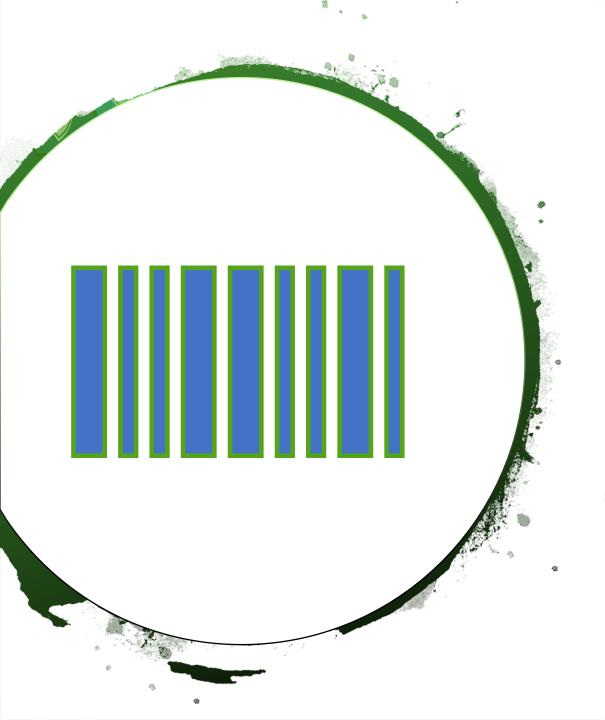


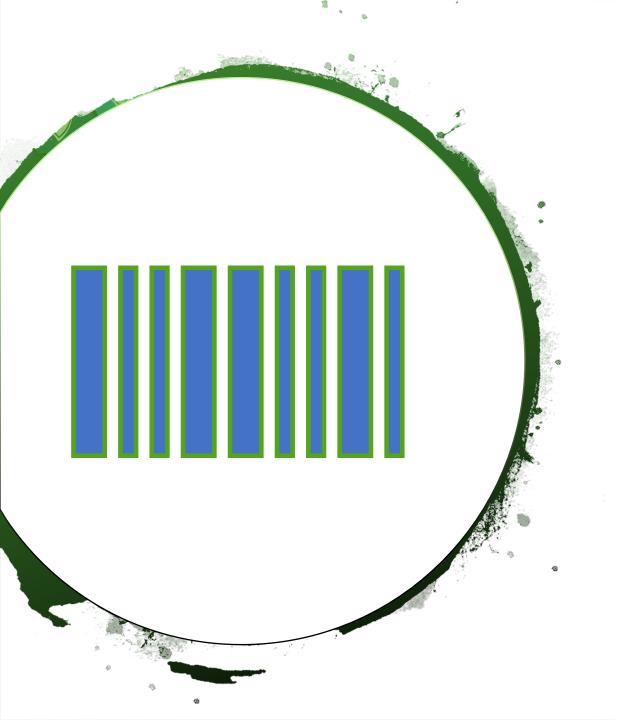
### What's New in Drainage and Utilities 2022 R 1

Hosted by Ian Rosam and Presented by: Jonathan Smith



For a complete list of product versions, enhancements and compatibility requirements, please refer to the *OpenRoads Designer 2022 R 1 Readme* at the following link:

https://docs.bentley.com/LiveContent/



#### Note:

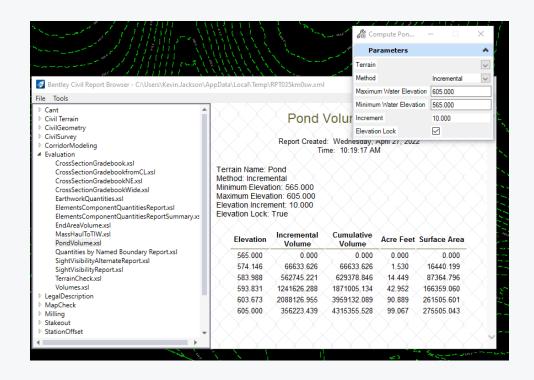
This release is considered a "Major" version in that data created with 2022 R 1 will need to be downgraded in order to be opened with a previous release.

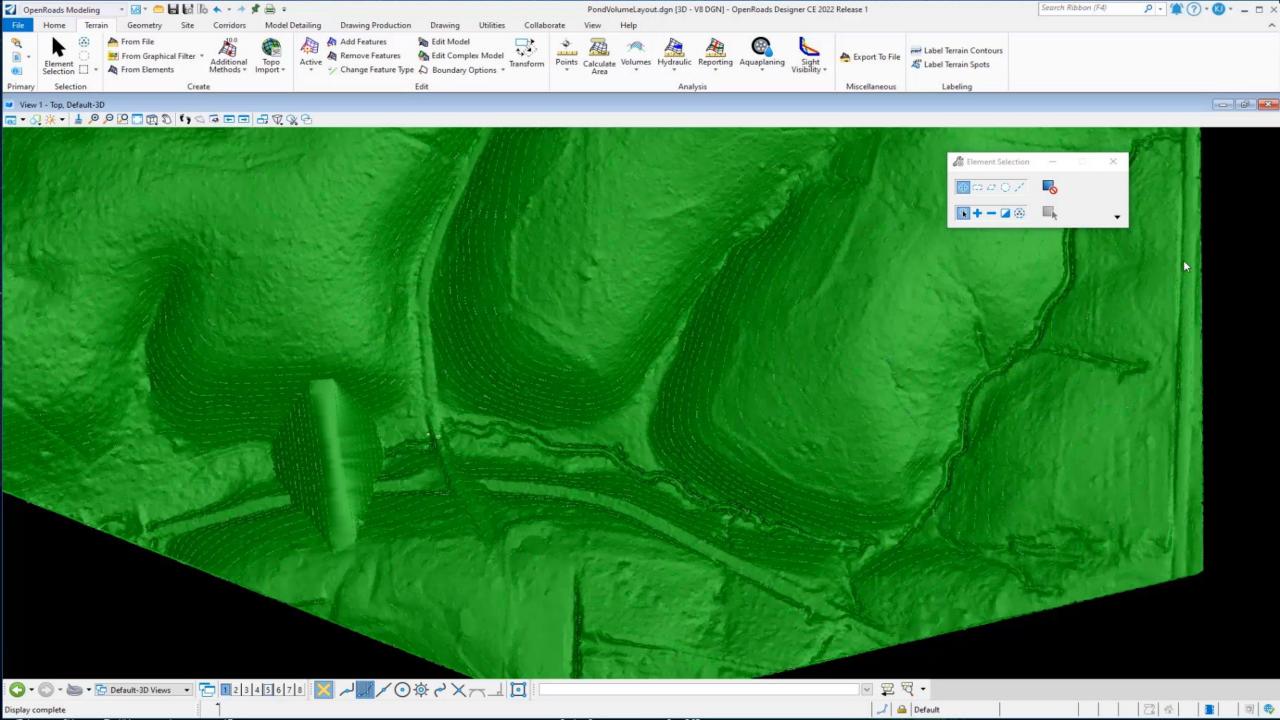
# OpenRoads Designer 2022 Release 1

Drainage and Utilities

## Compute Pond Volumes

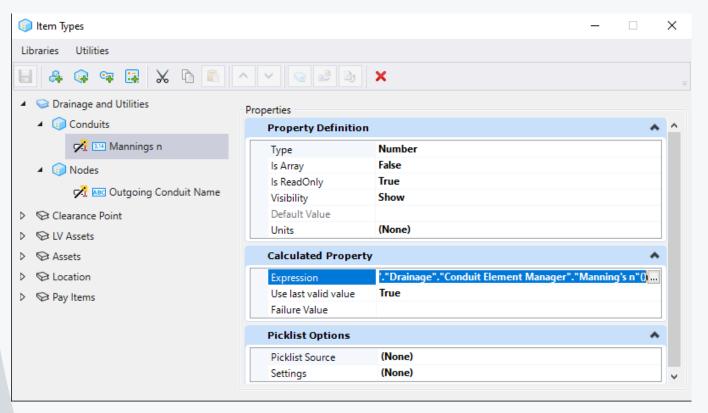
### Computes the volume of a pond at a certain elevation or incremental pond volumes

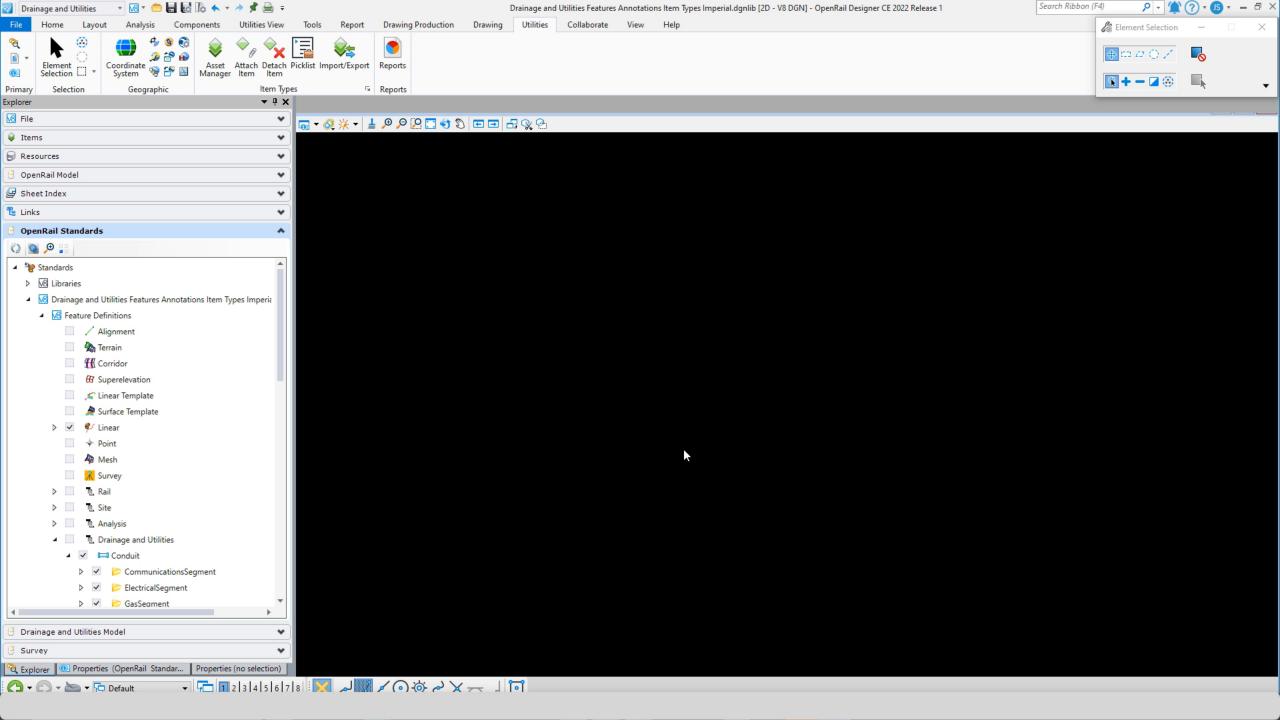




## Item Types

# Support for Item Types in D&U feature definitions, and Single Source of Truth





## Conduit Symbology

Show the inner and outer walls for a conduit in plan and profile models.

Better control of HGL and EGL symbology in profile.

Multiple HGL's on a profile.



2022

Release 1





Center Feature Symbology Outer Element Template Inner Element Template Outer Profile Element Template Inner Profile Element Template Profile Feature Symbology Solid Feature Symbology

Storm Water (Concrete)

Storm Water\Conduits\Pipes\Plan\Storm Water Storm Water\Conduits\Pipes\Plan\Storm Water Storm Water\Conduits\Pipes\Profile\Storm Water Storm Water\Conduits\Pipes\Profile\Storm Water

Storm Water

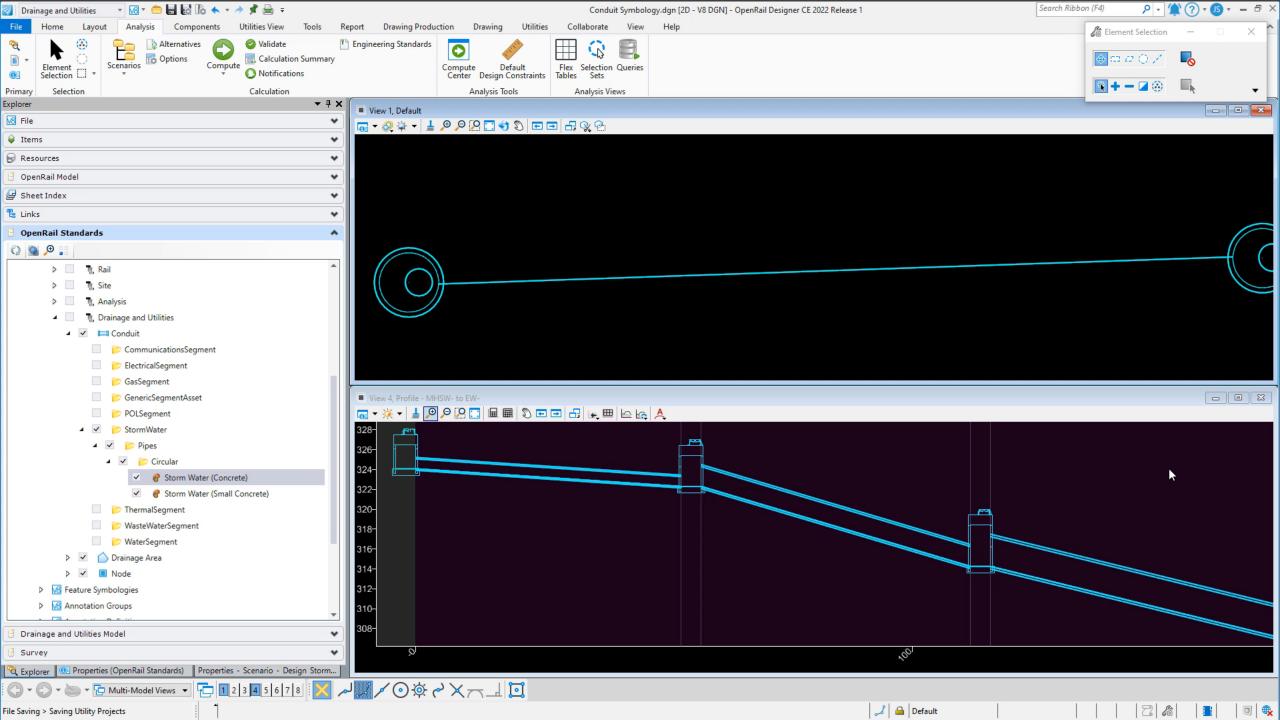
Storm Water (Concrete)

#### HGL/EGL Display Settings

Display HGL **HGL Element Template** Display EGL EGL Element Template

True Storm Water\Conduits\Hydraulic Grade Line

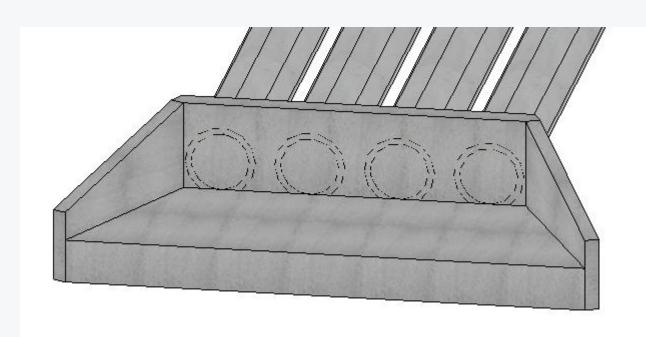
Storm Water\Conduits\Energy Grade Line

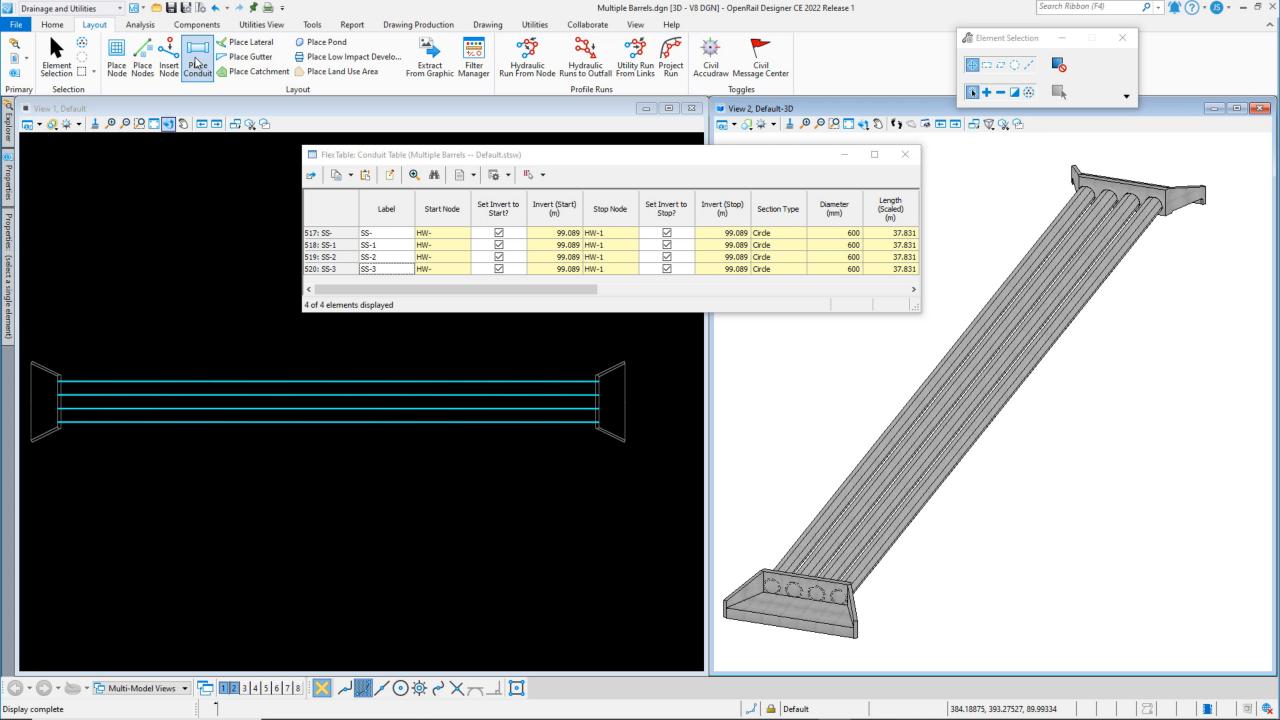


## Gap between multiple barrels

Implemented a gap between barrels.

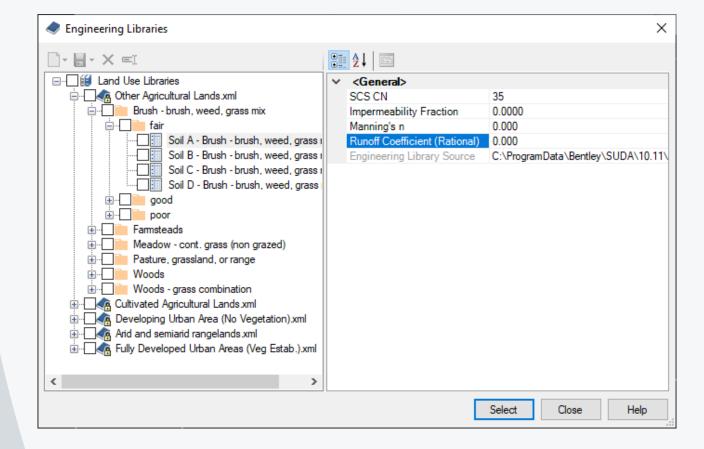
One extra property, but a lot of benefits and simplification

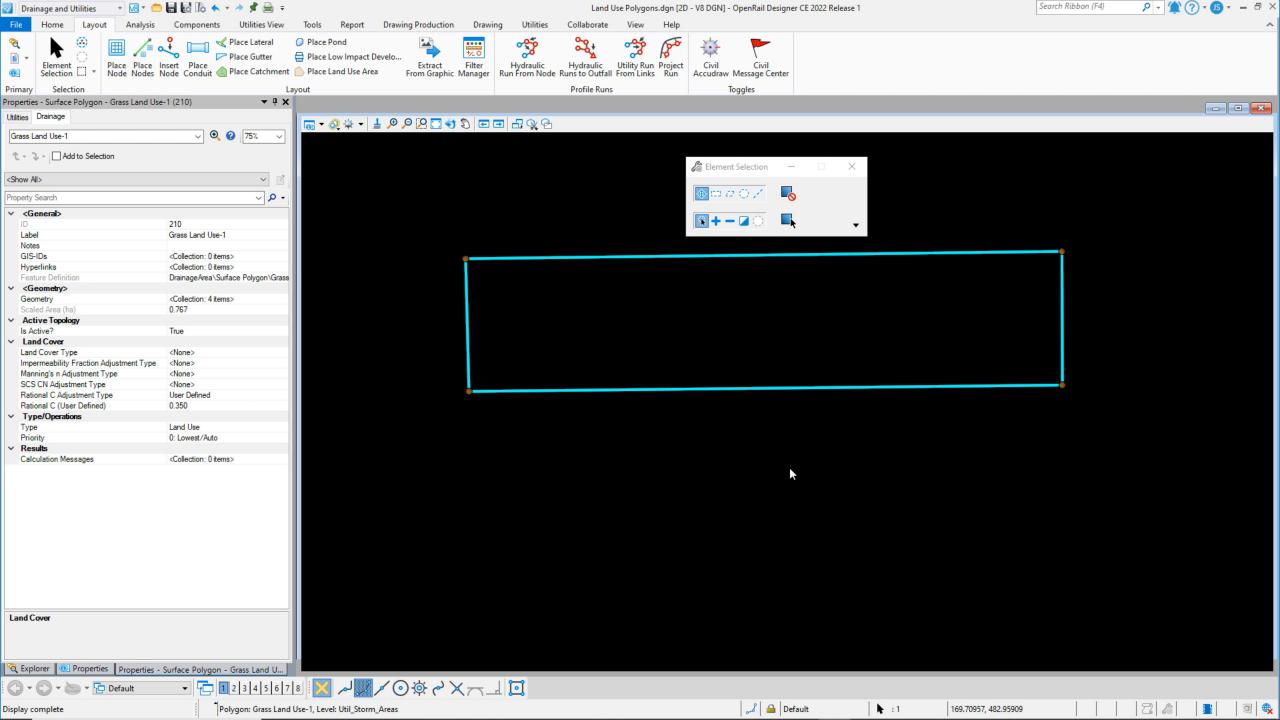




## Land Use Polygons

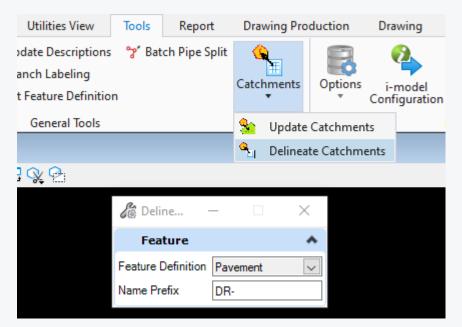
New functionality to identify different land use areas. Catchment areas inherit from land use areas, and calculate a weighted runoff coefficient.

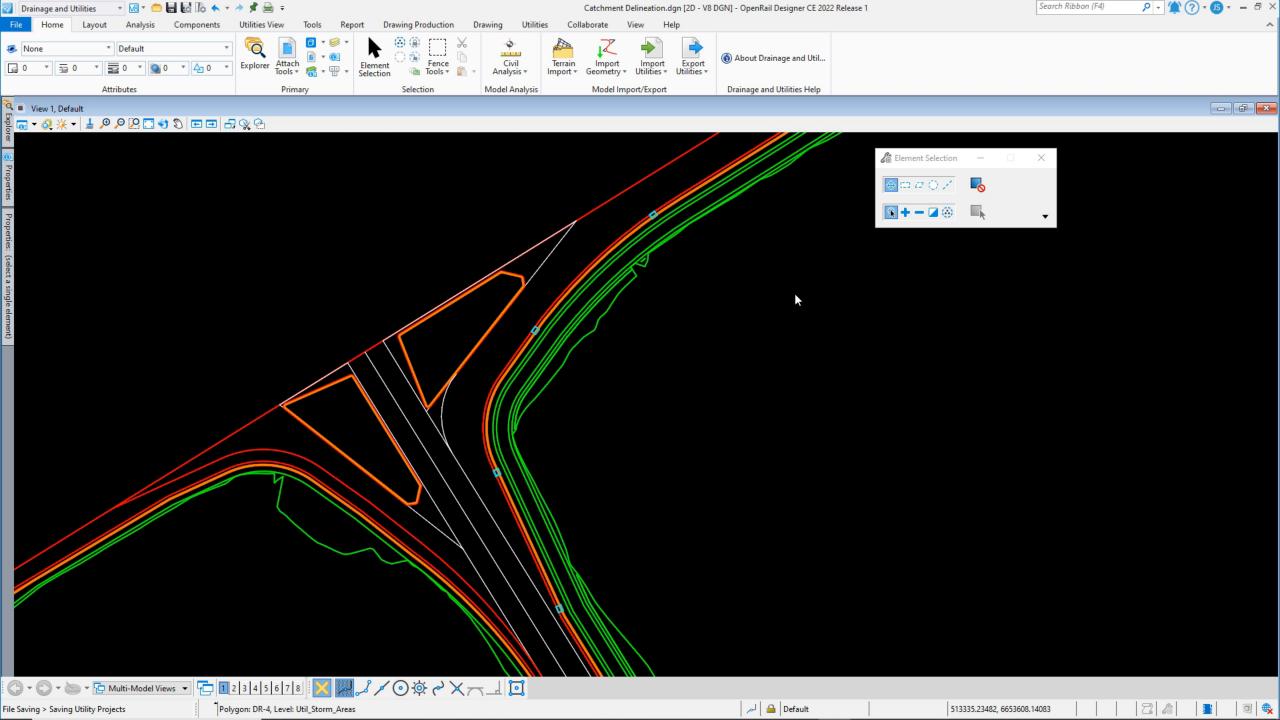




### Delineate Catchment

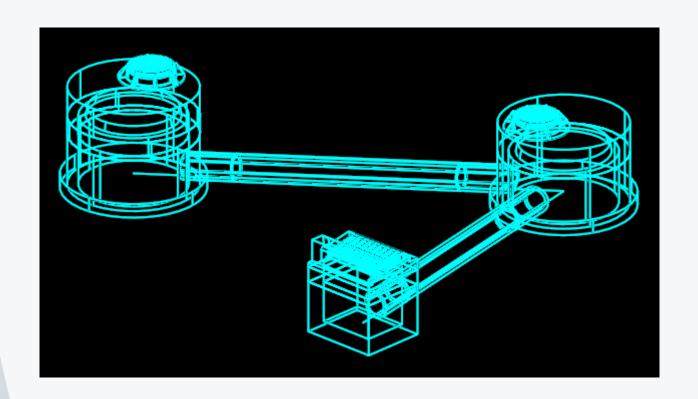
# Added functionality to delineate catchment areas for existing inlets

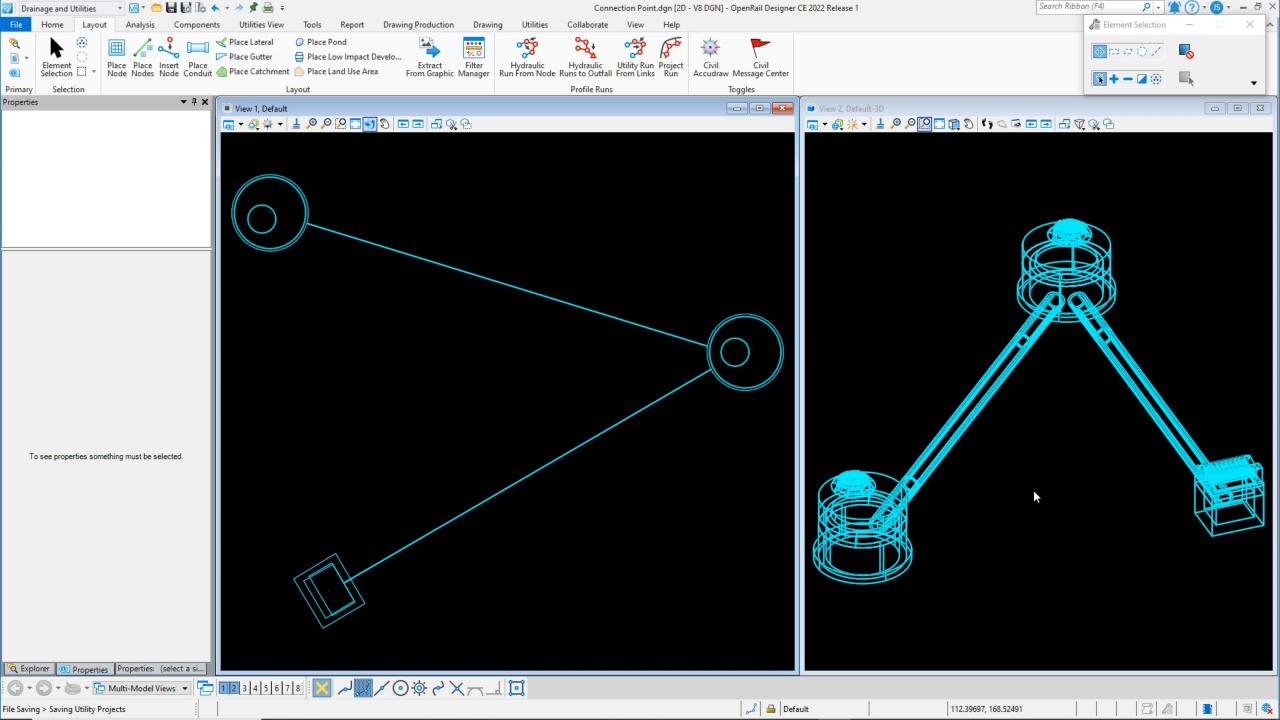




### Connection Point

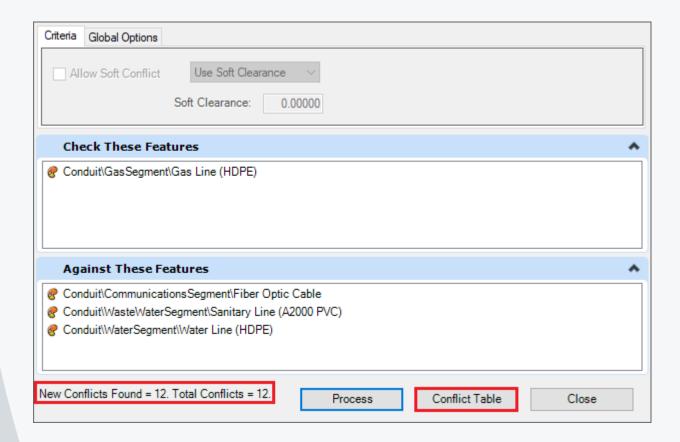
Added a connection point, as opposed to a connection ring or region.





### Conflict Detection

Resolved issues with references Fixed bugs Added a Conflicts count Added a button to open the Conflicts *FlexTable* 





## What may be new in Drainage and Utilities 2022 R 2

Presented by:

### Disclaimer Statement

Release plans and timelines are forward-looking estimates and projections only. There can be no assurance that Bentley will be able to meet such estimates or projections by the dates specified, or at all. Do not make purchase decisions based on forward looking roadmaps.



### **Enhanced API**

- The WaterObjects.NET API has been available in OpenFlows for some time
- It works with Drainage and Utilities, but it needs direct access to the databases
- We recently added the ability to export a Utilities Submodel, to help here
- However, it would be easier if the API simply let you specify the DGN file, and state which database to use (Drainage or Utilities)
- The New OpenFlows API does this
- It also simplifies the code that you need to write
- This improved functionality can be used to write XML files, for DanDas (for example)
- Let's see what it looks like

## Thank you!