

CityGML Utility Network ADE

Test data Rotterdam – Current status of implementation

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CityGML UtilityNetworkADE
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Test data Rotterdam

Hoogvliet, a district of about 3 by 3km



Utility Networks

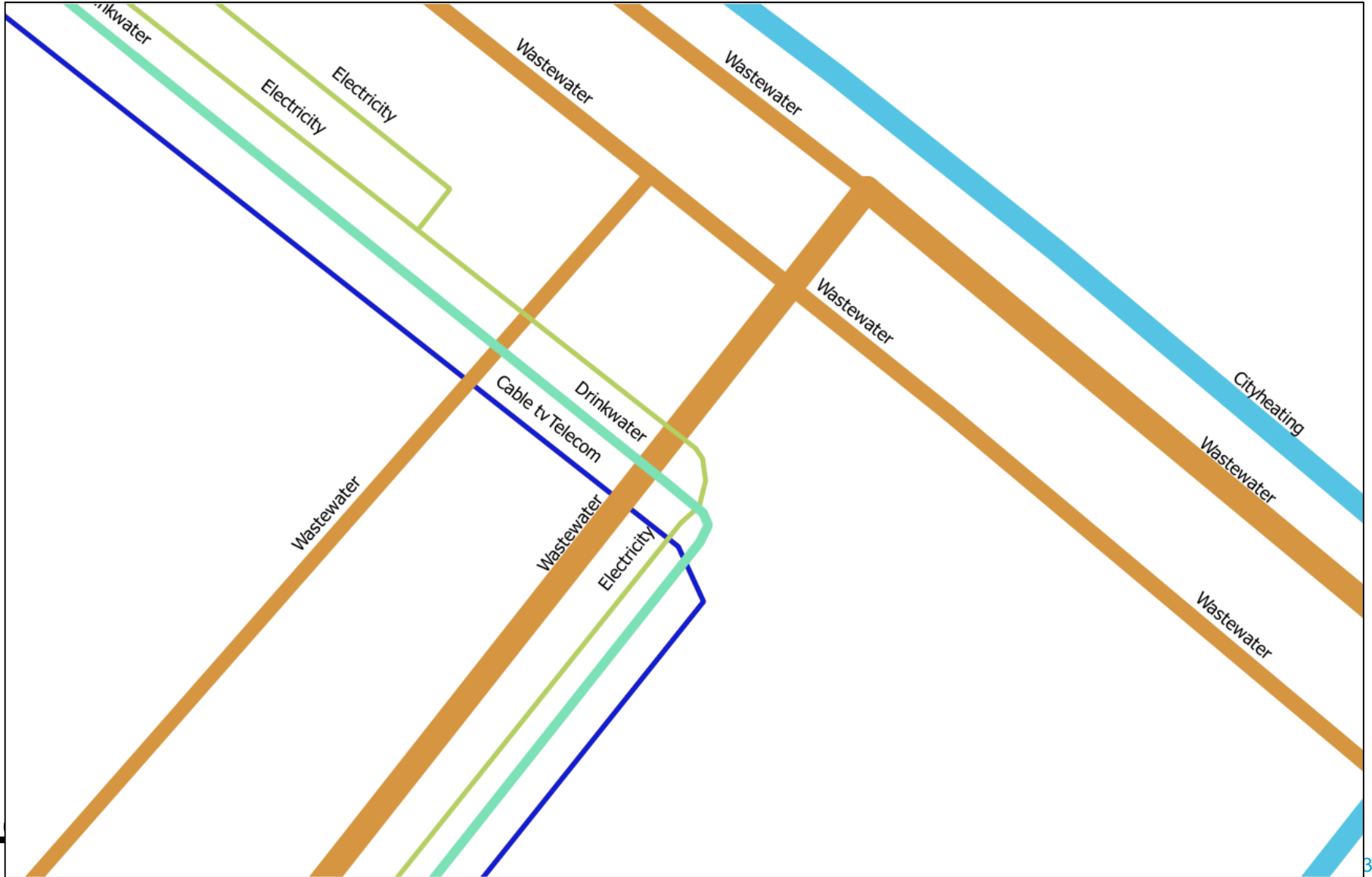
- Cable TV
- CityHeating
- Drinkwater
- **Wastewater** (incl. manholes)
- **Electricity** (incl. streetlights)
- Gas
- Telecom

The data are provided as Shape files

- Pipes and cables in shapefile format (3D geometry as polylines)
- Streetlights and manholes in shapefile format (2D geometry as points)

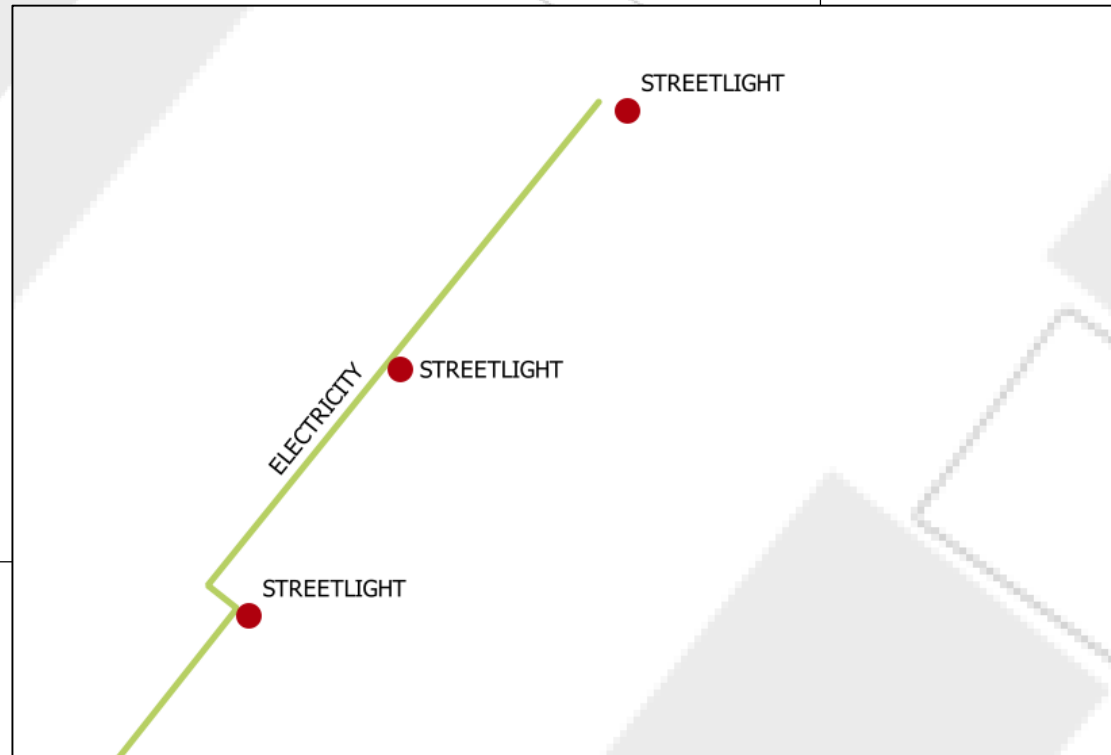
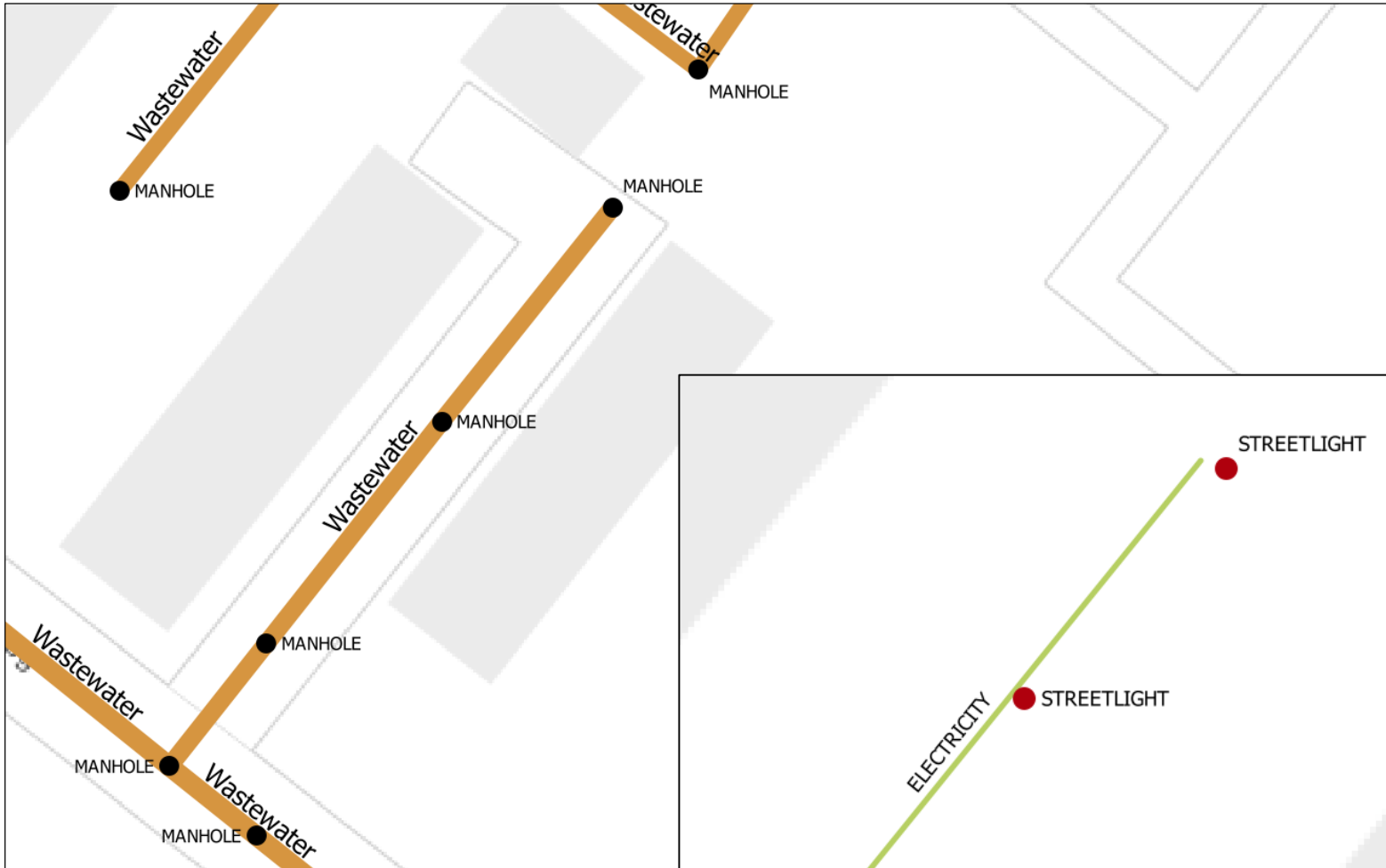
Test data Rotterdam

Pipes and cables



Test data Rotterdam

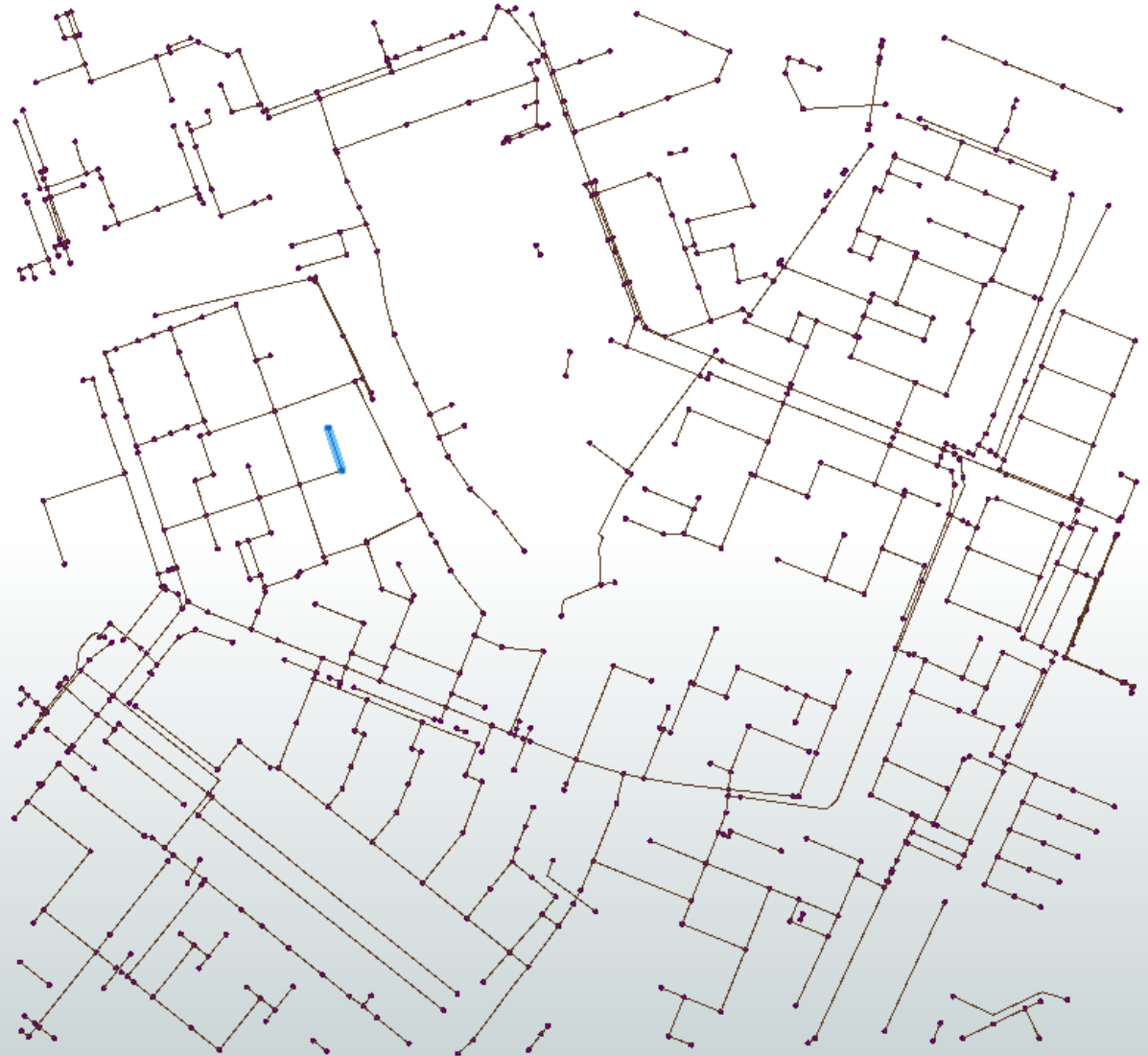
Manholes and Streetlights



Preliminary Results

Waste water network as CityGML Utility Network data

- RoundPipe_line [ESRISHAPE] (79)
- RoundPipe_line (793)
- test [CITYGML] (3974)
- CityModel (1)
- ExteriorMaterial (5)
- FeatureGraph (793)
- InteriorFeatureLink (793)
- LiquidMedium (1)
- Network (1)
- NetworkGraph (1)
- Node (1586)
- RoundPipe (793)



Problems – To be solved

- Sudden/random vertical drops
- What software / application to use for visualizing the data except FME
- How to create a cylindrical geometric buffer around the line in FME

