

TITLE SHEET – MICROSTATION (LEGACY)

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Overview

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

Process Provenance

- Date of development: N/A
- Revision date: N/A
- Application/Tool(s): *MicroStation V8i SS10*
- Version(s): N/A
- Environment(s): *GEOPAK (Legacy) Workspace*
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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. Copy this file to the c:\dgn\ref directory for referencing.
2. Download the title sheet from the RO workgroup in DMS usually named 1234000ROTTL001. Copy this file to the c:\dgn\ref directory for referencing.
3. Open RD Title sheet, save it as UT title sheet (ex. 1234000UTTTL001.DGN)
 - Place a fence around all elements in the file, delete the active elements, then compress the file.
4. Attach UTILITYV8_0.tbl (color table), UTILITYV8_0E.cel (cell library) from <ftp://ftp.mdt.mt.gov/caddstd/WORKGROUP/UTSTD/>.
5. In 'Active file' 'View Attributes', turn on Level Overrides.
6. In 'Reference' 'Settings' 'Level Display', choose MTSTD:PLANE.REF, set filter to UTTTL.
7. In 'Reference' 'Settings' 'Level Manager', choose MTSTD:PLANE.REF, set 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	 6
S_BOT_UT_TITLE Legend TV	10609	 5
S_BOT_UT_TITLE Legend Water	10610	 1
S_BOT_UT_TITLE Wetland Hatch	10603	 40

8. 'Clip Mask' the text in the design data box in the upper right corner from MTSTD:PLANE.REF.
9. Turn off levels designating "Scales" and "Title North Arrow" in MTSTD:PLANE REF.

10. Attach RD Title Sheet as a reference with RDTTL-1 as the logical name.
11. Copy the project location arrow into the active file.
12. Clip boundary around the county map and related project information. Move as necessary to display properly.
13. Attach RD Title Sheet as a reference with RDTTL-2 as the logical name.
14. Clip boundary around RDTTL-2 to display only the design data in the upper right corner.
15. Attach RO Title Sheet as a reference with ROTTTL-1.
16. Clip boundary around ROTTTL-1 to show data for associated projects, map revised and FHWA/MDT approval boxes.
17. Attach cell “STDSHTDF” from cell library. It is inserted at XY=50000, 50000.
18. Fill in the data for the project information. This cell contains the county name, project name, project UPN, project number, scale factor and sheet number data fields for the bottom of the pages.
19. Attach cell “TTLSHTDF” from cell library. It is inserted at XY=50000, 50000.
20. Fill in the data for the title sheet. This cell contains the county name, project name, project number and project length data fields for the main title area under MONTANA DEPARTMENT OF TRANSPORTATION.
21. In ‘Reference’ ‘Settings’ ‘Level Manager’, set the color to 0, line weight and symbology override to off in RDTTL-1, RDTTL-2, ROTTTL-1 and the active file.