

### XS-List Reports

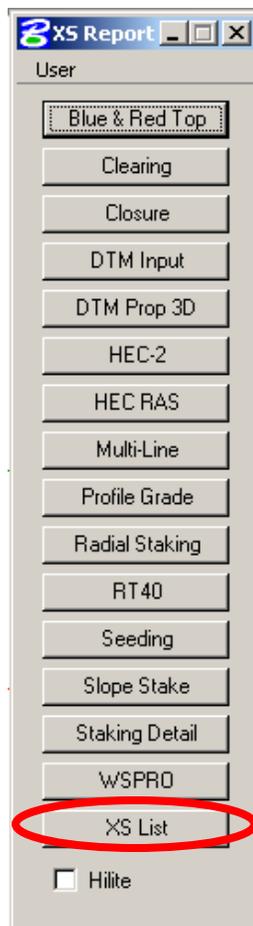
1. Open the Microstation file containing the Geopak cross sections.

2. Select Geopak Cross Section Reports from the Cross Section tool pallet as shown below



Or by pull down menu: **Applications >>Geopak Road >>Cross Sections >> Reports**

3. Select **XS List** from the XS Reports dialog.

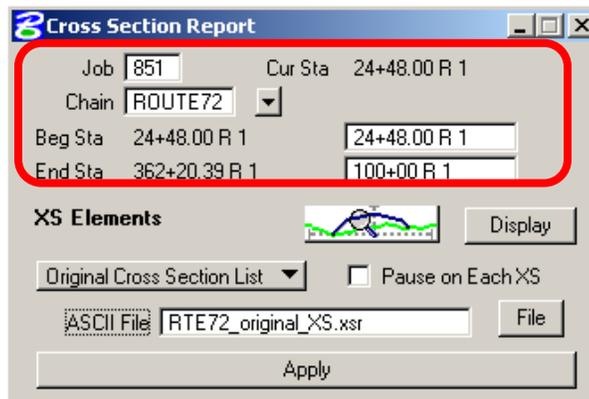


**YOU'LL NEED ONE REPORT FOR EACH GROUND LINE (EXISTING, ROCK IF APPLICABLE AND PROPOSED) PER EACH CROSS SECTION FILE.**

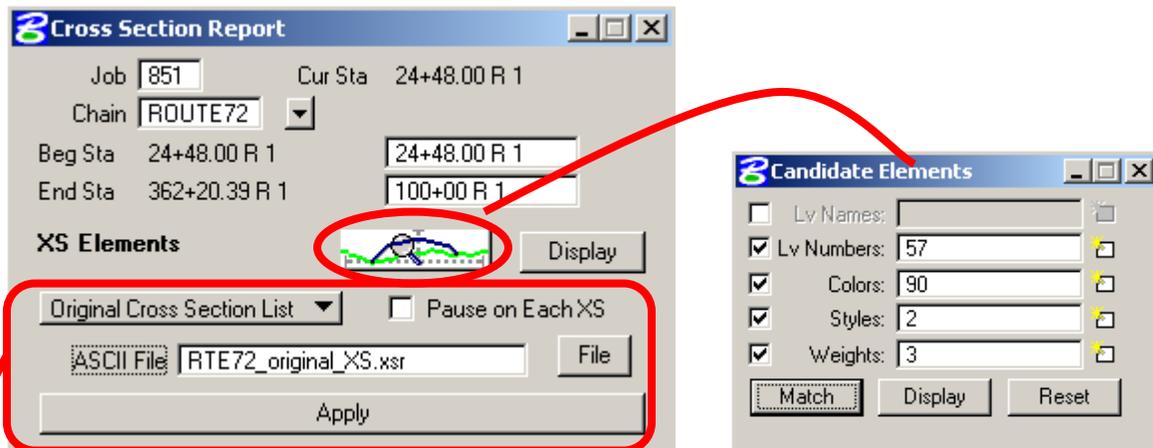
4. First, you'll create the original ground template. The second time, the report will be for the proposed elements template.

Set up the XS List Report dialog as shown below.

Populate the chain information. This will include the **Job** (gpk), **Chain** and **Beg/End Stations** for the wanted report



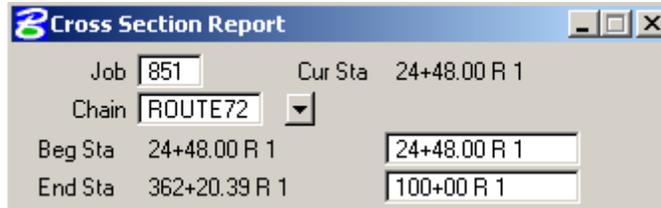
Populate the XS Elements symbology by double-clicking in the element preview icon. Set up the symbology for the original ground.



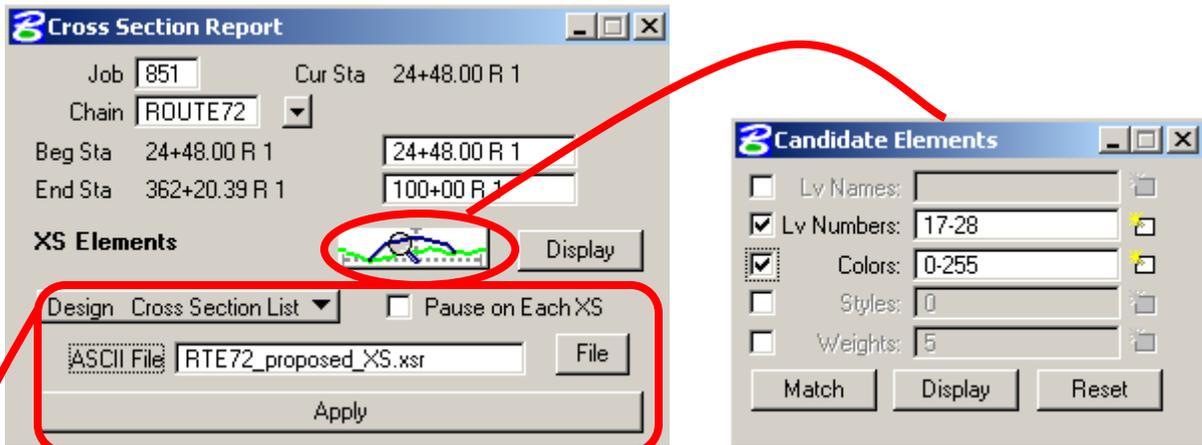
Choose **Original Cross Section List** from the pull down. You can choose to **Pause on Each XS**. Type in the name of the ASCII file with the extension of **.xsr**. This file will be placed in the working directory.

Click on the **Apply** button.

- Now run the report for the proposed cross section template. The top portion of the dialog requires **NO CHANGE**.



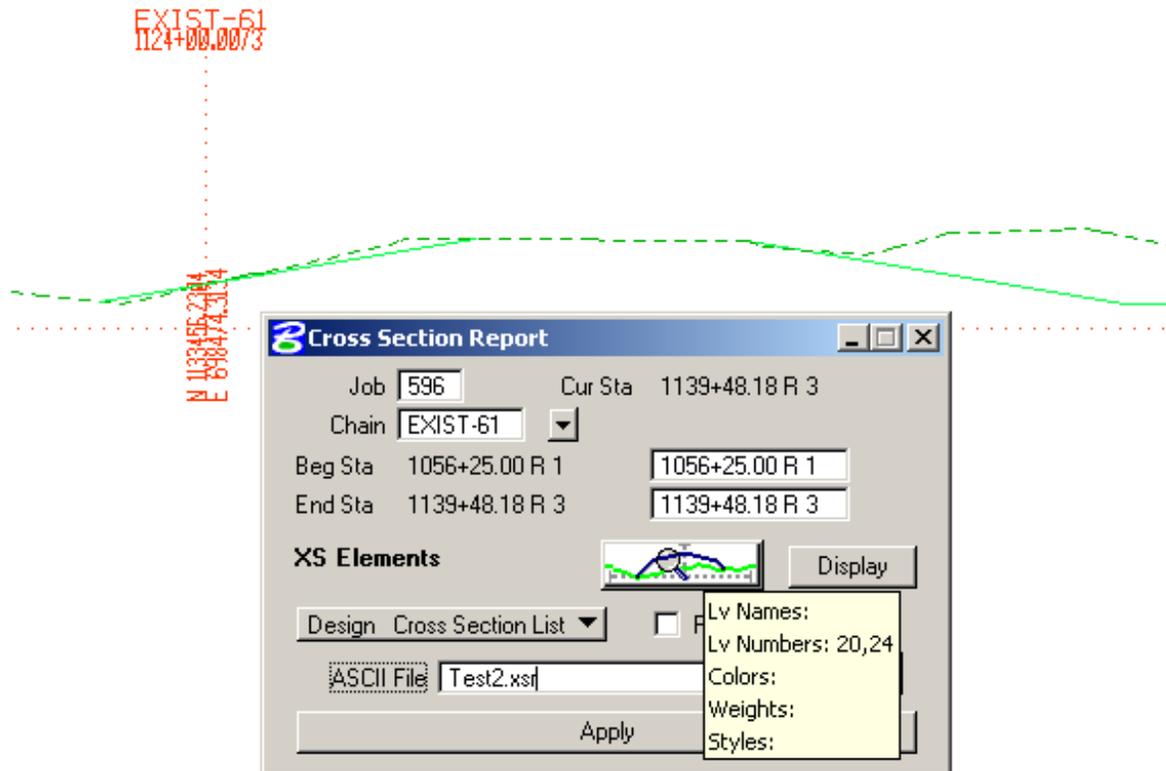
The bottom part of the dialog requires **SOME CHANGE**. Set up the element symbology to include every element making up the **most top layer of the proposed cross sections only**. You can choose to only scan for level number/name and colors.



Choose **Design Cross Section List** from the pull down. You can choose to **Pause on Each XS**. Type in the name of the ASCII file with the extension of **.xsr**. This file will be placed in the working directory.

Click on the **Apply** button.

**NOTE:** If you have proposed cross section templates, which are “disconnected”, you’ll need to turn off all the levels for your sublayers in the Microstation file before running the report. See example below. The report was written to scan solid templates (no disconnected proposed elements). If you have an alignment with this type of proposed cross sections, you can still run the report, but it may not scan all of the cross sections. Run the report for as many cross sections you can. Remember the paper plans govern any electronic data.



**Multi-line Reports**

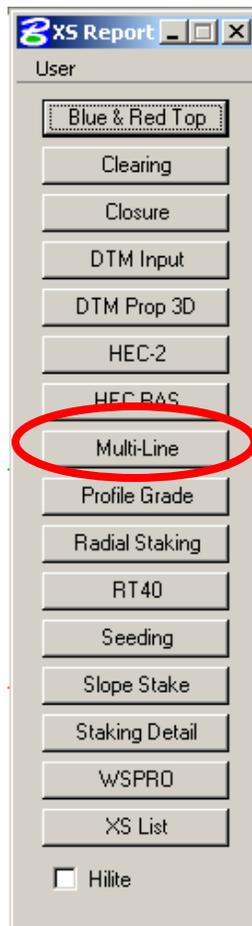
1. Open the Microstation file containing the Geopak cross sections.

2. Select Geopak Cross Section Reports from the Cross Section tool pallet as shown below



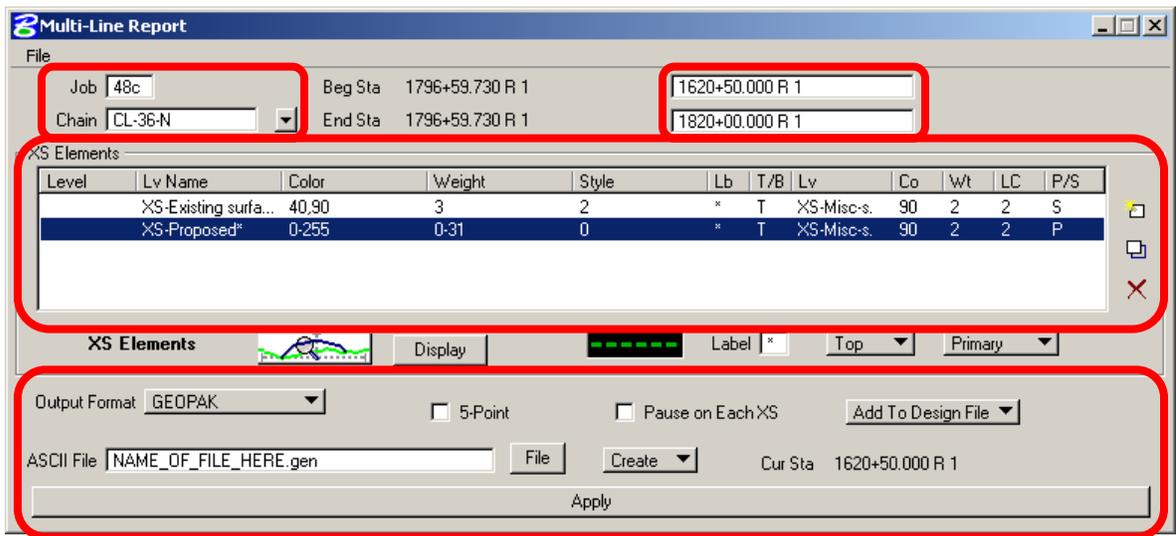
3. Or by pull down menu: **Applications >>Geopak Road >>Cross Sections >> Reports**

4. Select **XS List** from the XS Reports dialog.



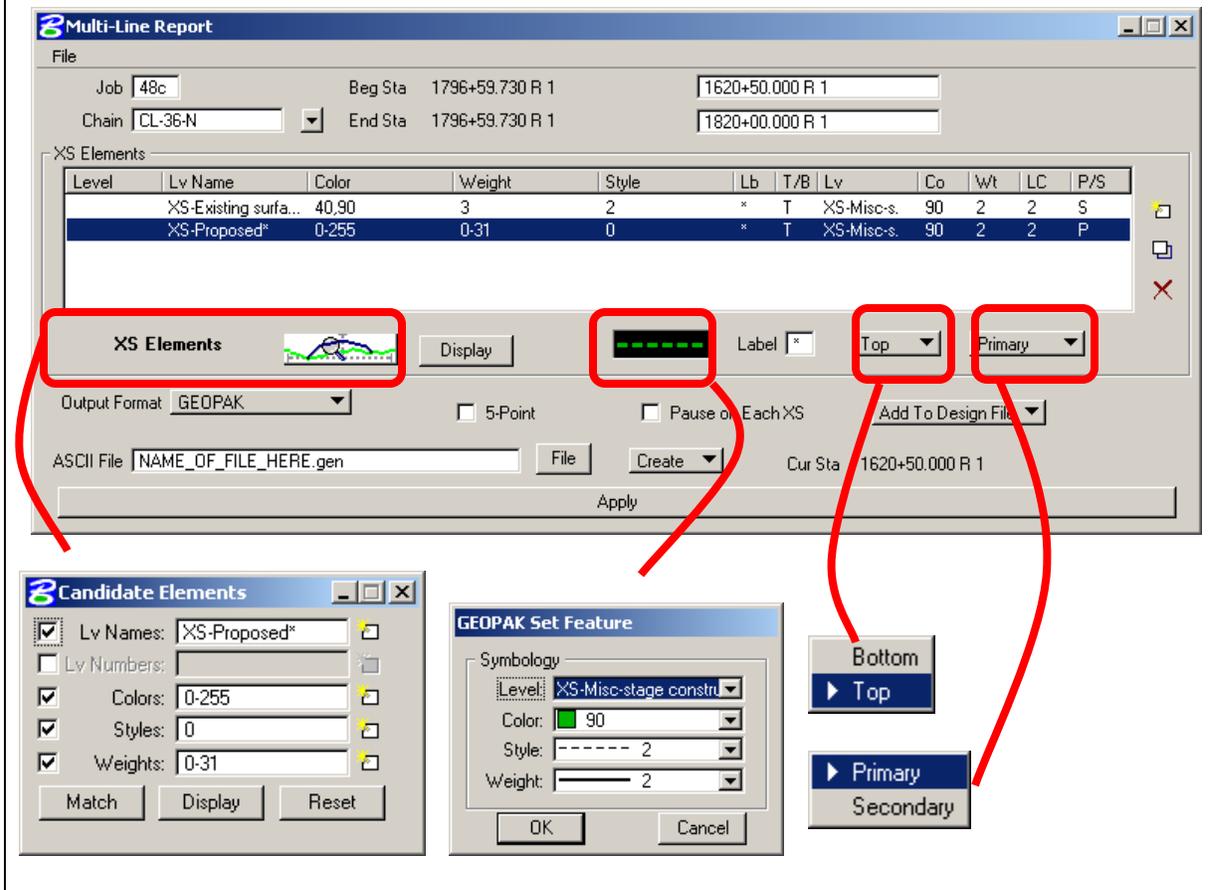
**YOU ONLY NEED ONE REPORT PER CROSS SECTION FILE**

5. Populate the dialog as follow:
  - a. GPK name or number
  - b. Select the chain for which the cross section cells were created
  - c. Type in your station ranges
  - d. Set up 2 XS Element lines, one for the existing ground and one for the proposed template. (Next step explains how to set this up)
  - e. Set up the Output Format



SEE NEXT PAGE FOR MORE INSTRUCTIONS

6. Set up the XS Elements for your existing ground line first and then add the proposed ground line symbology.
  - a. Single click on the XS Elements preview box to select the symbology according to your cross section lines
  - b. Double click on the line preview box to select the symbology you are wanting Geopak to place all “new elements” (basically the combined “as-built” cross section, which includes both the original existing ground and the designed template).
  - c. Select the Top for both layers, this will help Geopak decide which layer to follow always the most top layer when scanning the cross section.
  - d. Select “secondary” for the existing ground line, and “primary” for the proposed template. This allows Geopak to connect the existing ground line to the proposed ground line.



SEE NEXT PAGE FOR MORE INSTRUCTIONS

7. Finally, set up the Output Format.
  - a. Select Output Format to be “GEOPAK”
  - b. The extension for this report is \*.gen
  - c. Select Create if you are creating the report for the first time, or Append if you are appending to an existing report.
  - d. Select “Add to Design File” if you want the “scanned template” to be drawn on your Microstation file. Notice, we set the symbology on to be placed on level “XS-Misc-stage construction”.
  - e. Select Apply. The file will be placed in your working directory.

