

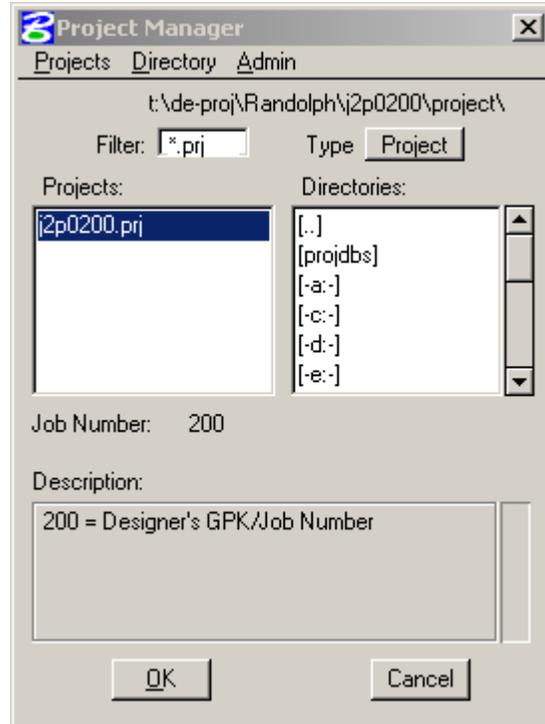
GeoPak Alignments and Profiles to SMI

1) Open T:\de-proj\Randolph\J2P0200\Data\route63_xs_j2p0200.dgn

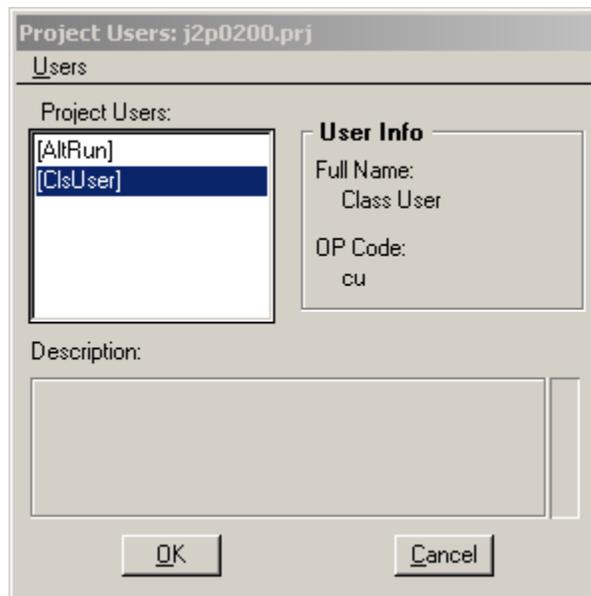
2) Select the Project Manager and navigate to the following folder:

T:\de-proj\Camden\J5P0590\project folder

Make sure the job number is set to the Designer's GPK/Job number of **200**



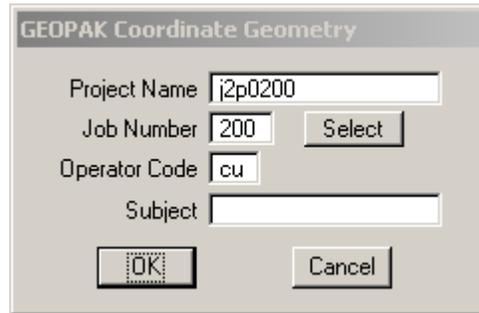
3) Select "ClsUser" as the Project User.



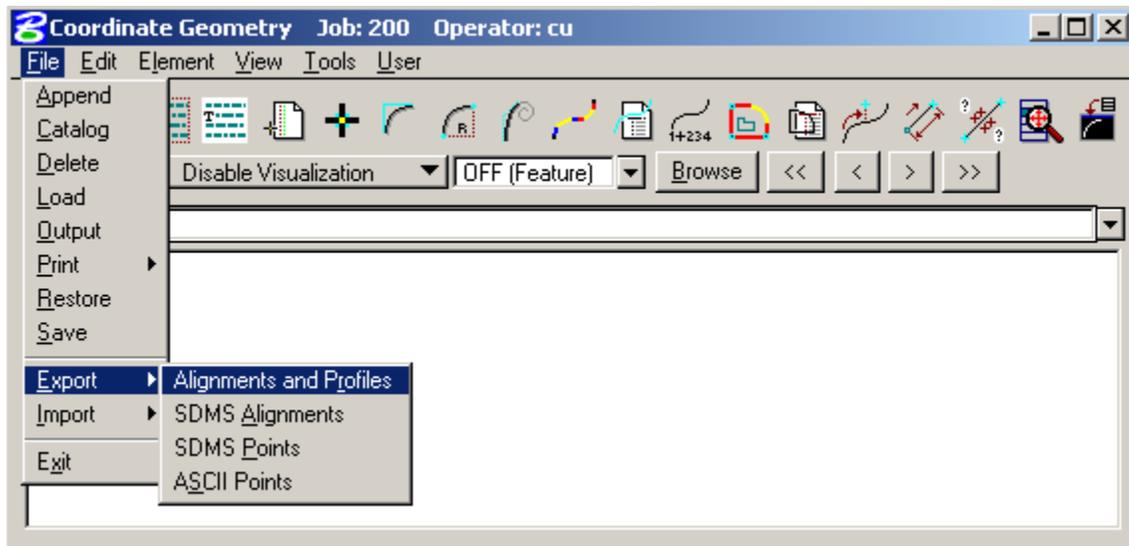
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4) Next we need to create a chain file (CH file) that contains the alignment information for Route 63. To do this we need to open Coordinate Geometry. To open up Coordinate Geometry select the following:

Applications > GeoPak Survey > Geometry > Coordinate Geometry

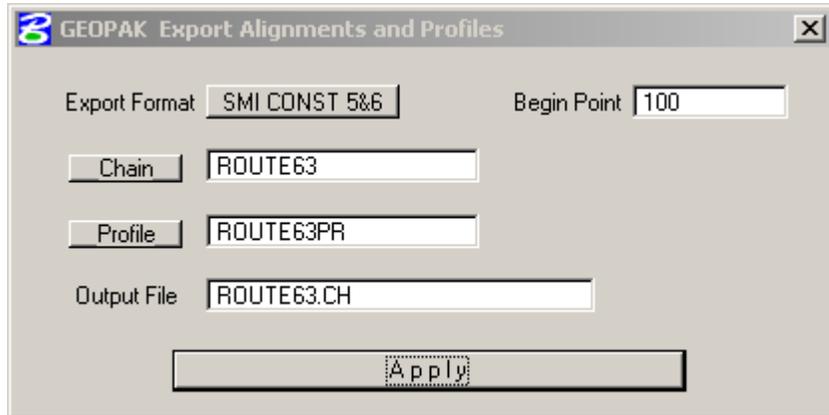


5) Once in Coordinate Geometry select **File > Export > Alignments and Profiles**



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6) In the Export Dialog set the following fields: Begin Point, Export Format, Chain, Profile, and the name of the Output file.



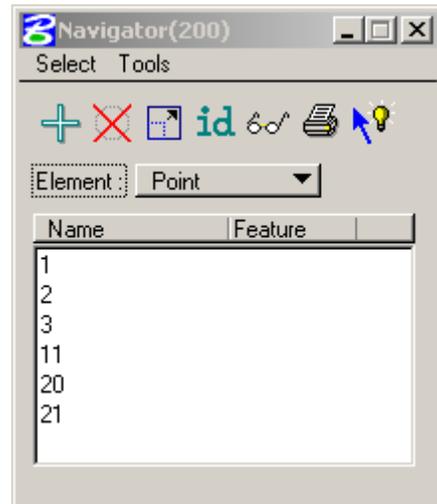
Begin Point = A point that has not been used and is available in COGO. Open Navigator to see what points have not been used.

Export Format = SMI CONST 5&6 will work with the current SMI version (Version 8).

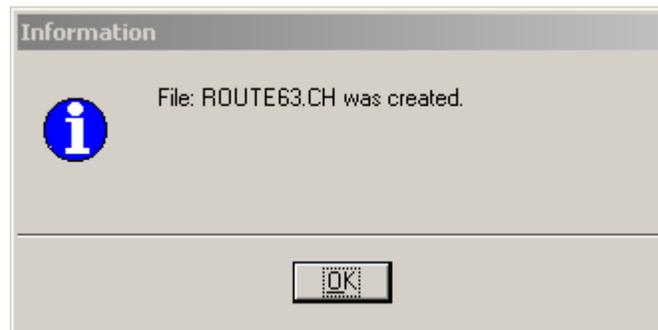
Chain = The Baseline of the Cross Sections that you're wanting to create a template for.

Profile = Proposed profile that is associated to the Chain/Profile. (**Optional**)

Output Format = Name of the chain file that you want to create. This will be the file that will be imported into your calculator.

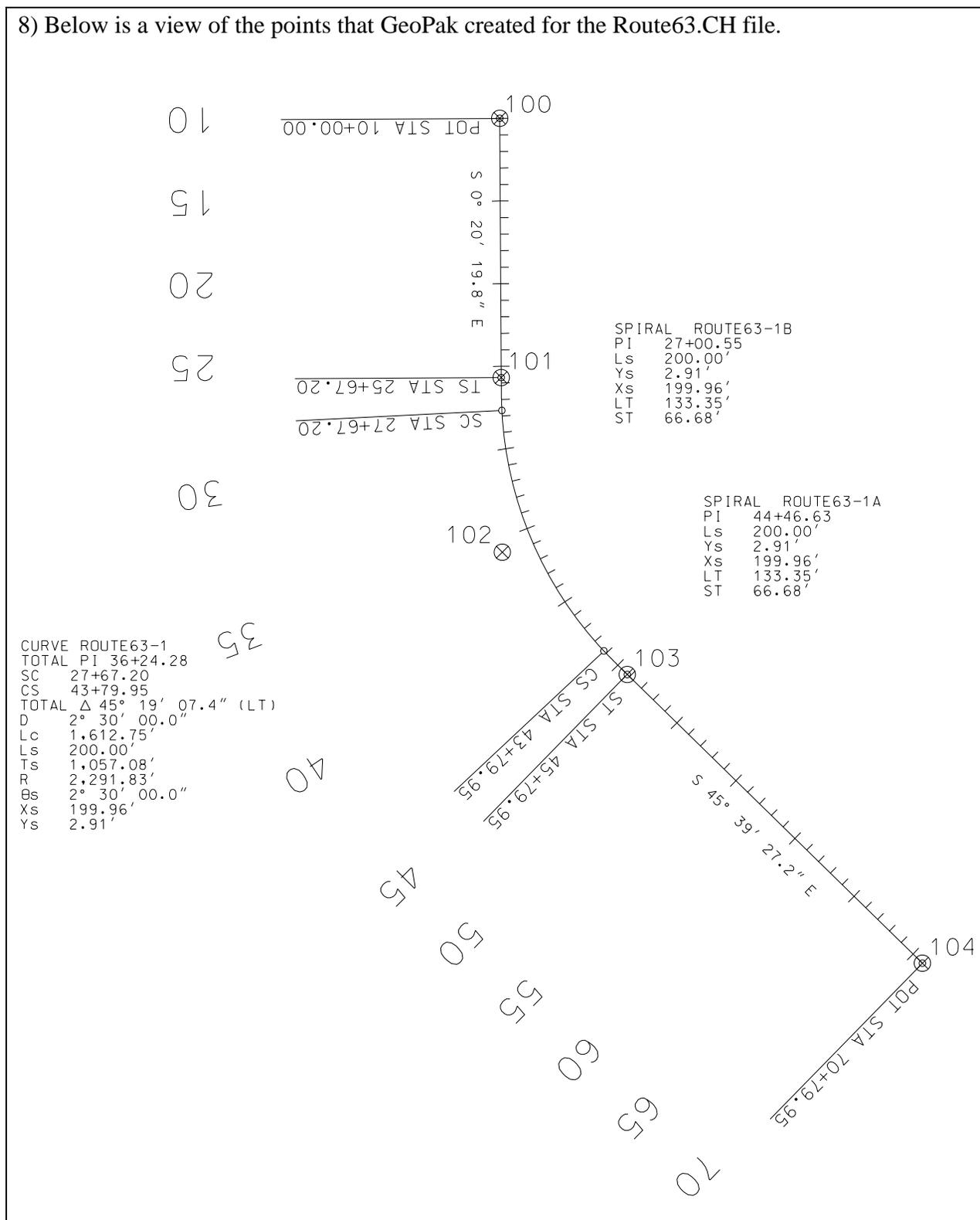


7) When the “Apply” button is selected GeoPak will show you the following Dialog:



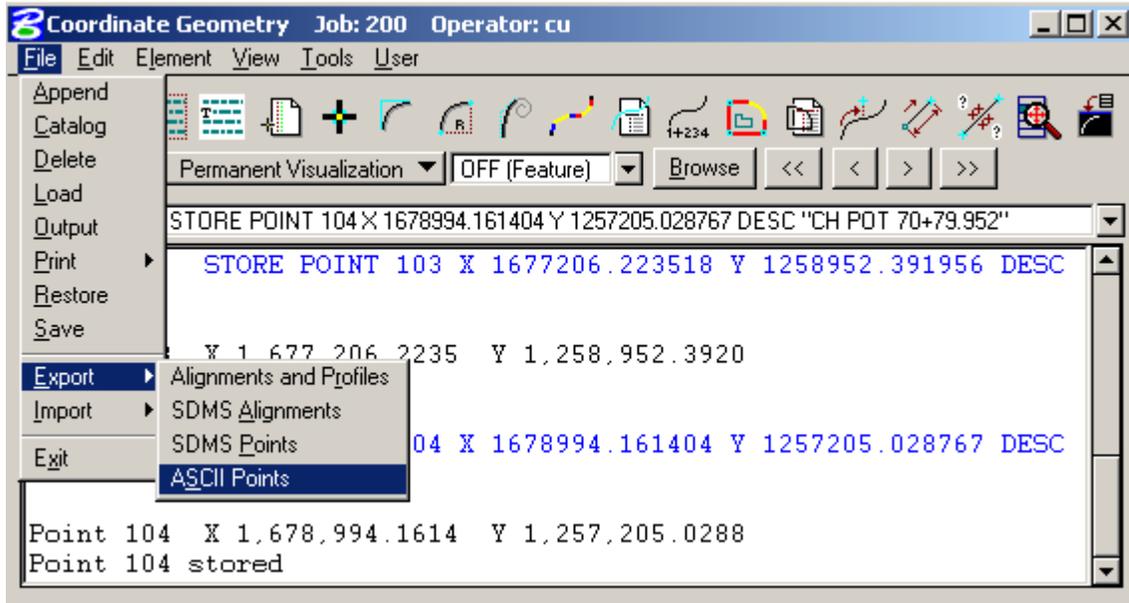
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8) Below is a view of the points that GeoPak created for the Route63.CH file.

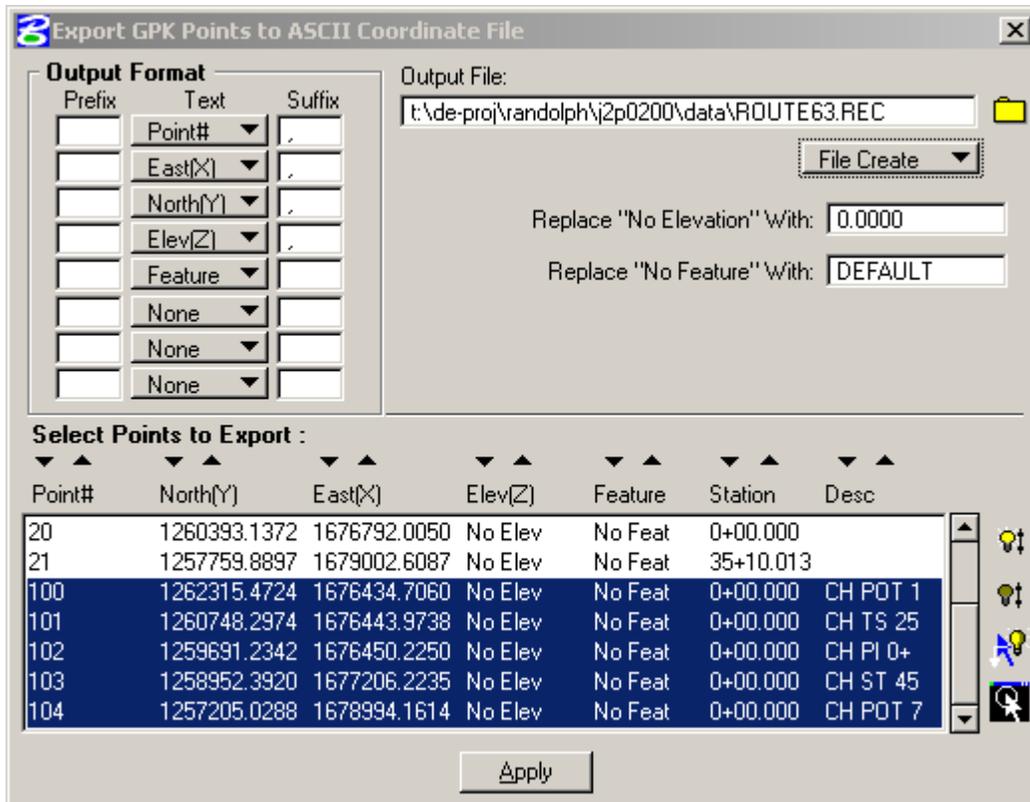


GeoPak Alignments and Profiles to SMI

10) Next we need to export the control points for this Chain.

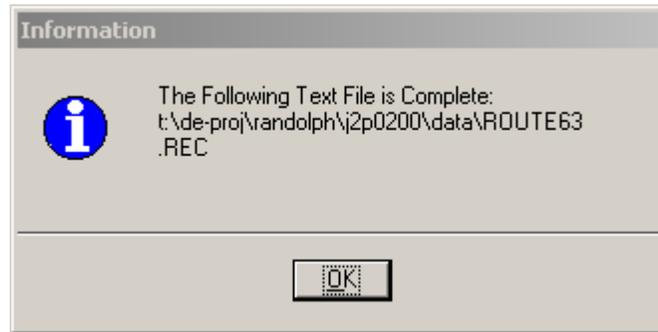


11) Fill out the “Export GPK Point to ASCII Coordinate File” Dialog as follows:

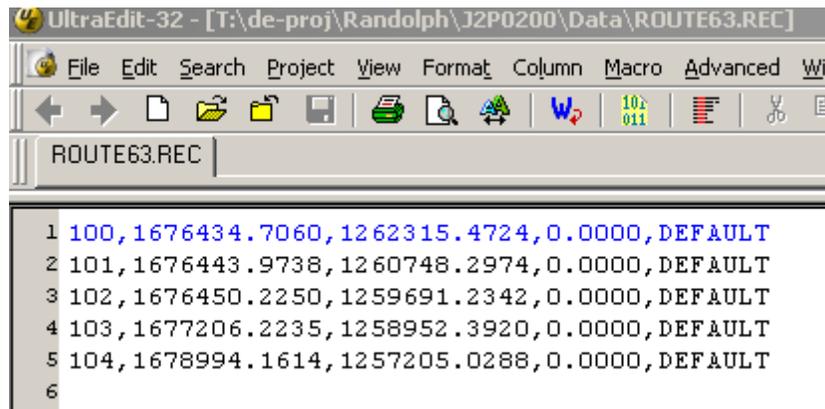


GeoPak Alignments and Profiles to SMI

12) When you hit **Apply** you'll get the following dialog:



13) Below is what the Rout63.REC file looks like in text editor.



The image is a screenshot of the UltraEdit-32 text editor. The title bar at the top reads "UltraEdit-32 - [T:\de-proj\Randolph\J2P0200\Data\ROUTE63.REC]". Below the title bar is a menu bar with options: File, Edit, Search, Project, View, Format, Column, Macro, Advanced, and Win. Underneath the menu bar is a toolbar with various icons for file operations and editing. The main text area shows the file name "ROUTE63.REC" in the top left corner. The content of the file is as follows:

```
1 100,1676434.7060,1262315.4724,0.0000,DEFAULT
2 101,1676443.9738,1260748.2974,0.0000,DEFAULT
3 102,1676450.2250,1259691.2342,0.0000,DEFAULT
4 103,1677206.2235,1258952.3920,0.0000,DEFAULT
5 104,1678994.1614,1257205.0288,0.0000,DEFAULT
6
```