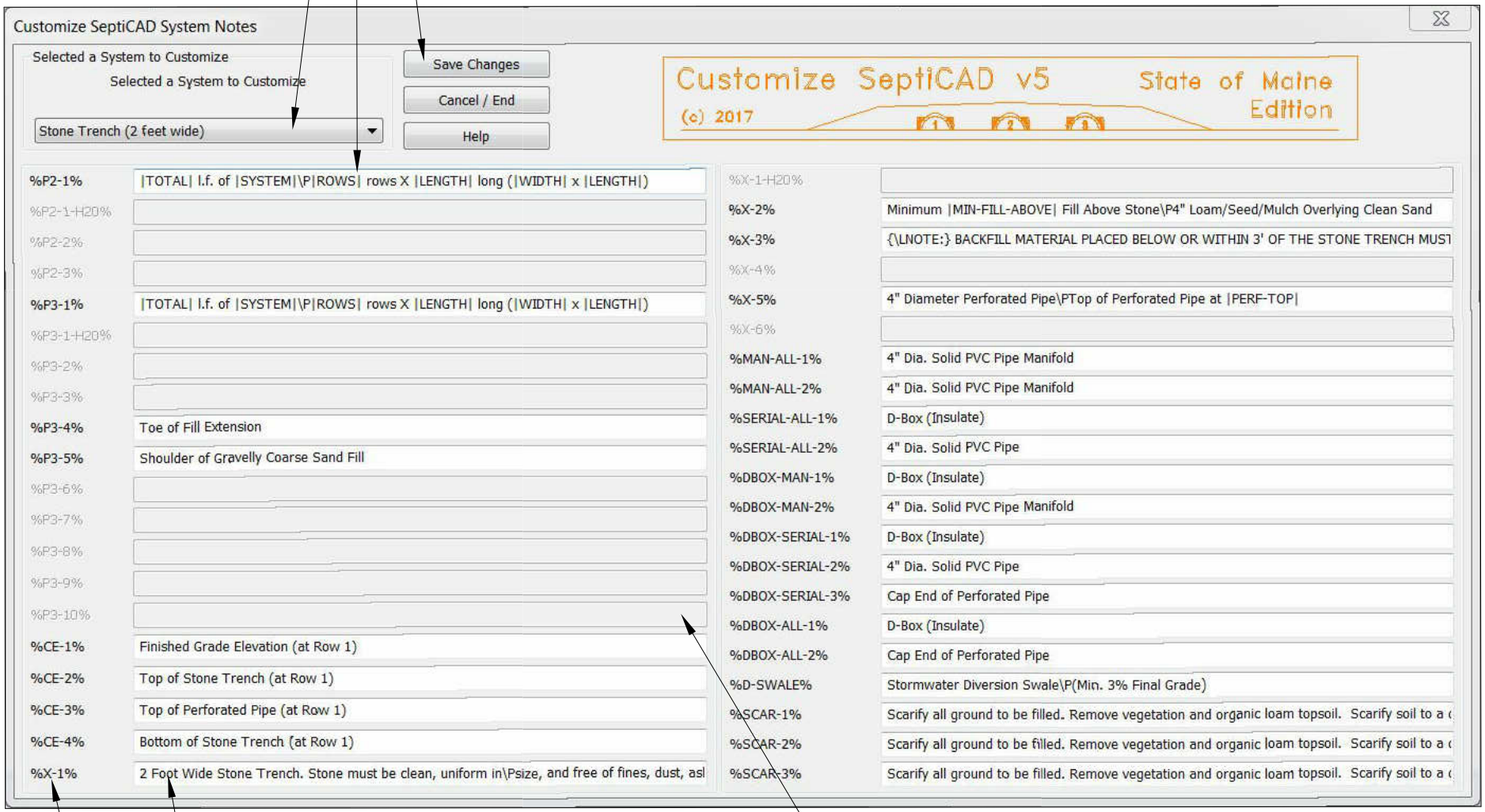
System Specific Customizable Notes

Output for each system type can be customized modified using the System Customization Menu shown below. It is accessed via the SeptiCAD Preferences Menu. Alternatively, a macro-enabled Microsoft Excel spreadsheet provided in the C:\SeptiCADv5 folder can be used. If many changes are being made, the Excel spreadsheet method, discussed on the next page of this help file, is the preferred method.

STEP 1: Select the System

STEP 2: Modify a Note (refer to next page of this help file for a description of how the notes are used)

STEP 3: Save Your Changes



Note Text (for more info refer to next page of this help file)

Customizable Note ID (for more info refer to next page of this help file)

Grayed Out Areas are Not Applicable for the Selected System

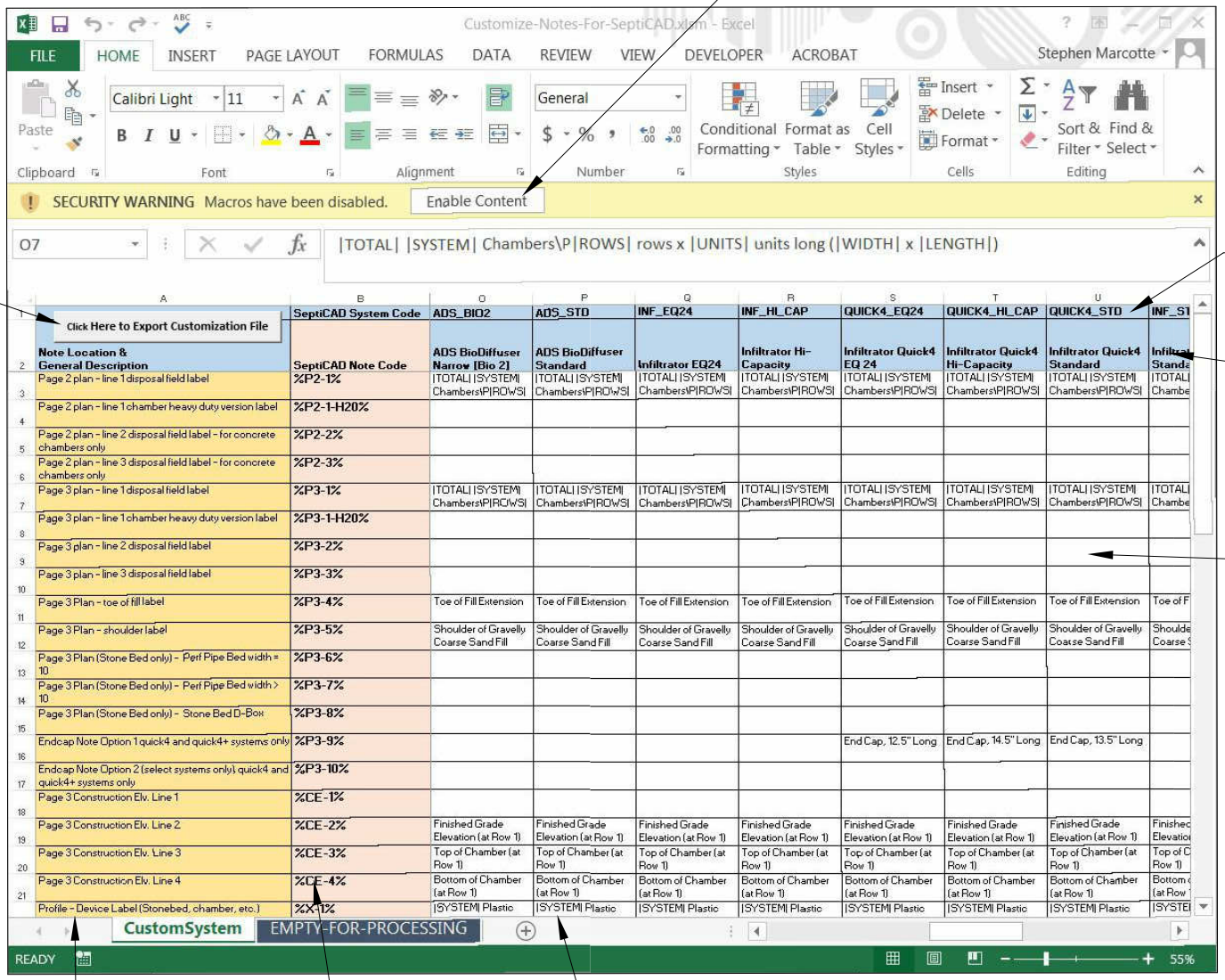
System Specific Customizable Notes

For any major changes and for ease of use, the Microsoft Excel spreadsheet method for customizing SeptiCAD is recommended. Use of Excel spreadsheet method allow you to make changes to multiple system very quickly using traditional cut, copy and paste tools. The spreadsheet was copies to your computer during installation and can be found here:

C:\SeptiCADv5\Customize-Notes-For-SeptiCAD.xlsm

NOTE: Macros **MUST BE ENABLED** for spreadsheet to function correctly

Once Changes are Made, Press this Button and, provided that MACROs are Enabled, revised customization files will be created in the SeptiCAD program directory



SeptiCAD's shorthand notation for each system (do not change)

System Type Name, for reference only

Blank Cells for a particular SeptiCAD Note Codes indicate that they are not used for a system. A note can be entered, but it will be ignored by SeptiCAD.

General Description of Purpose

Customizable Note ID (for more info refer to next page of this help file)

Note Text (for more info refer to next page of this help file)

SeptiCAD System Customization Note / Label Descriptions

Descriptions of the customizable system component labels and system notes are provided below. SeptiCAD's AutoLISP/VisualLISP code uses the "Note Codes" listed below to manage the computer code that creates the septic design drawings. Each of the 30 different disposal field systems have their own labels.

Some "Note Codes" may have a unique string of text characters bracketed by the pipe (|) symbol, that are used as a place holder (a "variable"), which will replaced with a calculated or system-specific value when created by the SeptiCAD program. For instance |WIDTH|, |LENGTH|, |ROWS|, |UNITS|, |MIN-FILL-ABOVE|. The variables, bracketed by the | symbol are cAse SenSitive. Details on what variables are available for each system type and a written description for each is provided on page 4 and 5 of this help file.

Formatting:

Formatting for notes/labels is possible using the standard Multiline Text entity formatting codes can be used, refer to:

http://www.cadforum.cz/cadforum_en/text-formatting-codes-in-mtext-objects-tip8640

For instance:	\L*text to be underline*\l	will display as	<u>text to be underlined</u>
	Line 1\PLine2	will display as	Line 1 Line 2

You will see examples of both in the default labels/notes provided with SeptiCAD v5.

HHE-200 Page 2 Plan Disposal Field Label

SeptiCAD Note Code	Note Description / General Location
%P2-1%	Page 2 Plan - Line 1 disposal field label
%P2-1-H20%	Page 2 Plan - Line 1 disposal field label - heavy duty (H20) version concrete chamber label
%P2-2%	Page 2 Plan - Line 2 disposal field label - concrete chambers only, note regarding stone beside concrete chambers
%P2-3%	Page 2 Plan - Line 3 disposal field label - concrete chambers only, note regarding concrete chamber disposal field dimensions

HHE-200 Page 3 Plan Disposal Field Component Labels

SeptiCAD Note Code	Note Description / General Location
%P3-1%	Page 3 Plan - Line 1 disposal field label
%P3-1-H20%	Page 3 Plan - Line 1 disposal field label - heavy duty (H20) version concrete chamber label
%P3-2%	Page 3 Plan - Line 2 disposal field label - concrete chambers only, note regarding stone beside concrete chambers
%P3-3%	Page 3 Plan - Line 3 disposal field label - concrete chambers only, note regarding concrete chamber disposal field dimensions
%P3-4%	Page 3 Plan - Toe of Fill Extension label
%P3-5%	Page 3 Plan - Shoulder of Fill label
%P3-6%	Page 3 Plan (Stone Bed only) - Perforated Pipe label when width = 10’
%P3-7%	Page 3 Plan (Stone Bed only) - Perforated Pipe label when width > 10’
%P3-8%	Page 3 Plan (Stone Bed only) - Stone Bed D-Box label
%P3-9%	Page 3 Plan (Infiltrator Quick4 and Quick4+ only) – Endcap label Option 1
%P3-10%	Page 3 Plan (Infiltrator Quick4 and Quick4+ only) – Endcap label Option 2

HHE-200 Page 3 Plan Construction Elevation

For many systems, Construction Elevation (CE) lines 2, 3 and 4 are used for the typical Top of Fill (Row 1), Top of Chamber, and Bottom of Chamber, but for proprietary devices with system sand, concrete chambers with stone below the chambers, or for a stone bed or stone trenches, a fourth elevation is provided (e.g., bottom of system sand, bottom of stone or top of perforated pipe).

SeptiCAD Note Code	Note Description / General Location
%CE-1%	Page 3 Construction Elevation Line 1, system specific – see examples
%CE-2%	Page 3 Construction Elevation Line 2, system specific – see examples
%CE-3%	Page 3 Construction Elevation Line 3, system specific – see examples
%CE-4%	Page 3 Construction Elevation Line 4, system specific – see examples

HHE-200 Page 3 Cross-Section / Profile System Component Labels

SeptiCAD Note Code	Note Description / General Location
%X-1%	Profile - Device Label (Stonebed, chamber, etc.)
%X-1-H20%	Profile - Device Label option for H-20 option, select systems only
%X-2%	Profile - Fill above system note
%X-3%	Profile - Note in top left corner of cross section – Text, or block file name preceded by an asterisk (example: *C:\SEPTICADV5\BLOCKS\BLOCKNAME.DWG)
%X-4%	Profile - System Sand note for Eljen and Enviro-Septic, Stone beside chamber notes for high capacity and standard plastic chamber
%X-5%	Profile - custom note for various systems, see examples
%X-6%	Profile - custom note for various systems, see examples

HHE-200 Page 3 Plan Disposal Distribution Box / Piping Labels

For proprietary devices and stone trenches, there are a wide range of ways to distribute water to each rows. SeptiCAD will draw 5 different distribution layout. The labels printed for each system are system specific.

SeptiCAD Note Code	Note Description / General Location
%MAN-ALL-1%	Manifold distribution to all pipes: distribution side pipe label
%MAN-ALL-2%	Manifold distribution to all pipes: far side pipe label, opposite distribution.
%SERIAL-ALL-1%	Serial feed all rows sequentially. Optional d-box label - delete if not wanted
%SERIAL-ALL-2%	Serial feed all rows sequentially. Serial connector pipe label
%DBOX-MAN-1%	D-box to grouped rows connected by pipe manifold - D-box label
%DBOX-MAN-2%	D-box to grouped rows connected by pipe manifold - Far side pipe label opposite distribution.
%DBOX-SERIAL-1%	D-box to serial sections: D-box label
%DBOX-SERIAL-2%	D-box to serial sections: far side serial connector label
%DBOX-SERIAL-3%	D-box to serial sections: End cap note label for select systems
%DBOX-ALL-1%	D-box to all rows individually: distribution box label
%DBOX-ALL-2%	D-box to all rows individually: End cap note label for select systems

OTHER TOOLS

SeptiCAD Note Code	Note Description / General Location
%D-SWALE%	Label text for diversion swale / curtain drain tool.
%SCAR-1%	Auto Scarification / Transitional Horizon Tool Note – Option 1
%SCAR-2%	Auto Scarification / Transitional Horizon Tool Note – Option 2
%SCAR-3%	Auto Scarification / Transitional Horizon Tool Note – Option 3

Variable Names and Use by System Type

Stone Bed	Stone Trenches	Enviro-Septic Pipe & Moundbuster	Plastic Chambers and Concrete Chambers (Trench Configuration)	Infiltrator Quick4 and Quick4+ Chambers	Concrete Chamber (Cluster)
|WIDTH|	|SYSTEM|	|SYSTEM|	|SYSTEM|	|SYSTEM|	|SYSTEM|
|LENGTH|	|TOTAL|	|TOTAL|	|TOTAL|	|TOTAL|	|TOTAL|
|NUM-PIPES|	|ROWS|	|ROWS|	|ROWS|	|ROWS|	|ROWS|
|LEN-PIPES|	|LENGTH|	|LENGTH|	|UNITS|	|UNITS|	|UNITS|
|SPACING-PIPES|	|WIDTH|	|WIDTH|	|LENGTH|	|LENGTH|	|LENGTH|
|MIN-FILL-ABOVE|	|MIN-FILL-ABOVE|	|MIN-FILL-ABOVE|	|WIDTH|	|LENGTH-ALT|	|WIDTH|
|PERF-TOP|	|PERF-TOP|	|INLET-INVERT|	|MIN-FILL-ABOVE|	|WIDTH|	|STONE-BESIDE|
	|INLET-INVERT|	|INLET-TOP|	|INLET-INVERT|	|MIN-FILL-ABOVE|	|STONE-BELOW|
	|INLET-TOP|		|INLET-TOP|	|INLET-INVERT|	|MIN-FILL-ABOVE|
				|INLET-TOP|	|INLET-INVERT|
					|INLET-TOP|

Variable Name and General Description

Variable Name	General Description
|INLET-INVERT|	Row 1 bottom of inlet elevation in inches relative to elevation reference point
|INLET-TOP|	Row 1 top of inlet elevation in inches relative to elevation reference point
|LENGTH|	Length of system in feet and inches
|LENGTH-ALT|	Length of system in feet and inches including endcaps (for Infiltrator Quick4 and Quick4+ chambers only)
|LEN-PIPES|	Stone Bed only - length of perforated pipes
|MIN-FILL-ABOVE|	Inches of fill specified above top of stone or proprietary device
|NUM-PIPES|	Stone Bed only - number of perforated pipes
|PERF-TOP|	Stone Bed only - top of perforated pipe elevation in inches relative to elevation reference point
|ROWS|	Number of Rows, not applicable to Stone Bed
|SPACING-PIPES|	Stone Bed only - center to center spacing of pipes in feet (will always print 5 feet, reserved for future use)
|STONE-BELOW|	Cluster Concrete Chambers only - inches of stone specified below chambers
|STONE-BESIDE|	Cluster Concrete Chambers only - inches of stone specified beside chambers
|SYSTEM|	System Name, as specified by SeptiCAD code. Name is the same as listed in the main design pull-down menu. The name itself is not customizable. If a name change is desired, just enter the name using plain text, rather than using |SYSTEM|
|TOTAL|	Total linear feet or number of units, depending on the system. Enviro-Septic, Moundbuster and Stone Trenches is linear feet, otherwise the total number of units is provided
|UNITS|	Number of units in each row, for chamber type systems
|WIDTH|	Width of system in feet and inches