

Memo

To: All AutoCAD Users
From: Tom Hanley
Date: 5/16/05 (Updated)
Re: AutoCAD Layer Standard Changes
Attachments: Standard Survey Layers, Standard Design Layers, Pen Weight Comparison Plot

In accordance with a verbal request by the county file clerk's office, we are making some changes to our layer standards. The changes are minimal. Basically, all we have done is change any gray plotted colors to black. We will continue to use the gray color (color #3) for the soils layer because the polylines are wide enough not to be a problem. Do not use color #3 for any other purpose.

There is a new drawing template when creating a new drawing. It is called "_DesignSurvey_Combo.dwt". It is to be used for maps that contain the Survey information within the Engineering drawing instead of in a separate Survey drawing. In other words, the Survey layers aren't grayed out like in a typical Engineering drawing where most of the xref layers are color #8. I have not included a layer list for this template because the layers are the same as taking the Engineering layer list and superimposing the Survey layer list over it.

Please make an effort to use one of the existing standard layers before you create any new layers in your drawings. The standard templates have the new layers defined. The layer names are only slightly changed and a few linetypes were changed. The biggest change is the way the colors are used. We will now use only one plotter pen table for everything. The file name is **LANCTULLY_03.ctb**. You will find this file on your local hard drives in the Plot Styles subdirectory under your Land desktop 3 program directory. The new table makes provisions for standard plotting as well as color renderings. We have added 45 more colors to use in the display that use 9 different lineweights when plotted in black. This should make it a little easier to visually identify the different systems as you work in the AutoCAD display.

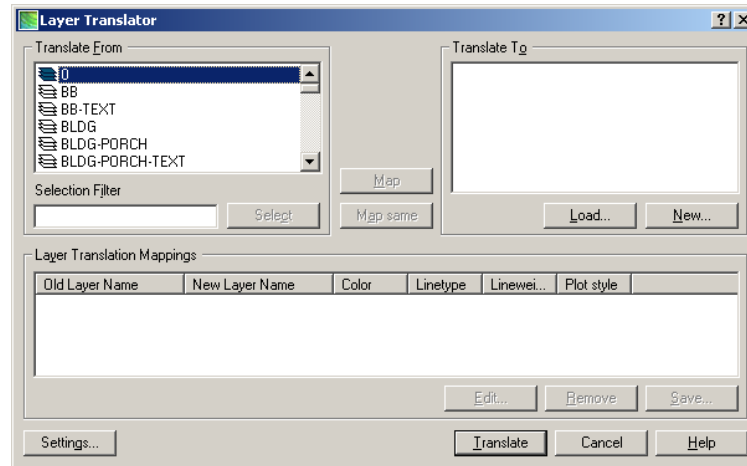
The colors numbered 1-9 and 250-255, which we have been using all along, have not been changed. This was done to minimally impact older drawings when plotting. There will, however, be some changes that must be made to these older drawings. Any layers or entities with colors between 9 & 250 will have to be changed to fit the new pen table assignments. Fortunately, there are only a few colors that fall into that range that were part of our old standard. The alternative is to simply use the old LANCTULLY.ctb pen table that will still be available on your hard drives.

Importing New Layers Into Older Drawings

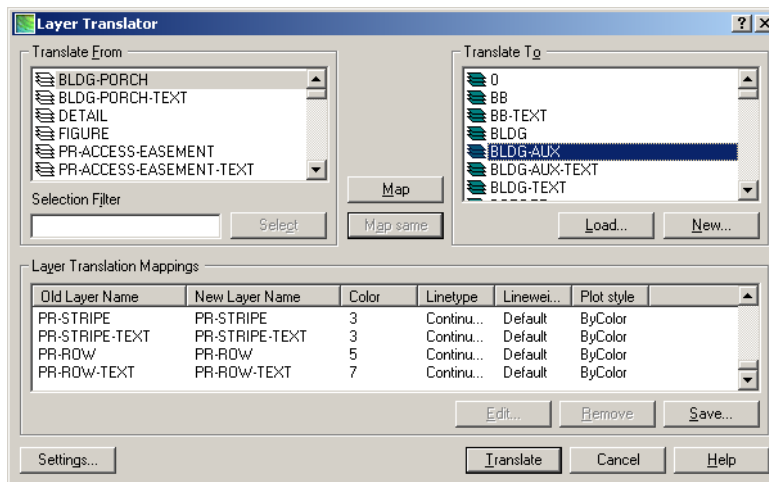
If you insert S:\Drafting Standards\Layers-Design.dwg or S:\Drafting Standards\Layers-Survey.dwg into an existing drawing where the some layers have the same names, the old definition will remain. Those layers must be updated manually then. Use the AutoCAD Express Tools Layer Translator (LAYTRANS command) to assist you in this process. You can minimize the amount of layers you have to convert if you purge out all unused layers before you insert the new layer definitions.

Translating Old Layers To New Layer Definitions

It is impossible to automate layer translation completely due to the creative layer names and structures defined in the past. Some layer names need to be translated manually. AutoCAD Express Tools have a layer translator utility that will help you get your drawings to conform to the current standards. It is actually pretty easy to use. Pick from the Express tools layer menu or “LAYTRANS” at the command line to open the Layer translator dialog box. Load the appropriate drawing standard translation file (.dws extension). Choose either S:\Drafting Standards\ Design Layer Translation.dws or S:\Drafting Standards\ Survey Layer Translation.dws. You will see the Layer Translation Mappings appear in the lower window.



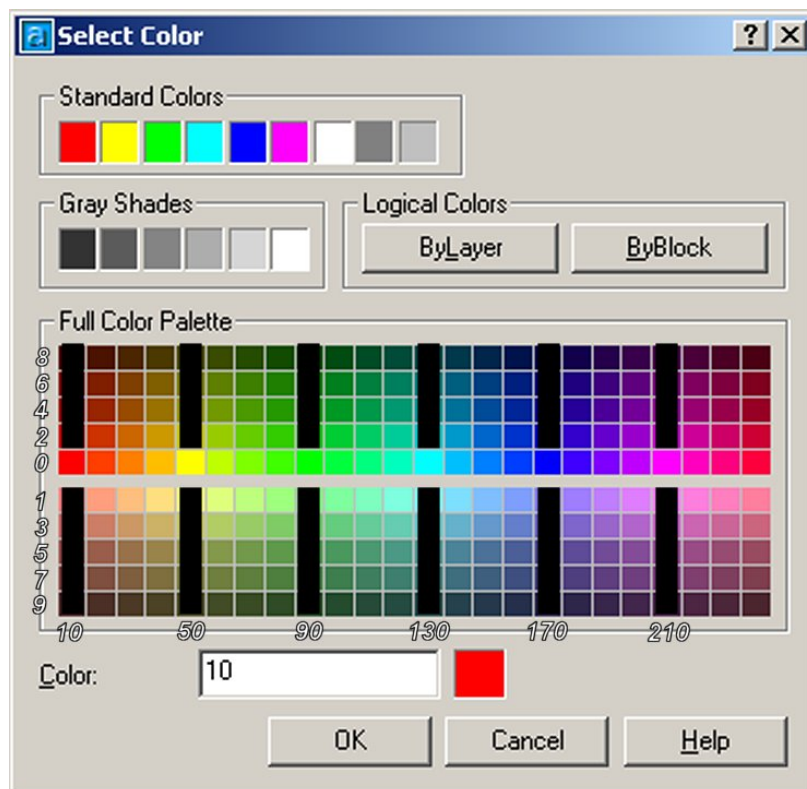
The layer names that remain in the “Translate From” (left side) window, have to be matched to standard layer names in the “Translate To” (right side) window. Most layers matched between old and new standards. I have translated several rarely used proposed layers that didn’t directly cross over to the “PR-MISC” layer. You are finished when no more layer names appear in the left side window or you wish to keep the old layer names as they are. You will still have to change the layer color to conform to the current standard scheme in most cases.



Remember to press the “Translate” button when you are done to update the drawing. Closing the window without doing this will lose the translations and you will have to start over again.

Note: One thing that the translation utility doesn’t do is to update X-ref drawing layer definitions automatically. They must be done separately from within the X-ref drawing directly.

Lanc & Tully Color Palette - 4/28/03



This is the AutoCAD color palette dialog window. I have added blacked out regions on several of the colors in the Full Color Palette area. These blacked out colors represent the extended black layers in the newest Lanc & Tully layer standard. Reference the Plotter Pen Table Assignments to determine plotted lineweights.

The numbers and black shaded areas will not appear on your AutoCAD dialog boxes. They are shown as a cross reference for explanation.

NOTE: This table indicates the color that will be plotted when using the LANCTULLY_03.ctb pen assignment table for the expanded colors. Standard colors 1-9 and grey shades 250-255 are plotted just like they were in the old standard. If you want to plot a drawing containing the older layer settings, you should use LANCTULLY.ctb.

Plot Error Troubleshooting

Since the Plotter Pen Table controls which color and lineweight to plot, it is extremely important to use the correct pen assignment table with its associated layer color scheme. This is set in the plot style table (pen assignments) window on the plot device tab in the plot dialog box.

If you use LANCTULLY_03.ctb with the old layer settings, you will get layers CONT_MNR (color 66) and UP (color 10) plotting in color. Otherwise, most of the drawing will plot correctly.

If you use LANCTULLY.ctb with the new layer settings, you will not get the correct line weights on most colors and several colors may plot in color. Almost all of the color plot layers will plot in black.

Plotter Pen Table Assignments for LANCTULLY_03.ctb						5/16/05	
COLOR HUES	COLOR LAYERS (100% SCREENING) (0.010 WIDTH)	BLACK LAYERS /SCREENING	EXISTING STANDARD LAYERS	SCREEN	WIDTH SETTING	MEASURED WIDTH (1050C)	
RED	10, 20-49	11-19/100%	1	100%	0.018	0.024	
			2	100%	0.022	0.028	
YELLOW	50, 60-89	51-59/100%	3	40%	0.012	0.018	
			4	100%	0.007	0.012	
GREEN	90, 100-129	91-99/100%	5	100%	0.025	0.030	
			6	100%	0.014	0.017	
CYAN	130, 140-169	131-139/100%	7	100%	0.010	0.014	
			8	100%	0.005	0.008	
BLUE	170, 180-209	171-179/100%	9	30%	0.003	0.006	
PURPLE	210,220-249	211-219/50%	EXPANDED LAYERS (BLACK)				
			*1		0.006	0.010	
			*2		0.008	0.012	
			*3		0.010	0.015	
			*4		0.012	0.017	
			*5		0.014	0.019	
			*6		0.020	0.025	
			*7		0.028	0.034	
			*8		0.035	0.040	
			*9		0.042	0.049	

Note: The "Measured Width" is actually the measured size plotted from the 1050c using translucent bond. "Width setting" is what is found in the pen table settings. See attached sheet for pen weight comparison plot.

How To Read This Table

Color 11 will give you a red hue for AutoCAD display, plotted in black with a line width of 0.006 at 100% screening when using the LANCTULLY_03.ctb pen assignment table at plot time. Color 215 will give you a purple hue for AutoCAD display, plotted in black with a line width of 0.014 at 50% screening. For color presentations, Color 10 will give you a reddish hue for AutoCAD display, plotted in that same color with a line width of 0.010 at 100% screening.

Managing With Multiple Standards

There has been a long history of drawings using many "standards" and deviations to those standards. We have managed multiple standards since we started using AutoCAD. Over the past two years, I have seen a decent attempt to conform to the standards by all users. The fast paced customized service we provide to our clients forces us to make some CAD Standard decisions on the fly. Our standards are purposely tailored to be "loose" enough allow flexibility yet structured enough to be easily understood by all users. Although this new standard may seem like a big change, I assure you that it is not. It is merely an adjustment and expansion of our already existing standard. In most cases, it will not be necessary to update older drawings. This standard is to be used for all new drawings/projects or those that have been recently started and lend themselves to easy conversion. I can help answer any questions about which projects and drawings should be updated on a case by case basis.

One area of difficulty will be when you have an older project and wish to add a new drawing. This should not be done using the new drawing templates. You can copy an existing drawing from that project to get all the older standard definitions and go through the drawing setup to set the scale and other drawing parameters or you can use one of the old layer standard templates found in "S:\DRAFTING STANDARDS\Pre-2003 Standards".

Your cooperation and suggestions in making this transition go smoothly are appreciated. Please contact me if you have any questions concerning these standards and procedures or need further clarification.

Thank You,

Tom Hanley

Standard Survey Layers

5/16/05

<u>Layer Name</u>	<u>Description</u>	<u>Color</u>	<u>Linetype</u>
BB	Existing Toe of Bank	7	Continuous
BB-TEXT	Existing Toe of Bank Text	7	Continuous
BLDG	Existing Buildings	2	Continuous
BLDG-AUX	Existing Building Auxiliaries	52	Continuous
BLDG-AUX-TEXT	Existing Building Auxiliaries Text	53	Continuous
BLDG-TEXT	Existing Building Text	53	Continuous
BORDER	Border	5	Continuous
BORDER-TEXT	Border Text	7	Continuous
CL-ROAD	Existing Centerline of Road	91	CENTER2
CL-ROAD-TEXT	Existing Centerline of Road Text	93	Continuous
CONC	Existing Concrete	15	Continuous
CONC-TEXT	Existing Concrete Text	13	Continuous
CONT-MJR	Major Contours	8	DASHED2
CONT-MNR	Minor Contours	8	Continuous
CURB	Existing Curb	51	Continuous
DEEDS	Deeds	4	DASHED
DETAILS	Details	7	Continuous
DITCH	Existing Ditch	4	DIVIDE2
DITCH-TEXT	Existing Ditch Text	133	Continuous
DRAINAGE	Existing Storm Drainage	94	DASHED2
DRAINAGE-TEXT	Existing Drainage Text	93	Continuous
DRIVEWAY	Existing Driveway	7	Continuous
DRIVEWAY-TEXT	Existing Driveway Text	7	Continuous
EASEMENT	Existing Easement	12	HIDDEN2
EASEMENT-TEXT	Existing Easement Text	13	Continuous
ELEC	Existing Electric	14	Continuous
ELEC-TEXT	Existing Electric Text	13	Continuous
EOP	Existing Edge of Pavement	15	Continuous
EOP-TEXT	Existing Edge of Pavement Text	13	Continuous
FENCE	Existing Fence	54	BARBWIRE_1
FENCE-TEXT	Existing Fence Text	53	Continuous
GAS	Existing Gas Main	174	GAS_LINE
GAS-TEXT	Existing Gas Main Text	173	Continuous
GRAVEL	Existing Gravel	7	DASHED2
GRAVEL-TEXT	Existing Gravel Text	7	Continuous
IMAGE	Raster Images Present in Drawing	7	Continuous
LOCATION-MAP	Location Map on Title Sheet	4	Continuous
MONUMENT	Existing Monument or Survey Control Point	55	Continuous
MONUMENT-TEXT	Existing monument or Survey Control Point Text	53	Continuous
NOTES	Notes on Title Sheet	7	Continuous
PL	Existing Property Line	5	PHANTOM
PL-ADJ	Existing Adjacent Property Line	7	Continuous
PL-TEXT	Existing Property Line Text	173	Continuous
SEPTIC	Existing Septic System	54	Continuous
SEPTIC-TEXT	Existing Septic System Text	53	Continuous
SETBACK	Existing Building Setback Line	52	DASHED2
SETBACK-TEXT	Existing Setback Line Text	53	Continuous
SEWER	Existing Sanitary Sewer	54	DIVIDE2
SEWER-TEXT	Existing Sewer Text	53	Continuous
SIGNS	Existing Signs	54	Continuous
SIGNS-TEXT	Existing Signs Text	53	Continuous
SOILS	Existing Soils Classification Lines	3	Continuous
SOILS-TEXT	Existing Soils Classification Lines Text	93	Continuous
SOIL-TEST-DEEP	Location of Deep Soil Test	4	Continuous
SOIL-TEST-DEEP-TEXT	Location of Deep Soil Test Text	133	Continuous
SOIL-TEST-PERC	Location of Perc Soil Test	4	Continuous
SOIL-TEST-PERC-TEXT	Location of Perc Soil Test Text	133	Continuous

SPOT-ELEV	Existing Spot Elevations	7	Continuous
STONE-WALL	Existing Stone Wall	6	STONEWALL
STONE-WALL-TEXT	Existing Stone Wall Text	7	Continuous
STREAMS	Existing Streams	7	DIVIDE2
STREAMS-TEXT	Existing Streams Text	7	Continuous
SW	Existing Sidewalk	7	Continuous
SWALE	Existing Swale	132	DIVIDE2
SWALE-TEXT	Existing Swale-Text	133	Continuous
SW-TEXT	Existing Sidewalk Text	7	Continuous
TB	Existing Top of Bank	7	PHANTOM2
TB-TEXT	Existing Top of Bank Text	7	Continuous
TRAV	Existing Traverse	1	DASHED
TREELINE	Existing Treeline	91	TREELINE_R
TREES	Existing Trees	91	Continuous
TREES-TEXT	Existing Trees-Text	93	Continuous
UP	Existing Utility Poles and Lines	172	DIVIDE
UP-TEXT	Existing Utility Pole Text	173	Continuous
VP	Viewport for Paperspace (NoPlot)	1	Continuous
WALL	Existing Wall	175	Continuous
WALL-TEXT	Existing Wall Text	173	Continuous
WELL	Existing Well	134	Continuous
WELL-TEXT	Existing Well Text	133	Continuous
WETLAND-BUFFER	Existing Wetland Buffer	135	DASHED2
WETLAND-BUFFER-TEXT	Existing Wetland Buffer Text	132	Continuous
WETLAND-DEC	Existing DEC Wetland	132	CENTER2
WETLAND-DEC-HATCH	Existing DEC Wetland Hatch	131	Continuous
WETLAND-DEC-TEXT	Existing DEC Wetland Text	133	Continuous
WETLAND-FED	Existing Federal Wetland	134	CENTER2
WETLAND-FED-HATCH	Existing Federal Wetland Hatch	8	Continuous
WETLAND-FED-TEXT	Existing Federal Wetland Text	133	Continuous
WM	Existing Water Main	4	WATER
WM-BR	Existing Water Main Branch	132	WATER
WM-TEXT	Existing Water Main Text	133	Continuous
XREF	Xrefed Drawings Present in Drawing	7	Continuous
ZONE	Zoning District Boundary Line	91	Continuous
ZONE-TEXT	Zoning District Boundary Line Text	93	Continuous

Standard Design Layers

5/16/05

<u>Xref Layers</u>	<u>Description</u>	<u>Color</u>	<u>Linetype</u>
* BB	Existing Toe of Bank	8	Continuous
* BB-TEXT	Existing Toe of Bank Text	8	Continuous
* BLDG	Existing Buildings	8	Continuous
* BLDG-AUX	Existing Building Auxiliaries	8	Continuous
* BLDG-AUX-TEXT	Existing Building Auxiliaries Text	8	Continuous
* BLDG-TEXT	Existing Building Text	8	Continuous
* BORDER	Border	8	Continuous
* BORDER-TEXT	Border Text	8	Continuous
* CL-ROAD	Existing Centerline of Road	8	CENTER2
* CL-ROAD-TEXT	Existing Centerline of Road Text	8	Continuous
* CONC	Existing Concrete	8	Continuous
* CONC-TEXT	Existing Concrete Text	8	Continuous
* CONT-MJR	Major Contours	8	DASHED2
* CONT-MNR	Minor Contours	8	Continuous
* CURB	Existing Curb	8	Continuous
* DEEDS	Deeds	8	DASHED
* DETAILS	Details	8	Continuous
* DITCH	Existing Ditch	8	DIVIDE2
* DITCH-TEXT	Existing Ditch Text	8	Continuous
* DRAINAGE	Existing Storm Drainage	8	DASHED2
* DRAINAGE-TEXT	Existing Drainage Text	8	Continuous
* DRIVEWAY	Existing Driveway	8	Continuous
* DRIVEWAY-TEXT	Existing Driveway Text	8	Continuous
* EASEMENT	Existing Easement	8	HIDDEN2
* EASEMENT-TEXT	Existing Easement Text	8	Continuous
* ELEC	Existing Electric	8	Continuous
* ELEC-TEXT	Existing Electric Text	8	Continuous
* EOP	Existing Edge of Pavement	8	Continuous
* EOP-TEXT	Existing Edge of Pavement Text	8	Continuous
* FENCE	Existing Fence	8	BARBWIRE_1
* FENCE-TEXT	Existing Fence Text	8	Continuous
* GAS	Existing Gas Main	8	GAS_LINE
* GAS-TEXT	Existing Gas Main Text	8	Continuous
* GRAVEL	Existing Gravel	8	DASHED2
* GRAVEL-TEXT	Existing Gravel Text	8	Continuous
* IMAGE	Raster Images Present in Drawing	8	Continuous
* LOCATION-MAP	Location Map on Title Sheet	8	Continuous
* MONUMENT	Existing Monument or Survey Control Point	8	Continuous
* MONUMENT-TEXT	Existing Monument or Survey Control Point Text	8	Continuous
* NOTES	Notes on Title Sheet	8	Continuous
* PL	Existing Property Line	5	PHANTOM
* PL-ADJ	Existing Adjacent Property Line	7	Continuous
* PL-TEXT	Existing Property Line Text	173	Continuous
* SEPTIC	Existing Septic System	8	Continuous
* SEPTIC-TEXT	Existing Septic System Text	8	Continuous
* SETBACK	Existing Building Setback Line	8	DASHED2
* SETBACK-TEXT	Existing Setback Line Text	8	Continuous
* SEWER	Existing Sanitary Sewer	8	DIVIDE2
* SEWER-TEXT	Existing Sewer Text	8	Continuous
* SIGNS	Existing Signs	8	Continuous
* SIGNS-TEXT	Existing Signs Text	8	Continuous

* SOILS	Existing Soils Classification Lines	3	Continuous
* SOILS-TEXT	Existing Soils Classification Lines Text	93	Continuous
* SOIL-TEST-DEEP	Location of Deep Soil Test	4	Continuous
* SOIL-TEST-DEEP-TEXT	Location of Deep Soil Test Text	133	Continuous
* SOIL-TEST-PERC	Location of Perc Soil Test	4	Continuous
* SOIL-TEST-PERC-TEXT	Location of Perc Soil Test Text	133	Continuous
* SPOT-ELEV	Existing Spot Elevations	8	Continuous
* STONE-WALL	Existing Stone Wall	8	STONEWALL
* STONE-WALL-TEXT	Existing Stone Wall Text	8	Continuous
* STREAMS	Existing Streams	8	DIVIDE2
* STREAMS-TEXT	Existing Streams Text	8	Continuous
* SW	Existing Sidewalk	8	Continuous
* SWALE	Existing Swale	8	DIVIDE2
* SWALE-TEXT	Existing Swale-Text	8	Continuous
* SW-TEXT	Existing Sidewalk Text	8	Continuous
* TB	Existing Top of Bank	8	PHANTOM2
* TB-TEXT	Existing Top of Bank Text	8	Continuous
* TRAV	Existing Traverse	8	DASHED
* TREELINE	Existing Treeline	8	TREELINE_R
* TREES	Existing Trees	8	Continuous
* TREES-TEXT	Existing Trees-Text	8	Continuous
* UP	Existing Utility Poles and Lines	8	DIVIDE
* UP-TEXT	Existing Utility Pole Text	8	Continuous
* VP	Viewport for Paperspace (NoPlot)	8	Continuous
* WALL	Existing Wall	8	Continuous
* WALL-TEXT	Existing Wall Text	8	Continuous
* WELL	Existing Well	8	Continuous
* WELL-TEXT	Existing Well Text	8	Continuous
* WETLAND-BUFFER	Existing Wetland Buffer	135	DASHED2
* WETLAND-BUFFER-TEXT	Existing Wetland Buffer Text	132	Continuous
* WETLAND-DEC	Existing DEC Wetland	132	CENTER2
* WETLAND-DEC-HATCH	Existing DEC Wetland Hatch	131	Continuous
* WETLAND-DEC-TEXT	Existing DEC Wetland Text	133	Continuous
* WETLAND-FED	Existing Federal Wetland	134	CENTER2
* WETLAND-FED-HATCH	Existing Federal Wetland Hatch	8	Continuous
* WETLAND-FED-TEXT	Existing Federal Wetland Text	133	Continuous
* WM	Existing Water Main	8	WATER
* WM-BR	Existing Water Main Branch	8	WATER
* WM-TEXT	Existing Water Main Text	8	Continuous
* XREF	Xrefed Drawings Present in Drawing	8	Continuous
* ZONE	Zoning District Boundary Line	8	Continuous
* ZONE-TEXT	Zoning District Boundary Line Text	8	Continuous

Design Layers

	<u>Description</u>	<u>Color</u>	<u>Linetype</u>
BB	Existing Toe of Bank	8	Continuous
BB-TEXT	Existing Toe of Bank Text	8	Continuous
BLDG	Existing Buildings	8	Continuous
BLDG-AUX	Existing Building Auxiliaries	8	Continuous
BLDG-AUX-TEXT	Existing Building Auxiliaries Text	8	Continuous
BLDG-TEXT	Existing Building Text	8	Continuous
BORDER	Border	5	Continuous
BORDER-TEXT	Border Text	7	Continuous
CL-ROAD	Existing Centerline of Road	8	CENTER2
CL-ROAD-TEXT	Existing Centerline of Road Text	8	Continuous
CONC	Existing Concrete	8	Continuous

CONC-TEXT	Existing Concrete Text	8	Continuous
CONT-MJR	Major Contours	8	DASHED2
CONT-MNR	Minor Contours	8	Continuous
CURB	Existing Curb	8	Continuous
DEEDS	Deeds	4	DASHED
DETAILS	Details	7	Continuous
DITCH	Existing Ditch	8	DIVIDE2
DITCH-TEXT	Existing Ditch Text	8	Continuous
DRAINAGE	Existing Storm Drainage	8	DASHED2
DRAINAGE-TEXT	Existing Drainage Text	8	Continuous
DRIVEWAY	Existing Driveway	8	Continuous
DRIVEWAY-TEXT	Existing Driveway Text	8	Continuous
EASEMENT	Existing Easement	8	HIDDEN2
EASEMENT-TEXT	Existing Easement Text	8	Continuous
ELEC	Existing Electric	8	Continuous
ELEC-TEXT	Existing Electric Text	8	Continuous
EOP	Existing Edge of Pavement	8	Continuous
EOP-TEXT	Existing Edge of Pavement Text	8	Continuous
FENCE	Existing Fence	8	BARBWIRE_1
FENCE-TEXT	Existing Fence Text	8	Continuous
GAS	Existing Gas Main	8	GAS_LINE
GAS-TEXT	Existing Gas Main Text	8	Continuous
GRAVEL	Existing Gravel	8	DASHED2
GRAVEL-TEXT	Existing Gravel Text	8	Continuous
IMAGE	Raster Images Present in Drawing	7	Continuous
LOCATION-MAP	Location Map on Title Sheet	4	Continuous
MONUMENT	Existing Monument or Survey Control Point	8	Continuous
MONUMENT-TEXT	Existing Monument or Survey Control Point Text	8	Continuous
NOTES	Notes on Title Sheet	7	Continuous
PL	Existing Property Line	5	PHANTOM
PL-ADJ	Existing Adjacent Property Line	7	Continuous
PL-TEXT	Existing Property Line Text	173	Continuous
PR-BLDG	Proposed Buildings	2	Continuous
PR-BLDG-AUX	Proposed Building Auxiliaries	52	Continuous
PR-BLDG-AUX-TEXT	Proposed Building Auxiliaries Text	53	Continuous
PR-BLDG-TEXT	Proposed Buildings Text	53	Continuous
PR-CL-ROAD	Proposed Road Centerline	91	CENTER2
PR-CL-ROAD-TEXT	Proposed Road Centerline Text	93	Continuous
PR-CONC	Proposed Concrete	15	Continuous
PR-CONC-TEXT	Proposed Concrete Text	13	Continuous
PR-CURB	Proposed Back of Curb	51	Continuous
PR-DRAINAGE	Proposed Storm Drainage	94	DASHED2
PR-DRAINAGE-TEXT	Proposed Drainage Text	93	Continuous
PR-DRIVEWAY	Proposed Driveway	7	Continuous
PR-DRIVEWAY-TEXT	Proposed Driveway Text	7	Continuous
PR-EASEMENT	Proposed Easement	12	HIDDEN2
PR-EASEMENT-TEXT	Proposed Easement Text	13	Continuous
PR-ELEC	Proposed Electric	14	Continuous
PR-ELEC-TEXT	Proposed Electric Text	13	Continuous
PR-EOP	Proposed Edge of Pavement	15	Continuous
PR-EOP-TEXT	Proposed Edge of Pavement Text	13	Continuous
PR-FENCE	Proposed Fence	54	BARBWIRE_1
PR-FENCE-TEXT	Proposed Fence Text	53	Continuous
PR-FG-MJR	Proposed Finished Grade Major Contour	6	DASHED2

PR-FG-MJR-TEXT	Proposed Finished Grade Major Contour Text	7	Continuous
PR-FG-MNR	Proposed Finished Grade Minor Contour	6	Continuous
PR-FG-MNR-TEXT	Proposed Finished Grade Minor Contour Text	7	Continuous
PR-GAS	Proposed Gas Main	174	GAS_LINE
PR-GAS-TEXT	Proposed Gas Main Text	173	Continuous
PR-GRAVEL	Proposed Gravel	7	DASHED2
PR-GRAVEL-TEXT	Proposed Gravel Text	7	Continuous
PR-LANDSCAPE	Proposed Landscaping	91	Continuous
PR-LANDSCAPE-TEXT	Proposed Landscaping Text	7	Continuous
PR-LOT	Proposed Interior Lot Lines	2	Continuous
PR-LOT-TXT	Proposed Interior Lot Lines Text	7	Continuous
PR-MONUMENT	Proposed Monument	55	Continuous
PR-MONUMENT-TEXT	Proposed Monument Text	53	Continuous
PR-PL	Proposed Property Line	5	PHANTOM
PR-PL-TEXT	Proposed Property Line Text	173	Continuous
PR-ROW	Proposed ROW	5	Continuous
PR-ROW-TEXT	Proposed ROW Text	7	Continuous
PR-SEPTIC	Proposed Septic System	54	Continuous
PR-SEPTIC-TEXT	Proposed Septic System Text	53	Continuous
PR-SETBACK	Proposed Building Setback	52	DASHED2
PR-SETBACK-TEXT	Proposed Building Setback Text	53	Continuous
PR-SEWER	Proposed Sanitary Sewer	54	DIVIDE2
PR-SEWER-TEXT	Proposed Sewer Text	53	Continuous
PR-SIGNS	Proposed Signs	54	Continuous
PR-SIGNS-TEXT	Proposed Signs Text	53	Continuous
PR-SPOT-ELEV	Proposed Spot Elevations	7	Continuous
PR-STRIPE	Proposed Parking Striping	91	Continuous
PR-STRIPE-TEXT	Proposed Parking Striping Text	91	Continuous
PR-SW	Proposed Sidewalk	7	Continuous
PR-SWALE	Proposed Swale	132	DIVIDE2
PR-SWALE-TEXT	Proposed Swale Text	133	Continuous
PR-SW-TEXT	Proposed Sidewalk Text	7	Continuous
PR-UP	Proposed Utility Pole	172	DIVIDE
PR-UP-TEXT	Proposed Utility Pole Text	173	Continuous
PR-WALL	Proposed Wall	175	Continuous
PR-WALL-TEXT	Proposed Wall Text	173	Continuous
PR-WELL	Proposed Well	134	Continuous
PR-WELL-TEXT	Proposed Well Text	133	Continuous
PR-WM	Proposed Water Main	4	WATER
PR-WM-BR	Proposed Water Main Branch	132	WATER
PR-WM-TEXT	Proposed Water Main Text	133	Continuous
SEPTIC	Existing Septic System	8	Continuous
SEPTIC-TEXT	Existing Septic System Text	8	Continuous
SETBACK	Existing Building Setback Line	8	DASHED2
SETBACK-TEXT	Existing Setback Line Text	8	Continuous
SEWER	Existing Sanitary Sewer	8	CENTER2
SEWER-TEXT	Existing Sewer Text	8	Continuous
SIGNS	Existing Signs	8	Continuous
SIGNS-TEXT	Existing Signs Text	8	Continuous
SOILS	Existing Soils Classification Lines	3	Continuous
SOILS-TEXT	Existing Soils Classification Text	93	
SOIL-TEST-TEXT	Soil Test Locations Text	93	Continuous
SOIL-TEST-DEEP	Location of Deep Soil Test	4	Continuous
SOIL-TEST-DEEP-TEXT	Location of Deep Soil Test Text	133	Continuous

SOIL-TEST-PERC	Location of Perc Soil Test	4	Continuous
SOIL-TEST-PERC-TEXT	Location of Perc Soil Test Text	133	Continuous
SPOT-ELEV	Existing Spot Elevations	7	Continuous
STONE-WALL	Existing Stone Wall	8	STONEWALL
STONE-WALL-TEXT	Existing Stone Wall Text	8	Continuous
STREAMS	Existing Streams	8	DIVIDE2
STREAMS-TEXT	Existing Streams Text	8	Continuous
SW	Existing Sidewalk	8	Continuous
SWALE	Existing Swale	8	DIVIDE2
SWALE-TEXT	Existing Swale-Text	8	Continuous
SW-TEXT	Existing Sidewalk Text	8	Continuous
TB	Existing Top of Bank	8	PHANTOM2
TB-TEXT	Existing Top of Bank Text	8	Continuous
TRAV	Existing Traverse	1	DASHED
TREELINE	Existing Treeline	8	TREELINE_R
TREES	Existing Trees	8	Continuous
TREES-TEXT	Existing Trees-Text	8	Continuous
UP	Existing Utility Poles and Lines	8	DIVIDE
UP-TEXT	Existing Utility Pole Text	8	Continuous
VP	Viewport for Paperspace (No Plot)	1	Continuous
WALL	Existing Wall	8	Continuous
WALL-TEXT	Existing Wall Text	8	Continuous
WELL	Existing Well	8	Continuous
WELL-TEXT	Existing Well Text	8	Continuous
WETLAND-BUFFER	Existing Wetland Buffer	135	DASHED2
WETLAND-BUFFER-TEXT	Existing Wetland Buffer Text	132	Continuous
WETLAND-DEC	Existing DEC Wetland	132	CENTER2
WETLAND-DEC-HATCH	Existing DEC Wetland Hatch	131	Continuous
WETLAND-DEC-TEXT	Existing DEC Wetland Text	133	Continuous
WETLAND-FED	Existing Federal Wetland	134	CENTER2
WETLAND-FED-HATCH	Existing Federal Wetland Hatch	8	Continuous
WETLAND-FED-TEXT	Existing Federal Wetland Text	133	Continuous
WM	Existing Water Main	8	WATER
WM-BR	Existing Water Main Branch	8	WATER
WM-TEXT	Existing Water Main Text	8	Continuous
XREF	Xrefed Drawings Present in Drawing	7	Continuous
ZONE	Zoning District Boundary Line	91	Continuous
ZONE-TEXT	Zoning District Boundary Line Text	93	Continuous

Pen Weight Comparison Plot

