



TITLE SHEET – MICROSTATION (ENHANCED)

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Overview

Development of a Utility Plan Title sheet in the Microstation Enhanced workspace.

Process Provenance

- Date of development: N/A
- Revision date: N/A
- Application/Tool(s): *MicroStation V8i SS10 / Power GEOPAK V8i SS10*
- Version(s): N/A
- Environment(s): *OpenRoads (Enhanced) Workspace*
- Author: [MDT EngOps Workflow Steering Committee](#)

Statement of Need








This process develops a sheet that is a part of the Utility plans which play a vital role in moving MDT Highway projects toward completion.

Process Description and Examples

Section I. Title Sheet Creation

Procedure

1. Download the title sheet from the RD workgroup in DMS usually named 1234000RDTTL001.
2. Download the title sheet from the RO workgroup in DMS usually named 1234000ROTTL001.
3. Create a new UT Title sheet from the UT Seed files found at ..\CaddStdOR\SEED\UT_Plans (ex. 1234000UTTTL001.DGN).
4. In 'Active file' 'View Attributes', ensure Level Overrides are turned on.
5. In 'Reference' 'Settings' 'Level Manager', choose the active file, ensure all style and weight attributes to off, all color attributes to 0 except as follows:

Name	Number	Color
S_BOT_UT_TITLE Legend Gas	10608	 56
S_BOT_UT_TITLE Legend Power	10606	 3
S_BOT_UT_TITLE Legend San Sewer	10611	 2
S_BOT_UT_TITLE Legend Telephone	10607	 54
S_BOT_UT_TITLE Legend TV	10609	 5
S_BOT_UT_TITLE Legend Water	10610	 1
S_BOT_UT_TITLE Wetland Hatch	10603	 40

6. Attach RO Title Sheet as a reference.
 - Within the Reference dialog, choose “Tools”, “Attach”
 - Within the Attach Reference dialog, select the RO Title Sheet, then choose “Open”.
 - Insert ROTTL-1 as the logical name
 - Select “Coincident – World” from the orientation options. Adjust Nested Attachments option to “Copy Attachments”, then choose “OK”.
 - Select each occurrence of “REF1”, then choose “Tools”, “Detach”.

- Check reference prefixes and fix as needed or use the reference macro.
7. Clip boundary for the RO Title Sheet reference file.
 - Within the Reference dialog, select the ROTTL-1 reference file, then choose “Tools”, “Clip Boundary”, set clip method to “Element”, then accept the pink shape outlining the Associated Projects and Map Revision dates.
 8. Attach RD Title Sheet as a reference.
 - Within the Reference dialog, choose “Tools”, “Attach”
 - Within the Attach Reference dialog, select the RD Title Sheet, then choose “Open”.
 - Insert RDTTL-3 as the logical name (Note: RDTTL-1 and RDTTL-2 were copied from the RO Title Sheet in the steps above.)
 - Select “Coincident – World” from the orientation options. Adjust Nested Attachments option to “No Nesting”, then choose “OK”.
 - Within the Reference dialog, select the RDTTL-3 reference file, then choose “Tools”, “Clip Boundary”, set clip method to “Element”, then accept the pink shape outlining the design data in the upper right corner.
 - Check reference prefixes and fix as needed or use the reference macro.
 9. Run the Active File Settings macro to fill in the data for the title sheet for the main title area under MONTANA DEPARTMENT OF TRANSPORTATION. Use the data field text editor to move text as needed and fill in the Federal Aid Project Name on the first line, Work Location on the second line, and County on the bottom line. Project name, project UPN, project number, and sheet number fields for the bottom of all pages will be labeled with the Plan Sheets CPB Labeler macro after all sheets have been created; see [MDT Plan Sheets CPB Labler.pdf](#) for help using the Plan Sheets CPB Labeler. Delete the cell placed in the upper right sheet corner for traffic data if either of these macros is used to label the title sheet.
 10. Ensure the proper north arrow from the RD Title sheet is shown or add one from the cell library.
 11. In ‘Reference’ ‘Settings’ ‘Level Manager’, set the color to 0, line weight and symbology override to off in RDTTL-1, RDTTL-2, RDTTL-3, ROTTL-1 and the active file.