

Rail Baltica nõuetele vastava LOD 300 välisveevarustuse ja - kanalisatsiooni BIM mudeli koostamise senine kogemus

Raimo Lust

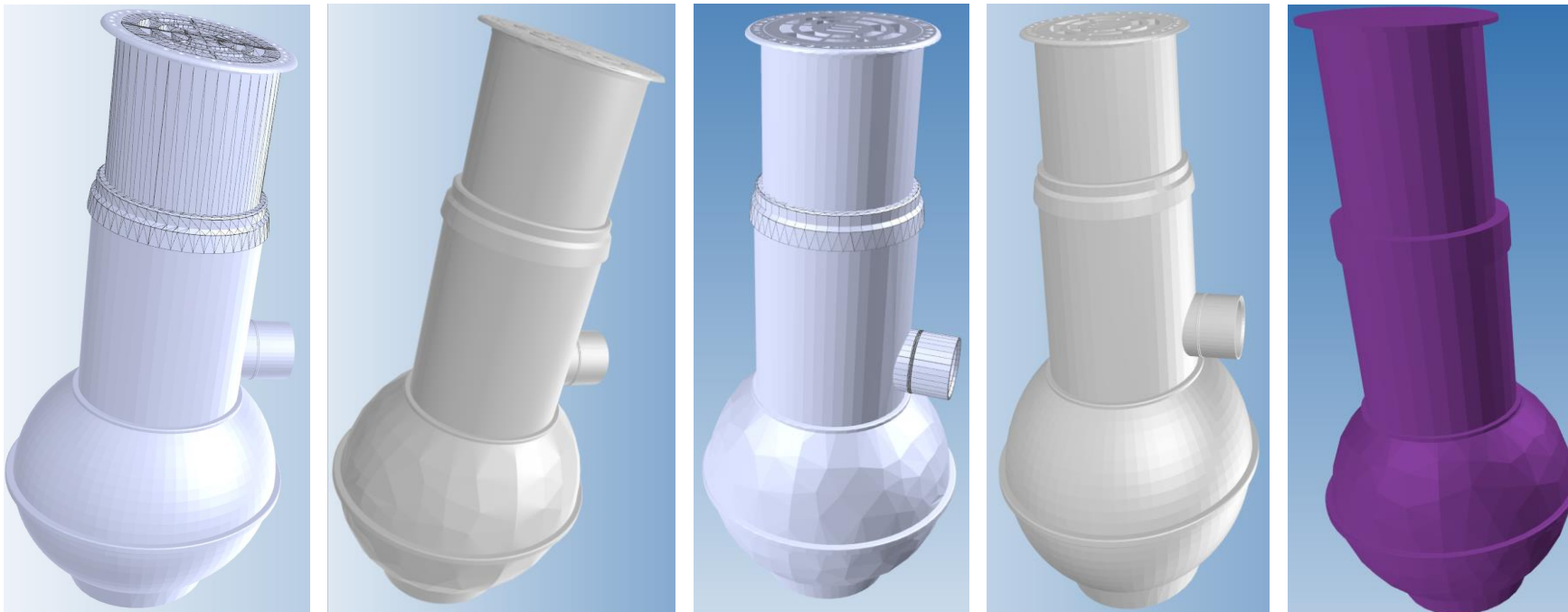
Eesmärk

Luua tellija nõuetele vastav mudel nii, et projekteerija teeb töö endale võimalikult tuttavas tarkvaras

- Building Information Management (BIM) Employer's Information Requirements (74)
 - BIM Manual (174)
 - CAD Standards (22)
 - CADManual (17)
 - Codification & Data Management (39)
 - General requirements(49)
 - BIMExecutionPlan (147)
 - EE_DS3_File_naming_conventions_2020-03-24.xlsx
 - RBDG-TPL-019-0102_BIM_Objects_Attributes_Matrix.xlsx
 - tbIOCC.xlsx
 - RBDG-TPL-024-0101_BIM_Objects_LoG_Matrix.xlsx
 - RBDG-TPL-016-0103_CodificationTables.xlsx
 - ASSET_coding.xlsx
 - RBDG-TPL-017-0101_QEXTemplate
 - RBDG-TPL-018-0101_QTOTemplate
-
- Kokku 29,5 MB, millest PDF lehekülgesid 522

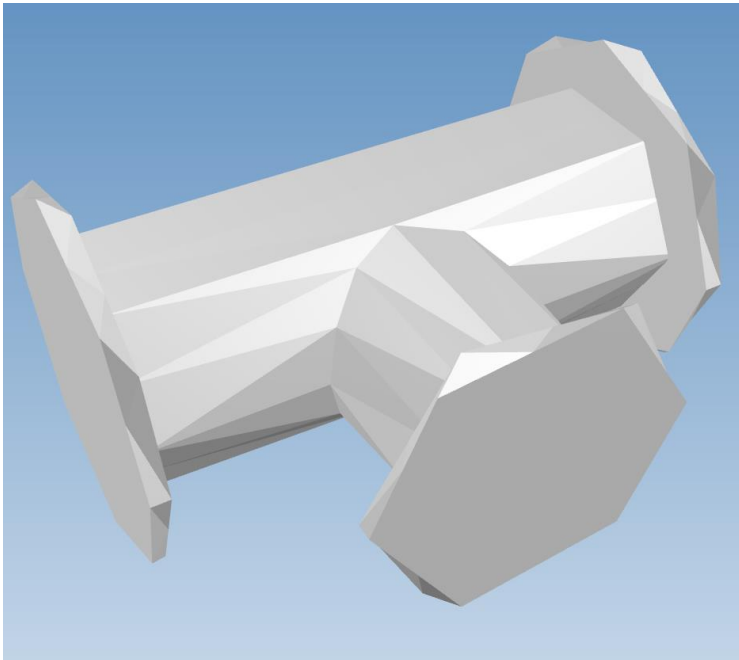
IFC geomeetria ja faili suurus

- [Solidworks-IFC – 44,2 MB](#)
- [Solidworks-STEP-AutoCAD-Revit-IFC – 82,6 MB](#)
- [Solidworks-BXF-Revit-IFC – 12,9 MB](#)
- [Solidworks-IFC-Revit-IFC – 10,7 MB](#)
- [Revit-IFC – 1,1 MB](#)

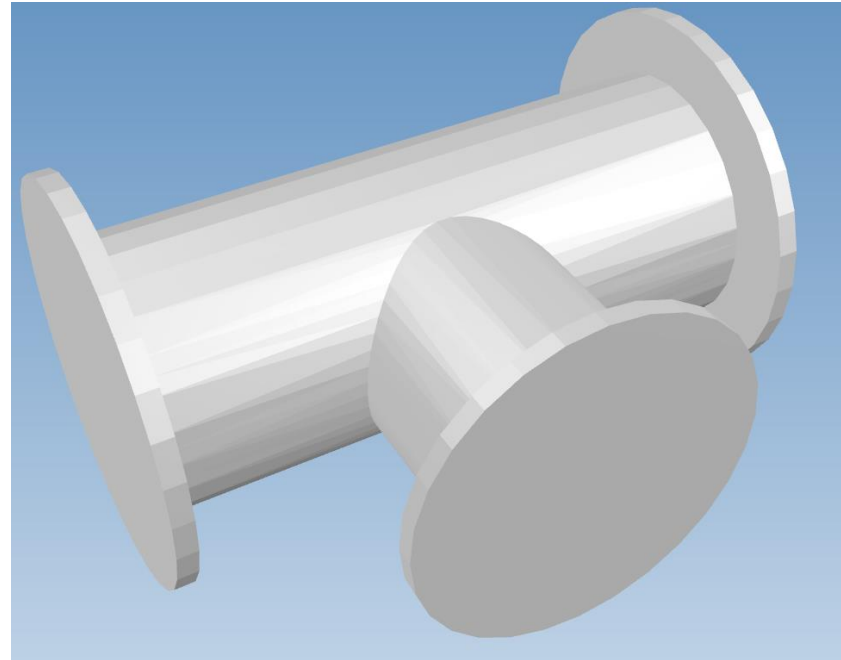


Parameetriliste elementide loomine

- 32 erinevat elementi
- 316, kui arvestada erinevaid suursusi
- IFC ekspordi eripära:



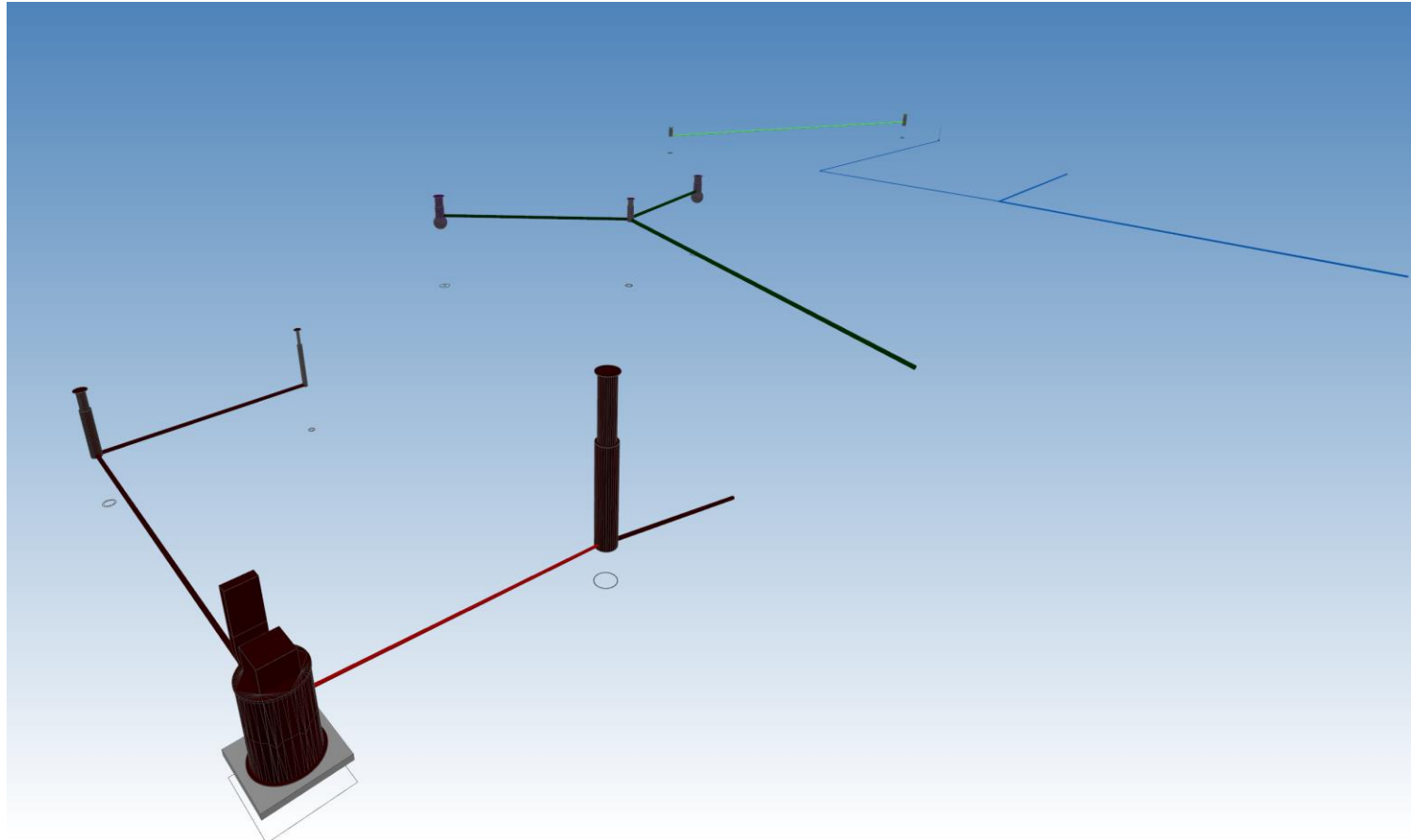
Pipe Fitting



Pipe Accessories

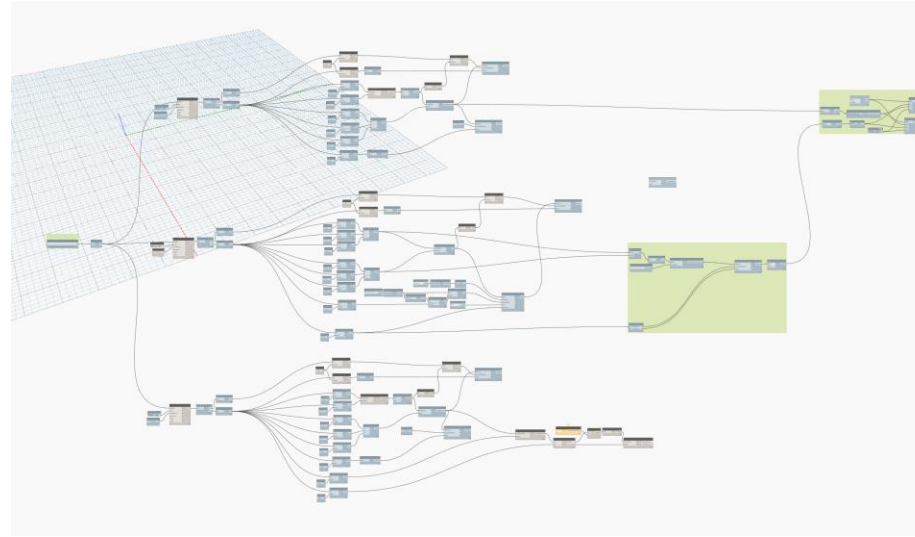
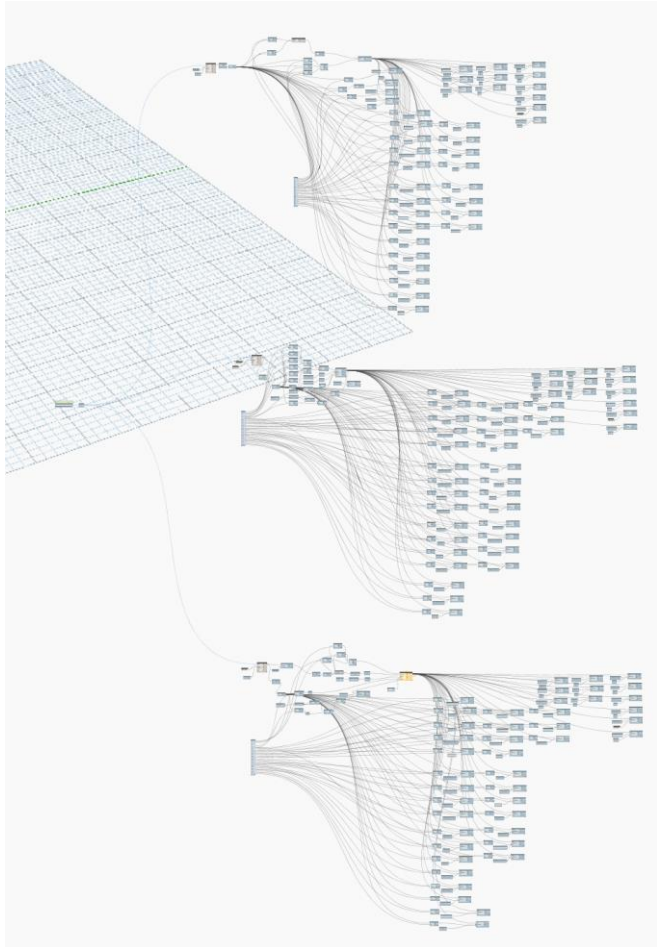
Näidismudel

infragate



Probleemid

- Parameetrite lisamine

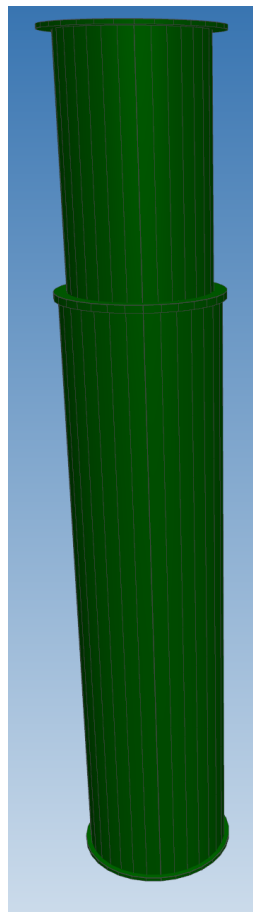


Probleemid

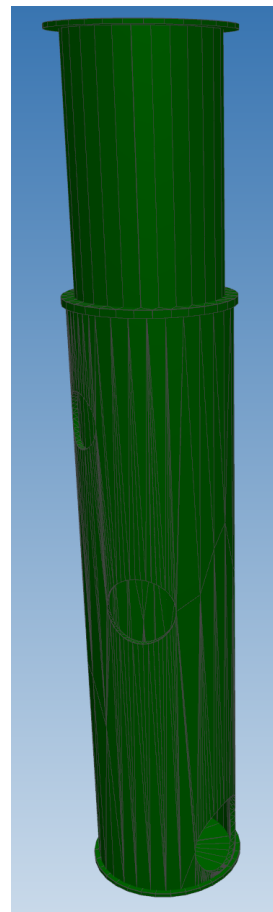
- Parameetrite lisamine
- L-EST koordinaadid-Shared Coordinates

Kaevudesse avad

infragate



12 KB



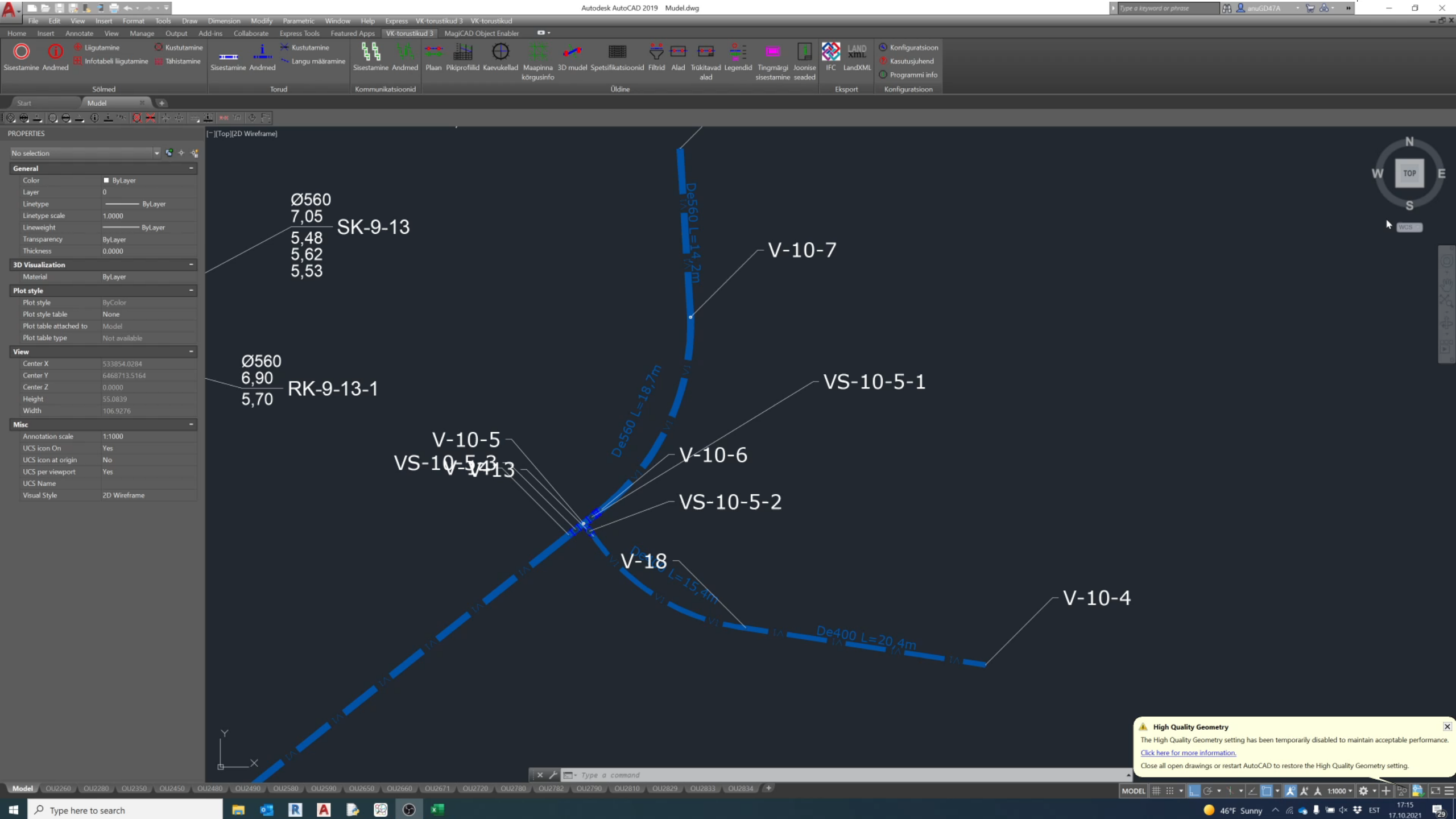
544 KB

Probleemid

- Parameetrite lisamine
- L-EST koordinaadid - Shared Coordinates
- Kaevudesse avad
- Sõlme elemendid ja sõlmed
- Survetorud
- Infosisu automatiseerimine

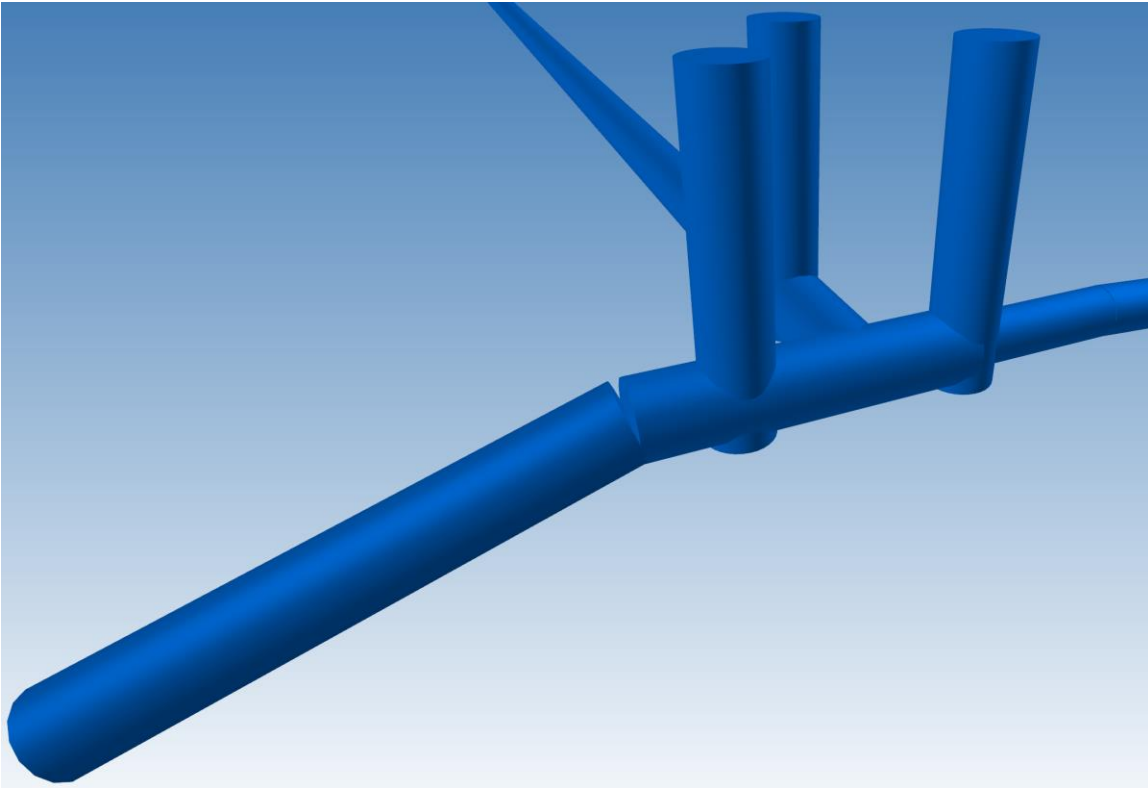
Infosisu automatiseerimine

- Ajamahukad
 - RBR-Location
 - RBR-Start_Kilometre
 - RBR-End_Kilometre
- AutoCAD lisakäsk automatiseerimiseks

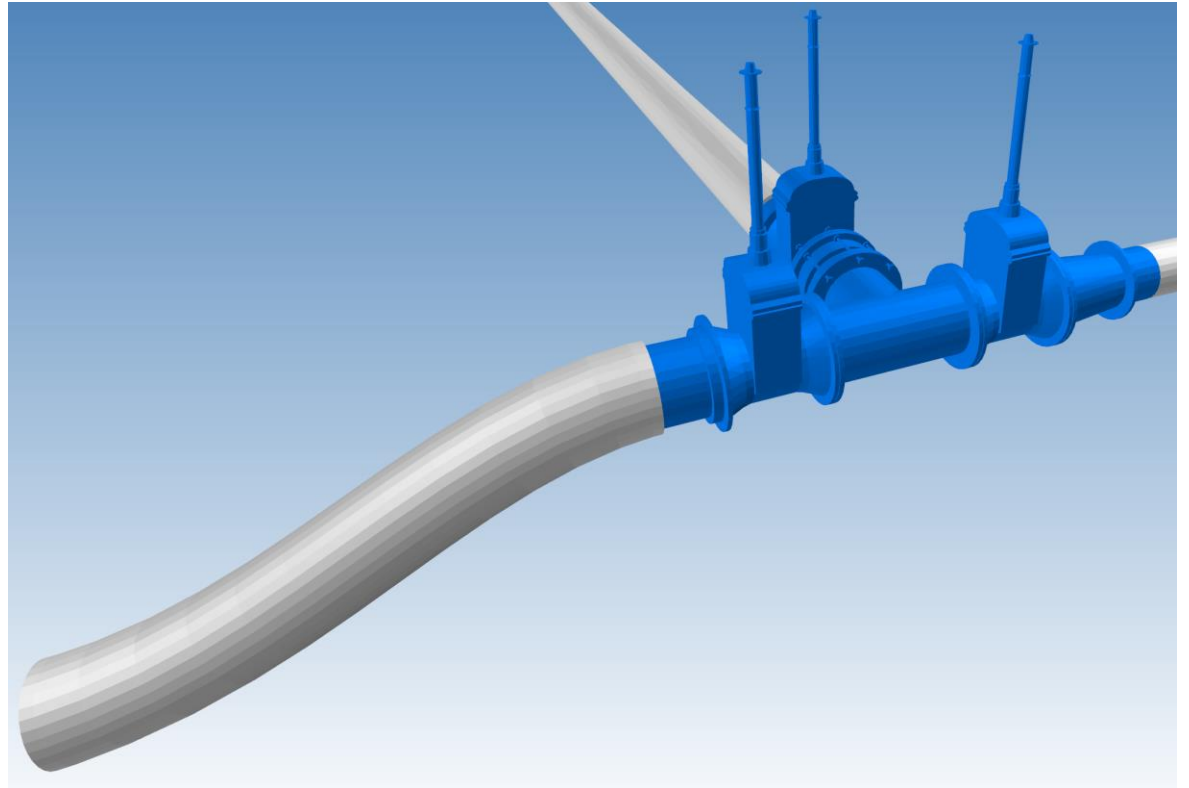


Kas selline detailsus on vajalik?

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LOG200



LOG300

Küsimusi?

Aitäh!

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