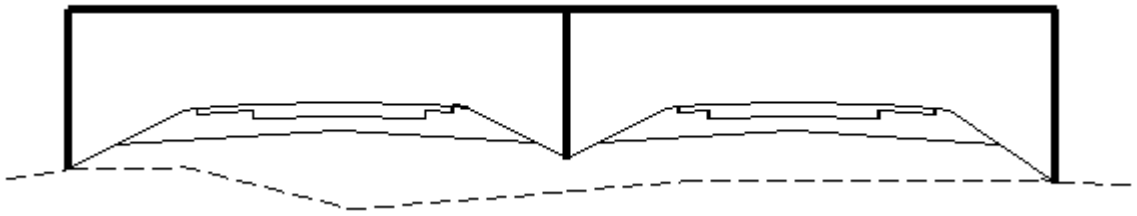
Proposed Ditch Profiles

Extracting Proposed Ditch Profiles

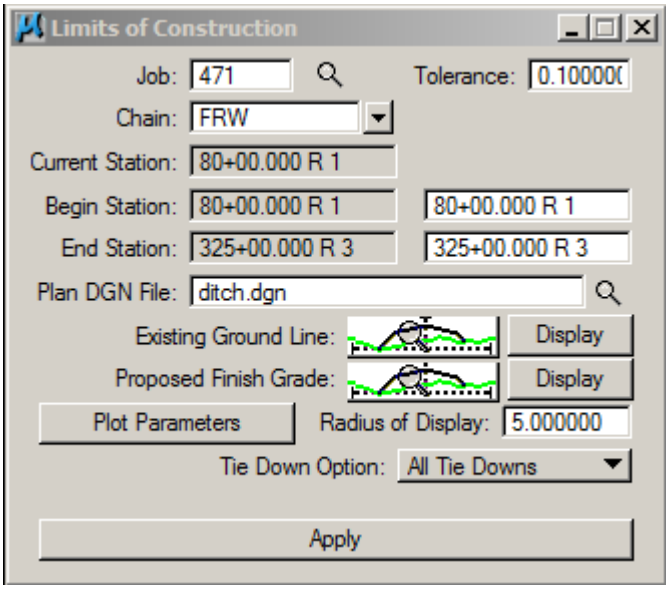


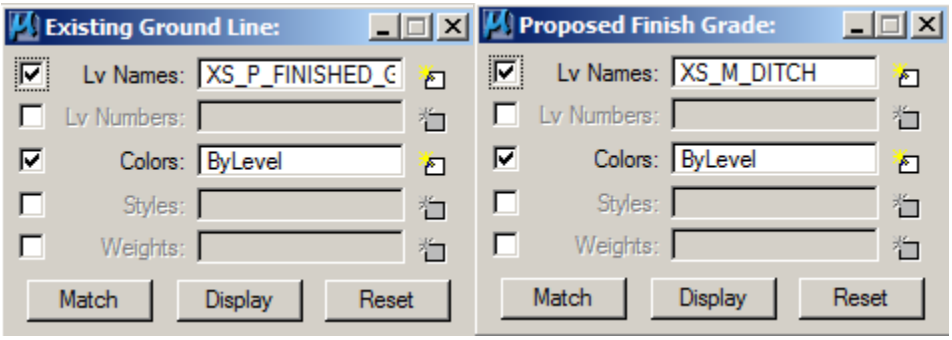
1. Ensure the lines which connect ditches are present after running the templates.

2. To get the plan view location and elevation of proposed ditches, follow these steps:

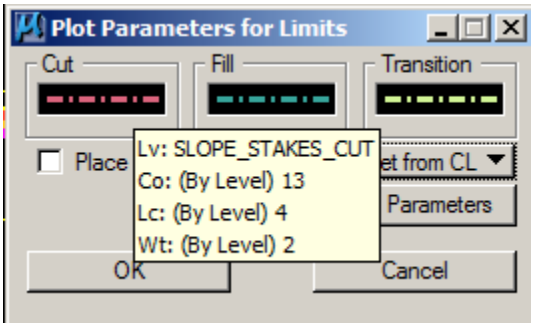
    a. Enter your working x-section file.

    b. Invoke Geopak's LIMIT OF CONSTRUCTION dialog application shown below.





c. Tag on PARAMETERS and Invoke the dialog application show below:



Fill in the following information:

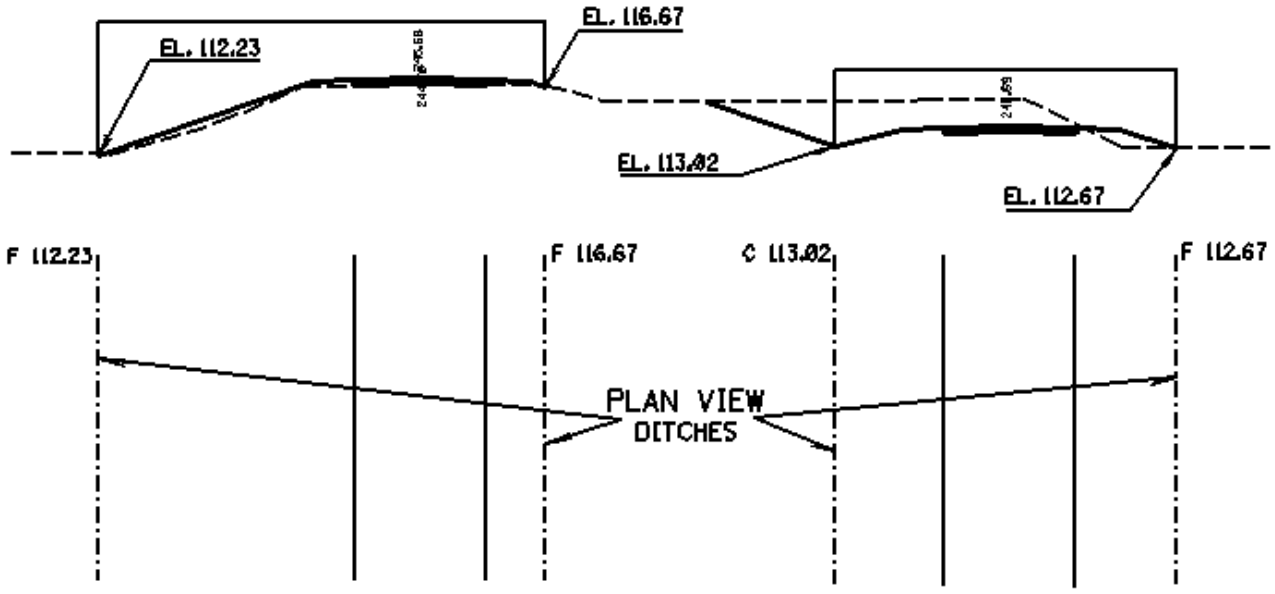
CUT SYMBOLOGY - LV = 45(SLOPE_STAKES_CUT), CO = 13, WT = 2, LC = 4

FILL SYMBOLOGY - LV = 45(SLOPE_STAKES_FILL), CO = 12, WT = 2, LC = 4

TRANSITION SYMBOLOGY - LV = 45(SLOPE_STAKES_TRANSITION), CO = 11, WT = 2, LC = 4

d. TAG OK, THEN APPLY on the Limits of Construction Dialog.

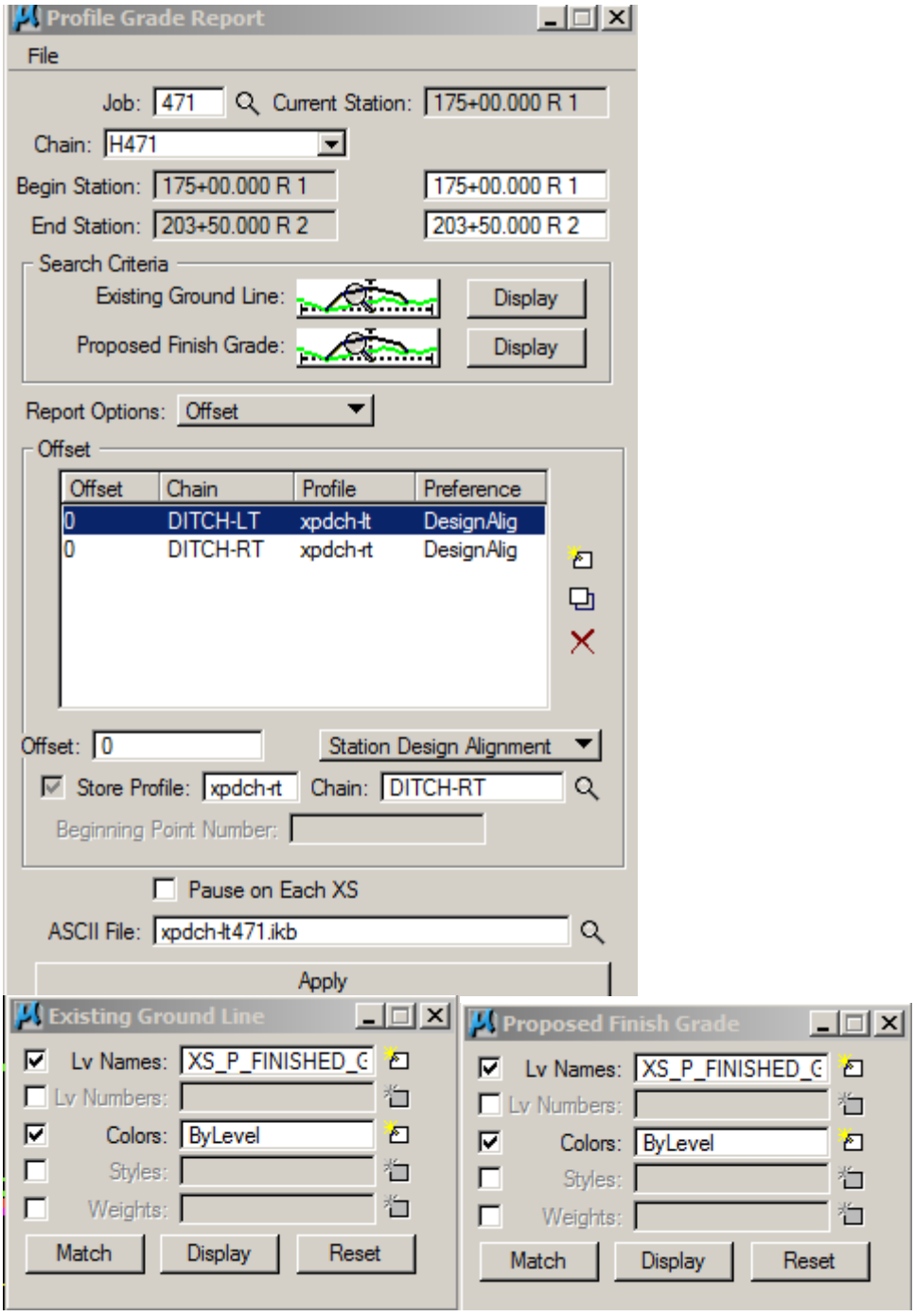
The Diagram below shows the lines that are drawn on the proposed sections. They help determine the Plan View location of Ditches in cut and the Toe of Slope in a Fill.



3. Enter the design file where the lines representing Plan View Drainage was placed in the previous steps.

4. Store the Left & Right Ditches as chains with Store Graphics (Make sure you don't overwrite existing points in COGO).

5. Invoke GeoPak's Profile Grade Report and set as follows to generate profiles:


Profile Grade Report
File
Job: 471
Current Station: 175+00.000 R 1
Chain: H471
Begin Station: 175+00.000 R 1
175+00.000 R 1
End Station: 203+50.000 R 2
203+50.000 R 2
Search Criteria
Existing Ground Line:
Display
Proposed Finish Grade:
Display
Report Options: Offset
Offset
Offset Chain Profile Preference
0 DITCH-LT xpdch-lt DesignAlig
0 DITCH-RT xpdch-rt DesignAlig
Offset: 0
Station Design Alignment
Store Profile: xpdch-rt
Chain: DITCH-RT
Beginning Point Number:
Pause on Each XS
ASCII File: xpdch-lt471.ikb
Apply
Existing Ground Line
Lv Names: XS_P_FINISHED_G
Lv Numbers:
Colors: ByLevel
Styles:
Weights:
Match
Display
Reset
Proposed Finish Grade
Lv Names: XS_P_FINISHED_G
Lv Numbers:
Colors: ByLevel
Styles:
Weights:
Match
Display
Reset