

Eagle Point/AutoCAD How-To for NRCS work

Title & Description	Date
1. Field Codes - Understanding Eagle Point surveying field code libraries.	12/21/2001
2. Starting EP* – Starting a new Eagle Point project using prototypes and templates.	3/8/2007
3. Points into EP* – Downloading or importing survey points into the project.	2/20/2007
4. Transit Survey Input – Entering transit survey points directly into the project.	8/1/2003
5. SSRP Transit Survey Export – Export transit survey points from Ohio SSRP into Eagle Point.	6/8/2004
6. Garmin 76 into CAD – Bringing points into CAD from the GIS grade UDSA GPS Garmin 76 for geo-referencing purposes.	6/8/2004
7. Adjusting, Merging, and Rotating Surveys – Raising or lowering elevations and combining 2 surveys into a common reference	8/1/2003
8. Original Ground Contours* – Creating contours for the original ground surface.	2/20/2007
9. Plotting – Setting up & using viewports for plotting plan views and profile views.	3/13/2007
10. EP Surface Model Rebuild – Rebuilding a surface model that is partially working. E.g. - Contours work but volumes do not.	6/8/2004
11. CAD-GIS Data Exchange* – Transferring georeferenced data between CAD and ArcGIS.	5/10/2006
12. Exporting Pool Data* – Exporting pool area data to HydroYardage or Sites.	6/8/2004
13. Storage Volume Only* – Determining the total storage volume at a specified elevation.	12/18/2002
14. Pond Embankment* – Drawing an embankment top, wave berm, core trench, and toes. Calculating earthwork volumes.	12/18/2002
15. Auxiliary Spillway Layout* – Placing the Auxiliary Spillway and combining it with the embankment.	8/1/2003
16. Profiles* – Developing profiles or cross sections with grids and labeling.	3/13/2007
17. Extract Profile Data* – Extract coordinates of profile data to a text file.	7/12/2004
18. Earthen Storage Pond* – Placing a rectangular earthen storage pond. Calculating & balancing earthwork volumes.	12/20/2001
19. Georeferencing* – Inserting georeferenced images and creating Digital Elevation Model contours for site planning.	12/20/2001
20. LiDAR Data Use in CAD* – Preparing and loading LiDAR XYZ formatted data for creating an original ground surface.	3/13/2007

*Eagle Point Steps Using the NRCS/EP Customized Menu

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22. Uploading – Marking Clearing limit points for stakeout and uploading to a data collector.	12/20/2001
23. Circular Concrete Tank* – Layout of a TR-9 MWPS circular concrete tank in plan view & profile views. Calculate excavation & drain quantities.	4/4/2002
24. Road Calc – On Road Dam - Create an on-road dam with a vertical curve and with a wave berm at normal pool level	4/5/2002
25. Road Calc – Waterway Design* – Develop a design profile with parabolic or trapezoidal shape to calculate volumes, and create profile & cross section sheets.	1/18/2005

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