

# OJASWI RIJAL

PORTFOLIO

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# 01 OJASWI RIJAL

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## PROFESSIONAL SUMMARY

Civil Engineer with experience in construction project management and residential building renovation. Proven track record as a Site Supervisor, ensuring quality, safety, and adherence to design specifications. Skilled in coordinating subcontractors, material management, budget monitoring, and client interaction. Proficient in design, quality control, and utilizing construction management software. Dedicated to delivering high-quality projects on time and within budget.

## TECHNICAL SKILLS

Civil Engineering Software: AutoCAD, ETABS, Bluebeam, SketchUp

Technical Skills: Structural Analysis, Space Planning, Material Selection, Project Management

Construction Management: Cost Estimation, Quality Control, Site Supervision

Microsoft Office: Word, PowerPoint, Excel

## PROFESSIONAL EXPERIENCE

### **City of Mississauga**

Long Term Planning Student, Parks and Culture Planning October 2024-December 2024

- Monitored Park facility use across various locations in Mississauga to verify data from bookings, cell phone usage, trail counters, and other data collection methods.
- Conducted on-site observations during weekdays, weekends, and evenings, ensuring comprehensive data coverage across different time frames.
- Collected and analyzed data to identify patterns in park usage and determine factors influencing facility utilization.
- Presented findings and insights to the Parks and Culture Planning teamz, contributing to strategic planning for future park developments.
- Attended bi-weekly in-person meetings at City Centre Drive to discuss progress and strategies with the planning team.

### **Pneumatic Development Pvt. Ltd**

Site Supervisor April 2021-March 2023

- Supervised day-to-day construction activities ensuring adherence to design specifications and quality standards.
- Efficiently coordinated with subcontractors and project staff to meet project milestones.
- Managed material procurement, inventory, and conducted precise material estimation for projects.
- Diligently monitored project budgets and facilitated financial planning for cost-effective execution.
- Oversaw the installation of structural components and finishes across various projects.
- Supervised renovation work including interior and exterior updates, furniture and kitchen redesigns.
- Managed material take-offs and prepared project estimates, ensuring accurate cost control and budget adherence.

- Led repair and maintenance activities, coordinated schedules, managed staff, and ensured timely completion of tasks.

### **Pneumatic Development Pvt. Ltd**

Intern November 2020-March 2021

- Assisted in conducting site surveys and measurements to ensure accurate project execution.
- Helped prepare daily progress reports, maintained project documentation, and supported the preparation of shop drawings.
- Conducted structural analysis of residential buildings coordinating with architects.
- Continuously learned about construction techniques, materials, and industry best practices to improve professional skills.
- Aided in the planning and construction of temporary structures, such as scaffolding and site offices.

## EDUCATION

Urban Design Post Graduate

Sheridan College, Mississauga, ON

May 2024 - Present

Construction Project Management Post Graduate

Fanshawe College, London, ON

May 2023- December 2023

Diploma in Interior Design

IEC School of Art and Design, Kathmandu, Nepal

February 2022- April 2023

Bachelors in Civil Engineering

2022

Kathmandu Engineering College, Kathmandu, Nepal

December 2015- September

# 02

## DISCOVERY PARK

Ontario Place was one of the public gathering spaces with various themes. But, the forests were destroyed overnight and it was converted into private spas. After the privatization of the area, the residents now have no place nearby for recreation and were not happy about it.

The design proposal is for the redevelopment for parking lot 2 as Discovery Park. The park will provide all in one recreational activities within itself and that is all for the “public”. As the name says there's a lot to discover. It has varieties of pockets such as food trucks, cafes, library and quiet reading space, open amphitheatre, forest space , play area for kids, view port along with lots of trails and connections.



Figure: Master plan with surrounding context

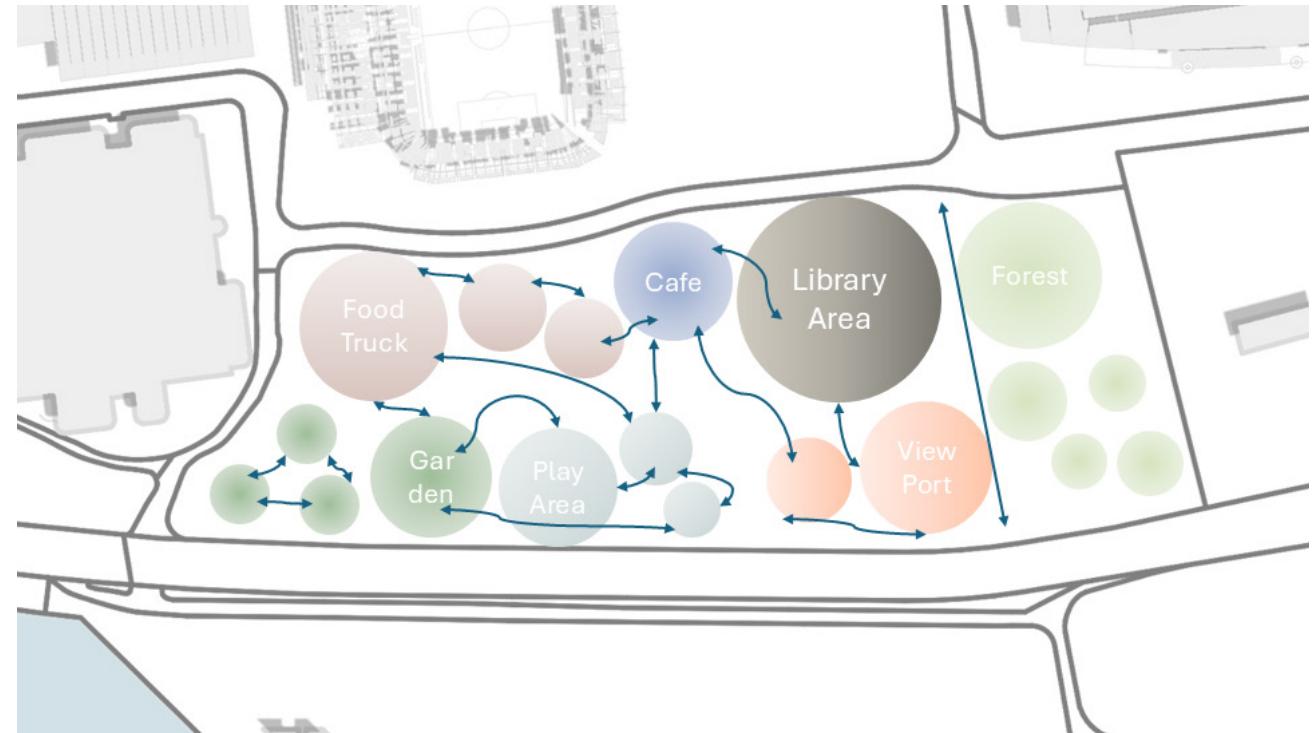


Figure: Basic Zoning initial concept

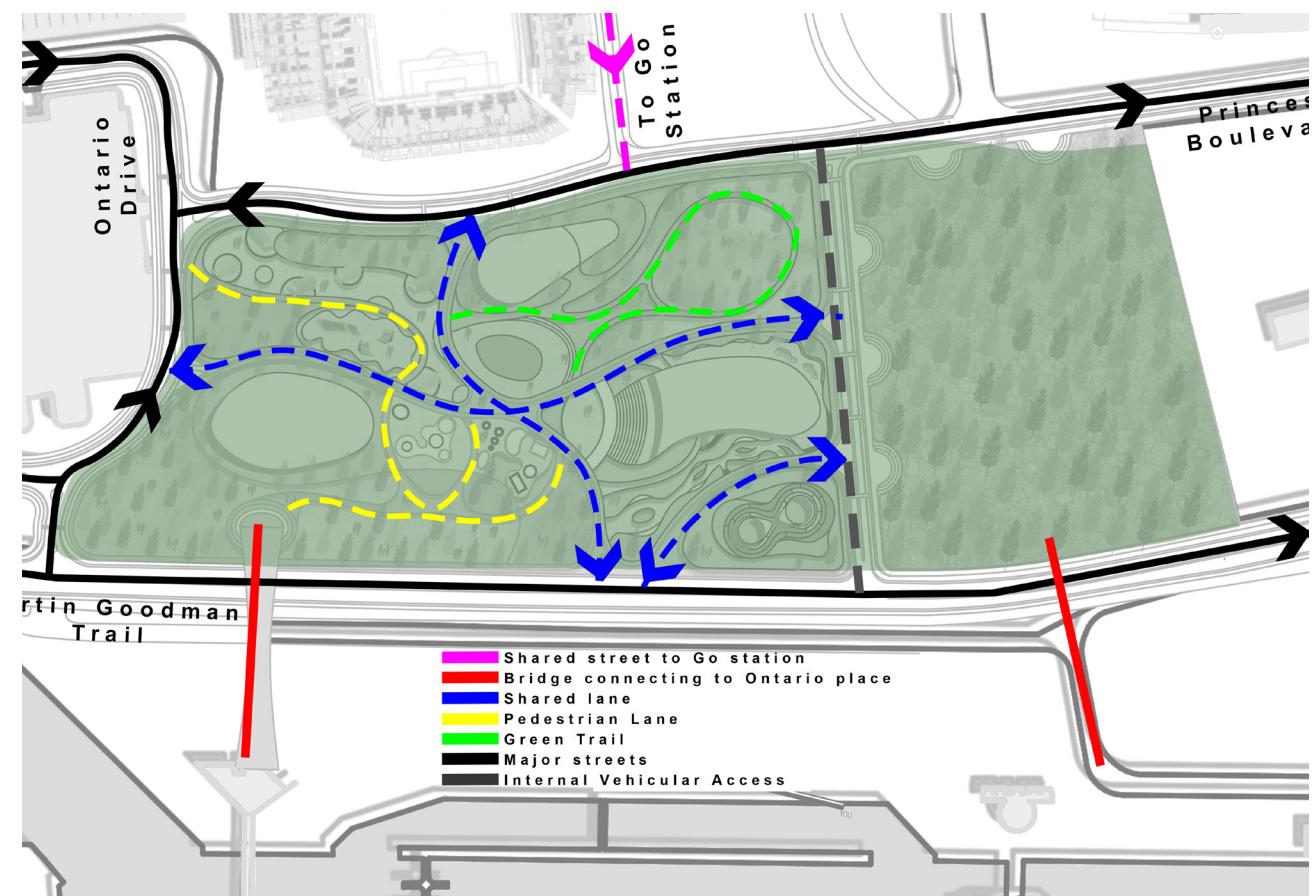


Figure: Mobility Network of the park and its connections

Various spots in the park which shows engaging activities and quiet spaces for all kinds of visitors.



Figure: Kids Play Area within the park



Figure: GO Station connection towards park

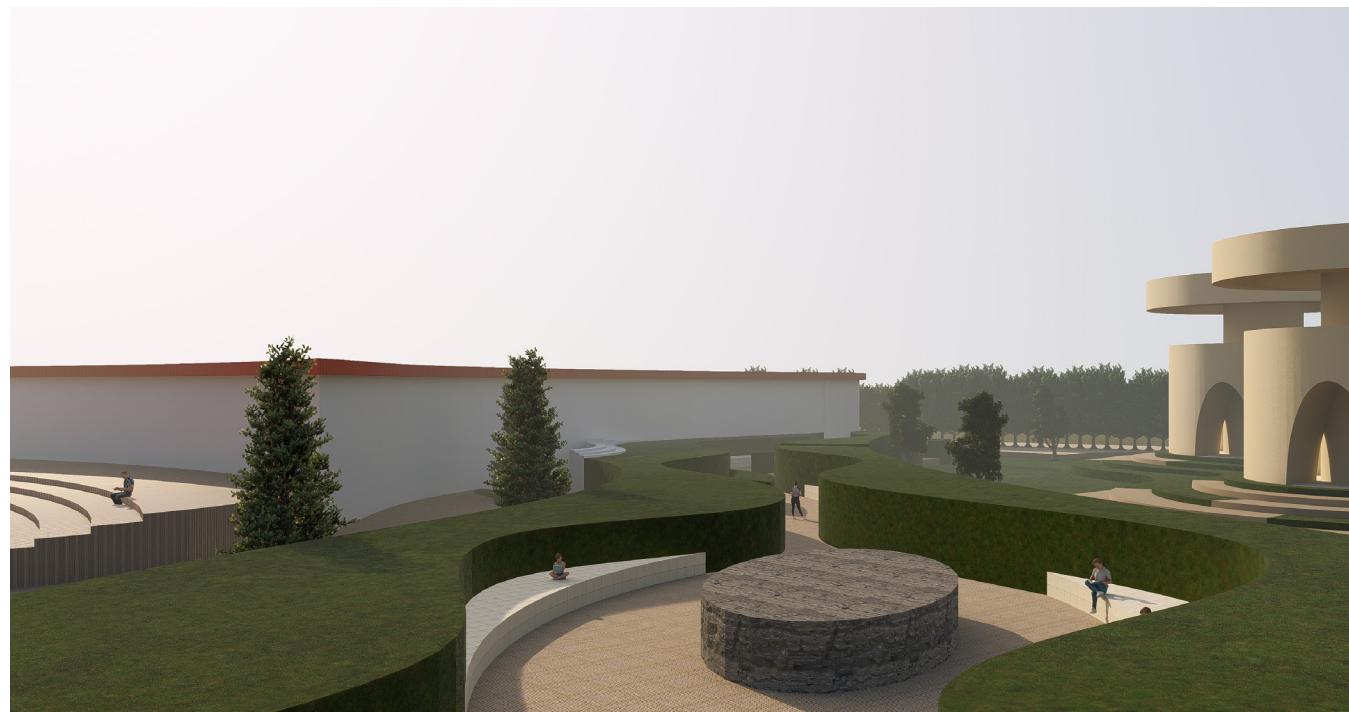


Figure: View Port and Library Seating aerial view



Figure: Skating area

# 03

## PORT CREDIT -ROOTS PROJECT



Figure: Showing different materials in pedestrianized area of port credit



Figure: Aerial View of Pedestrianized section showing furnitus, bufer zones, cycle lane and walk-way

The massing of the project helped rejuvenate the community of Port Credit by creating a dynamic waterfront space inspired by the ever-changing nature of water. The integration of green and open spaces in this mixed-use development promoted a strong sense of community among its residents, fostering a close connection to the natural world. Like a tree's roots anchoring and feeding its surroundings, the design concept was based on the idea that each component grew from and contributed to a broad, interconnected experience.

The streetscape design of ROOTS in Port Credit, Mississauga, is a vibrant expression of our vision to create a resilient, origin oriented, thriving, and strategically oriented spatial experience. This streetscape plan focuses on integrating green infrastructure, universal design, and modern design elements to provide an inclusive and dynamic environment for all users.



Figure: Waterfront walkway and cycle lane

# 04 CAFETERIA- INTERIOR DESIGN

The renderings of the cafeteria space design illustrate a harmonious blend of functionality and nature-inspired aesthetics. The overhead rafter spacings create an architectural rhythm, guiding the eye through the space. At the heart of the design is a central island with tree-inspired features, surrounded by chairs that offer a natural and cozy seating environment. Complementing this, the wall panels behind each table introduce subtle textures that enhance the visual experience. The layout also includes intimate four-seater areas, thoughtfully designed to foster connection and comfort, making the cafeteria an inviting and dynamic gathering space.



Figure: Cafeteria Space design showing the Rafter spacings

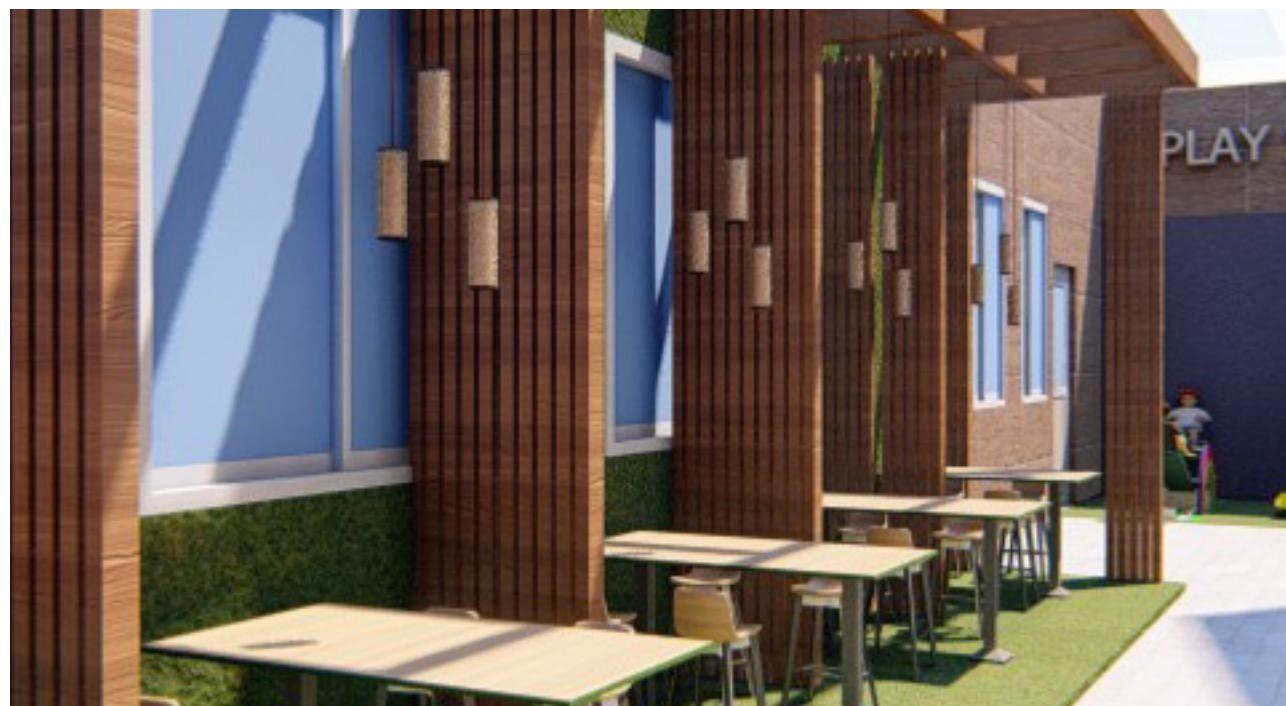


Figure: Wall Panel and Furniture Design of the Cafeteria

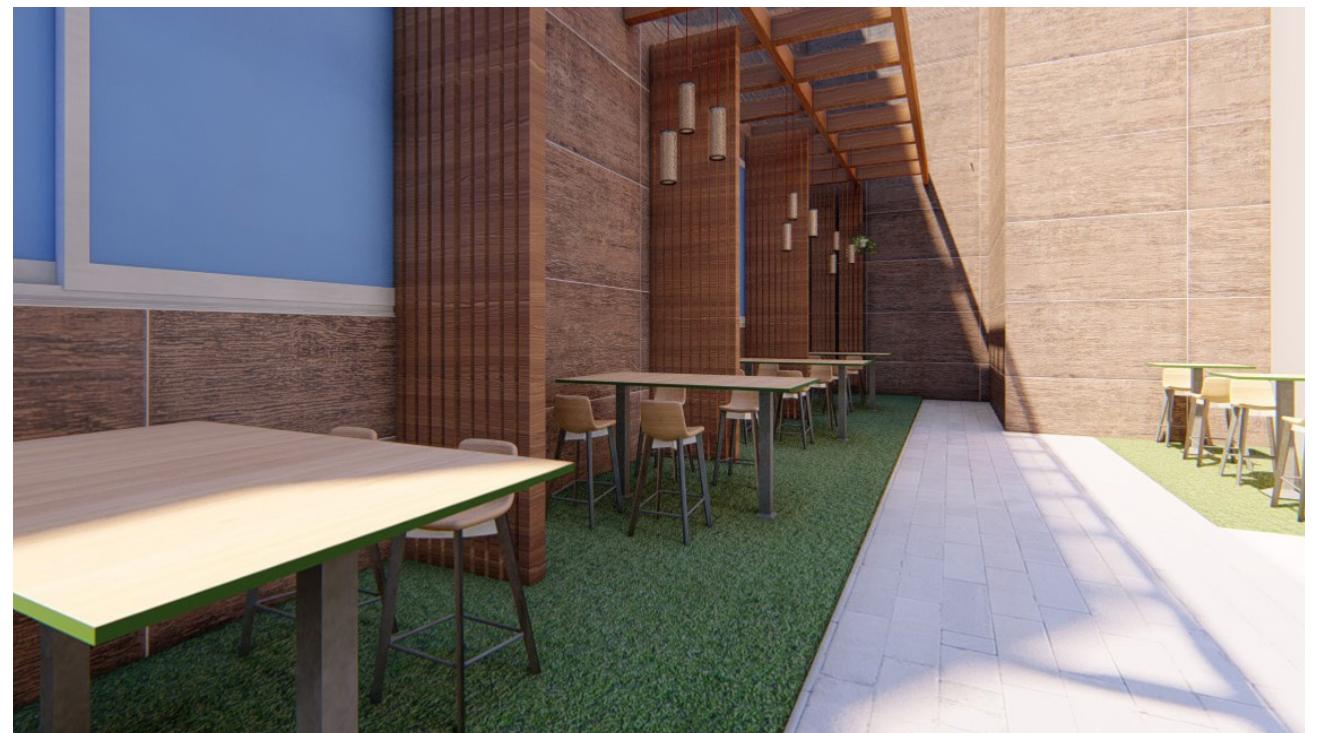


Figure: The rendering showing ample of space in cafeteria including Playzones for children

# 05 STREET DESIGN-PROJECT VISUALIZATION

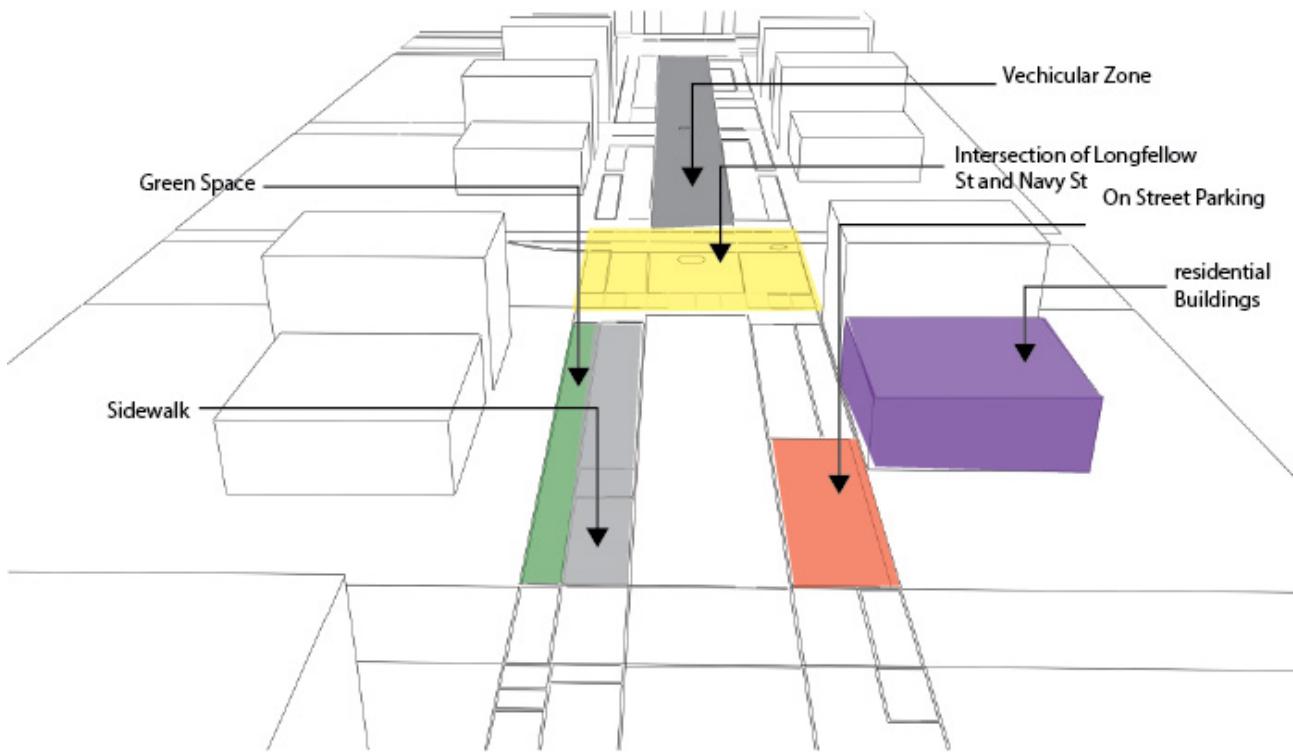


Figure: Initial Diagrammatic Representation of Longfellow street



Figure: Rendered View of Current Situation of Street

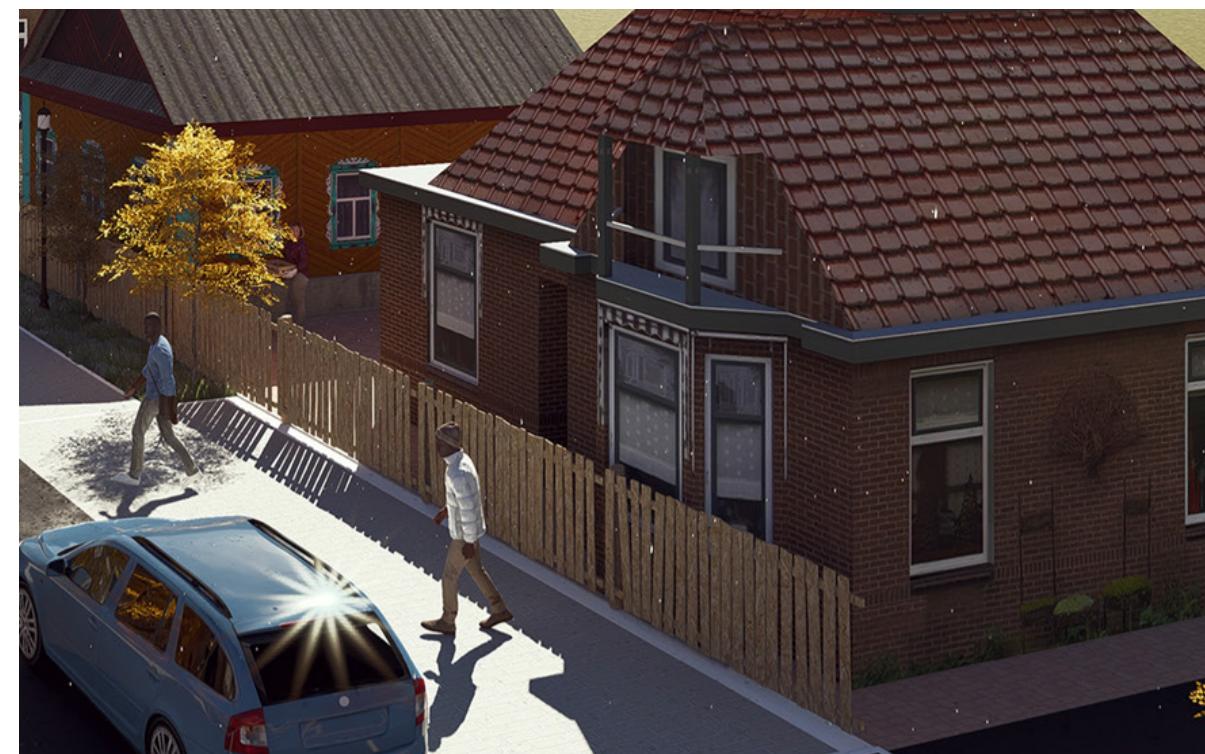
Residential shared street are the ones which have low volume vehicle and the road itself is shared either for parking, walking or children play. Longfellow street is a short residential shared street that passes through Santa Monica's Borderline neighborhood as it travels 136M through Marine Street till Ozone Street.

The diagram shows the zoning of the street and its surrounding.

The steps of the render with final rendered product is shown in the right.

Longfellow street links Ozone Park and the local retail area. Before 2006, it was too small to provide parallel parking for nearby buildings as well as sidewalks, measuring 40 feet wide paved to property line.

The new design combined the pedestrian and vehicular realms into a shared space to accommodate all users of the street. Resurfaced with fresh asphalt, the street is 14 feet wide and serves as a residential shared street. Resurfaced with fresh asphalt, the street is 14 feet wide and serves as a residential shared street. The street now includes various landscaping elements, improved lighting, and designated areas for vehicles. It has the Navy Street in between the Ozone Street and Marine Street which has colorful pavements showing the beauty of the shared street. The street is shared as a parking space for nearby residential areas.



# 06 RESIDENCE RECONSTRUCTION AND INTERIOR



Figure: Image during construction of site

The above image shows the front facade during construction where the owner's requirement was to redevelop the plain plastered wall into veneer and brick layered grooves. The cantilever metal beams with glass on top added the vibrancy of the house.

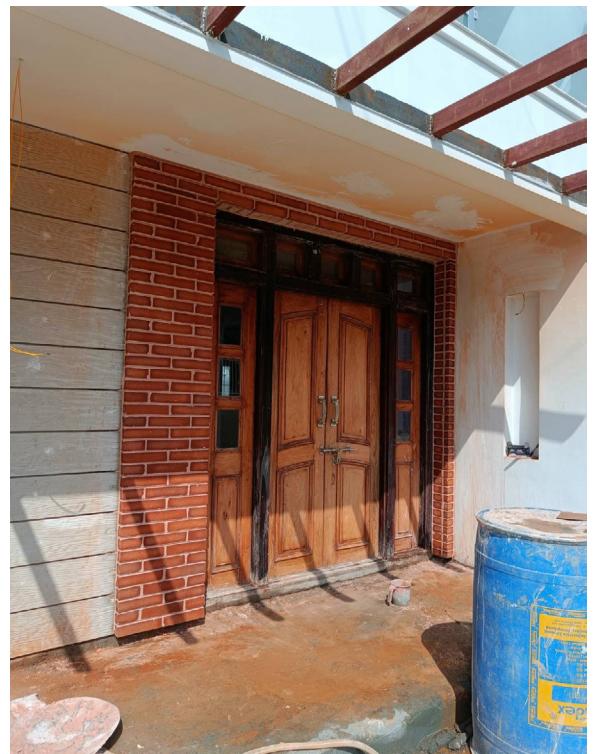


Figure: Second phase



Figure: Final Image after construction and finishing



Figure: Final Finish Image of the Interior of Personal Library Space

The above image is re-designed living room into library space by incorporating client requirement with groove centred shelf . The curtain pelmet looks stunning with the laced white curtains which are semi transparent. The space was demanded to be minimalistic yet beautiful as we can see the final work.

## HOTEL INTERIOR

Construction of Interior of the Hotel where the images show the initial and final finished phase of the room. One of the example of model room is shown through pictures.



Figure: Starting phase of the site



Figure: Construction phase showing wood veneer panelling in the wall.



Figure: Construction phase showing Interior of TV Shelf and Cabinet

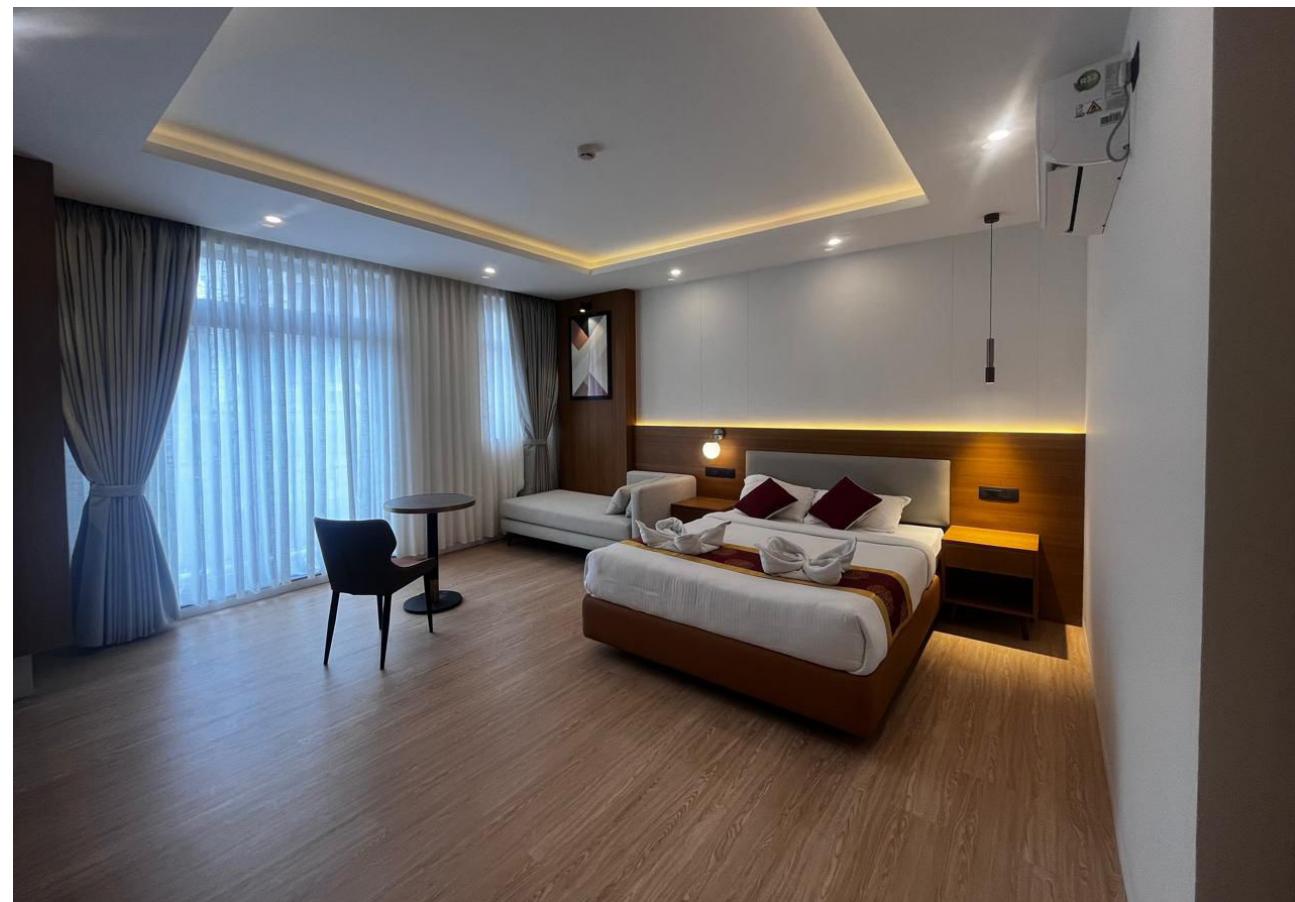


Figure: Finalized image of the hotel room facing the bedside



Figure: Finalized Image of the hotel room towards the entrance

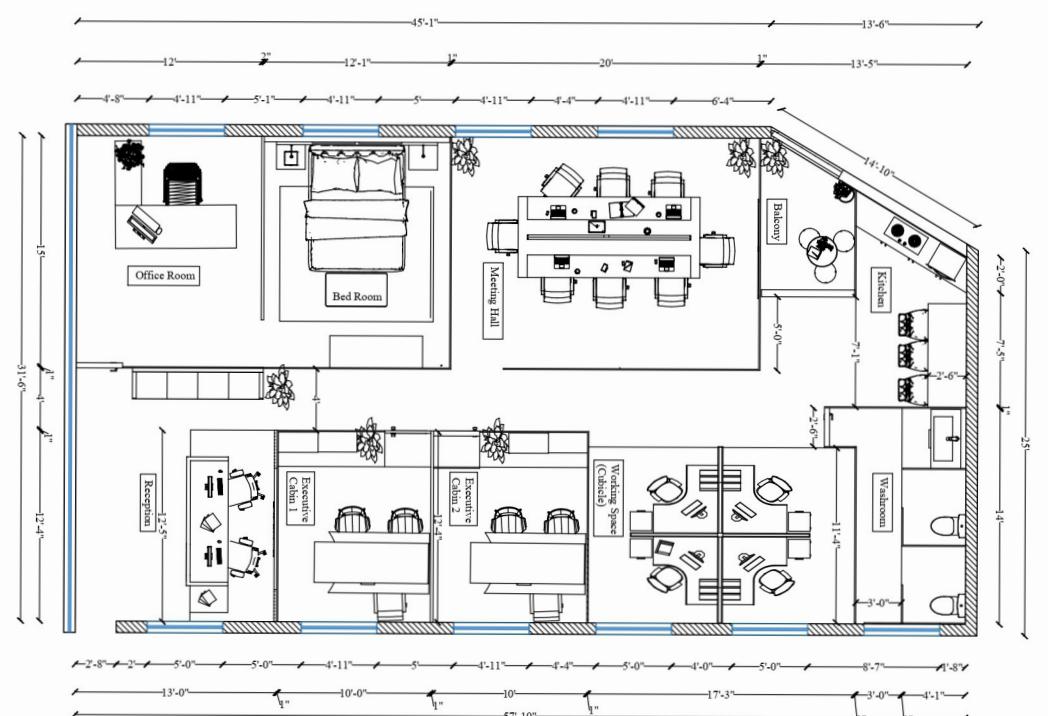


Figure: Technical Top View Drawing

The three-dimensional layout is displayed in an axonometric view, highlighting the Space-related connections and flow between areas, such as individual cubicles, a combination work area, conference space, and the cabin of the manager. The top view gives a distinct floor layout to divide the space belonging, while specific perspectives of the reception as well as a private office space emphasize a certain design components. The detail photos of furniture for the construction is also enhanced for easier visualization.



Figure: Axonometric Detail of the 3D view



Figure: Office Cabin View



Figure: Changed Reception in Site Entrance - As per Clients Requirement

**THANK YOU**

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