

### **DESIGN AUTOMATION BULLETIN 2019-01**

### **SUBJECT:** Existing Wetlands Linestyle

DATE: October 30, 2019

In an effort to improve the legibility of the "wetlands" linestyle for permitting reviews and construction, the "wetlands" linestyle depicted on the roadway construction plans should no longer be dithered with the existing surveyed topographical information.

The "wetlands" linestyle will now be placed on the newly created level RD\_EV\_EX\_Wetlands for all new projects to minimize the amount of manual plotting adjustments. See Attachment. For existing projects, the designer can manually move the wetlands to the new level or add a command script to the project pen table to ensure the linestyle is not dithered and is set to a weight of 2.

The Cadd Design workspace files (RoadDesignLN.dgnlib and scdotV8.smd) have been updated on the internal network server. Externally, consultants can download the DGN Libraries and Geopak Survey (smd) \*.zip files found on the Cadd Design webpage under the Business portion of the Department's internet website, www.scdot.org.

Effective Immediately

Iris Neal. P.E. **Design Automation Engineer** 

IFN

Attachment ec: John Boylston, Director of Preconstruction Robbie Isgett, Director of Construction David Cook, Director of Maintenance Chad Long, Director of Environmental Robert Perry, Director of Traffic Engineering Ladd Gibson, Director of Mega Projects Michael Barbee, Director of Rights of Way

File:PC/IFN

**Effective Date** 

Jennifer Necker, RPG Engineer - Lowcountry Leah Quattlebaum, RPG Engineer – Pee Dee Philip Sandel, RPG Engineer - Midlands Julie Barker, RPG Engineer – Upstate Chris Gaskins, RPG Engineer - Design Build Tad Kitowicz, FHWA Operations Engineer Henry Shumpert, Surveys Manager



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# DESIGN AUTOMATION BULLETIN 2019-1

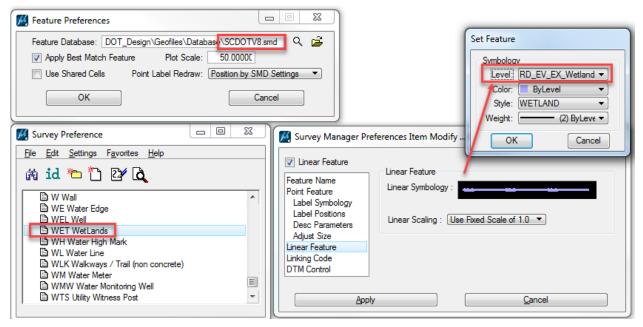
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### **Examples of Existing Wetlands Linestyle**

New Level – RD\_EV\_EX\_Wetlands was created to assist designers with simplifying plotting of wetland linestyles without the need for continuous pen table manipulation.

Levels Filter Edit						
🥯 All Levels						
Filters						
-> Bridge	RD_EV_TX	1300	Environmental Text for Plan Sheets	250	(	) ——— (
-> Cross Section - Criteria	RD_EV_JDitch	1301	Environmental Jurisdictional Ditch	251	EVS_JD	
-> Cross Section Text	RD_EV_ESA	1302	Environmental Environmental Sensitive Area	24	EVS_ESA	
-> DDB GPK Levels	RD_EV_Hatch	1303	Environmental Hatch patterns	32	(	) ——
-> Drainage - HY	RD_EV_JW	1304	Environmental Jurisdictional Wetlands	79	EVS_EJW	
-> DTM Levels	RD_EV_JTrib	1305	Environmental Jurisdictional Tributary	231	EVS_EJT	
-> Environmental	RD_EV_JFlag	1306	Environmental Located Flag Numbers	251	(	) ———
-> Erosion Control	RD_EV_TNW	1307	Environmental Traditionally Navigable Water/OCRM Critical Area	141	EVS_TNW	
	RD_EV_OWater	1308	Environmental Open Water Within Jurisdictional Area	=	EVS_OW	
-> Existing Topo	RD_EV_Shades	1309	Environmental Color fills	24	(	) ——
-> Geotechnical	RD_EV_TxCode	1310	Environmental Survey Code Data & Text	0	(	) ———
-> Horiz Control-Location	RD_EV_Working	1311	Environmental Non-Plotting Working Level	175	(	) ———
-> Proposed Design	RD_EV_Ditch	1312	Environmental Non-Regulated Ditch	36	:	3
Public Involvement Meetings	RD_EV_OrangeFence	1313	Environmental Orange Fence	132		,
-	RD_EV_EX_Wetlands	1314	Environmental Existing Surveyed Wetlands	189	WETLAND	
-> Quantities -> Sheet Text Levels						
-> SUE-Sub Surface Utilities						
— Text Code Survey Elevation						

The SMD file was also updated so that new projects will draw the properly coded wetlands lines on the correct level:



Example script for existing pen tables: (add this after any RD\_EX\* commands)

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