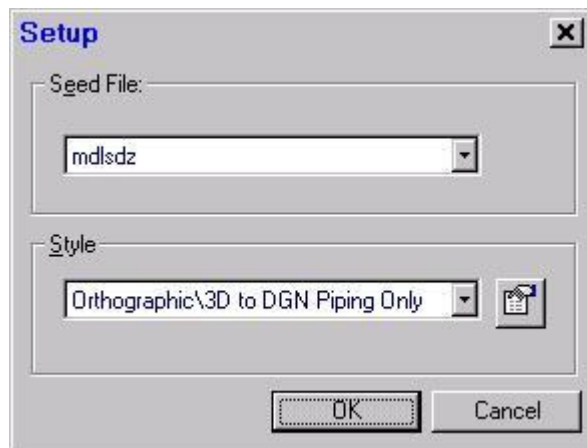


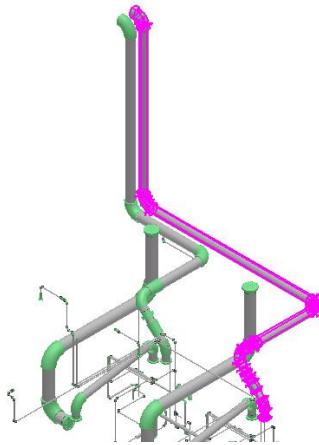
CLIFFSIDE- EXPORTING SP3D ITEMS TO MICROSTATION 3D

1. In Drawings and Reports task create a folder for Microstation dgn exports. E.g. “DGN”
2. Right click the new folder and select “New”
3. In add component form that appears select Microstation 3D DGN and OK
4. Rename the component that appears to reflect the target contents. E.g. The name of the piping system to be exported or the name of the eqp item(s) to be exported
5. For this example, we’ll extract a piping system XX. Right click on XX and select setup
6. In the Setup form select seed file “mdlstdz”
7. In the Style pulldown select “Orthographic\3D to DGN Piping Only” (Shaw style)



8. Switch Tasks to Space Management
9. Make sure that the active workspace shows the piping system (or any other graphic items) to be sent to Microstation 3D dgn

Looking NW (315° from N) and 35° Down



10. A Plant filter named 4-EXPORT_TO_DGN is available for editing in order to find the item(s) for export. User can access it using Tools>Select by Filter.



Edit this filter definition as needed

(System and if desired Object Type tabs) to select items for export. This is a **required step**, as this filter will determine what graphic items to include from within the volume to be defined next.

11. From side bar menu select “**Place Drawing Volume by Selection**” command



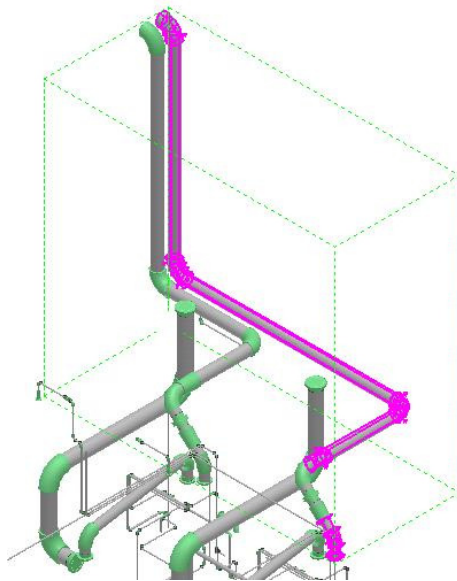
(third from the bottom)

12. Under Drawing Type select more...
13. Navigate the volume drawing type form that appears to the drawing component created in step 4 above
14. Under Space Folder select more...
15. Select the Database button and then select
120631>00>65>Dewatering>DW_Piping and OK



16. The system prompts to “Select object(s)...” Select the opposite ends of the item(s) for export. A volume will be displayed showing the extents of the volume to be exported to dgn

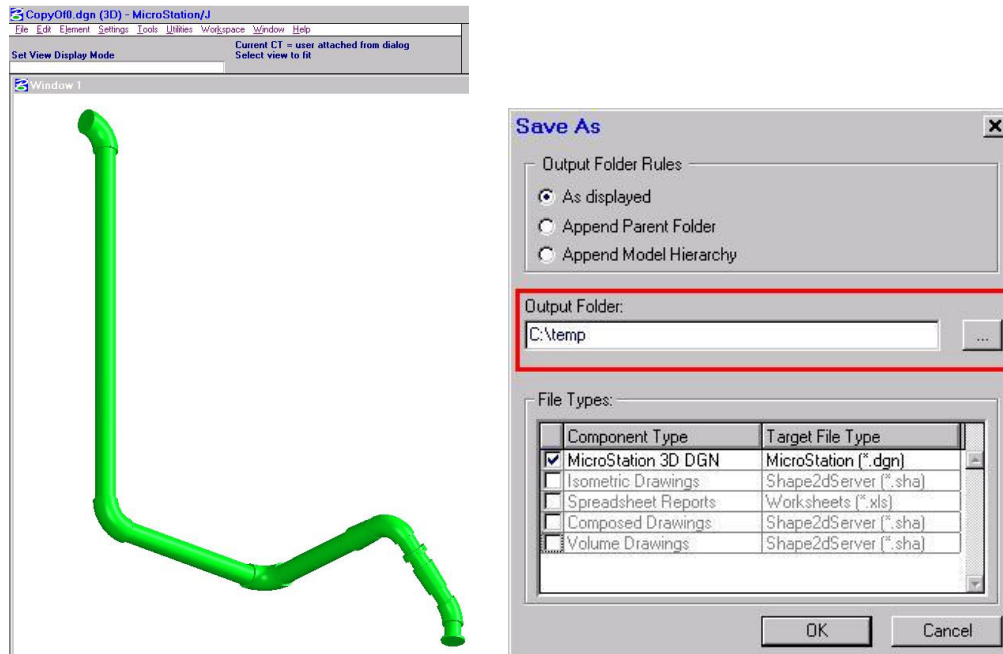
ng NW (315° from N) and 35° Down



17. Select Finish to commit the volume to the database.
Note that the volume may enclose other unrelated graphic items. The filter defined in step 10 above “4-EXPORT_TO_DGN” will take care of excluding these extra items from the Microstation dgn output file
18. Return to the Drawings and Reports task
19. Right click on the DGN folder created in step 1 above and select “Create Drawings”

20. Select the drawing definition containing the export; in this example it was named XX in the previous steps
21. Right click XX and select Update Now

NOTE: Microstation will be opened during the export process. Don't close it or interact with it, it will close automatically when process completes
22. Double click the output file once update completes and it appears with a green check mark on it. Use the Microstation Fit-all command to review the contents



23. This Microstation output is stored in the database. To generate a file to send to other disciplines right click on the output file, e.g. XX, and select Save As...
24. Use the ... button to select the output folder for the 3D dgn file and OK. System will confirm that 1 document was saved

Note: This example focused on piping from DW area. Simply change filter 4-EXPORT_TO_DGN and the volume creation process to select other piping from anywhere in the model. You'll need to request a view style specific to a discipline from CAE for eqp, str or elec exports. Currently only "Orthographic\3D to DGN Piping Only" view style is ready for use.