Transform 2D Polylines into Pipe Network

Civil 3D® & Dynamo

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We all know featurelines are nice to work with. Once converted from elements, a featureline is a single element within a site and must be treated as is.

With this video I will explain a workflow to easily transform 2D polyline into a Pipe Network, using Dynamo scripting. The gain is filling the civil 3D blanks and speeding up your process.

The workflow I want to change is transform all 2D polylines within a layer to pipelines, without using "Create Network from object".

This workflow is in three steps:

> Step 1: Create Site[s] & Pipe network[s] naming
>
> Step 2: Transform polylines into Pipes & Structures
>
> Step 3: Connect Pipes & Structures

Workflow Video

Download Dynamo files

Requirements:

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Dynamo script requires the following packages:

- Civil3DToolkit 1.1.32
- Data-Shapes 2022.2.101
- DynamoIronPhyton 2.7

You can add packages by opening Dynamo, menu packages and search to the applied names above.

Note: the script will have warning over old use off Phyton version.