

TECHNICAL NOTES

U.S. DEPARTMENT OF AGRICULTURE

UTAH

NATURAL RESOURCES CONSERVATION SERVICE

February 6, 2013

ECS - GENERAL - TECHNICAL NOTE UT UT190-13-1
190-VI

SUBJECT: TOOLKIT PRACTICE GEOMETRY

Purpose. To transmit information on digitization of NRCS linear practices as polygons.

Effective Date. Upon receipt.

Contents of Technical Note.

Issue: Toolkit does not allow for the digitization of some NRCS linear practices as lines. The Toolkit user can only digitize polygons.

Solution: The Toolkit User could digitize a polygon a certain width wide and the desired length. The length in each case should depend on the actual planned location and extent of the practice so that the map will adequately represent what is planned. Use these widths for these practices:

- 443 In the practice scheduler you can schedule 443 for the fields (acres) that the gated pipe serves. You can use a "build your own line" or digitize the gated pipe under "practice lines," but do not attribute them. They will show up as null and you can change the name "null" to "gated pipe" and change the symbol to a pipeline symbol. Alternatively, draw a graphic to show where the pipe will be located.
- 500 For removal of fence or any other narrow, linear obstruction, 5'
- 645 For fence marking, 5'

Filing Instructions. File in the Technical Notes notebook under ECS – General.

Contacts.

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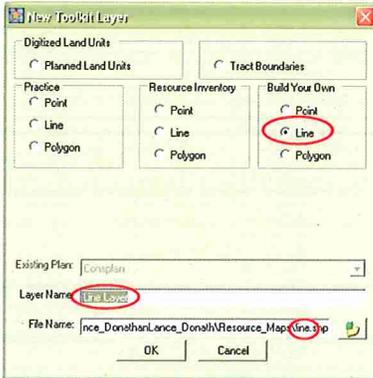


DAVID C. BROWN
State Conservationist

Attachment

To create a “Build Your Own” line:

1. Click the “New Toolkit Layer” button aka Carl’s Jr. button 
2. Click the “Line” radio button. You also have the option to rename the layer and file name.

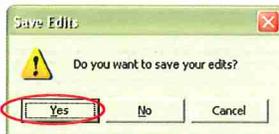
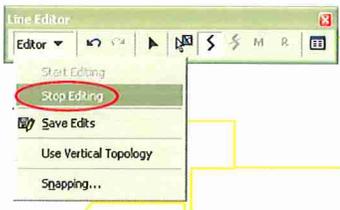


3. Click “OK”
4. A new line layer will appear in your Table of Contents and the “Line Editor” toolbar will be open and ready to digitize a line. Click the “Add Feature” button to begin adding the line.

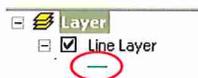


Left click each time you want to change the direction of the line and double left click to finish digitizing.

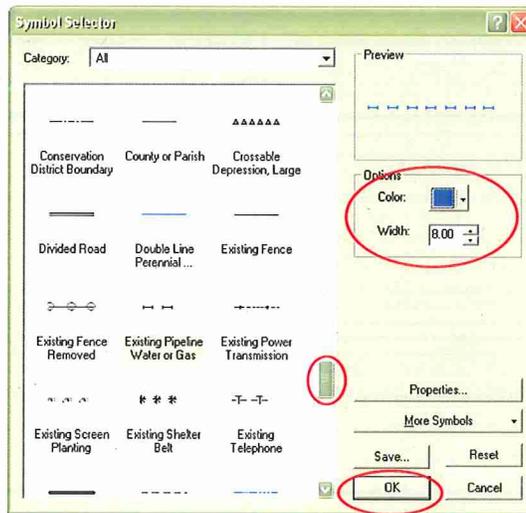
5. Click “Editor” “Stop Editing” when you are finished with edits. Make sure to save your edits.



6. To change the symbol to a pipeline symbol, double left click on the default line symbol.



7. A “Symbol Selector” dialog box will open, scroll down and left click the symbol you want. You can also change the color and size if you want. Click “OK” when you are finished.

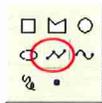


To create a Graphic line, follow these steps:

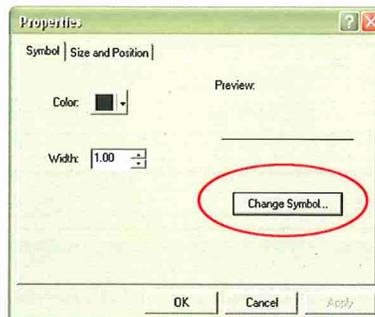
1. Click the drop down next to the square on the “Drawing Toolbar”



2. Select the “New Line” tool.



3. Left click to start digitizing the line, left click every time you want to change the direction of the line. Double left click to finish the line.
4. The line is selected when digitizing is finished. There will be a blue hashed box around the line. This means the line is selected. Right click on the line and left click properties. The properties dialog will open. Click “Change Symbol” button.



5. A “Symbol Selector” dialog box will open, scroll down and left click the symbol you want. You can also change the color and size if you want. Click “OK” when you are finished.

