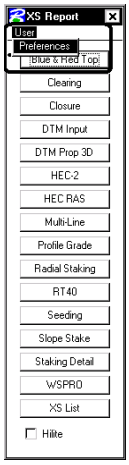
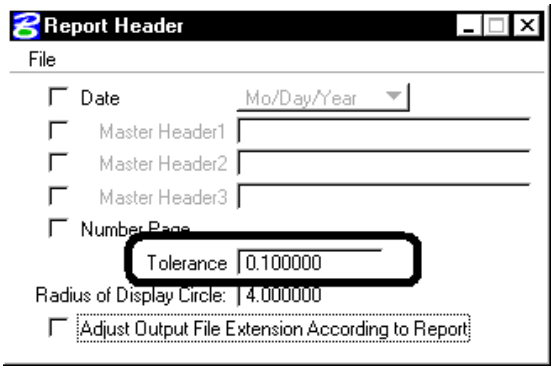
Blue Top Reports

Objectives:	To become familiar with Cross Section Report Generation. Specifically the BlueTop Reports.
Tools: 	 or Applications > GEOPAK > Road > Cross sections >Reports

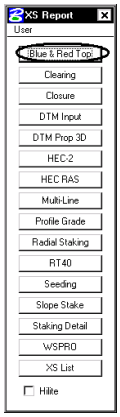
Step 1. Access the cross section graphics file ***_xs*.dgn.**

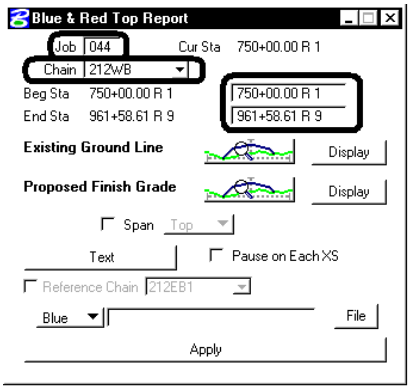
Step 2. Select the Cross Section Reports. Then select **User** > **Preferences.** The tolerances need to be set at 0.1000 and then do a **File > Save**.





Step 3. Select the Blue & Red Top option button. Enter the Job number, Chain, and Station Range.





Step 4. Select the correct level for the existing ground line.

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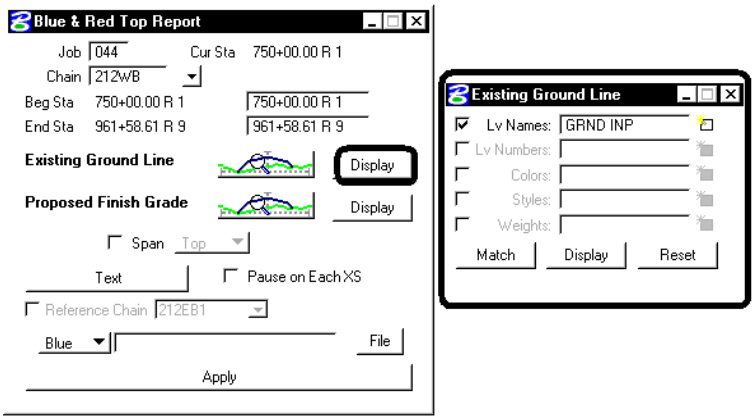
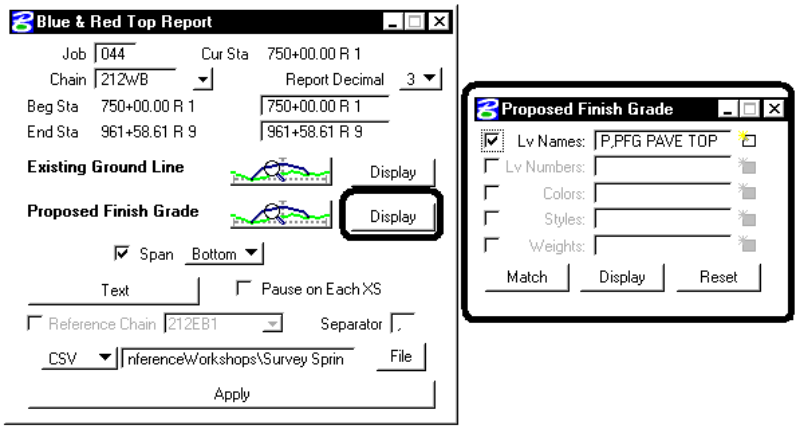
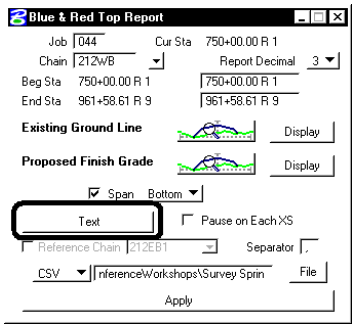


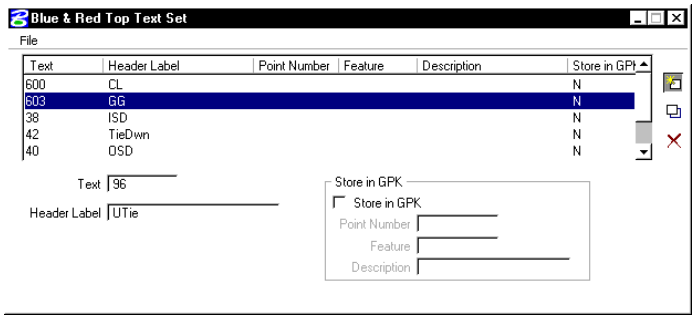
Step 5. Select the correct levels and colors for the proposed finished grade and for the grading grade.

Note: Turn on only the proposed finished level in your Cross section file. Make sure no elements are hanging (include the top surface levels),



Step 6. Set up the Text Set as follows. Select **Text,** then the Blue & Red Top Set dialog box comes up.





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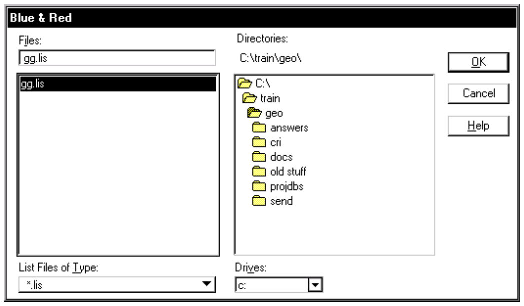
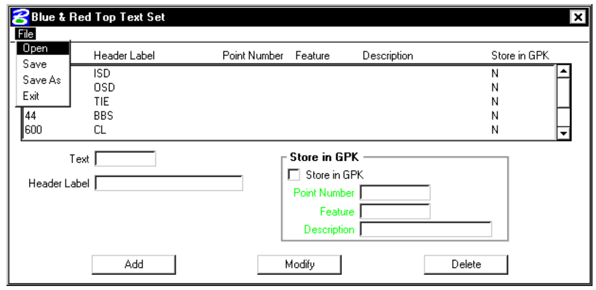
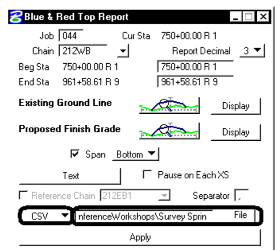
Step 7. Now select **File** > **Open and** choose **gg.lis** and select **OK.** Turn on Lv Name of CNT TXT. You will see the construction text. Place the text number in the **text** box. In the **header label** give it a label to describe the point. Select **file > Save** as and select a name of *.lis.





Step 7. Select the **CSV** format then select **File** and navigate to the location you want to create the file. Output the information to a csv or Blue format type file named ***.csv** or ***.btb.** Select **Apply**.



Note: You can base the report off of a Reference Chain if you don't want to use the chain the Cross-sections were cut off from.

Step 8. When complete, check the output file for errors.

	A	B	C	D	E	F	G	H	I	J
1	75600	1	756+00.00	212WB	608571.6	203702.2	1019.545	-30	TieDwn	0
2	75600	1	756+00.00	212WB	608571.6	203702.2	1019.545	-30	TieDwn	0
3	75600	1	756+00.00	212WB	608571.7	203698.5	1020.409	-26.318	GG	-0.235
4	75600	1	756+00.00	212WB	608571.8	203686.7	1020.645	-14.5	Brk	-0.02
5	75600	1	756+00.00	212WB	608571.9	203672.2	1020.935	0	CL	-0.02
6	75600	1	756+00.00	212WB	608572	203670.7	1020.965	1.5	Brk	0.02
7	75600	1	756+00.00	212WB	608572	203670.7	1020.965	1.5	GG	0
8	75600	1	756+00.00	212WB	608572	203666.7	1021.57	5.5	UTie	0.151
9	75600	1	756+00.00	212WB	608572	203666.7	1021.57	5.5	UTie	0
10	75600	1	756+00.00	212WB	608572	203664.2	1021.541	8	TieDwn	-0.012
11	75600	1	756+00.00	212WB	608572	203664.2	1021.541	8	TieDwn	0
12										
13	75700	1	757+00.00	212WB	608671.6	203701.2	1019.998	-27.967	TieDwn	0
14	75700	1	757+00.00	212WB	608671.7	203699.4	1020.457	-26.13	GG	-0.25
15	75700	1	757+00.00	212WB	608671.8	203687.8	1020.689	-14.5	Brk	-0.02
16	75700	1	757+00.00	212WB	608671.9	203673.3	1020.979	0	CL	-0.02
17	75700	1	757+00.00	212WB	608672	203671.8	1021.009	1.5	Brk	0.02
18	75700	1	757+00.00	212WB	608672	203664.4	1020.863	8.819	GG	-0.02
19	75700	1	757+00.00	212WB	608672.1	203660.3	1019.916	13	TieDwn	-0.226
20										

CSV format output

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                                                                        Page# 1
                                        BLUE TOPS REPORT(Ft)

STATION           TIE            TIE            GG             BRK            CL             BRK
----------------- -------------- -------------- -------------- -------------- -------------- --------------
756+00.00R1[212WB] 1019.54       1019.54        1020.41        1020.64        1020.93        1020.96
                  -30.00         -30.00         -26.32         -14.50         0.00           1.50
                          0.000         -0.235         -0.020         -0.020          0.020          0.000

                  GG             TIE            TIE
                  -------------- -------------- --------------
                  1020.96        1021.54        1021.54
                  1.50           8.00           8.00
                          0.089          0.000

STATION           TIE            GG             BRK            CL             BRK            GG
----------------- -------------- -------------- -------------- -------------- -------------- --------------
757+00.00R1[212WB] 1020.00       1020.46        1020.69        1020.98        1021.01        1020.86
                  -27.97         -26.13         -14.50         0.00           1.50           8.82
                         -0.250         -0.020         -0.020          0.020         -0.020         -0.226

                  TIE
                  --------------
                  1019.92
                  13.00
```

BTB format output