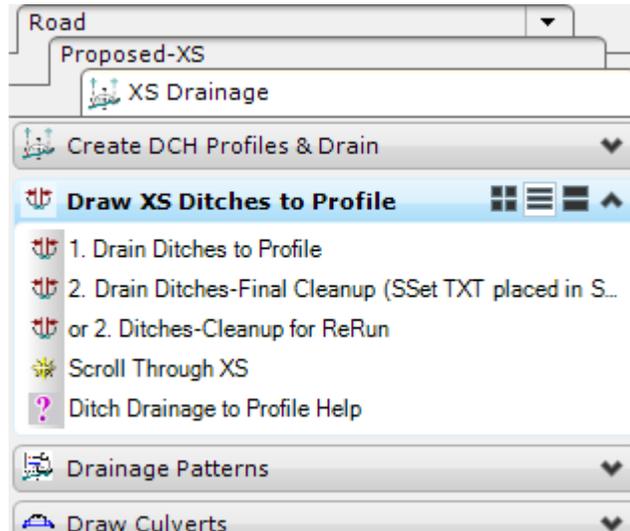


Draw XS Ditches to Profiles (7-1-2012)



OVERVIEW

This is a 2 step process.

Prior to running Step 1 & 2: Ditch profiles that drain to their intended outlets need to be created prior to running and can be created using the tools in the “Create DCH Profiles & Drain” category above.

Notes:

1. You can have multiple profiles of different station ranges for each ditch (i.e. PPDCHL1, PPDCHL2, etc.)
2. The intent of this program is to run for each roadway shown on the x-sections about each design baseline. Single Median Ditches are not supported.

Step 1. Drain Ditches to Profile - Creates an input file which is then ran to basically draw new outside (no median at this time) ditches to a GeoPak stored Ditch Profile.

User can run for LT, RT, or BOTH sides of one given Roadway at a time. You have to have GPK and know XS Chain Name, Design Chain Name, existing or proposed profile of XS alignment, and ditch profiles you created. You also have to have XS & Pattern DGN files.

Prompts:

- a) Job Number
- b) XS Chain Name
- c) Design Chain Name

- d) Existing or Proposed Profile for Alignment.
- e) Process LT, RT, or Both sides of Roadway.
- f) Ditch Profile Names (Profiles must be stored in GPK)

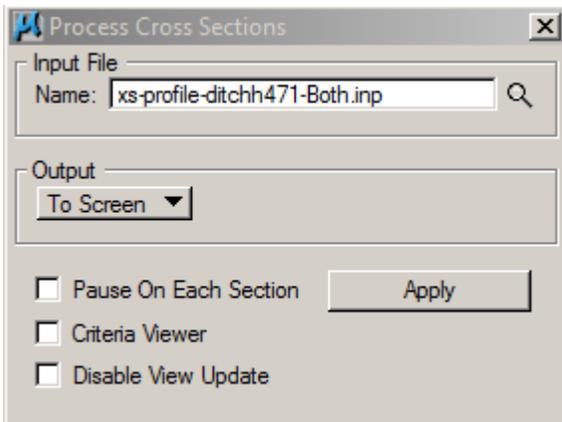
Note: You can have multiple profiles or one profile.

PPDCH-L or PPDCH-L1,PPDCH-L2,PPDCH-L3, etc.

Also, An easy way to create the initial profile is to go through the Ditch Patterns steps and create profiles of ditches based on the initial run of proposed x-sections.

- g) Ditch Foreslope & Backslope
- h) Include Fill Ditches – Yes will basically add a ditch in fill sections.

After Step 1 is complete, an input file is created. To draw the new ditches, use the dialog below to choose the input file and tag Apply to draw the new x-sections.

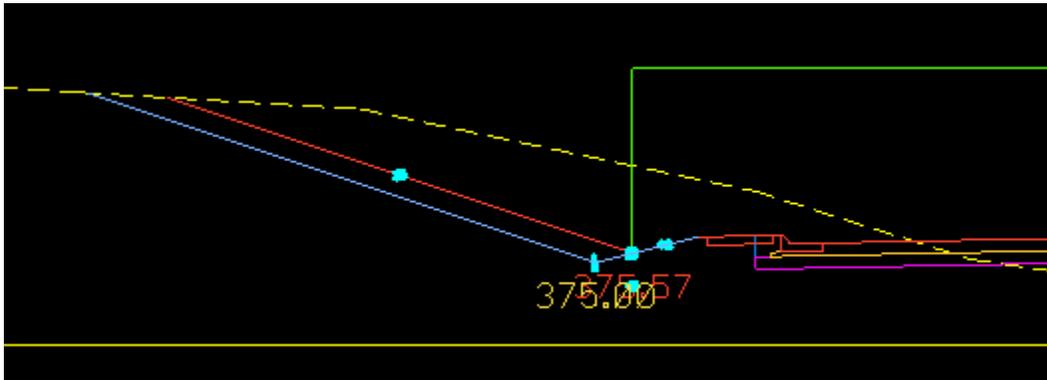


The new ditch will be drawn on the x-section (See blue line below) along with the ditch elevation and some smaller text will be drawn on the old slopes, ditch points, and old ditch elevation. The next step gets rid of the old ditch and corrects symbology on the new ditch.



Step 2

- a) Element Select the Small text placed in the previous command.



- b) Run Step 2 – Drain Ditches (Cleanup).

