

Workflow 2: Access Cross Section Reports

1. While in the cross section file, open the Project Manager Workflow Dialog Box.

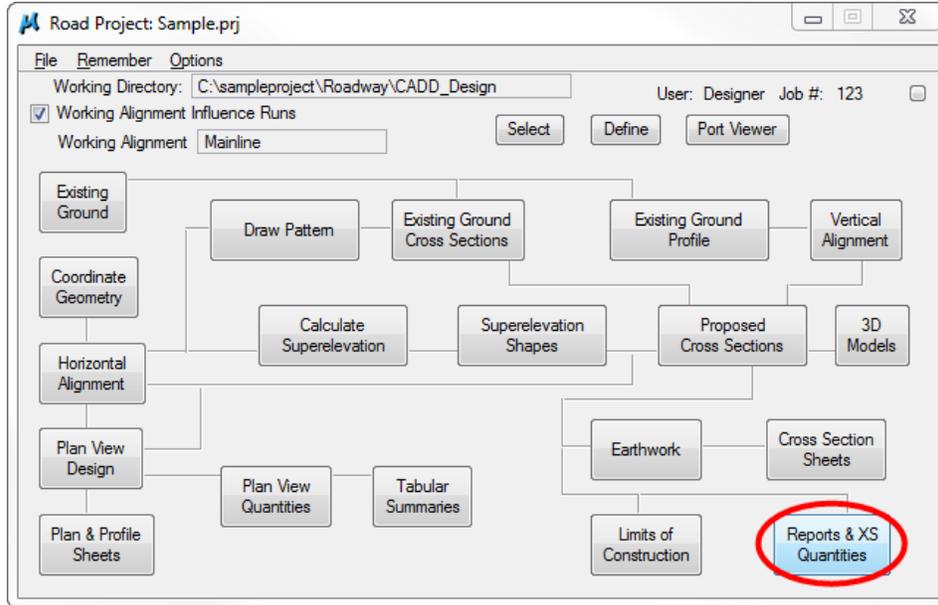


Figure 11.2-1: Accessing Reports from Project Manager Workflow Dialog

Or by selecting the Cross Section Reports icon from the Road Tools Dialog Box.

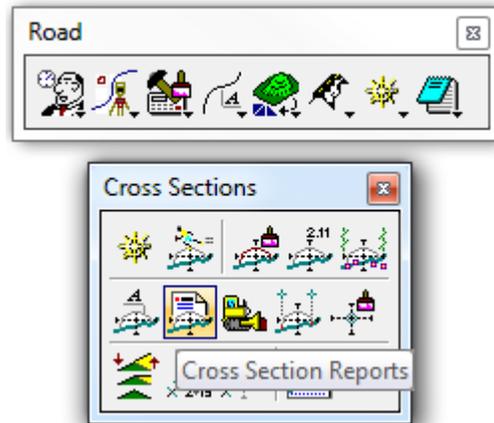


Figure 11.2-2: Reports Dialog Box

Alternatively, reports may be accessed outside of Project Manager Workflow Dialog Box by selecting **Applications>GEOPAK>ROAD>Cross Sections>Reports**.

2. Select **User>Preferences**.

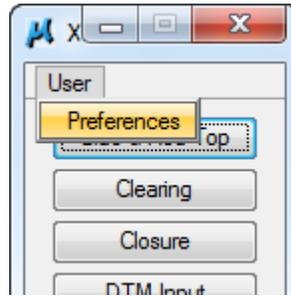


Figure 11.2-3: Reports Dialog Box

3. Populate the Report headers. Include the Project Number in the Master Header 1 space, and the Road Name in the Master Header 2 space. This information will be put at the top of the report. Close the dialog box.

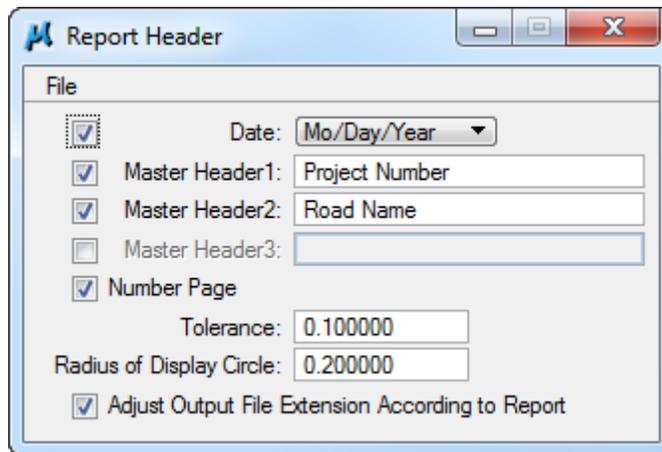


Figure 11.2-4: Report Settings

4. Select the **Staking Detail** button in the XS Report dialog box.

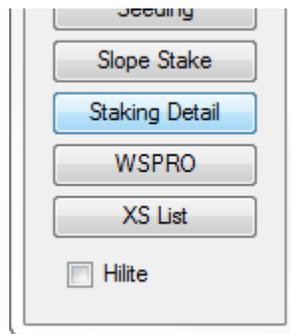


Figure 11.2-5: Staking Detail Button

- Adjust the Beg Station and End Station to ensure that they are the stations you want.

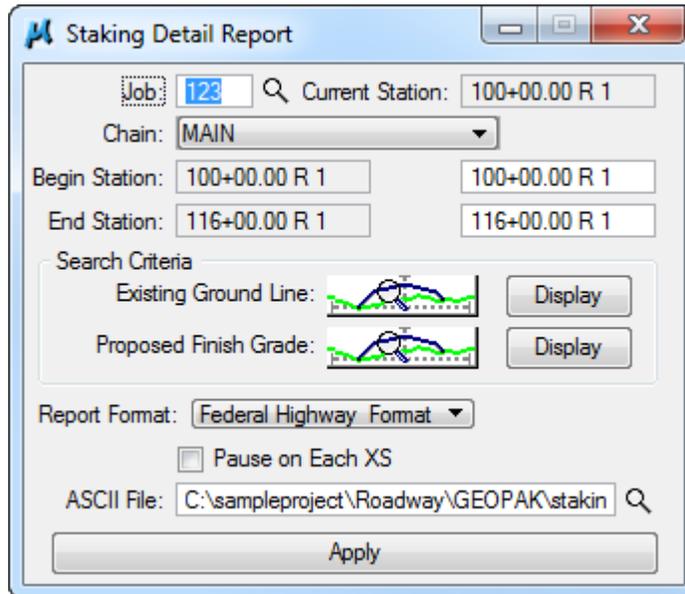


Figure 11.2-6: Staking Detail Report Dialog

- Select the Existing Ground Line symbology button and set as shown below.

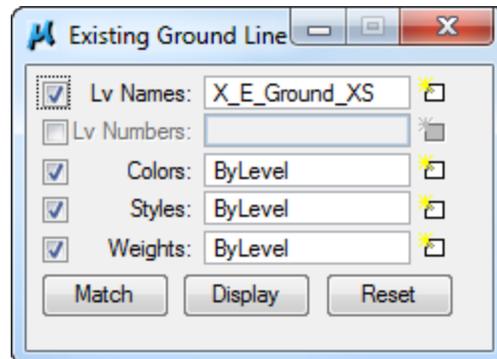


Figure 11.2-7: Existing Ground Symbology



GEOPAK progresses from left to right across each cross section while preparing each report.

7. Select the Proposed Finish Grade symbology button and select the bottom of the pavement layer, cut slope and fill slope.

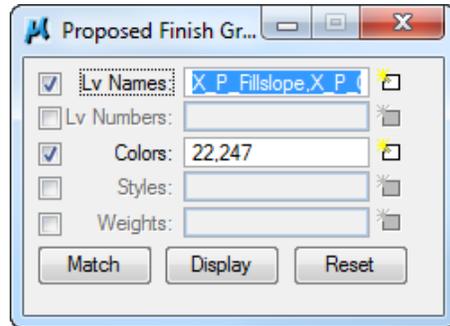


Figure 11.2-8: Proposed Finish Grade Symbology



If the working alignment definitions are setup in the project manager for existing ground and proposed finish grade, the symbology values will be shown when the symbology button is selected.

The values shown in the Existing Ground Line and Proposed Finish Grade sections will allow GEOPAK to progress through the top of subgrade. This is the path needed to get the correct report.



The values shown in the Proposed Finish Grade are only for a standard ditch or fill section. There will need to be additional symbology added to the Proposed Finish Grade section if retaining walls and other elements are added to the cross sections.

8. Type in the output filename for the Staking Detail Report, and select Apply.

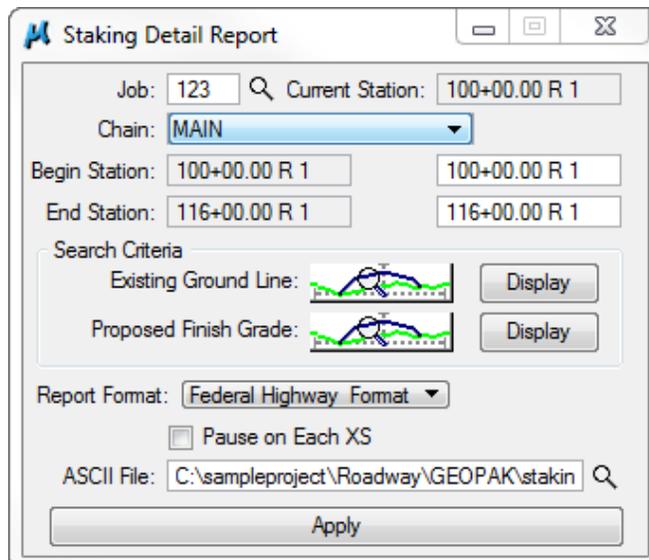


Figure 11.2-9: Staking Detail Report Dialog



9. The following report will be created:

09/01/2015		Project Number										Page# 1	
		Road Name											
		STAKING DETAIL REPORT (Ft)											
STATION	Slope	Left C/F	Stake DIST	ELEV	SUPER	ADJ.	SUPER	Right ELEV.	Stake DIST	C/F	Slope		
100+00.00 R 1DL	-4.00:1.	C 1.50	21.26	5130.74	-0.020	5132.55	-0.020	5132.14	17.45	C 0.11DL	-20.00:1.		
100+50.00 R 1DL	-4.00:1.	C 1.50	21.26	5130.12	-0.020	5131.92	-0.020	5130.70	33.57	C 0.92DL	-20.00:1.		
101+00.00 R 1DL	-4.00:1.	C 1.50	21.26	5129.49	-0.020	5131.29	-0.020	5130.54	24.10	C 0.44DL	-20.00:1.		
101+50.00 R 1DL	-6.00:1.	C 0.67	16.00	5129.75	-0.020	5130.66	-0.020	5130.06	21.16	C 0.29DL	-20.00:1.		
102+00.00 R 1	1.50:1.	C 20.03	48.04	5150.61	-0.020	5130.03	-0.020	5129.12	27.42	C 0.61DL	-20.00:1.		
103+50.00 R 1	1.50:1.	C 48.52	90.78	5177.43	0.004	5128.07	-0.020	5126.84	33.67	C 0.92DL	-20.00:1.		
104+00.00 R 1DL	-6.00:1.	C 0.67	16.00	5126.98	0.033	5127.26	-0.033	5126.18	27.40	C 0.52DL	-20.05:1.		
114+00.00 R 1	-6.00:1.	F 1.54	24.49	5094.91	-0.020	5096.75	-0.020	5096.08	22.68	C 0.37DL	-20.00:1.		
114+50.00 R 1	-3.00:1.	F 4.19	27.82	5090.57	-0.020	5095.07	-0.020	5108.07	35.15	C 2.53	0.17:1.		
115+00.00 R 1	-4.00:1.	F 3.48	29.17	5089.60	-0.020	5093.38	-0.020	5108.15	35.44	C 3.89	0.17:1.		
115+50.00 R 1	-4.00:1.	F 3.84	30.62	5087.55	-0.020	5091.69	-0.020	5102.62	34.80	C 1.65	0.17:1.		
116+00.00 R 1DL	-19.99:1.	C 0.05	16.17	5089.66	-0.020	5090.01	0.307	5088.20	21.26	C 15.41DL	-1.50:1.		

Figure 11.2-10: Staking Detail Report Output



The reports should be printed using Ultra Edit. Follow Workflow 11.4 for formatting information.