



Demo App

<https://ardexplorer.geodars.com/>

Introduction

Community

Market

Land Purchase

ARD EXPLORER
GUIDE TO SMARTER CITIES

Select Phase: - All -

Select Sector: - All -

Select Block: - All -

Select Plot: - All -

Community Market Land Purchase Find address or place

Explore your community like never before! This interactive web application is designed to give you complete access to the City's town plan, available plots, and community activities – all in one place.

Use the navigation tabs to:

Explorer Market
Available plots for sale, rent. Tools and filter are available to assist in decision making

Land Purchases
How much land is purchased by City, status of each purchase

Community
Stay updated on upcoming events and submit or view complaints.

For any Queries, feel free to contact
shawaz@geodars.com
+92 314 4756740

GEODARS
Geographic Data Analytics & Reporting Solutions

200 m
1,000 ft

Esri Community Maps Contributors, Delray Beach GIS, FDER, © OpenStreetMap, Microsoft, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Cens... Powered by Esri



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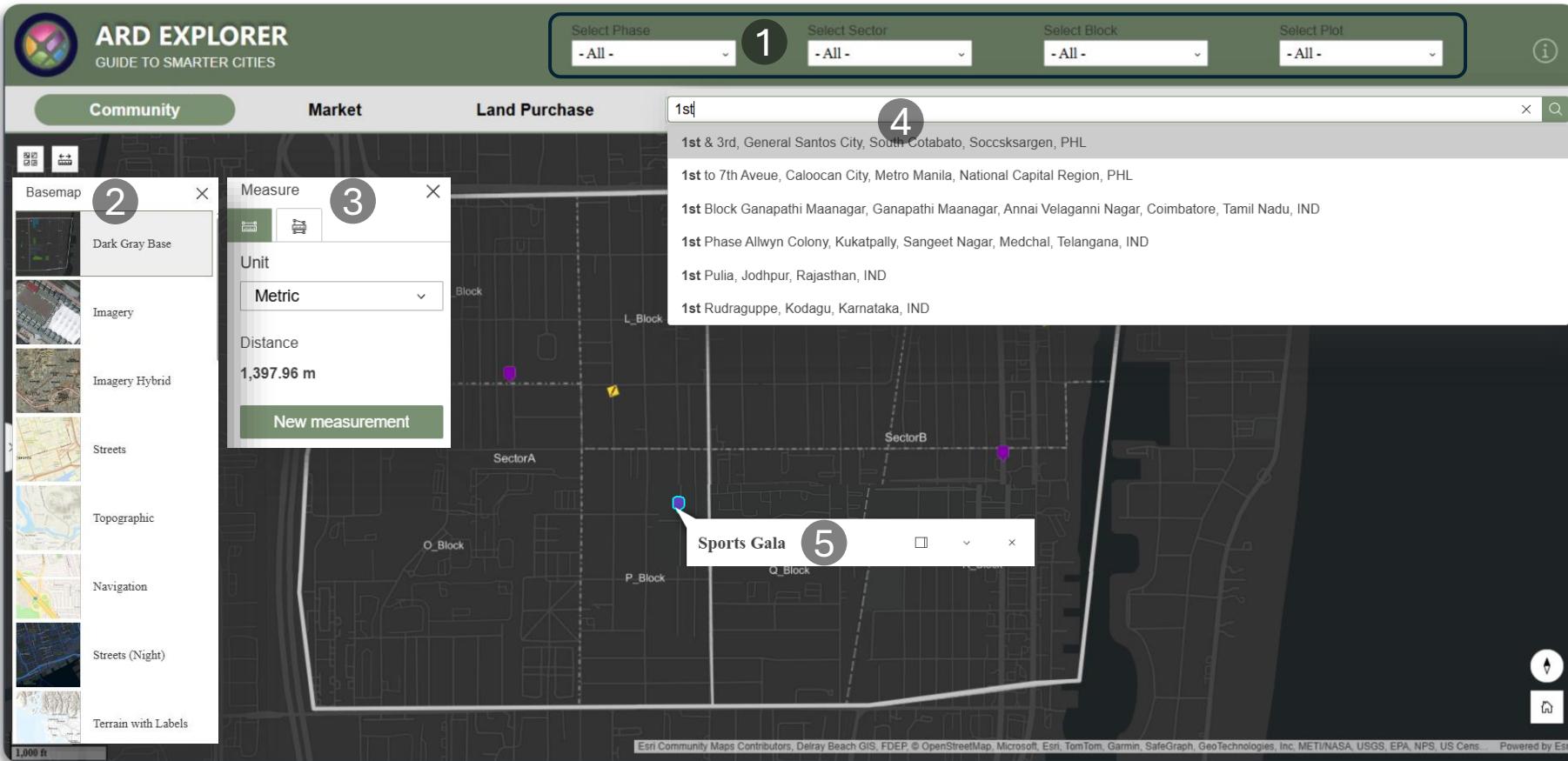
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1. Filter Phase, Sector, Block, Plot data on Map
2. Change Background Map (i.e. Satellite Image, Street View, Topographic View etc.)
3. Measure Area / Length
4. Search and Find Locations
5. Click on Map feature to get more information





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Community - Events & Notifications

- Events and notifications are displayed both on the map and in a list.
- Clicking an item in the list zooms to the corresponding location on the map.
- The list view can be enhanced with additional information and action buttons for each feature.

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GUIDE TO SMARTER CITIES

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Events

Complains Layers

Find address or place

Events

Sports Gala - July 4, 2025 at 5:00 AM
Sports Gala is a fun-filled community event aimed at promoting fitness, teamwork, and social bonding. Residents of all ages are invited to participate in various sports and games for a day full of

Community Gathering - July 17, 2025 at 5:00 AM
"The function has been postponed due to unforeseen circumstances. A new date and time will be announced soon."

Tree Plantation Day
Tree Plantation Day is organized to promote environmental awareness and encourage residents to contribute to a greener and healthier community. Join us in planting trees across the society to

200 m
500 ft

Tree Plantation Day

Address: 554 phase 2
Comments: Tree Plantation Day is organized to promote environmental awareness and encourage residents to

200 m
500 ft

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Community - Complains

- Displays a list of registered complaints with their map locations.
- Users can view complaint details and track statuses directly from the map or list.
- Allows public data collection to register new complaints with location tagging

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Events Complains Layers

+ REGISTER COMPLAIN

Gas meter problem - 7/1/2025, 12:12 PM
The gas meter is not functioning properly. It may be showing incorrect readings, leaking, or completely non-operational. Requesting inspection

Garbage Collection -
Description: Garbage has not been collected from the designated area for the past few days. The bins are overflowing, causing bad smell and

Comments Description: Garbage has not been collected from the designated area for the past few days. The bins are...

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Total: 2 | Selection: 1



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Community - Layers Panel

- Easily turn map information on or off as needed
- Focus only on the property details relevant to your task
- The map automatically adjusts what you see as you zoom in or out

The screenshot displays the ARD EXPLORER interface, a guide to smarter cities. The top navigation bar includes 'Select Phase' (All), 'Select Sector' (All), 'Select Block' (All), and 'Select Plot' (All). The main menu tabs are 'Community', 'Market', and 'Land Purchase', with 'Community' currently selected. The 'Layers' panel is open, showing the following categories and their sub-options:

- Events**
 - Community
 - Point of Interests
 - Security checkposts
 - Camera
 - Garbage collection sites
 - Notifications
 - Complains
 - Town Plan
 - Services
 - Plots
 - Roads
 - Tree
- Complains**
- Town Plan**
- Services**
 - Services
 - Mosque
 - Park
 - Parking
 - Utility
- Plots**

The main map view shows a detailed urban layout with various plot types and service icons. A legend at the bottom left indicates distances of 50 m and 200 ft. The bottom right corner includes copyright and powered-by Esri information.



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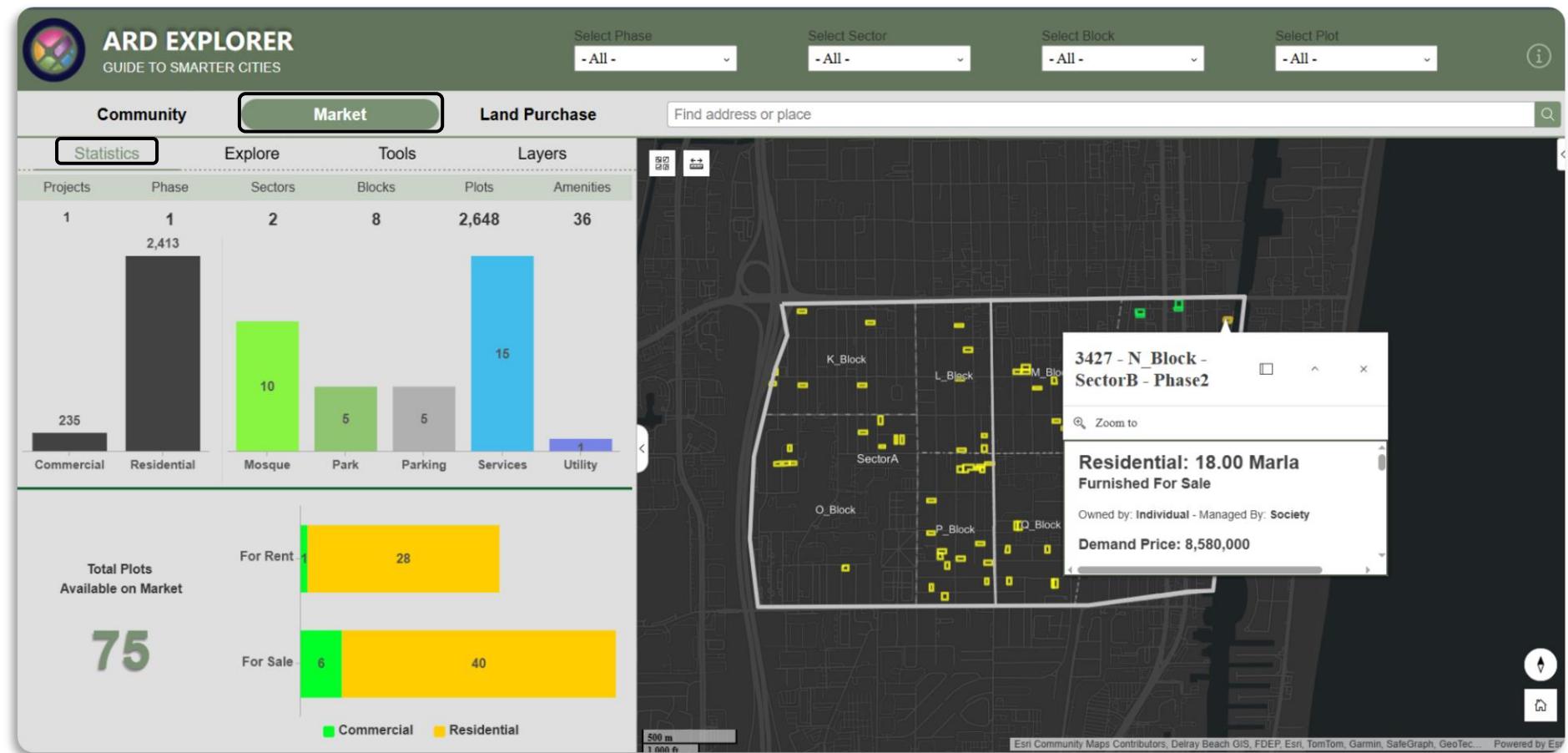
Explore

Tools

Layers

Market - Statistics

- View Town plan Overview at a glance
- Understand how many properties are available for sale or rent
- Use visual charts to quickly assess market availability





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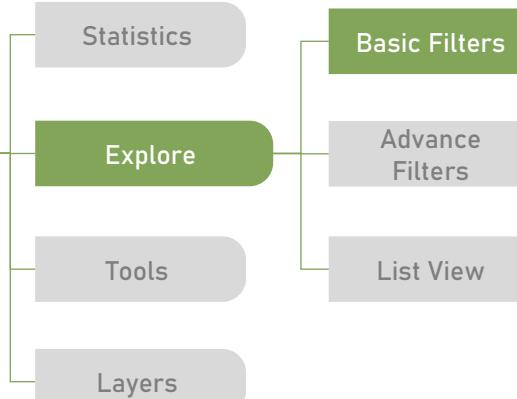
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Market - Explore - Basic Filters

- Narrow down plots by sale or rent, commercial or residential use
- Filter properties by construction status and ownership type
- Quickly find properties that match specific needs

ARD EXPLORER
GUIDE TO SMARTER CITIES

Community Market Land Purchase

Find address or place

Select Phase: - All - Select Sector: - All - Select Block: - All - Select Plot: - All - (i)

Basic Filters Advance Filters Toggle List

Looking for: For Rent, For Sale
Owned by: Individual, Society

Commercial, Residential
Size (Maria): and
Facing Road Width (Ft): 0 Selected
Furnished, Land
Ready To Move
Demand Price: and

Map area showing a city grid with blocks labeled K_Block, L_Block, M_Block, N_Block, O_Block, P_Block, Q_Block, R_Block, SectorA, and SectorB. A large rectangular selection box highlights a specific area on the map. The map includes a scale bar (500 m, 1,000 ft) and a compass rose.

500 m 1,000 ft

East Community Maps Contributors: Delray Beach GIS, FDEP, Esri, TomTom, Garmin, SafeGraph, GeoTec. Powered by Esri



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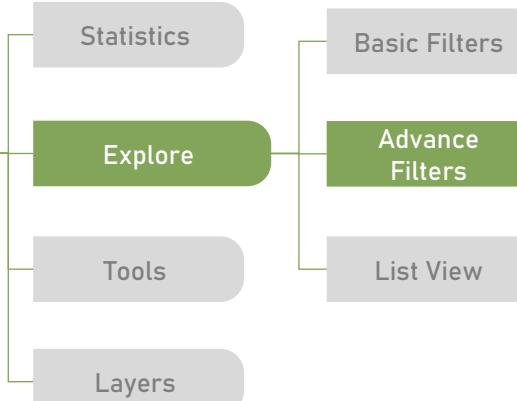
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Market - Explore - Advance Filters

- Identify plots near key amenities such as commercial areas and parks
- Filter properties based on location advantages like park-facing or commercial-facing
- Select plots by infrastructure features such as road width, internet, and electricity availability

ARD EXPLORER
GUIDE TO SMARTER CITIES

Community Market Land Purchase

Find address or place

Select Phase: - All - Select Sector: - All - Select Block: - All - Select Plot: - All -

Market Tab Selected

Explore Tab Selected

Basic Filters Advance Filters

Toggle List

Direction: 1 Selected

Corner Plot

Irregular Plot

Park Facing Plot

Commercial Facing Plot

Closed Street Plot

Near Park (within 1km)

Near Mosque (within 1km)

Near Commercial (within 1 KM)

Near School (within 1km)

Electricity Available

200 m 1,000 ft

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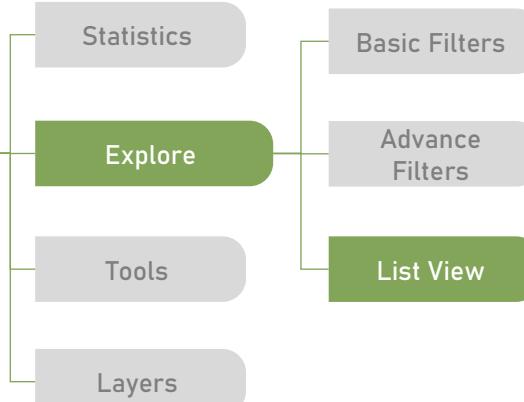
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Market - Explore - Toggle List

- View all filtered plots in a clear, easy-to-scan list
- Select a property from the list to instantly locate it on the map
- Click on a plot to access detailed property information

The screenshot shows the ARD Explorer interface with the Market tab selected. On the left, a sidebar contains basic filters for Direction (4 Selected), including Corner Plot, Irregular Plot, Park Facing Plot, Commercial Facing Plot, Closed Street Plot, Near Park (within 1km), Near Mosque (within 1km), Near Commercial (within 1 KM), Near School (within 1km), and Electricity Available. The main area displays a map of a residential area with several plots labeled with IDs like 11771, 10704, 9718, 5708, 5707, 5705, 4169, 11822, 3488, 3350, 3105, 7943, 7205, 3161, 2724, 3387, 5654, and 2056. A plot with ID 5712 is highlighted with a yellow box. To the right of the map is a list of plots with their details:

Plot ID	Plot Type	Address	Description	Image
5712 - L_Block - SectorA - Phase2	Residential 25.00	Marla Furnished	For Sale Owned by: Individual Demand Price: 9,650,000.00	
6434 - L_Block - SectorA - Phase2	Residential 25.00	Marla Ready To Move	For Rent Owned by: Individual Demand Price: 107,000.00	
6966 - P_Block - SectorA - Phase2	Residential 26.00	Marla	For Sale Owned by: Individual Demand Price: 107,000.00	
8451 - M_Block - SectorB - Phase2	Residential 30.00	Marla Ready To Move	For Rent Owned by: Society Demand Price: 96,000.00	
8498 - P_Block - SectorA - Phase2	Residential 30.00	Marla Furnished	For Sale Owned by: Individual Demand Price: 96,000.00	



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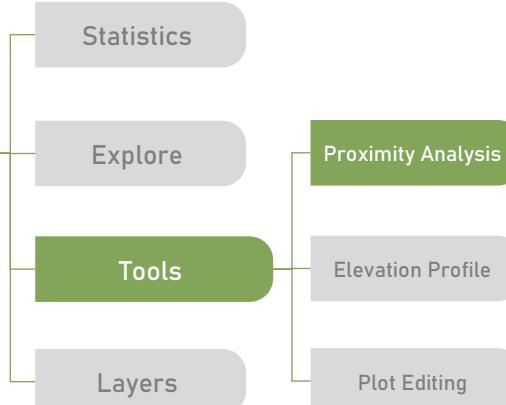
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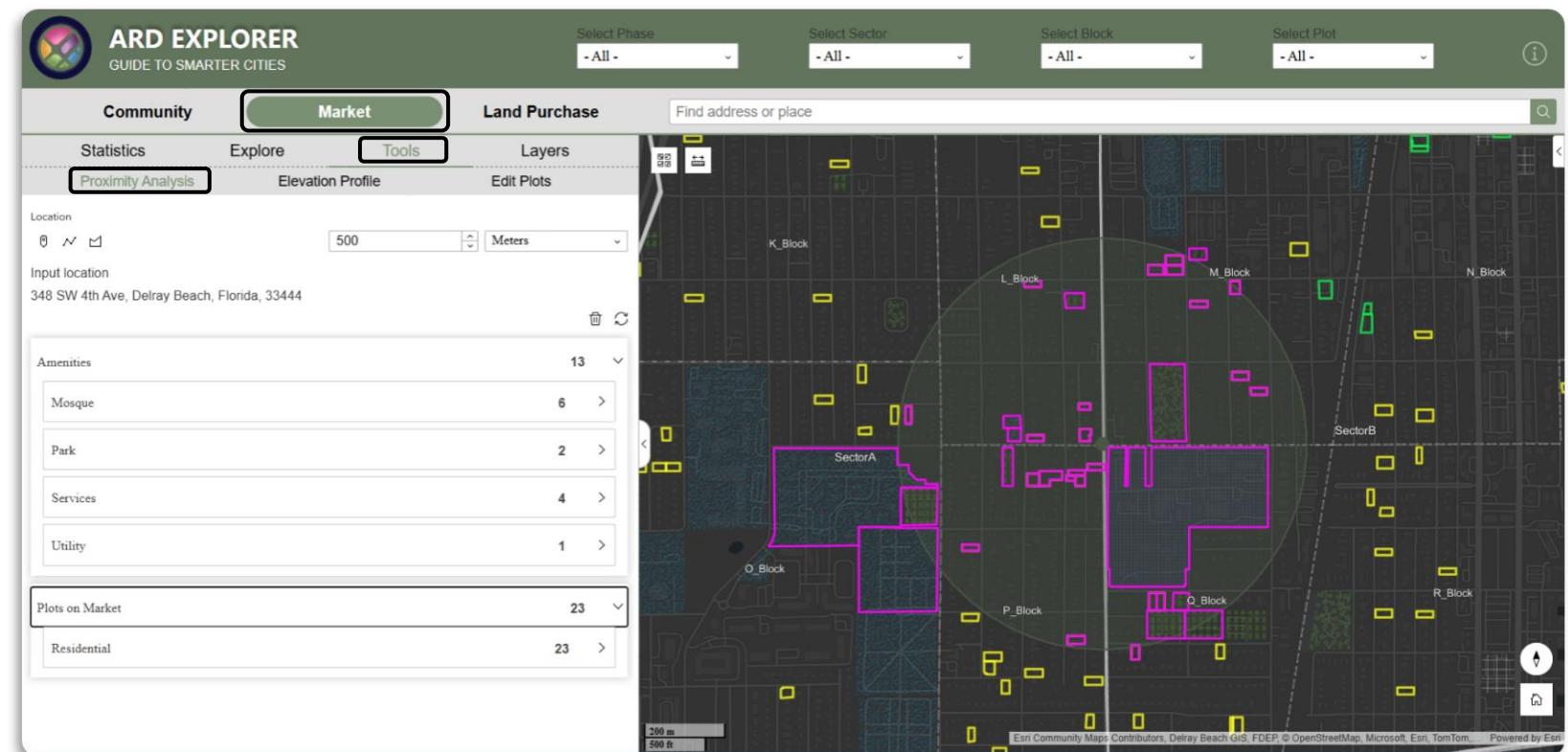
Market

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Market – Tools – Proximity Analysis

- Analyze what is available around a selected location within a chosen distance
- View nearby amenities such as parks, mosques, and essential services
- See a clear summary of available plots, grouped by residential or commercial and sale or rent





Demo App

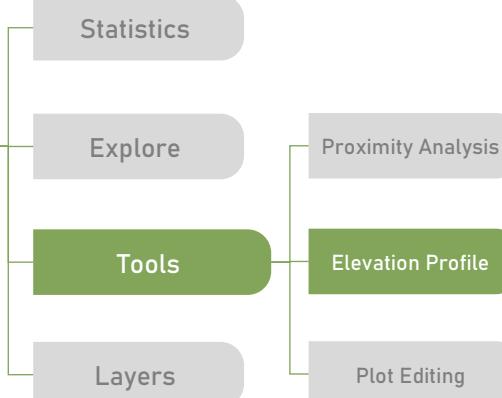
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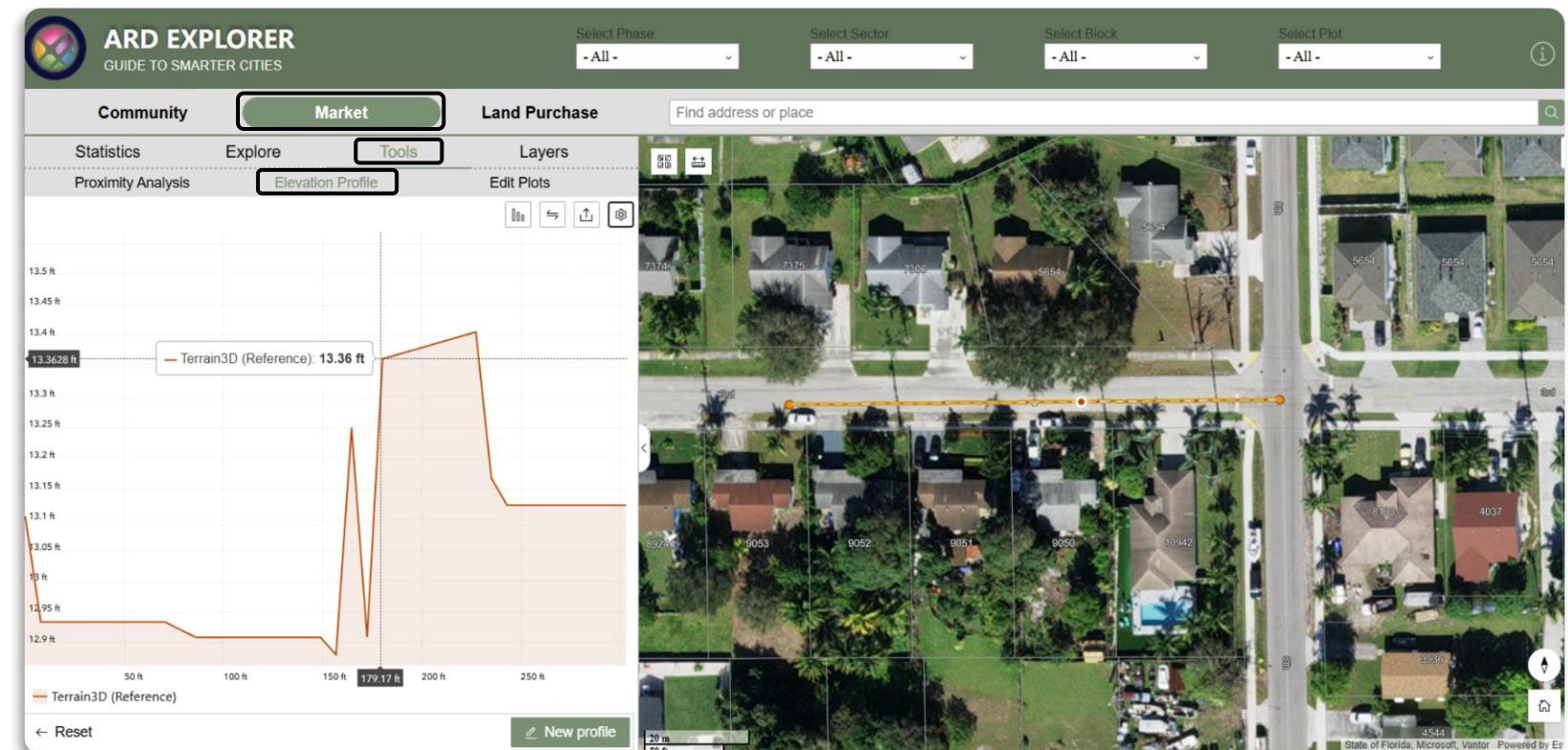
Market

Land Purchase



Market – Tools – Elevation Profile

- Draw a line on the map to generate an interactive elevation chart
- Hover over the chart to view corresponding location markers on the map
- Customize units and export elevation data for further analysis





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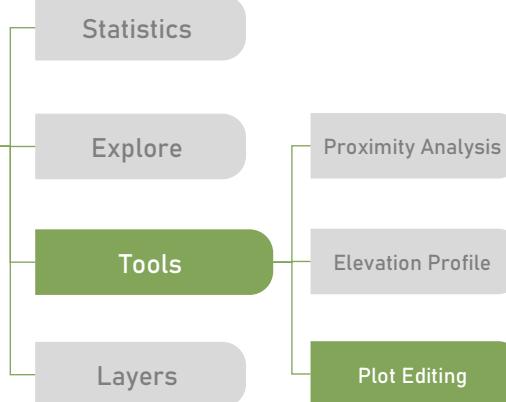
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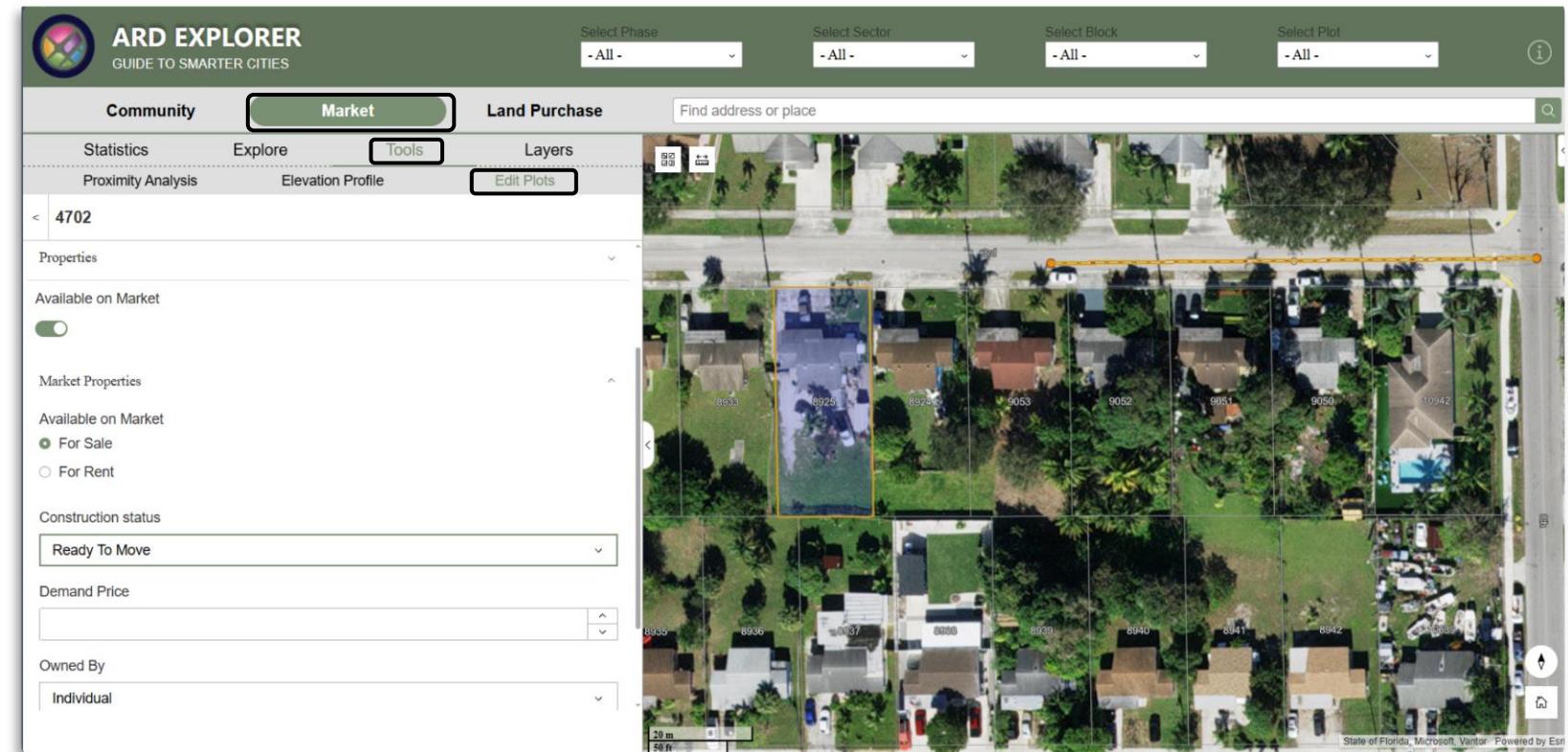
Market

Land Purchase



Market – Tools – Edit Plots

- Add or remove plots from the market with ease
- Update property details, demand price, and associated attributes
- Upload images and manage visual content for better property representation





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Market - Layers

- Toggle layers such as Town Plan and Utilities for better map visualization
- Layers appear or disappear dynamically based on user interaction and map extent
- Legend displays keys for visible items within the current map view for clarity



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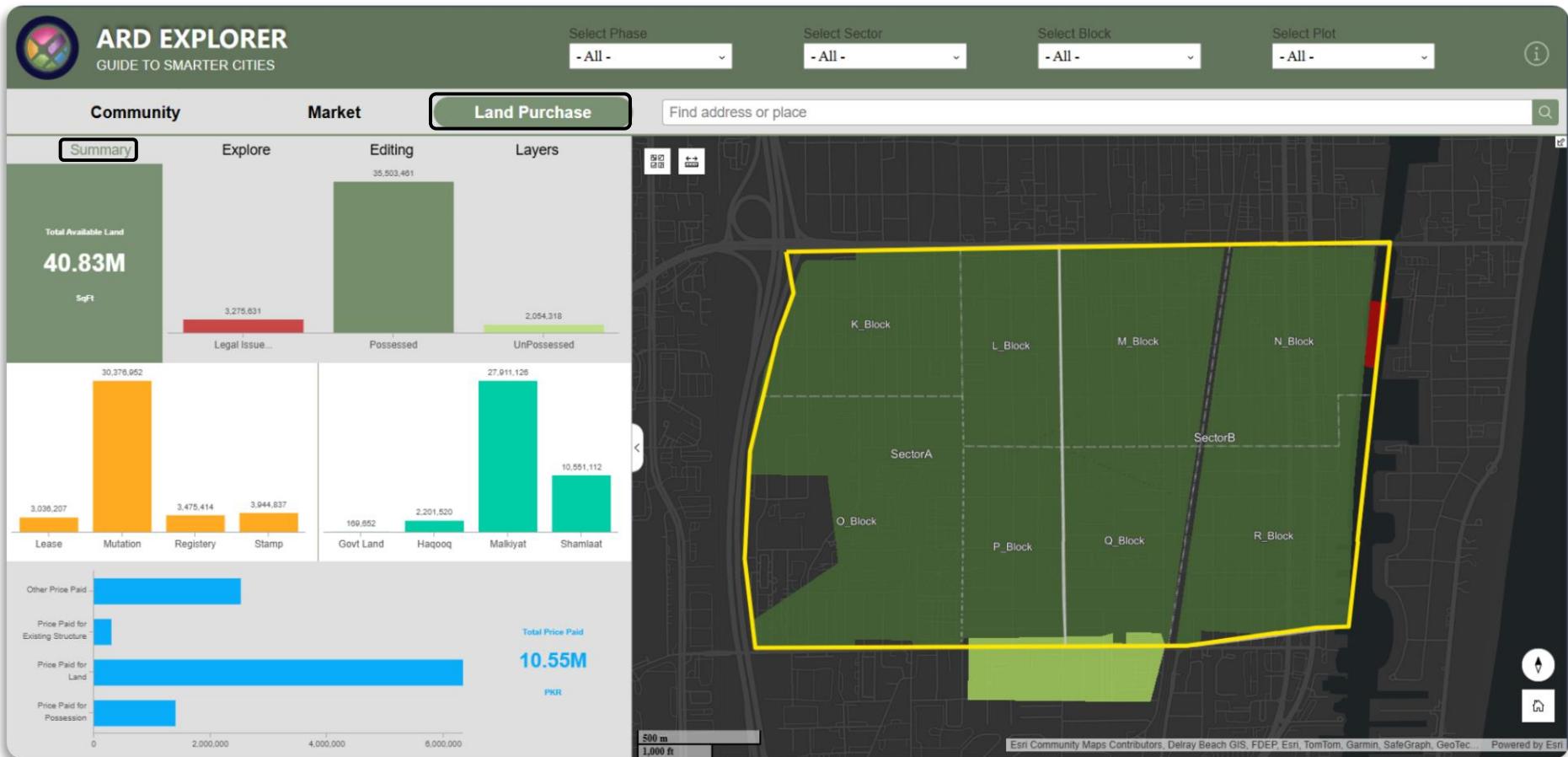
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Summary

Explore

Editing

Layers





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Land Purchase - Explore

- Browse a comprehensive list of purchased land entries with key details
- Access full property information and attached documents by selecting a list item or map feature
- Seamless navigation between summary view and detailed records for better decision-making

The screenshot displays the ARD EXPLORER application interface. The top navigation bar includes 'ARD EXPLORER' logo, 'GUIDE TO SMARTER CITIES', and four dropdown filters: 'Select Phase' (All), 'Select Sector' (All), 'Select Block' (All), and 'Select Plot' (All). A search bar 'Find address or place' is also present. The main interface is divided into several sections: a 'Community' tab with a 'Summary' button, a 'Market' tab, and a 'Land Purchase' tab (which is active and highlighted in green). Below these tabs is a 'Find address or place' search bar. The central area features a map with several land parcels outlined in yellow and green, labeled with blocks: L_Block, M_Block, N_Block, P_Block, Q_Block, R_Block, and SectorB. To the left of the map is a list of land purchase entries, each with a title, provider, mutation number, date, and land status. The right side of the interface shows a detailed document view for a specific entry, including a 'Document Number: 3457' header, a 'Possessed' status, and a table of detailed information such as Title, Land Status, Project, Phase, Mutation/Registry Date, Mutation/Registry Number, Record Provider Patwari Name, Record Status, Land Provider, Land Provider Details, and Land Provider Contact.

Land Status	3457
Land Status	Possessed
Project	ArdExplorer
Phase	Phase2
Mutation/Registry Date	7/21/25
Mutation/Registry Number	3457
Record Provider Patwari Name	Hamza
Record Status	Mutation
Land Provider	Shawaz
Land Provider Details	Bulk Land Provider
Land Provider Contact	923144756740



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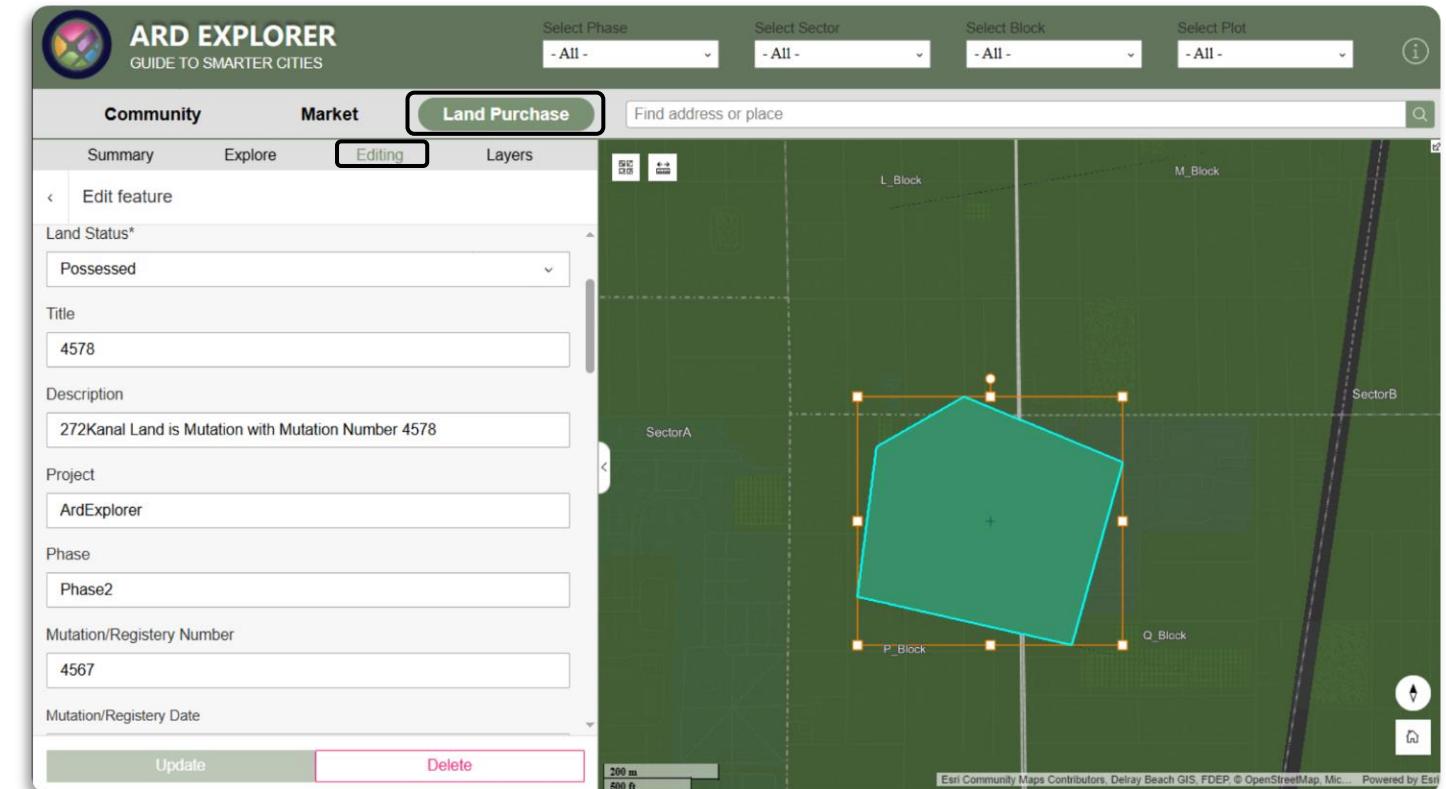
Explore

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Land Purchase - Editing

- Add new land purchase records with complete details and geometry
- Edit existing purchases, update properties, and modify spatial data
- Attach supporting documents for accurate and organized record-keeping





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Land Purchase – Layer Panel

- Toggle layers such as Town Plan and Purchased Land for better map visualization
- Layers appear or disappear dynamically based on user interaction and map extent
- Legend displays keys for visible items within the current map view for clarity



Fully Customizable Solution

As Per Client Needs

Add or remove map layers based on client needs

- e.g., plots, utilities, roads, amenities, etc.

Configure visible information for each layer

- customize attribute fields shown to users

Modify design and branding

- colors, logos, layout, and overall theme can be tailored

Customizable map filters

- e.g., filter plots by size, price, availability, or any other custom criteria

User Access Control

Define public vs internal user access

- Restrict or allow specific features for different user roles