

AUTODESK® CIVIL 3D

Dynamic 3D Computer-aided Design with Autodesk Civil 3D

Training Course for:
Autodesk® Civil 3D™ 2007



Lecture 2 – Supplementary Notes Create Points by Alignment

July 2006

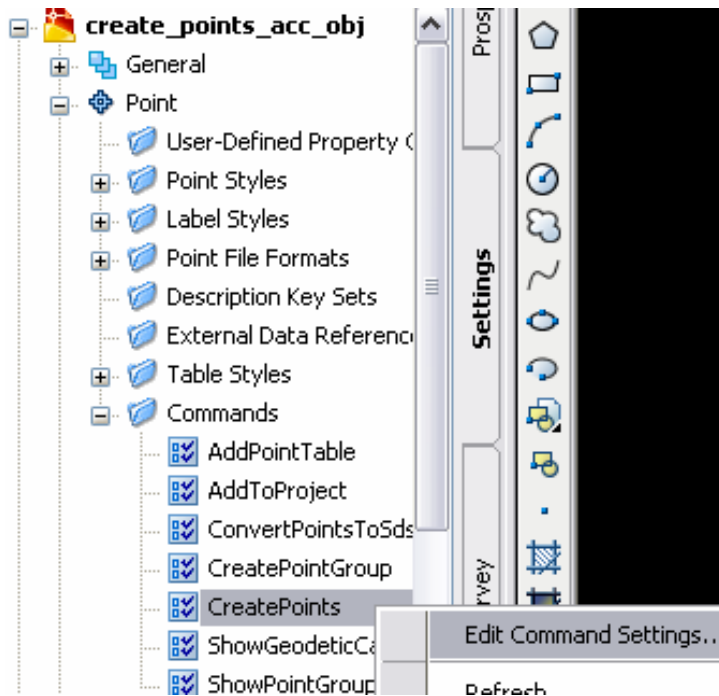
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Objective

This document describes the steps to create Points by Alignment in Civil 3D.

Exercise

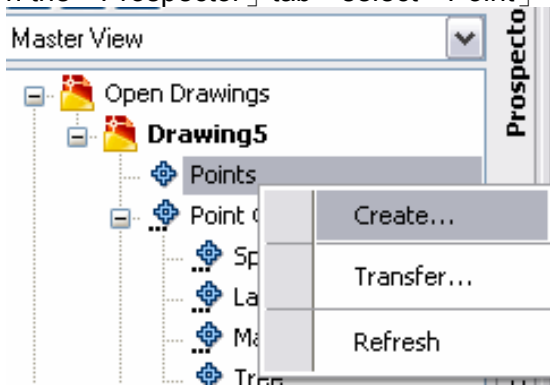
1. First, open the 「create_points_acc_obj.dwg」 drawing.
2. On the 「Setting」 tab → 「Point」 → 「Commands」 → 「CreatePoints」 → right click 「Edit Command Setting」.



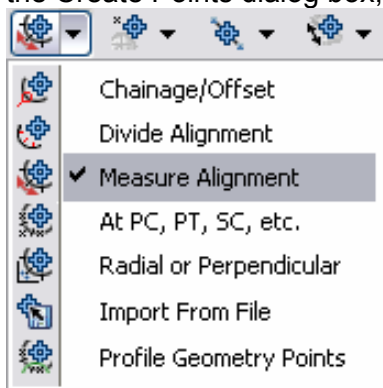
3. In the Edit Command Setting dialog box :-
 - Expand 「Point Creation」,
 - Prompt For Levels set [None]
 - Prompt For Point Names & Descriptions set [Automatic]
 - Default Descriptions set [ALG]
 - Click [OK]

General	
Labeling	
Default Layer	
Points Creation	
Local Coordinates	Easting - Northing
Grid Coordinates	Grid Easting - Grid Nor...
Geographic Coordinates	Latitude - Longitude
Prompt For Levels	None
Prompt For Point Names	Automatic
Prompt For Descriptions	Automatic
Default Level	0.000m
Default Description	ALG
Match On Description Parameters (\$1, \$...	true
Disable Description Keys	false

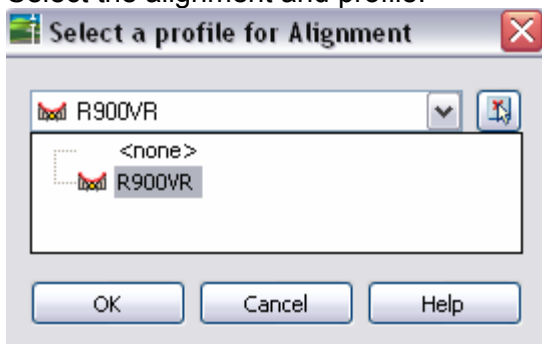
4. On the 「Prospector」 tab→select 「Point」 →right click 「Create」 .



5. On the Create Points dialog box, select 「Measure Alignment」 .



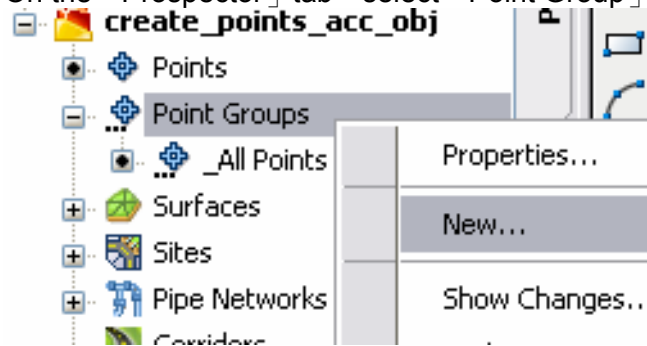
6. Select the alignment and profile.



7. Enter start and end chainage, offset and interval.

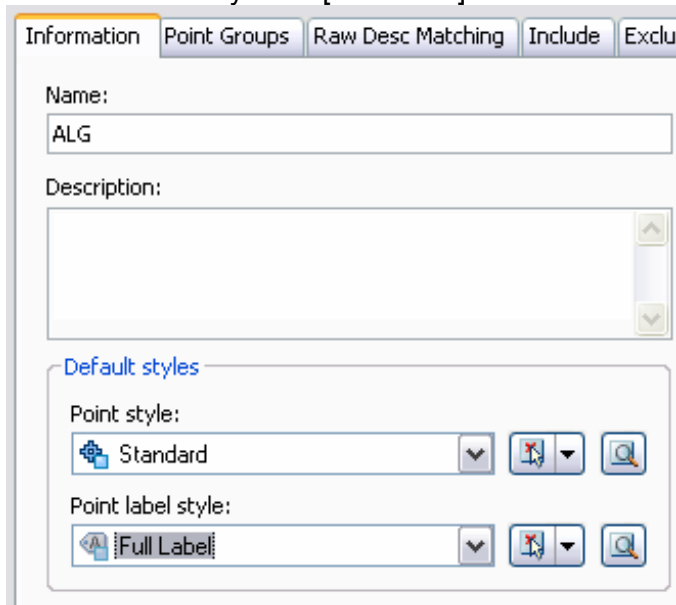


8. On the 「Prospector」 tab→select 「Point Group」 →right click 「New」 .



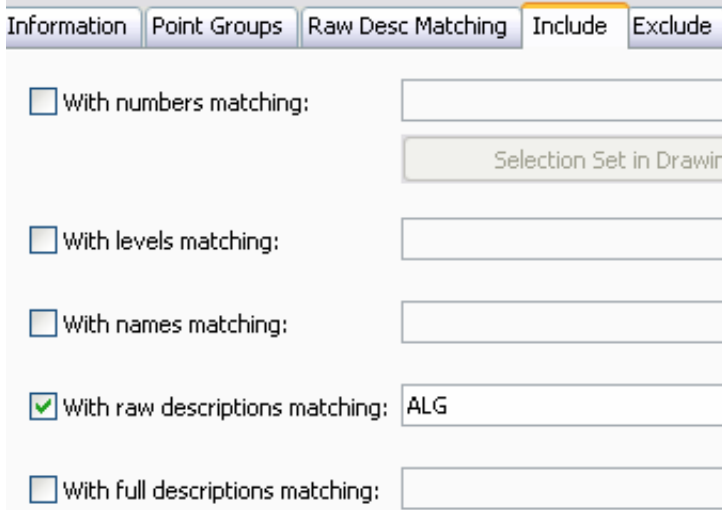
9. In the Point Group Properties dialog box :-

- Select information
- Enter the Name
- Point Style set [Standard]
- Point Label Style set [Full Label]

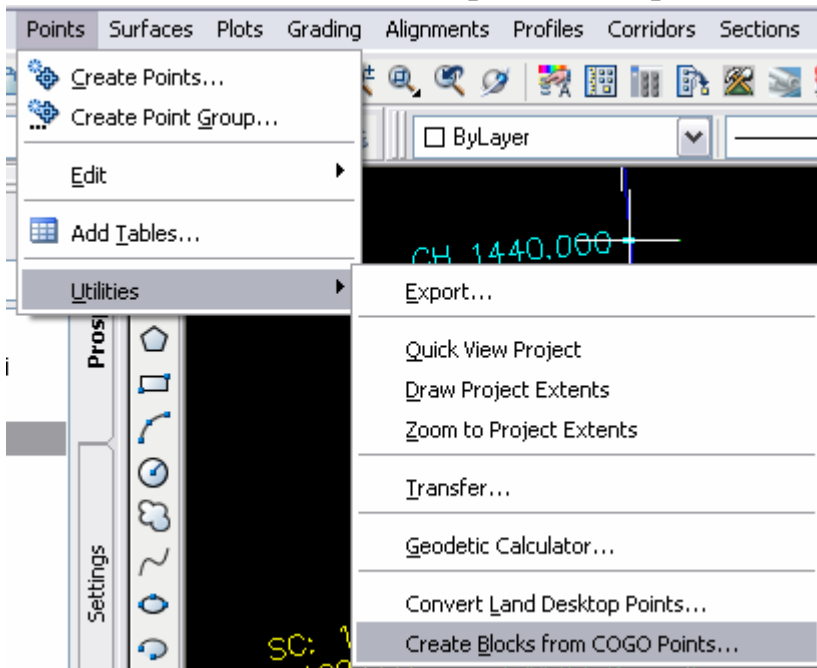



10. Select include, click on 「 With raw descriptions matching 」

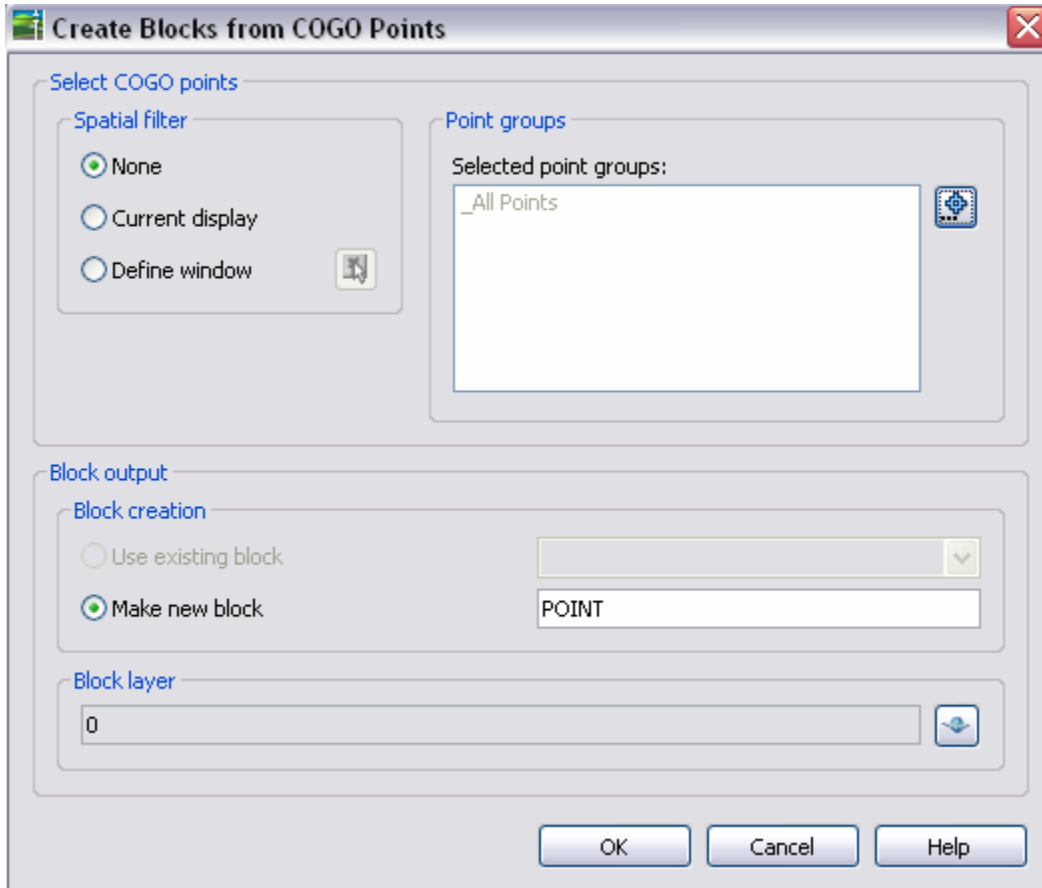
11. Enter ALG, click [OK]



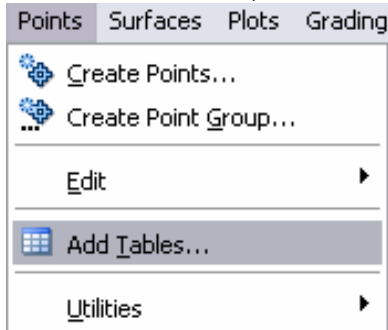
12. On the Menu toolbar, select 「 Point 」 → 「 Utilities 」 → 「 Create Blocks form COGO Point 」




13. In the Create Block form COGO Point dialog box :-
- Click  icon select [ALG]
 - Click [OK]

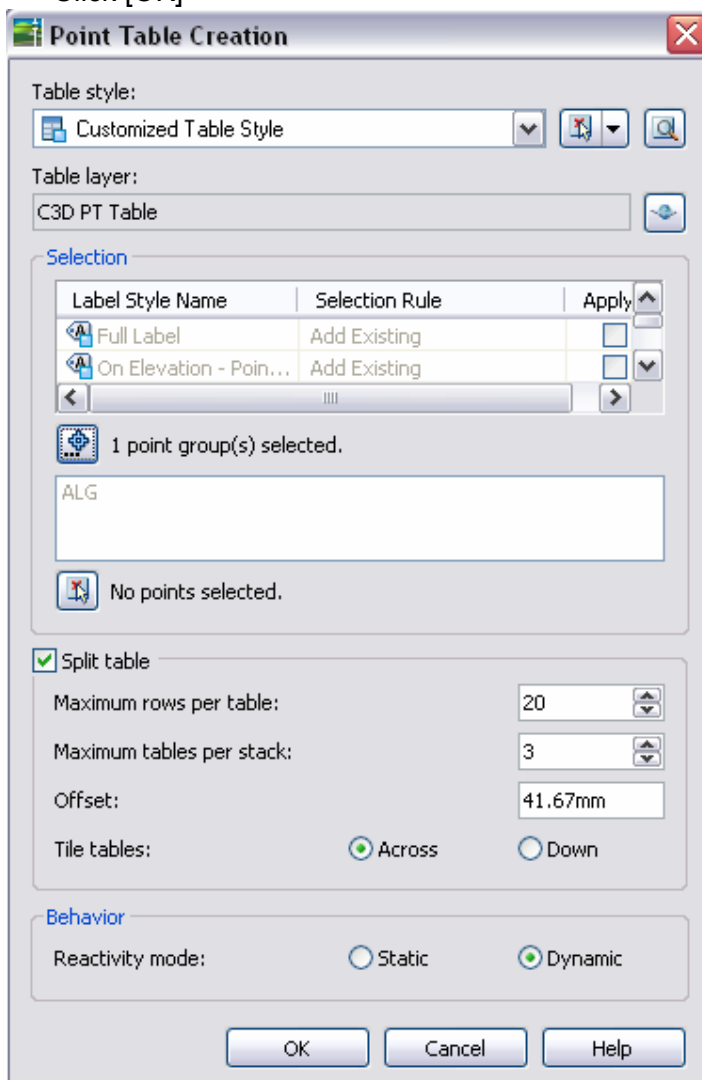


14. On the Menu toolbar, select 「 Point 」 → 「 Add Table 」



15. In the Point Table Creation dialog box :-

- Click  icon select [ALG]
- Click the Reactivity mode [Dynamic]
- Click [OK]



16. In the space area the paste the table

17. Close the drawing file. Do not save the change.