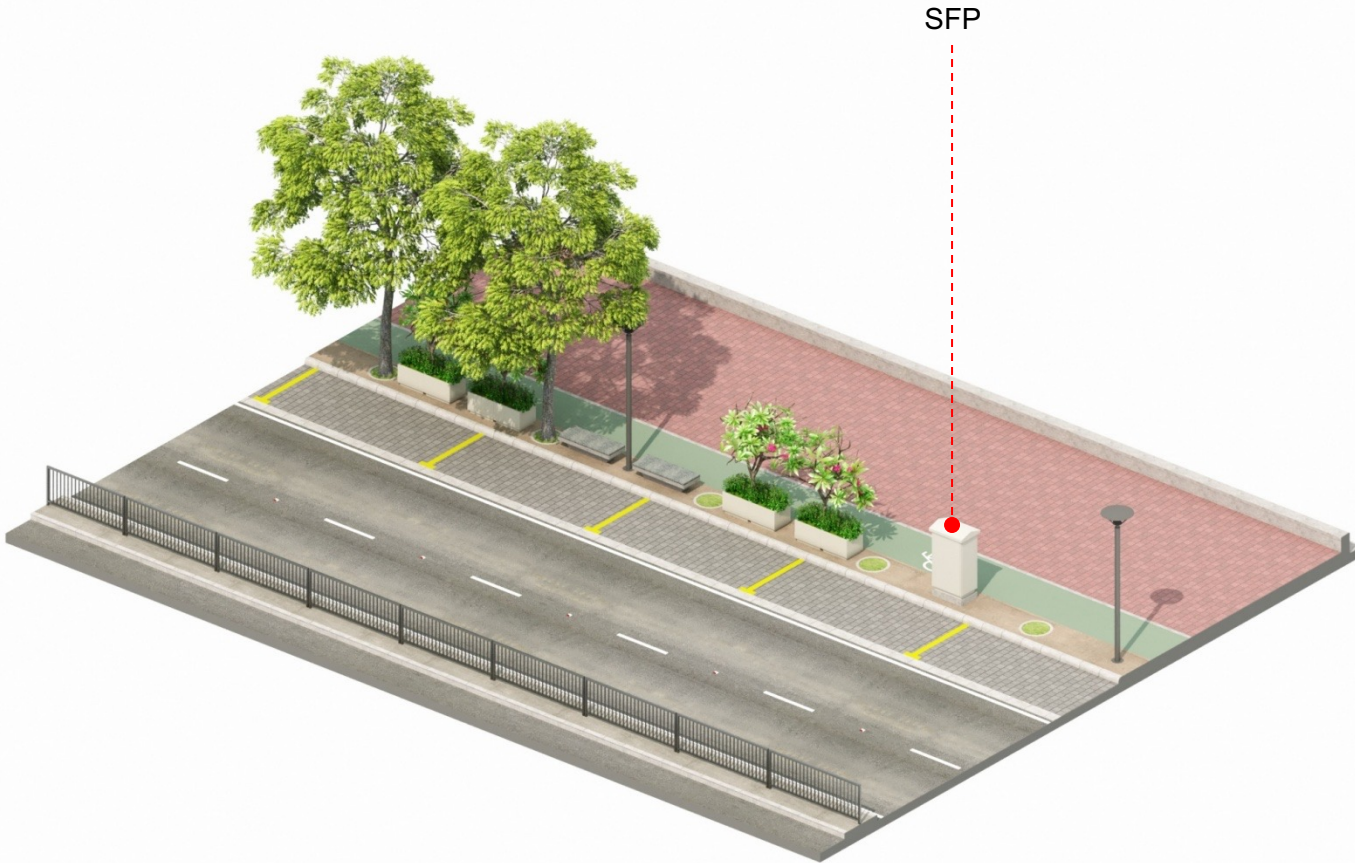
Transformer



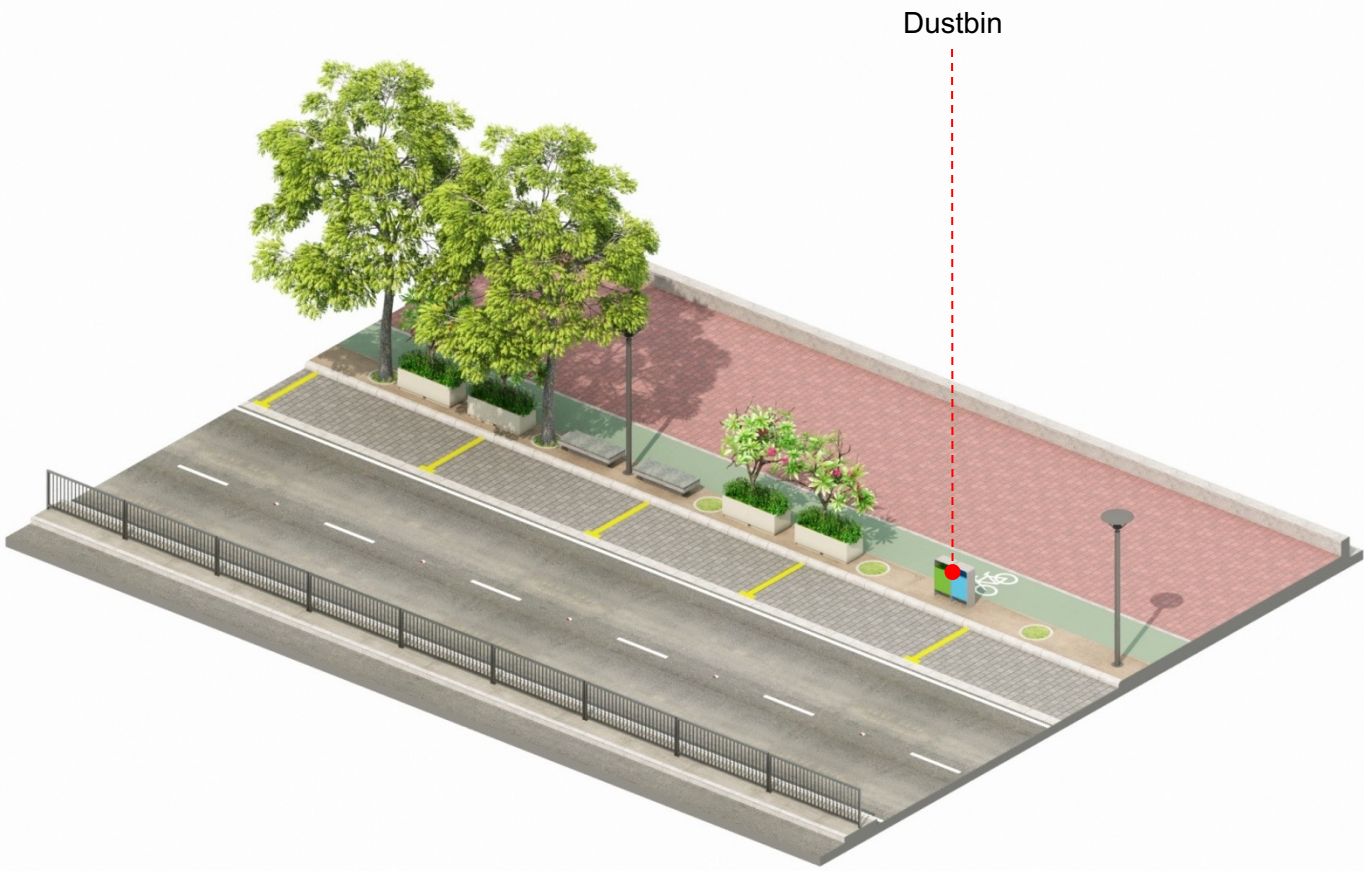
Utility Control Boxes



Utility Control Boxes

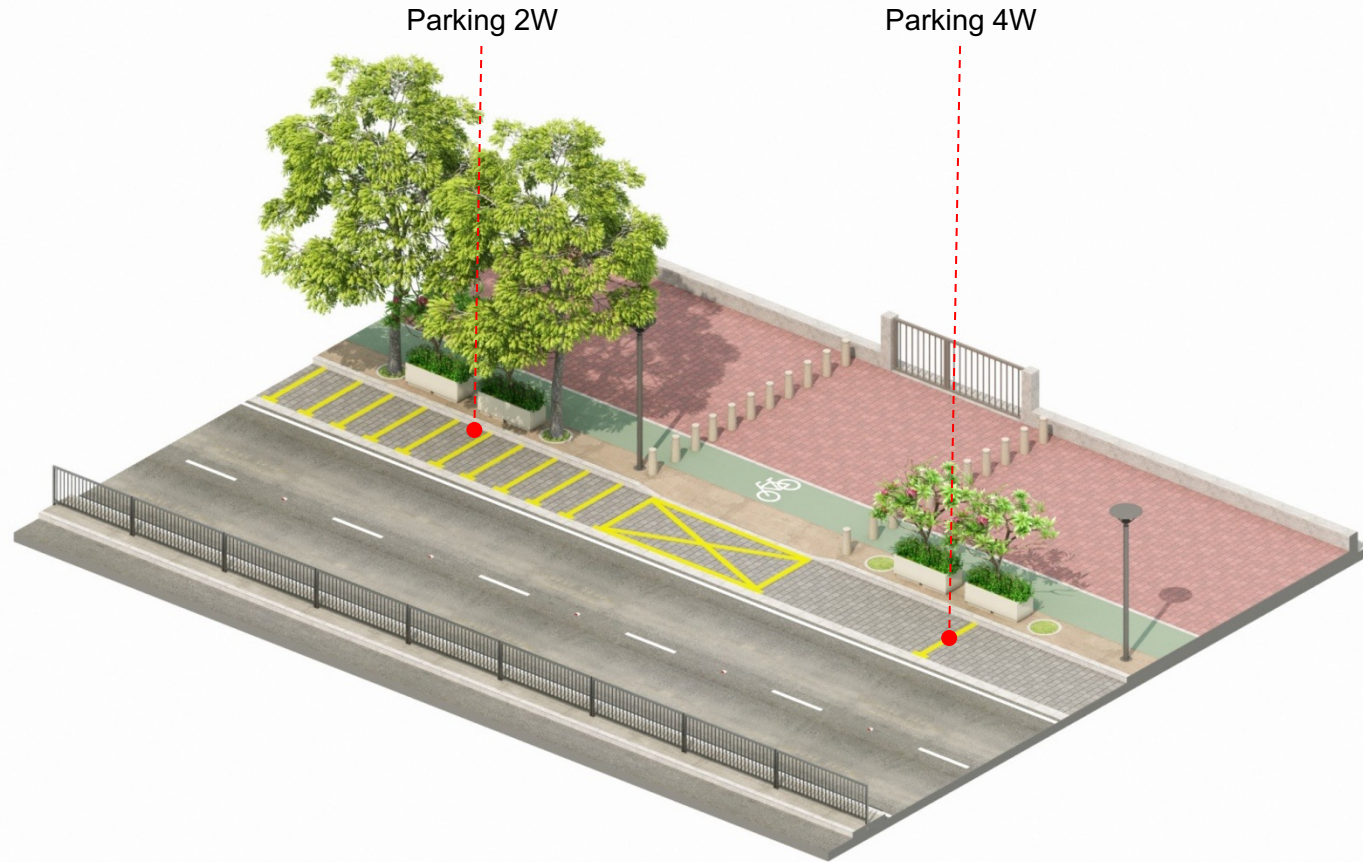


Dustbins



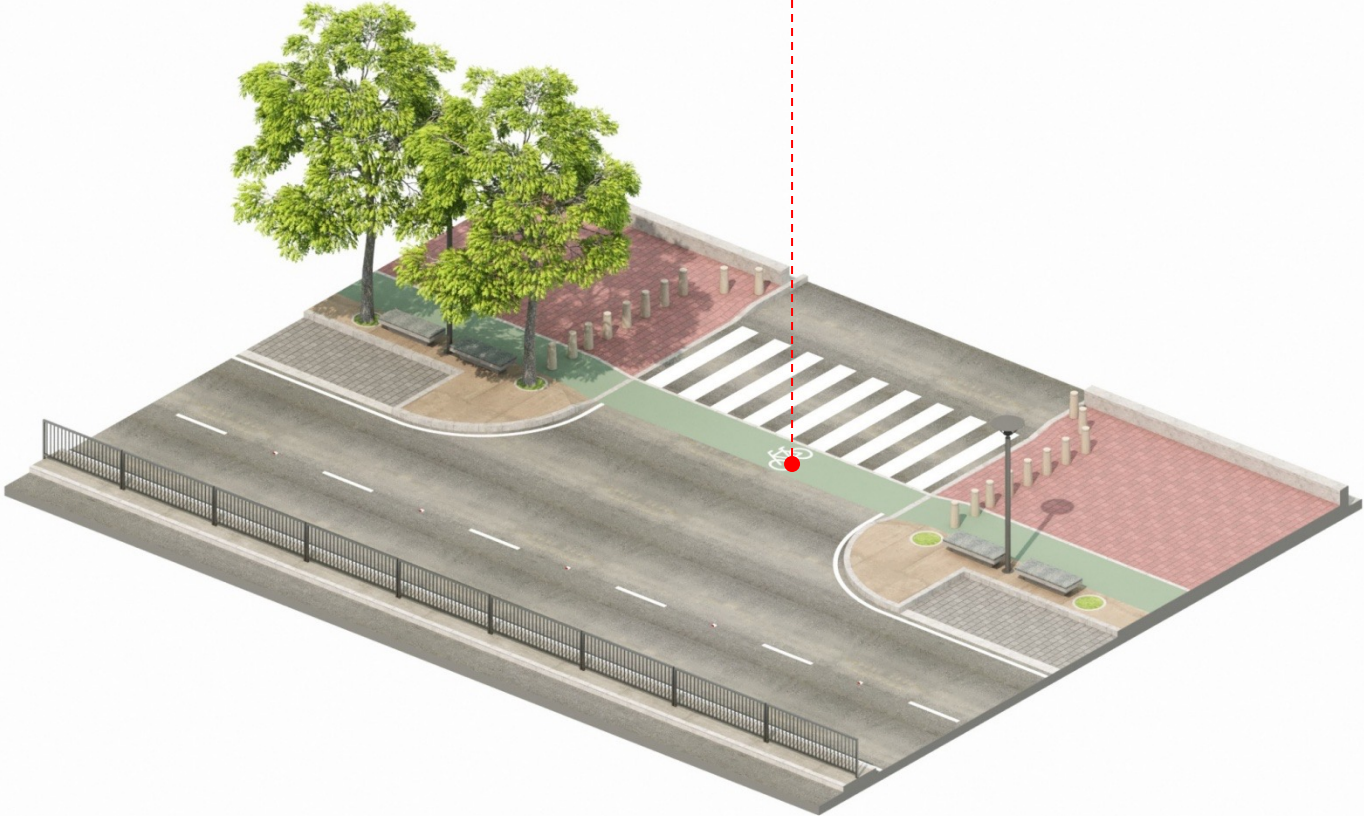
Dustbin

Parking / No Parking



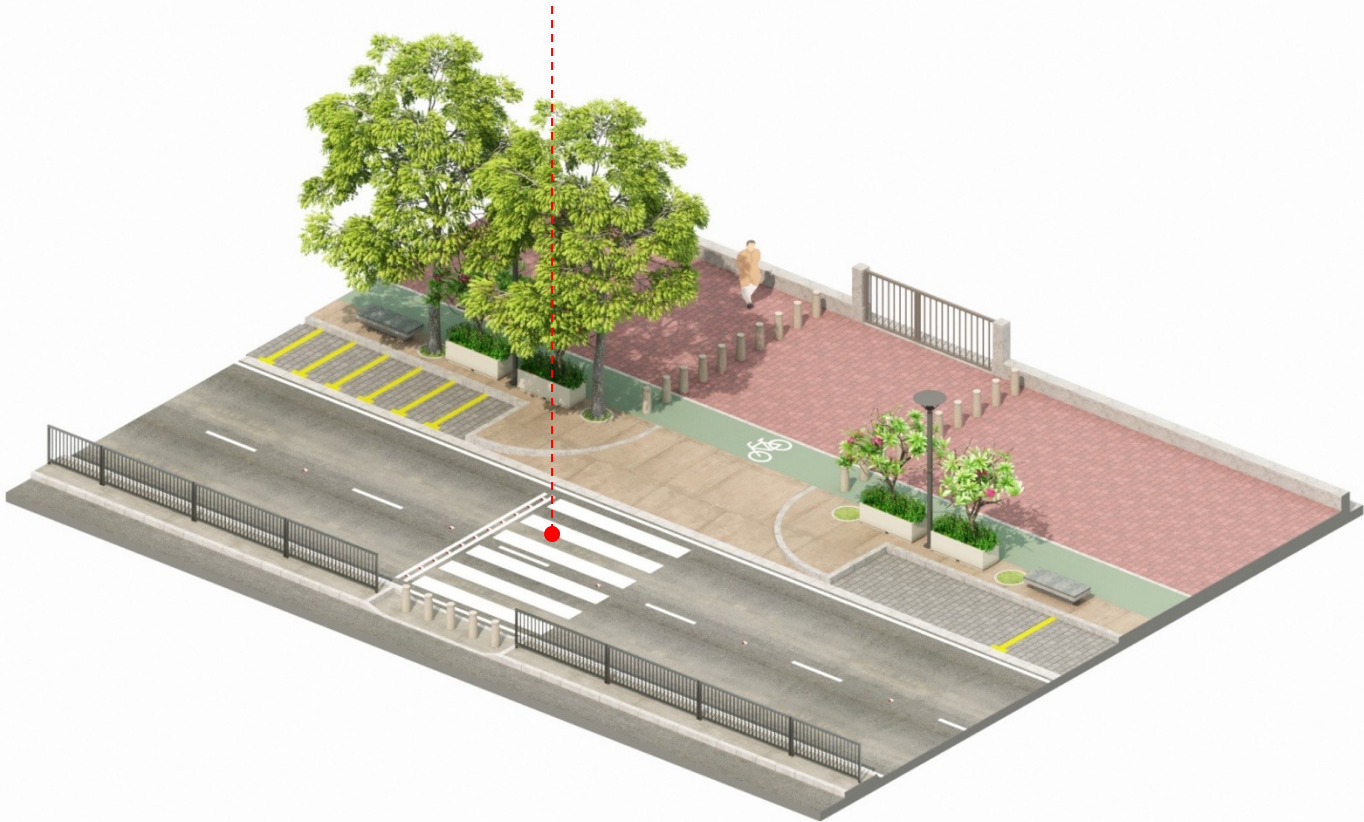
Entry to Connecting Street

Entry to Connecting Street

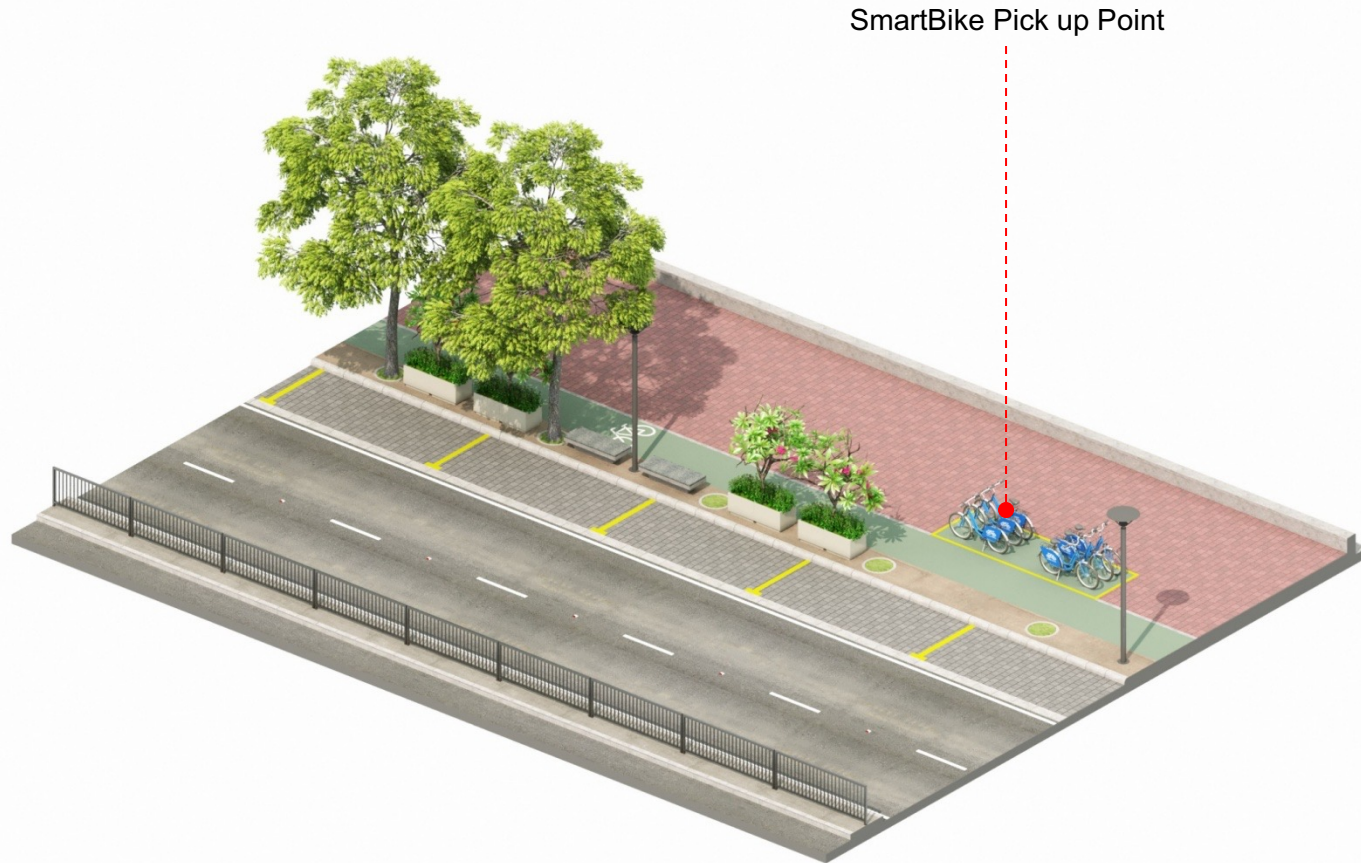


Mid-block Pedestrian Crossing

Pedestrian Crossing



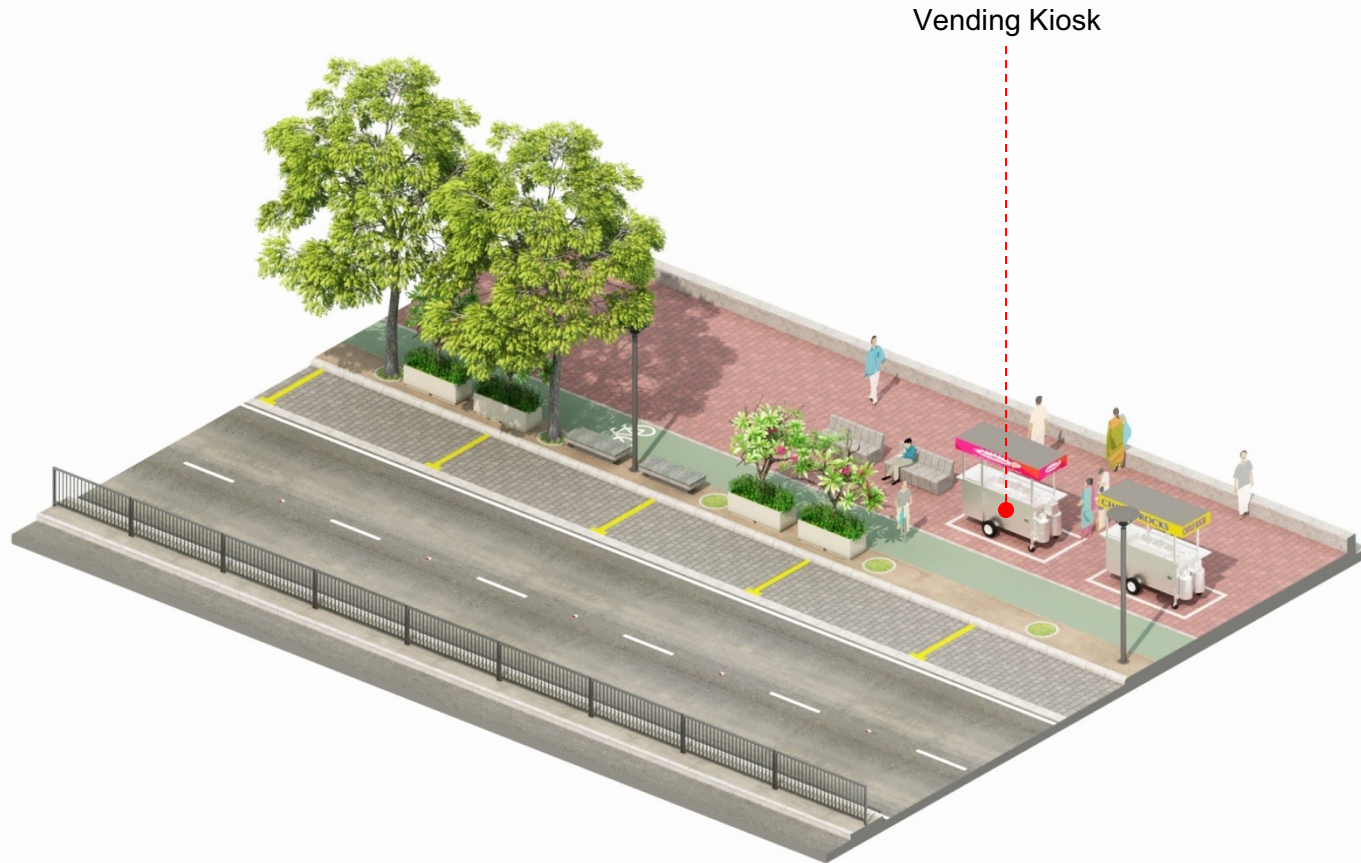
Cycle Parking



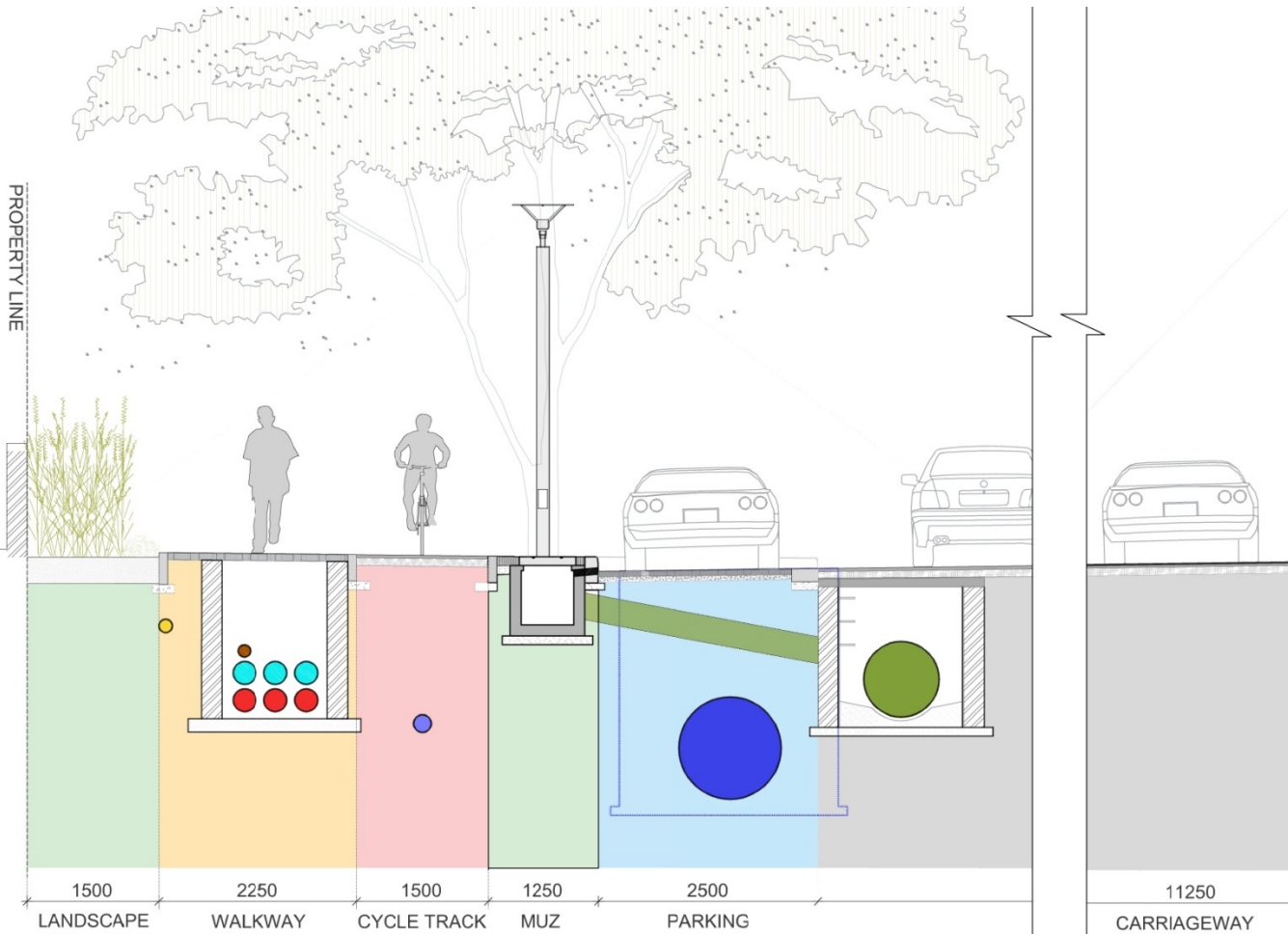
Public Toilet



Vending Kiosk



Integration of Underground Services

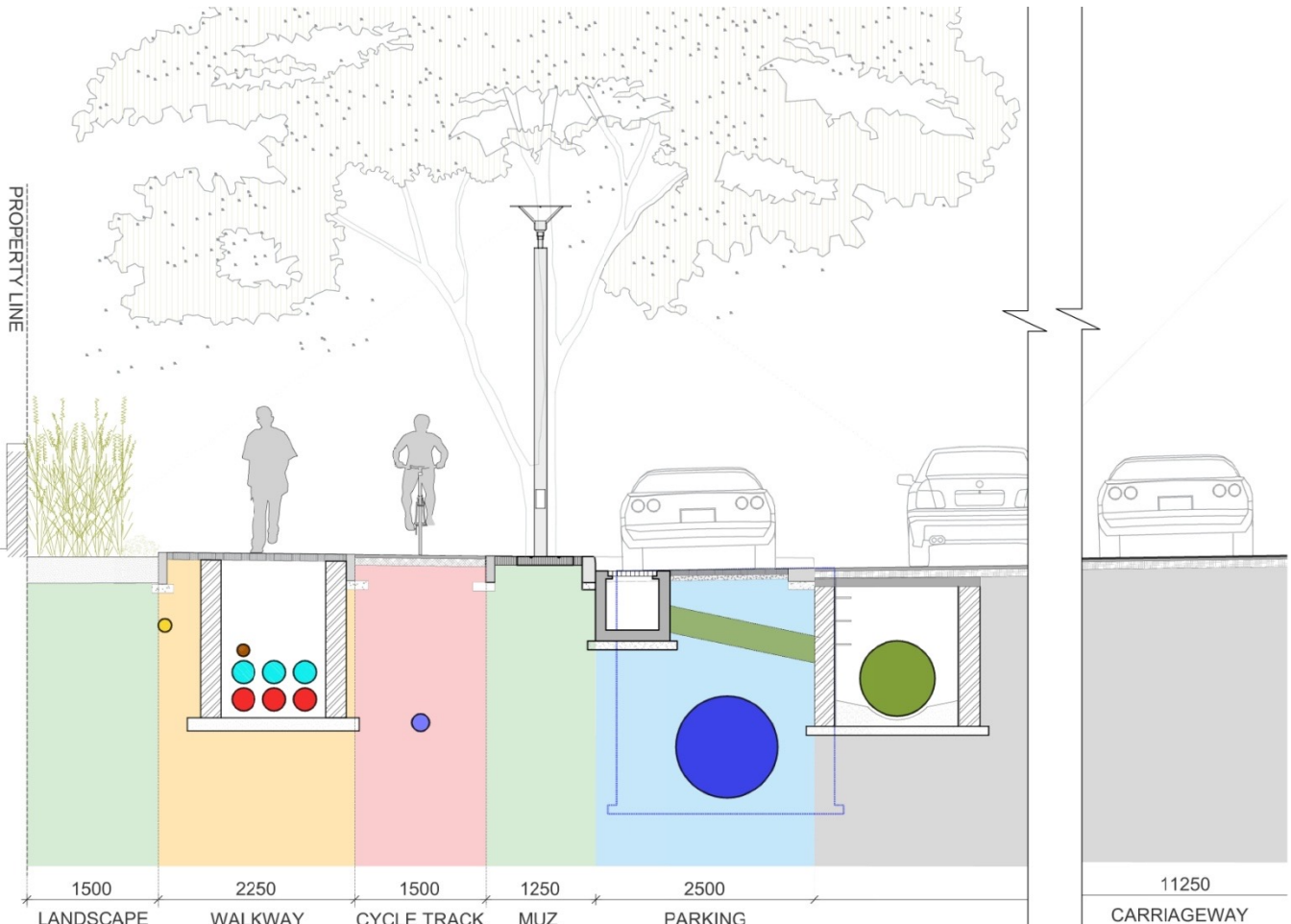


- LEGEND**
- EXISTING**
- DRAINAGE NETWORK
 - GAS NETWORK
- PROPOSED**
- STORM WATER NETWORK
 - WATER SUPPLY NETWORK
 - HT LINE
 - LT LINE
 - DATA FIBER LINE

PROPOSED SECTION
SHELA GHUMA PROJECT

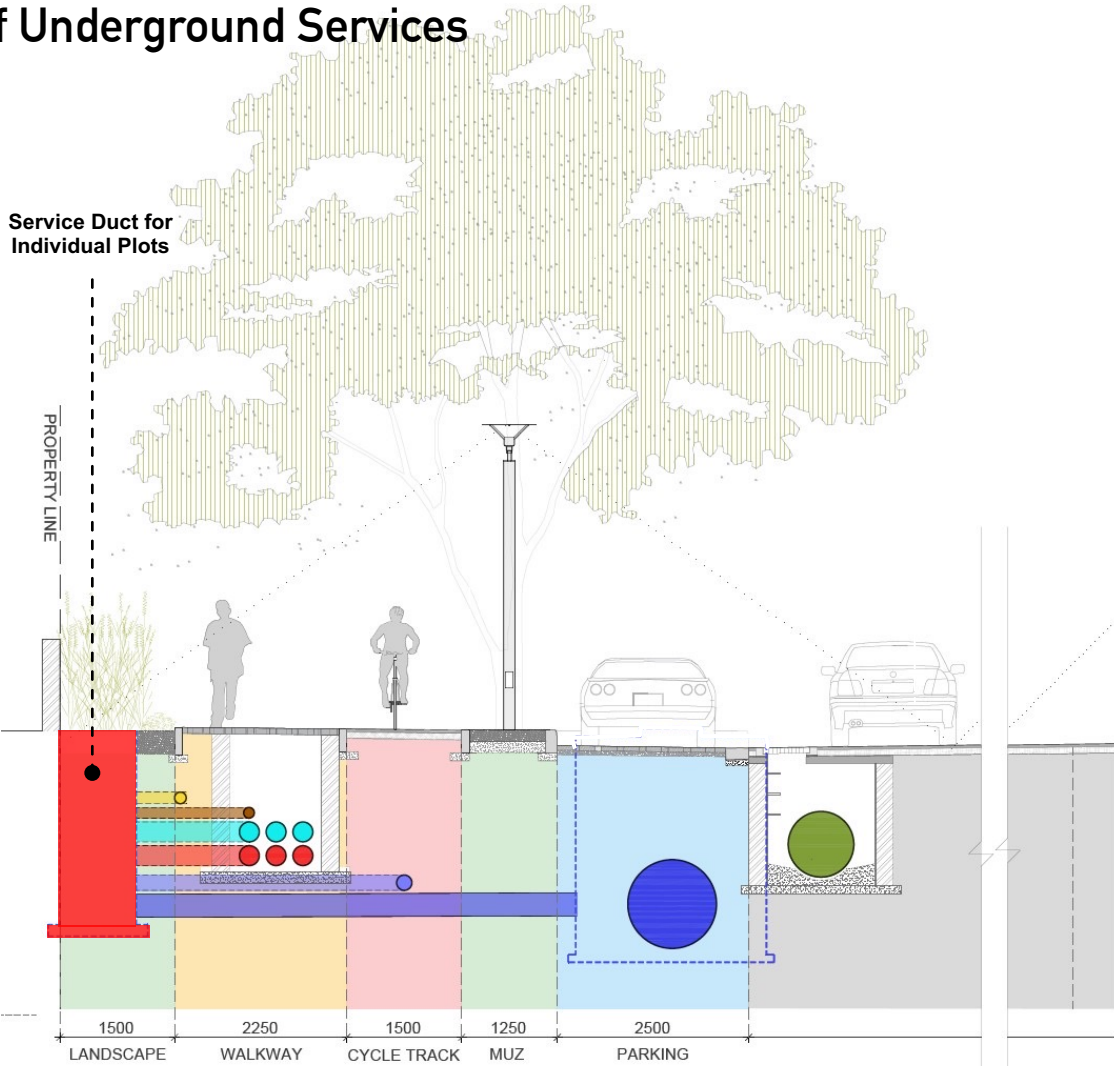
SCALE 1:50

Integration of Underground Services

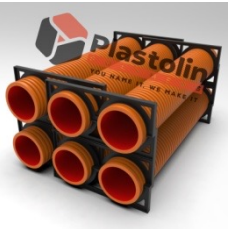


- LEGEND**
- EXISTING**
- DRAINAGE NETWORK
 - GAS NETWORK
- PROPOSED**
- STORM WATER NETWORK
 - WATER SUPPLY NETWORK
 - HT LINE
 - LT LINE
 - DATA FIBER LINE

Integration of Underground Services



7 Way Multi Duct



DWC Spacers

LEGEND

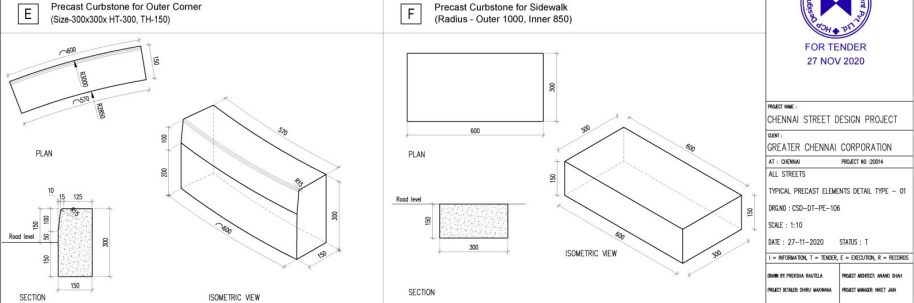
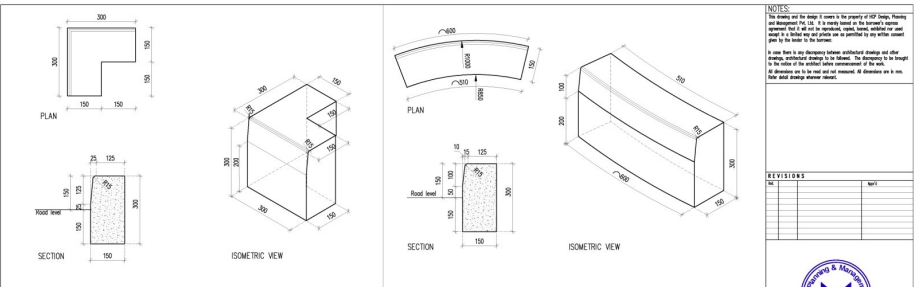
EXISTING

- DRAINAGE NETWORK
- GAS NETWORK

PROPOSED

- STORM WATER NETWORK
- WATER SUPPLY NETWORK
- HT LINE
- LT LINE
- DATA FIBER LINE

Modular Pre-cast Curb Stones



E Precast Curbstone for Outer Corner (Size-300x300x HT-300, TH-150)

F Precast Curbstone for Sidewalk (Radius - Outer 1000, Inner 850)

G Precast Curbstone for Sidewalk (Radius - Outer 3000, Inner 2850)

H Precast Curbstone for Parking (Size-600x300x150)

NOTES:
 The details and the design shown in the presence of ICF Slabs, Forming and Shuttering shall be subject to the approval of the respective Engineer-in-charge. The design shall be subject to the approval of the respective Engineer-in-charge. The design shall be subject to the approval of the respective Engineer-in-charge. The design shall be subject to the approval of the respective Engineer-in-charge.

REVISIONS

NO.	DATE	REVISION

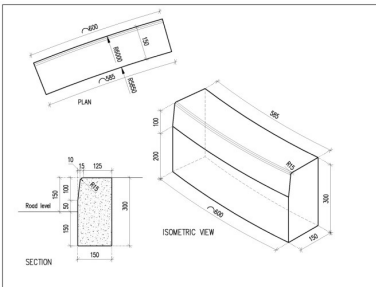


FOR TENDER
27 NOV 2020

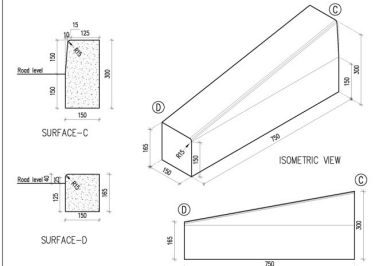
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CLIENT: GREATER CHENNAI CORPORATION
DATE: 27-11-2020
SCALE: 1:10
DATE: 27-11-2020
STATUS: T
SCALE: 1:10
DATE: 27-11-2020
STATUS: T

DESIGNER: M/S. P. S. ENGINEERS & ARCHITECTS
PROJECT ADDRESS: ANAND SWAMI
PROJECT ADDRESS: ANAND SWAMI

FOR TENDER
27 NOV 2020

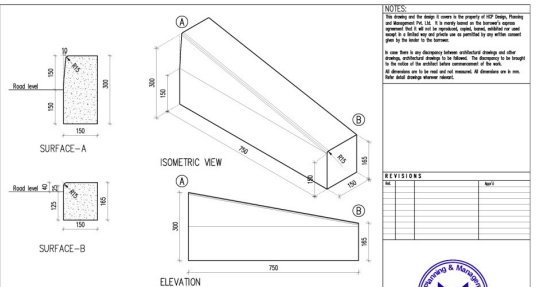


J Precast Curbstone for Sidewalk (Radius-Outer 6000, Inner 5850)



K Precast Block for Kerb Cut (LH) (Size-750x150x300/165HT)

L Precast Block for Kerb Cut (RH) (Size-750x150x300/165HT)



K Precast Block for Kerb Cut (LH) (Size-750x150x300/165HT)

L Precast Block for Kerb Cut (RH) (Size-750x150x300/165HT)

PROJECT NAME: CHENNAI STREET DESIGN PROJECT
CLIENT: GREATER CHENNAI CORPORATION
DATE: 27-11-2020
SCALE: 1:10
DATE: 27-11-2020
STATUS: T
SCALE: 1:10
DATE: 27-11-2020
STATUS: T

DESIGNER: M/S. P. S. ENGINEERS & ARCHITECTS
PROJECT ADDRESS: ANAND SWAMI
PROJECT ADDRESS: ANAND SWAMI

FOR TENDER
27 NOV 2020

NOTES:
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REVISIONS

NO.	DATE	REVISION



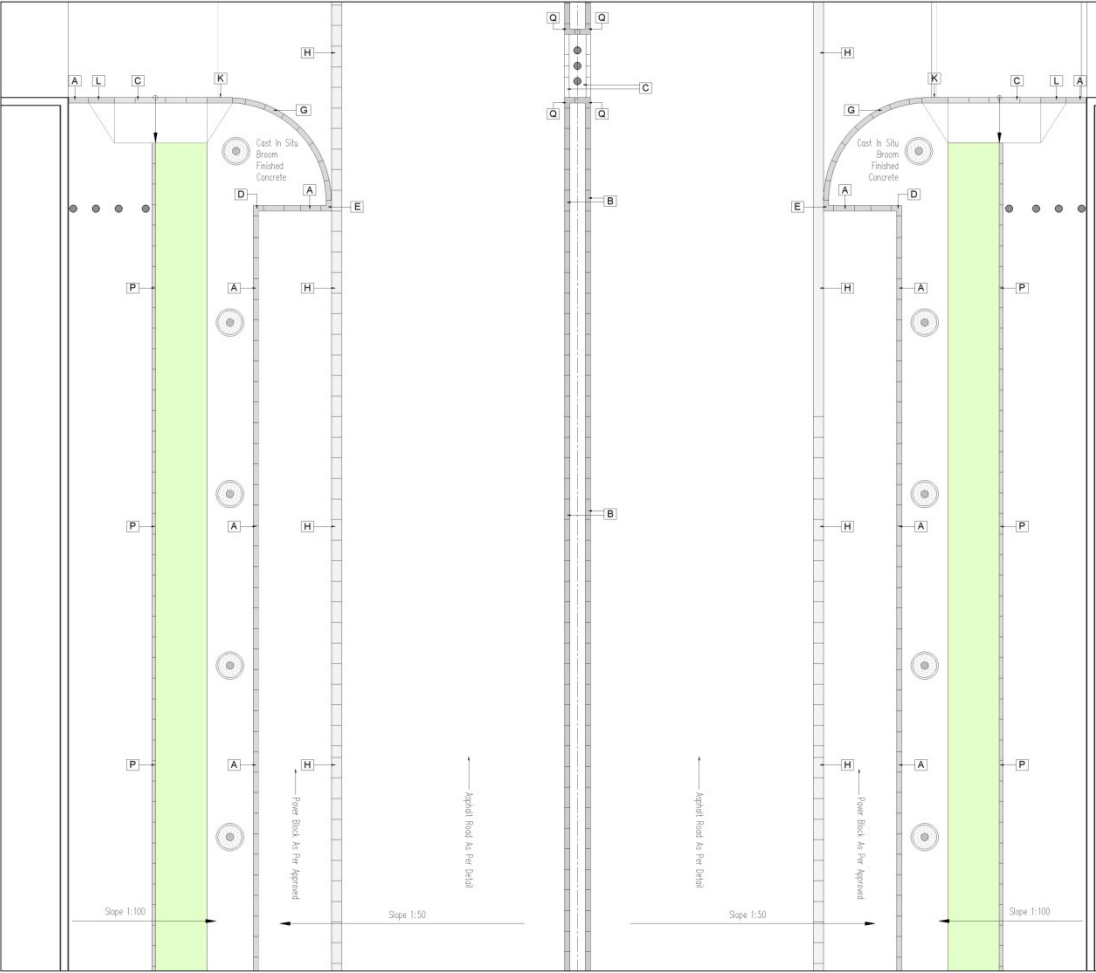
FOR TENDER
27 NOV 2020

PROJECT NAME: CHENNAI STREET DESIGN PROJECT
CLIENT: GREATER CHENNAI CORPORATION
DATE: 27-11-2020
SCALE: 1:10
DATE: 27-11-2020
STATUS: T
SCALE: 1:10
DATE: 27-11-2020
STATUS: T

DESIGNER: M/S. P. S. ENGINEERS & ARCHITECTS
PROJECT ADDRESS: ANAND SWAMI
PROJECT ADDRESS: ANAND SWAMI

FOR TENDER
27 NOV 2020

Assembly



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 All dimensions are to be read and not measured. All dimensions are in mm. Refer detail drawings wherever relevant.

REVISIONS

Sl. No.	Description	Date



FOR TENDER
27 NOV 2020

PROJECT NAME :
 CHENNAI STREET DESIGN PROJECT

CLIENT :
 GREATER CHENNAI CORPORATION

AT : CHENNAI **PROJECT NO :** 20014

ALL STREETS

TYPICAL CURB LOCATION PLAN

DRGNO : CS0-DT-CU-110

SCALE : 1:10

DATE : 27-11-2020 **STATUS :** T

I = INFORMATION, T = TENDER, E = EXECUTION, R = RECORDS

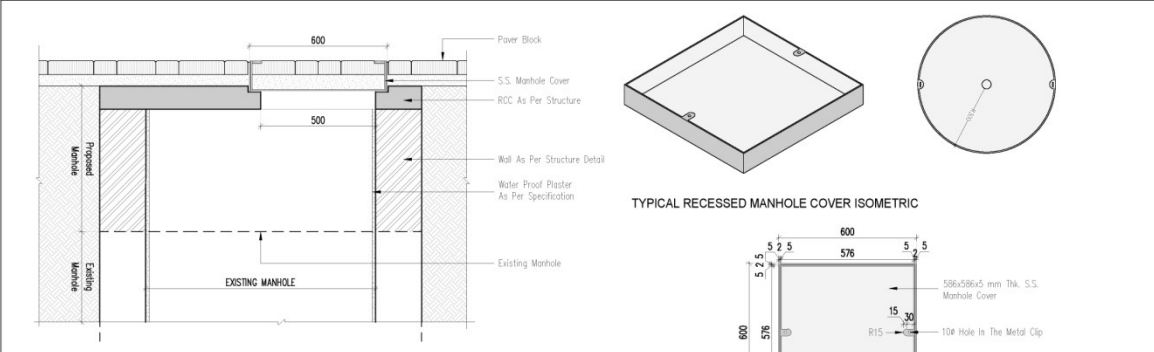
DRAWN BY: PREKSHA RAUTELA **PROJECT ARCHITECT:** ANAND SHAIK

PROJECT DESIGNER: SHIRU MANKANNA **PROJECT MANAGER:** NIKET JAIN

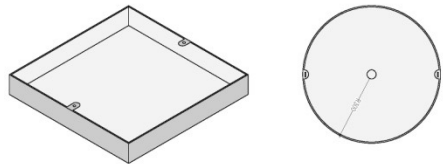
HCP DESIGN, PLANNING AND MANAGEMENT PRIVATE LIMITED
 Plot: 108, Jambhvanpura, Ahmedabad-380 013, Gujarat, INDIA
 (079) 27559878 Fax: (079) 27559214 hcp@hcdpm.com

21-11-2020 04:26PM

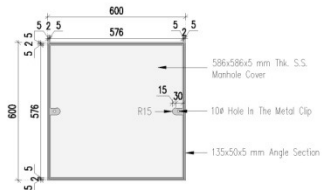
Chamber Covers



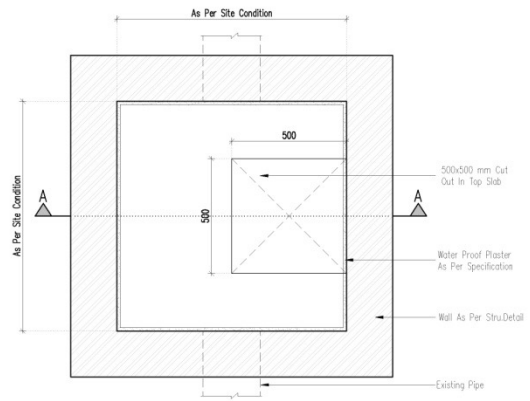
SECTION A-A



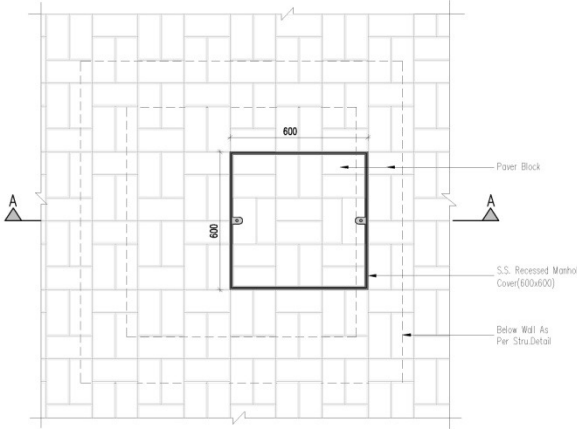
TYPICAL RECESSED MANHOLE COVER ISOMETRIC



TYPICAL RECESSED MANHOLE COVER PLAN



WALL LEVEL PLAN



PAVER BLOCK SURFACE@TOP LEVEL PLAN

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REVISIONS		
Ref.	Date	Description



FOR TENDER
27 NOV 2020

PROJECT NAME :
CHENNAI STREET DESIGN PROJECT

CLIENT :
GREATER CHENNAI CORPORATION

AT : CHENNAI PROJECT NO : 20014

ALL STREETS

TYPICAL EXISTING MANHOLE DETAIL

DRGNO : CSD-DT-MH-121

SCALE : 1:15

DATE : 27-11-2020 STATUS : T

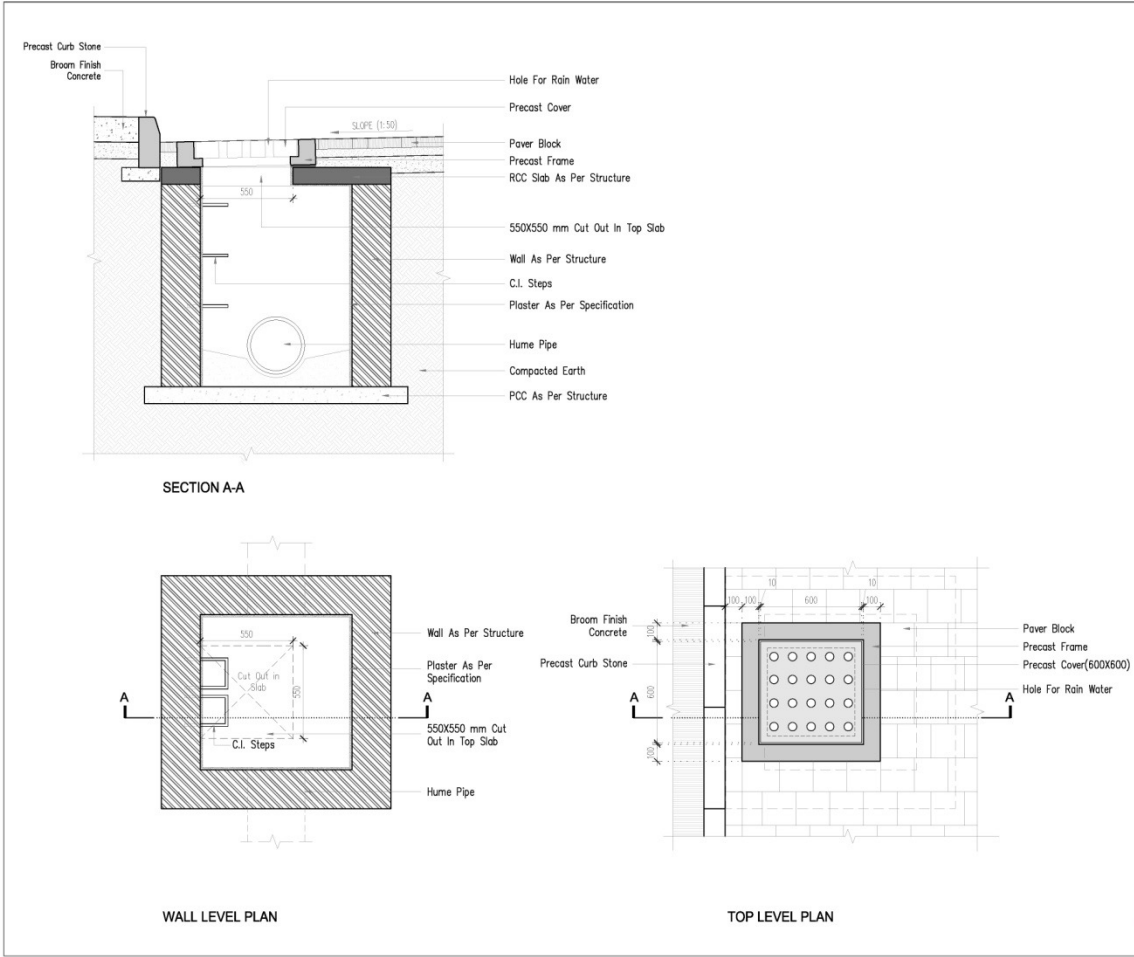
I = INFORMATION, T = TENDER, E = EXECUTION, R = RECORDS

DRAWN BY: PROKSHA RAUFELA PROJECT ARCHITECT: ANAND SHAH

PROJECT DESIGNER: DHIRU MAKINWA PROJECT MANAGER: NIKET JAIN

HCP
HCP DESIGN, PLANNING AND MANAGEMENT PRIVATE LIMITED
"Paritosh" Udamangura, Ahmedabad-380 013, Gujarat, INDIA
(079) 27550875, Fax: (079) 27552924 hcp@hcp.co.in

Chamber Covers



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REVISIONS

Ref.	Date	Description	App'd



PROJECT NAME :
 CHENNAI STREET DESIGN PROJECT

CLIENT :
 GREATER CHENNAI CORPORATION

AT : CHENNAI **PROJECT NO :** 20074

ALL STREETS

TYPICAL STORMWATER CATCHPIT DETAIL

DRGNO : CSD-DT-SW-116

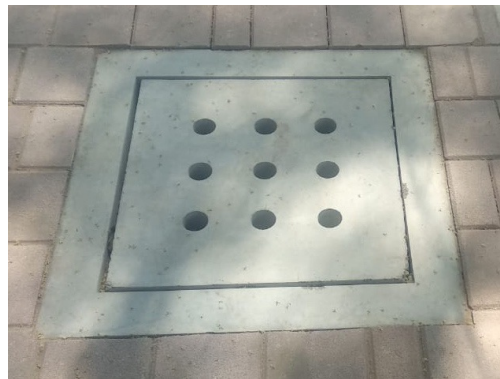
SCALE : 1:10

DATE : 27-11-2020 **STATUS :** T

I = INFORMATION, T = TENDER, E = EXECUTION, R = RECORDS

DRAWN BY: PRISHVA RAUTELA **PROJECT ARCHITECT:** ANAND SHUKLA
PROJECT DETAILER: CHIRU MAHAWANA **PROJECT MANAGER:** NIKHIL JAIN

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 "Pratiksh" Ujjanpura, Ahmedabad-380 013, Gujarat, INDIA
 (079) 27550875, Fax: (079) 27552924, hcp@hcp.co.in



Tree Pits

Hume pipe in two parts for Tree pit



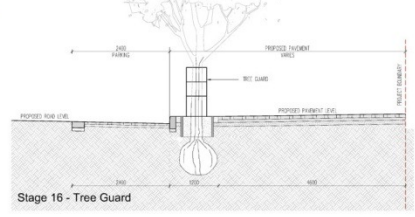
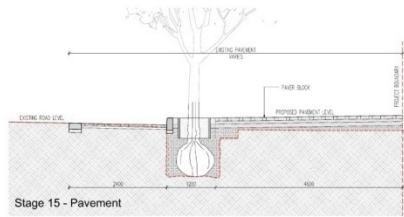
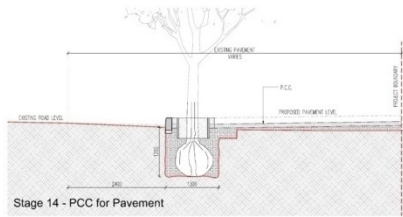
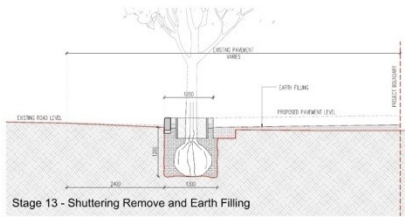
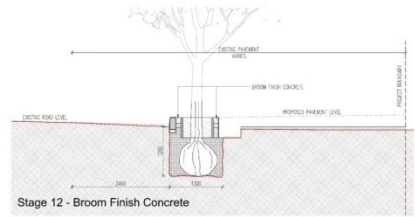
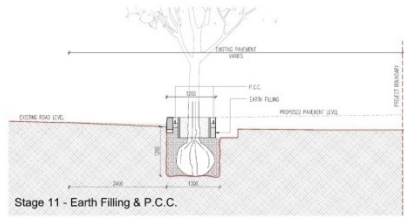
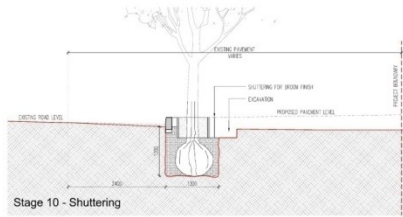
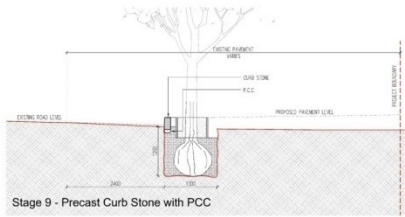
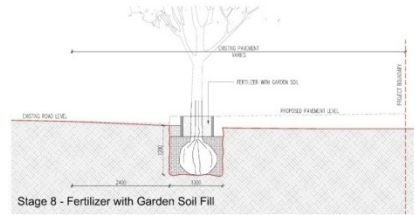
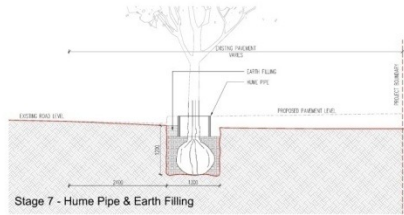
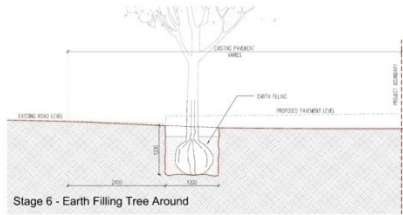
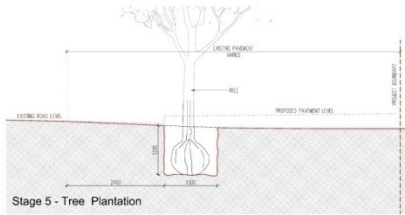
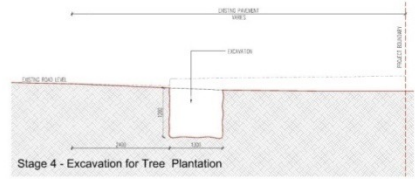
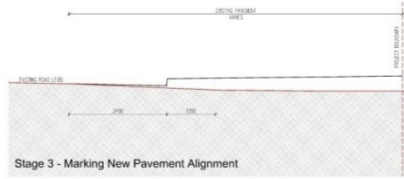
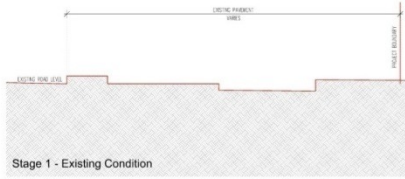
Tree Guard



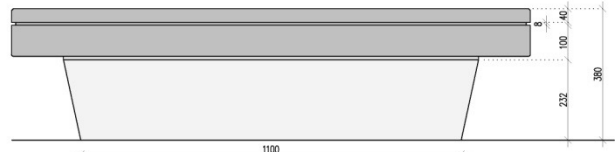
Planting mature Tree on Site



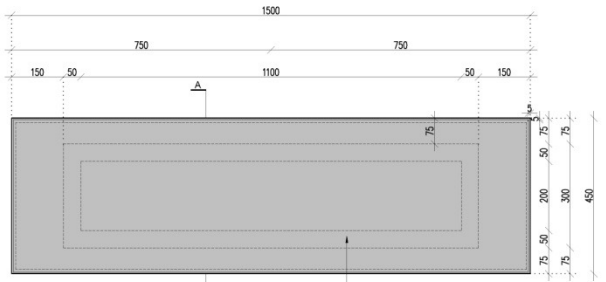
Tree Planting Method



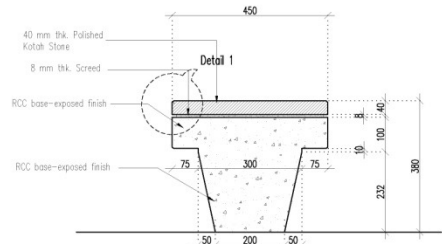
Seating



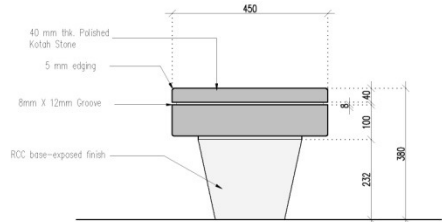
FRONT ELEVATION



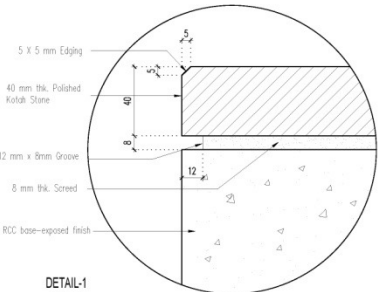
PLAN



SECTION A-A



SIDE ELEVATION



DETAIL-1
Scale: 1:2

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REVISIONS

Sl. No.	Date	Description	Appr'd

FOR TENDER
27 NOV 2020

PROJECT NAME :
CHENNAI STREET DESIGN PROJECT

CLIENT :
GREATER CHENNAI CORPORATION

AT : CHENNAI **PROJECT NO.:** 20014

ALL STREETS

TYPICAL PRECAST BENCH DETAIL

DRG.NO : CSD-DT-BE-128

SCALE : 1:10

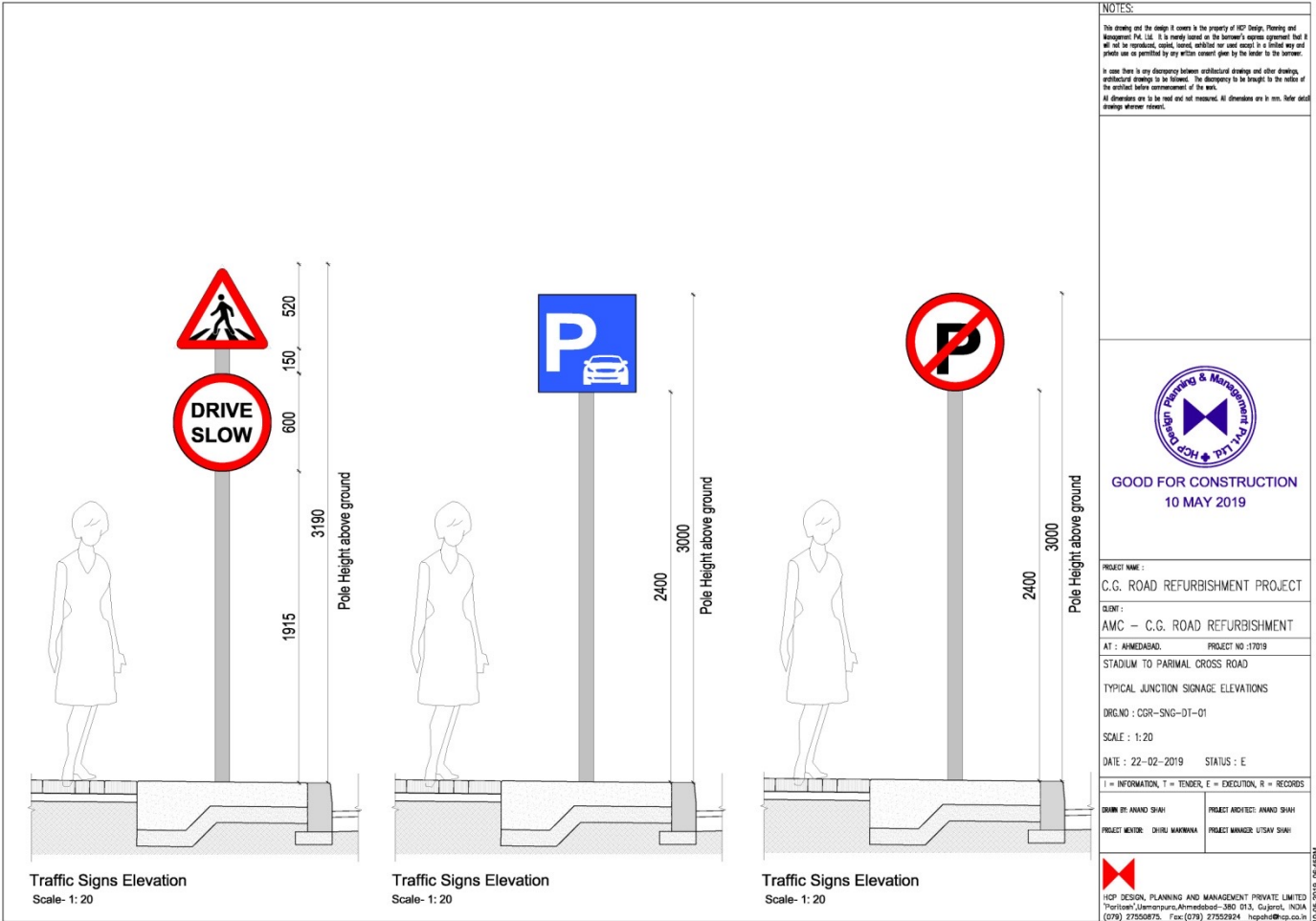
DATE : 27-11-2020 **STATUS :** T

I = INFORMATION, T = TENDER, E = EXECUTION, R = RECORDS

DRAWN BY: PREKSHA BANTELIA **PROJECT ARCHITECT:** ANAND SHAIH
PROJECT DETAILER: CHIRU MAKKANA **PROJECT MANAGER:** NIKET JAIN

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Wayfinding & Signage



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PROJECT NAME :
C.G. ROAD REFURBISHMENT PROJECT

CLIENT :
AMC - C.G. ROAD REFURBISHMENT

AT : AHMEDABAD. **PROJECT NO :** 17019

STADIUM TO PARIMAL CROSS ROAD

TYPICAL JUNCTION SIGNAGE ELEVATIONS

DRG NO : CSR-SNG-DT-01

SCALE : 1:20

DATE : 22-02-2019 **STATUS :** E

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DRAWN BY: ANAND SHAIK **PROJECT ARCHITECT:** ANAND SHAIK

PROJECT MENTOR: DHIRU MARWANIA **PROJECT MANAGER:** UTSAV SHAIK

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7th Floor, Ujjanpura, Ahmedabad-380 013, Gujarat, INDIA
(079) 27550875. Fax: (079) 27552924. hcpinfo@cp.com.in

Traffic Signs Elevation
Scale- 1: 20

Traffic Signs Elevation
Scale- 1: 20

Traffic Signs Elevation
Scale- 1: 20

10-05-2019 06:45PM

Visualizing



Visualizing



Visualizing



Visualizing



Visualizing



Smart Bike Spots

Demarcated Vending Zones

Dedicated Cycle Track

Prototype and Execution

Pre-cast Curbs



Pre-cast Curbs - Assembly



Paving Material

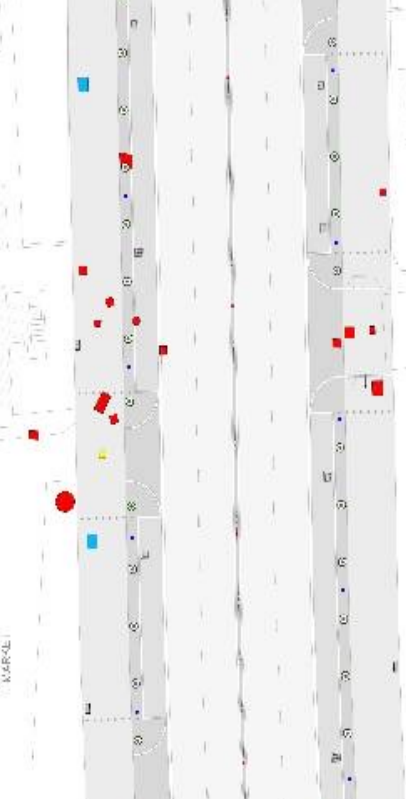


Utility Augmentation



Maintainable Utility Covers

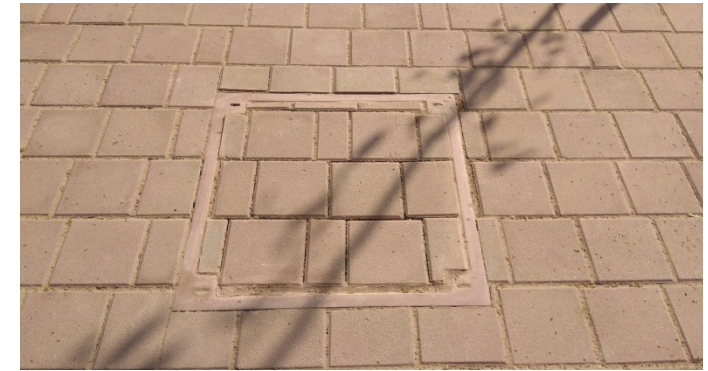
Existing Manholes & Drains



Proposed Drains Executed



Proposed FRP Manholes Executed

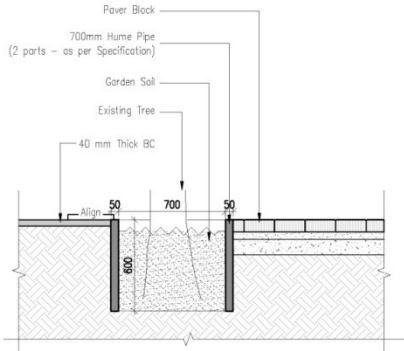


Integrating Existing Trees

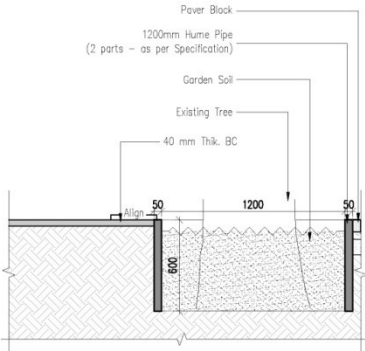


New Tree Plantation

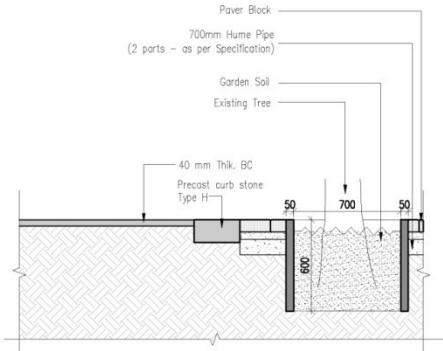
Construction sequence for mature tree: Tree Pit



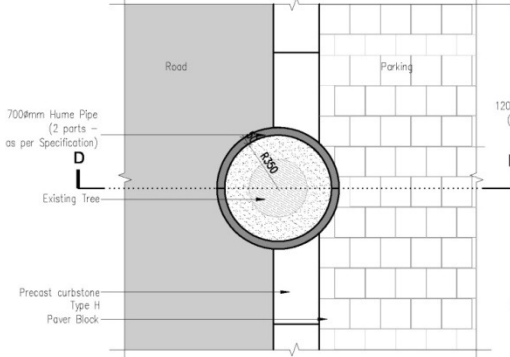
SECTION D-D



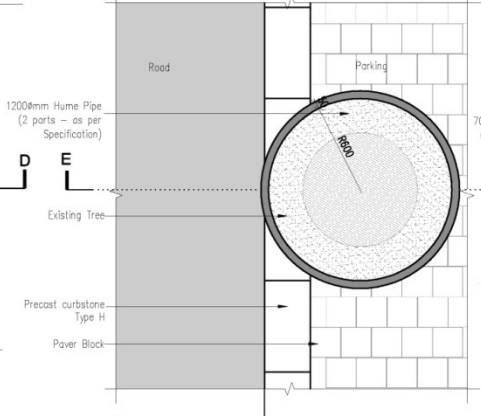
SECTION E-E



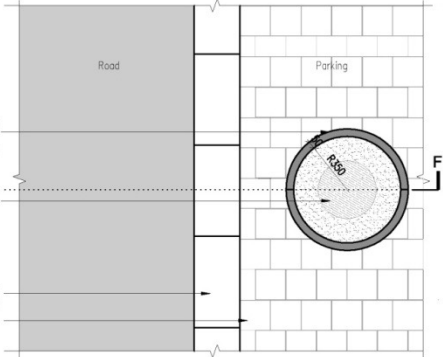
SECTION F-F



TYPE -1
TREE PIT @ SURFACE LEVEL PLAN



TYPE -2
TREE PIT @ SURFACE LEVEL PLAN



TYPE -3
TREE PIT @ SURFACE LEVEL PLAN

Integrating Existing Trees



New Plantation



Lights

Installing Light Poles



Installed Light Poles

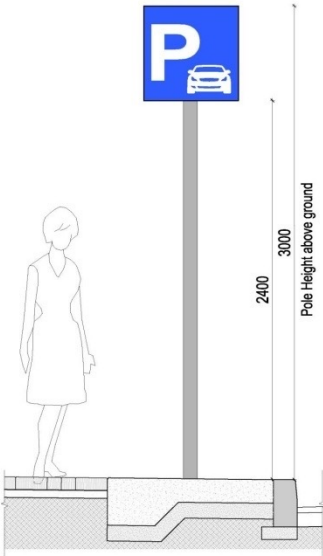


Light Options



Wayfinding & Signages

Typical Details



Traffic Signs Elevation
Scale- 1: 20

Installed Signage Pole



Dustbins

Available Readymade Dustbins



Discussion with Design Team to develop a Robust option



Dustbins

Installed Dustbins on Site



Bus Shelter



Site Meetings



On-site Check



The Outcome...















Learnings...



910 views · Liked by rishav_k.r

designdotstory C. G. Road in Ahmedabad has been recently refurbished by HCP... more

View all 2 comments

31 January



Street4People
Cycle4Change

Thank You

Niki Shah

Director. **HCP**

Architect, Urban Designer

M.Sc., B.Arch

niki@hcp.co.in