

CADD Standards

Environmental_Wetlands.dgn –Base Maps

July 2013

The MicroStation base maps have been updated to work with annotation scale and geographic coordinate systems (GCS). The NDDOT wetland database is maintained with ESRI (ArcMap) and it is exported to the following MicroStation wetland drawing by the environmental section.

R:\project\BaseMaps\Projected Coordinate Systems\Environmental_Wetlands.dgn

Designers should reference this drawing using the GCS tools within MicroStation. The appropriate project wetlands should be copied into the designer's wetland drawing (Wetland_Impacts.dgn). See Also Wetland_Impact guidance.

http://www.dot.nd.gov/manuals/design/caddmanual/AppendixQ/Wetland_Impacts_dgn.pdf

The drawings in the “base map” directory change over time because additional wetland delineation information is added for new projects. Project drawings should not be edited after they are signed and sealed even if the changes are not within the viewable limits. Copying wetlands to project files preserves a static copy.

Creating a copy of the wetlands for designers can also expedite and simplify plan production work. Information that is a considerable distance from the project limits can be deleted (Example you might not need delineation information on Hwy 281 if you are working on Hwy 20). Cross sections can be processed quicker if Geopak doesn't have to read about wetlands that are not directly related to the project limits.

As designers copy wetland information, they need to assure the copy will be updated if updates occur in the original map and are within their project limits.