

Attaching Reference Ties and Bench Marks

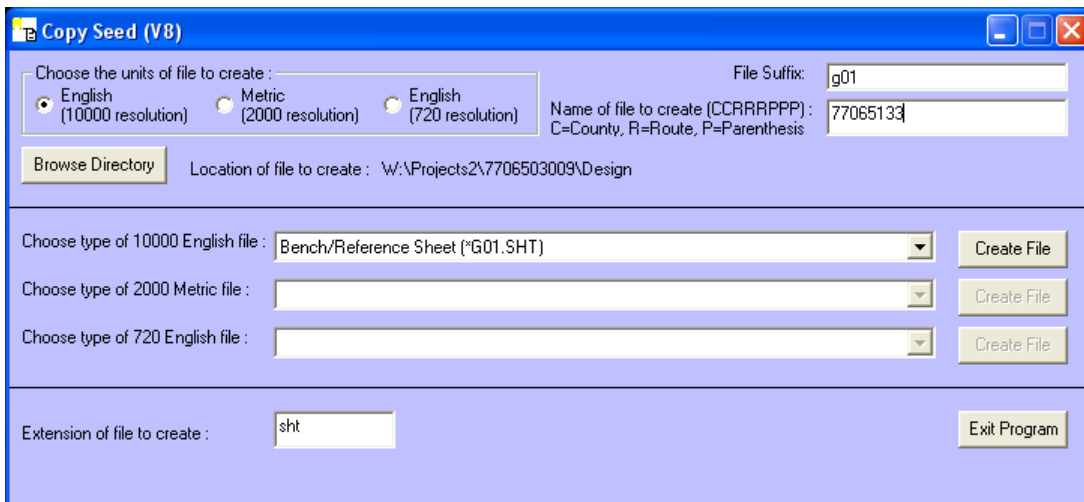
Design Manual
Chapter 20
Project Automation
Information
Originally Issued: 02-10-12

This section provides guidance on attaching **Reference Tie** and **Bench Mark** information to the G Sheets for plan sheet preparation. This information is created by the Preliminary Survey Section,

Refer to Section [1F-8](#) for information on G Sheets.

Creating the G Sheet MicroStation File

Using the **CopySeed** program, create a **Bench/Reference Sheet (*G01.SHT)** (see below).



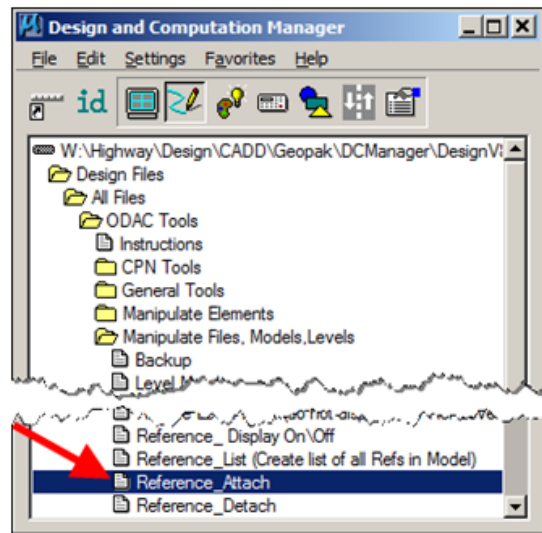
For further guidance on operating the **CopySeed** program, refer to Section [21C-54](#).

Open the MicroStation file created by **CopySeed**.

Referencing the Field_G_Sheet Model

In the **Design and Computation (D&C) Manager** dialog, access the **Reference_Attach** tool, as shown at the right.

NOTE: Do not copy anything active from the **Field_G_Sheet** model. When this model is attached as a reference, any additional survey changes will automatically be reflected in the **Bench/Reference Sheet**.

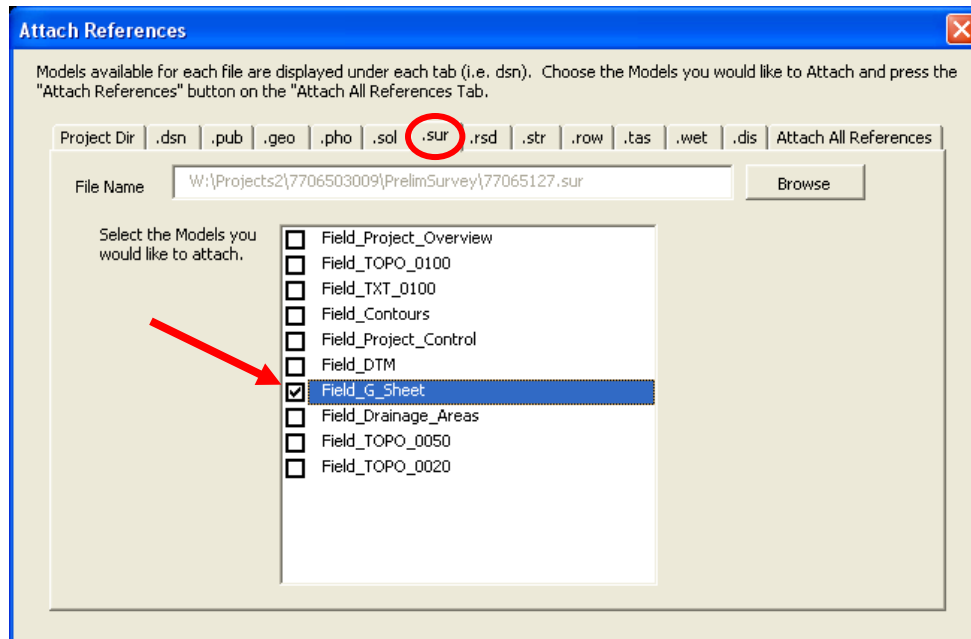


Select the **.sur** tab. Select the **Field_G_Sheet** model.

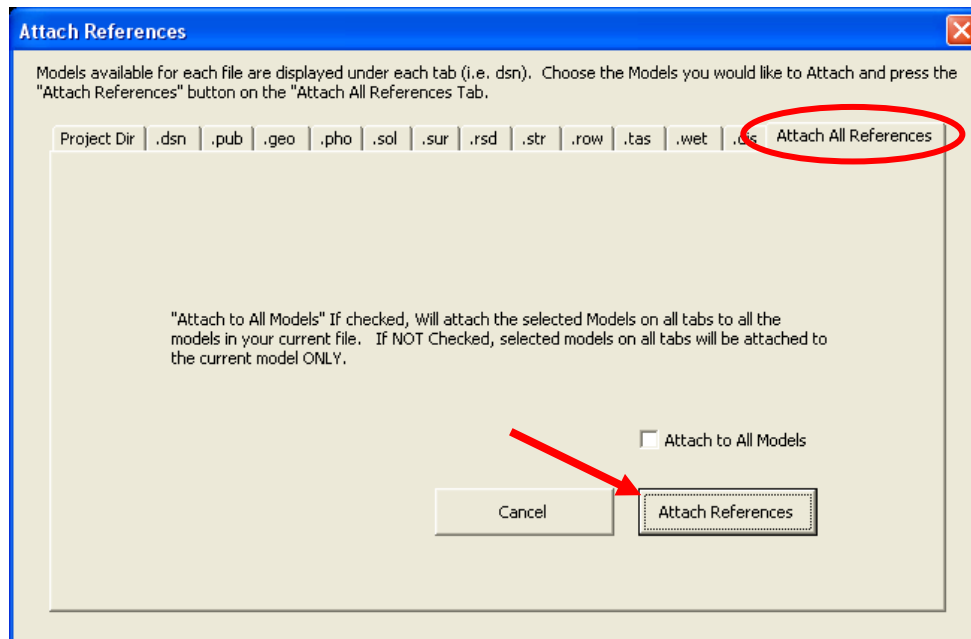
The **CCRRRPPP.sur** file containing the **Field_G_Sheet** model should be located at the following location:

W:\Projects\ProjectDi\PrelimSurvey\ProjectNum.sur

NOTE: The Design File Naming convention, “**CCRRRPPP**”, refers to the 2-digit **C**ounty, 3-digit **R**oute, and the 3-digit project **P**arenthesis number assigned to the project.



Select the **Attach All References** tab, then **Select Attach References**.



For further instruction on the **Attach_Reference** tool, refer to Section [21A-50](#).

Chronology of Changes to Design Manual Section:

020A-020 Attaching Reference Ties and Bench Marks

2/10/2012 NEW
New