### **Hydrodynamic model – Sobek Urban CIE4491-1112**

**Summary of first steps in setting up a Sobek model**

More information is available in the Sobek Tutorial (available on Blackboard

**Setting up a new network in Sobek**

Open program

Select: New Project, Select new Case

Go to: Task block ‘Settings’

Select modules SOBEK-Urban 1DFLOW and RR modules

Go to: Task block 'Import network'

The Import network window will pop up: select ‘Start from Scratch’

Go to: Task block ‘Meteorological data’

Select a precipitation event (any event; this can later be changed before you start the simulation)

Go to: Task block ‘Schematisation’

Select ‘Edit model’

Go to: Edit, select Network.

The ‘Edit network” Toolbar will now appear in the Toolbar section of the screen.

From dropdown menu, choose: ‘Nodes’ (several options for adding, moving, connecting nodes) and

Create nodes, connect nodes etc.

Add attributes to nodes and connections (select node/connection, right mouse button, model data etc.). Note: the standard connection type is a trapezium channel, change into pipe for sewers.