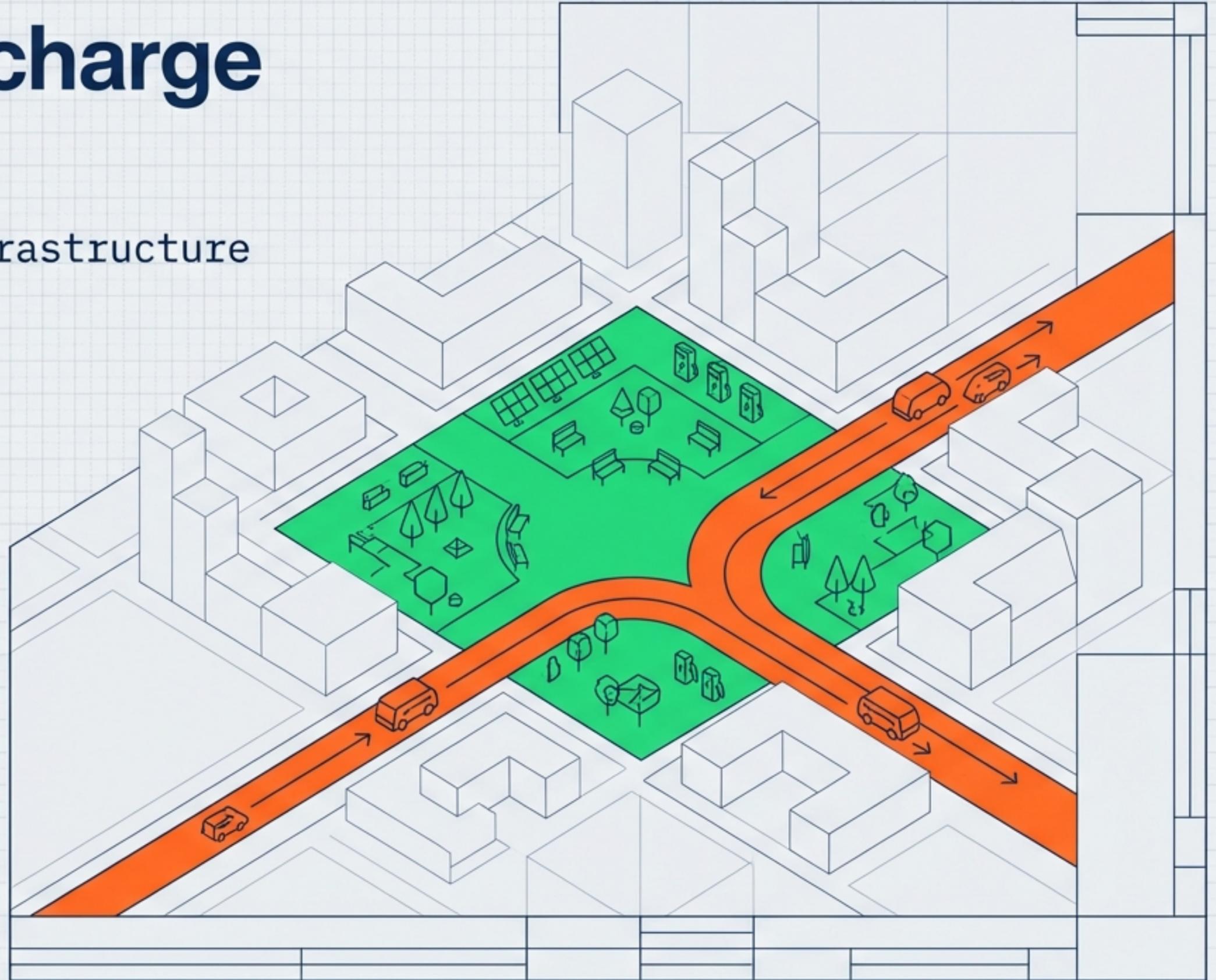


The Urban Recharge Masterplan

Evolutionary Transit Infrastructure for the Growing City



The Transit Downtime Gap

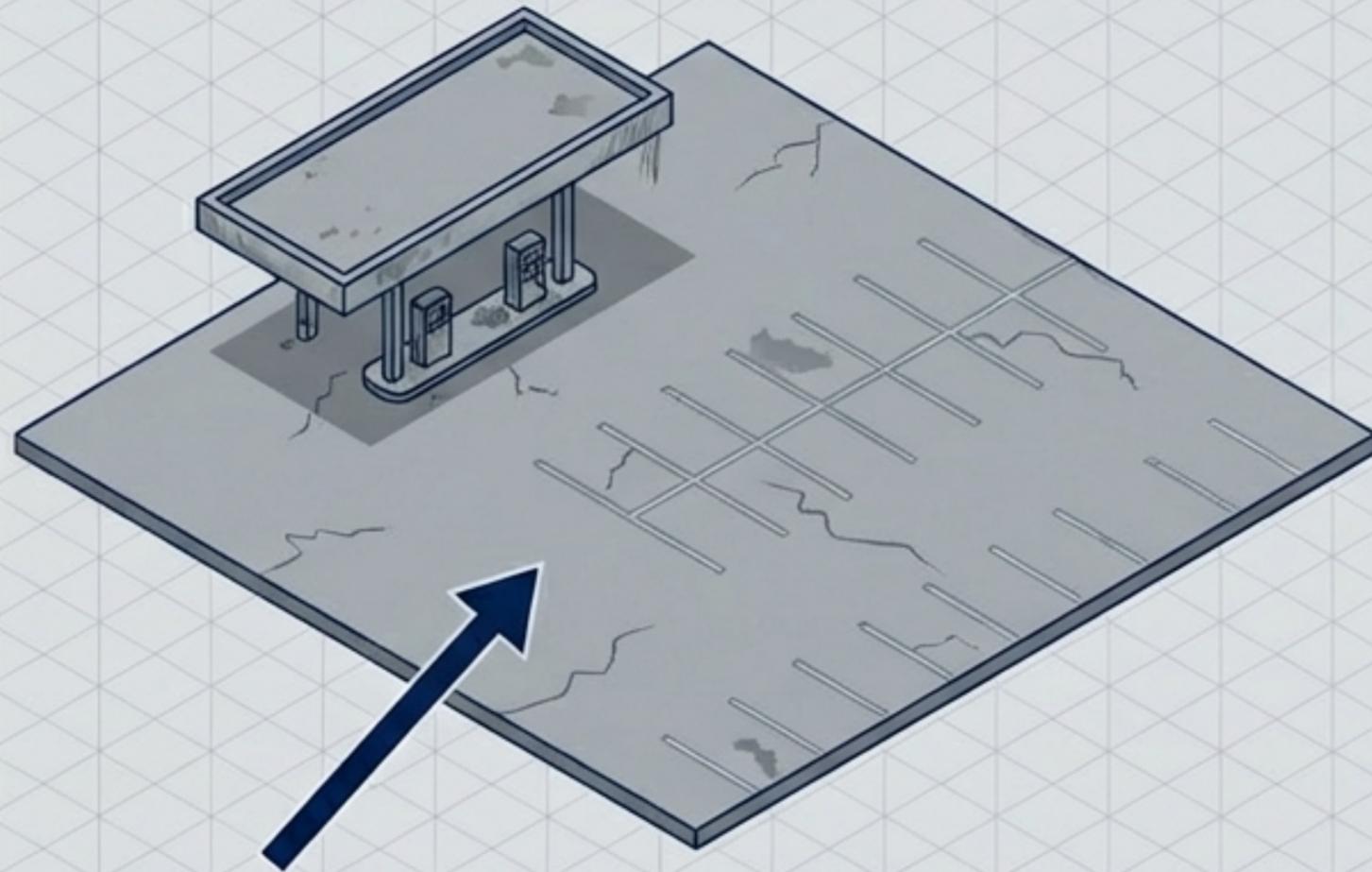
Even on a fast charge, an EV requires an average of seven minutes. Traditional legacy infrastructure is not designed to comfortably accommodate this wait.



Urban Geography Recycling

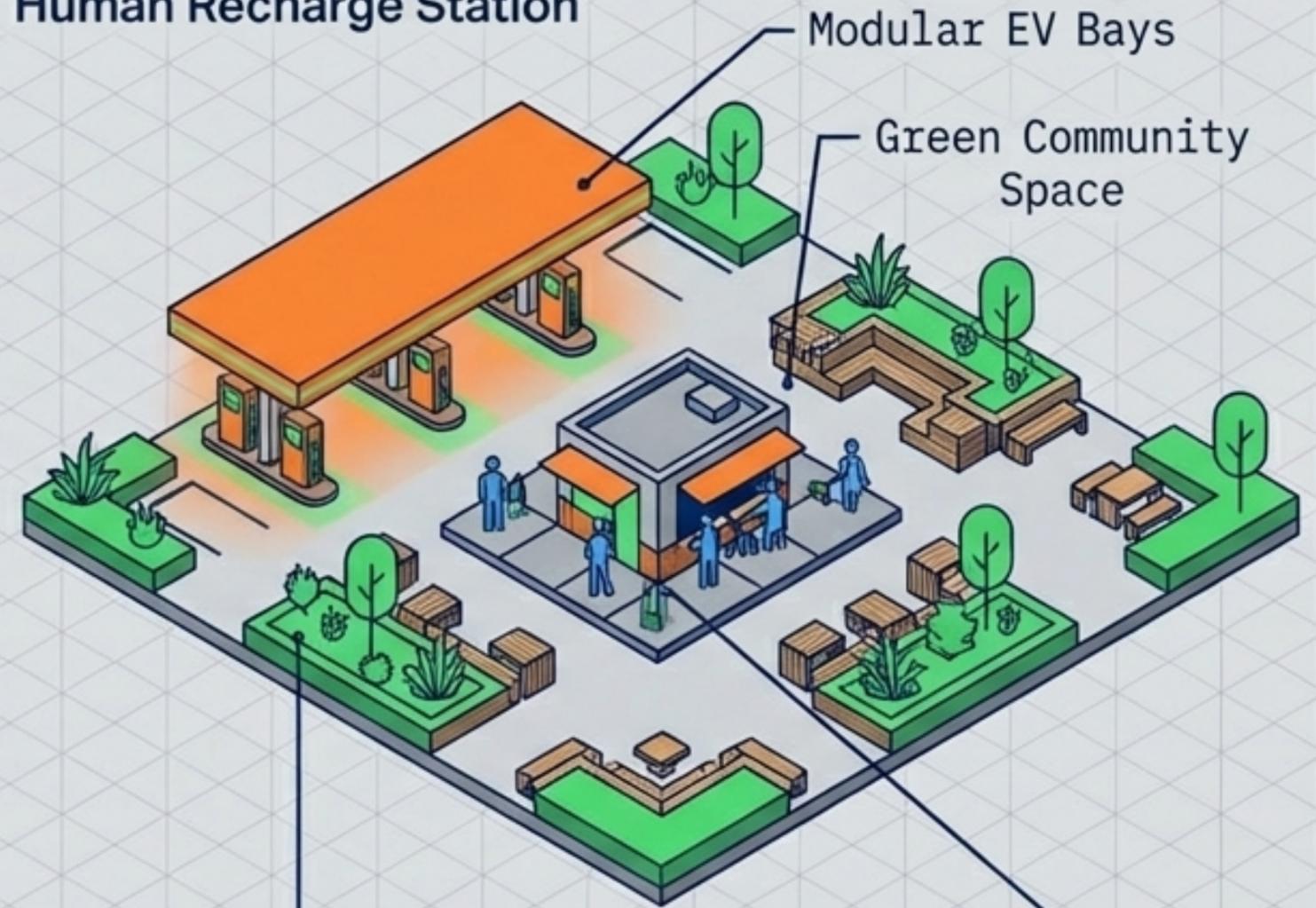
Rejecting expensive, revolutionary construction in favor of sustainable, evolutionary urban planning.

Stranded Asset



Aging Infrastructure
& Poorly Used Space

Human Recharge Station



Modular EV Bays

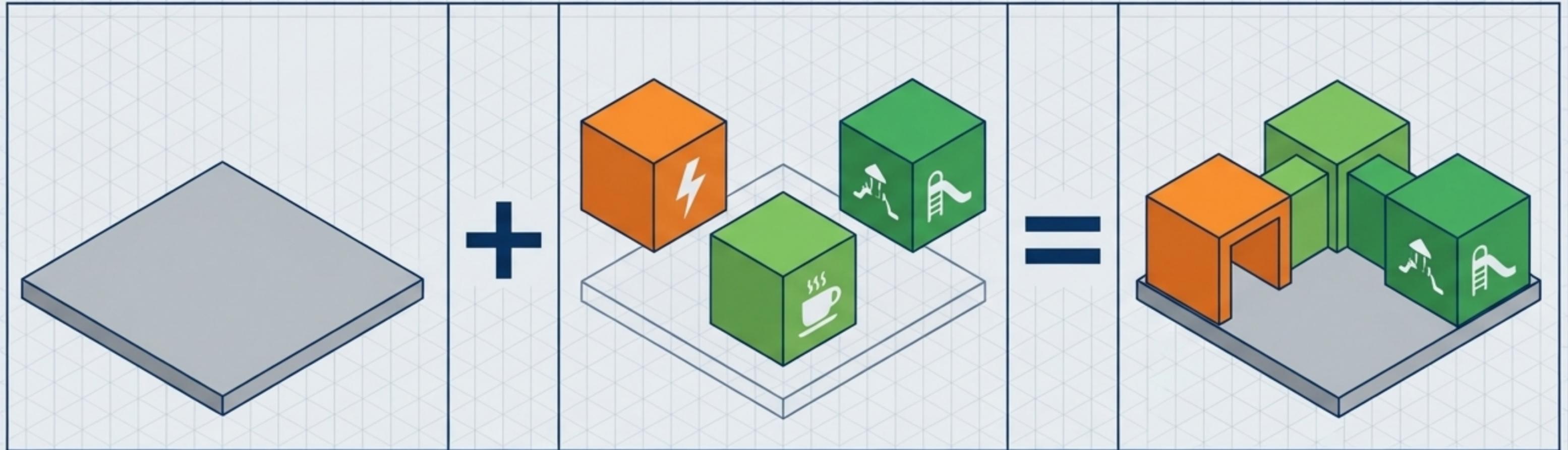
Green Community Space

Green Community Space

Compact Cafe Asset

The Evolutionary Construction Engine

Assembly over Invention: Utilizing “Lotting” Methodology



1. Identify Land

Source underutilized lot or stranded asset.

2. Source Modules

Off-the-shelf, pre-tested assets:
Charging Bay + Kiosk + Playground.

3. Assemble Community Package

A functional transit rest stop built
without bespoke architecture.

Zoning Typology Matrix

A scalable framework designed to fit distinct urban and rural geographies.

Criteria	Typology S <input type="checkbox"/>	Typology M <input type="checkbox"/>	Typology L <input checked="" type="checkbox"/>
Target Urban Density	High-Density Core	Lower-Density/ Suburban	Out-of-Center / Rural
Highway Proximity	2-Lane Urban	4-Lane Expressway	4-to-8 Lane Motorway
Core EV Tech	<input checked="" type="checkbox"/> Fast Bays	<input checked="" type="checkbox"/> Fast Bays	<input checked="" type="checkbox"/> Massive Hub
Human Amenities	Toilets, Coffee, Small Parklet	Expanded Dining, Large Playground	Full Recreation, Dedicated Library
Retail Integration	None	Supermarkets & Errands	Full Retail & Worker Village

Typology S: The High-Density Node

Zoning Target:

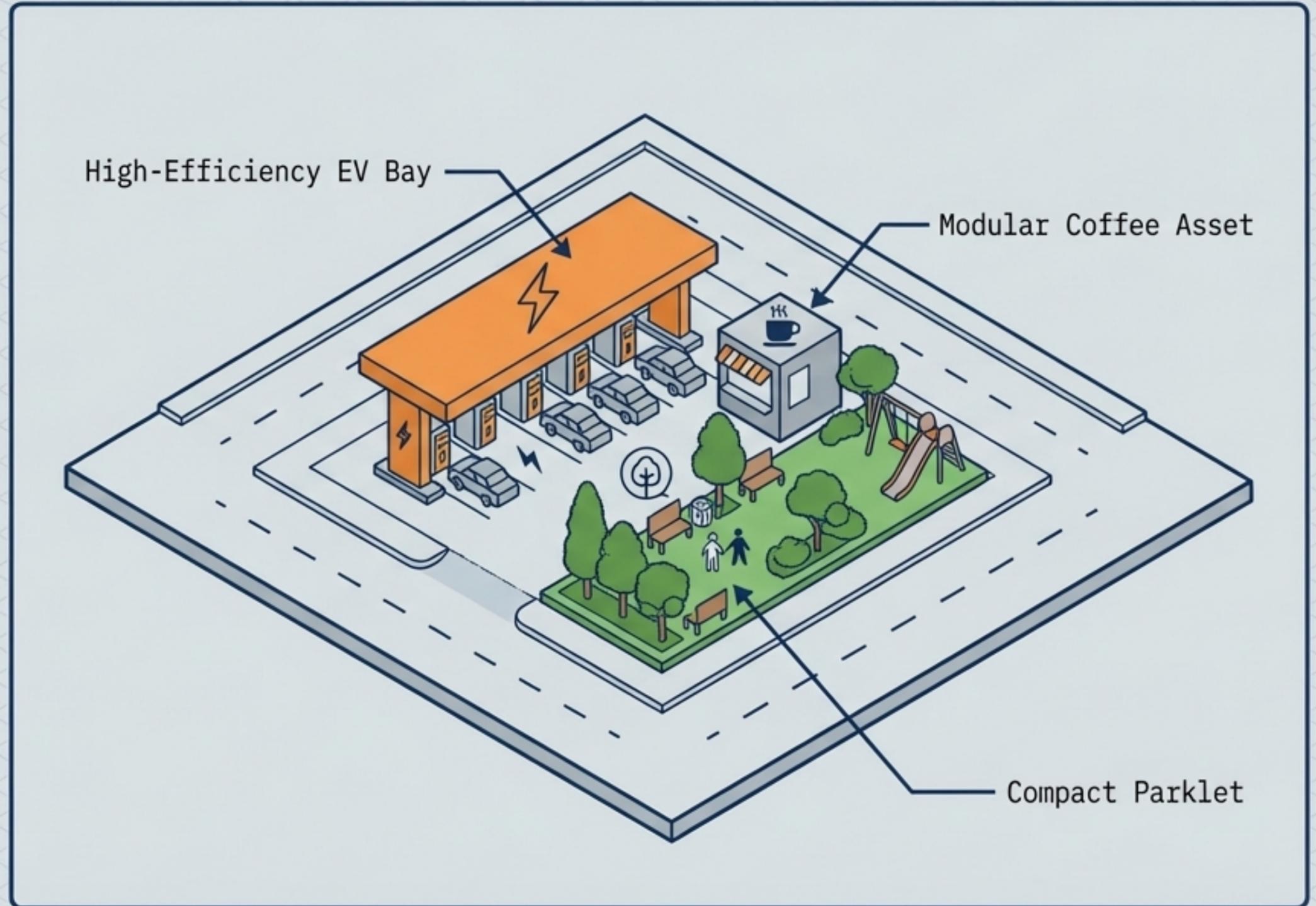
High-density urban areas with limited space or 2-lane national highways.

Amenity Core:

- Fast-charging EV points
- Accessible toilets / baby changing
- Compact food trucks & coffee kiosks
- Small playground & green sitting area

Exclusion:

Explicitly omits large retail and repair centers to respect the constrained footprint.



Typology M: The Suburban Anchor

Zoning Target:

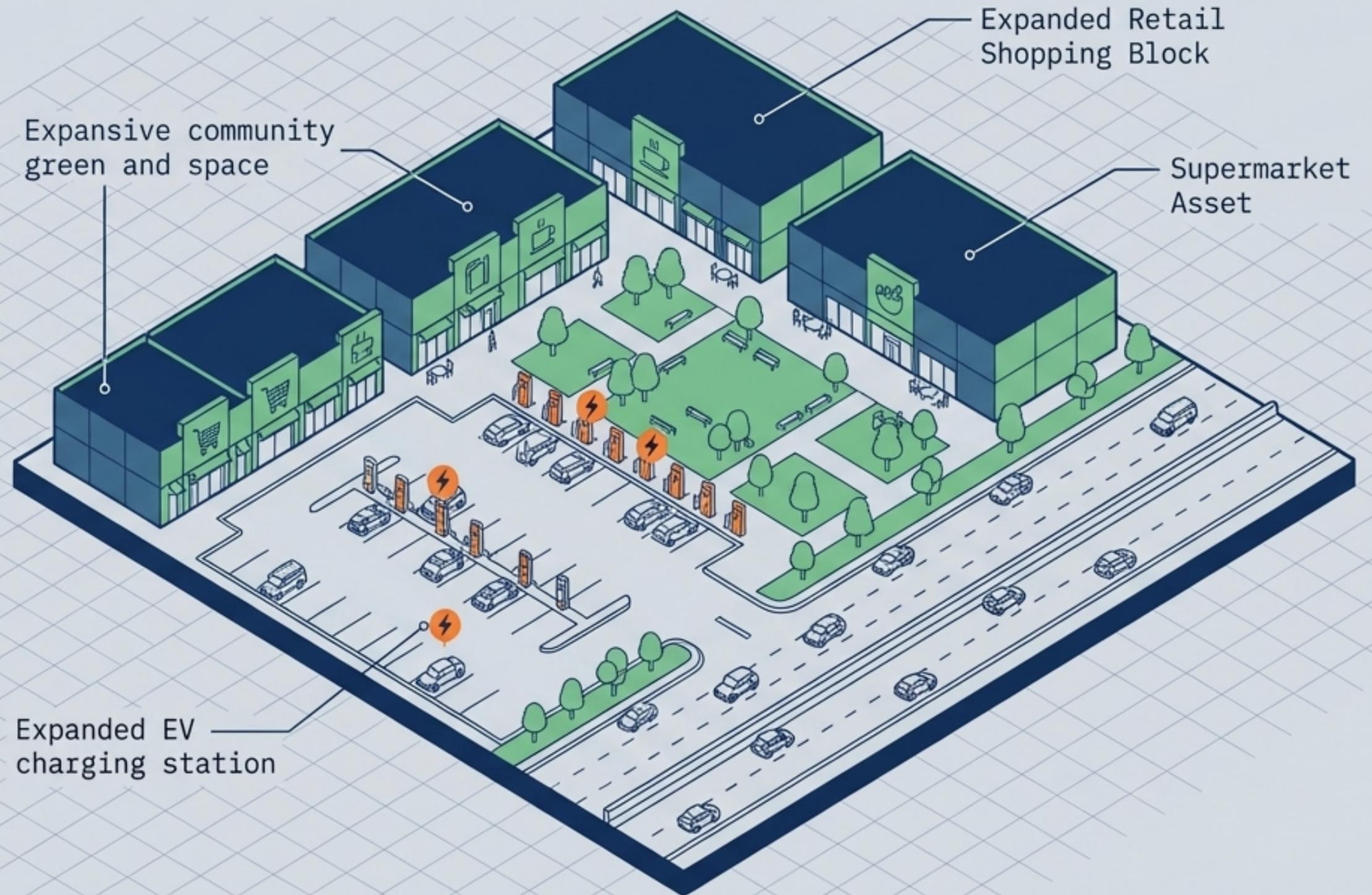
Lower-density urban areas or 4-lane expressways.

Expanded Amenities:

- All baseline Typology S features
- Expanded dining (sit-down cafes)
- Supermarkets and retail shops for efficient errand-running

Exclusion:

Dedicated gas pumps and libraries remain omitted.

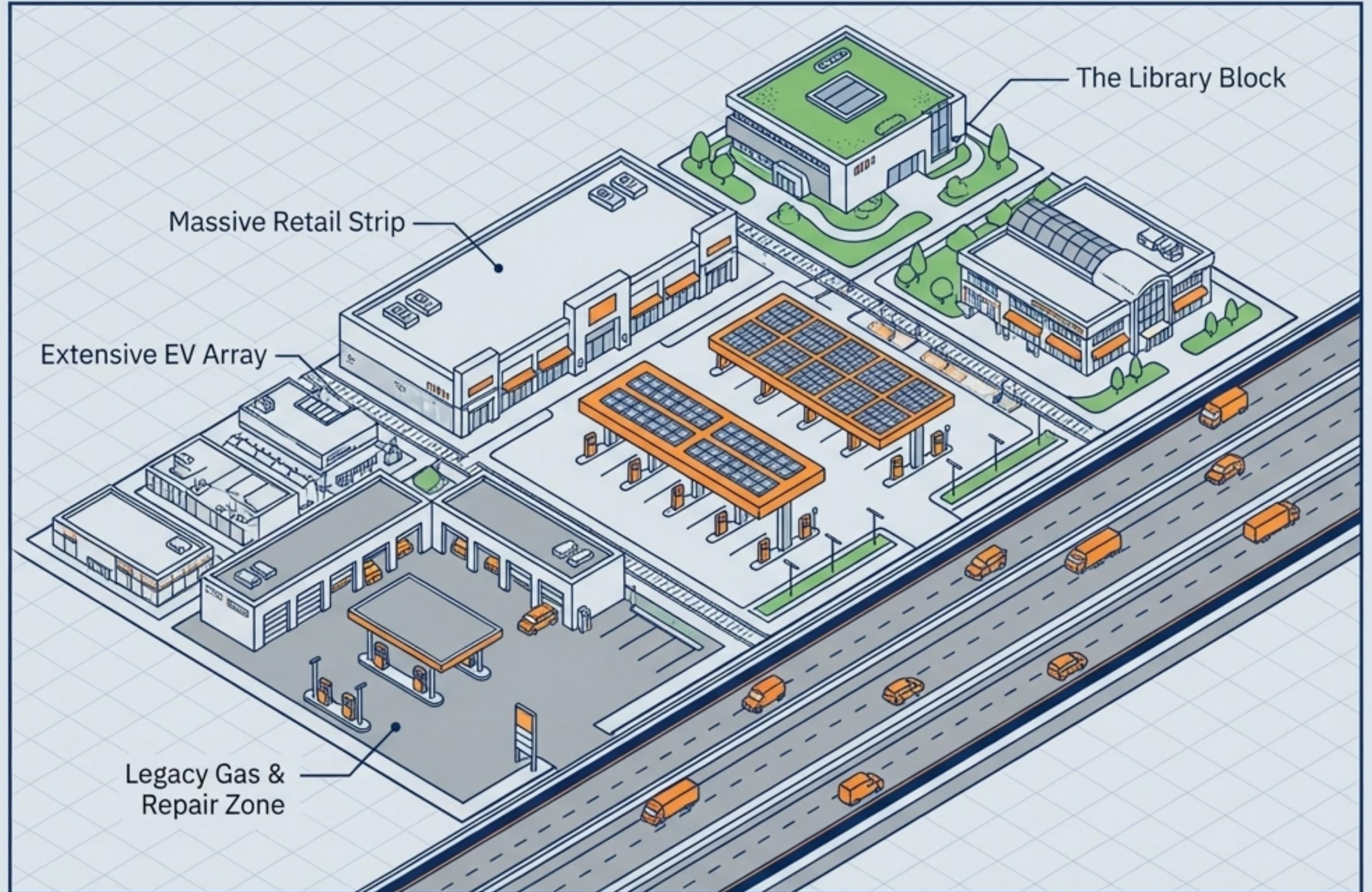


Typology L: The Out-of-Center Destination

Zoning Target: Major 4-to-8 lane inter-city motorways.

Unique Destination Amenities:

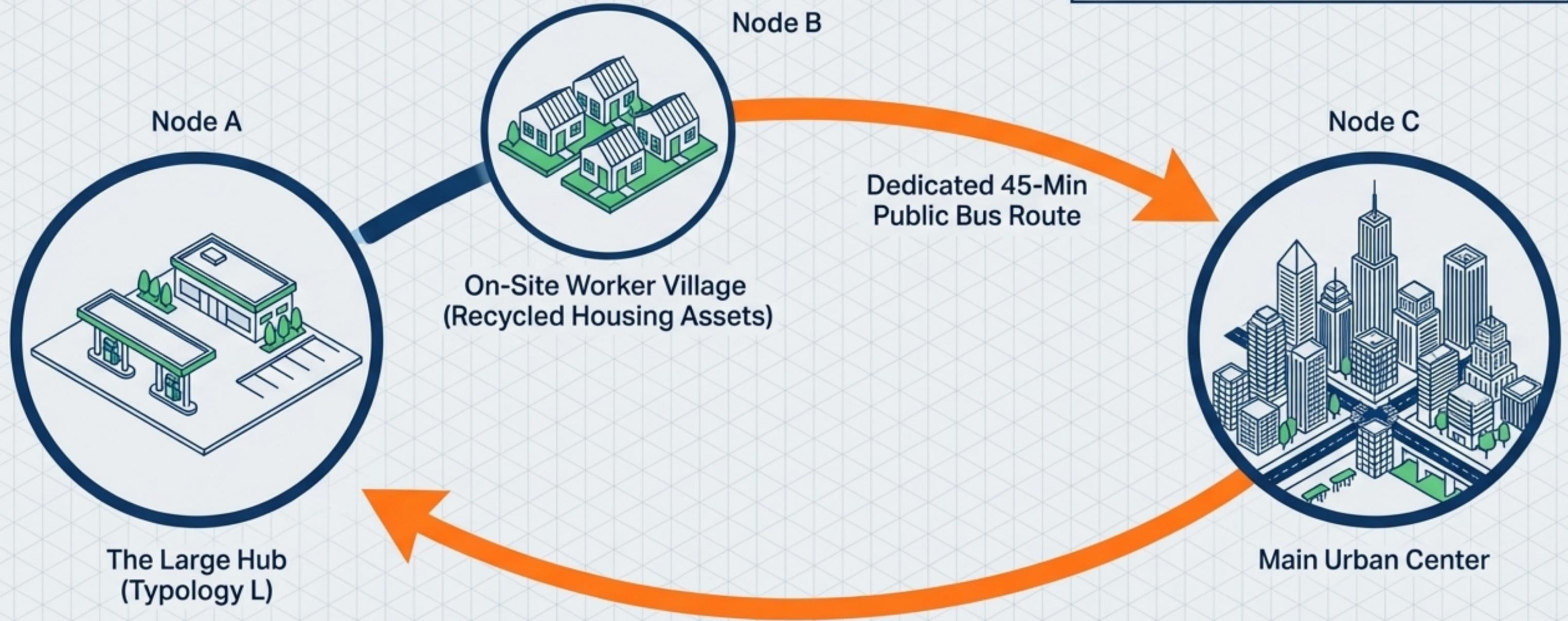
- Vast array of standard & fast EV bays
- Legacy gas stations (to aid EV transition)
- Legacy gas stations
- On-site vehicle repair centers
- Full retail strip
- Dedicated library/bookstore for extended rainy-day charging waits



The Symbiotic Transit Loop

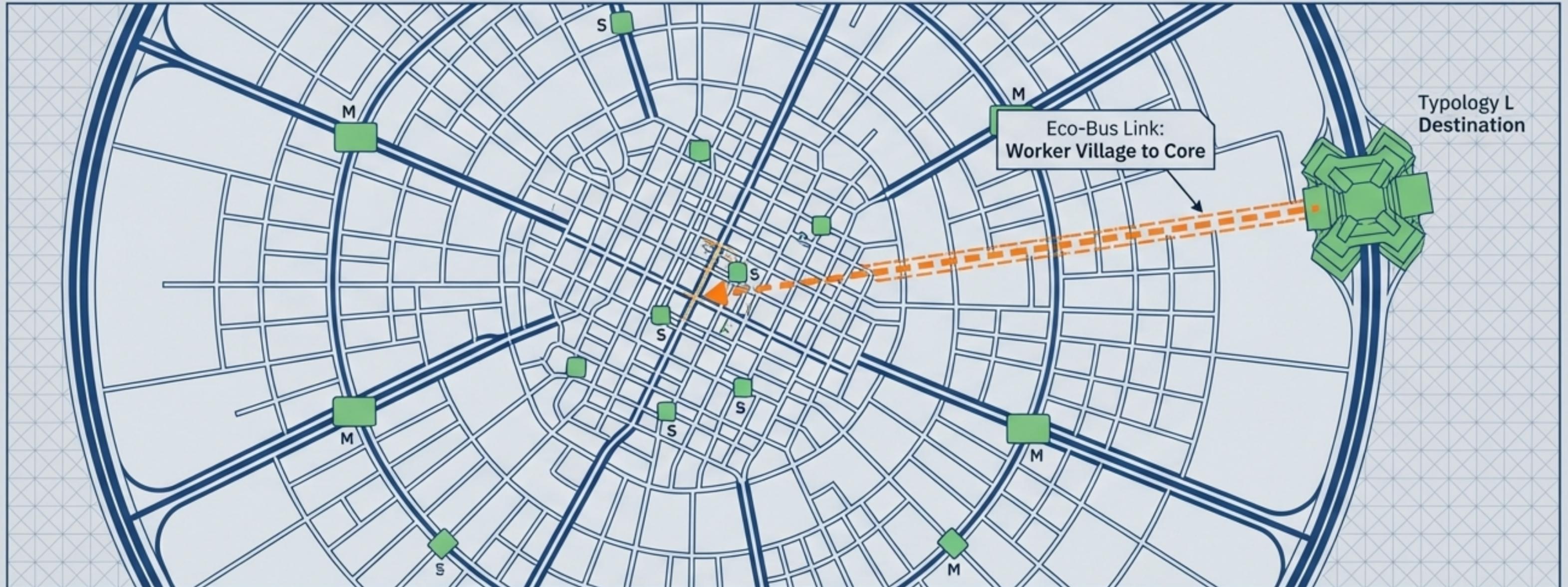
Sustainable Workforce Management for Typology L

Utilizes off-the-shelf housing assets to create a localized worker village, eliminating individual staff car ownership via a dedicated 45-minute eco-bus link.



The Networked City Ecosystem

- Typology S serves the dense urban core.
- Typology M supports the branching suburban expressways.
- Typology L anchors the outer inter-city perimeter.



Charging Forward: An Evolutionary Blueprint

Prioritize human utility and comfort during the mandatory EV downtime gap.

Utilize "Urban Geography recycling" to transform stranded assets into community value.

Deploy off-the-shelf, scalable typologies to meet the immediate needs of sustainable transit.

