

**Application Support Guide**

Application/Tool(s): MicroStation V8i SS10 / Power GEOPAK V8i SS10  
Version(s): 08.11.09.916 / 08.11.09.918  
Environment(s): OpenRoads (Enhanced) Workspace  
Released/Revised: 2/15/2022

# MDT MAPS - WMS IMAGE DISPLAY

**ISSUE:**

Web Mapping Services (WMS) imagery can be displayed in design files using the MDT Maps macro. MDT Maps attaches a base map from CADD Standards having web mapping services attached by way of an .xwms file. A user may encounter situations where this imagery displays/prints with a pattern of red crosses, doesn't display at all or displays/prints shifted.

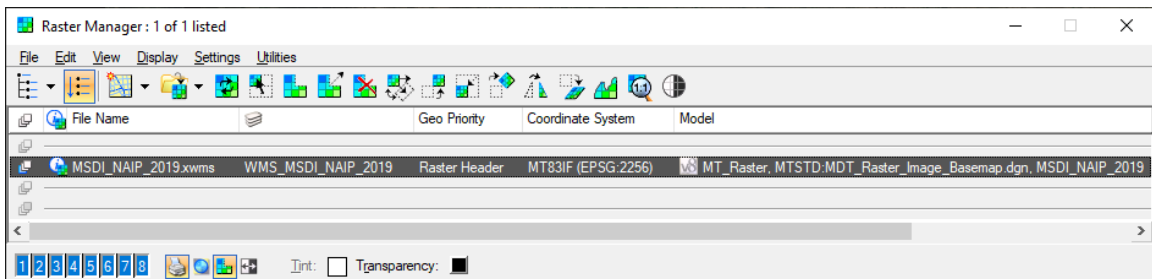


## SOLUTION:

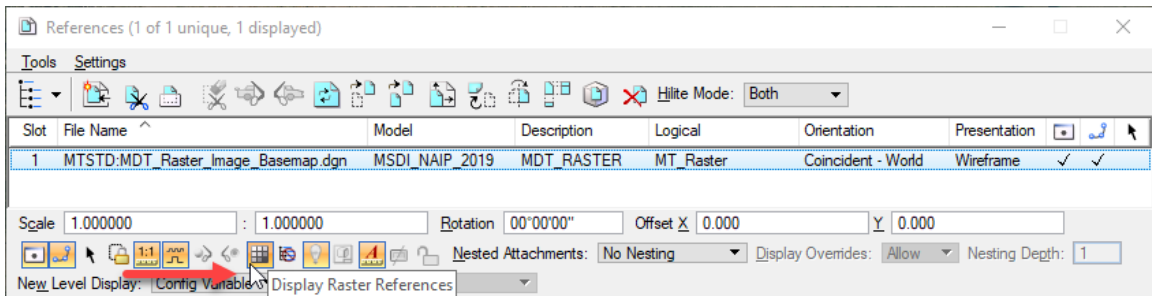
Web mapping services displaying with a pattern of red crosses in place of the expected imagery indicates a server connection error. Please submit a [Support Request](#) to correct this problem.

For web mapping services not displaying at all, review the following items:

- The Raster Manager will list all raster files, including .xwms, attached directly to the design file or displayed through from a reference file if the reference file display is on. Ensure there are no errors present. Errors will display in red.



- Turn on the **Display Raster References** setting from the References dialog for raster attachments displayed through from a reference file.

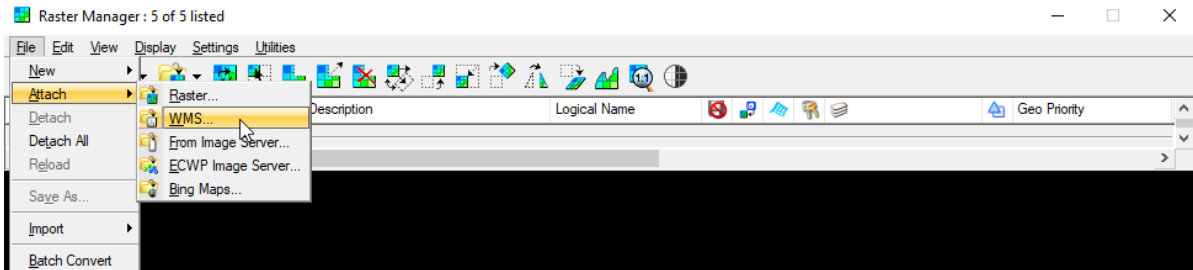


Web mapping services displaying shifted may be due to how the .xwms file is attached in relationship to the coordinate system. Ensure any .xwms file attached directly to a design file is attached properly.

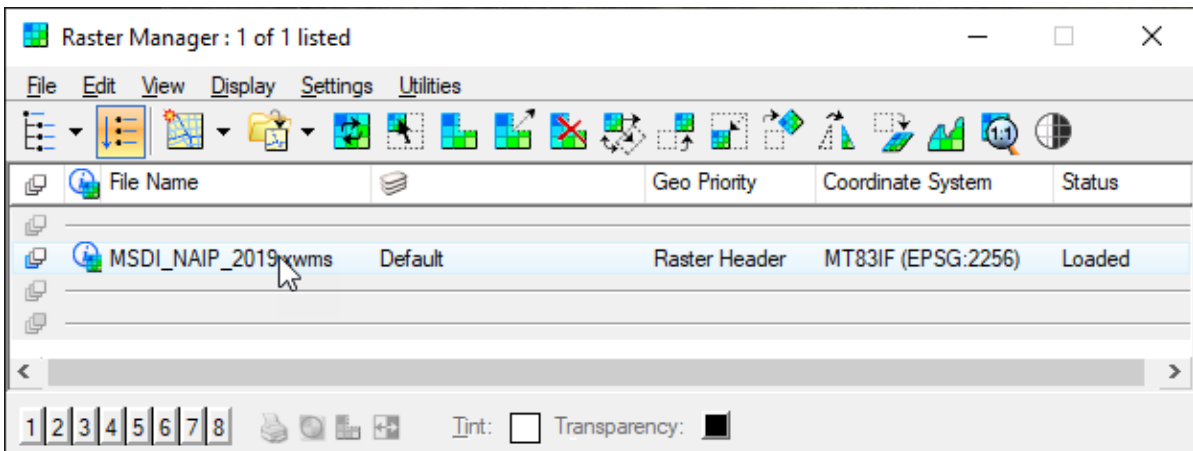
Procedures for attaching the .xwms files saved in the MDT OpenRoads (Enhanced) workspace without using the MDT Maps macro are as follows:

## PROCEDURE:

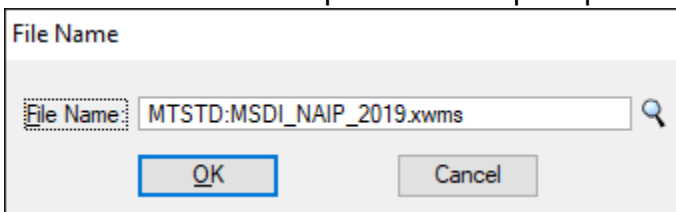
- 1) Open the map file where imagery is to be attached.
- 2) Open the Raster Manager (**File > Raster Manager**).
- 3) From the Raster Manager **File** menu, choose **Attach > WMS**.



- 4) Navigate to the MDT CADD Standards **WORKGROUP\STDREF\MT\_Raster** directory, selecting the desired .xwms file and choosing **Open**.
- 5) Set the desired Raster Attachment Options and choose **Attach**.
- 6) Ensure the Geo Priority is **Raster Header**.



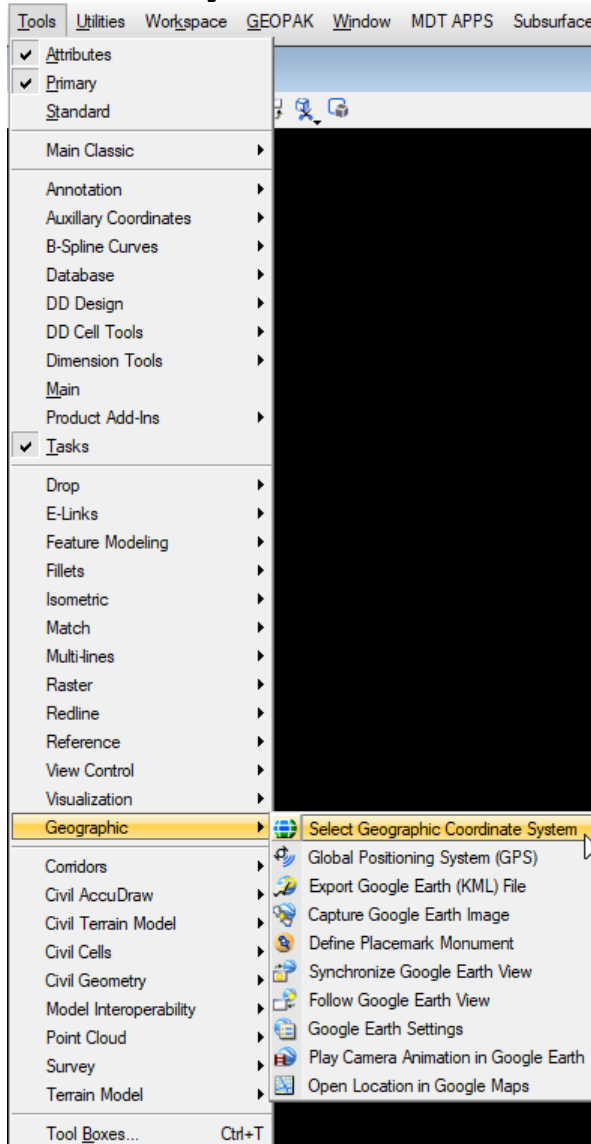
- 7) Right-click the attached .xwms file and choose **File Name....**
- 8) Edit the file name to replace the file path preceding the file name with **MTSTD:**.



## Setting the Design File Geographic Coordinate System

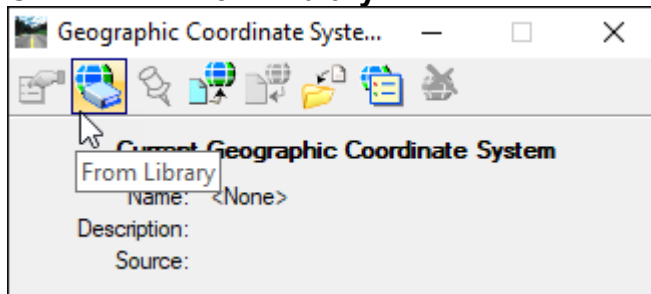
If the coordinate system for the .xwms attachment isn't the desired coordinate system, such as **MT831F (EPSG:2256)**, the design file Geographic Coordinate System must be set.

- 1) Open the map file where imagery is to be attached.
- 2) Set the Geographic Coordinate System as follows:
  - a) From the MicroStation **Tools** menu, choose **Geographic > Select Geographic Coordinate System.\***



\*Alternatively accessed by choosing **Tools > Tool Boxes** and checking **Geographic**, then selecting **Select Geographic Coordinate System** from the Geographic tool bar.

- b) Choose the **From Library** icon.



- c) Navigate to the **MT83IF – NAD83 Montana State Planes, International Foot** or **MT83/2011IF – NAD83/2011 Montana State Planes, International Foot**, as appropriate for the project (**Projected (northing, easting, ...) > North America > United States of America > Montana**).
- d) Choose **Ok**.

## SUPPORT CONTACT:

Please submit an [MDT Engineering Systems CADD Support Request](#) for further assistance with these issues.