

Right of Way Acquisition Tables

The Excel right-of-way acquisition table is created by the Survey Office as part of the original survey. The **ROWAcqTable.xlsm** Excel file can be generated by Survey personnel using the **Create Acq. Table** function in **Survey_Contact_Acq_Create.xlsm**. These Excel templates are available at the T.D.O.T. Design Division Standard V8 CADD Files and Documents web page.

Right-of-Way Acquisition Worksheets:

There are five worksheets in the **ROWAcqTable.xlt** file. The **SUR IN** and **DES IN** worksheets are used to build the **ACQ TABLE** worksheets. The **Add Sheets** worksheet has buttons to run the R.O.W. acquisition table macros. The **OWNERS** worksheet is used by the Survey Office to create a Geopak COGO input file for adding owner names to the parcels (tracts) stored in the project GPK file. Instructions are included to the right on all worksheets except for the tables.

SUR IN

The Survey Office fills in the **SUR IN** worksheet. This sheet has tract and owner information. The total feet square (column I) is calculated from the left and right square feet or acre inputs. Note that if acres are used, the number must be followed by the letters **ac** (Example: 1.158 ac).

CU298-18AcqTable.xlsm - Microsoft Excel

FileHomeInsertPage LayoutFormulasDataReviewViewDeveloperAdd-InsAcrobat

PasteClipboard

Arial8

</

This worksheet is used by the Design Office. Areas acquired for right of way and easements are entered on this sheet in square feet. An error flag will appear in column D for areas to be acquired that exceed the total area for that tract.

CU298-18AcqTable.xlsxm - Microsoft Excel

File Home Insert Page Layout Formulas Data Review View Developer Add-Ins Acrobat

Arial 9

\$ % + -

Conditional Formatting

Cell Styles

Sort & Filter

G6

INPUT DESIGN DATA										INSTRUCTIONS	
TRACT No	* AREA TO BE ACQUIRED IN SQUARE FEET		FLAG **	VALUES OBTAINED FROM SURVEY TOTAL AREA SQUARE FEET		* EASEMENT (S.F.)					
	LEFT	RIGHT		LEFT	RIGHT	PERM. DRAINAGE	SLOPE	CONST.			
1	8656			293965.12	0					1. * INPUT DATA IN SQUARE FEET. THE R.O.W. ACQUISITION TABLE WILL MAKE CONVERSION	
2		4398		0	53165.17					2. ** A red flag "X" will appear if the area right or left is greater than the total area right or left.	
3		5743		0	30432.89					3. If the values do not appear correct: Automatic calculation may be turned off - To turn automatic calculations back on: Go to	
4	9642			66769.4	0					Links may be incorrect - Use the macro button to rebuild the links.	
5		3429		0	28896.13					Rebuild links to SUR IN	
6		6307		0	2091770.29						
7	12784			130885.98	0						
8	9451			201713.62	0						
9		8402		0	44013.21						
10		7459		0	34992.95						
11	4289			89862.37	0						
12		5190		0	485826.68						
13	3769			90293.51	0						
14		7429		0	36412.57						
15	5396			45573.05	0						
16		9348		0	42517.88						
17		13692		0	37872.16						
18	12673			104889.03	0						
19		10563		0	43254.96						
20	14903			131462.48	0						

Ready SUR IN DES IN ACQ TABLE(1) Add Sheets OWNERS

80%

ACQ TABLE(*)

The ACQ TABLE(*) worksheets are used by the Design division to display on the project plan sheets. The R.O.W. Acquisition Table is displayed in MicroStation V8 by creating an OLE attachment. See the “Link Excel to MicroStation V8” section for details on attaching the Excel R.O.W. Acquisition Table to MicroStation V8. If the correct information is entered on the SUR IN and DES IN worksheets, there are no direct entries needed on the ACQ TABLE(*) worksheets.

CU29H-18AcqTable.xlsx - Microsoft Excel

FileHomeInsertPage LayoutFormulasDataReviewViewDeveloperAdd-InsAcrobat

Paste

Arial10

Wrap Text

\$ % + . 00 00 00

Conditional FormattingFormat as TableCell StylesInsertDeleteFormatCells

Sort & FilterFind & Select

ClipboardFontAlignmentNumberStylesCellsEditing

A1

R.O.W. ACQUISITION TABLE																	
TRACT NO.	PROPERTY OWNERS	COUNTY RECORDS				TOTAL AREA ACRES			AREA TO BE ACQUIRED ACRES			AREA REMAINING ACRES			EASEMENT (SQUARE FEET)		
		TAX MAP NO.	PARCEL NO.	DEED DOCUMENT REFERENCE		LEFT	RIGHT	TOTAL	LEFT	RIGHT	TOTAL	LEFT	RIGHT	TOTAL	PERM. DRAINAGE	SLOPE	CONST.
1	JACK ATKINS AND WIFE FRANCES M.	87	33.08	1036	1930	6.743		6.743	0.193		0.193	6.550					
2	CLAYTON HALL AND WIFE NOLA	87	76	54	58		1.221			0.101	0.101		1.120				
3	MORRIS EUGENE TURNER AND WIFE ELLA K.	87	17	483	615		0.639	0.639		0.132	0.132		0.567				
4	JOANN RICHARDSON	87	33.07	1035	1204	1.533		1.533	0.221		0.221	1.312					
5	GLENN FARR AND WIFE CHRISTINE	87	78	134	420		0.663	0.663		3423 S.F.	3423 S.F.		0.584				
6	CITY OF CROSSVILLE	87	82	502	800		48.020	48.020		0.145	0.145		47.875				
7	LIGHTHOUSE BAPTIST CHURCH	87	33.06	1033	341	3.005		3.005	0.233		0.233	2.712					
8	NICHOLAS G. MAYBOMATIS AND OTHERS	87	33.05	1027	1062	4.631		4.631	0.217		0.217	4.414					
9	WILLIAM G. COOKE AND WIFE LENA A.	87	79	60	538		1.010			0.193	0.193		0.817				
10	SUE SANDERS WRIGHT	87	80	263	623		0.803	0.803		0.171	0.171		0.632				
11	CHARLES F. KING AND WIFE E. GALE	87	33.04	1064	515	2.063		2.063	4289 S.F.	0.119	4289 S.F.	1.965					
12	DELBAR PRODUCTS, INC.	87	NO DEED			11.153		11.153			0.119		11.034				
13	E. F. SILVEY, INC.	87	33.03	506	316	2.073		2.073	3763 S.F.	0.119	3763 S.F.	1.986					
14	JOHN D. GOLDSTON AND WIFE SANDRA S.	87	81	453	193	0.836		0.836		0.171	0.171	0.665					
15	R. F. MAY	87	32.05	203	224	1.046		1.046	0.124		0.124	0.922					
16	PLATEAU PRIDE PRODUCE, LLC.	87	83	1034	212		0.376	0.376		0.215	0.215	0.161					
17	JERRY R. RANDOL AND WIFE MOREAN E.	87	83.01	173	734	0.863		0.863		0.314	0.314	0.555					
18	WAYNE F. JONES SR.	87	32.08	526	130	2.408		2.408	0.291		0.291	2.117					
19	RICKEY LYNN NEELY	87	34.01	373	421	0.933		0.933		0.242	0.242	0.751					
20	MAYFIELD DAIRY FARMS, INC.	87	32.09	238	430	3.018		3.018	0.342		0.342	2.676					
21	CARL L. NEELY AND WIFE ANITA L.	87	84	163	175	1.017		1.017		0.193	0.193	0.824					
22	DEVNEY JONES PRODUCE, LLC.	87	36.12	1034	214	3.082		3.082	0.154		0.154	2.928					
23	RICKEY LYNN NEELY	87	86	373	421	40.247		40.247		0.113	0.113	40.134					
24	JEFF PROFFITT AND WIFE CYNTHIA	87	32.11	474	253	3.207		3.207	2301 S.F.		2301 S.F.	3.140					

SUR INDES INACQ TABLE(1)Add SheetsOWNERS

Ready60%

To delete unneeded rows from the table or if direct entries must be made, the worksheet needs to be “unprotected”. To unprotect the worksheet, go to the Office 2010 ribbon under the **Review** tab in the **Changes** section and select **Unprotect Sheet**.

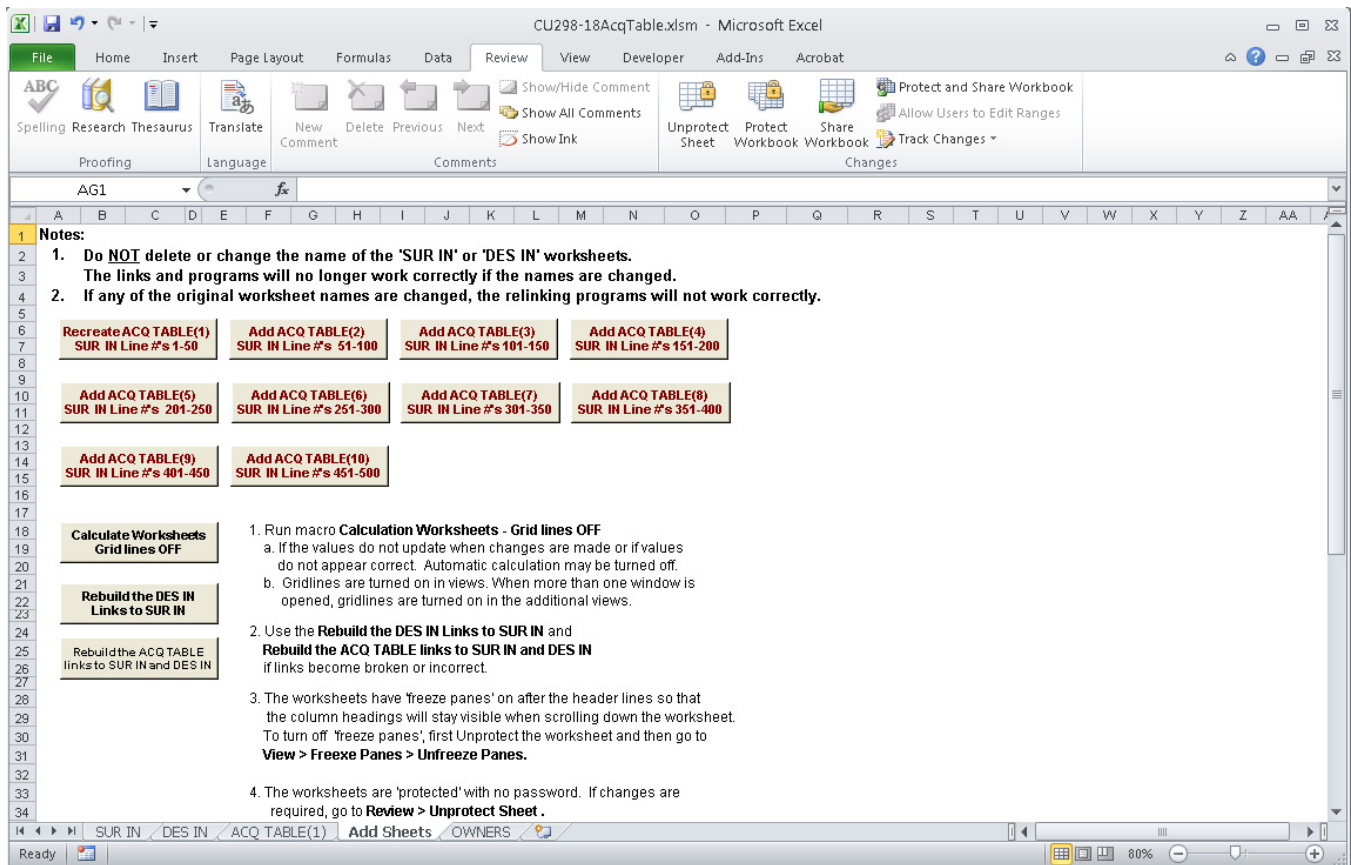


After making any changes it is recommended that you use the **Protect Sheet** option to prevent accidental changes to the formulas defined on this worksheet.

Add Sheets

This worksheet has macro buttons to:

- 1) Create or recreate the R.O.W. acquisition tables. Each R.O.W. acquisition table holds up to 50 tracts. Larger projects may require additional worksheets besides the one that is provided by default.
- 2) Calculate all the formulas in the workbook and turn the gridlines off. Sometimes the automatic calculation gets turned off and the cells will not reflect changes from the other worksheets. If additional windows are opened, the gridlines will be displayed. This macros turns off gridlines in all of the windows.
- 3) Rebuild links on the **DES IN** and **ACQ TABLE** worksheets. The links to the other worksheets can become lost and a **#VALUE** will appear in the cells. The worksheet names must have the original names: **SUR IN**, **DES IN** and **ACQ TABLE(*)** for the program to work correctly.



OWNERS

This worksheet and its associated macro creates a Geopak COGO input file for adding owner names to the parcels (tracts) stored in the project GPK file. This sheet is used by the Survey Office.

CU298-18AcqTable.xlsm - Microsoft Excel

File Home Insert Page Layout Formulas Data Review View Developer Add-Ins Acrobat

Spelling Research Thesaurus Translate New Comment Delete Previous Next Show/Hide Comment Show All Comments Show Ink Unprotect Sheet Protect Workbook Share Workbook Protect and Share Workbook Allow Users to Edit Ranges Track Changes

A3 001

	A	B	C
1	Owner Input File		Create Geopak owner input file and save to the project working folder
2	Filename:		Owners001.ISU
3	001		Geopak job number
4	SU		Operator initials
5	OWNER PAR	1	JACK ATKINS AND WIFE FRANCES M.
6	OWNER PAR	2	CLAYTON HALL AND WIFE NOLA
7	OWNER PAR	3	MORRIS EUGENE TURNER AND WIFE ELLA K.
8	OWNER PAR	4	JOANN RICHARDSON
9	OWNER PAR	5	GLENN FARR AND WIFE CHRISTINE
10	OWNER PAR	6	CITY OF CROSSVILLE
11	OWNER PAR	7	LIGHTHOUSE BAPTIST CHURCH
12	OWNER PAR	8	NICHOLAS G. MAVROMATIS AND OTHERS
13	OWNER PAR	9	WILLIAM G. COOKE AND WIFE LENA A.
14	OWNER PAR	10	SUE SANDERS WRIGHT
15	OWNER PAR	11	CHARLES F. KING AND WIFE E. GALE
16	OWNER PAR	12	DELBAR PRODUCTS, INC.
17	OWNER PAR	13	E. F. SILVEY, INC.
18	OWNER PAR	14	JOHN D. GOLDSTON AND WIFE SANDRA S.
19	OWNER PAR	15	R. F. MAY
20	OWNER PAR	16	PLATEAU PRIDE PRODUCE, LLC.
21	OWNER PAR	17	JERRY R. RANDOL AND WIFE MOREAN E.
22	OWNER PAR	18	WAYNE F. JONES SR.
23	OWNER PAR	19	RICKEY LYNN NEELY
24	OWNER PAR	20	MAYFIELD DAIRY FARMS, INC.
25	OWNER PAR	21	CARL L. NEELY AND WIFE ANITA L.
26	OWNER PAR	22	DEWEY JONES PRODUCE, LLC.
27	OWNER PAR	23	RICKEY LYNN NEELY
28	OWNER PAR	24	JEFF PROFFITT AND WIFE CYNTHIA
29			
30			
31			
32			
33			
34			
35			
36			
37			

Recreate Links Recreate the links to the "SUR IN" worksheet

Procedure for Entering Property Owners Name from ROW Table to Geopak

In Excel

1. Enter the Geopak job number in cell A3
2. Enter the operator initials into cell A4.
3. If the owner names are not showing as they appear on the "SUR IN" worksheet, then use the **Recreate Links** command above.
3. Run the **Owner Input File** command. When prompted, save the Geopak owner input file to the project working folder.

In Microstation

After the the parcels have been stored in Geopak without the owner names:

4. Open the survey dgn file and Geopak cogo.
5. Read in the owners names as a Geopak input file.
 - a. In the cogo pulldown menu window select **File> File Utility**.
 - b. Select the owner input file, **Load> Apply**.
 - c. On the cogo pulldown menu window, select **Edit> Editor**.
 - d. If everything looks good, select **Edit> Read All**, and then close the window.

Notes:

1. Enter the owner names one time only. Doing this more than once will cause the names to be assigned multiple times. This should be one of the last things done before job turn-in.
2. If you edit a parcel after doing this you must restore the owner's name.
3. Geopak disregards blank lines and extra blanks spaces.

Link Excel R.O.W. Acquisition Table to MicroStation V8

See **2ndSheetsV8.pdf** for more detailed instructions for linking Excel worksheets to MicroStation V8.

In Excel

1. Select the right-of-way acquisition table in Excel. Select an extra row and column on each side of a tabulated block so that the width of the border lines on the edges of the tabulated block are not cut in half.
2. Go to the ribbon menu at **Home > Clipboard** and choose **Copy** or right click on your mouse and pick Copy from the choices given. This puts the selected information into the Windows Clipboard.

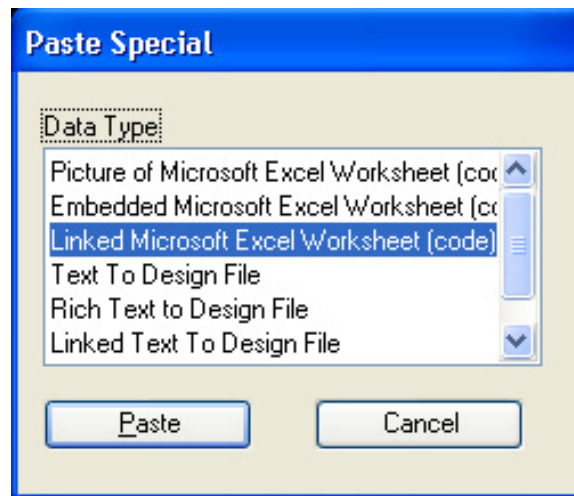
TRACT NO.	PROPERTY OWNERS	COUNTY RECORDS				TOTAL AREA ACRES			AREA TO BE ACQUIRED ACRES			AREA REMAINING ACRES			EASEMENT (SQUARE FEET)		
		TAX MAP NO.	PARCEL NO.	DEED DOCUMENT REFERENCE		LEFT	RIGHT	TOTAL	LEFT	RIGHT	TOTAL	LEFT	RIGHT	TOTAL	PERM.	SLOPE	CONST.
1	JACK ATKINS AND WIFE FRANCES M.	87	33.08	1036	1330	6.743		6.743	0.193		0.193	6.550					
2	CLAYTON HALL AND WIFE NOLA	87	76	54	58		1.221	1.221		0.101	0.101	1.120					
3	MORRIS EUGENE TURNER AND WIFE ELLA K.	87	77	483	615		0.639	0.639		0.132	0.132	0.507					
4	JOHNN RICHARDSON	87	33.07	1035	1204	1.533		1.533	0.221		0.221	1.312					
5	GLENN FARR AND WIFE CHRISTINE	87	78	134	420		0.663	0.663		0.145	0.145	0.518					
6	CITY OF CROSSVILLE	87	82	502	800	48.020		48.020				47.875					
7	LIGHTHOUSE BAPTIST CHURCH	87	33.06	1033	341	3.005		3.005	0.233		0.233	2.772					
8	NICHOLAS G. MAYROMATIS AND OTHERS	87	33.05	1027	1062	4.631		4.631	0.217		0.217	4.414					
9	WILLIAM G. COOKE AND WIFE LENA A.	87	79	50	538		1.010	1.010		0.133	0.133	0.877					
10	SUE SANDERS WRIGHT	87	80	263	623		0.803	0.803		0.171	0.171	0.632					
11	CHARLES F. KING AND WIFE E. GALE	87	33.04	1064	515	2.063		2.063	0.119		0.119	1.944					
12	DELBAR PRODUCTS, INC.	87	NO DEED				11.153	11.153				11.034					
13	E. F. SILVEY, INC.	87	33.03	506	316	2.073		2.073		0.119	0.119	1.954					
14	JOHN D. GOLDSTON AND WIFE SANDRA S.	87	81	453	193		0.836	0.836		0.171	0.171	0.665					
15	R. F. MAY	87	32.05	203	224	1.046		1.046	0.124		0.124	0.922					
16	PLATEAU PRIDE PRODUCE, LLC.	87	83	1034	212		0.376	0.376		0.215	0.215	0.161					
17	JERRY R. RANDOL AND WIFE MOREANE	87	53.01	173	114		0.863	0.863		0.314	0.314	0.549					
18	WAYNE F. JONES SR.	87	32.08	526	130	2.408		2.408	0.231		0.231	2.177					
19	RICKEY LYNN NEELY	87	84.01	313	421		0.393	0.393		0.242	0.242	0.151					
20	MAYFIELD DAIRY FARMS, INC.	87	32.09	238	430	3.018		3.018	0.342		0.342	2.676					
21	CARILL NEELY AND WIFE AMITA L.	87	84	163	175		1.017	1.017		0.193	0.193	0.824					
22	DEWEY JONES PRODUCE, LLC.	87	32.12	1034	214	3.082		3.082	0.154		0.154	2.928					
23	RICKEY LYNN NEELY	87	86	313	421		40.247	40.247		0.113	0.113	40.134					
24	JEFF PROFFITT AND WIFE CYNTHIA	87	32.11	474	253	3.207		3.207	0.113		0.113	3.094					

In MicroStation V8

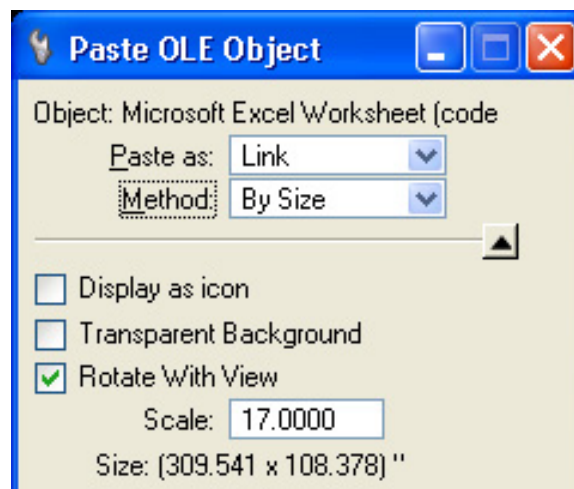
The Excel link will be placed on the active level in MicroStation V8.

1. On the MicroStation menu bar, go to **Edit > Paste Special...**

Select the **Linked Microsoft Office Excel Worksheet** option and click the **Paste** button,

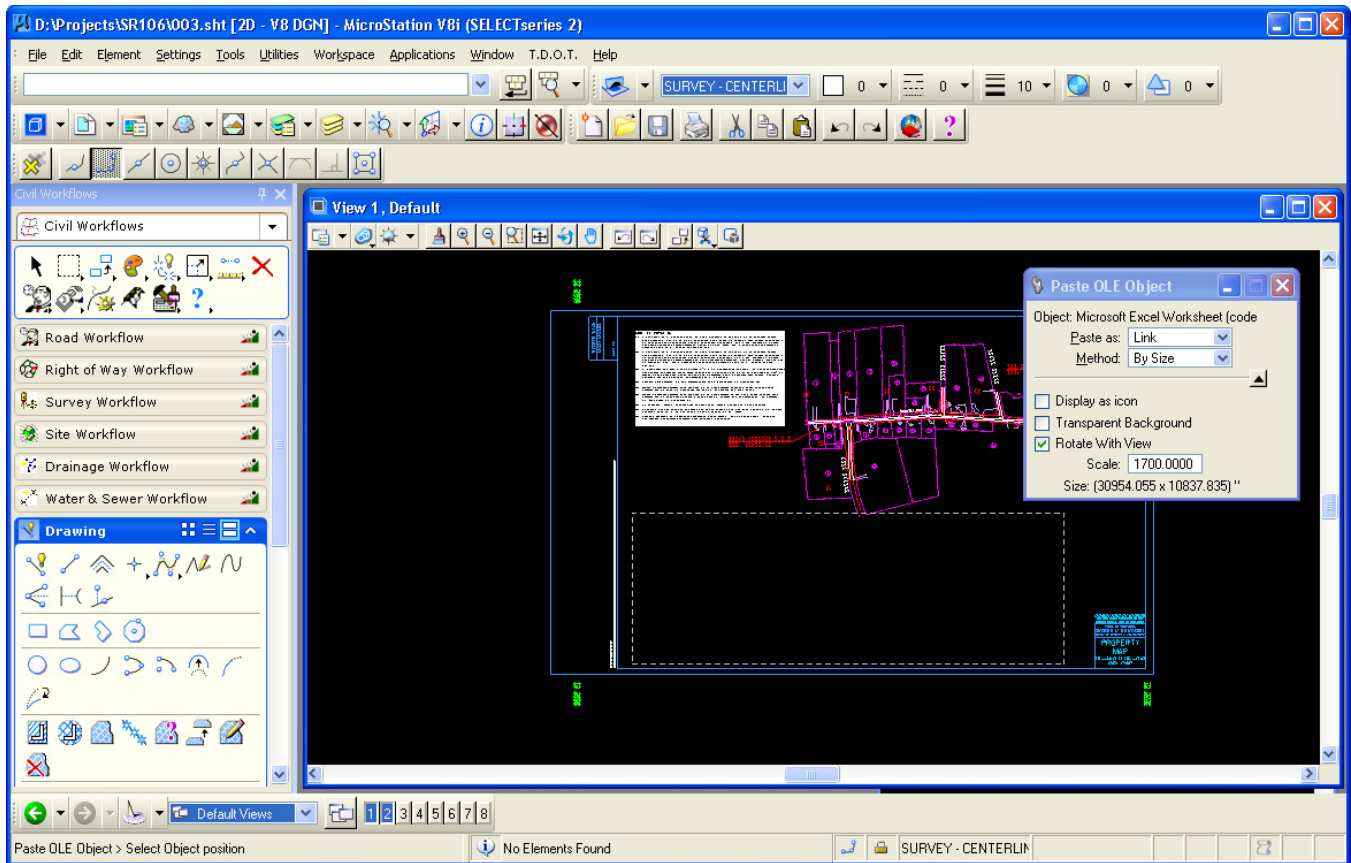


2. In the Tool Settings dialog, Set Paste as: **Link** and Method: **By Size**. Under the extra options, click on **Rotate With View** (MicroStation V8i).



3. Set the **Scale** value to 17 for a 1 scale sheet. Multiply the 17 times the plot scale for other plot scales. For a 100 scale property map sheet you would use 1700 (17 X 100).

4. You are prompted to **Select Object Position**. Data point to place the link.



After placement, the OLE attachment can be manipulated as a graphic element. It can be moved, copied and scaled as needed.

- The link will be a picture of the Excel worksheet. The text size cannot be measured directly but should be approximately 0.14' multiplied by the sheet scale.

