

Autodesk Products Tip & Tricks

Product: Civil 3D 2009
Topic: What is My Report Reporting
Written by: Ken Przybysz, Technical Engineer
Date: December 8, 2008

You have your alignments and parcels created. You see there are Reporting Utilities under the General pull down menu. You expand the Alignment reports, right click General Legal Description For Alignments and execute the report. Why in the world is the report showing meters??!! I know I have all of my settings in feet!! The problem is not your drawing settings, it is your LandXML Reporting Settings!

The figure 1 shows an example of the report generated by Civil 3D 2009, as it ships. Notice the distance is in meters, followed by the conversion to feet in parentheses.

Legal description of alignment Main Street

From the Point of Beginning at a location of N 229.65 E 1715.48. Thence along a tangent line N 44° 03' 15" E a distance of 40.18 meters (131.84') to Station 1+31.8385;

Said curve turning to the right through an angle of 61° 08' 59", having a radius of 60.96 meters, and whose long chord bears N 74° 37' 45" E for a distance of 62.02 meters to a point of intersection with a non-tangential line.

Thence along a tangent line S 74° 47' 46" E a distance of 52.75 meters (173.07') to Station 5+18.3597;

Said curve turning to the left through an angle of 32° 45' 04", having a radius of 60.96 meters, and whose long chord bears N 88° 49' 42" E for a distance of 34.37 meters to a point of intersection with a non-tangential line.

LineEnd

Figure 1

This cannot be changed through the drawing settings or through styles. Instead, we need to edit the Land XML Reporting settings.

Go to the Start menu, select All programs, select Autodesk, select AutoCAD Civil 3D 2009 and select LandXML Reporting 7 (Figure 2).

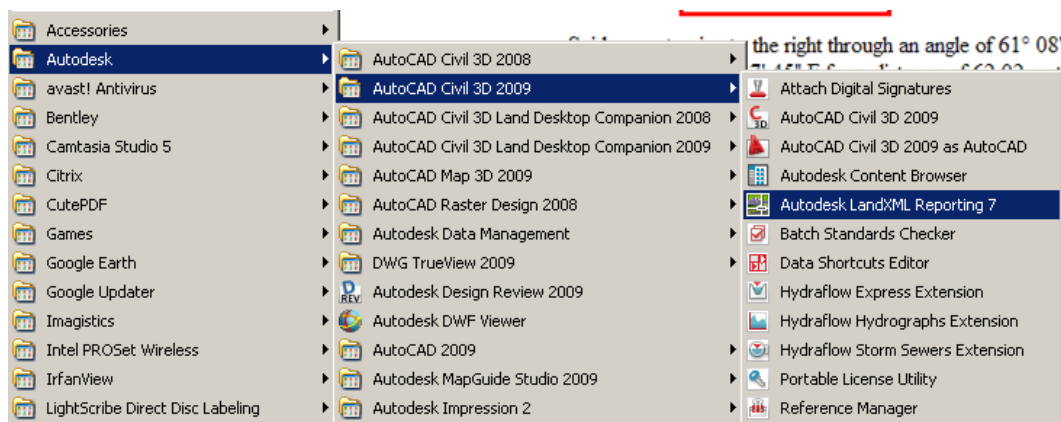


Figure 2

Autodesk Products Tip & Tricks

In the LandXML Reporting dialog box, select the Settings tab. In this tab, expand the “Legal Descriptions” collection. Highlight the “Report Units” item and on the right side, change the Units value to Foot (Figure 3).

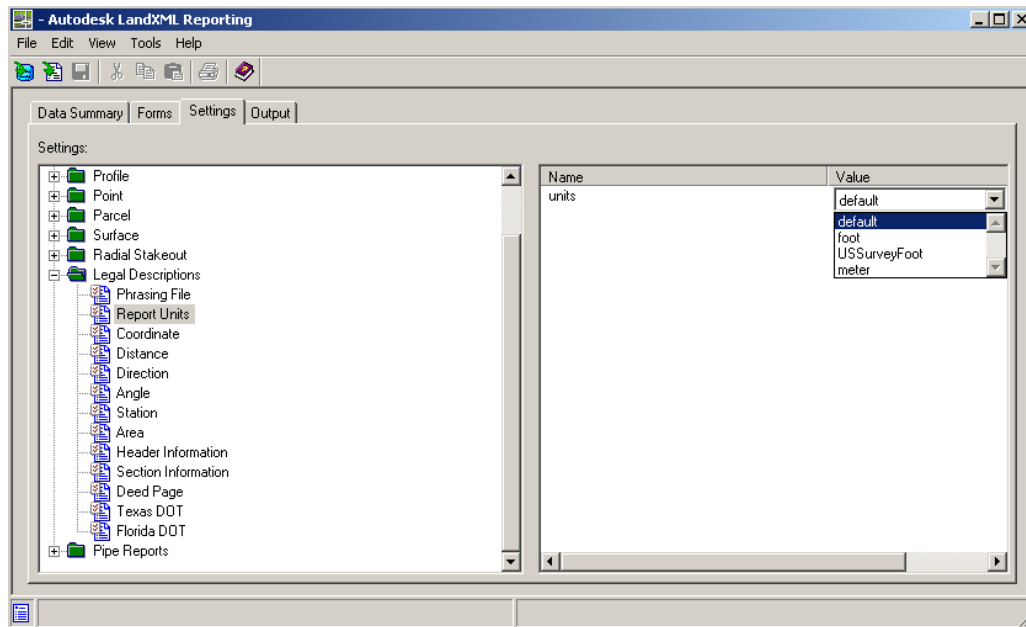


Figure 3

Select the File pull down menu in the LandXML Reporting dialog box and select Exit. The changes are automatically saved.

Now when you run the General Legal Description for Alignments report, the units are displayed in feet!

Legal description of alignment Main Street

Commencing at a point. Thence along a tangent line N 44° 03' 15" E a distance of 131.84 feet (40.18 m) to Station 1+31.8385;

Said curve turning to the right through an angle of 61° 08' 59", having a radius of 200.00 feet, and whose long chord bears N 74° 37' 45" E for a distance of 203.47 feet to a point of intersection with a non-tangential line.

Thence along a tangent line S 74° 47' 46" E a distance of 173.07 feet (52.75 m) to Station 5+18.3597;

Said curve turning to the left through an angle of 32° 45' 04", having a radius of 200.00 feet, and whose long chord bears N 88° 49' 42" E for a distance of 112.77 feet to a point of intersection with a non-tangential line.

Thence, N 72° 27' 10" E for a distance of 441.23 feet (134.49 m).

Figure 4