

MASTERPLAN PERFORMANCE DASHBOARD



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1 GENERAL OVERVIEW

The GIS team at ROSHN MAPS shall provide a Masterplan Performance dashboard, accessible from within ROSHN MAPS GIS portal, tailored for authorized users across different teams. The dashboard empowers high level decision makers with a host of spatially enabled, dynamic KPIs across ROSHN communities and master plans, as well as tools for comparing different scenarios both spatially and statistically, while also serving as a forum for exchanging ideas and remarks through location based discussion threads.

2 BUSINESS PROCESS

- Site Analysis
- Master planning Feasibility
- Reports & Dashboards KPI

3 FUNCTIONAL REQUIREMENTS

Users of this dashboard want to see an interactive dashboard reflecting master plan performance based on certain KPIs.

- The application shows an interactive dashboard with a map component, charts, counts, indicators and action buttons



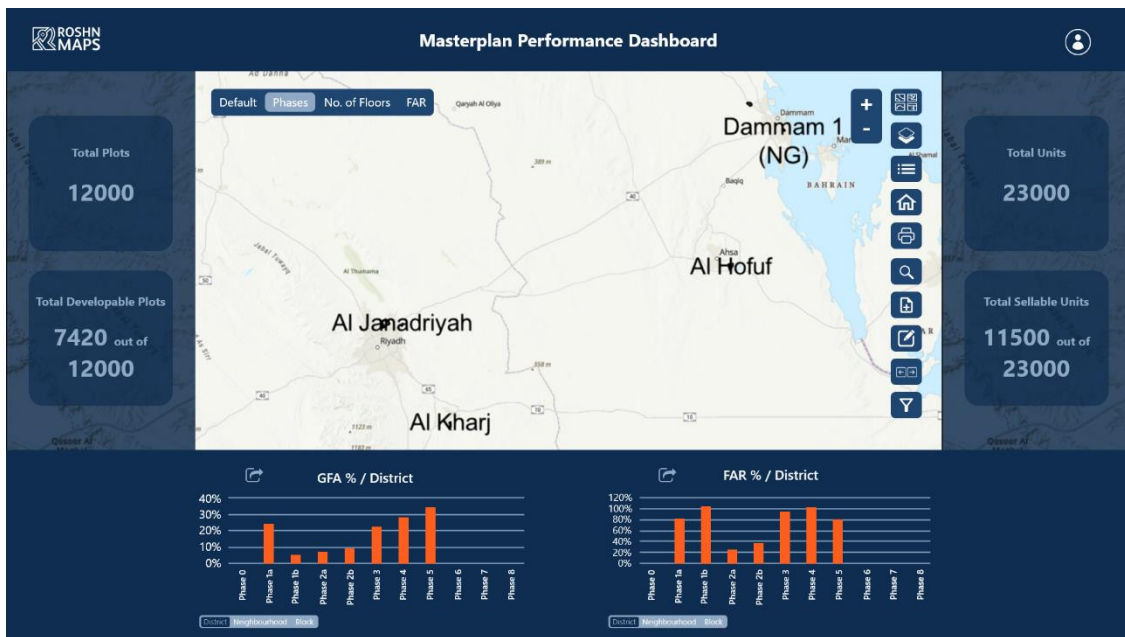


Figure 1 - Masterplan Dashboard

- As users zoom and pan the map, the dashboard dynamically updates to reflect data related to the visible extent.

- Users can use the filter to show different communities and Master Plans on the map.

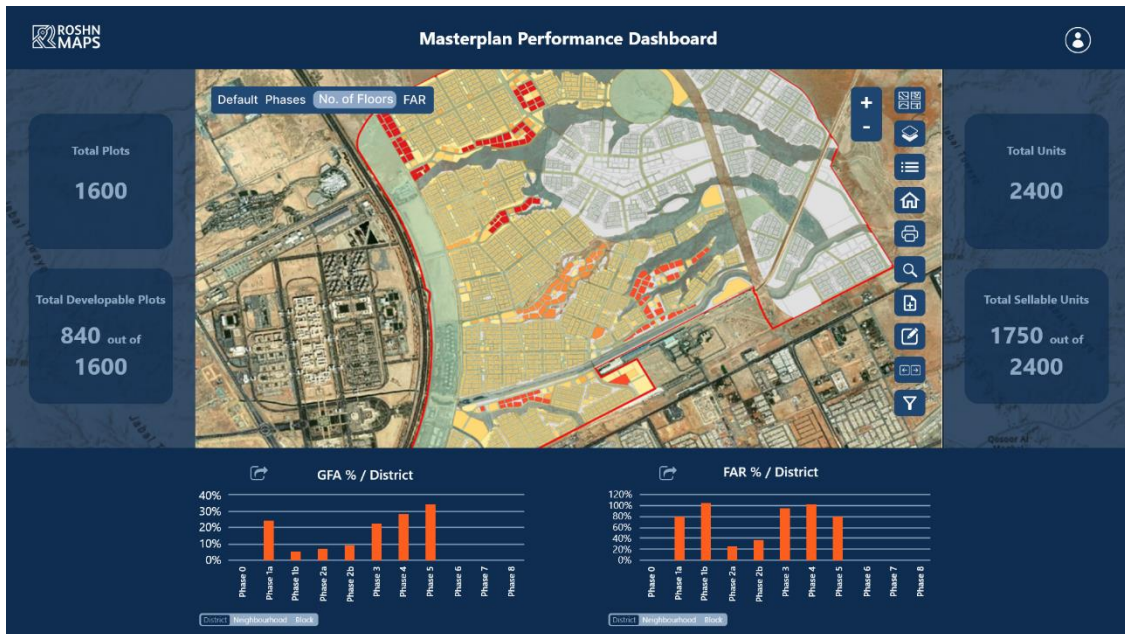


Figure 2 - Apply Filters

- Users can download summarized chart data as CSV files or take snapshots of the charts or the whole dashboard.
- Users can interact with the indicator widgets to get a more detailed breakdown of the lands and units visible in the extent.

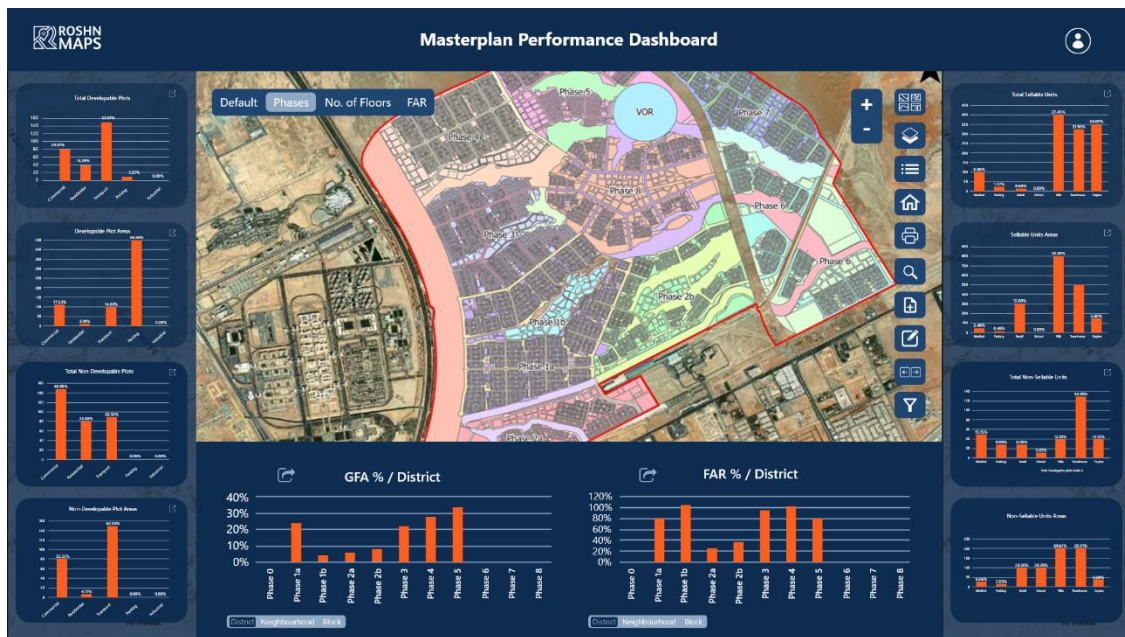


Figure 3 - Detailed Breakdown

- Users can use the swipe widget to compare different Master Plan scenarios spatially and via the charts.

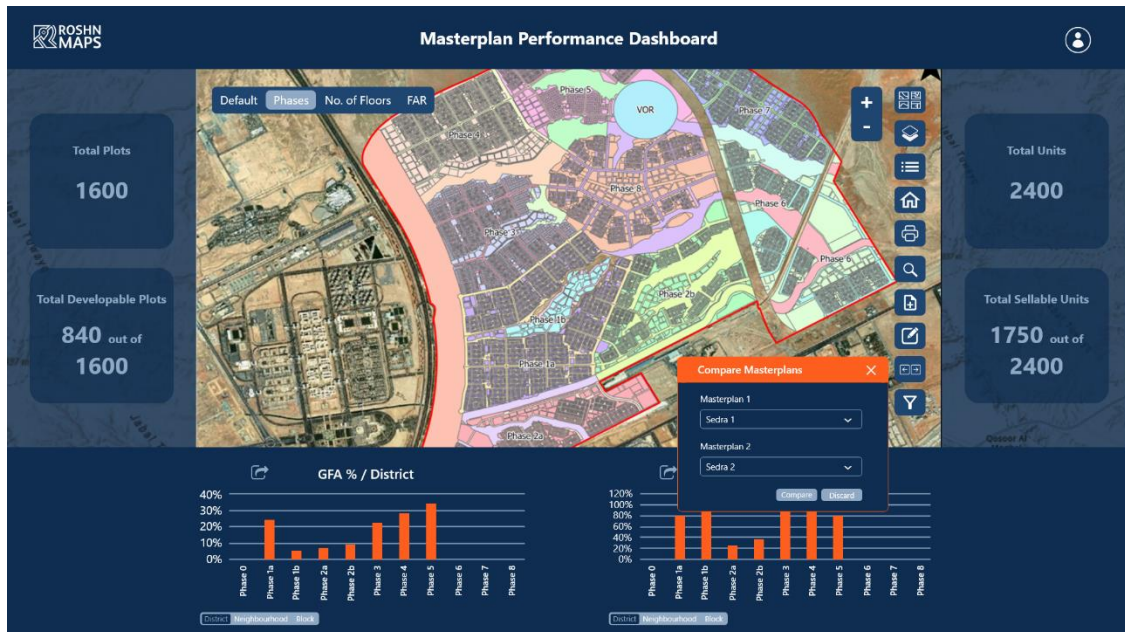


Figure 4 – Selecting Maps in the Swipe Widget

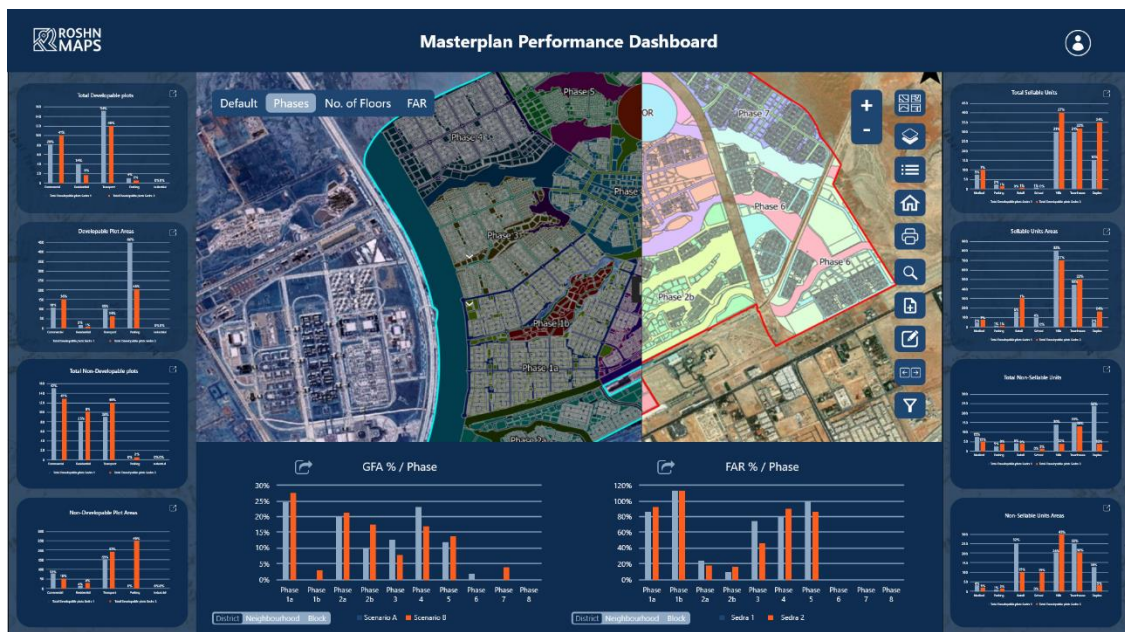
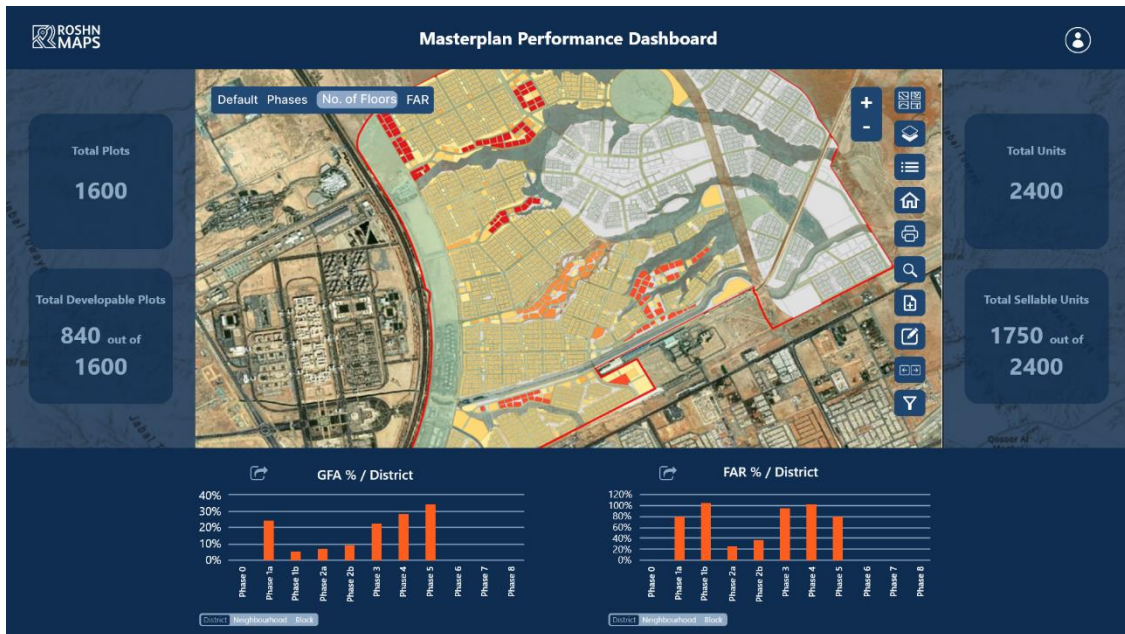


Figure 5 – Comparing Maps Spatially

- Users can use the action buttons to change the map symbology.

Figure 6 - Action Buttons



- Users can open discussion threads on custom location on the map, to discuss planning remarks with fellow application users.

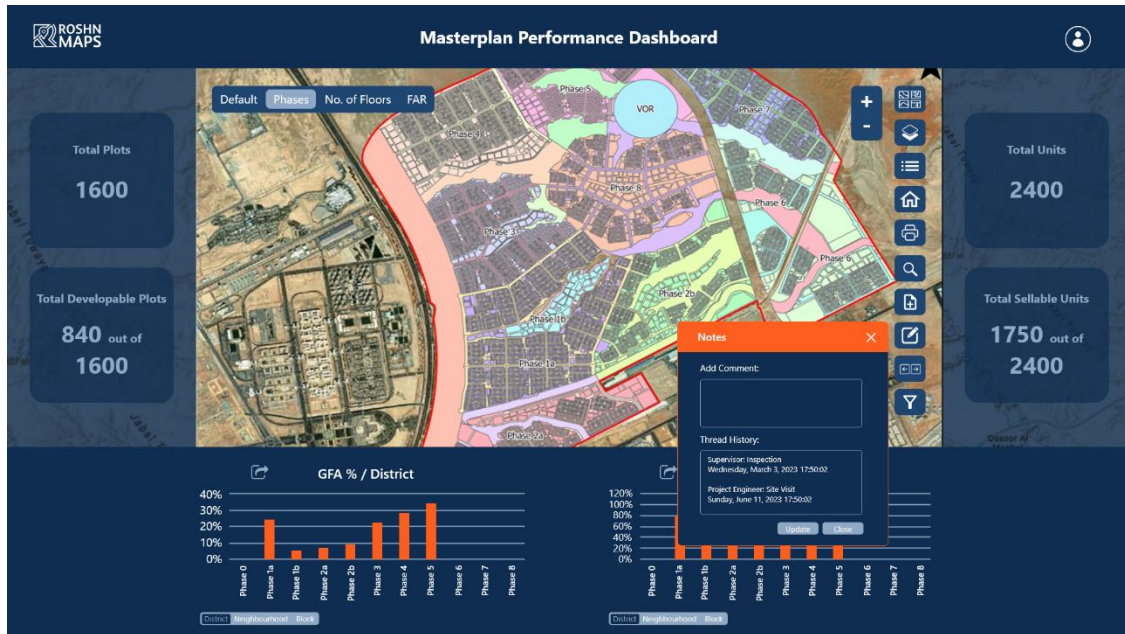


Figure 6 - Open discussion threads with other users

- Users can use the Add layer widget to add custom layers to the map. The widget consumes an ETL published geoprocessing tool and allows users to add custom layers to the map.

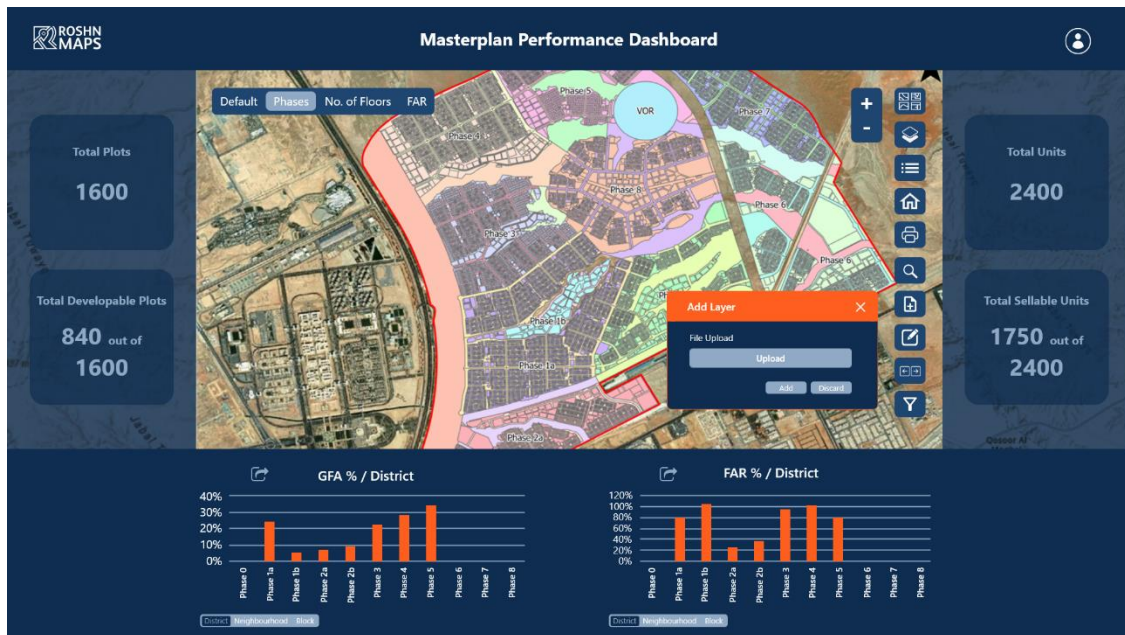


Figure 7 - Add Layer Widget

4 APPLICATION BREAKDOWN

- Platform: ArcGIS Experience Builder
- Features:
 - Deliver interactive Masterplan Performance KPI visuals for executive audiences.
 - Offer map-linked land use and unit statistics for management users.
 - Facilitate Masterplan comparisons both on the map and through charts.
 - Enable the addition of custom map layers.
 - Open geo-enabled discussion threads with other application users.



5 BUSINESS WORKFLOW

- Viewing Indicators and Generating Reports – Use Case



Figure 8 - Indicators Workflow

- Adding a Layer – Use Case

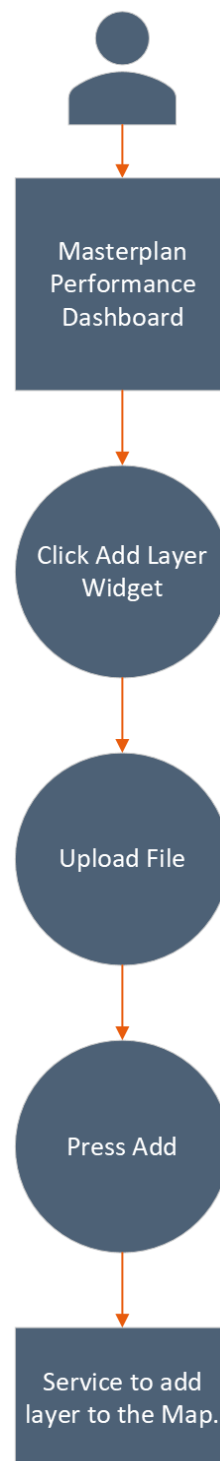


Figure 9 – Adding Layers Workflow

- Adding and Viewing Notes – Use Case

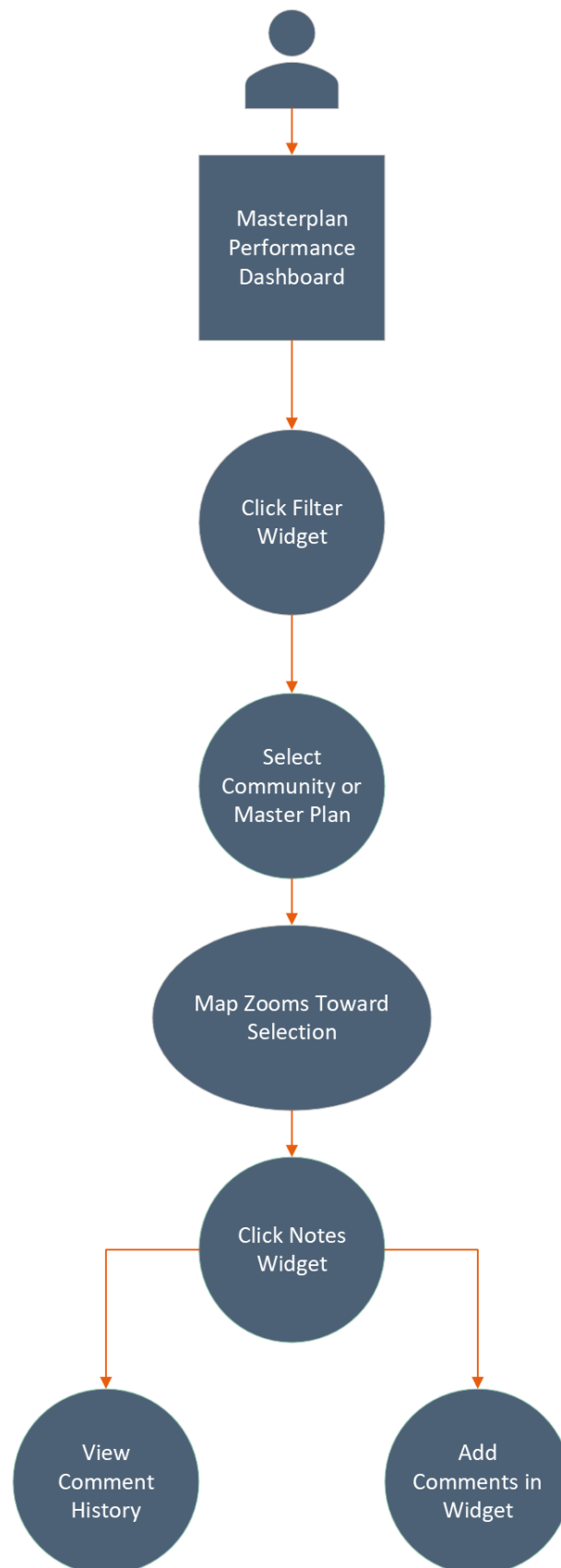


Figure 10 – Notes Workflow

- Comparing Masterplans – Use Case

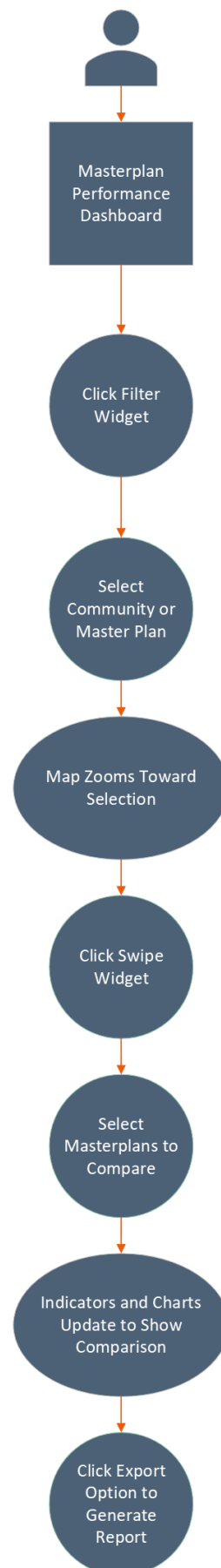


Figure 11 – Comparison Workflow

- Action Buttons – Use Case

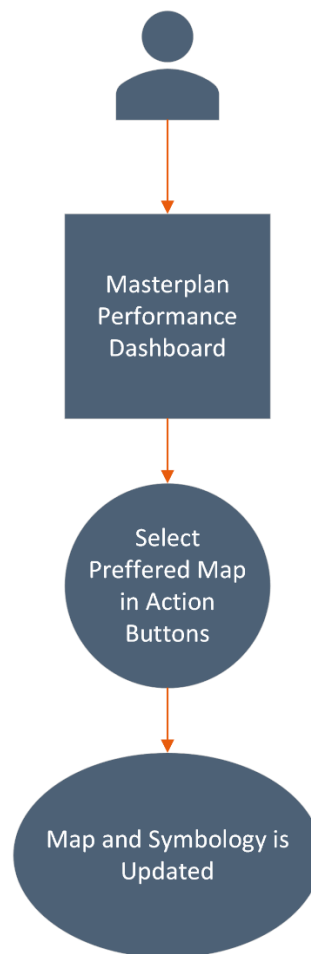


Figure 12 – Changing the Map with Action Buttons