



An Overview of **Beam Delivery & Detector Hall** **Regions** **Option Studies**



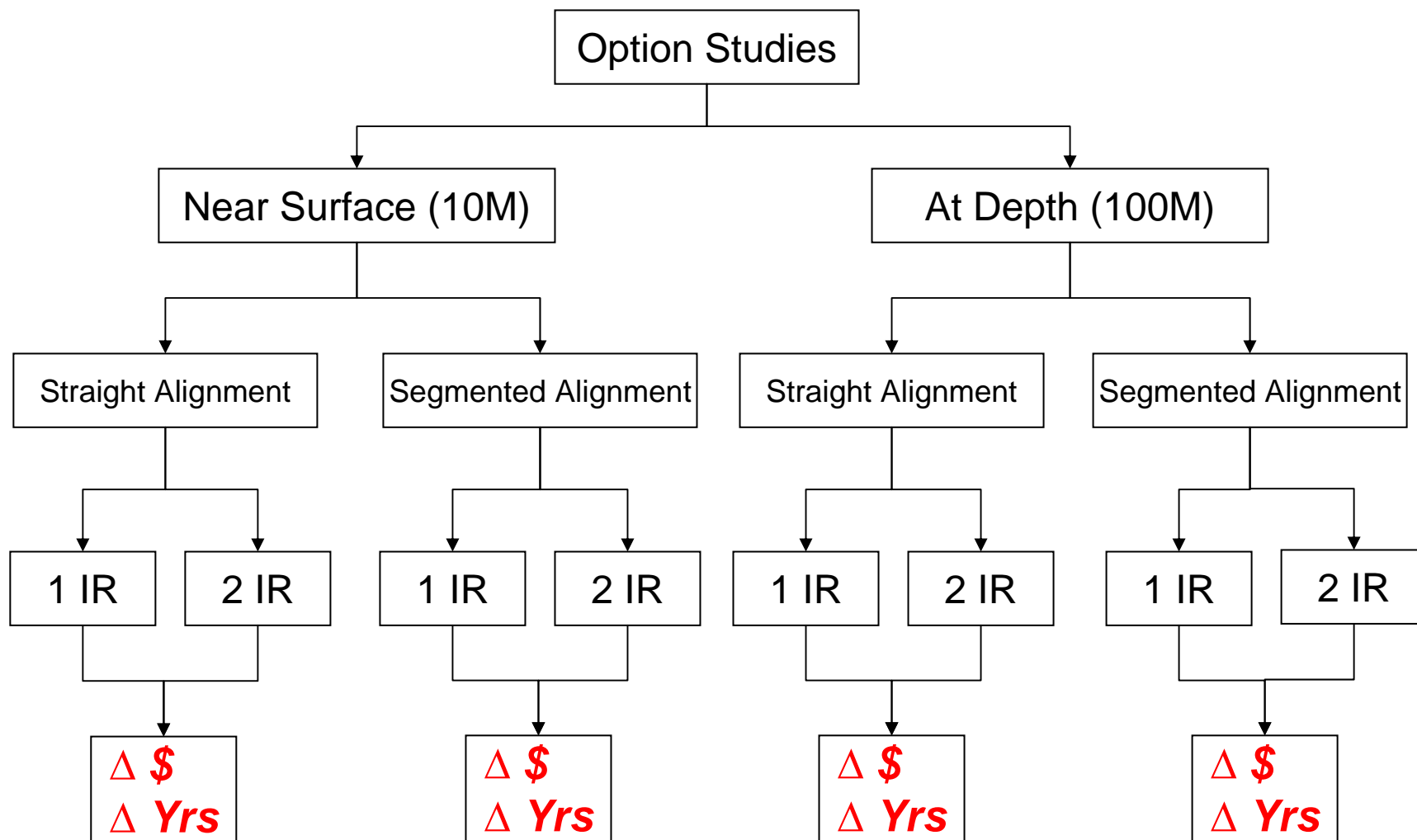
Civil Option Studies Considered for the RDR “*Draft*”

Following is a partial list trade-off choices under consideration:

- Provision for extension for upgrade to 1 TeV
- Linac tunnel depth
- Tunnel vertical profile
- Linac tunnel and service tunnel arrangement
- Damping ring style
- Damping ring construction
- Crossing angles and dumps
- Number of IR's (one vs. two)
- Dual IR issues

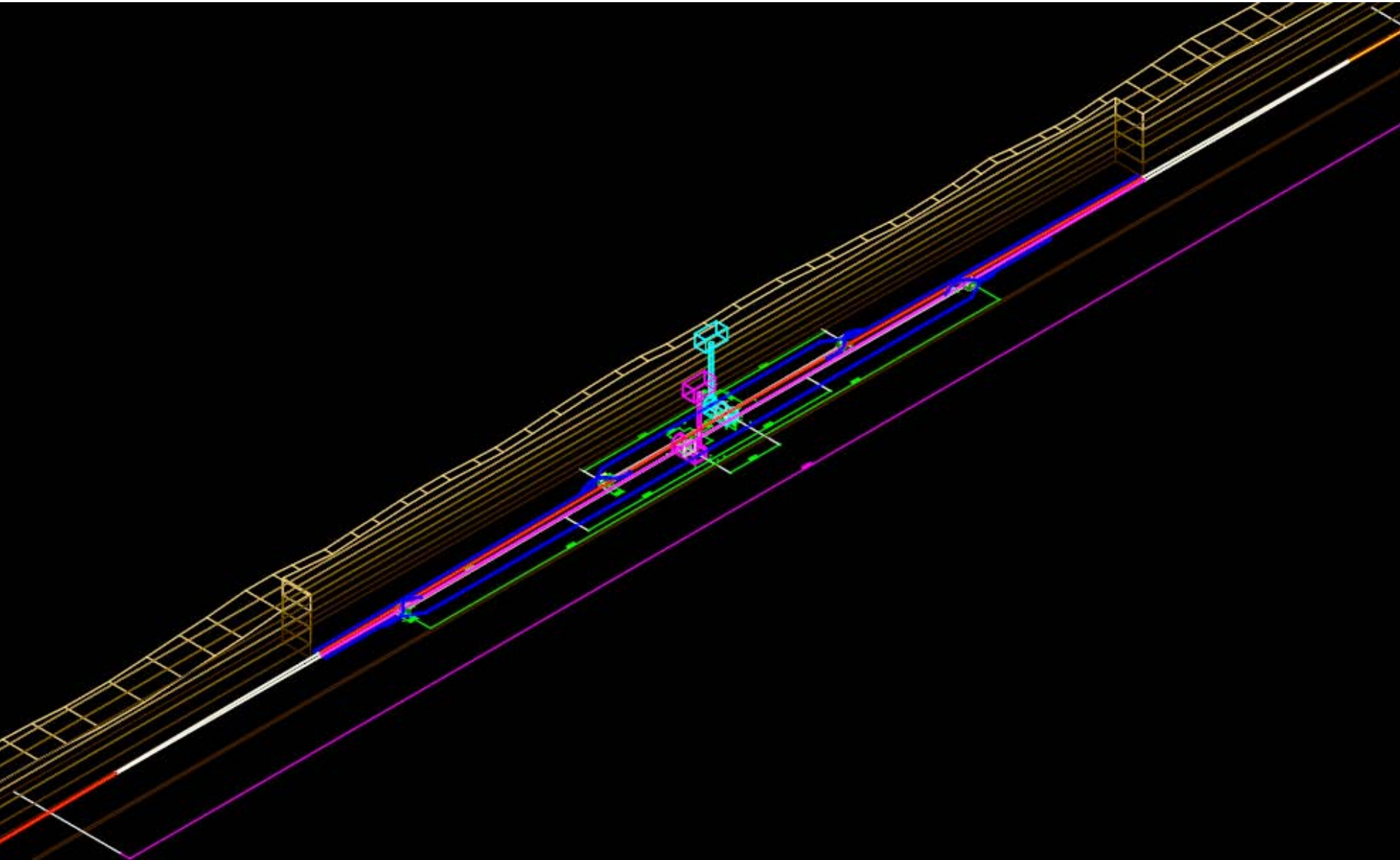
A parametric cost assessment of the civil construction aspects of the BD and the IR regions for at a near surface vs. at depth have been initiated:

- To help to better understand their civil engineering and cost implications

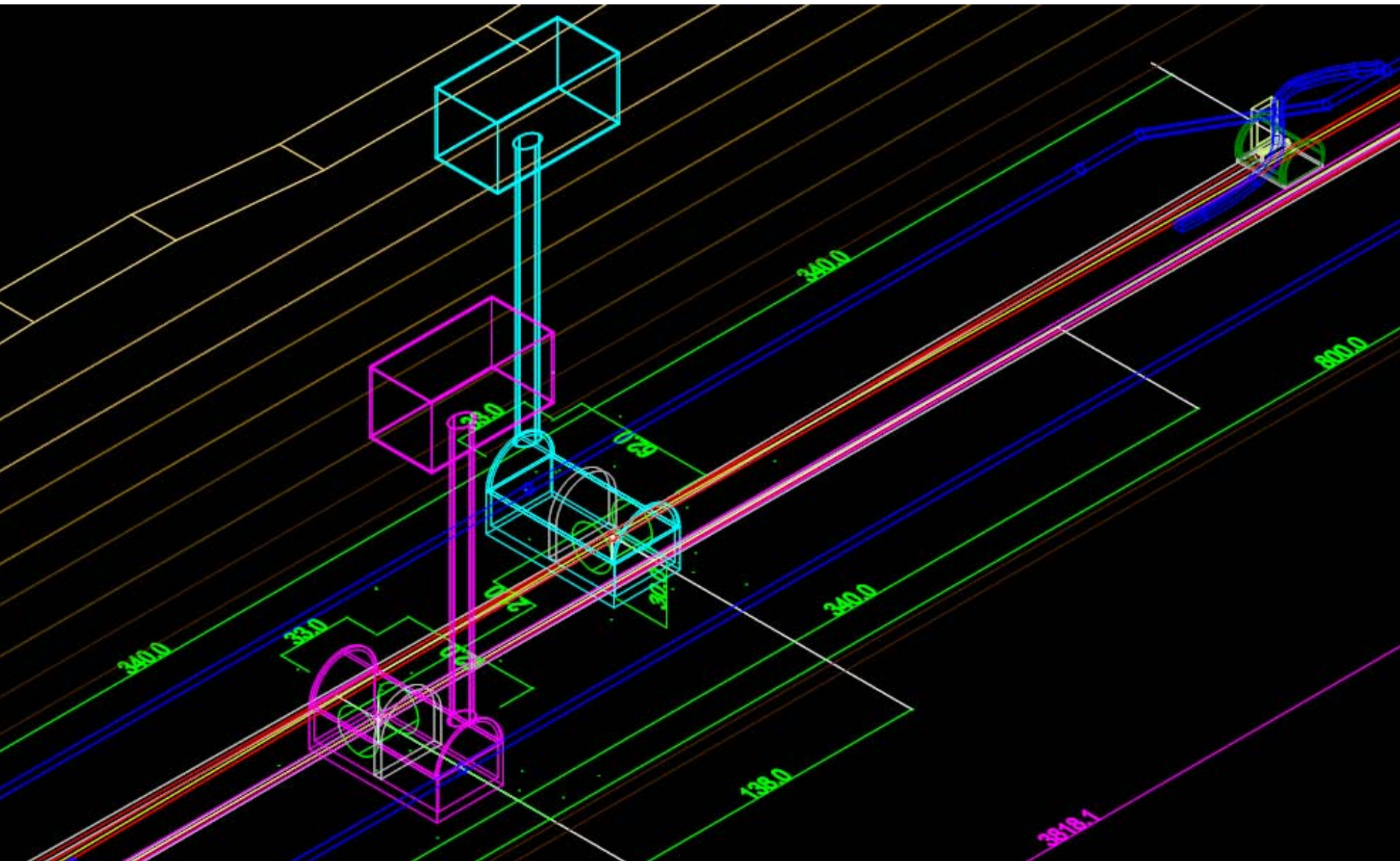


- During the presentation, Autocad drawings were shown and discussed
- In this file, only several snapshots are inserted
- The CF cost numbers, discussed during the meeting, are not included in this file

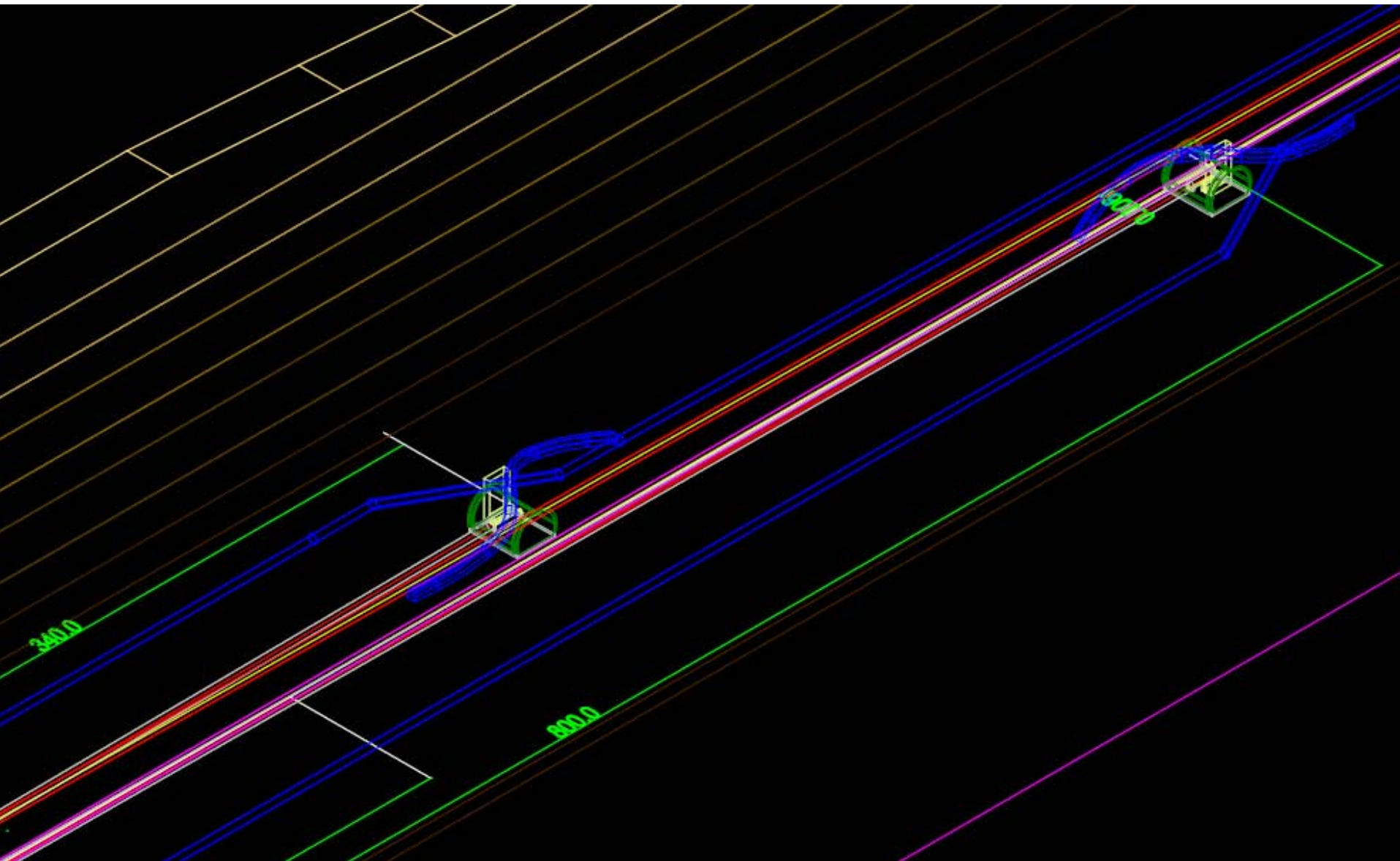
At depth

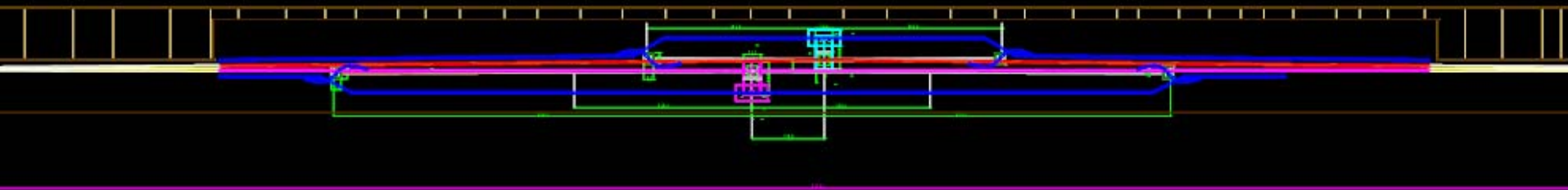


At depth

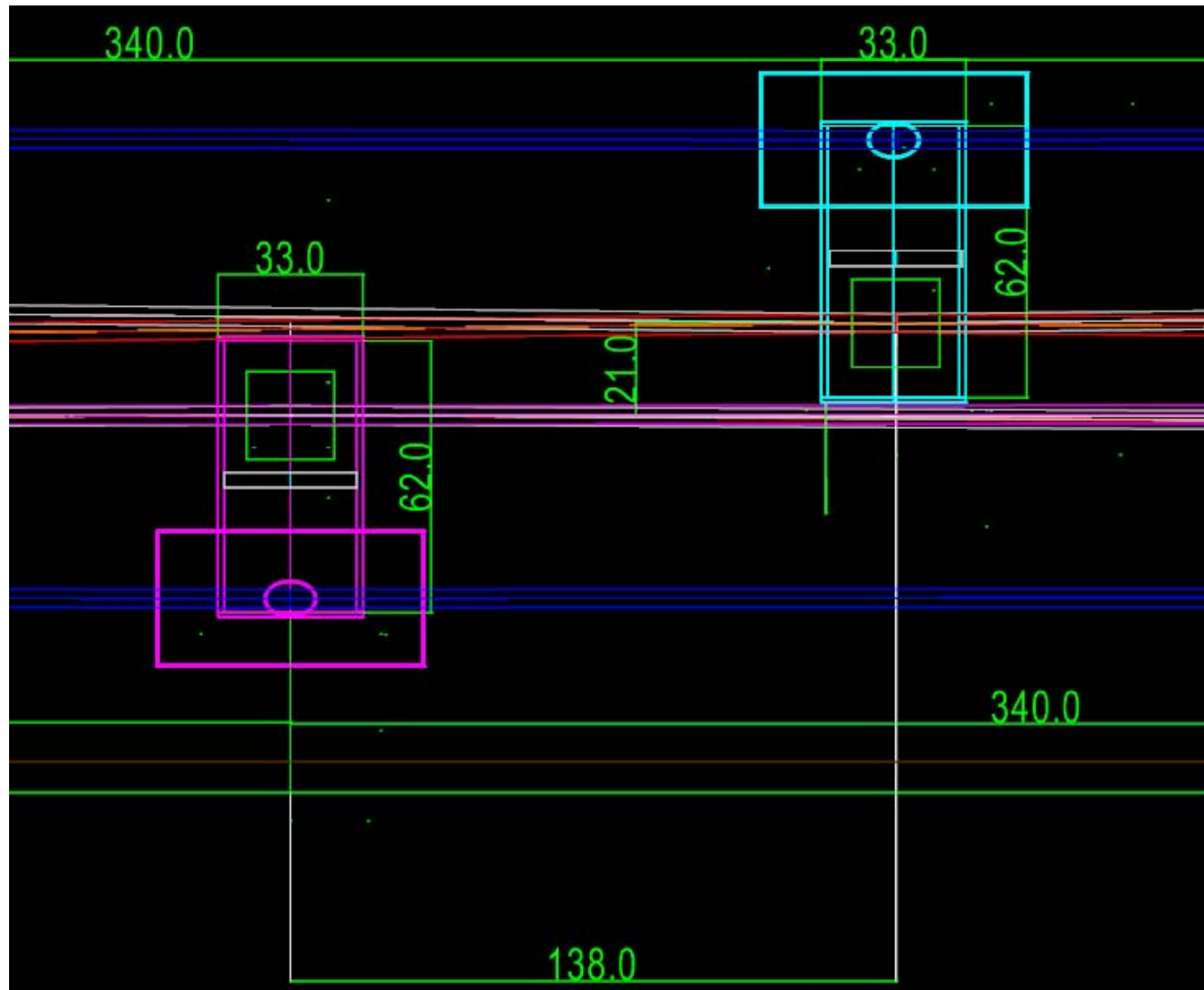


At depth

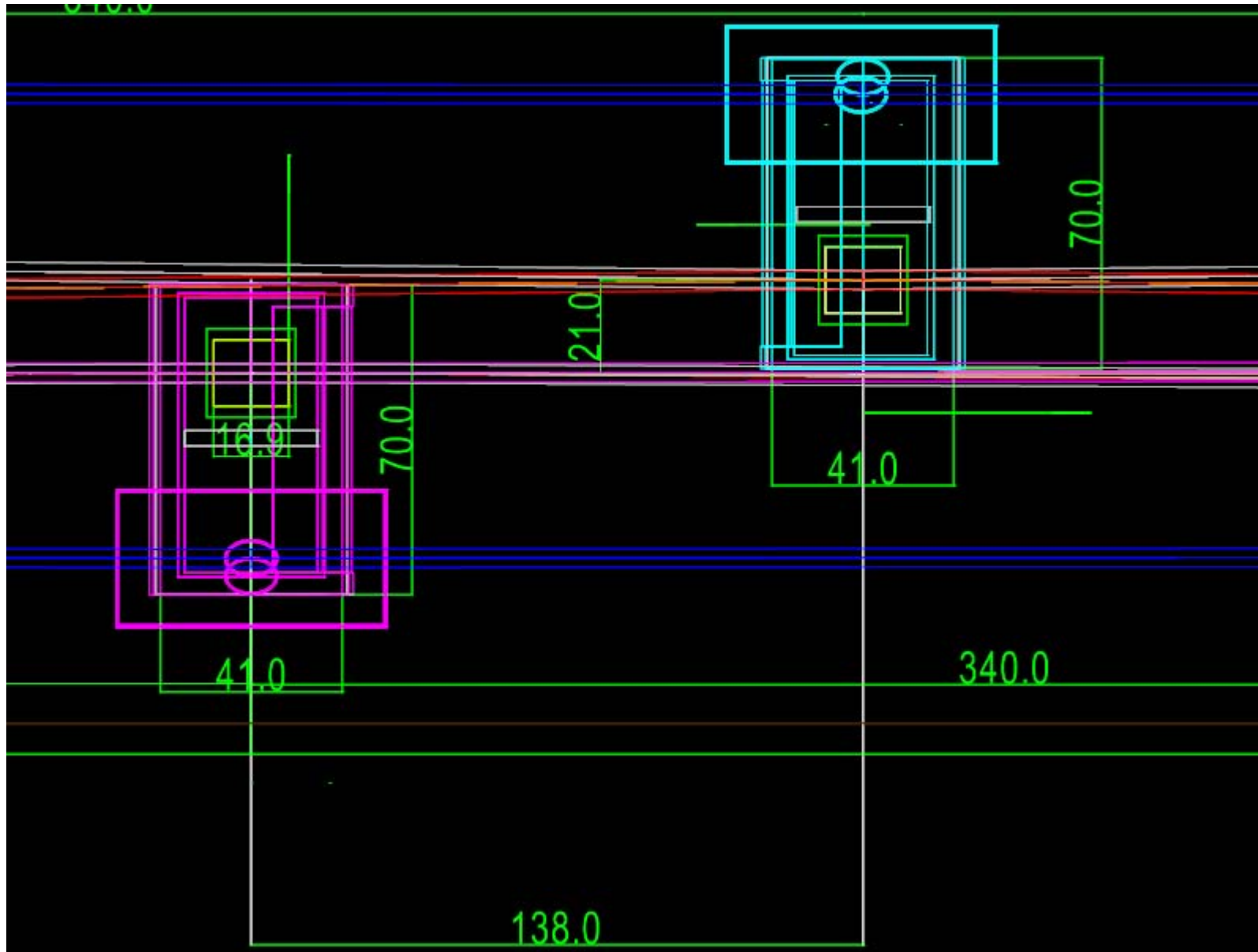




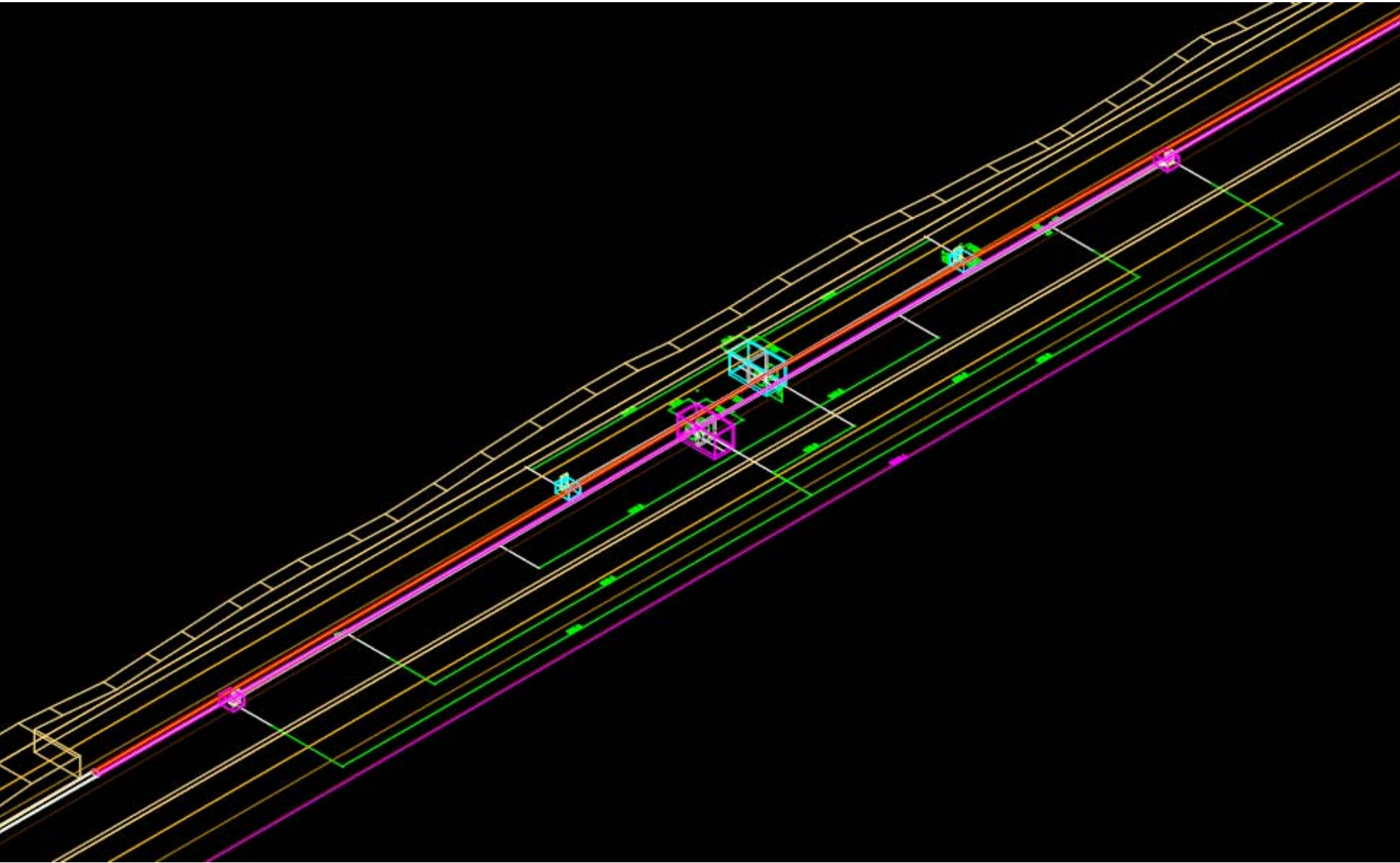
At depth



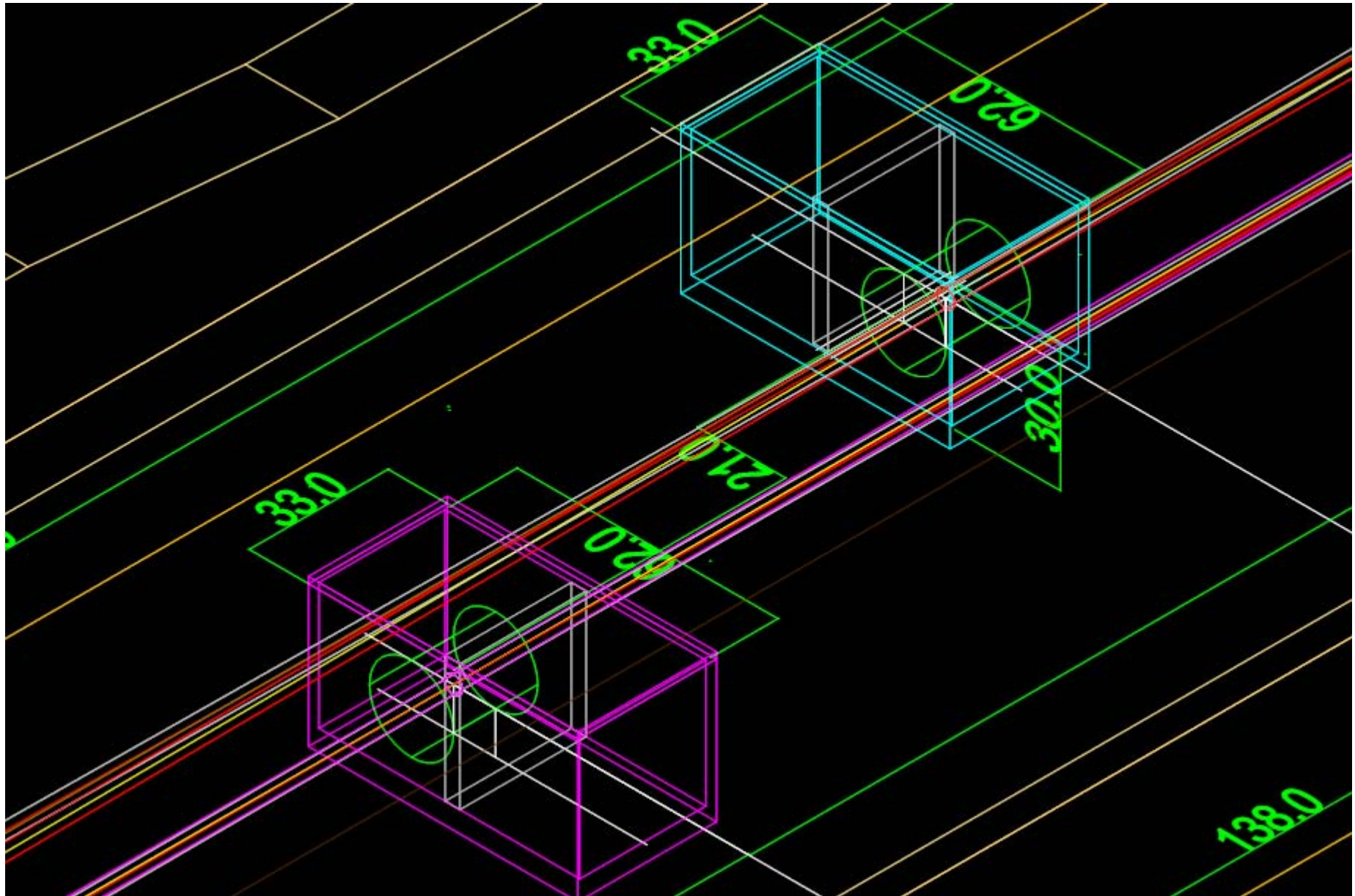
At depth, GLD



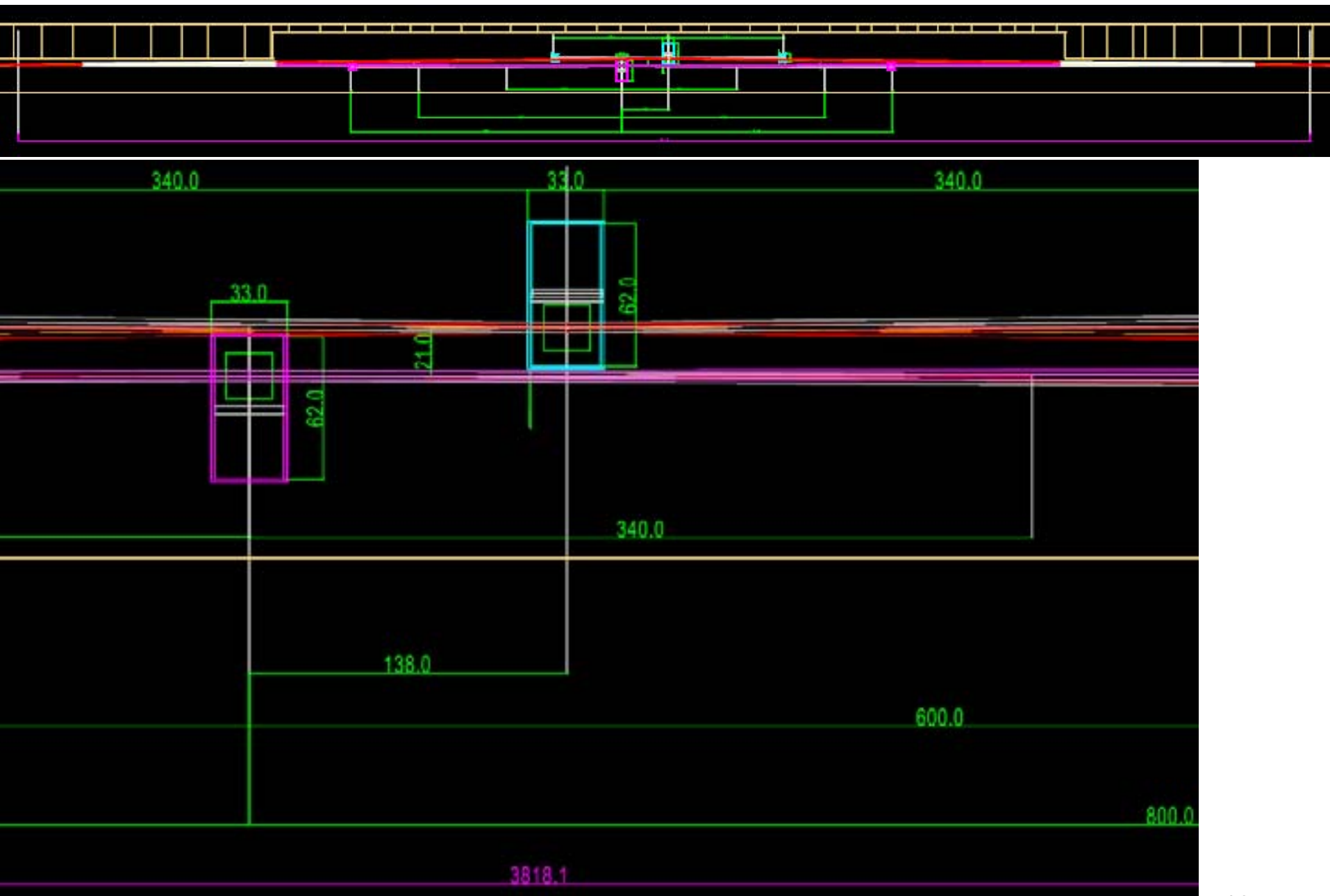
Near surface



Near surface



Near surface



Near surface

