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## Memorandum

To: Distribution

From: Damian Krings, P.E., Road Design Engineer  
Mark Goodman, P.E., Hydraulics Engineer

Date: March 27, 2007

Subject: CADD Procedure for Incorporating Hydraulic Details  
into the Road Design Plan Set

The following is a new standard CADD procedure for road designers to use to incorporate Hydraulic CADD (MicroStation) Details into the Road Design Plans.

1. When a Hydraulic CADD (Microstation) detail is included in the Hydraulic Recommendations for a project, download a view copy of the Hydraulic CADD (Microstation) detail file from the DMS.
2. Copy the Hydraulic CADD (Microstation) detail file and rename the file to the Road Design Area.
3. Open the file in MicroStation, turn on all levels, and delete all elements in the file.
4. Coincidentally reference the Hydraulic CADD (Microstation) detail file using the MTHY path to obtain the file from the DMS.
5. Add the appropriate sheet number.
6. Place the copied file on the DMS when complete.

The only active element in this file will be the sheet number. The procedure should eliminate problems associated with referencing and retaining any level symbology (gray scaling) included in the CADD file created by the Hydraulics Section. A macro will be developed by the CADD section at a later date to perform this function.

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