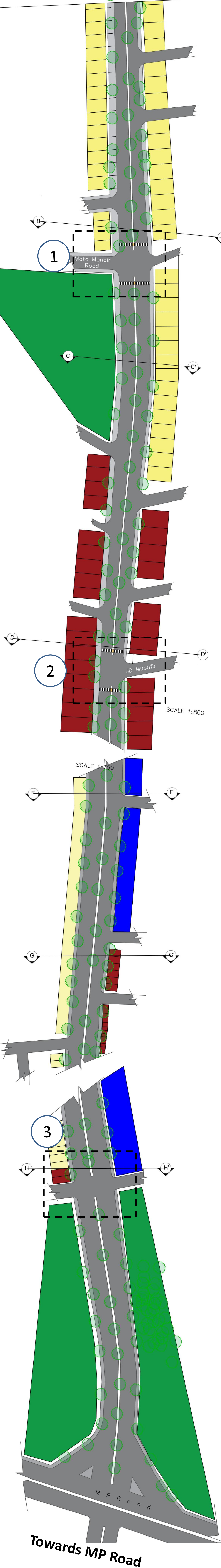


PROBLEMS

KEY IDEAS/ SOLUTIONS

EXISTING STREET PLAN

Towards CV Raman Stretch 1



- **Low level of service(LOS)** and **Congestion** on footpath and carriageway near Bharat Nagar Commercial area
- **Discontinuous/ narrow/** kerbless footpath and median
- **Jaywalking**
- **Pedestrian walking on carriageway**

- **Poor Universal Accessibility** due to absence of ramps, tactile paving, refuge islands



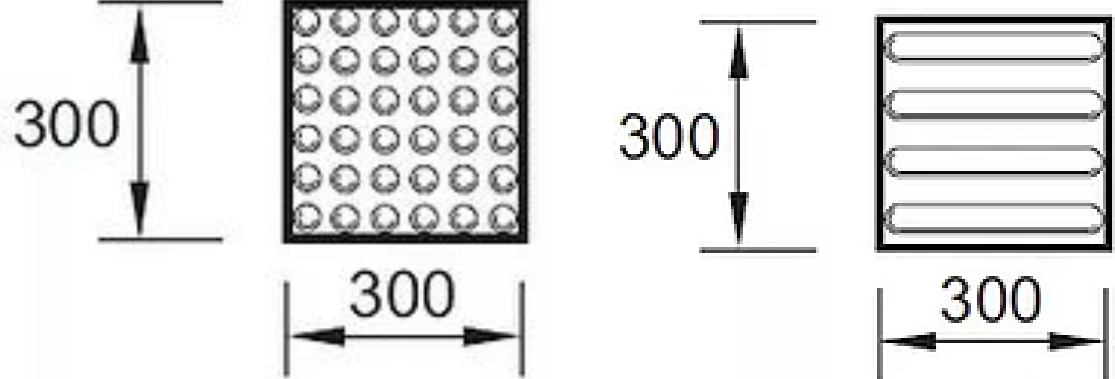
Ramps in front of Residence gates



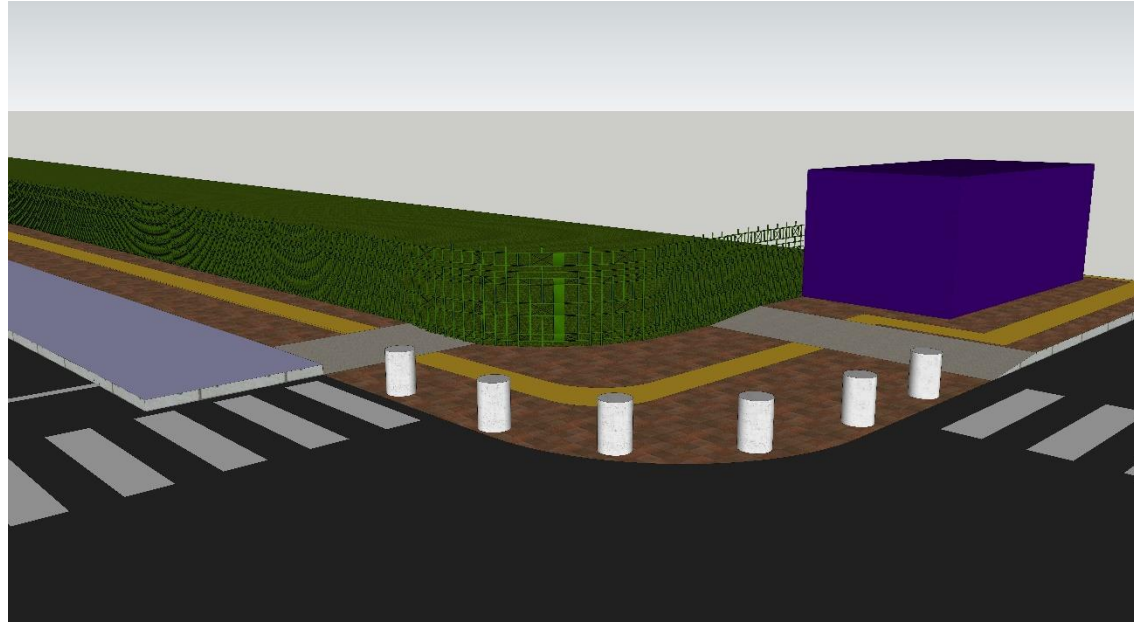
- **Carriage Way:** Continuous 7.5m wide on either side for two lane road as per IRC guidelines
- **Median:** 1.2m wide and 1.1m high grided median to discourage jaywalking

- **Footpath:** 2.5m wide continuous footpath
- **Semi Mountable Kerb:** 0.15m above carriage way level

- **Tactile Paving:** Size: 300 x 300 x 40mm

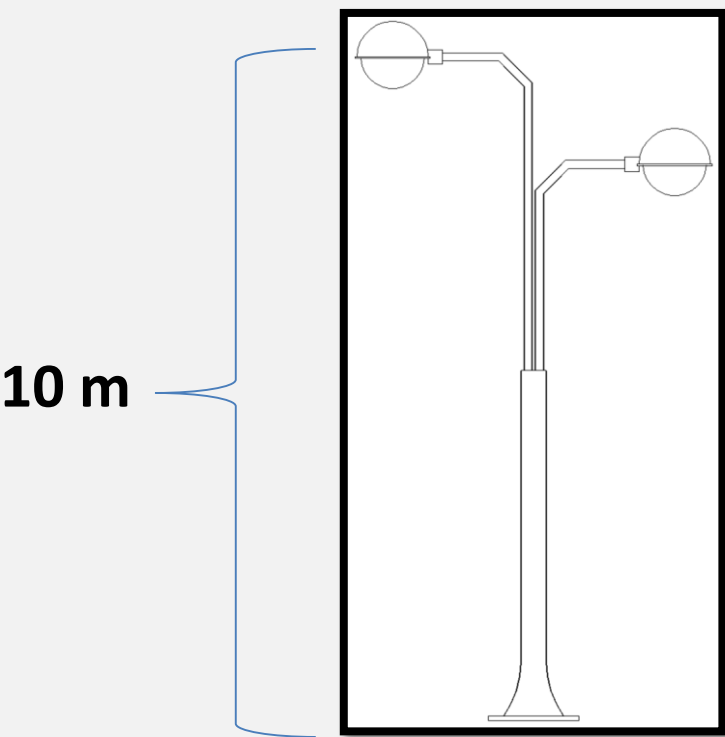


- **Refuge Islands:** 1.2m wide median at crossings for physically handicapped people
- **Kerb Ramps**



Ramps at Crossings and Intersections

- **Safety issues**



- **Street lights:** at 30m interval
- **Pedestrian street lights:** at 6m interval
- Traffic calming measures like **paved and table top crossings** at the mid-block



Table Top Crossing at Mid-Block

- **Public Transport and Sustainable Mobility**

Authorized and designated:

- **Bus Stops**
- **E-Bike Stands**

- **Reduction of effective carriage way & Obstructions** on Footpath due to:
• **Unauthorized parking** by auto-rickshaws, two and four wheelers
- **Encroachments by Hawkers**

- **Designated zones** on MFZ near commercial plot uses for:
• **Auto-rickshaw stands**
- **Hawkers**
- **'Halt & Go' Parking** for two and four wheelers

- **Pedestrian-unfriendly**
- **Lack of public amenities and cleanliness**



- **Public Toilets:** 2 toilets in 1.1 km long stretch
- **Bus Shelter:** at bus stops on MFZ/ footpath
- **Benches:** near hawkers, commercial and institutional area
- **Dustbins:** near bus-stops and street intersection
- **Dhalao:** Replaced with Trash Units
- **Drinking Water Kiosks:** Near Bus Stops in MFZ



- **Poor Landscaping**

- **Grated Tree plantations** on MFZ/ footpath

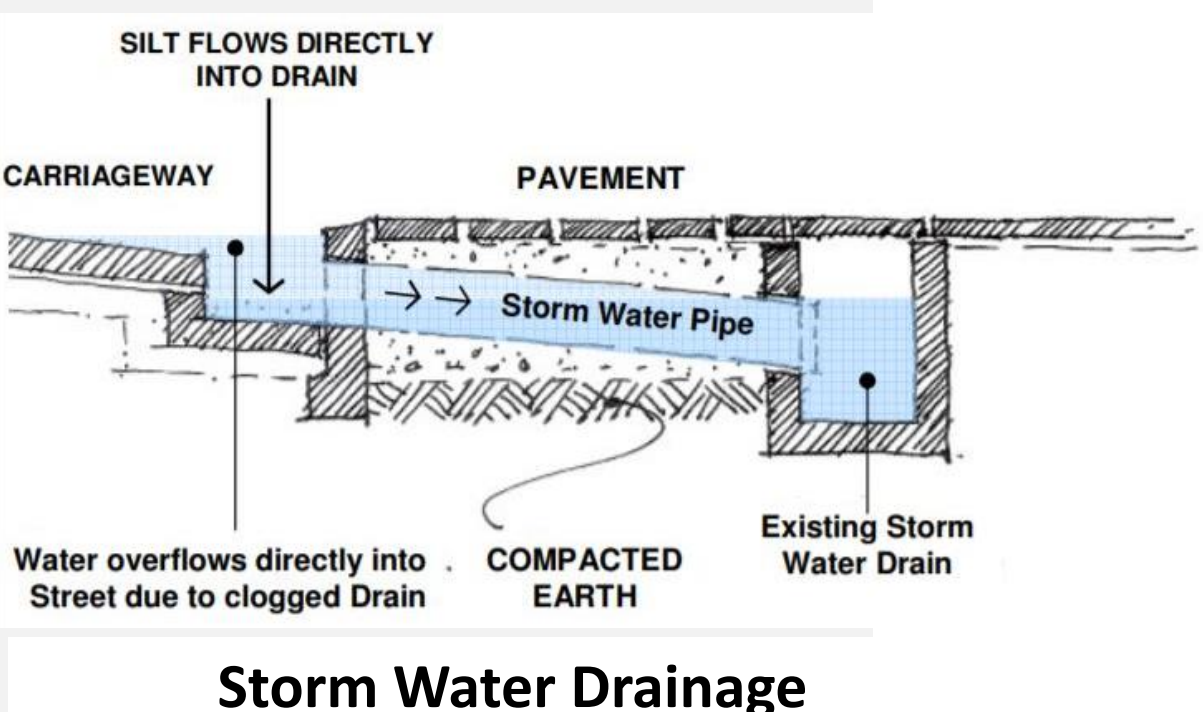


- **Inadequate/ Absence of signages and road markings**

- Better information communication to vehicle users through:
• **Traffic Signals**
- **Signages**
- **Road Markings**

- **Water logging**

- **Storm Water Management** through Kerb Inlets and Infiltration Beds in MFZ also contributing to **Ground Water Recharge**



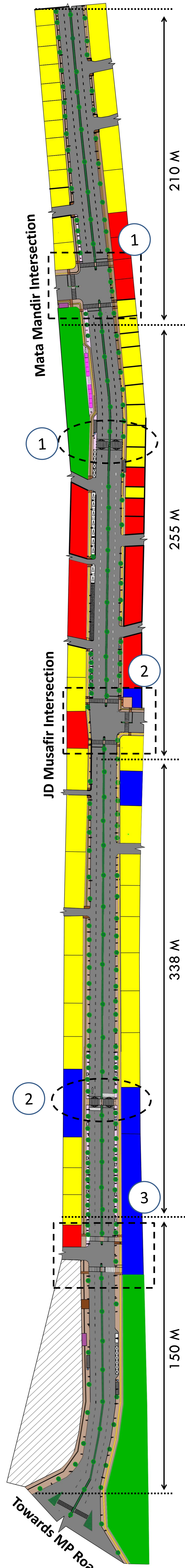
Storm Water Drainage



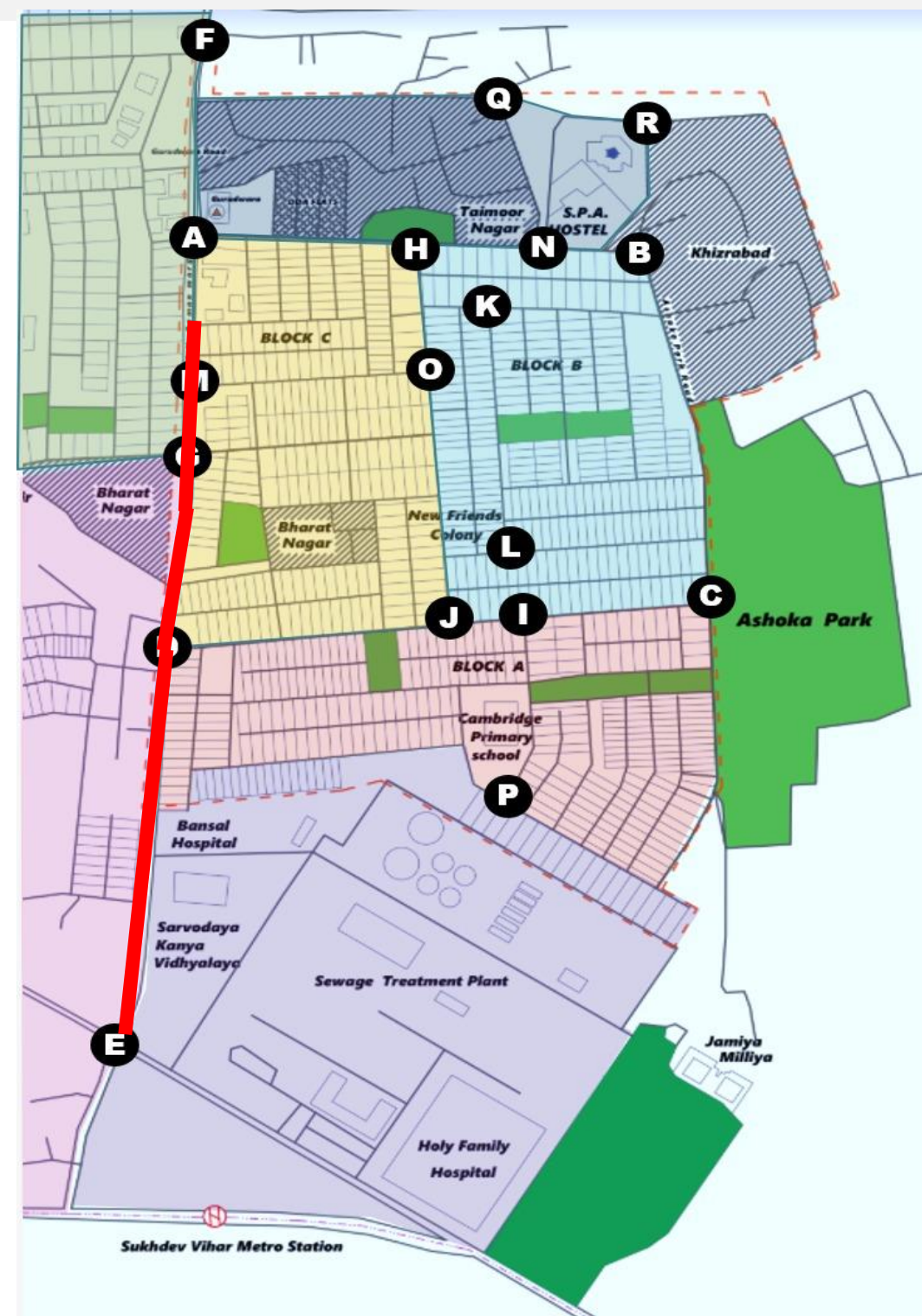
Kerb Inlet

PROPOSED STREET PLAN

Towards CV Raman Stretch 1



KEY MAP



LEGEND

- Residential
- Commercial
- Public-Semi Public
- Open Spaces
- Carriageway
- Footpath
- Median
- Multi Functional Zone
- Major Intersections
- Mid Block Crossings

About the Road

Location Code: **A to E**
Road Name: **CV RAMAN MARG**
Road Type: **Sub-Arterial**
Average ROW: **22.9 m**

SCALE:

GROUP NAME:
CV RAMAN MARG
(Stretch 2)

STREET DESIGN

GROUP MEMBERS: SHEET NO. **1**
Aatish Kumar
Abhishek Luke
Arshiya Jain
Nulu Dheeresh
V. Manikanta



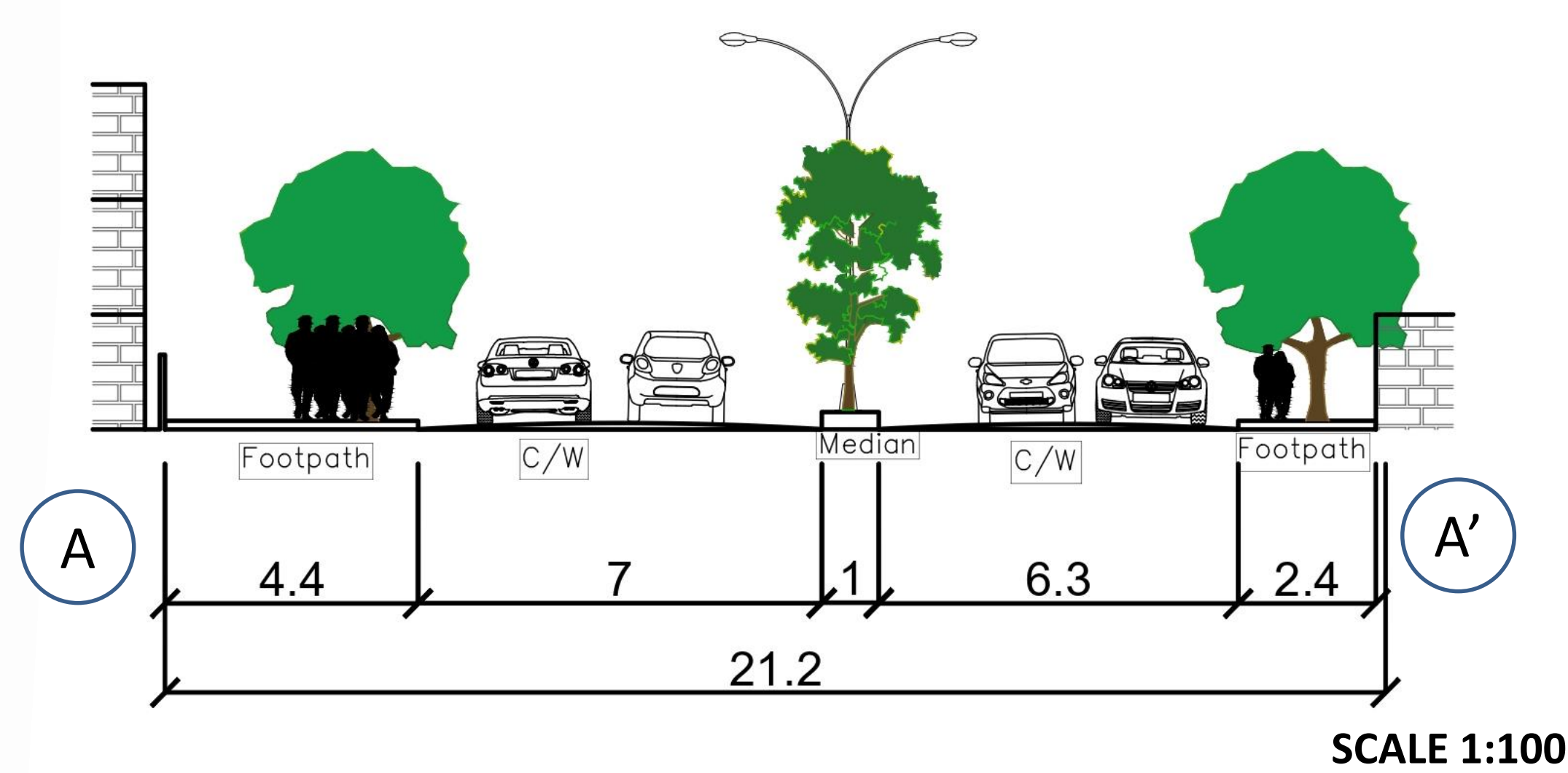
TOWARDS GURDWARA ROAD

Key Elements:

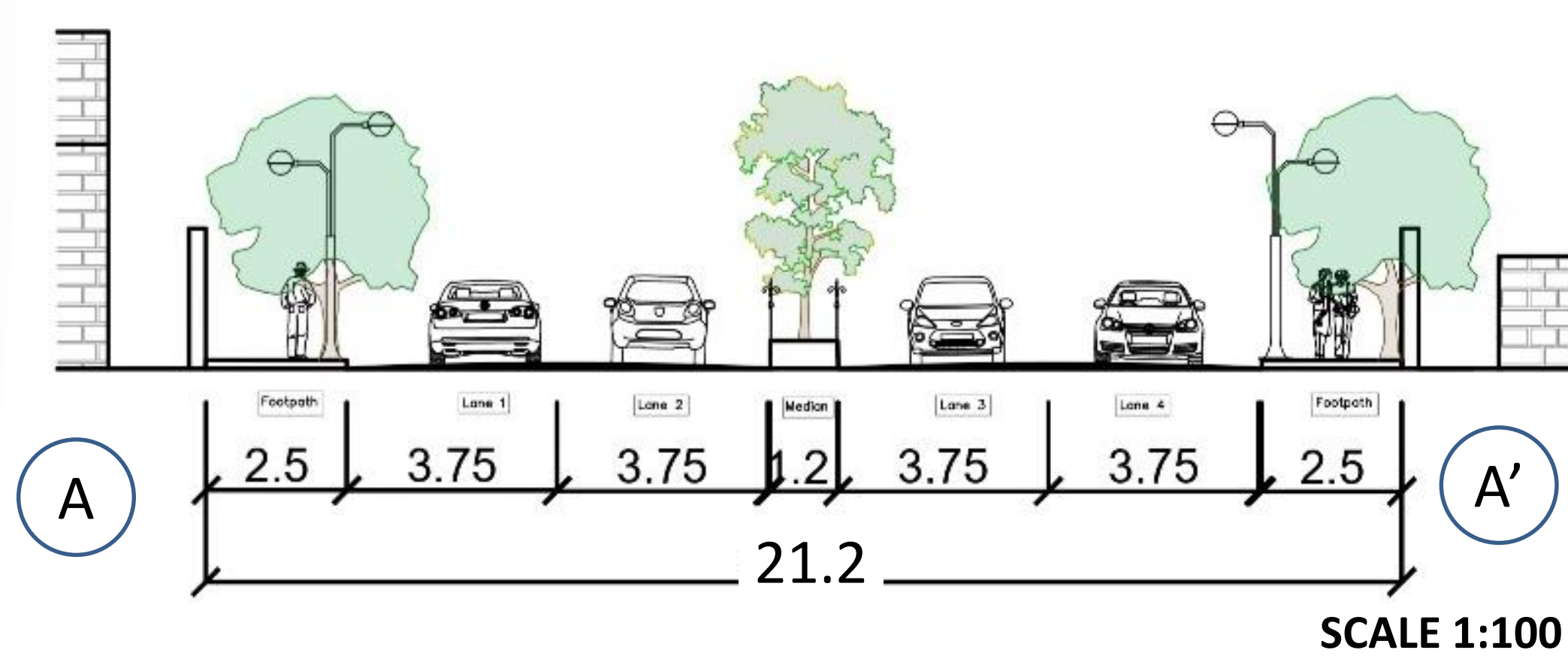
ROW: 21.2m – 24.5m

- 1.2 m wide **Grilled median** is proposed with existing tree plantations.
- Footpath** width: 2.5m with tactile paving to provide universal accessibility
- At entrance of residential plots footpaths have been replaced with **ramps**.
- Public Amenities** : Pedestrian Street lights, dustbins, benches and grated tree plantations are provided on footpath and multi-functional zone
- Public toilet** – existing on footpath at Mata Mandir Intersection
- Urban Utilities** located underground and in some cases over ground in a proper manner.
- Signages and Road markings as per IRC guidelines.
- Turning Radius** at Mata Mandir Intersection: 3m

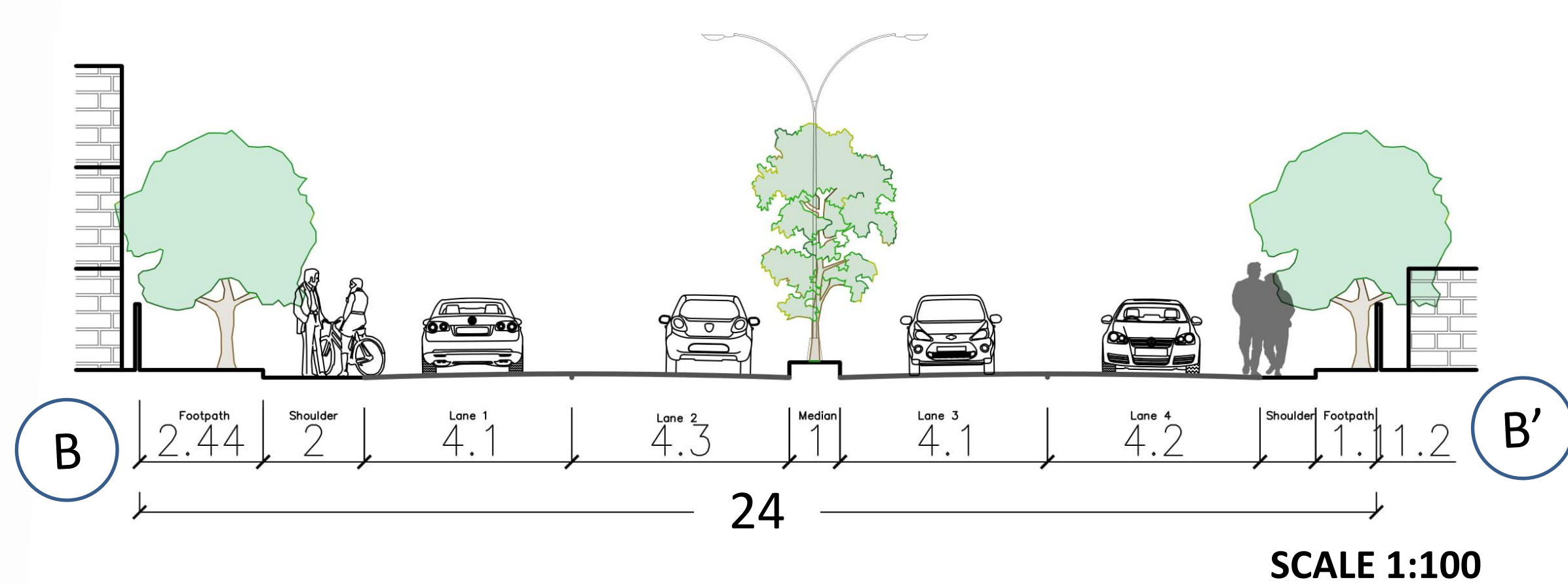
EXISTING



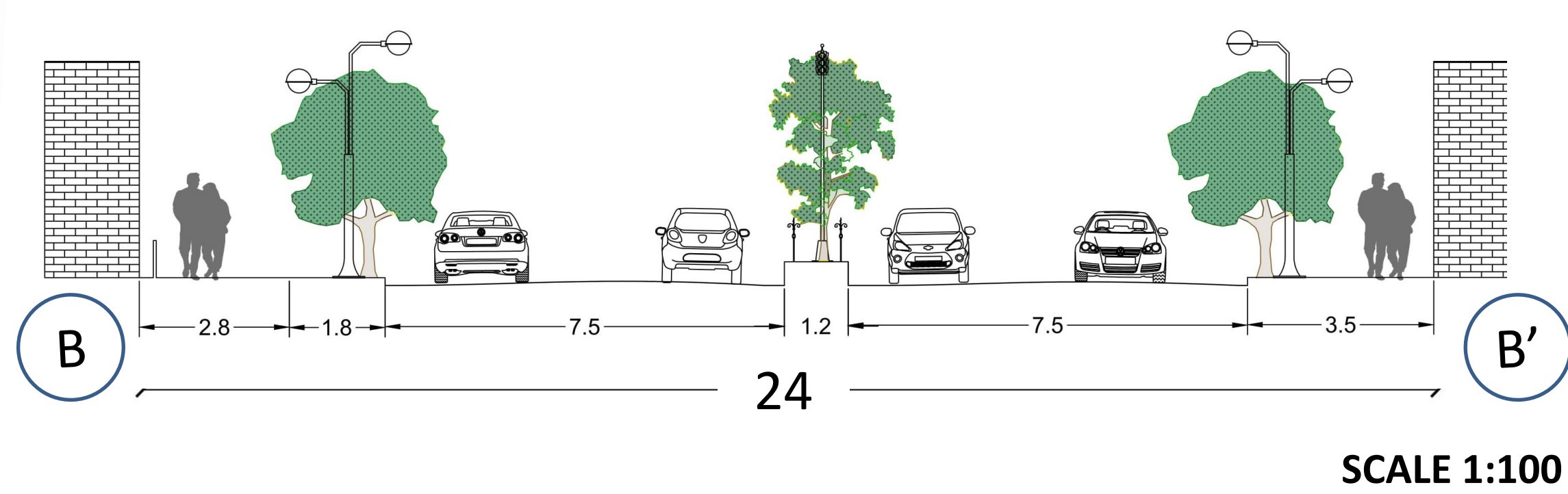
PROPOSED



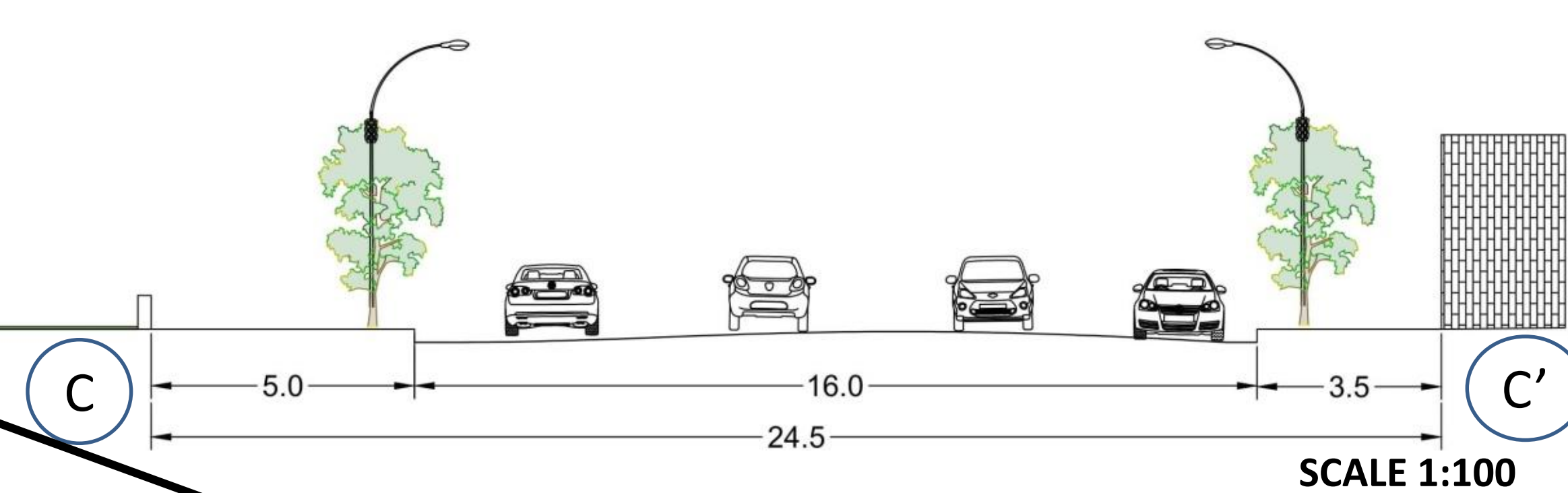
EXISTING



PROPOSED



PROPOSED: Mata Mandir Road



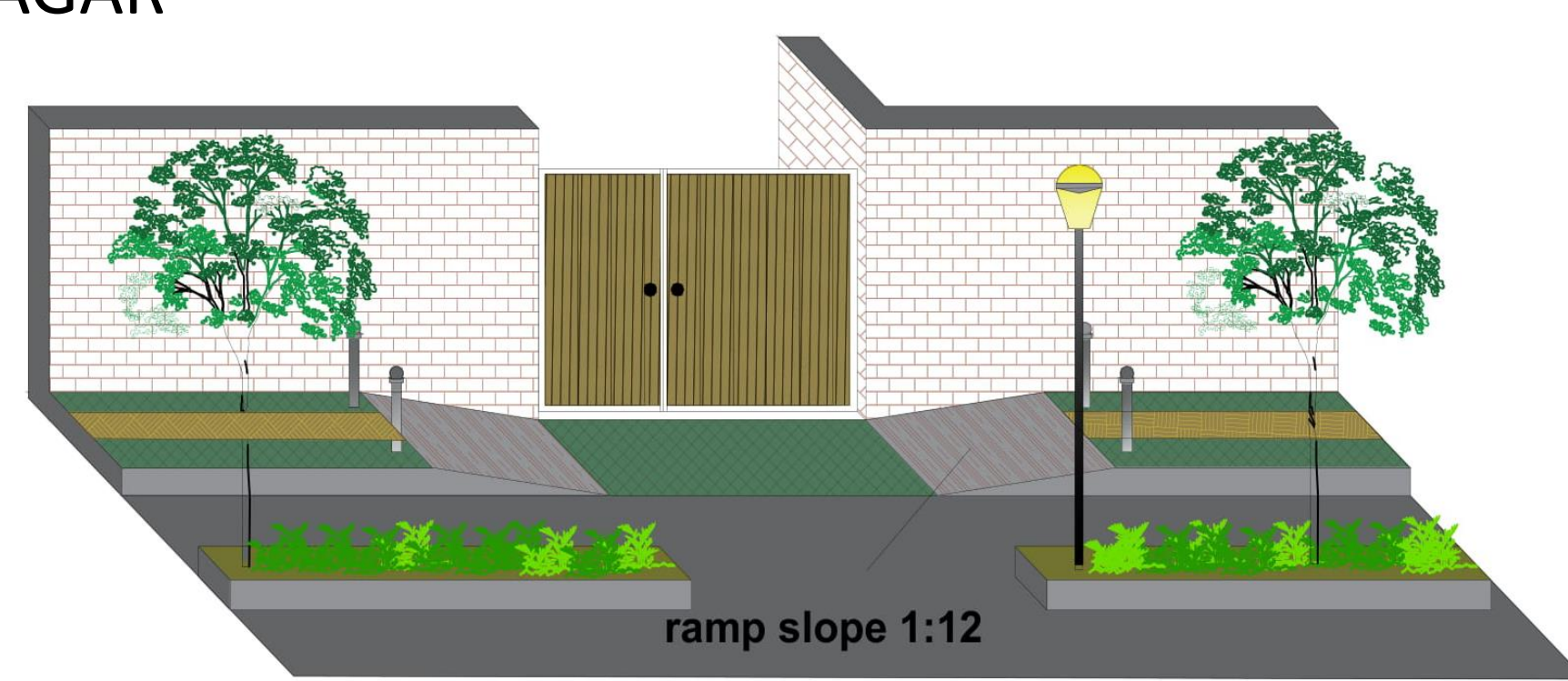
MULTI FUNCTIONAL ZONE
31M

SCALE 1:250

TOWARDS BHARAT NAGAR



VIEW1: Ramps at Intersections
Bollards at the turning to avoid traffic on footpath

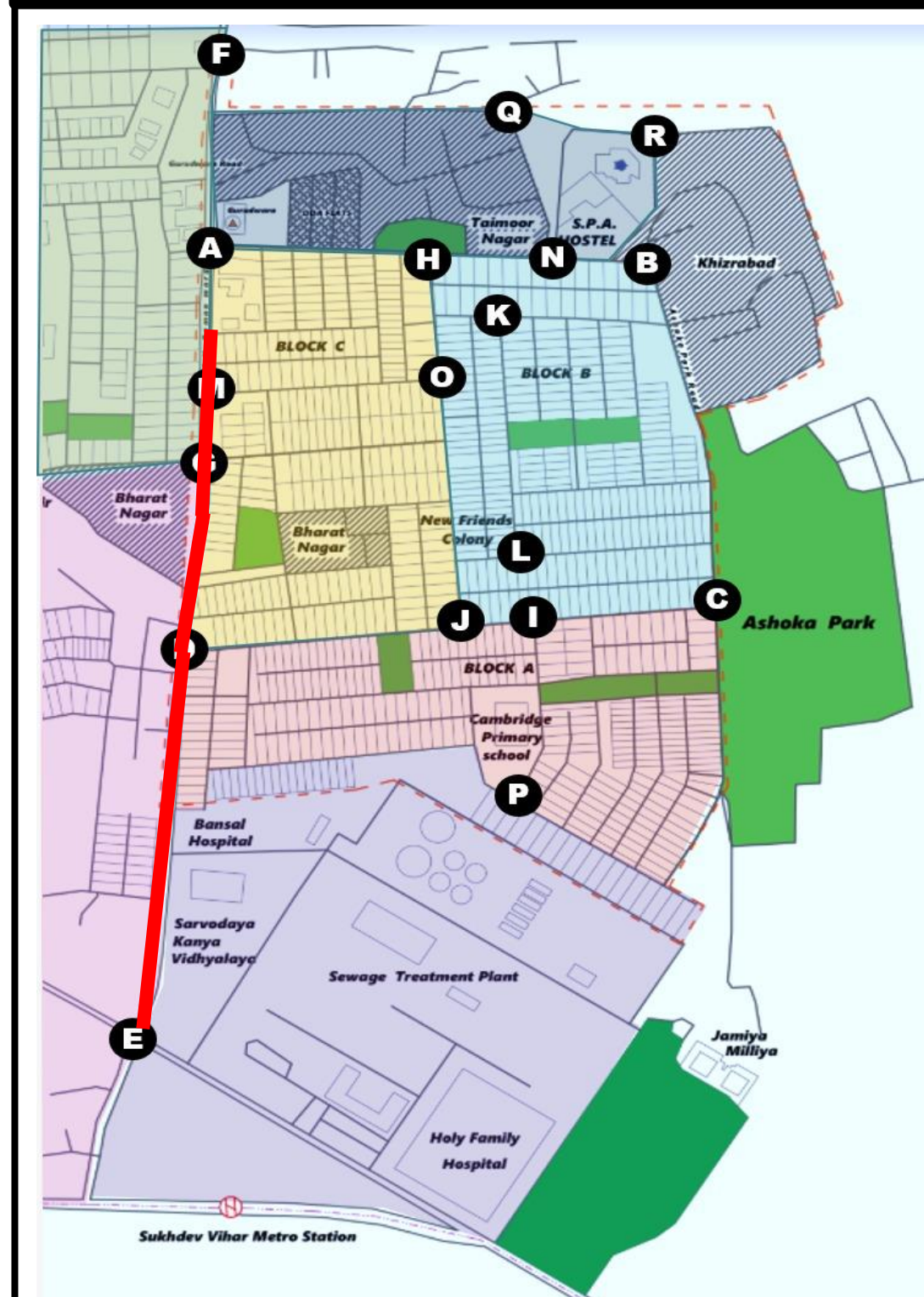


Ramps in front of Residence gates
ramp slope 1:12



VIEW2: 1.2m wide Refuge Islands for physically handicapped with Grilled median to discourage Jaywalking

KEY MAP



LEGEND

	Residential
	Commercial
	Public-Semi Public
	Open Spaces
	Carriageway
	Footpath
	Median
	Multi Functional Zone
	Tactile Paving
	Kiosk
	Dustbin/ Trash unit
	Benches
	Public Toilet
	Hawkers
	Four wheeler Parking
	TSR
	Four wheeler Parking
	Bus Shelter
	Traffic signal
	Pedestrian only zone
	Stop sign
	Pedestrian Crossing ahead sign
	Intersection ahead sign
	No parking zone
	Bus stop
	TSR Stand
	Hospital ahead sign
	School ahead sign
	No Horn Zone
	E-Bike Stand
	Visitor Parking

Stretch length: 225m

GROUP NAME:
CV RAMAN MARG
(Stretch 2)

STREET DESIGN

GROUP MEMBERS: SHEET NO.

Aatish Kumar
Abhishek Luke
Arshiya Jain
Nulu Dheeresh
V. Manikanta

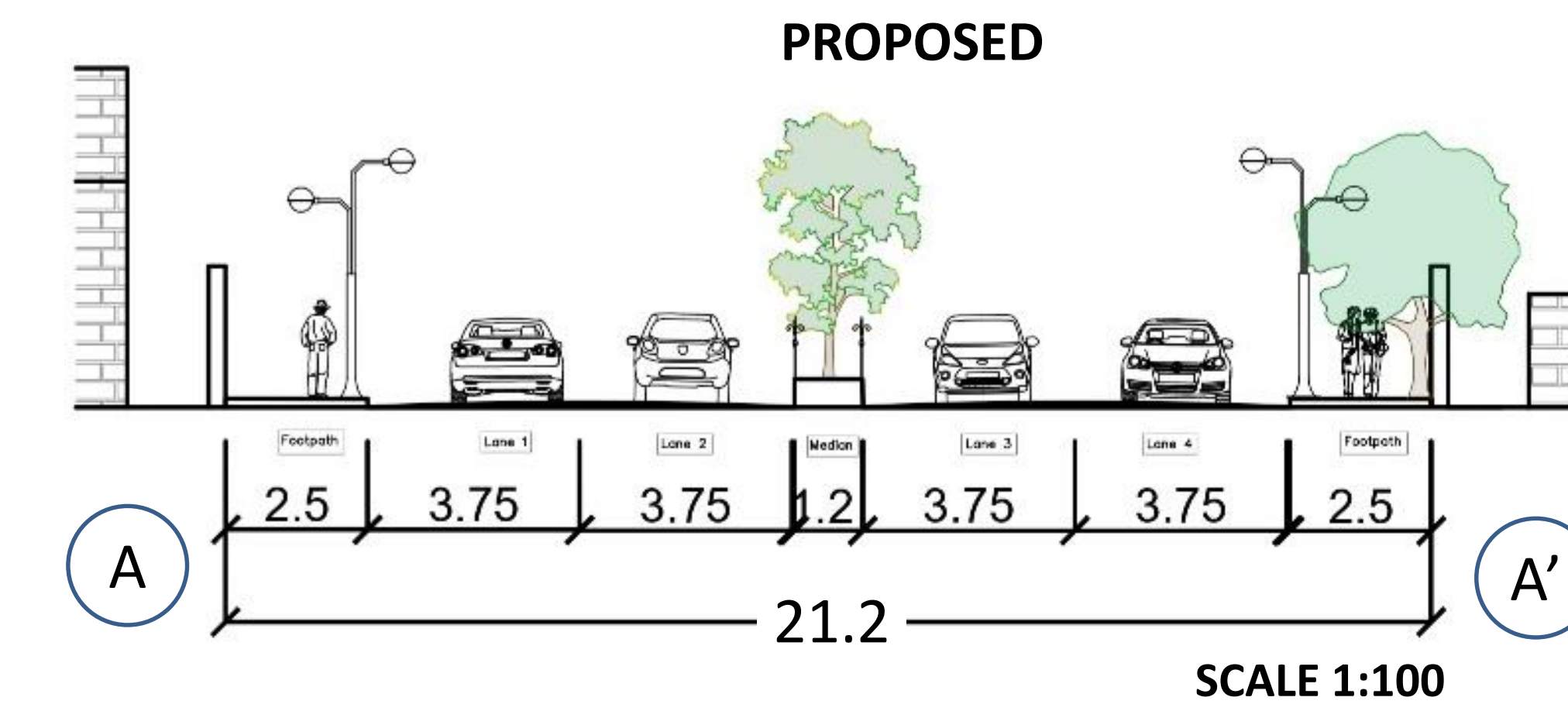
2



DISTANCE BETWEEN JD MUSAFIR CROSSING AND MID BLOCK CROSSING
250M



- 1.2 m wide Grilled median is proposed with existing tree plantations.
- **Footpath** width: 2m- 2.5m with tactile paving to provide universal accessibility
- Pedestrian -Street lights, dustbins, benches and grated tree plantations are provided on footpath or multi-functional zone
- **Mid block table top crossing for heavy pedestrian volume from school**, which is universally accessible.
- Urban Utilities located underground and in some cases over ground in a proper manner.
- Signages and road markings as per IRC guidelines.



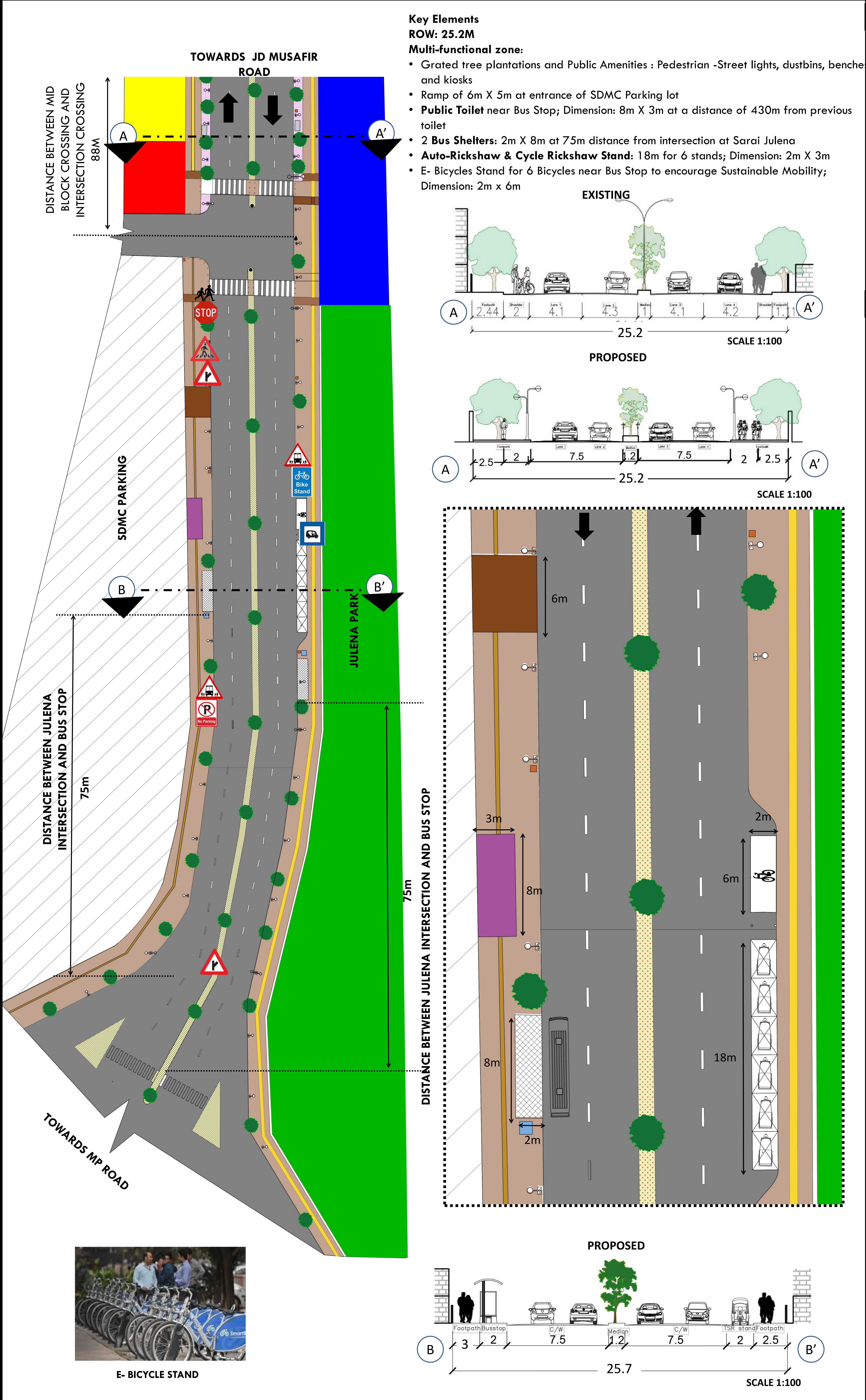
A detailed map of the Sakinaka area in Pune. The map shows several colored residential blocks: Block C (yellow), Block B (light blue), Block A (pink), and Block D (green). Key landmarks include the Shivajinagar Police Station, Shivajinagar Market, Shivajinagar Bus Station, Shivajinagar Hospital, Shivajinagar School, Shivajinagar College, Shivajinagar High School, Shivajinagar Junior College, Shivajinagar Senior College, Shivajinagar Engineering College, Shivajinagar Medical College, Shivajinagar Law College, Shivajinagar Arts College, Shivajinagar Science College, Shivajinagar Commerce College, Shivajinagar Management College, Shivajinagar Design College, Shivajinagar Fashion College, Shivajinagar Animation College, Shivajinagar Film College, Shivajinagar Music College, Shivajinagar Dance College, Shivajinagar Sports College, Shivajinagar Art College, Shivajinagar Craft College, Shivajinagar Pottery College, Shivajinagar Leather College, Shivajinagar Jewellery College, Shivajinagar Textile College, Shivajinagar Paper College, Shivajinagar Printing College, Shivajinagar Bookbinding College, Shivajinagar Publishing College, Shivajinagar Media College, Shivajinagar Journalism College, Shivajinagar Mass Communication College, Shivajinagar Public Administration College, Shivajinagar Social Work College, Shivajinagar Human Resource Development College, Shivajinagar Information Technology College, Shivajinagar Computer Science College, Shivajinagar Software Engineering College, Shivajinagar Hardware Engineering College, Shivajinagar Electrical Engineering College, Shivajinagar Mechanical Engineering College, Shivajinagar Civil Engineering College, Shivajinagar Chemical Engineering College, Shivajinagar Metallurgical Engineering College, Shivajinagar Industrial Engineering College, Shivajinagar Production Engineering College, Shivajinagar Quality Engineering College, Shivajinagar Maintenance Engineering College, Shivajinagar Safety Engineering College, Shivajinagar Health Engineering College, Shivajinagar Environmental Engineering College, Shivajinagar Agricultural Engineering College, Shivajinagar Forest Engineering College, Shivajinagar Fisheries Engineering College, Shivajinagar Veterinary Engineering College, Shivajinagar Food Engineering College, Shivajinagar Packaging Engineering College, Shivajinagar Transportation Engineering College, Shivajinagar Marine Engineering College, Shivajinagar Aerospace Engineering College, Shivajinagar Nuclear Engineering College, Shivajinagar Space Engineering College, Shivajinagar Biotechnology Engineering College, Shivajinagar Nanotechnology Engineering College, Shivajinagar Robotics Engineering College, Shivajinagar Artificial Intelligence Engineering College, Shivajinagar Data Science Engineering College, Shivajinagar Cybersecurity Engineering College, Shivajinagar Game Design Engineering College, Shivajinagar User Experience Engineering College, Shivajinagar Interaction Design Engineering College, Shivajinagar Visual Design Engineering College, Shivajinagar Graphic Design Engineering College, Shivajinagar Web Design Engineering College, Shivajinagar Mobile App Design Engineering College, Shivajinagar UX/UI Design Engineering College, Shivajinagar Product Design Engineering College, Shivajinagar Service Design Engineering College, Shivajinagar Business Design Engineering College, Shivajinagar Marketing Design Engineering College, Shivajinagar Sales Design Engineering College, Shivajinagar Customer Service Design Engineering College, Shivajinagar HR Design Engineering College, Shivajinagar Finance Design Engineering College, Shivajinagar Operations Design Engineering College, Shivajinagar Logistics Design Engineering College, Shivajinagar Supply Chain Design Engineering College, Shivajinagar Procurement Design Engineering College, Shivajinagar Purchasing Design Engineering College, Shivajinagar Inventory Management Design Engineering College, Shivajinagar Warehouse Management Design Engineering College, Shivajinagar Distribution Management Design Engineering College, Shivajinagar Transportation Management Design Engineering College, Shivajinagar Fleet Management Design Engineering College, Shivajinagar Vehicle Management Design Engineering College, Shivajinagar Fuel Management Design Engineering College, Shivajinagar Insurance Management Design Engineering College, Shivajinagar Legal Management Design Engineering College, Shivajinagar Compliance Management Design Engineering College, Shivajinagar Risk Management Design Engineering College, Shivajinagar Security Management Design Engineering College, Shivajinagar Disaster Management Design Engineering College, Shivajinagar Crisis Management Design Engineering College, Shivajinagar Reputation Management Design Engineering College, Shivajinagar Brand Management Design Engineering College, Shivajinagar Marketing Management Design Engineering College, Shivajinagar Sales Management Design Engineering College, Shivajinagar Customer Relationship Management Design Engineering College, Shivajinagar Human Resources Management Design Engineering College, Shivajinagar Financial Management Design Engineering College, Shivajinagar Operations Management Design Engineering College, Shivajinagar Logistics Management Design Engineering College, Shivajinagar Supply Chain Management Design Engineering College, Shivajinagar Procurement Management Design Engineering College, Shivajinagar Purchasing Management Design Engineering College, Shivajinagar Inventory Management Design Engineering College, Shivajinagar Warehouse Management Design Engineering College, Shivajinagar Distribution Management Design Engineering College, Shivajinagar Transportation Management Design Engineering College, Shivajinagar Fleet Management Design Engineering College, Shivajinagar Vehicle Management Design Engineering College, Shivajinagar Fuel Management Design Engineering College, Shivajinagar Insurance Management Design Engineering College, Shivajinagar Legal Management Design Engineering College, Shivajinagar Compliance Management Design Engineering College, Shivajinagar Risk Management Design Engineering College, Shivajinagar Security Management Design Engineering College, Shivajinagar Disaster Management Design Engineering College, Shivajinagar Crisis Management Design Engineering College, Shivajinagar Reputation Management Design Engineering College, Shivajinagar Brand Management Design Engineering College.

	Residential
	Commercial
	Public-Semi Public
	Open Spaces
	Carriageway
	Footpath
	Median
	Multi Functional Zone
	Tactile Paving
	Kiosk
	Dustbin/ Trash unit
	Benches
	Public Toilet
	Hawkers
	Four wheeler Parking
	TSR
	Four wheeler Parking
	Bus Shelter
	Traffic signal
	Pedestrian only zone
	Stop sign
	Pedestrian Crossing ahead sign
	Intersection ahead sign
	No parking zone
	Bus stop
	TSR Stand
	Hospital ahead sign
	School ahead sign
	No Horn Zone
	E-Bike Stand
	Visitor Parking

STREET DESIGN

Aatish Kumar
Abhishek Luke
Arshiya Jain
Nulu Dheeresh
V. Manikanta

4



KEY MAP

LEGEND

	Residential
	Commercial
	Public-Semi Public
	Open Spaces
	Carriageway
	Footpath
	Median
	Multi Functional Zone
	Tactile Paving
	Kiosk
	Dustbin/ Trash unit
	Benches
	Public Toilet
	Hawkers
	Four wheeler Parking
	TSR
	Four wheeler Parking
	Bus Shelter
	Traffic signal
	Pedestrian only zone
	Stop sign
	Pedestrian Crossing ahead sign
	Intersection ahead sign
	No parking zone
	Bus stop
	TSR Stand
	Hospital ahead sign
	School ahead sign
	No Horn Zone
	E-Bike Stand
	Visitor Parking

Stretch length: 150m

GROUP NAME:
CV RAMAN MARG
(Stretch 2)

STREET DESIGN

GROUP MEMBERS: SHEET NO.

Aatish Kumar	5
Abhishek Luke	
Arshiya Jain	
Nulu Dheeresh	
V. Manikanta	