

LEGEND

General

- Cadastral boundaries
- Urban Edge
- Railway line
- River

Existing water infrastructure

- Pipelines
- Reservoirs
- Pumping station
- Zone valve
- Non-return valve
- Pressure reducing valve (PRV)
- Water Treatment Plant (WTP)

Existing sanitation infrastructure

- Pipelines (Gravity sewers)
- Pipelines (Rising mains)
- Manholes
- Pumping station
- Wastewater Treatment Plant (WWTP)

Future water infrastructure

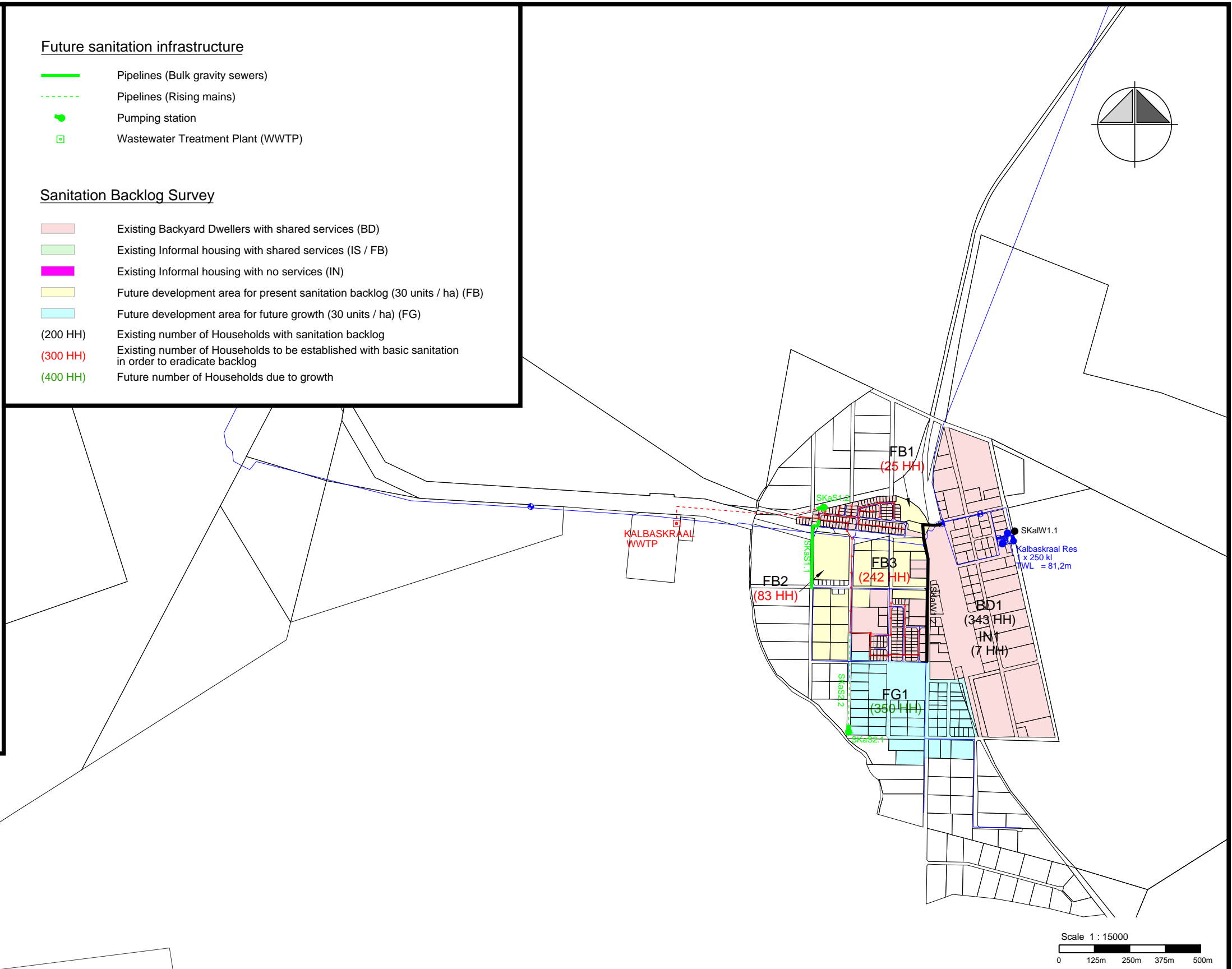
- Pipelines (Bulk)
- Pipelines (Network)
- Reservoirs
- Pumping station
- Zone valve
- Non-return valve
- Pressure reducing valve (PRV)
- Water Treatment Plant (WTP)

Future sanitation infrastructure

- Pipelines (Bulk gravity sewers)
- Pipelines (Rising mains)
- Pumping station
- Wastewater Treatment Plant (WWTP)

Sanitation Backlog Survey

- Existing Backyard Dwellers with shared services (BD)
- Existing Informal housing with shared services (IS / FB)
- Existing Informal housing with no services (IN)
- Future development area for present sanitation backlog (30 units / ha) (FB)
- Future development area for future growth (30 units / ha) (FG)
- (200 HH) Existing number of Households with sanitation backlog
- (300 HH) Existing number of Households to be established with basic sanitation in order to eradicate backlog
- (400 HH) Future number of Households due to growth



Scale 1 : 15000
0 125m 250m 375m 500m



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WESTERN CAPE SANITATION BACKLOG STUDY



Figure 2403
Swartland: - Kalbaskraal
Survey results and required bulk works for water and sanitation