

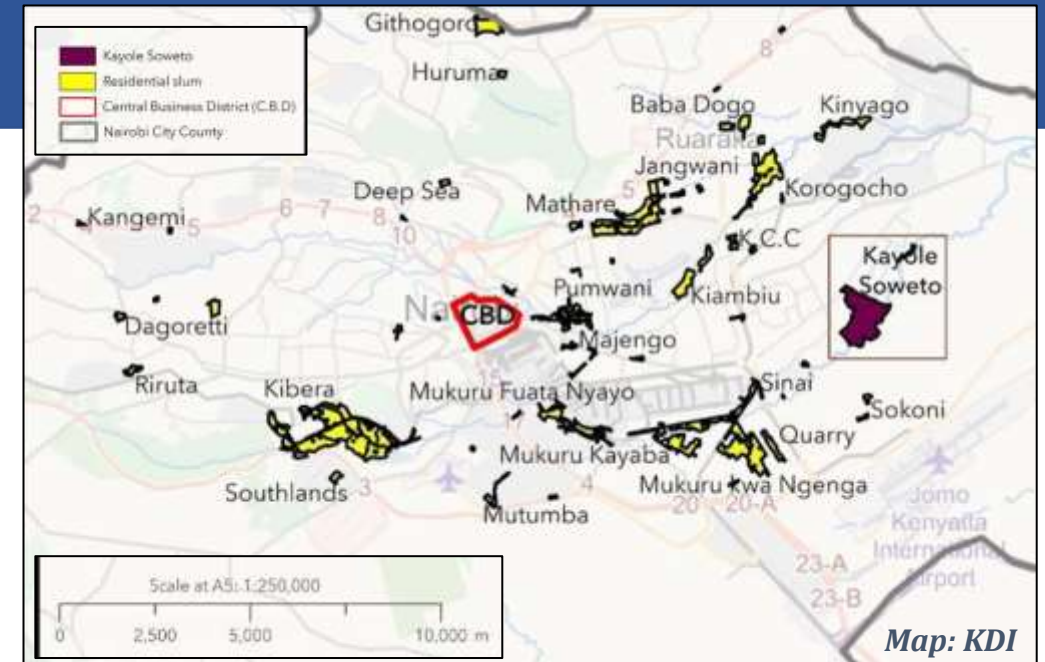
Kayole Soweto Settlement Study

-A Decade of Transformation

Background and Introduction

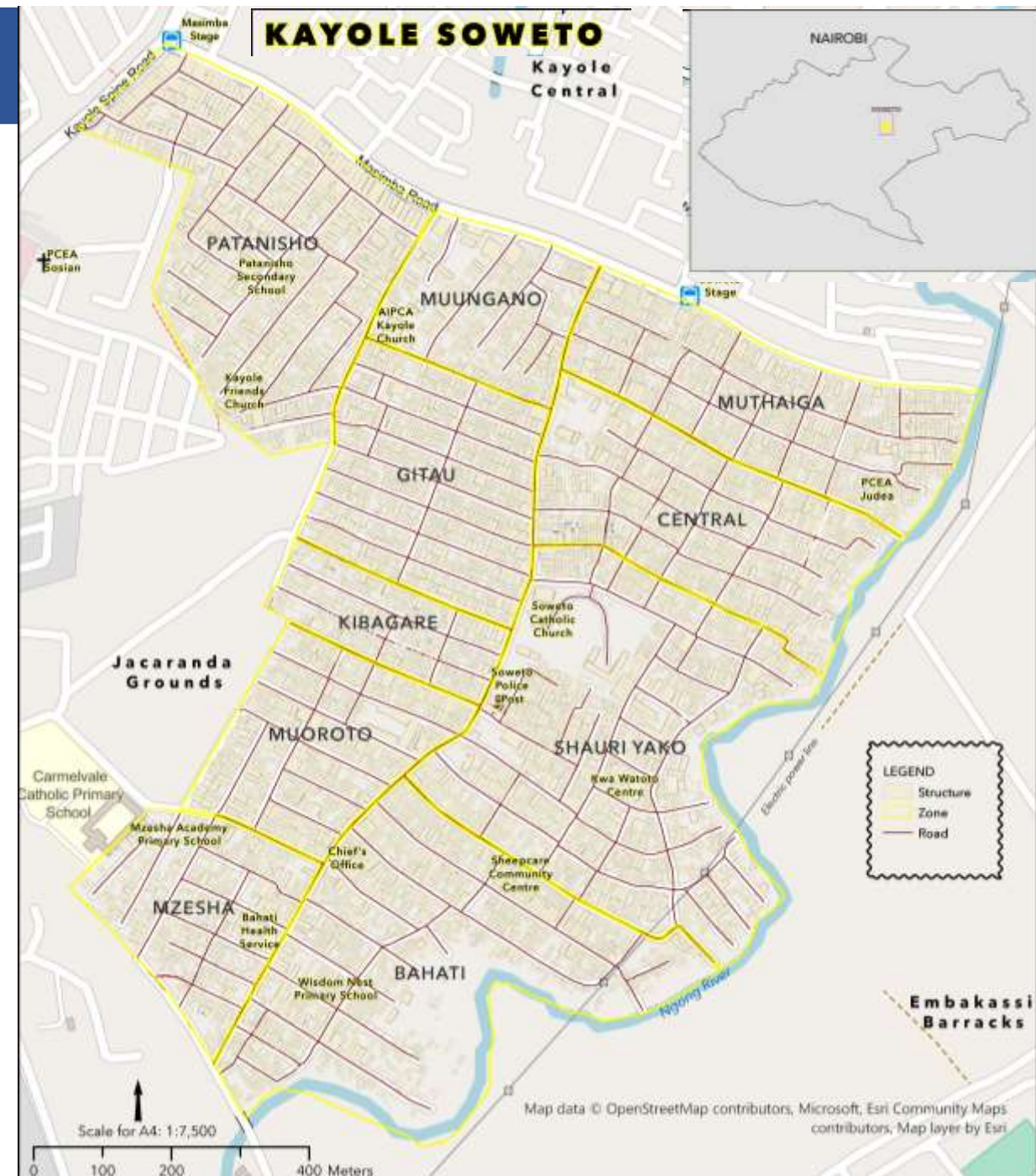
Kayole-Soweto Context

- Approx. **70% of Nairobi** (4.4 million residents) live in informal settlements, about **1.5 times** the Sub-Saharan African average
- **90,000** of these residents live in Kayole-Soweto, a **1.9 square km** informal settlement to the East of Nairobi, about **8km** from the Central Business District (CBD)
- Residents working within Kayole-Soweto primarily have **small businesses** e.g. groceries, retail shops, salons, kiosks etc.
- Those working outside the settlement are involved in **casual jobs** in Nairobi's Industrial Area or in the nearby formal neighborhoods
- Several residents also earn a living by **collecting and reselling** plastic and metal materials



Kayole-Soweto Context

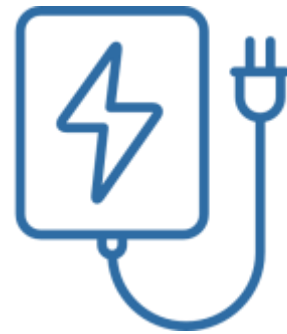
- The settlement, is unique, unlike many others informal settlements in Nairobi, it was **planned** from the beginning, but plan **not fully implemented**.
- The settlement is one of the informal settlements in Nairobi that benefitted **from combined infrastructure development**.
- Infrastructural investments implemented over the years include **electricity** connection, **roads**, **water** supply, **sewer** connection, lighting.
- The settlement's occupied land was deemed **quasi-legal** until **title deeds** were issued for plots in 2020-2021 under the **Nairobi Titling Programme**
- Today, about **2 in 3** residents are tenants, while the remaining third are landlords or structure owners



Kayole-Soweto Investments – An Overview



Improved access to
piped water and
sewerage
(**OBA**)



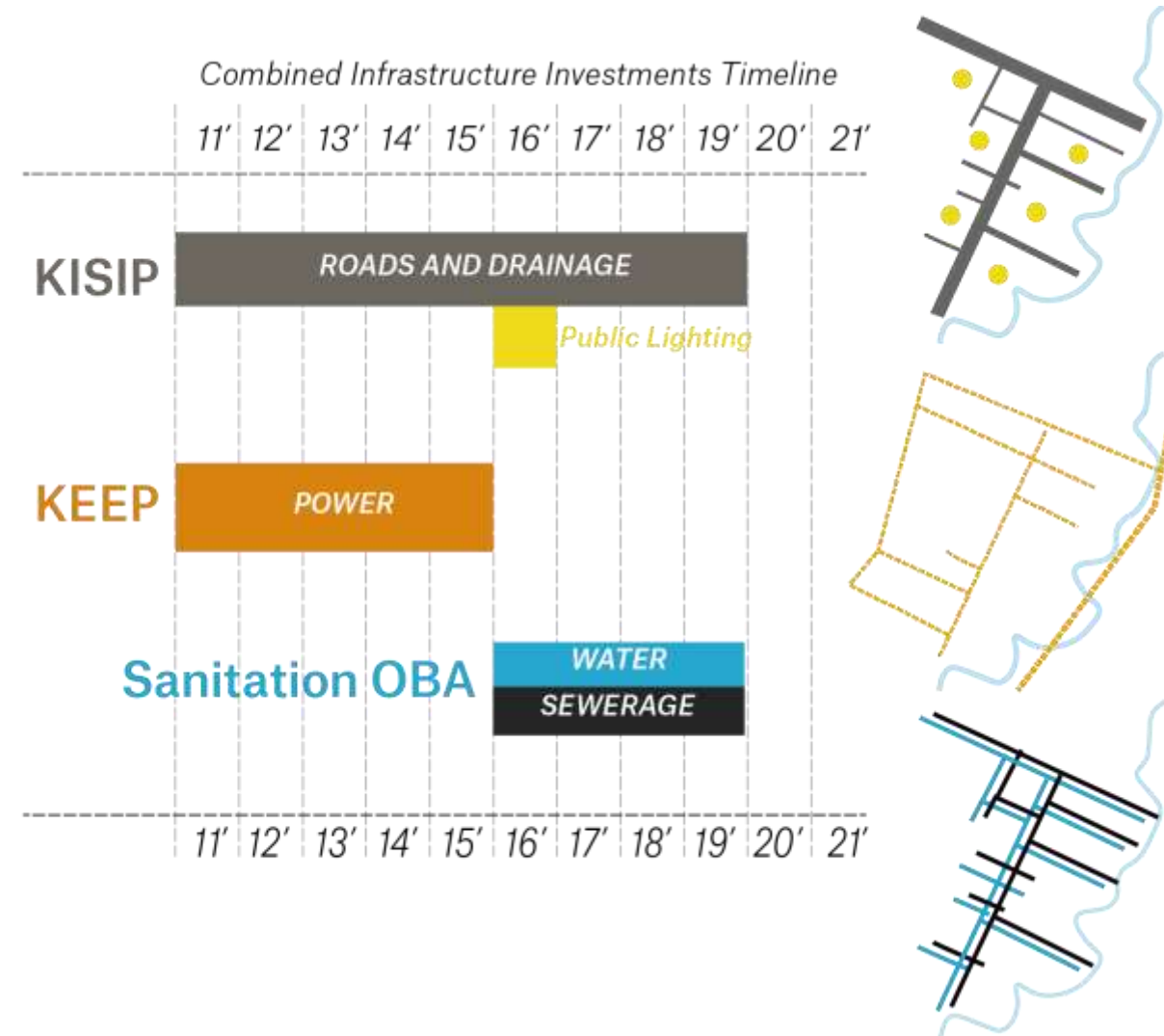
Electricity
Connections
(**KEEP**)



Infrastructure
investments in roads,
drainage, lighting
(**KISIP**)

Combined Infrastructure Investments

Project	Nairobi Sanitation Output Based Aid (OBA) Project	Kenya Informal Settlements Improvement Programme (KISIP)		Kenya Electricity Expansion Project (KEEP)
		Roads and Storm water Drainage	Lighting Project	
Overview	Water and sewerage services	Upgrading of 14 key public roads	Public lighting and floodlights	Connection for 2,294 customers to mains grid
Project Duration	Mar. 2016 - Jul. 2019	2011-Ongoing	2014	2011-2015
Key Actors	NCWSC GPOBA	NCCG - KISIP County coordination office National Govt - KISIP National Coordination office Kayole-Soweto SEC		KPLC GPOBA



Evaluative Study to Assess Investment Impact

An effort to capture residents' perspective on the infrastructure-led physical and socio-economic changes in the neighborhood

Objectives of the Evaluative Study

Overarching aim to gain a broad understanding of:

Scale of social transformation

Key factors that helped expand the project's impact

Successes and challenges through the process

Sustainability of improvements

Possible impact of **COVID-19 pandemic** on perceptions of improvement

Methodology and Timeline



Initiation + Stakeholder Mapping

Methodology Development

Desk Study

Transect Walk

Focus Group Discussions

Key Informant Interviews (6)

(9)

QGIS Recording + Processing

Household Surveys (114)

May 2021 - 2022

Data Analysis + Reporting



Perception of Change in Kayole Soweto

Data Highlights: General Findings



Community appreciates overall development in Kayole Soweto

Residents feel the neighborhood has developed into **an estate** from an informal settlement, increasing property values and rents, and economically benefiting landlords

Electricity and street lighting particularly valued, has improved lifestyle, security, and businesses

However, **challenges continue** with water, roads and sewage management that affect certain areas more

Community Perception of Change - Across Infrastructure Categories

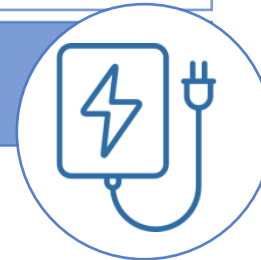
- Ease of **travelling**
- Increased **access to hospitals** in emergencies
- Proper vehicle routes for **grocery** within the neighborhood

Roads



- Enhanced **safety**
- Increase in **business operation hours** post dark
- Enhanced **physical mobility** among residents from reduction in accidents

Electricity and Lighting



- Removal of **sole reliance** on water vendors
- Reduction in cost associated with **pit latrine drainage**
- Female residents reported **reduction in infections** from toilets
- Self-contained houses with pathways for human waste facilitated **estate development**

Water & Sanitation



Community Perception of Change – Across FGD Respondent Categories

Women

- Safety associated with **street lighting**
- Positive **health impacts** from toilet construction

Tenants

- Most affected by **sparse water availability** while paying water bills
- Cost burden from sewage management issues

Landlords

- Benefited from **higher rents** and property values
- Made maximum references to future **changes they want to see**

SEC

- Discussed the most about **road and sewage pipe sizing** issues in qualitative discussions

Business Operators

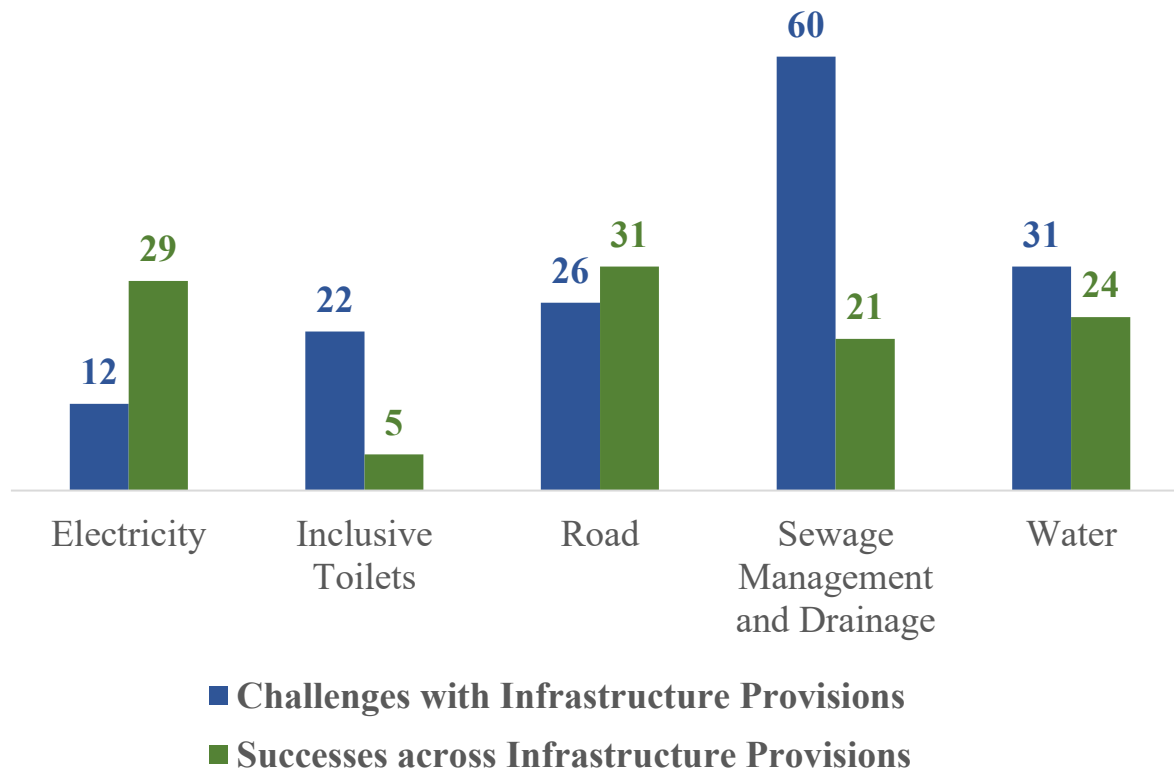
- Benefits of electricity connections increasing **operational hours** of businesses and opportunities to **setup new enterprises**

Local Leaders

- Only qualitative discussion with more references to successes than challenges

Data Highlights: Infrastructure Deep-Dive

Positive & Negative References to Infrastructure Codes



Successes

Roads: improved businesses, mobility

Electricity: Flood lights, street lights, security

Challenges

Inclusive Toilets: Not recognizing needs of PWDs and Women

Water: Meters & billing, sparse availability

Sewage Management: blockages from garbage dumping in drains, pipe size issues

Community Perception of Change – Across Household Survey Categories

Electricity & Lighting

- **Challenge:**
Power Blackouts
- **Success:**
Improved Security

Roads

- **Challenge:**
Dumping in the drains
- **Success:**
Improved Accessibility

Sewage

- **Challenge:**
Frequent Pipe Bursts
- **Success:**
Increased Access to Clean Toilets and Better Sanitation

Water

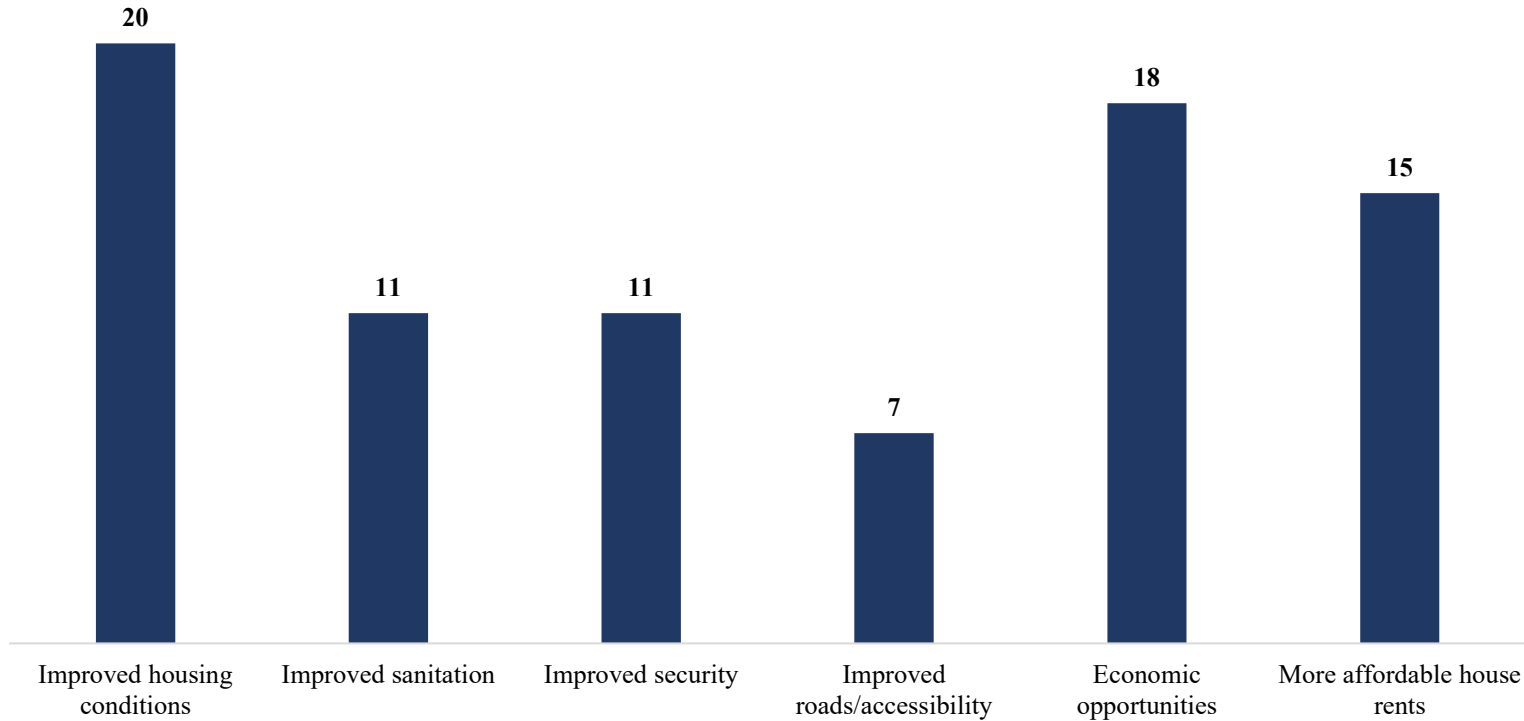
- **Challenge:**
Water Rationing
- **Success:**
Increased access to clean water, sanitation and time saving

Sanitation

- **Challenge:**
Inadequate Water
- **Success:**
Reduced Disease Outbreaks

Data Highlights: Household Survey Analysis – Estate Development

Reasons to Migrate to Soweto by No. of Respondents

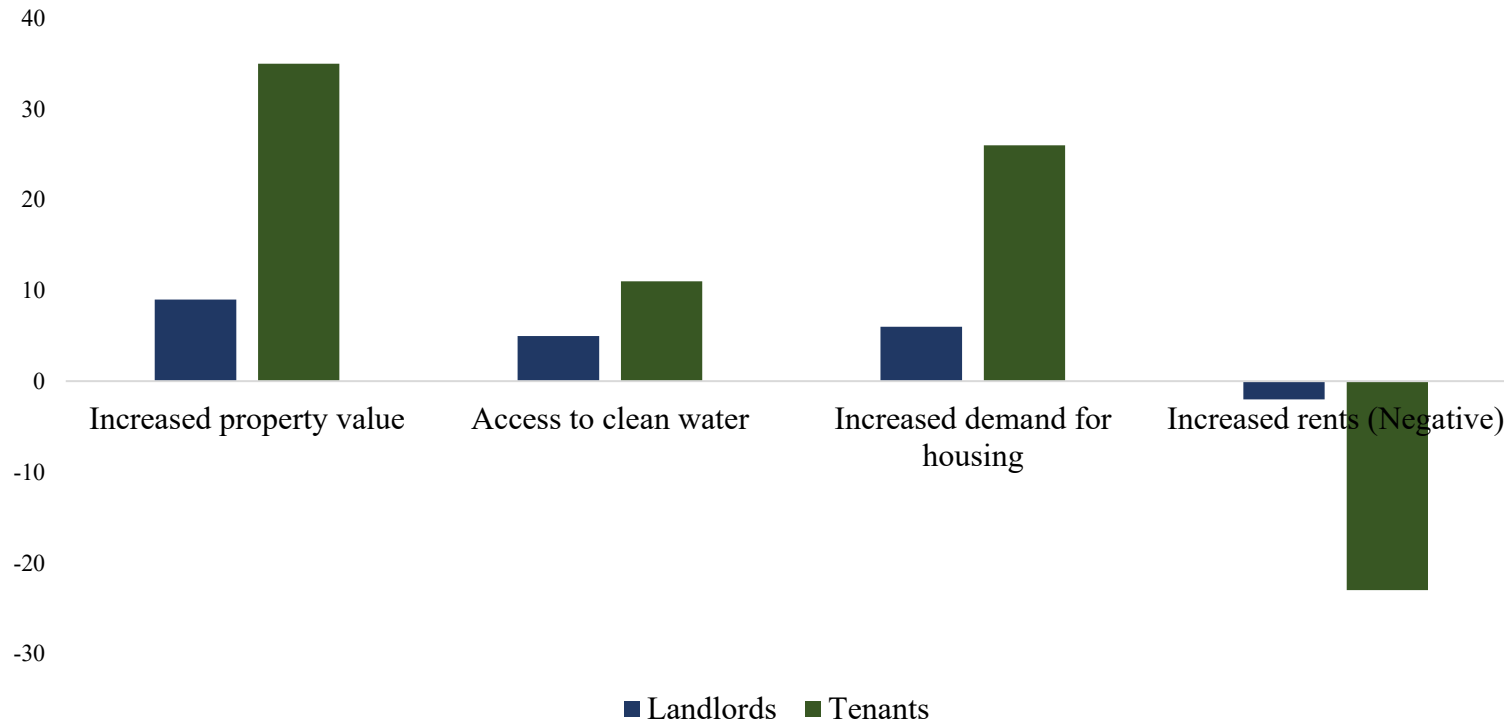


Data Highlights

- Most respondents cited ***Improved Housing Conditions*** and ***Better Economic Opportunities*** and as the reasons to migrate back into Soweto
- Some also cited more affordable house rents as reasons, but opinions differed across landlords and tenants

Data Highlights: Household Survey Analysis – Estate Development

Impacts to Property Across Land Ownership



Data Highlights

- Property value and housing demand have seen changes from infrastructure strengthening in Soweto over the years
- Largely, increase in property value and demand for housing were seen as positive impacts from Water, Sewer and OBA Sanitation Projects
- Tenants highlighted increased rents emerging as a challenge to them as a result of better road infrastructure

Contrasts and Similarities: Responses to Infrastructure Provisions in FGDs and HHS

Changes and Benefits	FGDs	HHS
Estate Development	✓ Stories and mentions of development into an estate	✓ Land value and better housing data to corroborate FGD findings
Power and Lighting	✓ Women and others highlighted enhanced security & ability to run businesses with better lighting	✓ Second-highest mentions to electricity and lighting as a major change
Water	x Emphasized more challenges than successes owing to inadequate availability & issues loan terms and billing	✓ Highest number of respondents mentioned water as the main positive change
COVID-19 Mitigation	x Few mentions of infrastructure provisions helping COVID-19 mitigation. Only noteworthy mention by local leaders for ensuring access to schools for children through the internet	✓ Amplified role of infrastructure investments in mitigation through increased hygiene, enhanced security, social distancing and education for children

Lessons Learnt

Community Involvement

- Residents collectively highlighted the need for active community involvement across project phases and representation of social groups

Approach to Address Challenges

- Residents suggested a zone-wise approach to address infrastructure challenges
→ water and road issues were more prevalent in some areas

Effective Communication

- Essential to engage and communicate project goals and potential impacts on the community effectively

Existing Challenges and Potential for Future Investment



Toilet Construction	<ul style="list-style-type: none">• Potential future focus on flushable toilets with appropriate seat height and handles to accommodate disabled and elderly populations
Solid Waste Management	<ul style="list-style-type: none">• Better SWM with designated garbage disposal sites and community training and sensitization
Employment Opportunities	<ul style="list-style-type: none">• Generating employment opportunities for the youth through technical skill trainings to provide employable skills• Development of local market to expand opportunities for small businesses and generate jobs

Thank You.