

Step II: Confirm Utility Requirements

Step II consists of identifying and confirming which utilities are required for the Sila'a Neighbourhood and developing utility network designs based on utility demands, GFA, population, catchment areas, external utility connections, utility plot allocations, etc. Based on the Master Plan, the utility requirements for the Sila'a Neighbourhood include:

- Potable Water Supply;
- Wastewater Collection;
- Stormwater Drainage;
- Irrigation Water Supply;
- Power Transmission (HV);
- Power Distribution (MV/LV);
- Telecommunication;
- Street Lighting and Trees, and
- Solid Waste

The Sila'a Neighbourhood does not require district cooling. A gas network may be required in the future, therefore, a gas corridor has been allowed for.

External connection points (as provided in the master plan) and utility plot locations are illustrated in Figure A.4. An extract of the required utility network design output is illustrated in Figure A.5.

This step forms part of the utility providers's requirements and is required prior to proceeding to Step III.

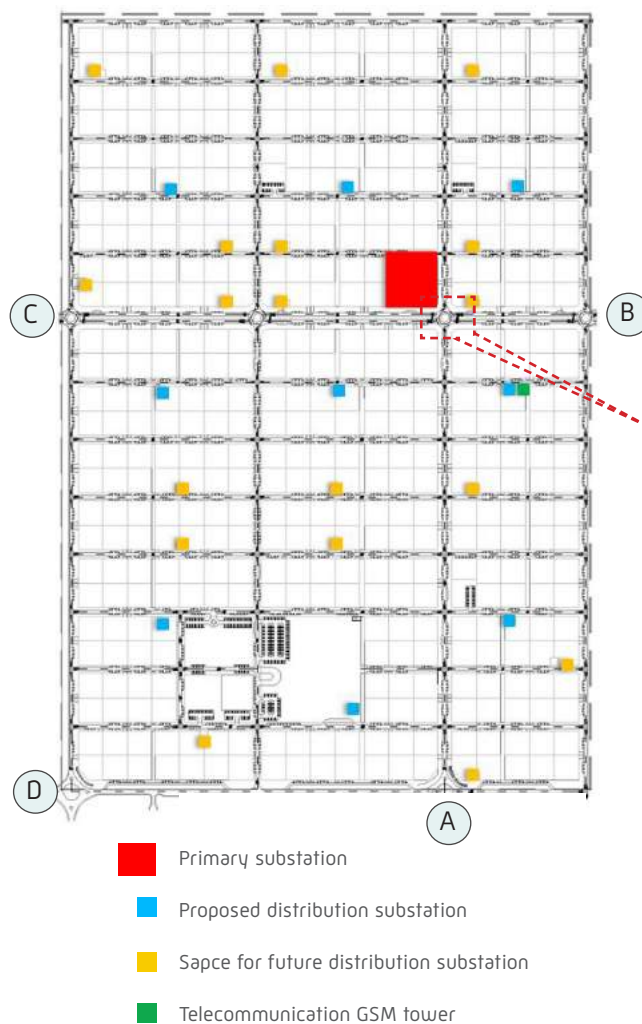


Figure A.4. Sila'a Neighbourhood utility plots and external connection points

External Connection Points:

- (A) Potable Water/Telecommunication/Irrigation lines
- (B) Power (HV) lines
- (C) Wastewater lines
- (D) Stormwater lines

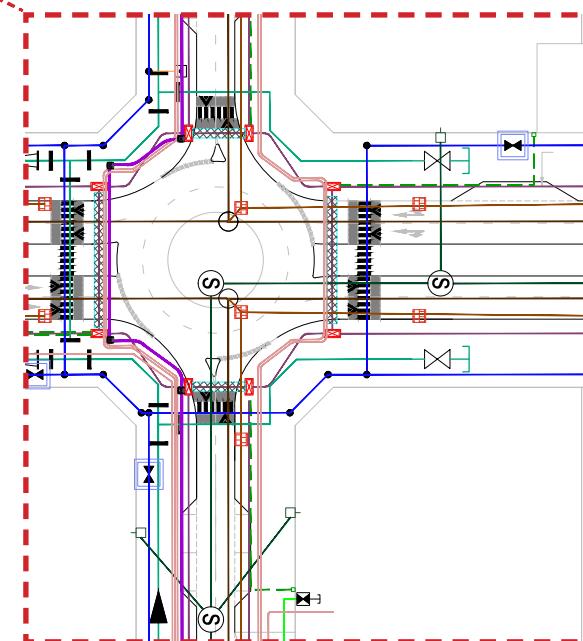


Figure A.5. Sila'a Neighbourhood utility network plan