

## Practice Exercise 6



# Create References to Data Shortcuts and Perform a Slope Analysis

This exercise provides you with practice for creating references to data shortcuts and performing a slope analysis. You'll use the concepts you learned in Lesson 6: Plan Production and Data Management.

### Instructions:

1. Open the file **Practice Exercise 006.dwg**. (Note: If the **Ex Data 006** folder does not load properly, browse to the EX6 folder in the Practice Exercise 006 folder and move the folder and its contents to the C: Drive.)
2. Set the working folder for data shortcuts to the Ex6 folder.
3. Create a reference for:  
TEST SURFACE  
TEST ROAD  
TEST PROFILE  
TEST SURFACE PROFILE
4. Draw the profile references in a Profile View.
5. Perform a Slope analysis on TEST SURFACE with 4 ranges:  
Range 1: 0% - 2%  
Range 3: 2% - 5%  
Range 3: 5% - 10%  
Range 4: 10% - 25%

**Once you have completed these steps, please answer the following questions (Precision 0.01):**

- What is the Overall High Point elevation of TEST PROFILE?
- What is the Overall Low Point elevation of TEST PROFILE?
- What is the Elevation of TEST PROFILE at Station 7+00.00?
- What is the area of range 2 of the slope analysis?