



**GEORGIA DEPARTMENT OF TRANSPORTATION**

**ROOT MENU FOR MICROSTATION V8i**

**Version 4.1.9**

**Current Revision Date:**

**April 2014**

## **1-1 GDOT Root Menu**

**This document provides guidance for the usage of the GDOT Root Menu application that is included in the GDOT Workspace for MicroStation V8i.**

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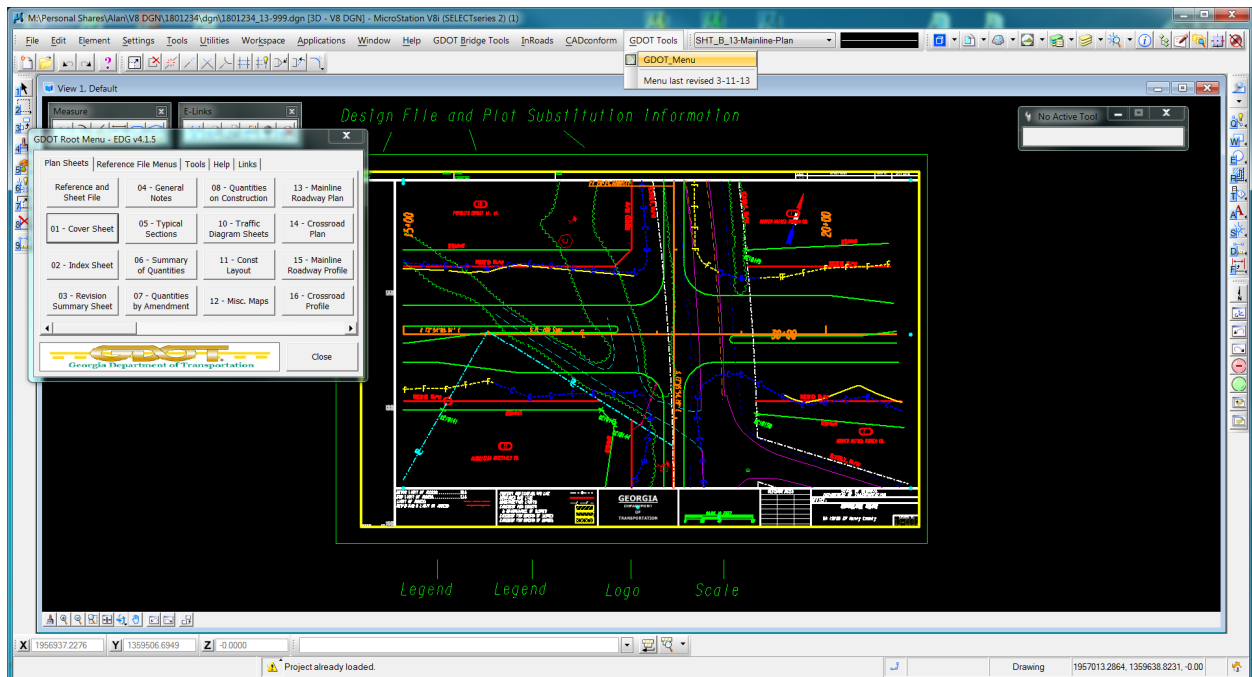
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## 1-3 General Description

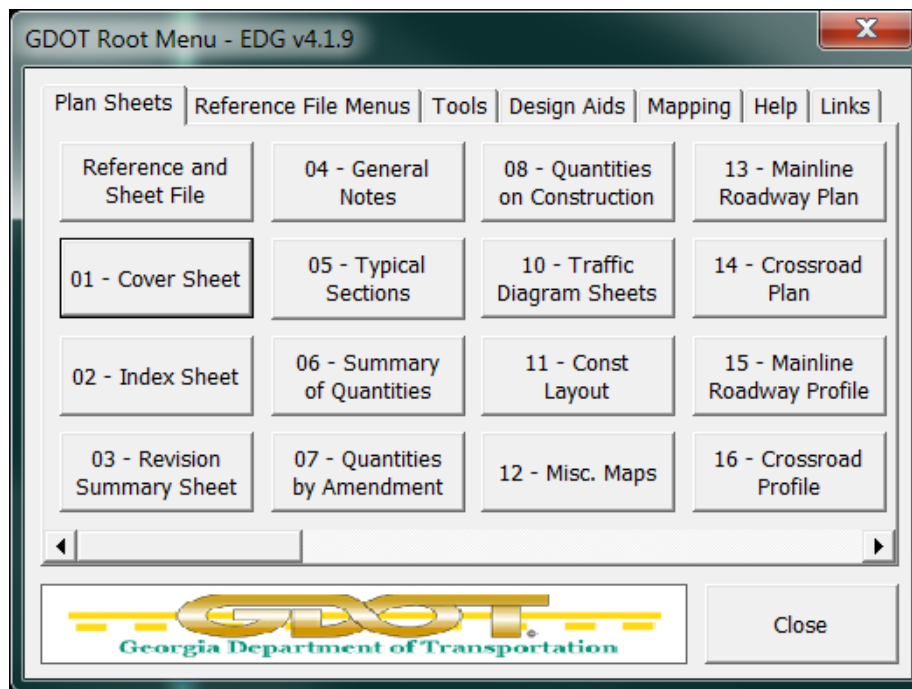
The **GDOT Root Menu** is designed to:

- Lead users through MicroStation tasks with minimal training.
- Automate MicroStation tasks.
- Ensure that Department CAD Standards are followed.
- Ensure plan consistency internally and externally.

The GDOT Root Menu can be accessed from inside MicroStation V8i when using the GDOT WorkSpace from the GDOT Tools menu located on the top MicroStation Main Menu Bar under GDOT Tools→GDOT\_Menu as shown below.



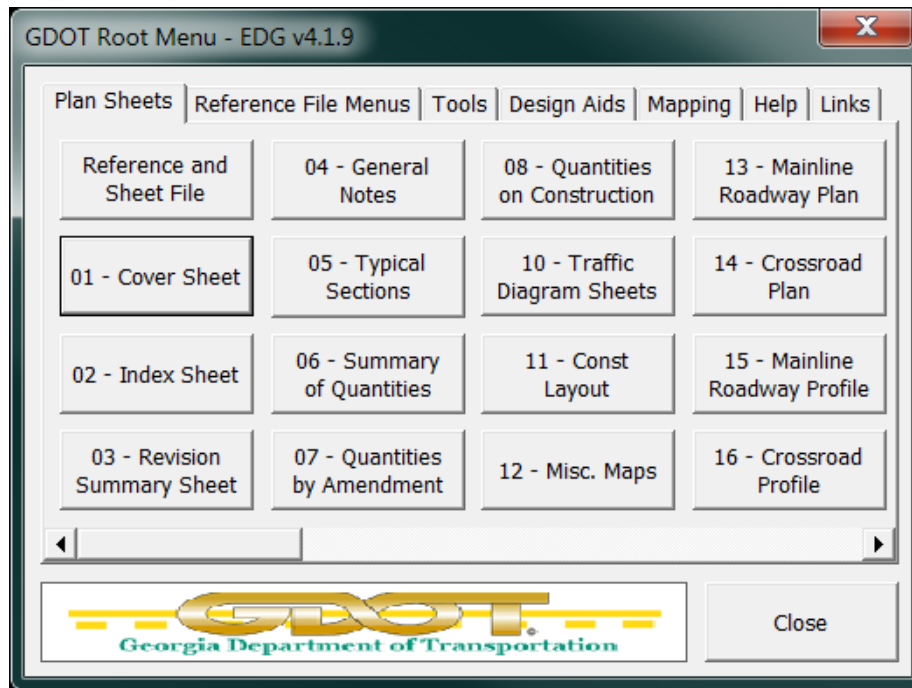
## 1-3 General Description (continued)



The GDOT Root Menu is divided into five sections divided by user selectable tabs across the top of the menu:

- Plan Sheets
  - Creation of Plan Sheets divided into section numbers as documented in the GDOT Plan Presentation Guide (PPG).
  - Setting of Plan Sheet levels as documented in the GDOT Electronic Data Guidelines (EDG).
- Reference File Menus
  - Specific to the separate reference files.
  - Tools organized by reference file logical names.
- Tools
  - GPlot
  - LevelWorks
  - Various other tools that are not reference file specific.
- Design Aids
  - AutoTURN
  - AutoTURN User Guide
  - TORUS
  - TORUS User Guide

## 1-3 General Description (continued)

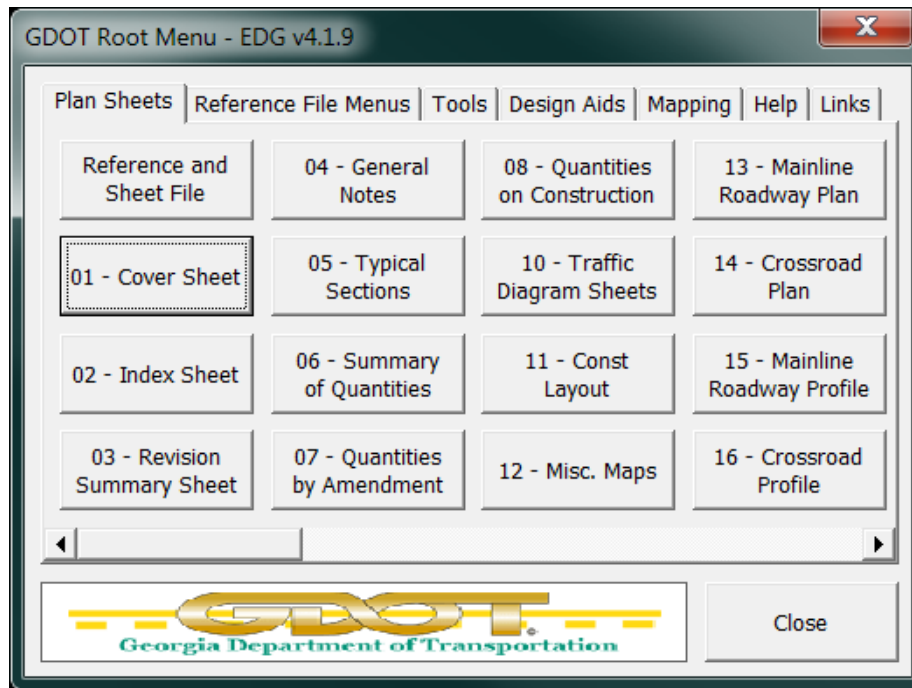


- Mapping
  - TOPO to UTIL (*to be released at a later date*)
  - GridTic (*to be released at a later date*)
  
- Help
  - GDOT Menu Tools Documentation
  - MicroStation KeyIn Commands
  - GPlot Documentation
  - Viewing DGNs in Google Earth
  - WMS Imagery Services
  
- Links
  - PPG
  - EDG
  - Google
  - R.O.A.D.S.



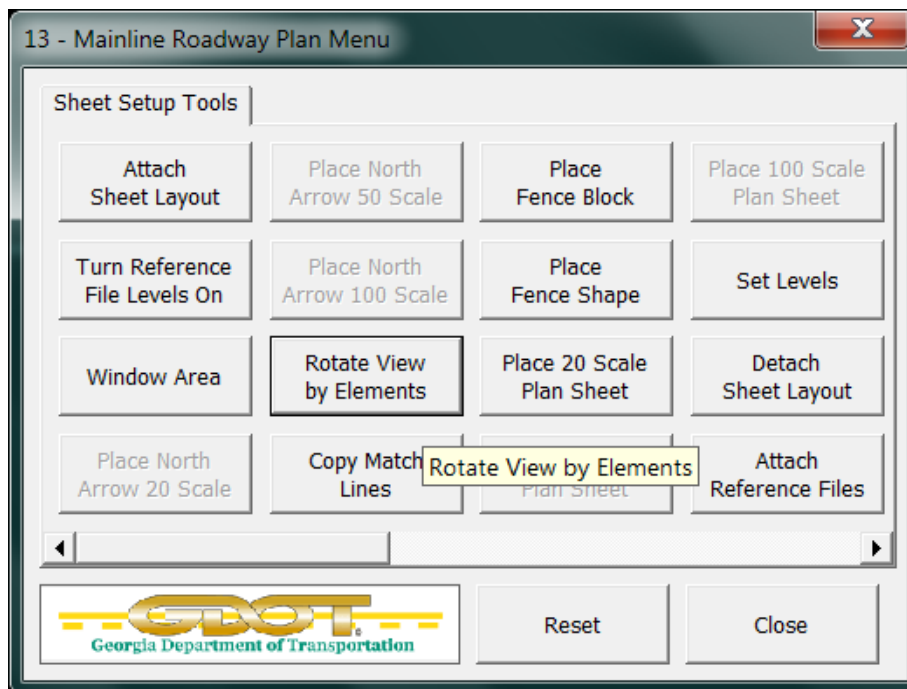
## 1-4 Rules of Operation

- Most of the menus are designed with the buttons laid out four columns wide and four rows high.
- Menus wider than four columns wide have a slide bar located at the bottom to allow the user to access additional tasks to the right of each menu.
- All submenus are accessed through the Main Menu via one of the five menu tabs.



- When a user selects and opens a submenu the **GDOT Main Menu** will close and the appropriate submenu will open. After the user selects the **CLOSE** button on a submenu the **GDOT Main Menu** will reopen automatically.

## 1-4 Rules of Operation (continued)

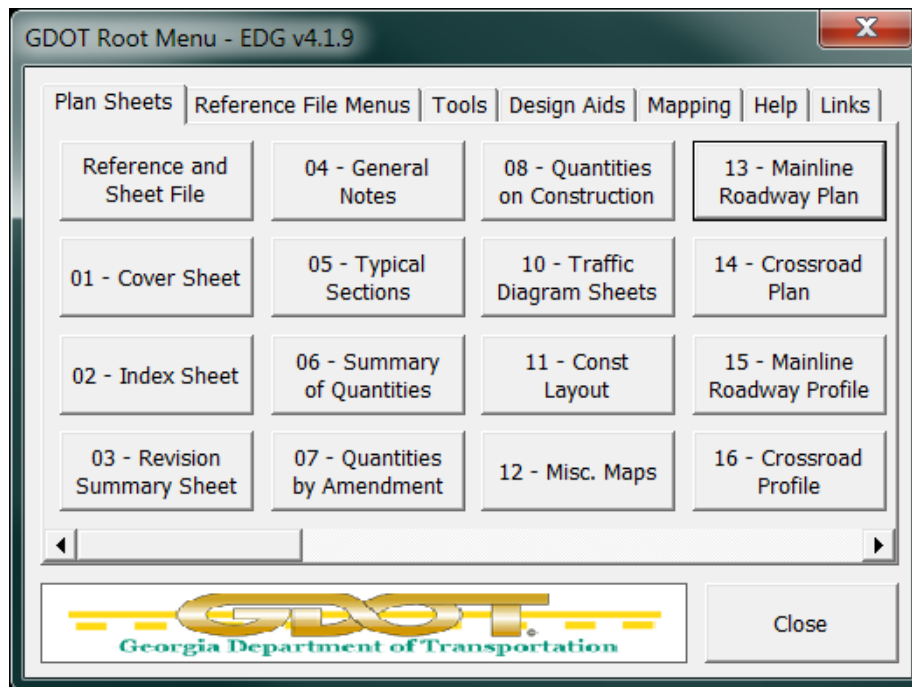


- Most Plan Sheet menus will lead the user to the next logical step by highlighting the most likely next task button after each step.
- Most commands will have “Tool Tips” that display when the mouse cursor is held over a given button.
- After a step has been completed the corresponding button will gray out to let the user know what tasks they have completed. In the event the user desires to re-do a step they may click the “Reset” button to reactivate all the buttons on that step. The “Reset” button will only activate after the user has used one or more button commands.
- Most menus that involve placing elements at multiple plan scales will automatically gray out the other scale options after the user selects the first item. In the example above the user has already placed a 50 Scale North Arrow, notice that the 20 Scale and 100 Scale options for the remaining tasks were turned off automatically.

## **2-1 GDOT Root Menu – Brief**

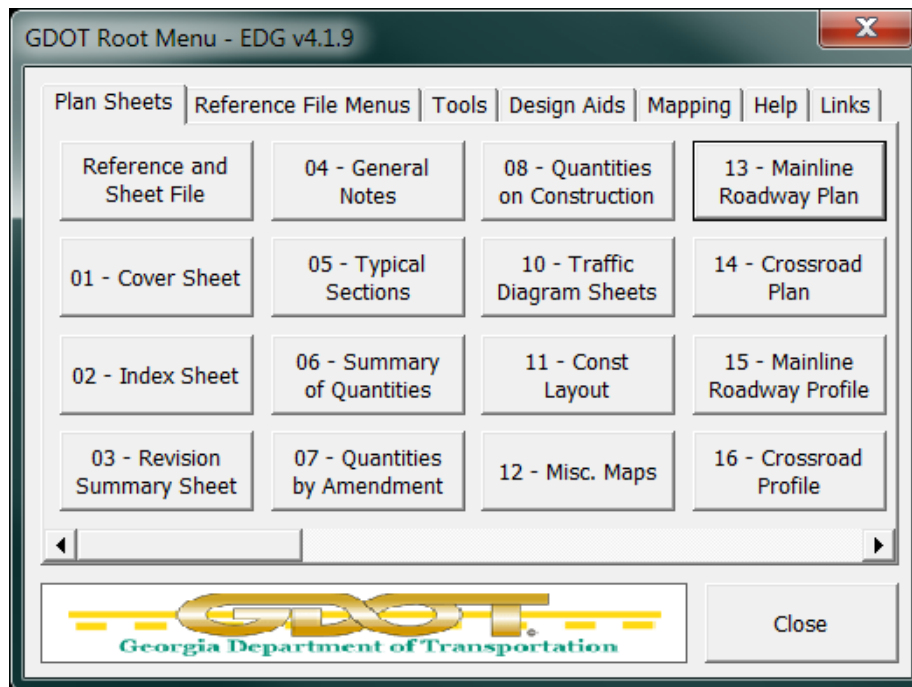
**The following sections provide in a summarized format the functions each tab of the GDOT Root Menu that is included in the GDOT Workspace for MicroStation V8i.**

## 2-2 Plan Sheets Tab



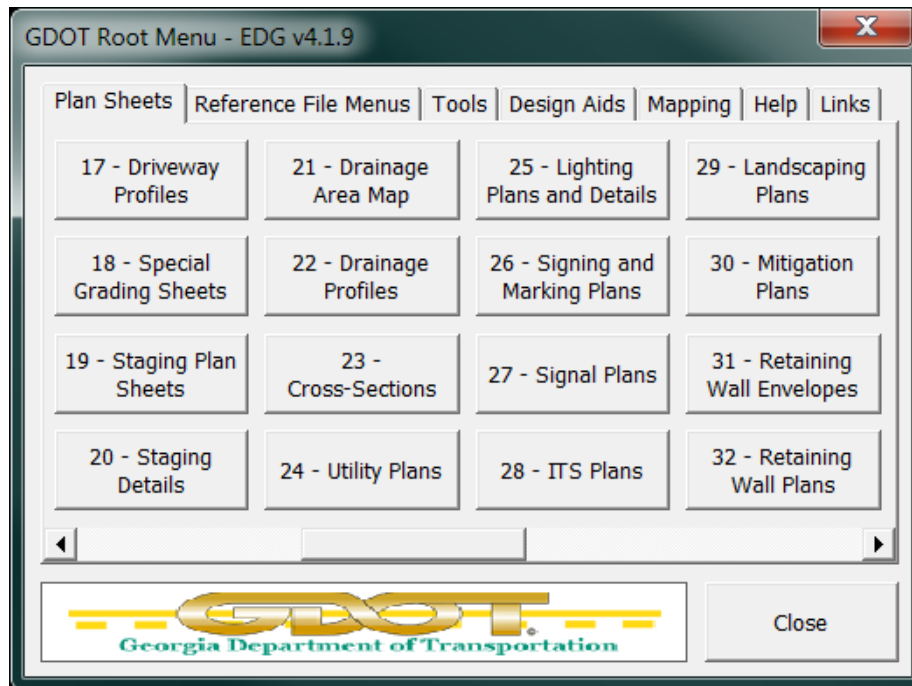
- **Reference and Sheet File Builder** – Verifies which reference files the user has previously created and creates new “blank” design files with the correct names to allow the user to proceed with building the plan sheets. These “blank” design files can later be populated as the information for each is generated during the plans development process. In addition this menu can build the “blank” plan sheet design files for the user.
- **01 – Cover Sheet** – Used to build the Section 01 Construction Cover sheet.
- **02 – Index Sheet** – Used to create the Section 02 Construction Plan Index sheet.
- **03 - Revision Summary Sheet** – Used to create the Section 03 Revision Summary Plan sheet(s).
- **04 - General Notes** – Used to create the Section 04 General Notes Plan sheet(s).
- **05 - Typical Sections** – Used to create the Section 05 Typical Sections Plan sheet(s).
- **06 – Summary of Quantities** – Used to create the Section 06 Summary of Quantities Plan sheet(s).

## 2-2 Plan Sheets Tab (continued)



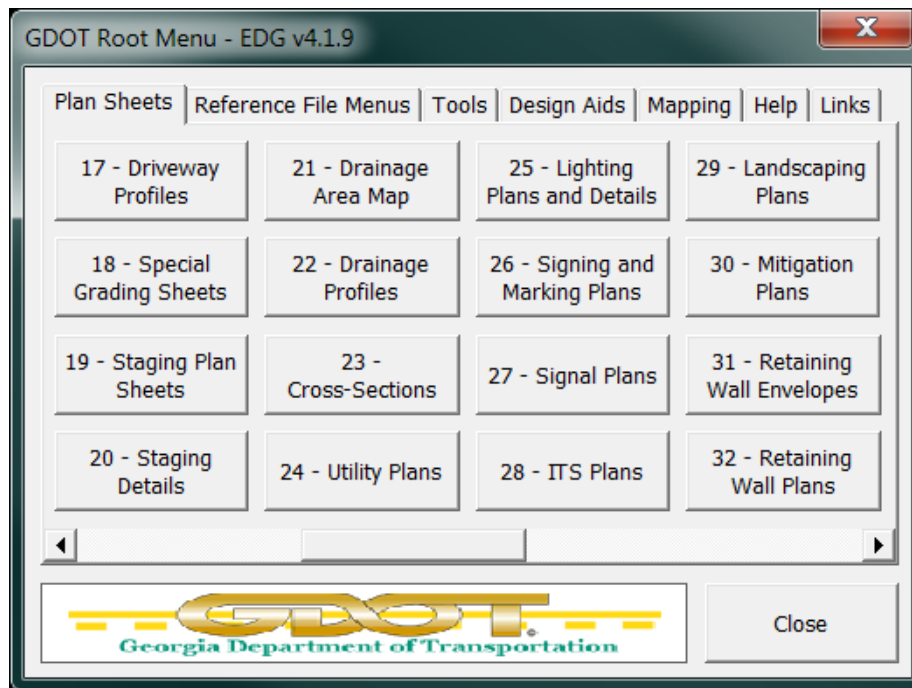
- **07 Quantities by Amendment** – Used to create the Section 07 Quantities Required by Amendment Plans sheet(s).
- **08 – Quantities on Construction** – Used to create the Section 08 Use on Construction Quantities Plan sheet(s).
- **10 - Traffic Diagram Sheets** – Used to create Section 10 Traffic Diagram Plan sheet(s).
- **11 - Construction Layout** – Used to create Section 11 Construction Layout Plan sheet(s).
- **12 - Misc. Maps** – Used to create Section 12 Miscellaneous Maps Plan sheet(s).
- **13 - Mainline Roadway Plan** - Used to create Section 13 Mainline Plan sheet(s).
- **14 - Crossroad Plan** – Used to create Section 14 Crossroad Plan sheet(s).
- **15 - Mainline Roadway Profile** – Used to create Section 15 Mainline Profile Plan sheet(s).
- **16 - Crossroad Profile** – Used to create Section 16 Crossroad Profile Plan sheet(s).

## 2-2 Plan Sheets Tab (continued)



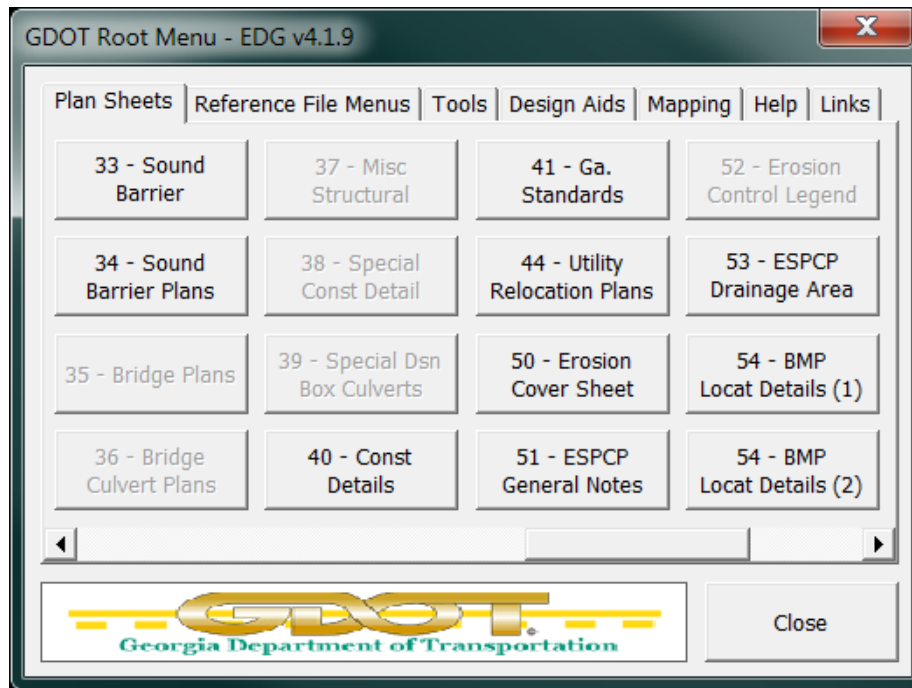
- **17 - Driveway Profiles** – Used to create the Section 17 Driveway Profile Plans sheet(s).
- **18 - Special Grading Sheets** – Used to create the Section 18 Special Grading Plan sheet(s).
- **19 - Staging Plan Sheets** – Used to create the Section 19 Staging Plan sheet(s).
- **20 - Staging Details** – Used to create the Section 20 Staging Details Plan sheet(s).
- **21 - Drainage Area Map** – Used to create the Section 21 Drainage Area Map Plan sheet(s).
- **22 - Drainage Profiles** – Used to create the Section 22 Drainage Profiles Plan sheet(s).  
(To be released at a later date.)
- **23 – Cross-Sections** - Used to create the Section 23 Earthwork Cross Section Plan sheet(s) for both mainline and crossroad(s).
- **24 – Utility Plans** - Used to create the Section 24 Utility Plan sheet(s).

## 2-2 Plan Sheets Tab (continued)



- **25 - Lighting Plans and Details** – Used to create the Section 25 Roadway Lighting Plan sheet(s).
- **26 - Signing and Marking** – Used to create the Section 26 Signing and Marking Plan sheet(s).
- **27 - Signal Plans** – Used to create the Section 27 Signal Plan sheet(s).
- **28 - ITS Plans** – Used to create the Section 28 ITS Plan sheet(s).
- **29 - Landscaping Plans** – Used to create the Section 29 Landscaping Plan sheet(s).
- **30 - Mitigation Plans** – Used to create the Section 30 Mitigation Plan sheet(s).
- **31 - Retaining Wall Envelopes** – Used to create the Section 31 Retaining Wall Envelop Plan sheet(s).
- **32 - Retaining Wall Plans** - Used to create the Section 32 Retaining Wall Plan sheet(s).

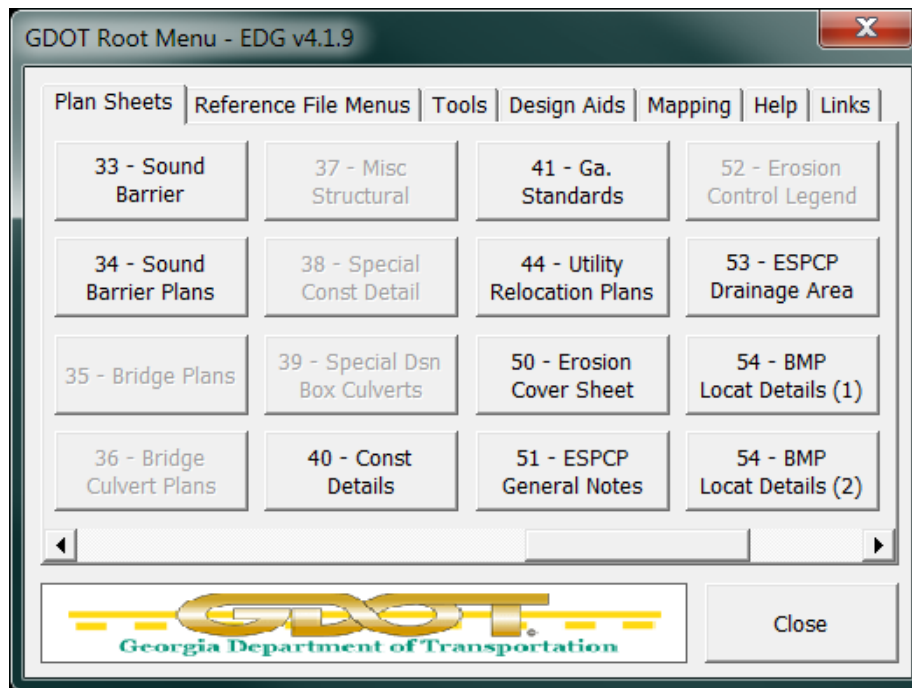
## 2-2 Plan Sheets Tab (continued)



- **33 - Sound Barrier Envelopes** – Used to create the Section 33 Sound Barrier Wall Envelope Plan sheet(s).
- **34 - Sound Barrier Plans** – Used to create the Section 34 Sound Barrier Wall Plan sheet(s).
- **35 – Bridge Plans** – Used to create the Section 35 Bridge Plan sheet(s). *(To be released at a later date.)*
- **36 - Bridge Culvert Plans** – Used to create the Section 36 Bridge Culvert Plan sheet(s). *(To be released at a later date.)*
- **37 - Misc Structural** – Used to create the Section 37 Misc Structural Plan sheet(s). *(To be released at a later date.)*
- **38 – Special Const Detail** – Used to create the Section 38 Special Construction Details sheet(s). *(To be released at a later date.)*
- **39 – Special Design Box Culverts** – Used to create the Section 39 Special Design Box Culverts sheet(s). *(To be released at a later date.)*

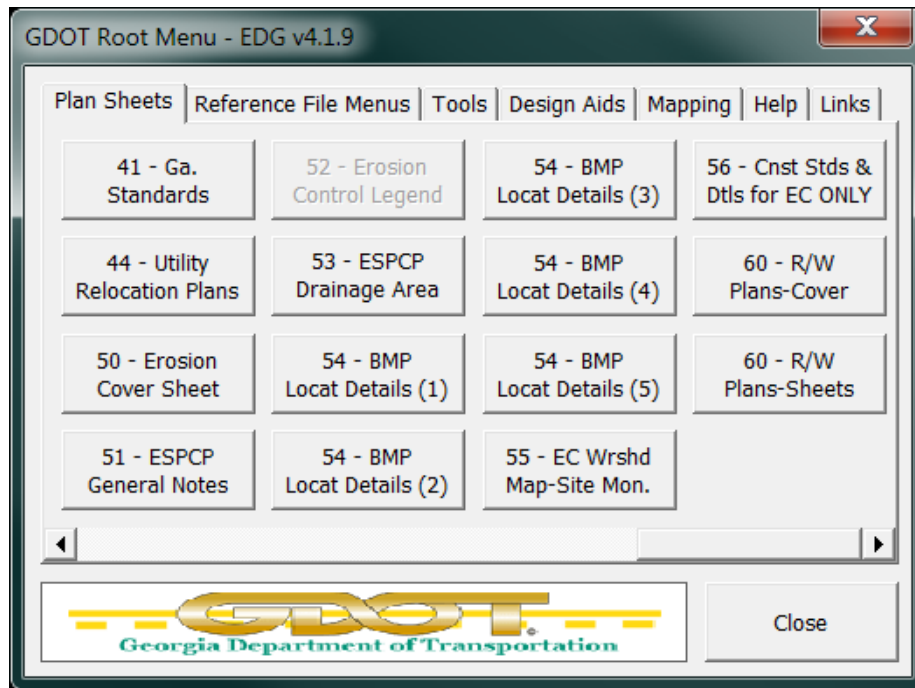


## 2-2 Plan Sheets Tab (continued)



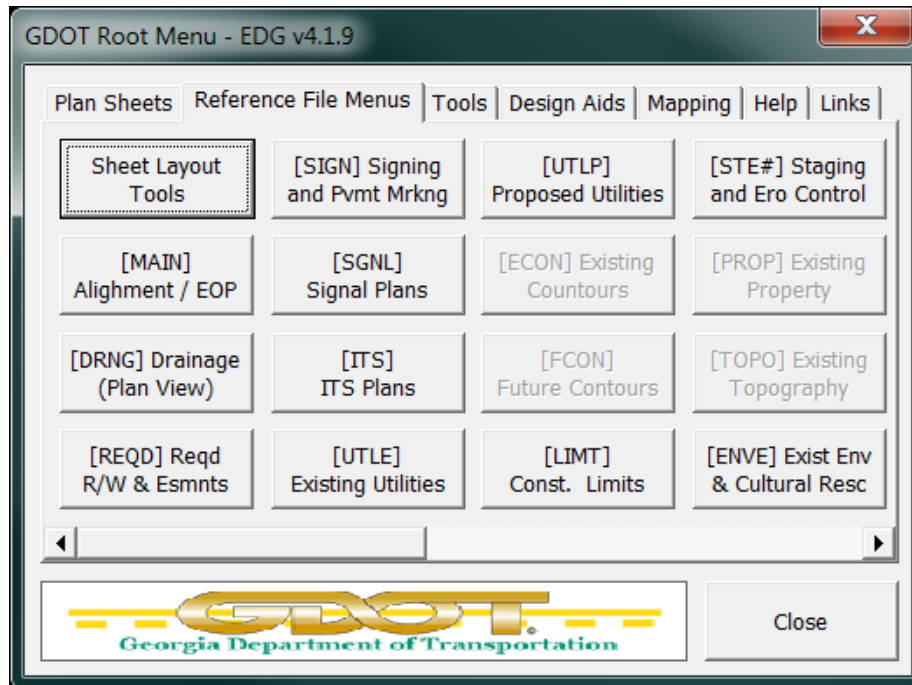
- **40 – Construction Details** – Used to create the Section 40 Construction Details sheet(s).
- **41 – Ga. Standards** – Used to create the Section 41 Georgia Standards sheet(s).
- **44 - Utility Relocation Plans** – Used to create the Section 44 Utility Relocation Plan sheet(s).
- **50 – Erosion Cover Sheet** – Used to create the Section 50 Erosion Cover Sheet.
- **51 - ESPCP General Notes** – Used to create the Section 51 ESPCP General Notes sheet(s).
- **52 - Erosion Control Legend** – Used to create the Section 52 Erosion Control Legend sheet(s).
- **53 - ESPCP Drainage Area** – Used to create the Section 53 ERC Drainage Area Map sheet(s).

## 2-2 Plan Sheets Tab (continued)



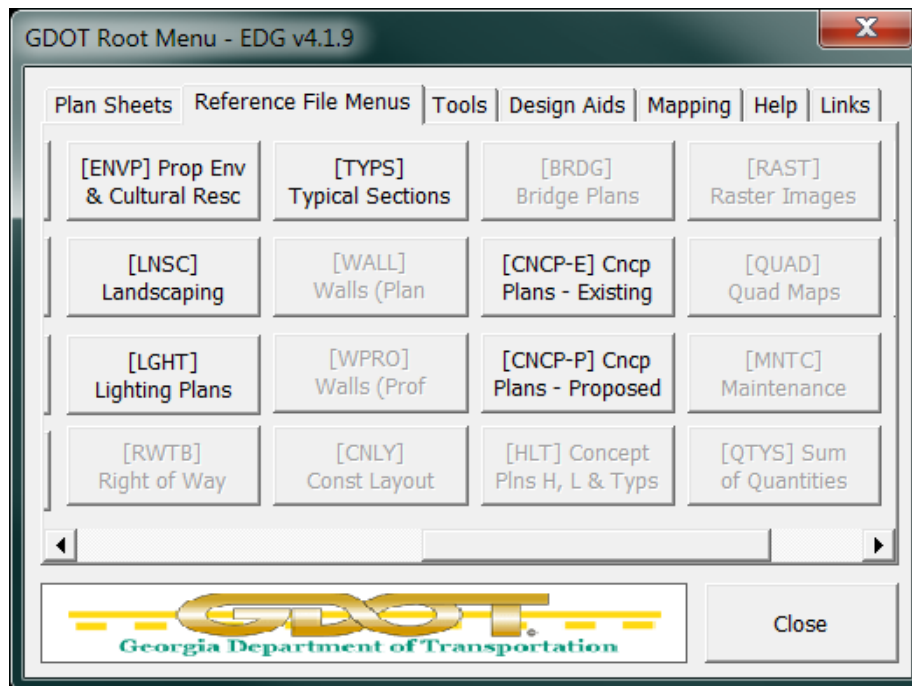
- **54 - BMP Location Details (1-5)** – Used to create the Section 54 BMP Location Details for stages 1 through 5 Plan sheet(s).
- **55 – EC Watershed Map-Site Mon.** – Used to create the Section 55 EC Watershed Map-Site Monitoring Plan sheet(s).
- **56 – Const Stds & Dtls for EC ONLY** – Used to create the Section 56 Construction Standards & Details for Erosion Control ONLY sheet(s).
- **60 - Right of Way Plans-Cover** – Used to create the Section 60 Right of Way Plans-Cover sheet(s).
- **60 - Right of Way Plans-Sheets** – Used to create the Section 60 Right of Way Plans-Sheet(s).

## 2-3 Reference File Menus Tab



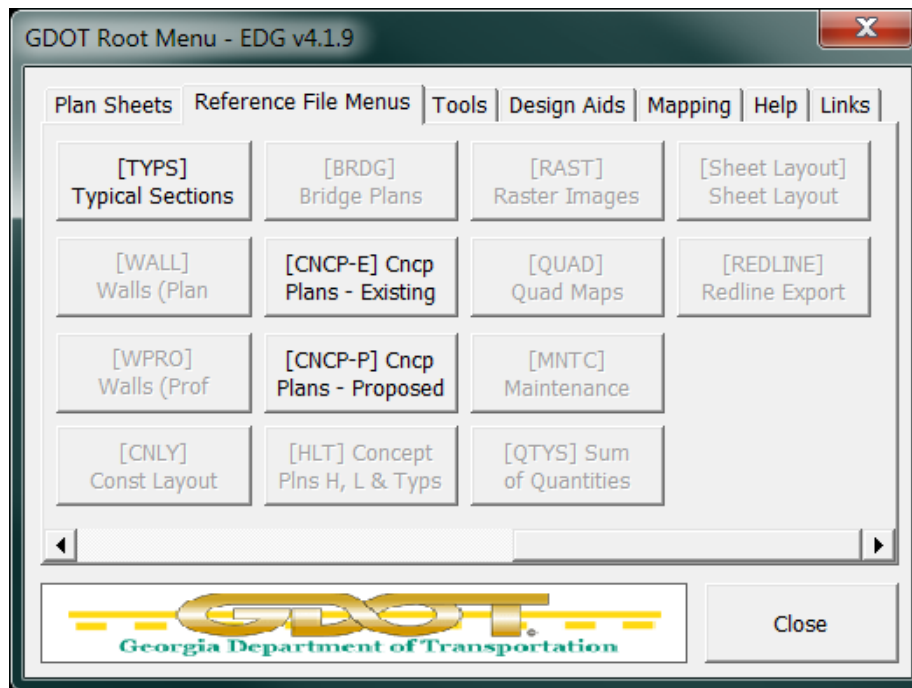
- ***Sheet Layout Tools***
- ***[MAIN] Alignment / EOP***
- ***[DRNG] Drainage (Plan View)***
- ***[REQD] Required R/W & Easements***
- ***[SIGN] Signing and Pavement marking***
- ***[SGNL] Signal Plans***
- ***[ITS] ITS Plans***
- ***[UTLE] Existing Utilities***
- ***[UTLP] Proposed / Removed Utilities***
- ***[ECON] Existing Contours (To be released at a later date.)***
- ***[FCON] Future Contours (To be released at a later date.)***
- ***[LIMT] Construction Limits***
- ***[STE#] Staging and Erosion Control***
- ***[PROP] Existing Property (To be released at a later date.)***
- ***[TOPO] Existing Topography (To be released at a later date.)***
- ***[ENVE] Exist Envir & Cultural Resc***

## 2-3 Reference File Menus Tab (continued)



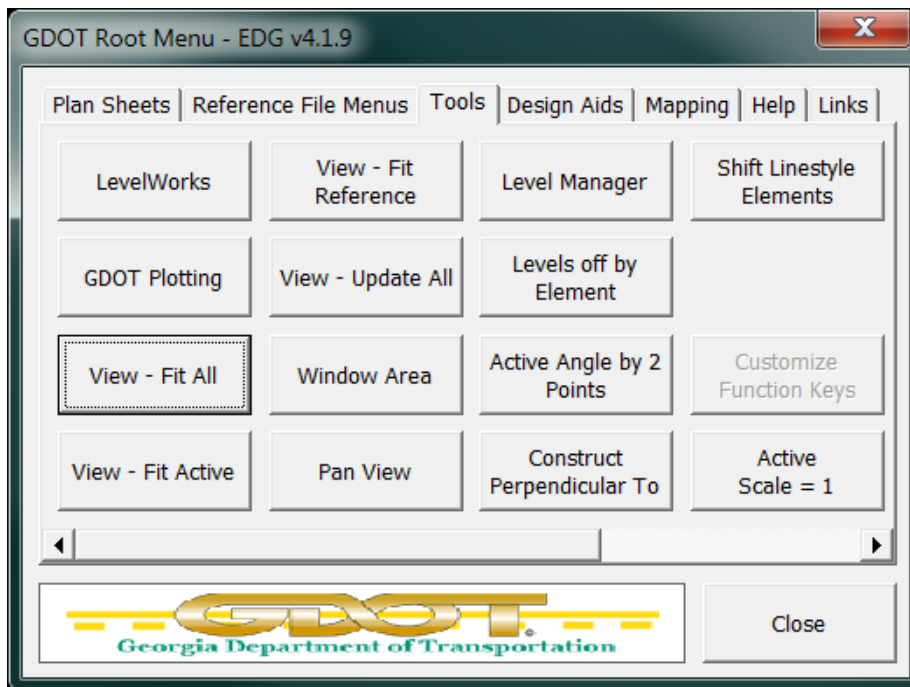
- **[ENVP] Prop Envir & Cultural Resc**
- **[LNSC] Landscaping**
- **[LGHT] Lighting**
- **[RWTB] Right of Way** (To be released at a later date.)
- **[TYPS] Typical Sections**
- **[WALL] Walls (Plan View)** (To be released at a later date.)
- **[WPRO] Walls (Profile View)** (To be released at a later date.)
- **[CNLY] Const Layout** (To be released at a later date.)
- **[BRDG] Bridge Plans** (To be released at a later date.)
- **[CNCP-E] Concept Plans – Existing**
- **[CNCP-P] Concept Plans – Proposed**
- **[HLT] Concept Plans H, L & Typs** (To be released at a later date.)
- **[RAST] Raster Images** (To be released at a later date.)
- **[QUAD] Quad Maps** (To be released at a later date.)
- **[MNTC] Maintenance** (To be released at a later date.)
- **[QTYS] Summary of Quantities** (To be released at a later date.)

## 2-3 Reference File Menus Tab (continued)



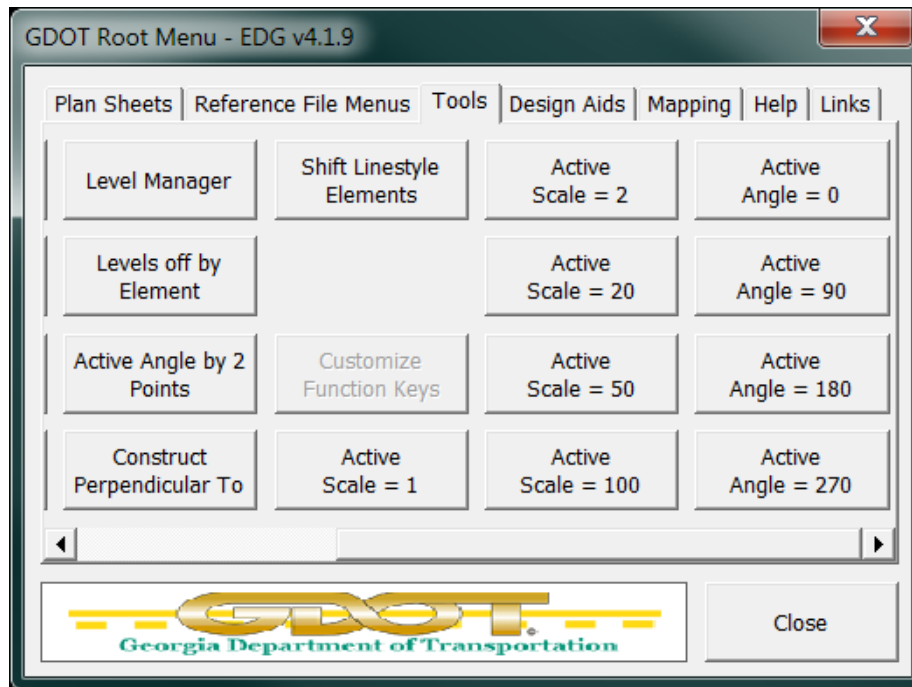
- **[Sheet Layout] Sheet Layout** (To be released at a later date.)
- **[REDLINE] Redline Export** (To be released at a later date.)

## 2-4 Tools Tab



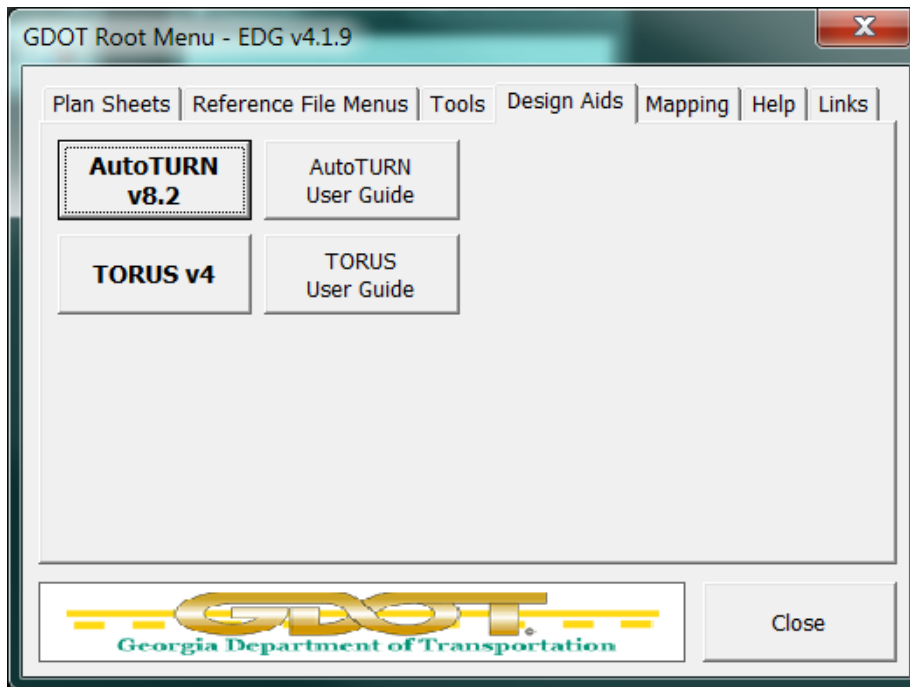
- **LevelWorks** – Tool to assist users in turning on and off DGN Levels by plan sections.
- **GDOT Plotting** – GPlot PDF plotting utilities.
- **View – Fit All**
- **View – Fit Active**
- **View – Fit Reference**
- **View – Update All**
- **Window Area**
- **Pan View**
- **Level Manager**
- **Levels off by Element**
- **Active Angle by 2 Points**
- **Construct Perpendicular To**
- **Shift Linestyle Elements**
- **Create Ref/Plan sheets files**
- **Customize Function Keys** (To be released at a later date.)
- **Active Scale = 1**

## 2-4 Tools Tab (continued)



- **Active Scale = 2**
- **Active Scale = 20**
- **Active Scale = 50**
- **Active Scale = 100**
- **Active Angle = 0**
- **Active Angle = 90**
- **Active Angle = 180**
- **Active Angle = 270**

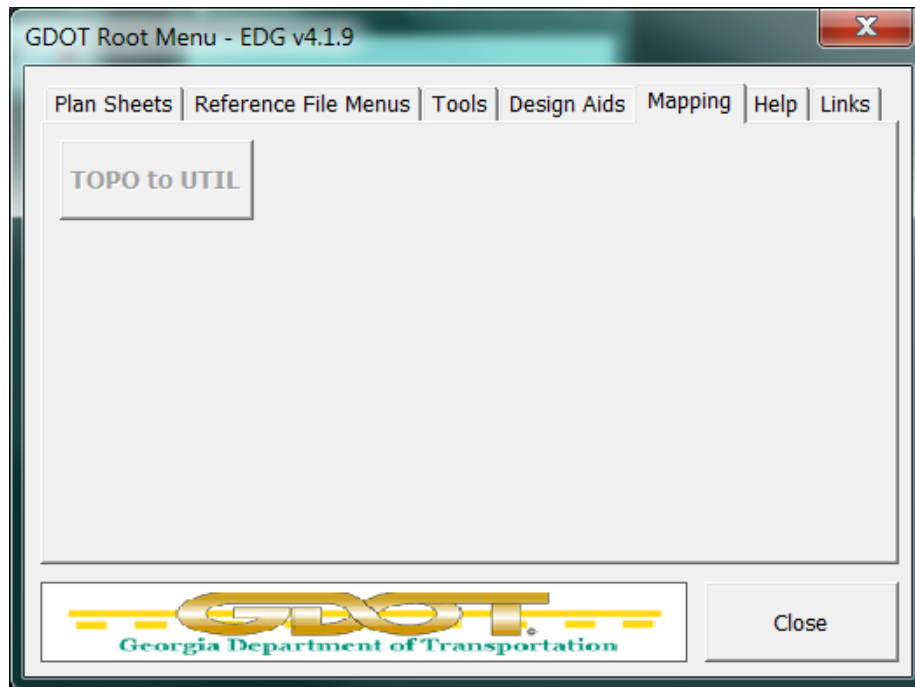
## 2-5 Design Aids Tab



- **AutoTURN v8.2** – Opens the Transoft Solutions AutoTURN swept path analysis software (if installed).
- **AutoTURN User Guide** – Opens the AutoTURN User Guide.
- **TORUS v4** – Opens the Transoft Solutions TORUS modern roundabout design software (if installed).
- **TORUS User Guide** – Opens the TORUS User Guide.

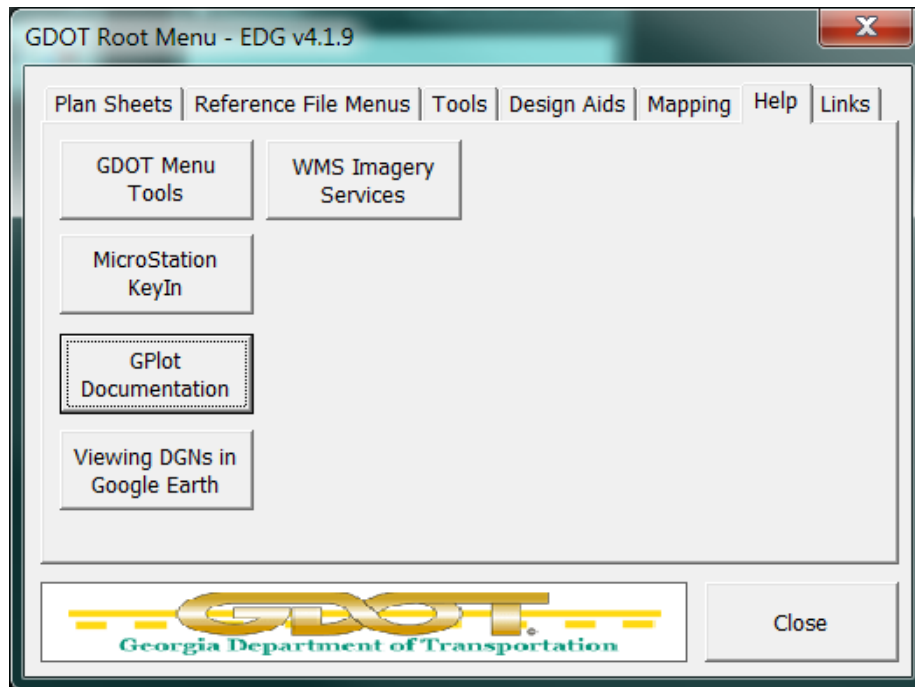


## 2-6 MAPPING Tab



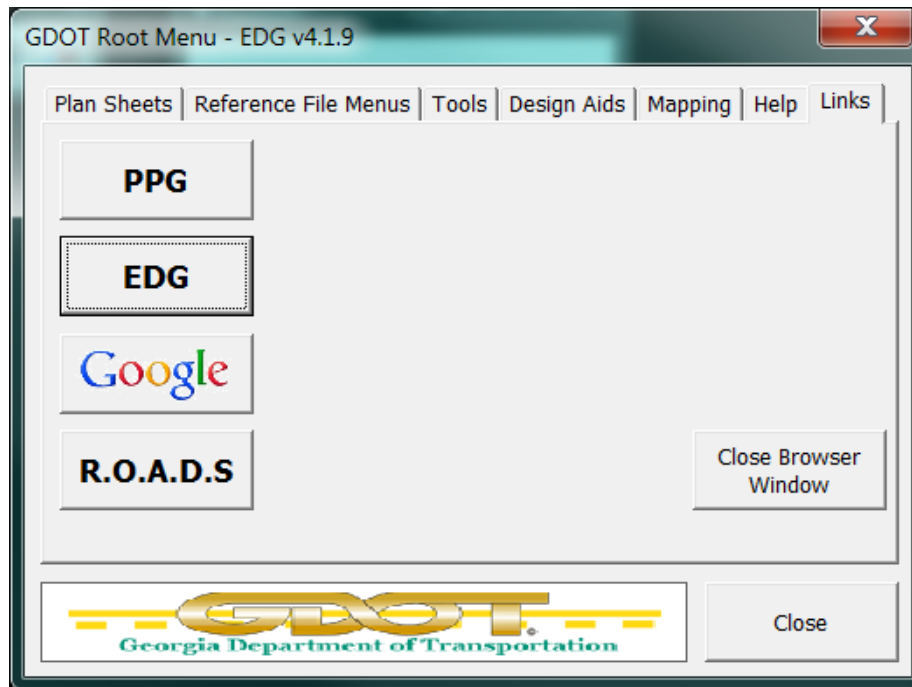
- **TOPO to UTIL** (To be released at a later date.)
- **GridTic** (To be released at a later date.)

## 2-7 HELP Tab



- **GDOT Menu Tools** - Documentation for the GDOT Root Menu and sub menu applications.
- **MicroStation KeyIn Commands** – Useful MicroStation KeyIn commands (For those who want to do more).
- **GPlot Documentation** - Documentation for the “GDOT – GPlot PDF Plotting” application.
- **Viewing DGNs in Google Earth** – Documentation for viewing MicroStation DGN files from within the Google – Google earth application.
- **WMS Imagery Services** – Documentation for using aerial photography background images.

## 2-8 Links Tab

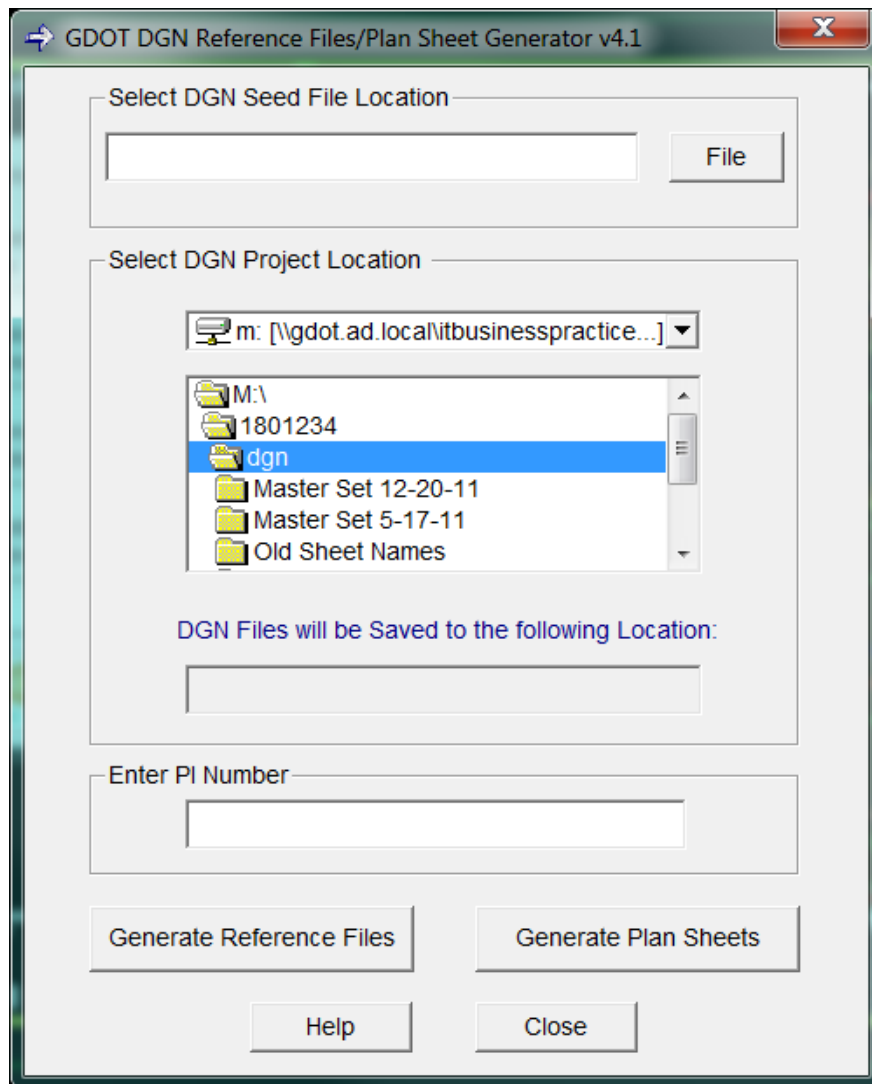


- **PPG** – Opens the current version of the GDOT Plan Presentation Guide from the GDOT R.O.A.D.S. web-page in your default web browser. *(Requires external internet connection.)*  
[http://www.dot.ga.gov/doingbusiness/PoliciesManuals/roads/Plan/Plan\\_Presentation\\_Guide.pdf](http://www.dot.ga.gov/doingbusiness/PoliciesManuals/roads/Plan/Plan_Presentation_Guide.pdf)
- **EDG** – Opens the current version of the GDOT Electronic Data Guidelines PDF from the GDOT R.O.A.D.S. web-page in your default web browser. *(Requires external internet connection.)*  
[http://www.dot.ga.gov/doingbusiness/PoliciesManuals/roads/ElectronicData/Electronic\\_Data\\_Guidelines.pdf](http://www.dot.ga.gov/doingbusiness/PoliciesManuals/roads/ElectronicData/Electronic_Data_Guidelines.pdf)
- **Google** – Opens Google web-page in your default web browser. *(Requires external internet connection.)*  
<http://www.google.com/>
- **R.O.A.D.S.** – Opens the GDOT R.O.A.D.S. web-page in your default web browser. *(Requires external internet connection.)*  
<http://www.dot.ga.gov/doingbusiness/PoliciesManuals/roads/Pages/default.aspx>

## **3-1 Plan Sheets - Expanded**

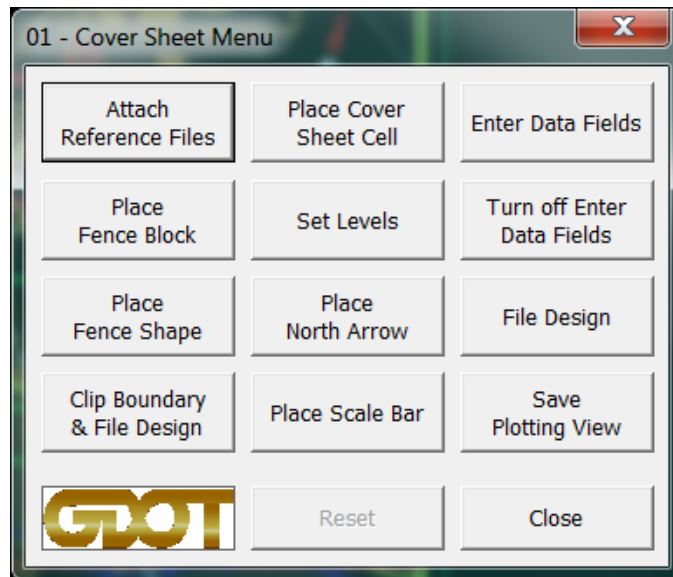
**The following sections provide an expanded description of the functions of the GDOT Root Menu Plan Sheets section that is included in the GDOT Workspace for MicroStation V8i.**

### 3-2 DGN Reference Files/Sheet Builder



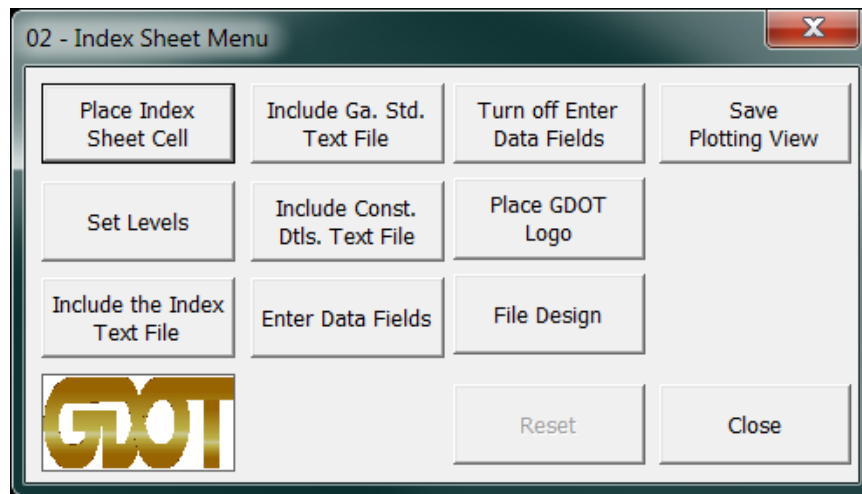
- Documentation for the “GDOT DGN Reference Files/Plan Sheet Builder” application is available from the “Help” button inside the application.

### 3-3 01-Cover Sheet



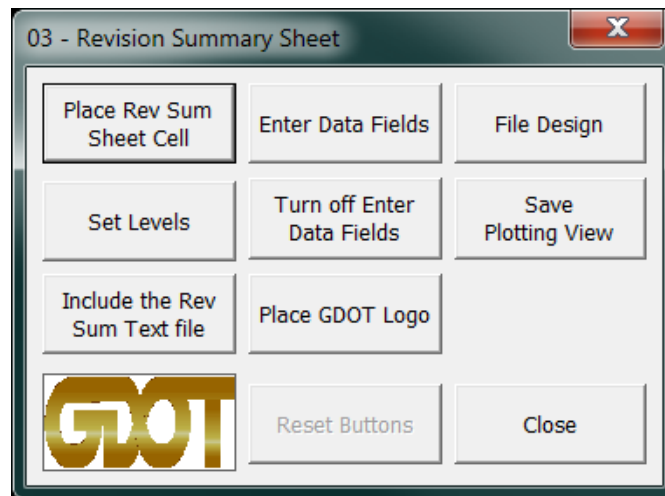
- **Attach Reference Files** – Attaches reference files to the Cover Sheet DGN file as per the EDG requirements.
- **Place Fence Block / Place Fence Shape** – Use to place a Fence Shape or Block to be used for Clipping the reference files.
- **Clip Boundary & File Design** – Clips reference files and saves the view settings.
- **Place Cover Sheet Cell** – Places the “CONCOV” cell from the GDOT-GN-SHEETS cell library at a default scale of 500. User may over-ride the default scale after the command has been selected by keying in “AS=1000” etc... before pressing the Data Button.
- **Set Levels** – Sets the cover sheet DGN file levels and all reference file levels as per the EDG requirements.
- **Place North Arrow** – Places the “COVNOR” cell from the GDOT-GN-SHEETS cell library at a default scale of 500. User may over-ride the default scale after the command has been selected by keying in “AS=1000” etc... before pressing the Data Button.
- **Place Scale Bar** – Opens the GDOT-GN-SHEETS cell library via the MicroStation Cell Selector utility. User will select the appropriate scale bar cell and place it on the Cover Sheet cell.
- **Enter Data Fields** – Use to fill in the data fields on the Cover Sheet cell. This command will not be disabled after use, allowing the user to use this command as needed without have to use the “Reset” button.
- **Turn off Enter Data Fields** – Turns off the Data Fields for View 1.
- **File Design** – Saves the current view settings.
- **Save Plotting View** – Saves the plotting view from View 1 for use by the GPlot Utility.
- **Reset** – Enables any disabled commands to allow those commands to be accessed multiple times.
- **Close** – Closes the “01 – Cover Sheet” menu and returns the user to the “Root Menu”.

## 3-4 02-Index Sheet



- **Place Index Sheet Cell** – Places the “GPLN” cell from the GDOT-GN-SHEETS cell library at a scale of 1.
- **Set Levels** – Sets the index sheet DGN file levels as per the EDG requirements.
- **Include the Index Text File** – Imports an ASCII text file to fill in the required index information. This file must be in the correct format. An example text file is included in the CADAll download.  
[\GDOT\\_V8i\Corporate\\_Workspace\MicroStation\GDOT\\_Help\Documents\02-Index.txt](#)
- **Include Ga. Std. Text File** – Imports an ASCII text file to fill in the required index information for the Georgia Standards. This file must be in the correct format. An example text file is included in the CADAll download.  
[\GDOT\\_V8i\Corporate\\_Workspace\MicroStation\GDOT\\_Help\Documents\02-Index\\_Standards.txt](#)
- **Include Const. Dtls. Text File** - Imports an ASCII text file to fill in the required index information for the Construction Details. This file must be in the correct format. An example text file is included in the CADAll download.  
[\GDOT\\_V8i\Corporate\\_Workspace\MicroStation\GDOT\\_Help\Documents\02-Index\\_Details.txt](#)
- **Enter Data Fields** – Use to fill in the data fields on the Cover Sheet cell. This command will not be disabled after use, allowing the user to use this command as needed without have to use the “Reset” button.
- **Turn off Enter Data Fields** – Turns off the Data Fields for View 1.
- **Place GDOT Logo x Scale** – Places the “GLOGO” cell from the GDOT-GN-SHEETS cell library at a scale of 1.
- **File Design** – Saves the current view settings.
- **Save Plotting View** – Saves the plotting view from View 1 for use by the GPlot Utility.
- **Reset** – Enables any disabled commands to allow those commands to be accessed multiple times.
- **Close** – Closes the “02 – Index Sheet Menu” and returns the user to the “Root Menu”.

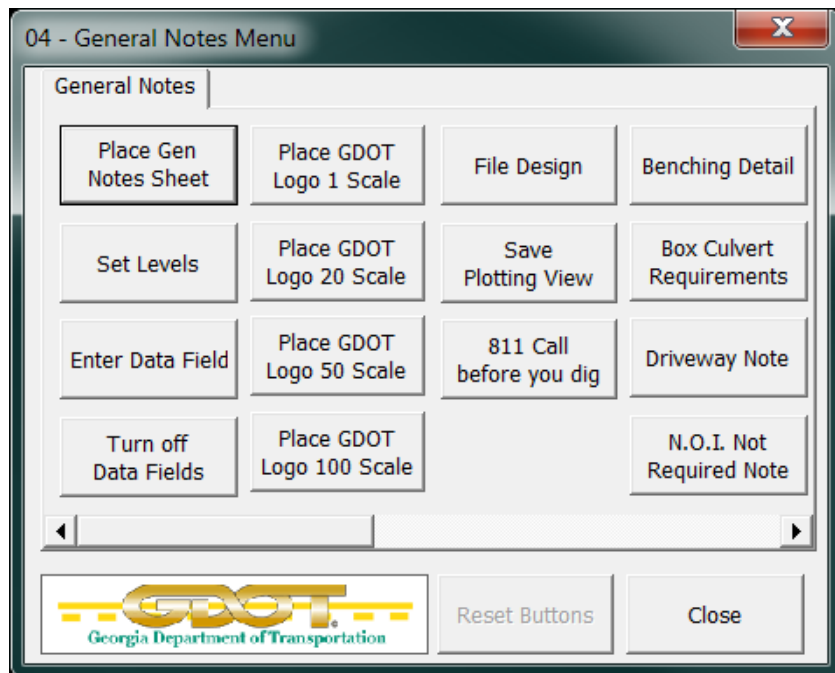
### 3-5 03-Revision Summary Sheet



- **Place Rev Sum Sheet Cell** – Places the “GPLN” cell from the GDOT-GN-SHEETS cell library at a scale of 1.
- **Set Levels** – Sets the Revision Summary sheet DGN file levels as per the EDG requirements.
- **Include the Rev Sum Text file** – Imports an ASCII text file to fill in the required Revision Summary information. This file must be in the correct format. An example text file is included in the CADAll download.  
*\\GDOT\_V8i\Corporate\_Workspace\MicroStation\GDOT\_Help\Documents\03-Revision\_Summary.txt*
- **Enter Data Fields** – Use to fill in the data fields on the Cover Sheet cell. This command will not be disabled after use, allowing the user to use this command as needed without have to use the “Reset” button.
- **Turn off Enter Data Fields** – Turns off the Data Fields for View 1.
- **Place GDOT Logo** – Places the “GLOGO” cell from the GDOT-GN-SHEETS cell library at a scale of 1.
- **File Design** – Saves the current view settings.
- **Save Plotting View** – Saves the plotting view from View 1 for use by the GPlot Utility.
- **Reset** – Enables any disabled commands to allow those commands to be accessed multiple times.
- **Close** – Closes the “03 – Revision Summary Sheet” menu and returns the user to the “Root Menu”.

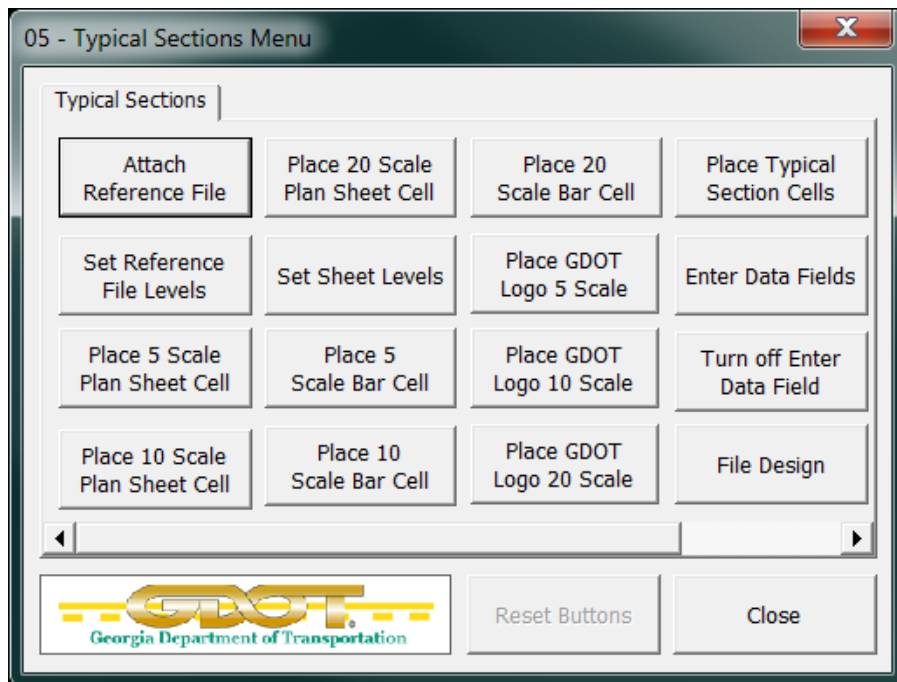


## 3-6 04 General Notes



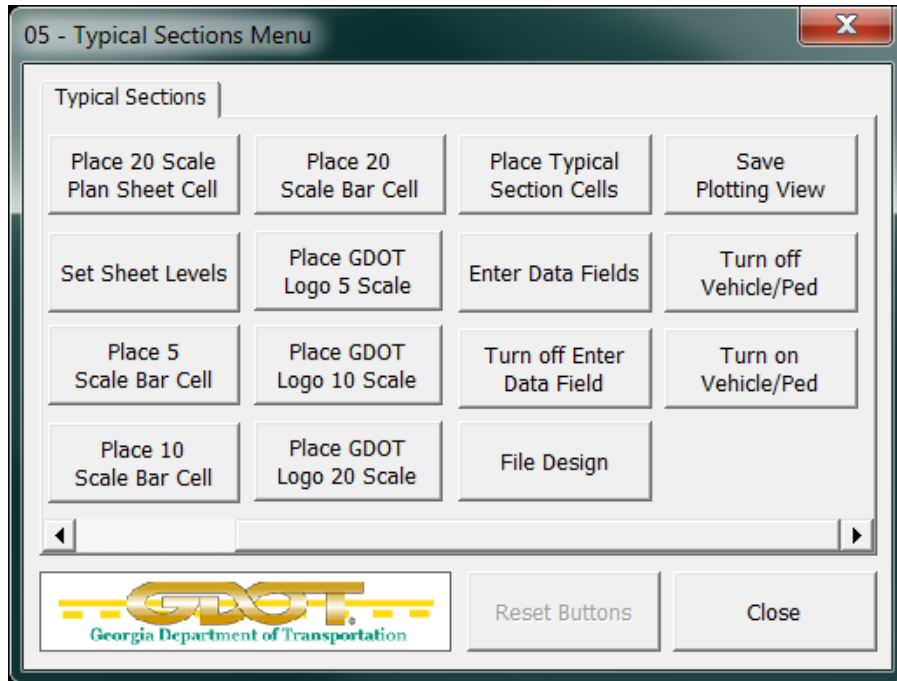
- **Place Gen Notes Sheet Cell** – Places the “GPLN” cell from the GDOT-GN-SHEETS cell library at a scale of 1.
- **Set Levels** – Sets the sheet DGN file levels as per the EDG requirements.
- **Enter Data Fields** – Use to fill in the data fields on the Cover Sheet cell. This command will not be disabled after use, allowing the user to use this command as needed without have to use the “Reset” button.
- **Turn off Enter Data Fields** – Turns off the Data Fields for View 1.
- **Place GDOT Logo 1 Scale** – Places the “GLOGO” cell from the GDOT-GN-SHEETS cell library at a scale of 1.
- **File Design** – Saves the current view settings.
- **Save Plotting View** – Saves the plotting view from View 1 for use by the GPlot Utility.
- **Remaining buttons (above the slider bar)** – Place cells as described on each button.
- **Reset Buttons** – Enables any disabled commands to allow those commands to be accessed multiple times.
- **Close** – Closes the “04 – General Notes Menu” and returns the user to the “Root Menu”.

## 3-7 05-Typical Sections



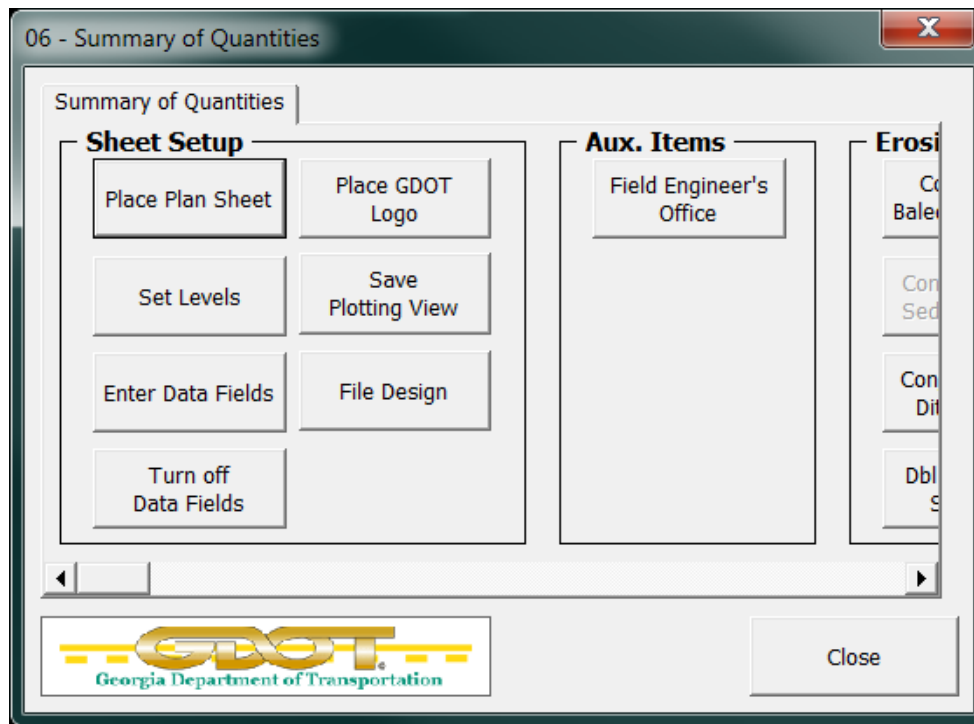
- **Attach Reference File** – Attaches the TYPs reference file to the Typical Section Sheet DGN file as per the EDG requirements. *(Please note this step is optional. The user may place multiple typical section sheets in a single DGN file. In addition the user may place all typical section cells directly in the sheet file.)*
- **Set Reference File Levels** – Sets the TYPs reference file levels as per the EDG requirements. *(Please note that as with the Attach Reference File command this step is not required unless the user is utilizing the TYPs reference file.)*
- **Place x Scale Plan Sheet Cell** – Places the “GPLN” cell from the GDOT-GN-SHEETS cell library at a scale of 5, 10 or 20.
- **Set Sheet Levels** – Sets the sheet DGN file levels as per the EDG requirements.
- **Place x Scale Bar Cell** – Places the scale bar cell at a scale of 5, 10 or 20.
- **Place GDOT Logo x Scale** – Places the “GLOGO” cell from the GDOT-GN-SHEETS cell library at a scale of 20, 50 or 100.
- **Place Typical Section Cells** – Closes the “05 – Typical Sections Menu” and opens the “[TYPs] Dgn” menu to allow the user to place typical section cells as required.
- **Enter Data Fields** – Use to fill in the data fields on the Cover Sheet cell. This command will not be disabled after use, allowing the user to use this command as needed without have to use the “Reset” button.
- **Turn off Enter Data Fields** – Turns off the Data Fields for View 1.
- **File Design** – Saves the current view settings.
- **Save Plotting View** – Saves the plotting view from View 1 for use by the GPlot Utility.
- **Turn off Vehicle/Ped** – Turns off levels displaying the vehicle and pedestrian cells.
- **Turn on Vehicle/Ped** - Turns on levels displaying the vehicle and pedestrian cells.

### 3-7 05-Typical Sections (continued)



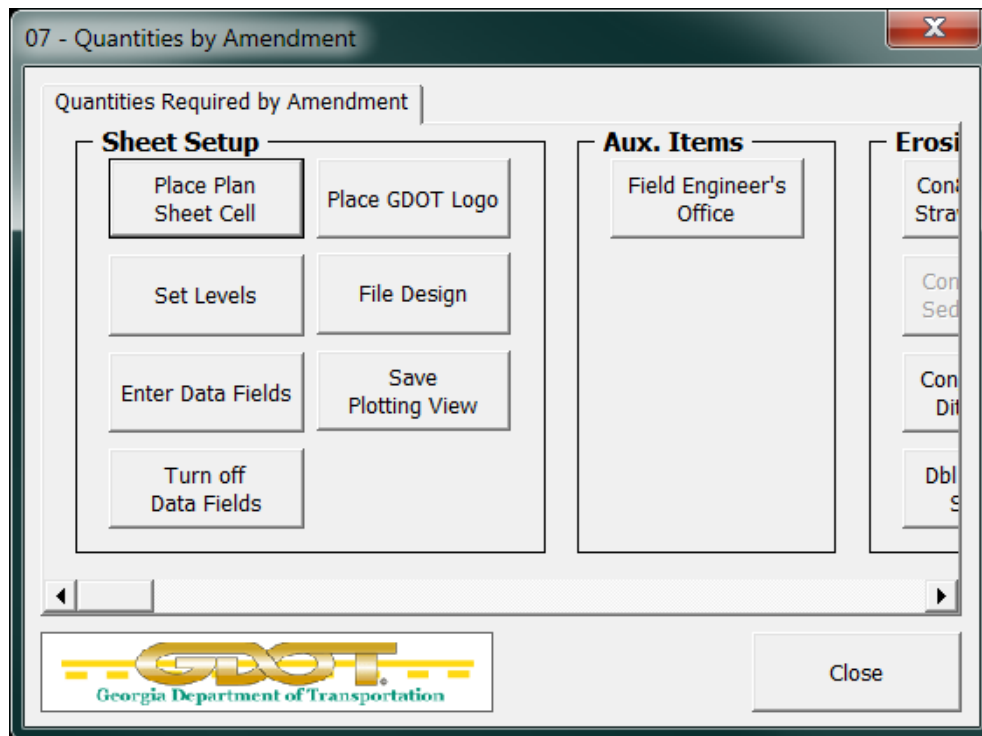
- **Reset Buttons** – Enables any disabled commands to allow those commands to be accessed multiple times.
- **Close** – Closes the “05 – Typical Sections Menu” and returns the user to the “Root Menu”.

## 3-8 06 Summary of Quantities



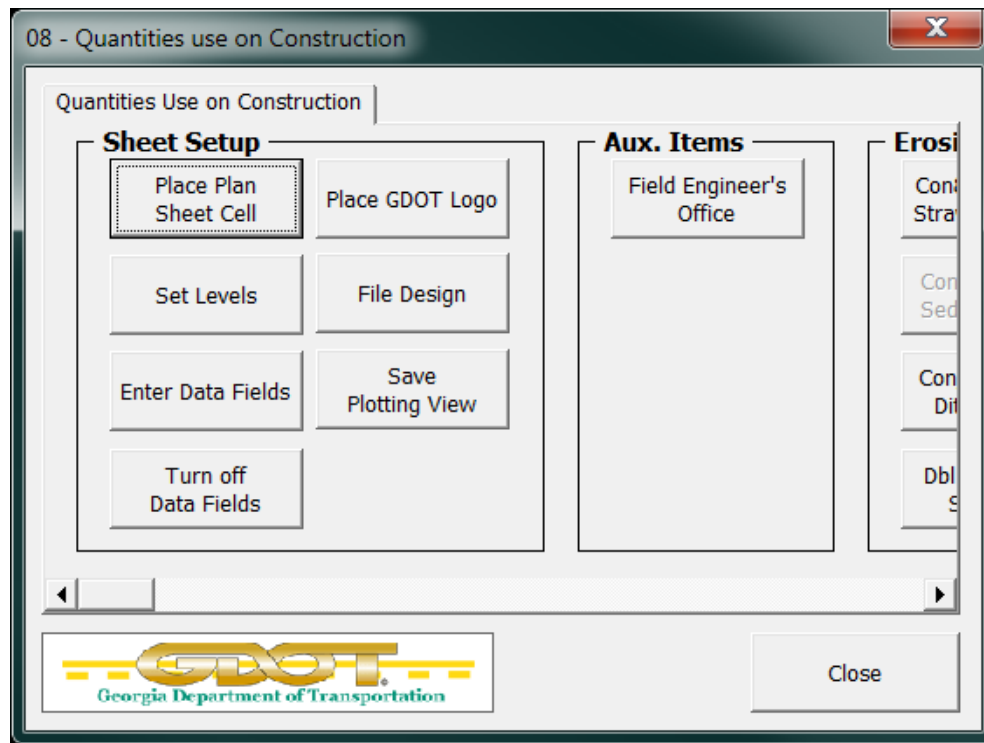
- **Place Plan Sheet Cell** – Places the “GPLN” cell from the GDOT-GN-SHEETS cell library at a scale of 1.
- **Set Levels** – Sets the sheet DGN file levels as per the EDG requirements.
- **Enter Data Fields** – Use to fill in the data fields on the Cover Sheet cell. This command will not be disabled after use, allowing the user to use this command as needed without have to use the “Reset” button.
- **Turn off Enter Data Fields** – Turns off the Data Fields for View 1.
- **Place GDOT Logo** – Places the “GLOGO” cell from the GDOT-GN-SHEETS cell library at a scale of 1.
- **File Design** – Saves the current view settings.
- **Save Plotting View** – Saves the plotting view from View 1 for use by the GPlot Utility.
- **File Design** – Saves the current view settings.
- **Remaining buttons (above the slider bar)** – Place cells as described on each button.
- **Reset** – Enables any disabled commands to allow those commands to be accessed multiple times.
- **Close** – Closes the “06 – Summary of Quantities” menu and returns the user to the “Root Menu”.

### 3-9 07-Quantities by Amendment



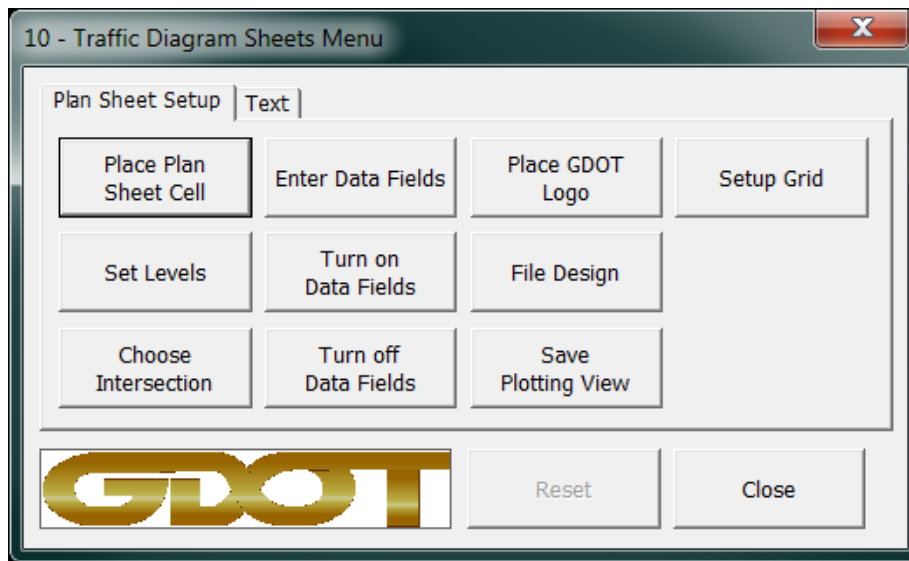
- **Place Plan Sheet Cell** – Places the “GPLN” cell from the GDOT-GN-SHEETS cell library at a scale of 1.
- **Set Levels** – Sets the sheet DGN file levels as per the EDG requirements.
- **Enter Data Fields** – Use to fill in the data fields on the Cover Sheet cell. This command will not be disabled after use, allowing the user to use this command as needed without have to use the “Reset” button.
- **Turn off Enter Data Fields** – Turns off the Data Fields for View 1.
- **Place GDOT Logo** – Places the “GLOGO” cell from the GDOT-GN-SHEETS cell library at a scale of 1.
- **File Design** – Saves the current view settings.
- **Save Plotting View** – Saves the plotting view from View 1 for use by the GPlot Utility.
- **File Design** – Saves the current view settings.
- **Remaining buttons (above the slider bar)** – Place cells as described on each button.
- **Reset** – Enables any disabled commands to allow those commands to be accessed multiple times.
- **Close** – Closes the “07 – Quantities by Amendment” menu and returns the user to the “Root Menu”.

### 3-10 08-Quantities use on Construction



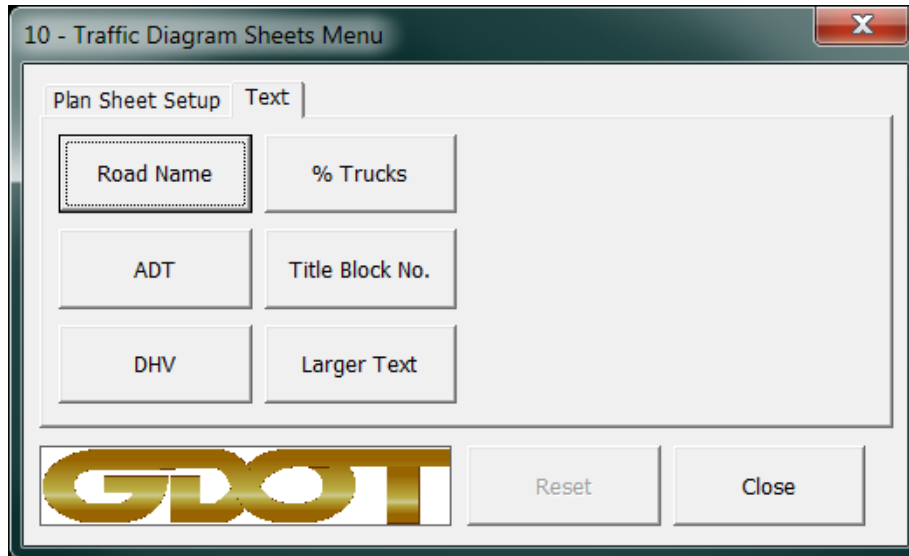
- **Place Plan Sheet Cell** – Places the “GPLN” cell from the GDOT-GN-SHEETS cell library at a scale of 1.
- **Set Levels** – Sets the sheet DGN file levels as per the EDG requirements.
- **Enter Data Fields** – Use to fill in the data fields on the Cover Sheet cell. This command will not be disabled after use, allowing the user to use this command as needed without have to use the “Reset” button.
- **Turn off Enter Data Fields** – Turns off the Data Fields for View 1.
- **Place GDOT Logo** – Places the “GLOGO” cell from the GDOT-GN-SHEETS cell library at a scale of 1.
- **File Design** – Saves the current view settings.
- **Save Plotting View** – Saves the plotting view from View 1 for use by the GPlot Utility.
- **File Design** – Saves the current view settings.
- **Remaining buttons (above the slider bar)** – Place cells as described on each button.
- **Reset** – Enables any disabled commands to allow those commands to be accessed multiple times.
- **Close** – Closes the “08 – Quantities use on Construction” menu and returns the user to the “Root Menu”.

### 3-11 10-Traffic Diagram Sheets



- **Place Plan Sheet Cell** – Places the “GPLN” cell from the GDOT-GN-SHEETS cell library at a default scale of 20. User may over-ride the default scale after the command has been selected by keying in “AS=1000” etc... before pressing the Data Button.
- **Set Levels** – Sets the sheet DGN file levels and the reference file levels as per the EDG requirements.
- **Choose Intersection** – Opens the MicroStation “Cell Selector” utility to allow user to place various intersection cells.
- **Enter Data Fields** – Use to fill in the data fields on the Plan Sheet cell. This command will not be disabled after use, allowing the user to use this command as needed without have to use the “Reset” button.
- **Turn on Data Fields** – Turns on the Data Fields for View 1.
- **Turn off Data Fields** – Turns off the Data Fields for View 1.
- **Place GDOT Logo** – Places the “GLOGO” cell from the GDOT-GN-SHEETS cell library at a scale of 20. User may over-ride the default scale after the command has been selected by keying in “AS=1000” etc... before pressing the Data Button.
- **File Design** – Saves the current view settings.
- **Save Plotting View** – Saves the plotting view from View 1 for use by the GPlot Utility.
- **Setup Grid** – Turns the design grid ticks on. (Optional)
- **Reset** – Enables any disabled commands to allow those commands to be accessed multiple times.
- **Close** – Closes the “10 – Traffic Diagram Sheets” menu and returns the user to the “Root Menu”.

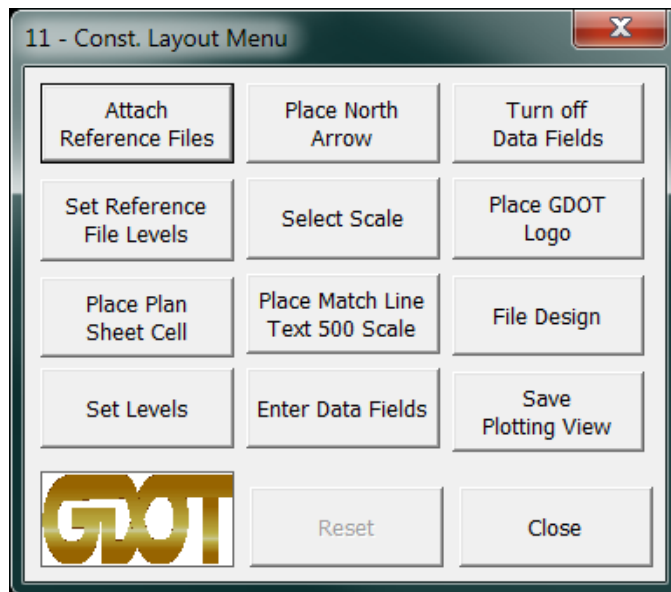
### 3-11 10-Traffic Diagram Sheets (Continued)



- **Road Name** – Places the “GPLN” cell from the GDOT-GN-SHEETS cell library at a default scale of 20. User may over-ride the default scale after the command has been selected by keying in “AS=1000” etc... before pressing the Data Button.
- **ADT** – Sets the sheet DGN file levels and the reference file levels as per the EDG requirements.
- **DHV** – Opens the MicroStation “Cell Selector” utility to allow user to place various intersection cells.
- **% Trucks** – Use to fill in the data fields on the Plan Sheet cell. This command will not be disabled after use, allowing the user to use this command as needed without have to use the “Reset” button.
- **Title Block No.** – Turns on the Data Fields for View 1.
- **Larger Text** – Turns off the Data Fields for View 1.
- **Reset** – Enables any disabled commands to allow those commands to be accessed multiple times.
- **Close** – Closes the “10 – Traffic Diagram Sheets” menu and returns the user to the “Root Menu”.

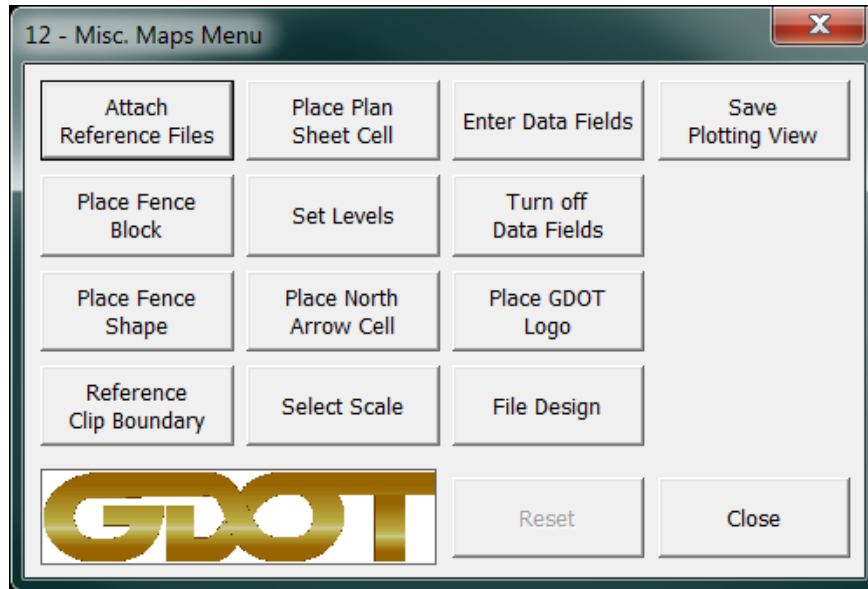


## 3-12 11-Construction Layout



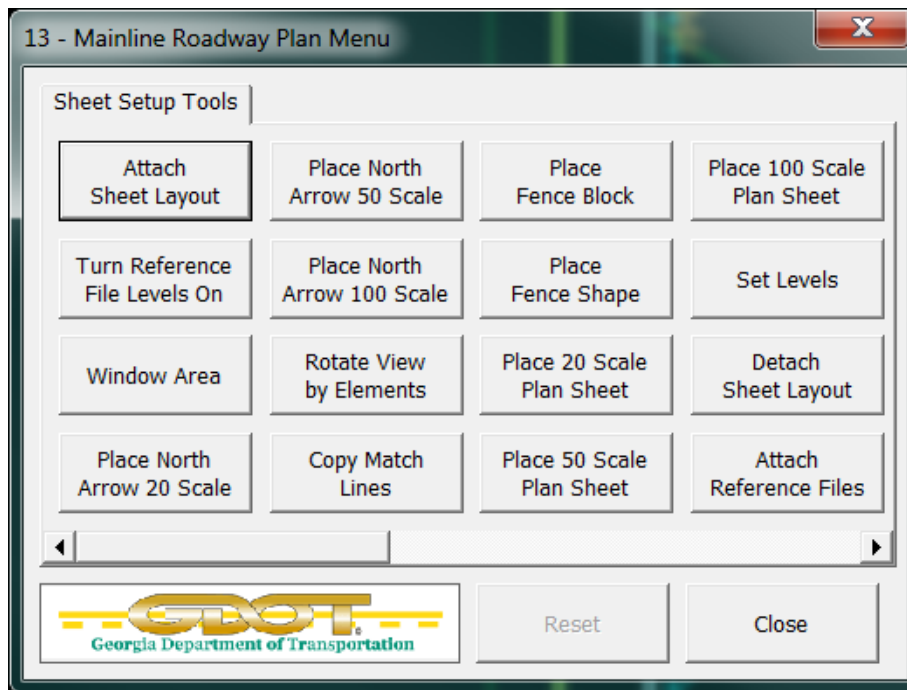
- **Attach Reference Files** – Attaches the reference DGN files as per the EDG requirements.
- **Set Reference File Levels** – Sets the reference DGN file levels as per the EDG requirements.
- **Place Plan Sheet Cell** – Places the “GPLN” cell from the GDOT-GN-SHEETS cell library at a default scale of 500. User may over-ride the default scale after the command has been selected by keying in “AS=1000” etc... before pressing the Data Button.
- **Set Levels** – Sets the sheet DGN file levels and the reference file levels as per the EDG requirements.
- **Place North Arrow** – Places the “NARROW” cell from the GDOT-GN-SHEETS cell library at a default scale of 500. User may over-ride the default scale after the command has been selected by keying in “AS=1000” etc... before pressing the Data Button.
- **Select Scale** – Opens the GDOT-GN-SHEETS cell library via the MicroStation Cell Selector utility. User will select the appropriate scale bar cell and place it on the Cover Sheet cell.
- **Place Match Line Text 500 Scale** - Places match line text for use at either end of the plan sheet coverage limits at a scale of 500.
- **Enter Data Fields** – Use to fill in the data fields on the Cover Sheet cell. This command will not be disabled after use, allowing the user to use this command as needed without have to use the “Reset” button.
- **Turn off Enter Data Fields** – Turns off the Data Fields for View 1.
- **Place GDOT Logo** – Places the “GLOGO” cell from the GDOT-GN-SHEETS cell library at a scale of 500. User may over-ride the default scale after the command has been selected by keying in “AS=1000” etc... before pressing the Data Button.
- **File Design** – Saves the current view settings.
- **Save Plotting View** – Saves the plotting view from View 1 for use by the GPlot Utility.
- **Reset** – Enables any disabled commands to allow those commands to be accessed multiple times.
- **Close** – Closes the “11 – Const. Layout Menu” and returns the user to the “Root Menu”.

### 3-13 12-Miscellaneous Maps



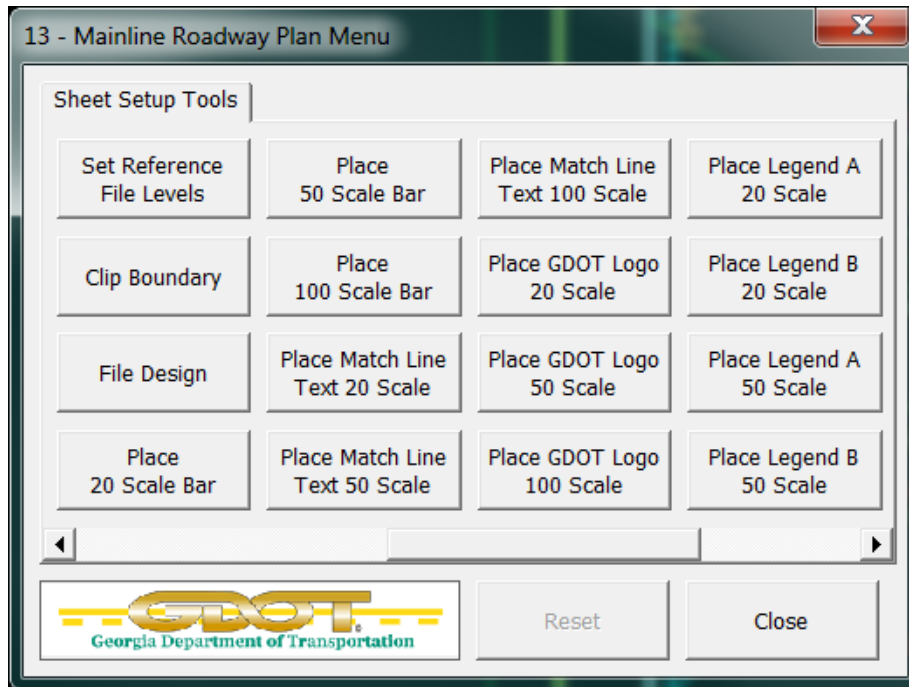
- **Attach Reference Files** – Attaches the reference DGN files as per the EDG requirements.
- **Place Fence Block / Place Fence Shape** – Use to place a Fence Shape or Block to be used for Clipping the reference files.
- **Reference Clip Boundary** - Clips reference files and saves the view settings.
- **Place Plan Sheet Cell** – Places the “GPLN” cell from the GDOT-GN-SHEETS cell library at a default scale of 500. User may over-ride the default scale after the command has been selected by keying in “AS=1000” etc... before pressing the Data Button.
- **Set Levels** – Sets the sheet DGN file levels and the reference file levels as per the EDG requirements.
- **Place North Arrow** – Places the “NARROW” cell from the GDOT-GN-SHEETS cell library at a default scale of 500. User may over-ride the default scale after the command has been selected by keying in “AS=1000” etc... before pressing the Data Button.
- **Select Scale** – Opens the GDOT-GN-SHEETS cell library via the MicroStation Cell Selector utility. User will select the appropriate scale bar cell and place it on the Cover Sheet cell.
- **Enter Data Fields** – Use to fill in the data fields on the Cover Sheet cell. This command will not be disabled after use, allowing the user to use this command as needed without have to use the “Reset” button.
- **Turn off Enter Data Fields** – Turns off the Data Fields for View 1.
- **Place GDOT Logo** – Places the “GLOGO” cell from the GDOT-GN-SHEETS cell library at a scale of 500. User may over-ride the default scale after the command has been selected by keying in “AS=1000” etc... before pressing the Data Button.
- **File Design** – Saves the current view settings.
- **Save Plotting View** – Saves the plotting view from View 1 for use by the GPlot Utility.
- **Reset** – Enables any disabled commands to allow those commands to be accessed multiple times.
- **Close** – Closes the “12 – Misc. Maps Menu” and returns the user to the “Root Menu”.

### 3-14 13-Mainline Roadway Plan



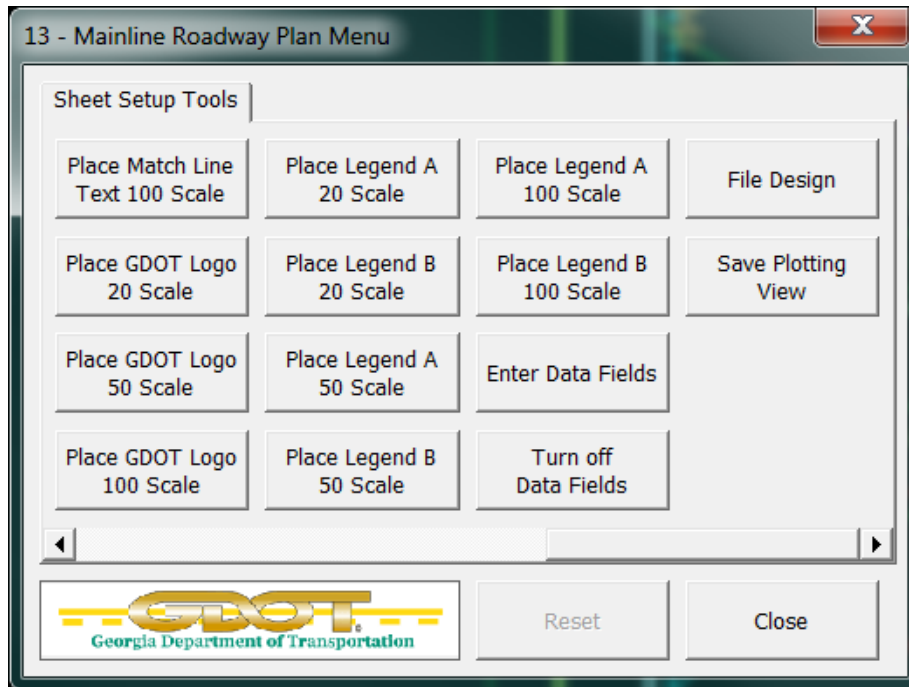
- **Attach Sheet Layout** – Attaches the SheetLayout.dgn file.
- **Turn Reference File Levels On** – Turns on the SheetLayout DGN reference file levels ONLY.
- **Window Area** – Window area to the appropriate area to place the new plan sheet cell.
- **Place North Arrow x Scale** – Places the “NARROW” cell from the GDOT-GN-SHEETS cell library at the scale identified on each of the three options.
- **Rotate View by Elements** – User will enter a Data button on the top line of the clip border for the appropriate sheet to be created.
- **Copy Match Lines** – Allows user to copy the match lines from the SheetLayout DGN reference file into the plan sheet file.
- **Place Fence Block / Place Fence Shape** – Use to place a Fence Shape or Block to be used for Clipping the reference files.
- **Place x Scale Plan Sheet** – Places the “GPLN” cell from the GDOT-GN-SHEETS cell library at the scale identified on each of the three options.
- **Set Levels** – Sets the sheet DGN file levels and the reference file levels as per the EDG requirements.
- **Detach Sheet Layout** – Detaches the SheetLayout.DGN reference file.
- **Attach Reference Files** – Attaches the reference DGN files as per the EDG requirements.

### 3-14 13-Mainline Roadway Plan (continued)



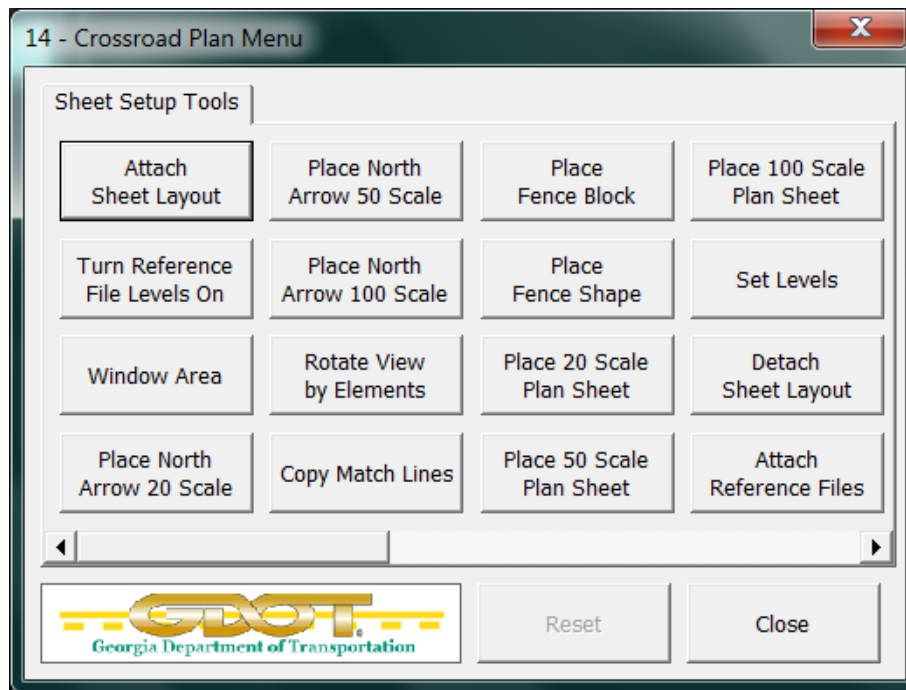
- **Set Reference File Levels** – Sets the reference dgn file levels as per the EDG requirements.
- **Clip Boundary** - Clips reference dgn files.
- **File Design** – Saves the current view settings.
- **Place x Scale Bar Cell** – Places the scale bar cell at a scale of 20, 50 or 100.
- **Place Match Line Text x Scale** – Places match line text for use at either end of the plan sheet coverage limits at a scale of 20, 50 or 100.
- **Place GDOT Logo x Scale** – Places the “GLOGO” cell from the GDOT-GN-SHEETS cell library at a scale of 20, 50 or 100.
- **Place Legend ...** - Place legend cells at a scale of 20, 50 or 100.

### 3-14 13-Mainline Roadway Plan (continued)



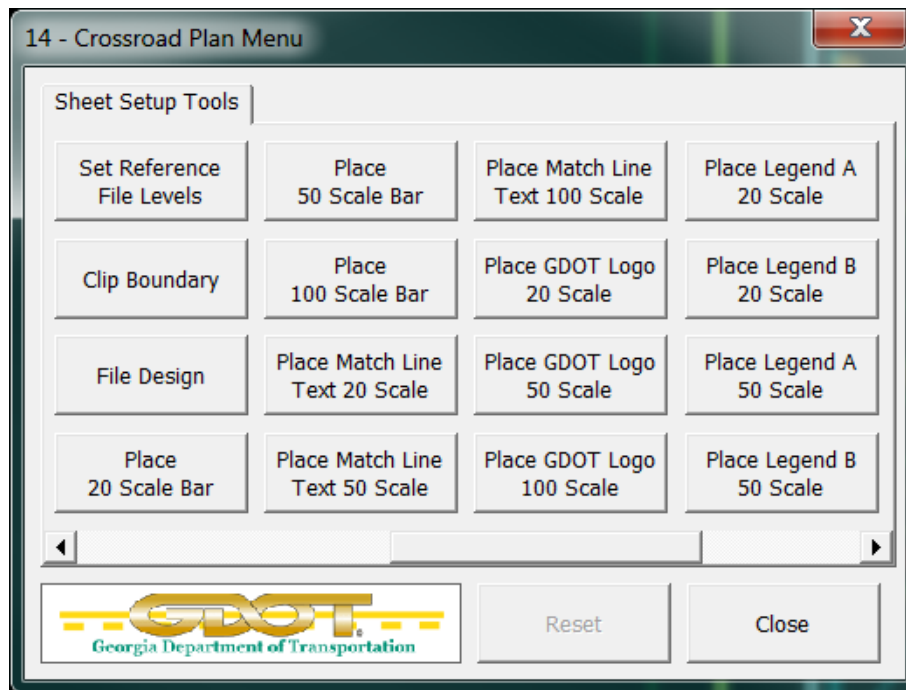
- **Enter Data Fields** – Use to fill in the data fields on the Plan Sheet cell. This command will not be disabled after use, allowing the user to use this command as needed without have to use the “Reset” button.
- **Turn off Enter Data Fields** – Turns off the Data Fields for View 1.
- **File Design** – Saves the current view settings.
- **Save Plotting View** – Saves the plotting view from View 1 for use by the GPlot Utility.
- **Reset** – Enables any disabled commands to allow those commands to be accessed multiple times.
- **Close** – Closes the “13 – Mainline Roadway Plan Menu” and returns the user to the “Root Menu”.

### 3-15 14-Crossroad Plan



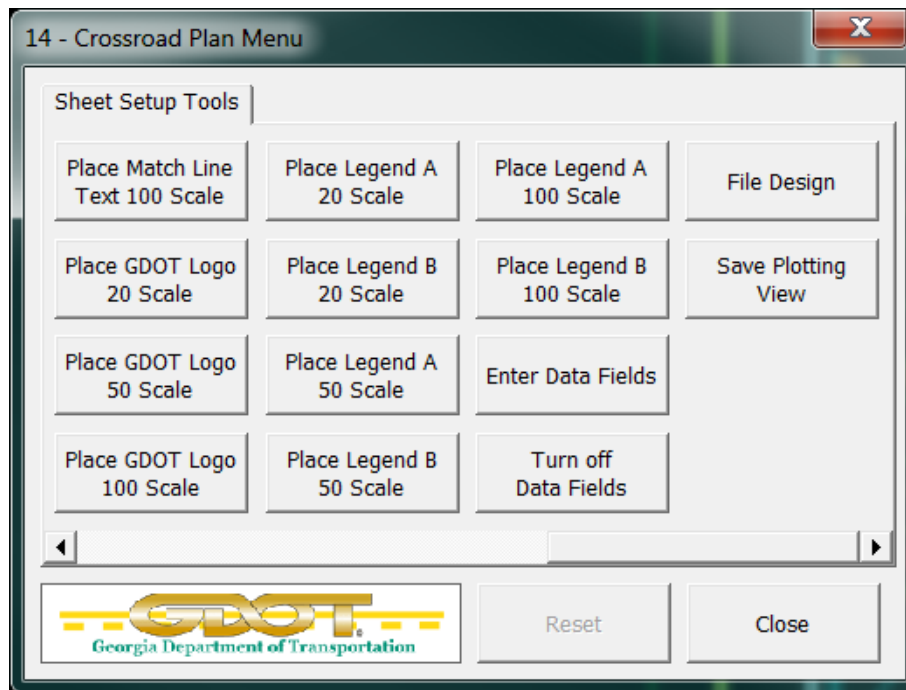
- **Attach Sheet Layout** – Attaches the SheetLayout.dgn file.
- **Turn Reference File Levels On** – Turns on the SheetLayout DGN reference file levels ONLY.
- **Window Area** – Window area to the appropriate area to place the new plan sheet cell.
- **Place North Arrow x Scale** – Places the “NARROW” cell from the GDOT-GN-SHEETS cell library at the scale identified on each of the three options.
- **Rotate View by Elements** – User will enter a Data button on the top line of the clip border for the appropriate sheet to be created.
- **Copy Match Lines** – Allows user to copy the match lines from the SheetLayout DGN reference file into the plan sheet file.
- **Place Fence Block / Place Fence Shape** – Use to place a Fence Shape or Block to be used for Clipping the reference files.
- **Place x Scale Plan Sheet** – Places the “GPLN” cell from the GDOT-GN-SHEETS cell library at the scale identified on each of the three options.
- **Set Levels** – Sets the sheet DGN file levels and the reference file levels as per the EDG requirements.
- **Detach Sheet Layout** – Detaches the SheetLayout.DGN reference file.
- **Attach Reference Files** – Attaches the reference DGN files as per the EDG requirements.

### 3-15 14-Crossroad Plan (continued)



- **Set Reference File Levels** – Sets the reference dgn file levels as per the EDG requirements.
- **Clip Boundary** - Clips reference dgn files.
- **File Design** – Saves the current view settings.
- **Place x Scale Bar Cell** – Places the scale bar cell at a scale of 20, 50 or 100.
- **Place Match Line Text x Scale** – Places match line text for use at either end of the plan sheet coverage limits at a scale of 20, 50 or 100.
- **Place GDOT Logo x Scale** – Places the “GLOGO” cell from the GDOT-GN-SHEETS cell library at a scale of 20, 50 or 100.
- **Place Legend ...** - Place legend cells at a scale of 20, 50 or 100.

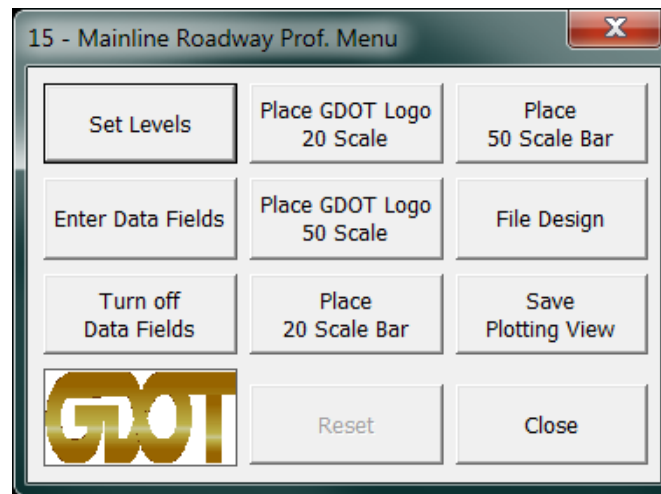
### 3-15 14-Crossroad Plan (continued)



- **Enter Data Fields** – Use to fill in the data fields on the Plan Sheet cell. This command will not be disabled after use, allowing the user to use this command as needed without have to use the “Reset” button.
- **Turn off Enter Data Fields** – Turns off the Data Fields for View 1.
- **File Design** – Saves the current view settings.
- **Save Plotting View** – Saves the plotting view from View 1 for use by the GPlot Utility.
- **Reset** – Enables any disabled commands to allow those commands to be accessed multiple times.
- **Close** – Closes the “14 – Crossroad Plan Menu” and returns the user to the “Root Menu”.

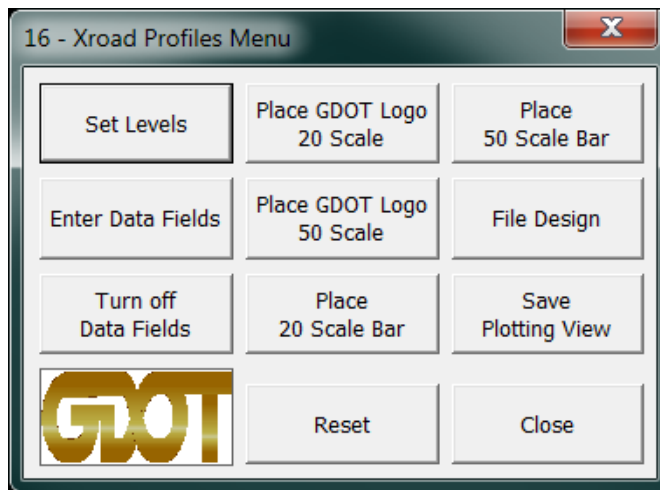


### 3-16 15-Mainline Roadway Profile



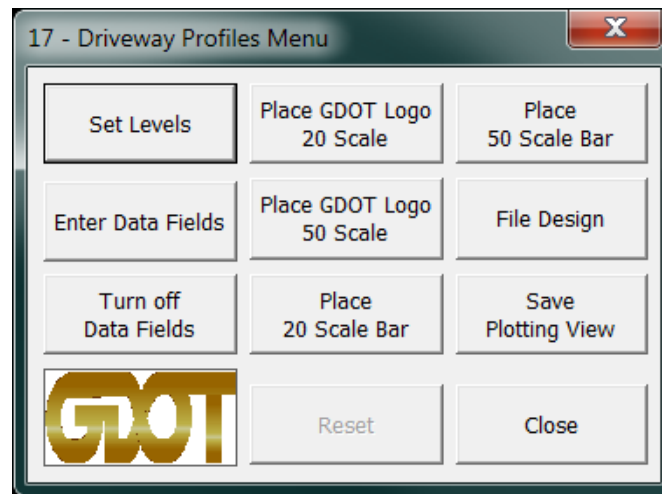
- **Set Levels** – Sets the sheet DGN file levels as per the EDG requirements.
- **Enter Data Fields** – Use to fill in the data fields on the Plan Sheet cell. This command will not be disabled after use, allowing the user to use this command as needed without have to use the “Reset” button.
- **Turn off Enter Data Fields** – Turns off the Data Fields for View 1.
- **Place GDOT Logo x Scale** – Places the “GLOGO” cell from the GDOT-GN-SHEETS cell library at a scale of 20 or 50.
- **Place x Scale Bar Cell** – Places the scale bar cell at a scale of 20 or 50.
- **File Design** – Saves the current view settings.
- **Save Plotting View** – Saves the plotting view from View 1 for use by the GPlot Utility.
- **Reset** – Enables any disabled commands to allow those commands to be accessed multiple times.
- **Close** – Closes the “15 – Mainline Roadway Profiles” menu and returns the user to the “Root Menu”.

### 3-17 16-Xroad Profile



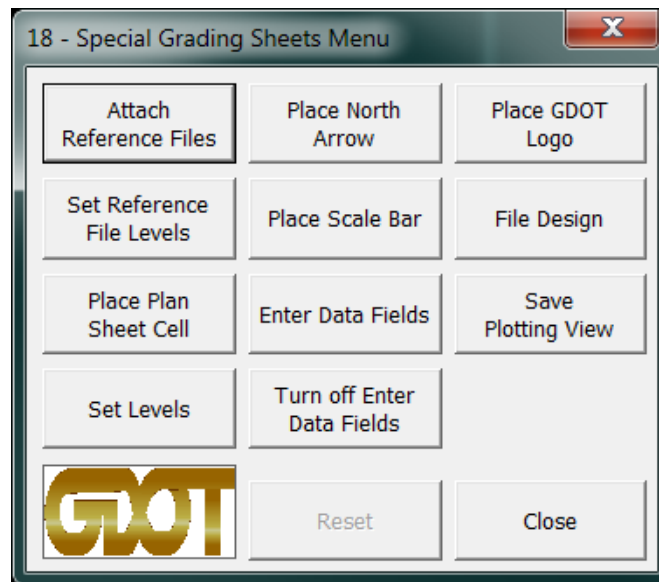
- **Set Levels** – Sets the sheet DGN file levels as per the EDG requirements.
- **Enter Data Fields** – Use to fill in the data fields on the Plan Sheet cell. This command will not be disabled after use, allowing the user to use this command as needed without have to use the “Reset” button.
- **Turn off Enter Data Fields** – Turns off the Data Fields for View 1.
- **Place GDOT Logo x Scale** – Places the “GLOGO” cell from the GDOT-GN-SHEETS cell library at a scale of 20 or 50.
- **Place x Scale Bar Cell** – Places the scale bar cell at a scale of 20 or 50.
- **File Design** – Saves the current view settings.
- **Save Plotting View** – Saves the plotting view from View 1 for use by the GPlot Utility.
- **Reset** – Enables any disabled commands to allow those commands to be accessed multiple times.
- **Close** – Closes the “16 – Xroad Profiles Menu” menu and returns the user to the “Root Menu”.

### 3-18 17-Driveway Profile



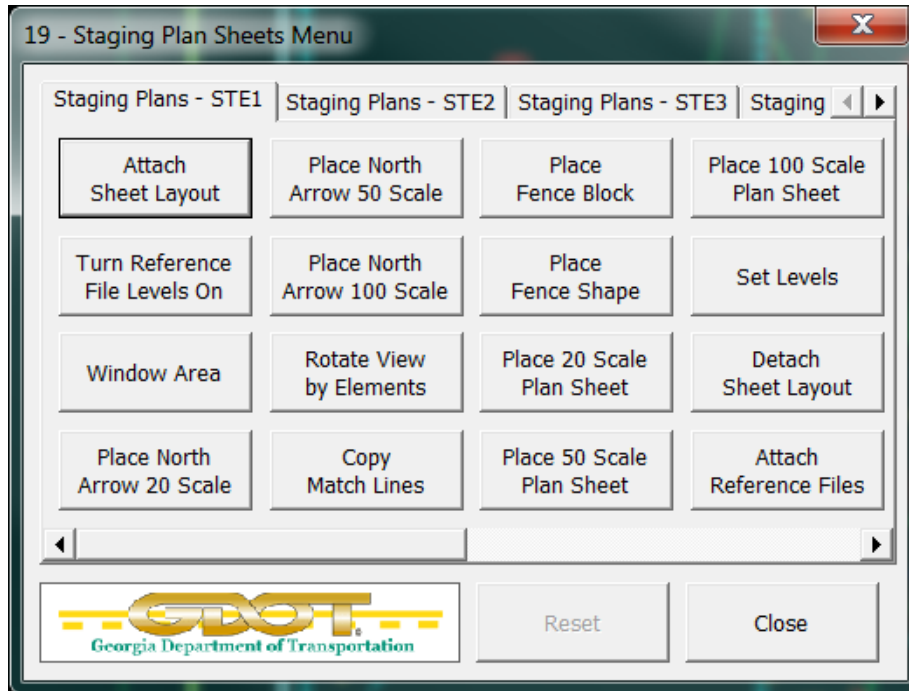
- **Set Levels** – Sets the sheet DGN file levels as per the EDG requirements.
- **Enter Data Fields** – Use to fill in the data fields on the Plan Sheet cell. This command will not be disabled after use, allowing the user to use this command as needed without have to use the “Reset” button.
- **Turn off Enter Data Fields** – Turns off the Data Fields for View 1.
- **Place GDOT Logo x Scale** – Places the “GLOGO” cell from the GDOT-GN-SHEETS cell library at a scale of 20 or 50.
- **Place x Scale Bar Cell** – Places the scale bar cell at a scale of 20 or 50.
- **File Design** – Saves the current view settings.
- **Save Plotting View** – Saves the plotting view from View 1 for use by the GPlot Utility.
- **Reset** – Enables any disabled commands to allow those commands to be accessed multiple times.
- **Close** – Closes the “17 – Driveway Profiles Menu” and returns the user to the “Root Menu”.

### 3-19 18-Special Grading Sheets



- **Attach Reference Files** – Attaches the reference DGN files as per the EDG requirements.
- **Set Reference File Levels** – Sets the reference dgn file levels as per the EDG requirements.
- **Place Plan Sheet Cell** – Places the “GPLN” cell from the GDOT-GN-SHEETS cell library at a default scale of 500. User may over-ride the default scale after the command has been selected by keying in “AS=1000” etc... before pressing the Data Button.
- **Set Levels** – Sets the sheet DGN file levels and the reference DGN file levels as per the EDG requirements.
- **Place North Arrow** – Places the “NARROW” cell from the GDOT-GN-SHEETS cell library at a default scale of 500. User may over-ride the default scale after the command has been selected by keying in “AS=1000” etc... before pressing the Data Button.
- **Place Scale Bar** – Opens the GDOT-GN-SHEETS cell library via the MicroStation Cell Selector utility. User will select the appropriate scale bar cell and place it on the Cover Sheet cell.
- **Enter Data Fields** – Use to fill in the data fields on the Plan Sheet cell. This command will not be disabled after use, allowing the user to use this command as needed without have to use the “Reset” button.
- **Turn off Enter Data Fields** – Turns off the Data Fields for View 1.
- **Place GDOT Logo** – Places the “GLOGO” cell from the GDOT-GN-SHEETS cell library at a scale of 500. User may over-ride the default scale after the command has been selected by keying in “AS=1000” etc... before pressing the Data Button.
- **File Design** – Saves the current view settings.
- **Save Plotting View** – Saves the plotting view from View 1 for use by the GPlot Utility.
- **Reset** – Enables any disabled commands to allow those commands to be accessed multiple times.
- **Close** – Closes the “18 – Special Grading Sheets” menu and returns the user to the “Root Menu”.

## 3-20 19-Staging Plan



*“Staging Plans – STE1” tab*

Select STE1 through STE5 for appropriate stage. All five STE menus contain the same commands.

- **Attach Sheet Layout** – Attaches the SheetLayout.dgn file.
- **Turn Reference File Levels On** – Turns on the SheetLayout DGN reference file levels ONLY.
- **Window Area** – Window area to the appropriate area to place the new plan sheet cell.
- **Place North Arrow x Scale** – Places the “NARROW” cell from the GDOT-GN-SHEETS cell library at the scale identified on each of the three options.
- **Rotate View by Elements** – User will enter a Data button on the top line of the clip border for the appropriate sheet to be created.
- **Copy Match Lines** – Allows user to copy the match lines from the SheetLayout DGN reference file into the plan sheet file.
- **Place Fence Block / Place Fence Shape** – Use to place a Fence Shape or Block to be used for Clipping the reference files.
- **Place x Scale Plan Sheet** – Places the “GPLN” cell from the GDOT-GN-SHEETS cell library at the scale identified on each of the three options.
- **Set Levels** – Sets the sheet DGN file levels and the reference file levels as per the EDG requirements.
- **Detach Sheet Layout** – Detaches the SheetLayout.DGN reference file.
- **Attach Reference Files** – Attaches the reference DGN files as per the EDG requirements.

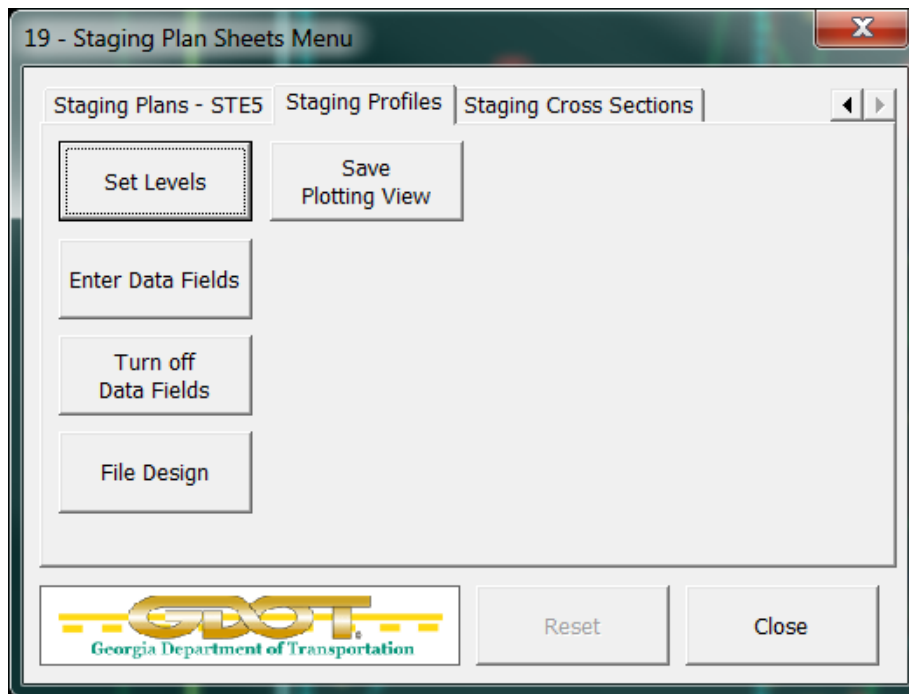
### 3-20 19-Staging Plan (continued)



*“Staging Plans – STE1” tab*

- **Set Reference File Levels** – Sets the reference dgn file levels as per the EDG requirements.
- **Clip Boundary** - Clips reference dgn files.
- **File Design** – Saves the current view settings.
- **Place x Scale Bar Cell** – Places the scale bar cell at a scale of 20, 50 or 100.
- **Place Match Line Text x Scale** – Places match line text for use at either end of the plan sheet coverage limits at a scale of 20, 50 or 100.
- **Place Staging Legend x Scale** - Place legend cells at a scale of 20, 50 or 100.
- **Enter Data Fields** – Use to fill in the data fields on the Plan Sheet cell. This command will not be disabled after use, allowing the user to use this command as needed without have to use the “Reset” button.
- **Turn off Enter Data Fields** – Turns off the Data Fields for View 1.
- **File Design** – Saves the current view settings.
- **Save Plotting View** – Saves the plotting view from View 1 for use by the GPlot Utility.
- **Reset** – Enables any disabled commands to allow those commands to be accessed multiple times.
- **Close** – Closes the “19 – Staging Plan Sheets Menu” and returns the user to the “Root Menu”.

## 3-20 19-Staging Plan (continued)

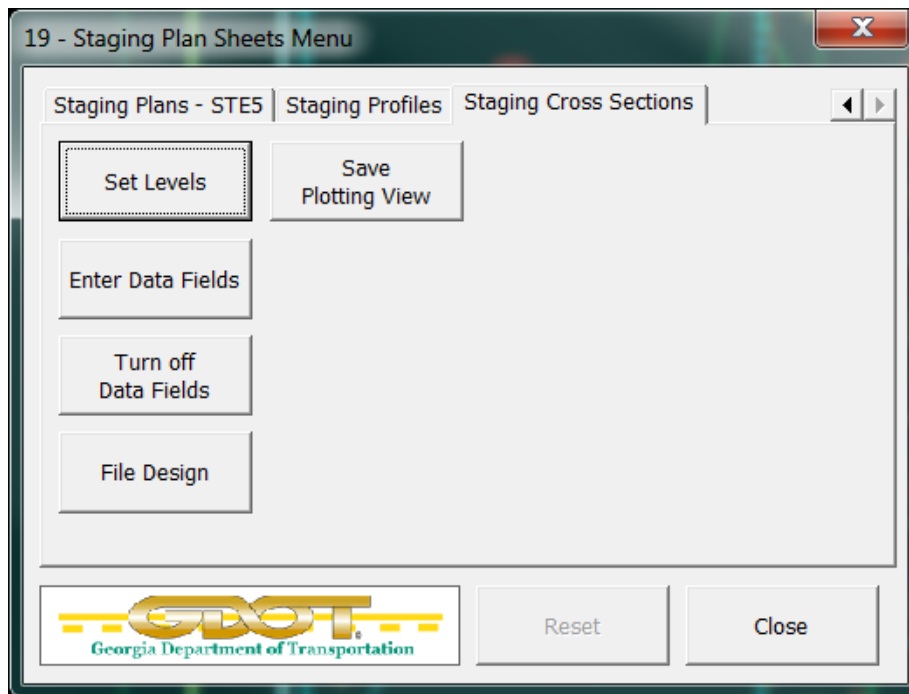


*“Staging Profiles” tab*

*Select Staging Profiles for Staging Profile Sheets (all stages).*

- **Set Levels** – Sets the sheet DGN file levels as per the EDG requirements.
- **Enter Data Fields** – Use to fill in the data fields on the Plan Sheet cell. This command will not be disabled after use, allowing the user to use this command as needed without have to use the “Reset” button.
- **Turn off Enter Data Fields** – Turns off the Data Fields for View 1.
- **File Design** – Saves the current view settings.
- **Save Plotting View** – Saves the plotting view from View 1 for use by the GPlot Utility.
- **Reset** – Enables any disabled commands to allow those commands to be accessed multiple times.
- **Close** – Closes the “19 – Staging Plan Sheets Menu” menu and returns the user to the “Root Menu”.

### 3-20 19-Staging Plan (continued)



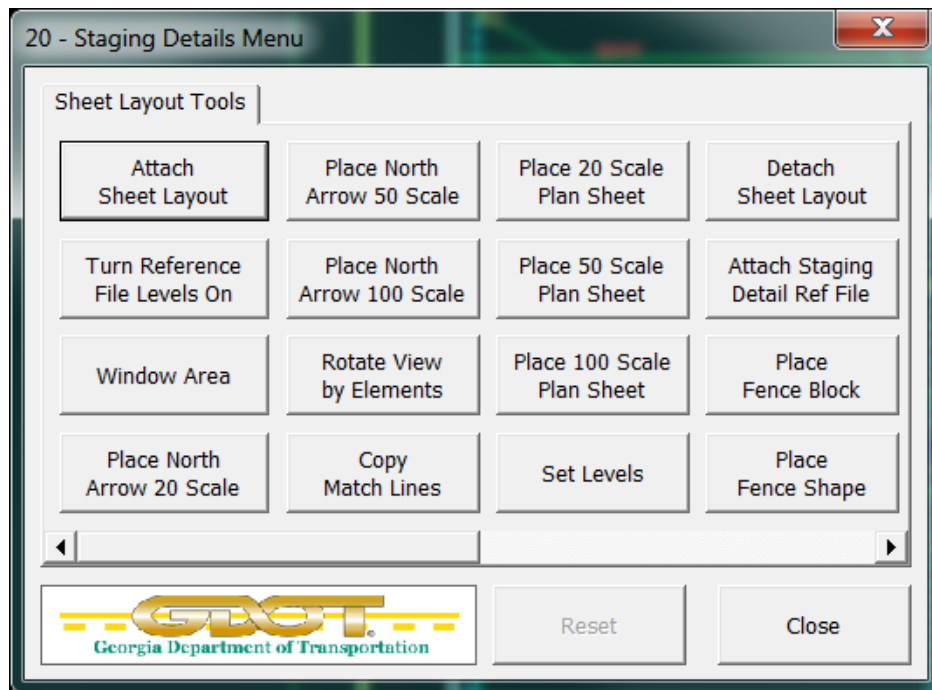
*“Staging Cross Sections” tab*

Select Staging Cross Sections for Staging Cross Section Sheets (all stages).

- **Set Levels** – Sets the sheet DGN file levels as per the EDG requirements.
- **Enter Data Fields** – Use to fill in the data fields on the Plan Sheet cell. This command will not be disabled after use, allowing the user to use this command as needed without have to use the “Reset” button.
- **Turn off Enter Data Fields** – Turns off the Data Fields for View 1.
- **File Design** – Saves the current view settings.
- **Save Plotting View** – Saves the plotting view from View 1 for use by the GPlot Utility.
- **Reset** – Enables any disabled commands to allow those commands to be accessed multiple times.
- **Close** – Closes the “19 – Staging Plan Sheets Menu” and returns the user to the “Root Menu”.

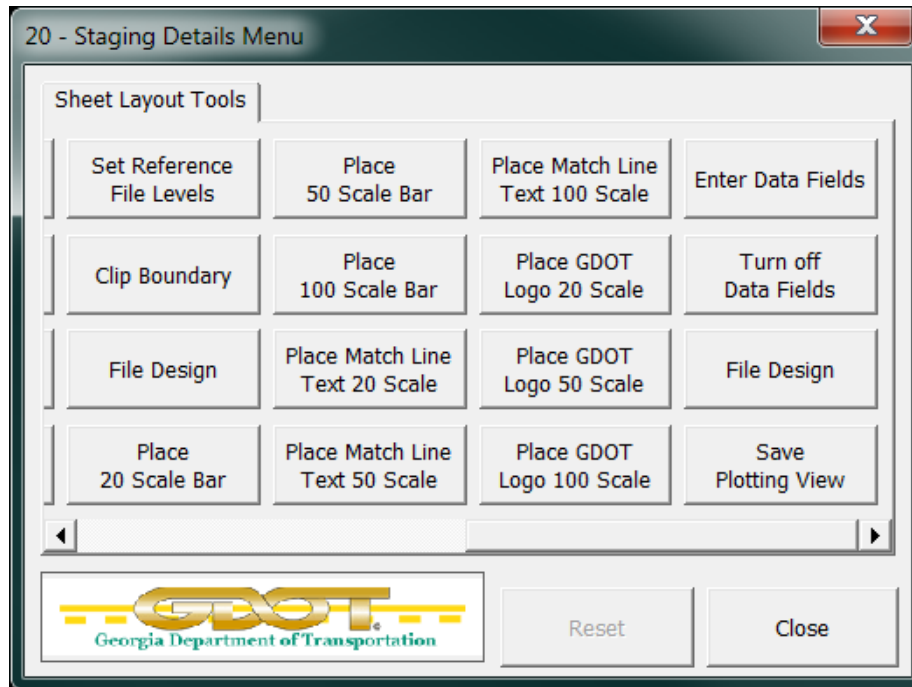


### 3-21 20-Staging Details



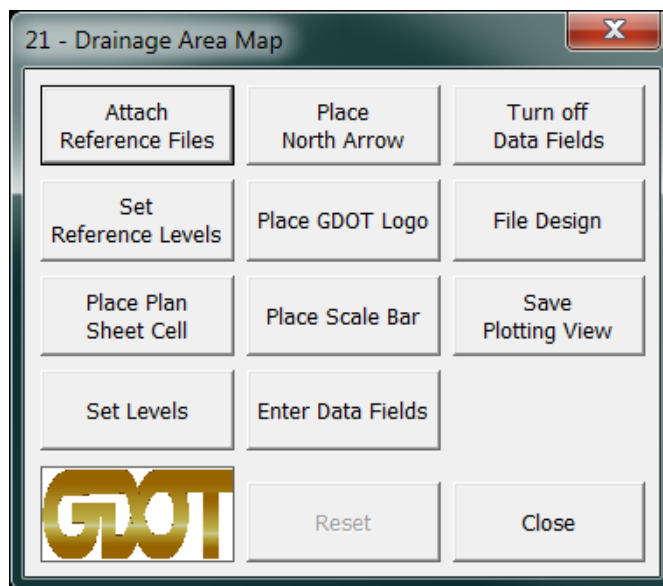
- **Attach Sheet Layout** – Attaches the SheetLayout.dgn file.
- **Turn Reference File Levels On** – Turns on the SheetLayout DGN reference file levels ONLY.
- **Window Area** – Window area to the appropriate area to place the new plan sheet cell.
- **Place North Arrow x Scale** – Places the “NARROW” cell from the GDOT-GN-SHEETS cell library at the scale identified on each of the three options.
- **Rotate View by Elements** – User will enter a Data button on the top line of the clip border for the appropriate sheet to be created.
- **Copy Match Lines** – Allows user to copy the match lines from the SheetLayout DGN reference file into the plan sheet file.
- **Place x Scale Plan Sheet** – Places the “GPLN” cell from the GDOT-GN-SHEETS cell library at the scale identified on each of the three options.
- **Set Levels** – Sets the sheet DGN file levels and the reference file levels as per the EDG requirements.
- **Detach Sheet Layout** – Detaches the SheetLayout.DGN reference file.
- **Attach Staging Detail Ref File** – Attaches the Staging Detail reference file.
- **Place Fence Block / Place Fence Shape** – Use to place a Fence Shape or Block to be used for Clipping the reference files.

### 3-21 20-Staging Details (continued)



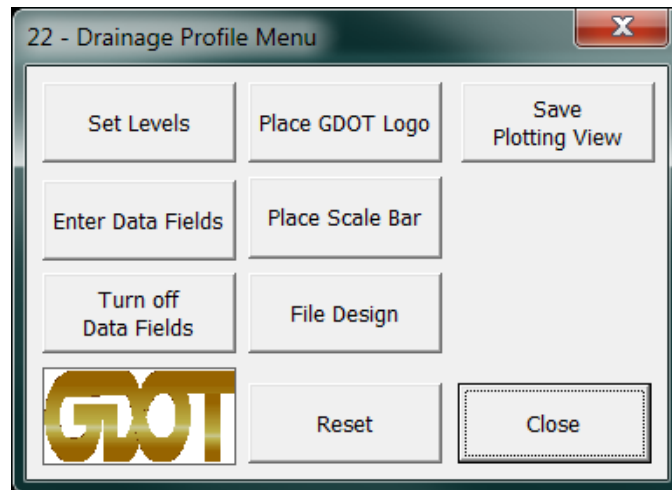
- **Set Reference File Levels** – Sets the staging detail reference DGN file levels.
- **Clip Boundary** - Clips reference dgn files.
- **File Design** – Saves the current view settings.
- **Place x Scale Bar Cell** – Places the scale bar cell at a scale of 20, 50 or 100.
- **Place Match Line Text x Scale** – Places match line text for use at either end of the plan sheet coverage limits at a scale of 20, 50 or 100.
- **Place GDOT Logo x Scale** – Places the “GLOGO” cell from the GDOT-GN-SHEETS cell library at a scale of 20, 50 or 100.
- **Enter Data Fields** – Use to fill in the data fields on the Plan Sheet cell. This command will not be disabled after use, allowing the user to use this command as needed without have to use the “Reset” button.
- **Turn off Enter Data Fields** – Turns off the Data Fields for View 1.
- **File Design** – Saves the current view settings.
- **Save Plotting View** – Saves the plotting view from View 1 for use by the GPlot Utility.
- **Reset** – Enables any disabled commands to allow those commands to be accessed multiple times.
- **Close** – Closes the “20 – Staging Details Menu” and returns the user to the “Root Menu”.

### 3-22 21-Drainage Area Map



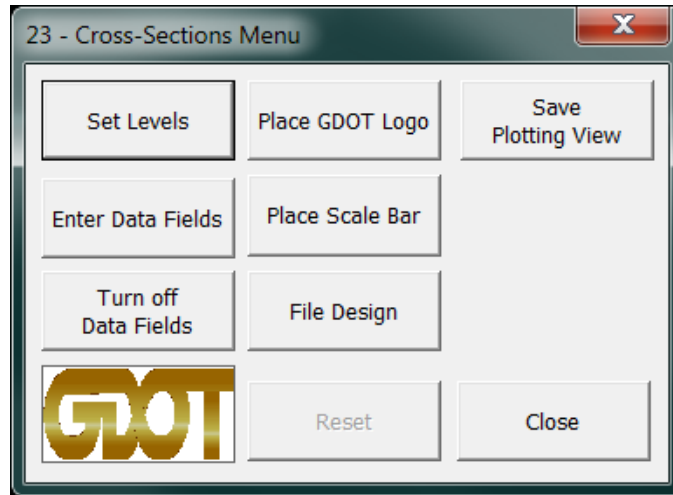
- **Attach Reference Files** – Attaches the reference DGN files as per the EDG requirements.
- **Set Reference File Levels** – Sets the reference dgn file levels as per the EDG requirements.
- **Place Plan Sheet Cell** – Places the “GPLN” cell from the GDOT-GN-SHEETS cell library at a default scale of 500. User may over-ride the default scale after the command has been selected by keying in “AS=1000” etc... before pressing the Data Button.
- **Set Levels** – Sets the sheet DGN file levels and the reference DGN file levels as per the EDG requirements.
- **Place North Arrow** – Places the “NARROW” cell from the GDOT-GN-SHEETS cell library at a default scale of 500. User may over-ride the default scale after the command has been selected by keying in “AS=1000” etc... before pressing the Data Button.
- **Place GDOT Logo** – Places the “GLOGO” cell from the GDOT-GN-SHEETS cell library at a scale of 500. User may over-ride the default scale after the command has been selected by keying in “AS=1000” etc... before pressing the Data Button.
- **Place Scale Bar** – Opens the GDOT-GN-SHEETS cell library via the MicroStation Cell Selector utility. User will select the appropriate scale bar cell and place it on the Cover Sheet cell.
- **Enter Data Fields** – Use to fill in the data fields on the Plan Sheet cell. This command will not be disabled after use, allowing the user to use this command as needed without have to use the “Reset” button.
- **Turn off Enter Data Fields** – Turns off the Data Fields for View 1.
- **File Design** – Saves the current view settings.
- **Save Plotting View** – Saves the plotting view from View 1 for use by the GPlot Utility.
- **Reset** – Enables any disabled commands to allow those commands to be accessed multiple times.
- **Close** – Closes the “21 – Drainage Area Map” menu and returns the user to the “Root Menu”.

### 3-23 22-Drainage Profile



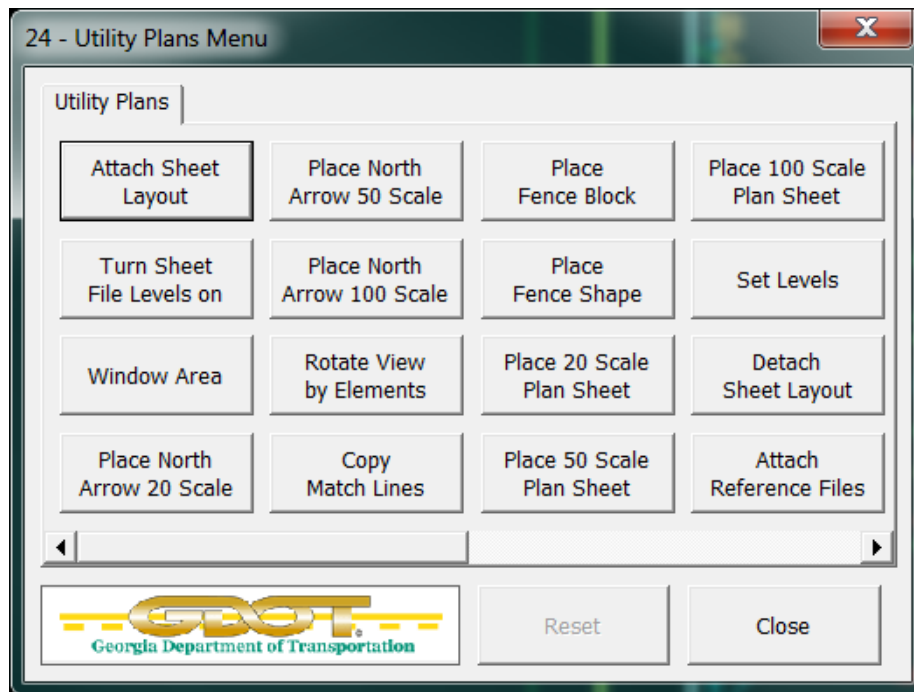
- **Set Levels** – Sets the sheet DGN file levels and the reference DGN file levels as per the EDG requirements.
- **Enter Data Fields** – Use to fill in the data fields on the Plan Sheet cell. This command will not be disabled after use, allowing the user to use this command as needed without have to use the “Reset” button.
- **Turn off Enter Data Fields** – Turns off the Data Fields for View 1.
- **Place GDOT Logo** – Places the “GLOGO” cell from the GDOT-GN-SHEETS cell library at a scale of 10. User may over-ride the default scale after the command has been selected by keying in “AS=50” etc... before pressing the Data Button.
- **Place Scale Bar** – Opens the GDOT-GN-SHEETS cell library via the MicroStation Cell Selector utility. User will select the appropriate scale bar cell and place it on the Cover Sheet cell.
- **Enter Data Fields** – Use to fill in the data fields on the Plan Sheet cell. This command will not be disabled after use, allowing the user to use this command as needed without have to use the “Reset” button.
- **Turn off Enter Data Fields** – Turns off the Data Fields for View 1.
- **File Design** – Saves the current view settings.
- **Save Plotting View** – Saves the plotting view from View 1 for use by the GPlot Utility.
- **Reset** – Enables any disabled commands to allow those commands to be accessed multiple times.
- **Close** – Closes the “22 – Drainage Profile” menu and returns the user to the “Root Menu”.

### 3-24 23-Cross Sections



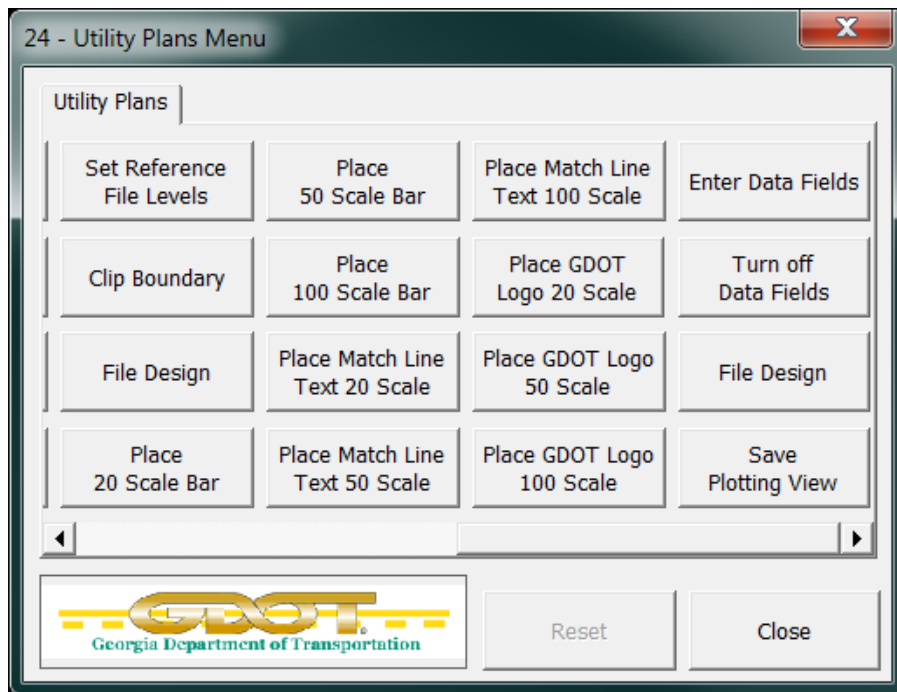
- **Set Levels** – Sets the sheet DGN file levels and the reference DGN file levels as per the EDG requirements.
- **Enter Data Fields** – Use to fill in the data fields on the Plan Sheet cell. This command will not be disabled after use, allowing the user to use this command as needed without have to use the “Reset” button.
- **Turn off Enter Data Fields** – Turns off the Data Fields for View 1.
- **Place GDOT Logo** – Places the “GLOGO” cell from the GDOT-GN-SHEETS cell library at a scale of 10.
- **File Design** – Saves the current view settings.
- **Save Plotting View** – Saves the plotting view from View 1 for use by the GPlot Utility.
- **Reset** – Enables any disabled commands to allow those commands to be accessed multiple times.
- **Close** – Closes the “23 – Cross-Sections Menu” and returns the user to the “Root Menu”.

### 3-25 24-Utility Plan



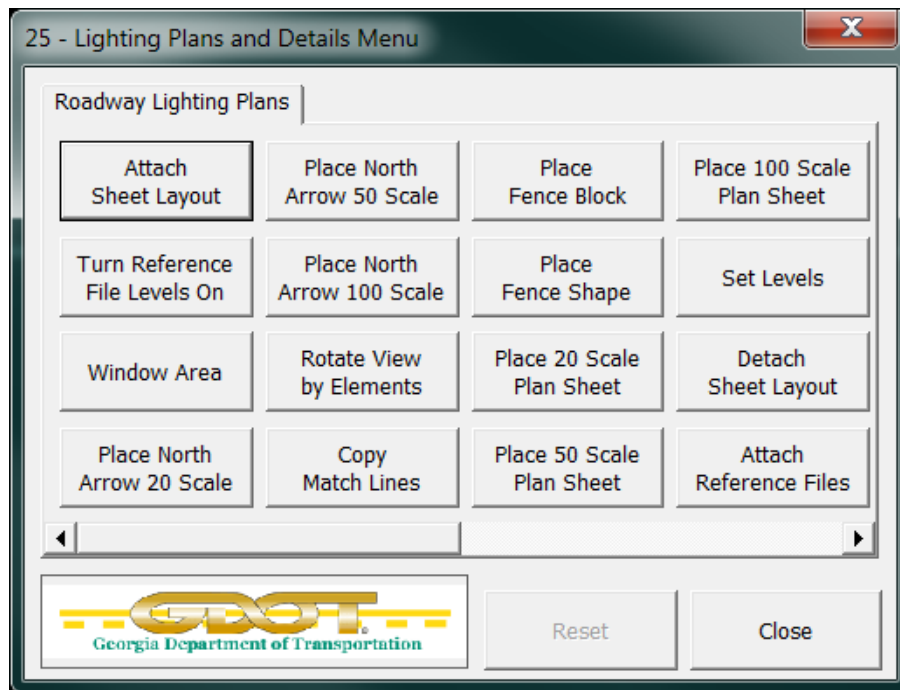
- **Attach Sheet Layout** – Attaches the SheetLayout.dgn file.
- **Turn Reference File Levels On** – Turns on the SheetLayout DGN reference file levels ONLY.
- **Window Area** – Window area to the appropriate area to place the new plan sheet cell.
- **Place North Arrow x Scale** – Places the “NARROW” cell from the GDOT-GN-SHEETS cell library at the scale identified on each of the three options.
- **Rotate View by Elements** – User will enter a Data button on the top line of the clip border for the appropriate sheet to be created.
- **Copy Match Lines** – Allows user to copy the match lines from the SheetLayout DGN reference file into the plan sheet file.
- **Place Fence Block / Place Fence Shape** – Use to place a Fence Shape or Block to be used for Clipping the reference files.
- **Place x Scale Plan Sheet** – Places the “GPLN” cell from the GDOT-GN-SHEETS cell library at the scale identified on each of the three options.
- **Set Levels** – Sets the sheet DGN file levels and the reference file levels as per the EDG requirements.
- **Detach Sheet Layout** – Detaches the SheetLayout.DGN reference file.
- **Attach Reference Files** – Attaches the reference DGN files as per the EDG requirements.

### 3-25 24-Utility Plan (continued)



- **Set Reference File Levels** – Sets the reference dgn file levels as per the EDG requirements.
- **Clip Boundary** - Clips reference dgn files.
- **File Design** – Saves the current view settings.
- **Place x Scale Bar Cell** – Places the scale bar cell at a scale of 20, 50 or 100.
- **Place Match Line Text x Scale** – Places match line text for use at either end of the plan sheet coverage limits at a scale of 20, 50 or 100.
- **Place GDOT Logo x Scale** – Places the “GLOGO” cell from the GDOT-GN-SHEETS cell library at a scale of 20, 50 or 100.
- **Enter Data Fields** – Use to fill in the data fields on the Plan Sheet cell. This command will not be disabled after use, allowing the user to use this command as needed without have to use the “Reset” button.
- **Turn off Enter Data Fields** – Turns off the Data Fields for View 1.
- **File Design** – Saves the current view settings.
- **Save Plotting View** – Saves the plotting view from View 1 for use by the GPlot Utility.
- **Reset** – Enables any disabled commands to allow those commands to be accessed multiple times.
- **Close** – Closes the “24 – Utility Plans Menu” and returns the user to the “Root Menu”.

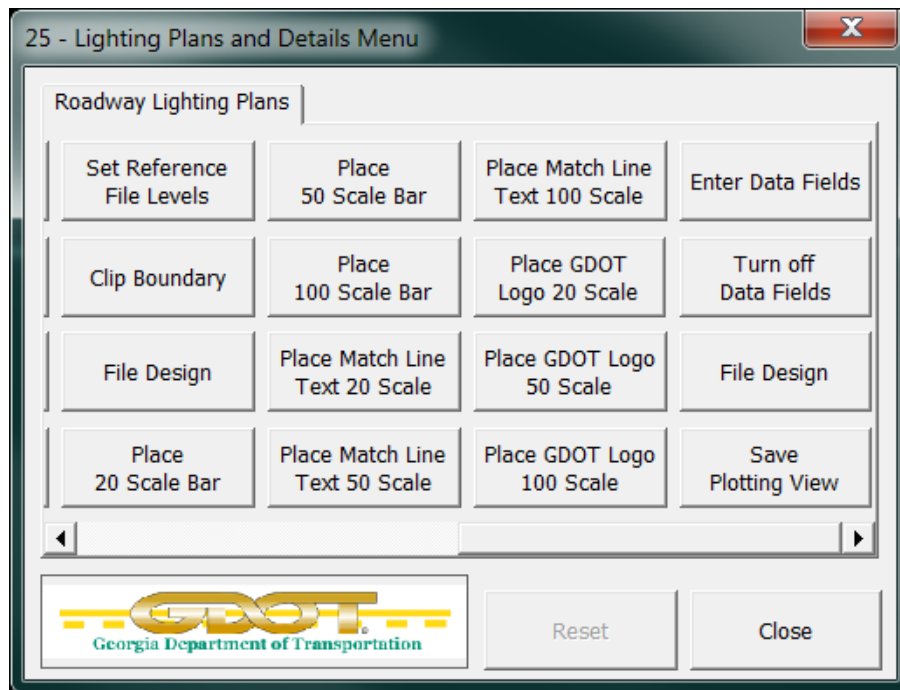
### 3-26 25-Lighting Plans and Details



- **Attach Sheet Layout** – Attaches the SheetLayout.dgn file.
- **Turn Reference File Levels On** – Turns on the SheetLayout DGN reference file levels ONLY.
- **Window Area** – Window area to the appropriate area to place the new plan sheet cell.
- **Place North Arrow x Scale** – Places the “NARROW” cell from the GDOT-GN-SHEETS cell library at the scale identified on each of the three options.
- **Rotate View by Elements** – User will enter a Data button on the top line of the clip border for the appropriate sheet to be created.
- **Copy Match Lines** – Allows user to copy the match lines from the SheetLayout DGN reference file into the plan sheet file.
- **Place Fence Block / Place Fence Shape** – Use to place a Fence Shape or Block to be used for Clipping the reference files.
- **Place x Scale Plan Sheet** – Places the “GPLN” cell from the GDOT-GN-SHEETS cell library at the scale identified on each of the three options.
- **Set Levels** – Sets the sheet DGN file levels and the reference file levels as per the EDG requirements.
- **Detach Sheet Layout** – Detaches the SheetLayout.DGN reference file.
- **Attach Reference Files** – Attaches the reference DGN files as per the EDG requirements.

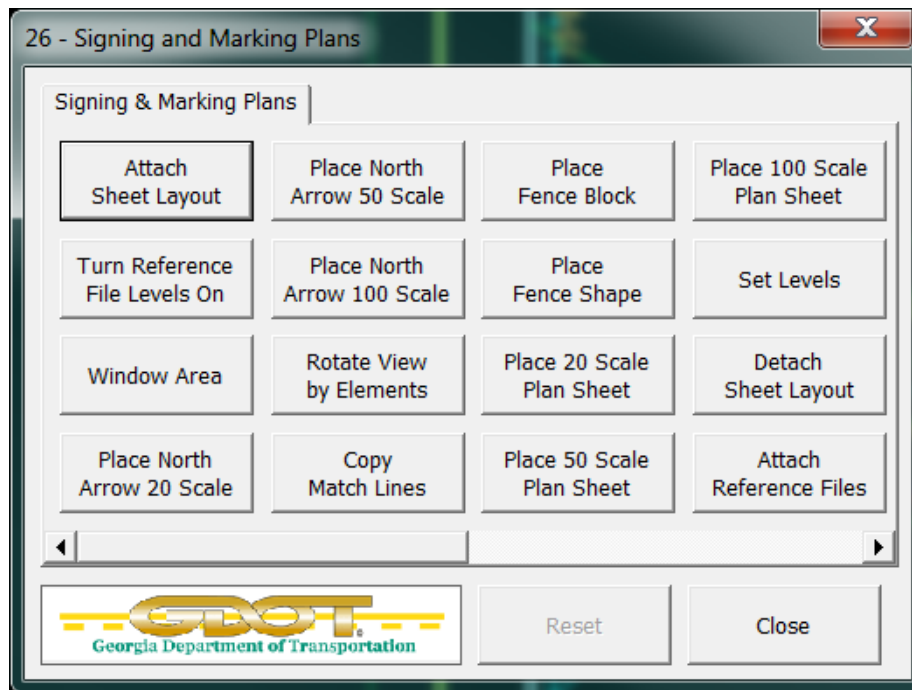


## 3-26 25-Lighting Plans and Details (continued)



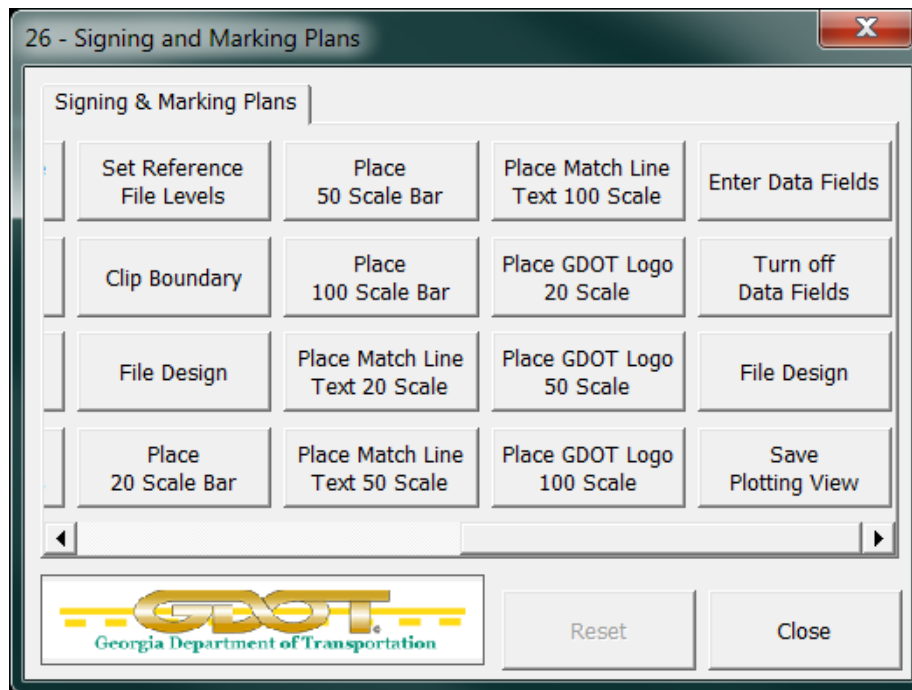
- **Set Reference File Levels** – Sets the reference dgn file levels as per the EDG requirements.
- **Clip Boundary** - Clips reference dgn files.
- **File Design** – Saves the current view settings.
- **Place x Scale Bar Cell** – Places the scale bar cell at a scale of 20, 50 or 100.
- **Place Match Line Text x Scale** – Places match line text for use at either end of the plan sheet coverage limits at a scale of 20, 50 or 100.
- **Place GDOT Logo x Scale** – Places the “GLOGO” cell from the GDOT-GN-SHEETS cell library at a scale of 20, 50 or 100.
- **Enter Data Fields** – Use to fill in the data fields on the Plan Sheet cell. This command will not be disabled after use, allowing the user to use this command as needed without have to use the “Reset” button.
- **Turn off Enter Data Fields** – Turns off the Data Fields for View 1.
- **File Design** – Saves the current view settings.
- **Save Plotting View** – Saves the plotting view from View 1 for use by the GPlot Utility.
- **Reset** – Enables any disabled commands to allow those commands to be accessed multiple times.
- **Close** – Closes the “25 – Lighting Plans and Details Menu” and returns the user to the “Root Menu”.

### 3-27 26-Signing and Marking Plan



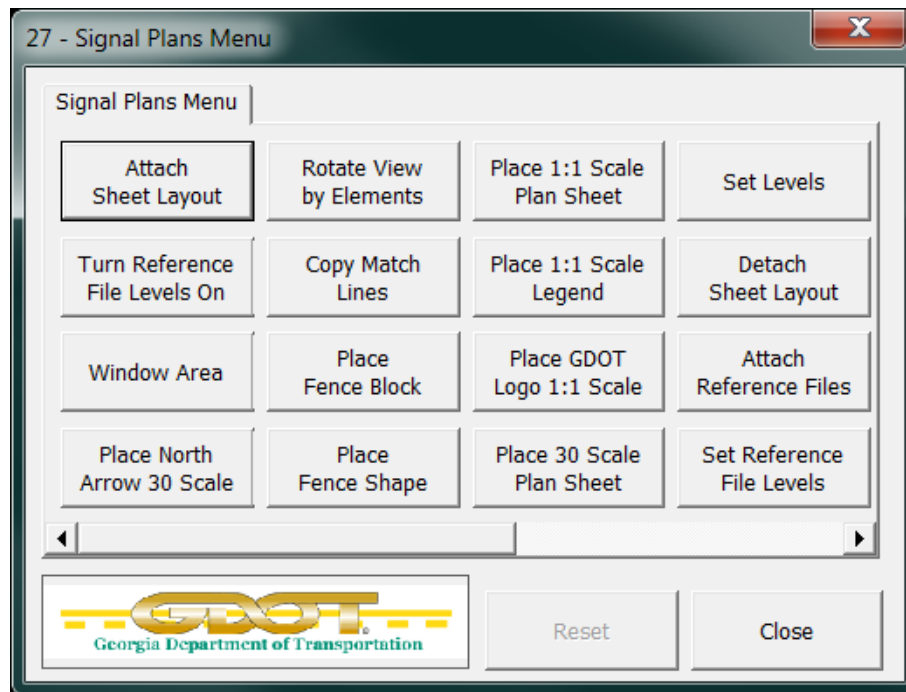
- **Attach Sheet Layout** – Attaches the SheetLayout.dgn file.
- **Turn Reference File Levels On** – Turns on the SheetLayout DGN reference file levels ONLY.
- **Window Area** – Window area to the appropriate area to place the new plan sheet cell.
- **Place North Arrow x Scale** – Places the “NARROW” cell from the GDOT-GN-SHEETS cell library at the scale identified on each of the three options.
- **Rotate View by Elements** – User will enter a Data button on the top line of the clip border for the appropriate sheet to be created.
- **Copy Match Lines** – Allows user to copy the match lines from the SheetLayout DGN reference file into the plan sheet file.
- **Place Fence Block / Place Fence Shape** – Use to place a Fence Shape or Block to be used for Clipping the reference files.
- **Place x Scale Plan Sheet** – Places the “GPLN” cell from the GDOT-GN-SHEETS cell library at the scale identified on each of the three options.
- **Set Levels** – Sets the sheet DGN file levels and the reference file levels as per the EDG requirements.
- **Detach Sheet Layout** – Detaches the SheetLayout.DGN reference file.
- **Attach Reference Files** – Attaches the reference DGN files as per the EDG requirements.

## 3-27 26-Signing and Marking Plan (continued)



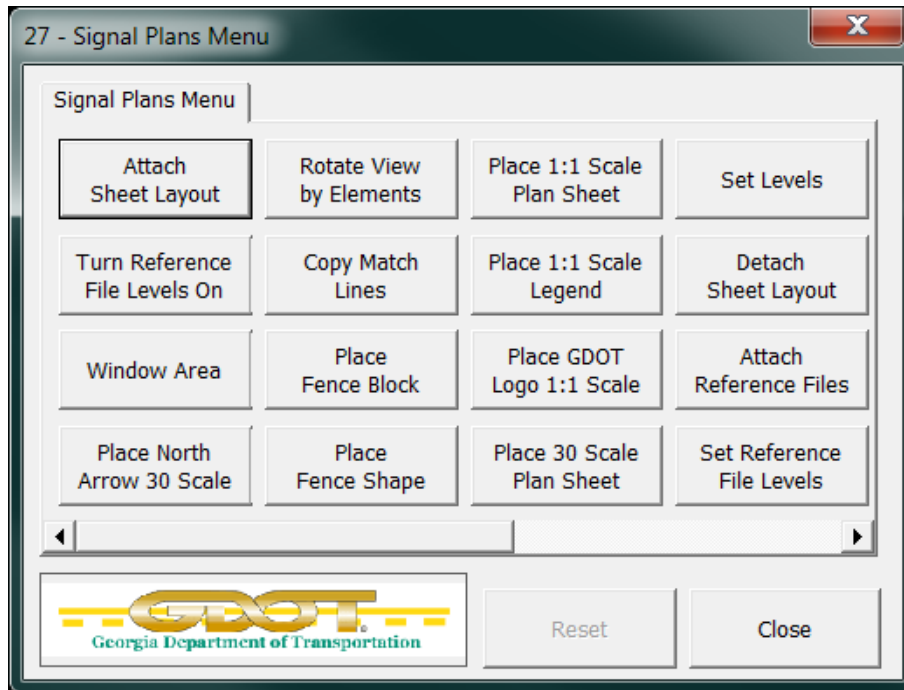
- **Set Reference File Levels** – Sets the reference dgn file levels as per the EDG requirements.
- **Clip Boundary** - Clips reference dgn files.
- **File Design** – Saves the current view settings.
- **Place x Scale Bar Cell** – Places the scale bar cell at a scale of 20, 50 or 100.
- **Place Match Line Text x Scale** – Places match line text for use at either end of the plan sheet coverage limits at a scale of 20, 50 or 100.
- **Place GDOT Logo x Scale** – Places the “GLOGO” cell from the GDOT-GN-SHEETS cell library at a scale of 20, 50 or 100.
- **Enter Data Fields** – Use to fill in the data fields on the Plan Sheet cell. This command will not be disabled after use, allowing the user to use this command as needed without have to use the “Reset” button.
- **Turn off Enter Data Fields** – Turns off the Data Fields for View 1.
- **File Design** – Saves the current view settings.
- **Save Plotting View** – Saves the plotting view from View 1 for use by the GPlot Utility.
- **Reset** – Enables any disabled commands to allow those commands to be accessed multiple times.
- **Close** – Closes the “26 – Signing and Marking Plans” menu and returns the user to the “Root Menu”.

## 3-28 27-Signal Plan



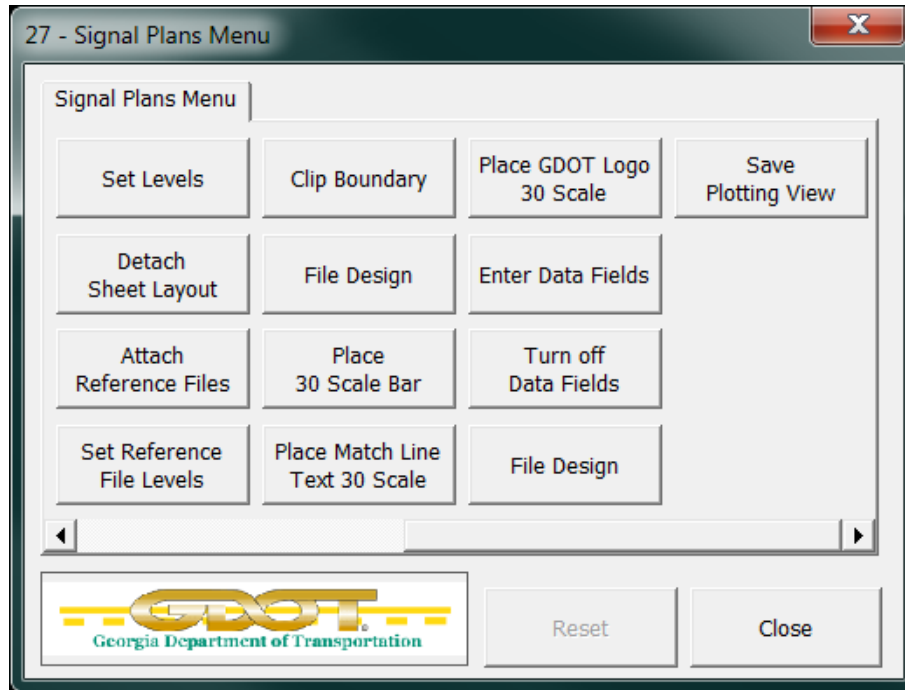
- **Attach Sheet Layout** – Attaches the SheetLayout.dgn file.
- **Turn Reference File Levels On** – Turns on the SheetLayout DGN reference file levels ONLY.
- **Window Area** – Window area to the appropriate area to place the new plan sheet cell.
- **Place North Arrow 30 Scale** – Places the “NARROW” cell from the GDOT-GN-SHEETS cell library at a default scale of 30. User may over-ride the default scale after the command has been selected by keying in “AS=50” etc... before pressing the Data Button.
- **Rotate View by Elements** – User will enter a Data button on the top line of the clip border for the appropriate sheet to be created.
- **Copy Match Lines** – Allows user to copy the match lines from the SheetLayout DGN reference file into the plan sheet file.
- **Place Fence Block / Place Fence Shape** – Use to place a Fence Shape or Block to be used for Clipping the reference files.
- **Place 1:1 Scale Plan Sheet** – Places the “GPLN” cell from the GDOT-GN-SHEETS cell library at a default scale of 1.
- **Place 1:1 Scale Legend** - Place legend cell at a scale of 1.
- **Place GDOT Logo 1:1 Scale** – Places the “GLOGO” cell from the GDOT-GN-SHEETS cell library at a scale of 1.
- **Place 30 Scale Plan Sheet** – Places the “GPLN” cell from the GDOT-GN-SHEETS cell library at a default scale of 30. User may over-ride the default scale after the command has been selected by keying in “AS=50” etc... before pressing the Data Button.
- **Set Levels** – Sets the sheet DGN file levels and the reference file levels as per the EDG requirements.
- **Detach Sheet Layout** – Detaches the SheetLayout.DGN reference file.

### 3-28 27-Signal Plan (continued)



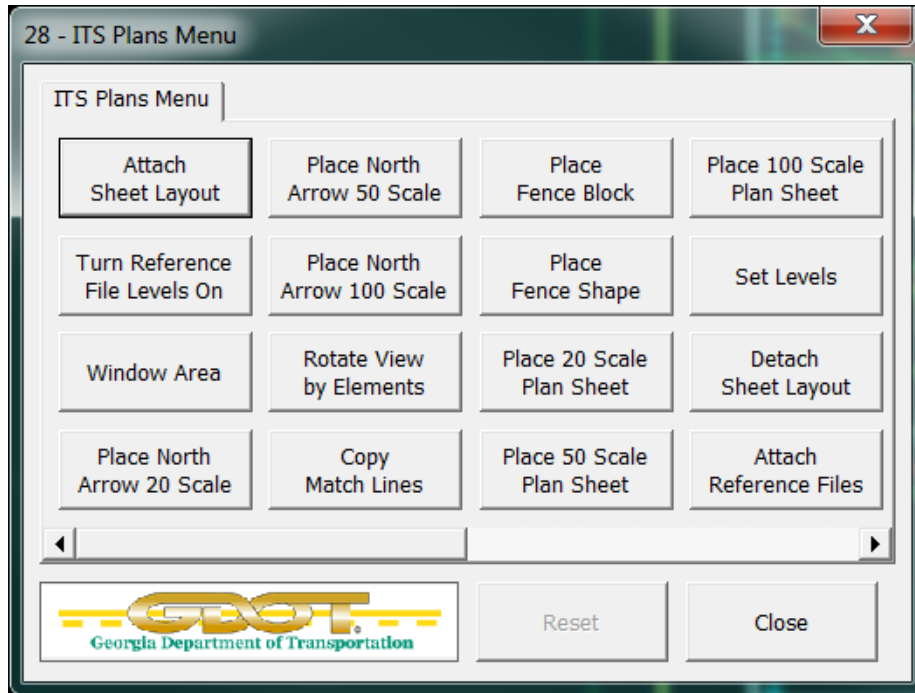
- **Attach Reference Files** – Attaches the reference DGN files as per the EDG requirements.
- **Set Reference File Levels** - Sets the reference dgn file levels as per the EDG requirements.

## 3-28 27-Signal Plan (continued)



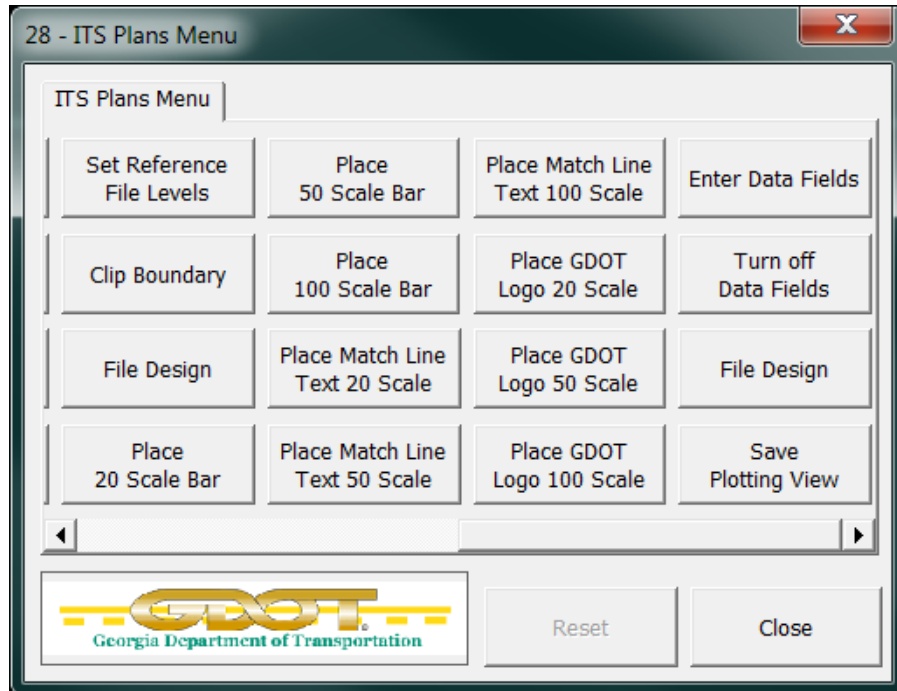
- **Clip Boundary** - Clips reference dgn files.
- **File Design** - Saves the current view settings.
- **Place 30 Scale Bar** – Places the “30SC” cell from the GDOT-GN-SHEETS cell library.
- **Place Match Line Text 30 Scale** – Places match line text for use at either end of the plan sheet coverage limits at a default scale of 30.
- **Place GDOT Logo 30 Scale** – Places the “GLOGO” cell from the GDOT-GN-SHEETS cell library at a scale of 30.
- **Enter Data Fields** – Use to fill in the data fields on the Plan Sheet cell. This command will not be disabled after use, allowing the user to use this command as needed without have to use the “Reset” button.
- **Turn off Enter Data Fields** – Turns off the Data Fields for View 1.
- **File Design** – Saves the current view settings.
- **Save Plotting View** – Saves the plotting view from View 1 for use by the GPlot Utility.
- **Reset** – Enables any disabled commands to allow those commands to be accessed multiple times.
- **Close** – Closes the “27 – Signal Plans Menu” and returns the user to the “Root Menu”.

### 3-29 28-ITS Plan



- **Attach Sheet Layout** – Attaches the SheetLayout.dgn file.
- **Turn Reference File Levels On** – Turns on the SheetLayout DGN reference file levels ONLY.
- **Window Area** – Window area to the appropriate area to place the new plan sheet cell.
- **Place North Arrow x Scale** – Places the “NARROW” cell from the GDOT-GN-SHEETS cell library at the scale identified on each of the three options.
- **Rotate View by Elements** – User will enter a Data button on the top line of the clip border for the appropriate sheet to be created.
- **Copy Match Lines** – Allows user to copy the match lines from the SheetLayout DGN reference file into the plan sheet file.
- **Place Fence Block / Place Fence Shape** – Use to place a Fence Shape or Block to be used for Clipping the reference files.
- **Place x Scale Plan Sheet** – Places the “GPLN” cell from the GDOT-GN-SHEETS cell library at the scale identified on each of the three options.
- **Set Levels** – Sets the sheet DGN file levels and the reference file levels as per the EDG requirements.
- **Detach Sheet Layout** – Detaches the SheetLayout.DGN reference file.
- **Attach Reference Files** – Attaches the reference DGN files as per the EDG requirements.

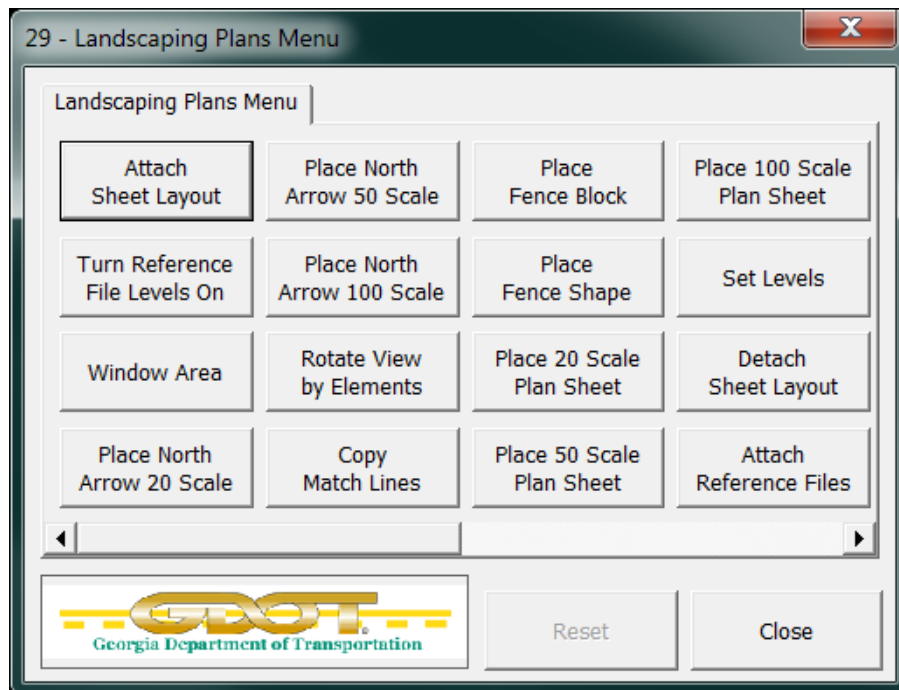
### 3-29 28-ITS Plan (continued)



- **Set Reference File Levels** – Sets the reference dgn file levels as per the EDG requirements.
- **Clip Boundary** - Clips reference dgn files.
- **File Design** – Saves the current view settings.
- **Place x Scale Bar Cell** – Places the scale bar cell at a scale of 20, 50 or 100.
- **Place Match Line Text x Scale** – Places match line text for use at either end of the plan sheet coverage limits at a scale of 20, 50 or 100.
- **Place GDOT Logo x Scale** – Places the “GLOGO” cell from the GDOT-GN-SHEETS cell library at a scale of 20, 50 or 100.
- **Enter Data Fields** – Use to fill in the data fields on the Plan Sheet cell. This command will not be disabled after use, allowing the user to use this command as needed without have to use the “Reset” button.
- **Turn off Enter Data Fields** – Turns off the Data Fields for View 1.
- **File Design** – Saves the current view settings.
- **Save Plotting View** – Saves the plotting view from View 1 for use by the GPlot Utility.
- **Reset** – Enables any disabled commands to allow those commands to be accessed multiple times.
- **Close** – Closes the “28 – ITS Plans Menu” and returns the user to the “Root Menu”.

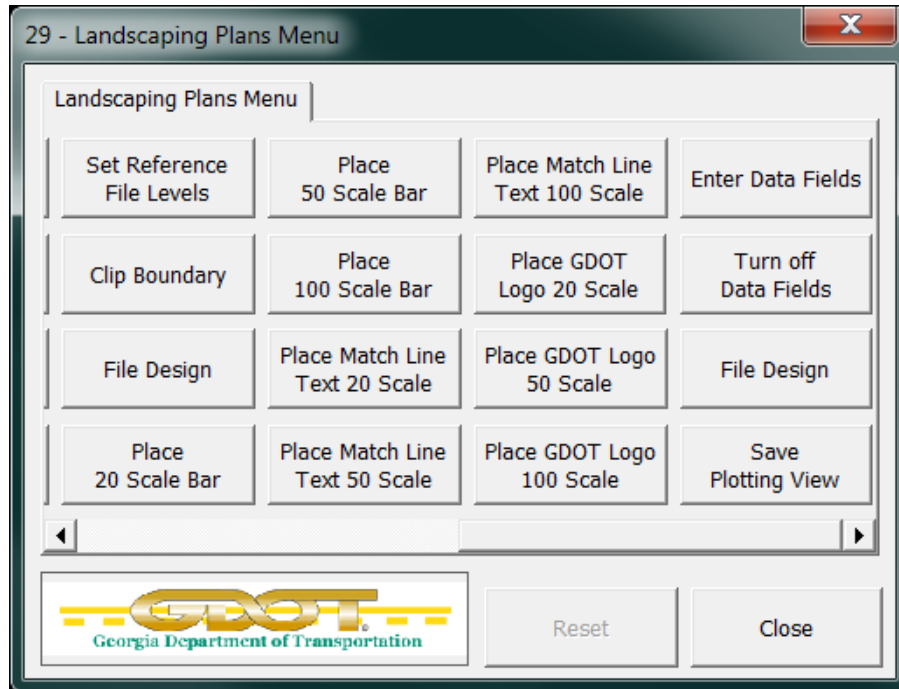


### 3-30 29-Landscaping Plan



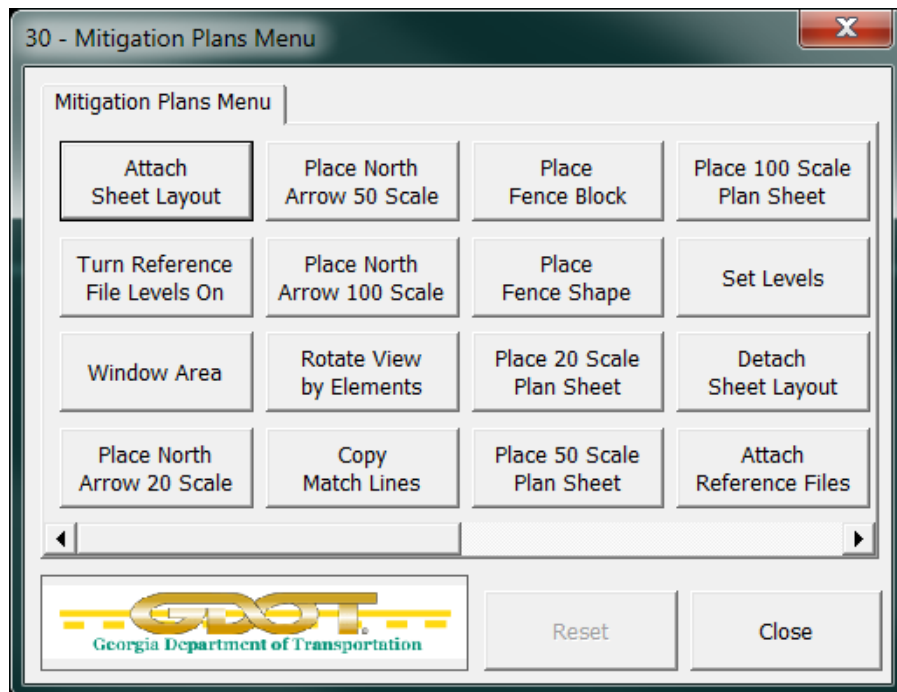
- **Attach Sheet Layout** – Attaches the SheetLayout.dgn file.
- **Turn Reference File Levels On** – Turns on the SheetLayout DGN reference file levels ONLY.
- **Window Area** – Window area to the appropriate area to place the new plan sheet cell.
- **Place North Arrow x Scale** – Places the “NARROW” cell from the GDOT-GN-SHEETS cell library at the scale identified on each of the three options.
- **Rotate View by Elements** – User will enter a Data button on the top line of the clip border for the appropriate sheet to be created.
- **Copy Match Lines** – Allows user to copy the match lines from the SheetLayout DGN reference file into the plan sheet file.
- **Place Fence Block / Place Fence Shape** – Use to place a Fence Shape or Block to be used for Clipping the reference files.
- **Place x Scale Plan Sheet** – Places the “GPLN” cell from the GDOT-GN-SHEETS cell library at the scale identified on each of the three options.
- **Set Levels** – Sets the sheet DGN file levels and the reference file levels as per the EDG requirements.
- **Detach Sheet Layout** – Detaches the SheetLayout.DGN reference file.
- **Attach Reference Files** – Attaches the reference DGN files as per the EDG requirements.

### 3-30 29-Landscaping Plan (continued)



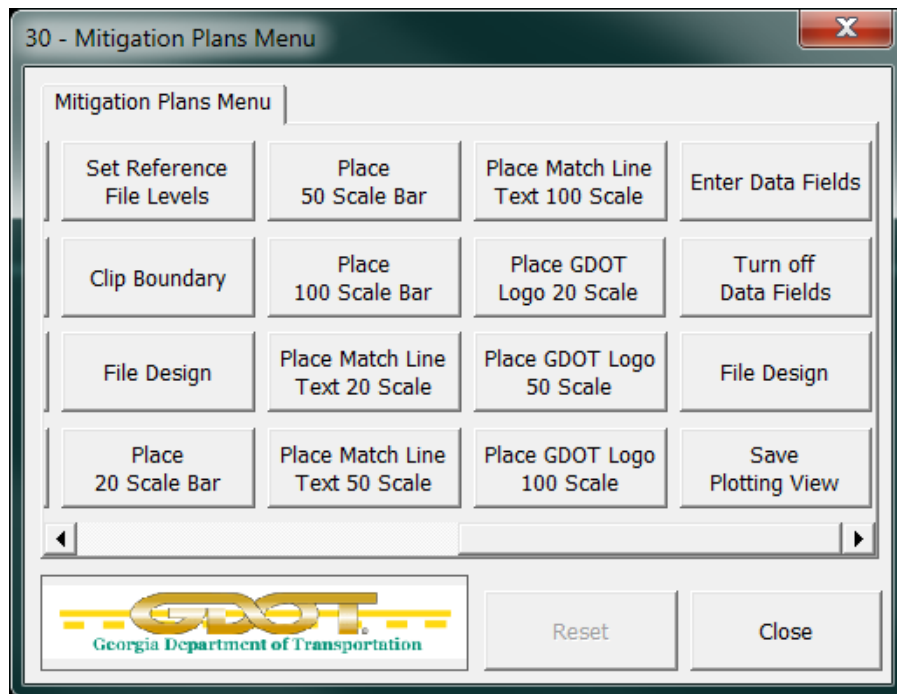
- **Set Reference File Levels** – Sets the reference dgn file levels as per the EDG requirements.
- **Clip Boundary** - Clips reference dgn files.
- **File Design** – Saves the current view settings.
- **Place x Scale Bar Cell** – Places the scale bar cell at a scale of 20, 50 or 100.
- **Place Match Line Text x Scale** – Places match line text for use at either end of the plan sheet coverage limits at a scale of 20, 50 or 100.
- **Place GDOT Logo x Scale** – Places the “GLOGO” cell from the GDOT-GN-SHEETS cell library at a scale of 20, 50 or 100.
- **Enter Data Fields** – Use to fill in the data fields on the Plan Sheet cell. This command will not be disabled after use, allowing the user to use this command as needed without have to use the “Reset” button.
- **Turn off Enter Data Fields** – Turns off the Data Fields for View 1.
- **File Design** – Saves the current view settings.
- **Save Plotting View** – Saves the plotting view from View 1 for use by the GPlot Utility.
- **Reset** – Enables any disabled commands to allow those commands to be accessed multiple times.
- **Close** – Closes the “29 – Landscaping Plans Menu” and returns the user to the “Root Menu”.

### 3-31 30-Mitigation Plan



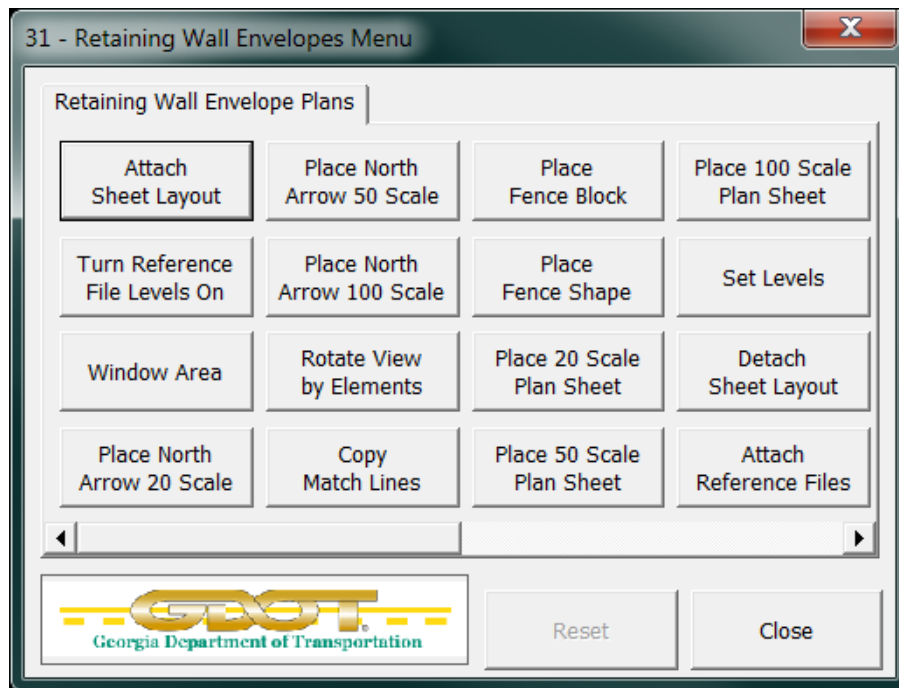
- **Attach Sheet Layout** – Attaches the SheetLayout.dgn file.
- **Turn Reference File Levels On** – Turns on the SheetLayout DGN reference file levels ONLY.
- **Window Area** – Window area to the appropriate area to place the new plan sheet cell.
- **Place North Arrow x Scale** – Places the “NARROW” cell from the GDOT-GN-SHEETS cell library at the scale identified on each of the three options.
- **Rotate View by Elements** – User will enter a Data button on the top line of the clip border for the appropriate sheet to be created.
- **Copy Match Lines** – Allows user to copy the match lines from the SheetLayout DGN reference file into the plan sheet file.
- **Place Fence Block / Place Fence Shape** – Use to place a Fence Shape or Block to be used for Clipping the reference files.
- **Place x Scale Plan Sheet** – Places the “GPLN” cell from the GDOT-GN-SHEETS cell library at the scale identified on each of the three options.
- **Set Levels** – Sets the sheet DGN file levels and the reference file levels as per the EDG requirements.
- **Detach Sheet Layout** – Detaches the SheetLayout.DGN reference file.
- **Attach Reference Files** – Attaches the reference DGN files as per the EDG requirements.

### 3-31 30-Mitigation Plan (continued)



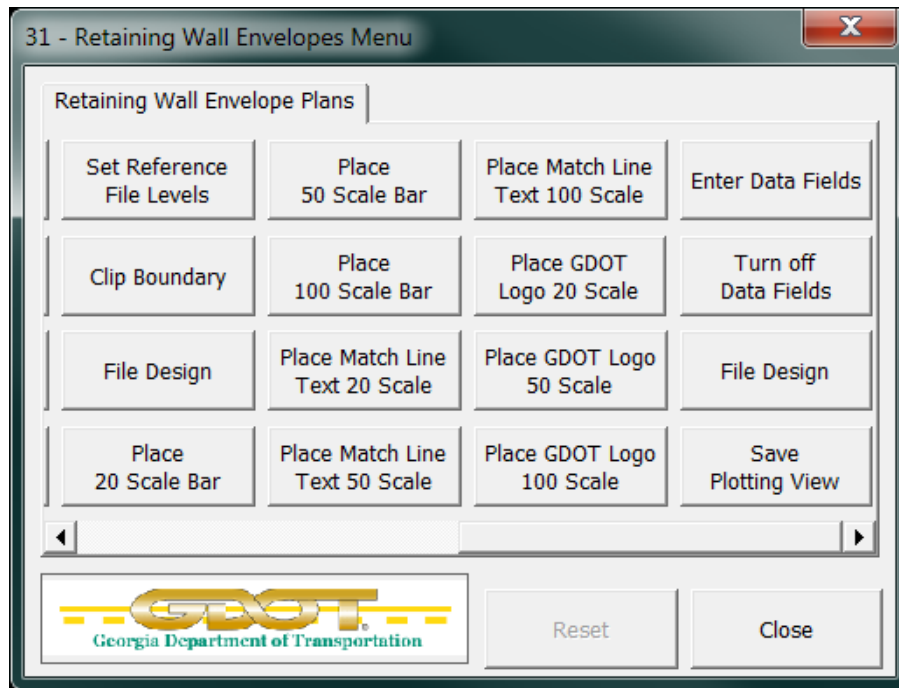
- **Set Reference File Levels** – Sets the reference dgn file levels as per the EDG requirements.
- **Clip Boundary** - Clips reference dgn files.
- **File Design** – Saves the current view settings.
- **Place x Scale Bar Cell** – Places the scale bar cell at a scale of 20, 50 or 100.
- **Place Match Line Text x Scale** – Places match line text for use at either end of the plan sheet coverage limits at a scale of 20, 50 or 100.
- **Place GDOT Logo x Scale** – Places the “GLOGO” cell from the GDOT-GN-SHEETS cell library at a scale of 20, 50 or 100.
- **Enter Data Fields** – Use to fill in the data fields on the Plan Sheet cell. This command will not be disabled after use, allowing the user to use this command as needed without have to use the “Reset” button.
- **Turn off Enter Data Fields** – Turns off the Data Fields for View 1.
- **File Design** – Saves the current view settings.
- **Save Plotting View** – Saves the plotting view from View 1 for use by the GPlot Utility.
- **Reset** – Enables any disabled commands to allow those commands to be accessed multiple times.
- **Close** – Closes the “30 – Mitigation Plans Menu” and returns the user to the “Root Menu”.

### 3-32 31-Retaining Wall Envelopes



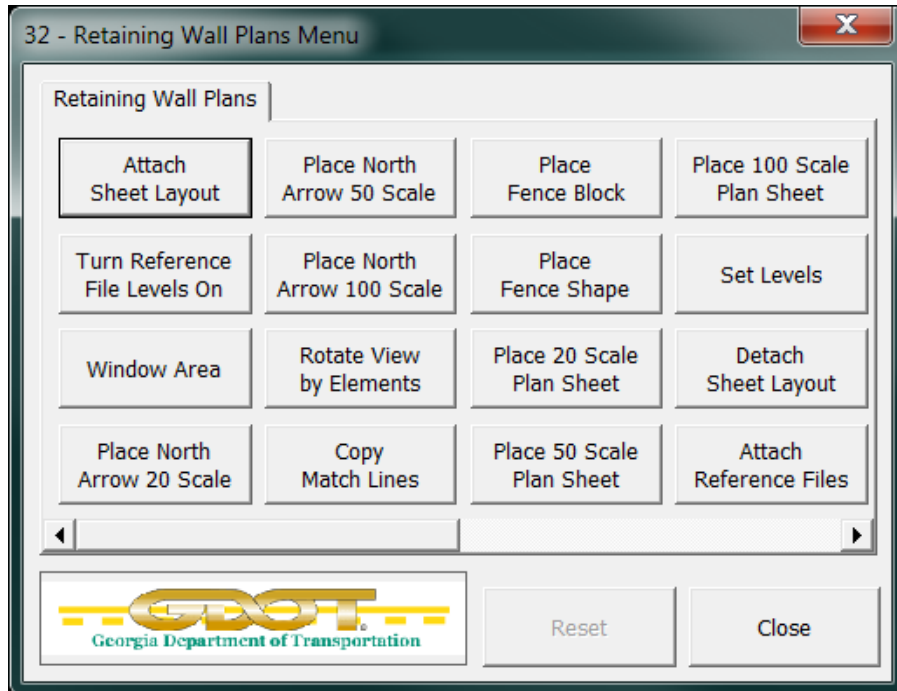
- **Attach Sheet Layout** – Attaches the SheetLayout.dgn file.
- **Turn Reference File Levels On** – Turns on the SheetLayout DGN reference file levels ONLY.
- **Window Area** – Window area to the appropriate area to place the new plan sheet cell.
- **Place North Arrow x Scale** – Places the “NARROW” cell from the GDOT-GN-SHEETS cell library at the scale identified on each of the three options.
- **Rotate View by Elements** – User will enter a Data button on the top line of the clip border for the appropriate sheet to be created.
- **Copy Match Lines** – Allows user to copy the match lines from the SheetLayout DGN reference file into the plan sheet file.
- **Place Fence Block / Place Fence Shape** – Use to place a Fence Shape or Block to be used for Clipping the reference files.
- **Place x Scale Plan Sheet** – Places the “GPLN” cell from the GDOT-GN-SHEETS cell library at the scale identified on each of the three options.
- **Set Levels** – Sets the sheet DGN file levels and the reference file levels as per the EDG requirements.
- **Detach Sheet Layout** – Detaches the SheetLayout.DGN reference file.
- **Attach Reference Files** – Attaches the reference DGN files as per the EDG requirements.

### 3-32 31-Retaining Wall Envelopes (continued)



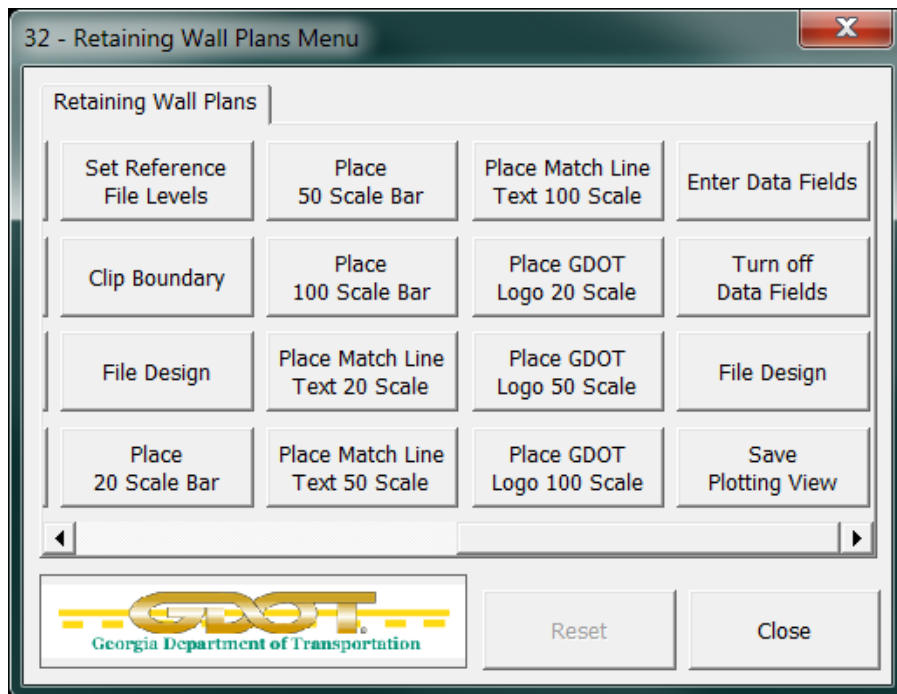
- **Set Reference File Levels** – Sets the reference dgn file levels as per the EDG requirements.
- **Clip Boundary** - Clips reference dgn files.
- **File Design** – Saves the current view settings.
- **Place x Scale Bar Cell** – Places the scale bar cell at a scale of 20, 50 or 100.
- **Place Match Line Text x Scale** – Places match line text for use at either end of the plan sheet coverage limits at a scale of 20, 50 or 100.
- **Place GDOT Logo x Scale** – Places the “GLOGO” cell from the GDOT-GN-SHEETS cell library at a scale of 20, 50 or 100.
- **Enter Data Fields** – Use to fill in the data fields on the Plan Sheet cell. This command will not be disabled after use, allowing the user to use this command as needed without have to use the “Reset” button.
- **Turn off Enter Data Fields** – Turns off the Data Fields for View 1.
- **File Design** – Saves the current view settings.
- **Save Plotting View** – Saves the plotting view from View 1 for use by the GPlot Utility.
- **Reset** – Enables any disabled commands to allow those commands to be accessed multiple times.
- **Close** – Closes the “31 – Retaining Wall Envelopes Menu” and returns the user to the “Root Menu”.

### 3-33 32-Retaining Wall Plan



- **Attach Sheet Layout** – Attaches the SheetLayout.dgn file.
- **Turn Reference File Levels On** – Turns on the SheetLayout DGN reference file levels ONLY.
- **Window Area** – Window area to the appropriate area to place the new plan sheet cell.
- **Place North Arrow x Scale** – Places the “NARROW” cell from the GDOT-GN-SHEETS cell library at the scale identified on each of the three options.
- **Rotate View by Elements** – User will enter a Data button on the top line of the clip border for the appropriate sheet to be created.
- **Copy Match Lines** – Allows user to copy the match lines from the SheetLayout DGN reference file into the plan sheet file.
- **Place Fence Block / Place Fence Shape** – Use to place a Fence Shape or Block to be used for Clipping the reference files.
- **Place x Scale Plan Sheet** – Places the “GPLN” cell from the GDOT-GN-SHEETS cell library at the scale identified on each of the three options.
- **Set Levels** – Sets the sheet DGN file levels and the reference file levels as per the EDG requirements.
- **Detach Sheet Layout** – Detaches the SheetLayout.DGN reference file.
- **Attach Reference Files** – Attaches the reference DGN files as per the EDG requirements.

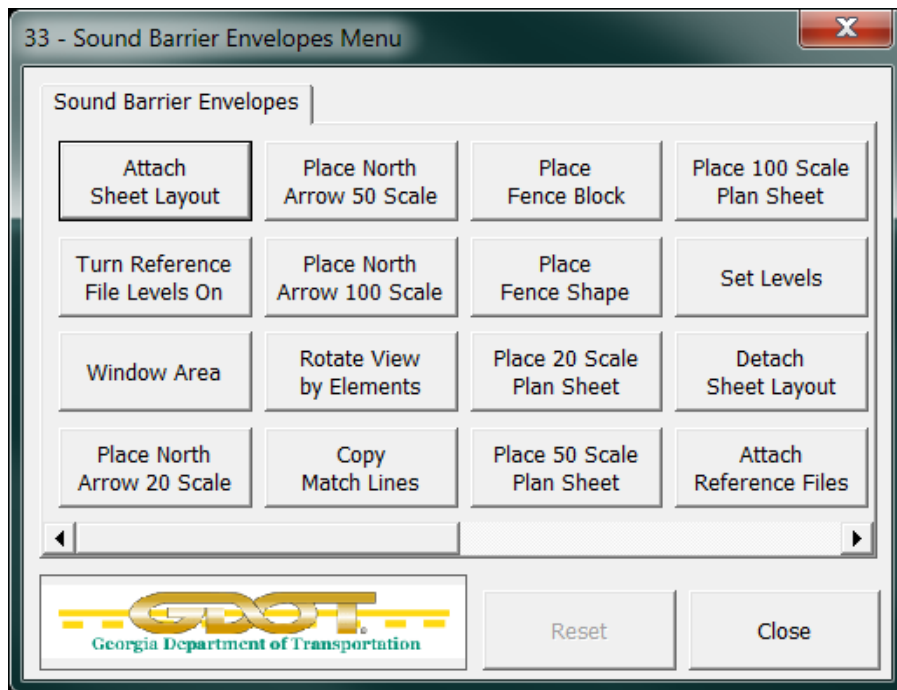
### 3-33 32-Retaining Wall Plan (continued)



- **Set Reference File Levels** – Sets the reference dgn file levels as per the EDG requirements.
- **Clip Boundary** - Clips reference dgn files.
- **File Design** – Saves the current view settings.
- **Place x Scale Bar Cell** – Places the scale bar cell at a scale of 20, 50 or 100.
- **Place Match Line Text x Scale** – Places match line text for use at either end of the plan sheet coverage limits at a scale of 20, 50 or 100.
- **Place GDOT Logo x Scale** – Places the “GLOGO” cell from the GDOT-GN-SHEETS cell library at a scale of 20, 50 or 100.
- **Enter Data Fields** – Use to fill in the data fields on the Plan Sheet cell. This command will not be disabled after use, allowing the user to use this command as needed without have to use the “Reset” button.
- **Turn off Enter Data Fields** – Turns off the Data Fields for View 1.
- **File Design** – Saves the current view settings.
- **Save Plotting View** – Saves the plotting view from View 1 for use by the GPlot Utility.
- **Reset** – Enables any disabled commands to allow those commands to be accessed multiple times.
- **Close** – Closes the “32 – Retaining Wall Plans Menu” and returns the user to the “Root Menu”.

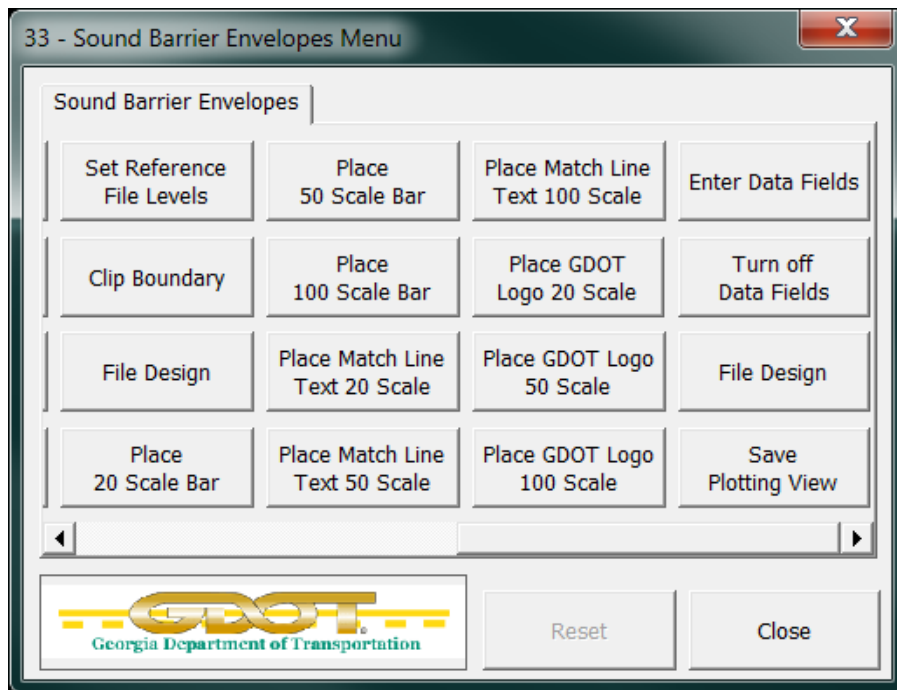


### 3-34 33-Sound Barrier Envelopes



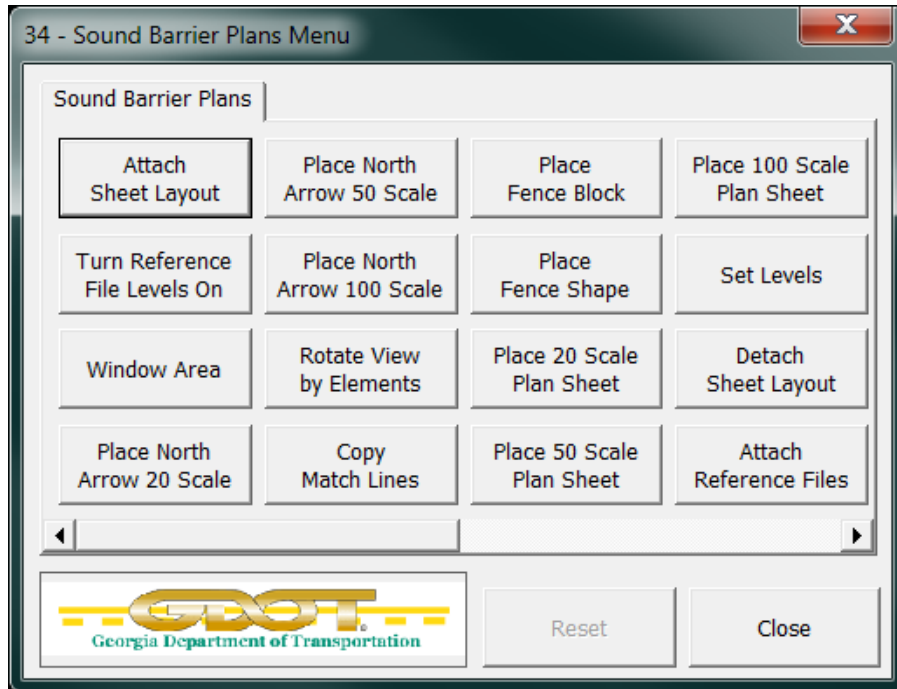
- **Attach Sheet Layout** – Attaches the SheetLayout.dgn file.
- **Turn Reference File Levels On** – Turns on the SheetLayout DGN reference file levels ONLY.
- **Window Area** – Window area to the appropriate area to place the new plan sheet cell.
- **Place North Arrow x Scale** – Places the “NARROW” cell from the GDOT-GN-SHEETS cell library at the scale identified on each of the three options.
- **Rotate View by Elements** – User will enter a Data button on the top line of the clip border for the appropriate sheet to be created.
- **Copy Match Lines** – Allows user to copy the match lines from the SheetLayout DGN reference file into the plan sheet file.
- **Place Fence Block / Place Fence Shape** – Use to place a Fence Shape or Block to be used for Clipping the reference files.
- **Place x Scale Plan Sheet** – Places the “GPLN” cell from the GDOT-GN-SHEETS cell library at the scale identified on each of the three options.
- **Set Levels** – Sets the sheet DGN file levels and the reference file levels as per the EDG requirements.
- **Detach Sheet Layout** – Detaches the SheetLayout.DGN reference file.
- **Attach Reference Files** – Attaches the reference DGN files as per the EDG requirements.

### 3-34 33-Sound Barrier Envelopes (continued)



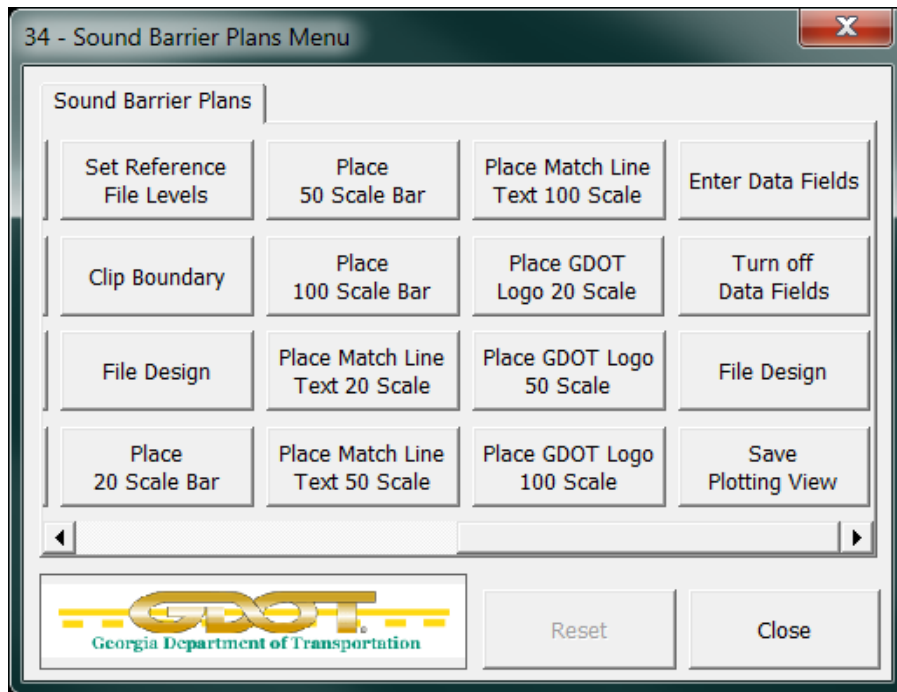
- **Set Reference File Levels** – Sets the reference dgn file levels as per the EDG requirements.
- **Clip Boundary** - Clips reference dgn files.
- **File Design** – Saves the current view settings.
- **Place x Scale Bar Cell** – Places the scale bar cell at a scale of 20, 50 or 100.
- **Place Match Line Text x Scale** – Places match line text for use at either end of the plan sheet coverage limits at a scale of 20, 50 or 100.
- **Place GDOT Logo x Scale** – Places the “GLOGO” cell from the GDOT-GN-SHEETS cell library at a scale of 20, 50 or 100.
- **Enter Data Fields** – Use to fill in the data fields on the Plan Sheet cell. This command will not be disabled after use, allowing the user to use this command as needed without have to use the “Reset” button.
- **Turn off Enter Data Fields** – Turns off the Data Fields for View 1.
- **File Design** – Saves the current view settings.
- **Save Plotting View** – Saves the plotting view from View 1 for use by the GPlot Utility.
- **Reset** – Enables any disabled commands to allow those commands to be accessed multiple times.
- **Close** – Closes the “33 – Sound Barrier Envelopes Menu” and returns the user to the “Root Menu”.

### 3-35 34-Sound Barrier Plan



- **Attach Sheet Layout** – Attaches the SheetLayout.dgn file.
- **Turn Reference File Levels On** – Turns on the SheetLayout DGN reference file levels ONLY.
- **Window Area** – Window area to the appropriate area to place the new plan sheet cell.
- **Place North Arrow x Scale** – Places the “NARROW” cell from the GDOT-GN-SHEETS cell library at the scale identified on each of the three options.
- **Rotate View by Elements** – User will enter a Data button on the top line of the clip border for the appropriate sheet to be created.
- **Copy Match Lines** – Allows user to copy the match lines from the SheetLayout DGN reference file into the plan sheet file.
- **Place Fence Block / Place Fence Shape** – Use to place a Fence Shape or Block to be used for Clipping the reference files.
- **Place x Scale Plan Sheet** – Places the “GPLN” cell from the GDOT-GN-SHEETS cell library at the scale identified on each of the three options.
- **Set Levels** – Sets the sheet DGN file levels and the reference file levels as per the EDG requirements.
- **Detach Sheet Layout** – Detaches the SheetLayout.DGN reference file.
- **Attach Reference Files** – Attaches the reference DGN files as per the EDG requirements.

### 3-35 34-Sound Barrier Plan (continued)



- **Set Reference File Levels** – Sets the reference dgn file levels as per the EDG requirements.
- **Clip Boundary** - Clips reference dgn files.
- **File Design** – Saves the current view settings.
- **Place x Scale Bar Cell** – Places the scale bar cell at a scale of 20, 50 or 100.
- **Place Match Line Text x Scale** – Places match line text for use at either end of the plan sheet coverage limits at a scale of 20, 50 or 100.
- **Place GDOT Logo x Scale** – Places the “GLOGO” cell from the GDOT-GN-SHEETS cell library at a scale of 20, 50 or 100.
- **Enter Data Fields** – Use to fill in the data fields on the Plan Sheet cell. This command will not be disabled after use, allowing the user to use this command as needed without have to use the “Reset” button.
- **Turn off Enter Data Fields** – Turns off the Data Fields for View 1.
- **File Design** – Saves the current view settings.
- **Save Plotting View** – Saves the plotting view from View 1 for use by the GPlot Utility.
- **Reset** – Enables any disabled commands to allow those commands to be accessed multiple times.
- **Close** – Closes the “34 – Sound Barrier Plans Menu” and returns the user to the “Root Menu”.

**3-36 35-Bridge Plans**  
(To be released at a later date)

**3-37 36-Bridge Culvert Plans**  
(To be released at a later date.)

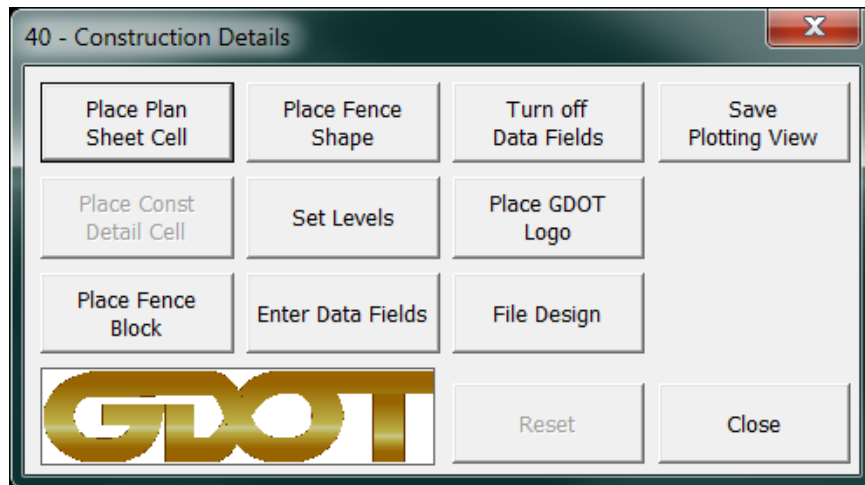
**3-38 37-Miscellaneous Structural**  
(To be released at a later date.)

**3-39 38-Special Construction Details**  
(To be released at a later date.)



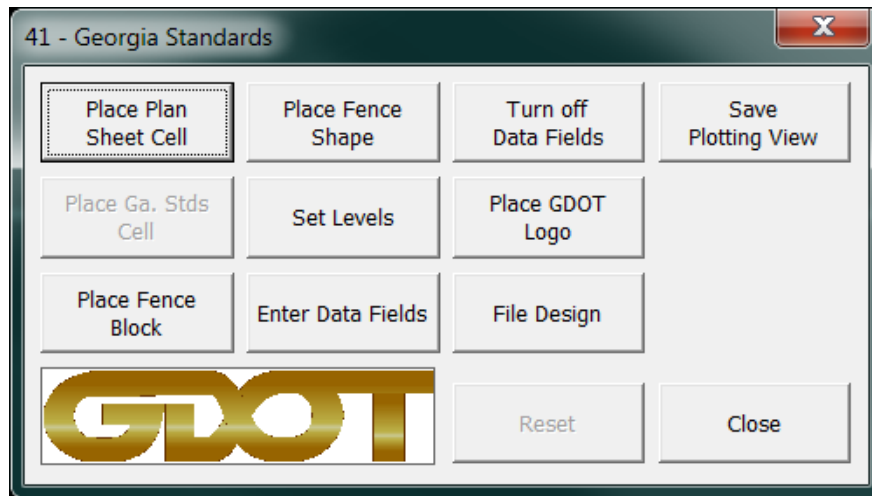
**3-40 39-Special Design Box Culverts**  
(To be released at a later date.)

### 3-41 40-Construction Details



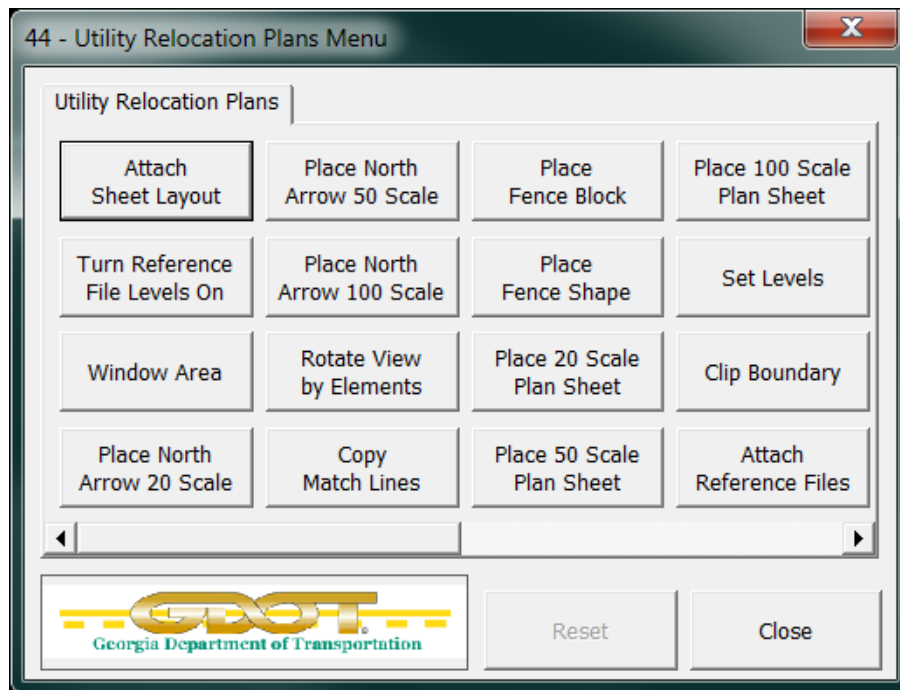
- **Place Plan Sheet Cell** – Places the “GPLN” cell from the GDOT-GN-SHEETS cell library at the scale identified on each of the three options.
- **Place Const. Detail Cell** – (To be released at a later date.)
- **Place Plan Sheet Cell** – Places the “GPLN” cell from the GDOT-GN-SHEETS cell library at a default scale of 1. User may over-ride the default scale after the command has been selected by keying in “AS=20” etc... before pressing the Data Button.
- **Place Fence Block / Place Fence Shape** – Use to place a Fence Shape or Block to be used for Clipping the reference files (Optional).
- **Set Levels** – Sets the sheet DGN file levels and the reference file levels as per the EDG requirements.
- **Enter Data Fields** – Use to fill in the data fields on the Plan Sheet cell. This command will not be disabled after use, allowing the user to use this command as needed without have to use the “Reset” button.
- **Turn off Enter Data Fields** – Turns off the Data Fields for View 1.
- **Place GDOT Logo** – Places the “GLOGO” cell from the GDOT-GN-SHEETS cell library at a scale of 1.
- **File Design** – Saves the current view settings.
- **Save Plotting View** – Saves the plotting view from View 1 for use by the GPlot Utility.
- **Reset** – Enables any disabled commands to allow those commands to be accessed multiple times.
- **Close** – Closes the “40 – Construction Details Menu” and returns the user to the “Root Menu”.

### 3-42 41-Georgia Standards



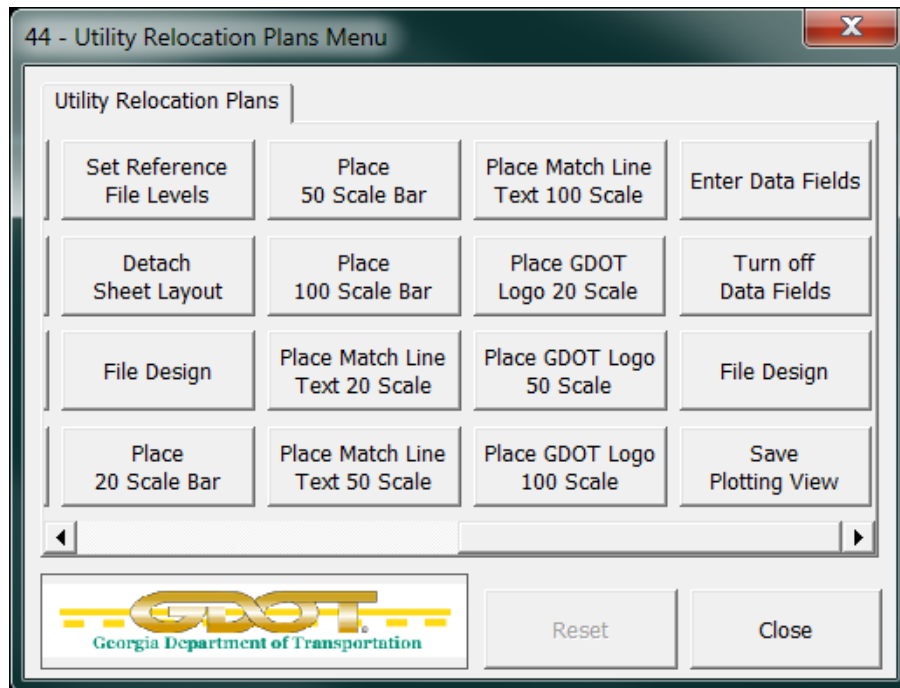
- **Place Plan Sheet Cell** – Places the “GPLN” cell from the GDOT-GN-SHEETS cell library at the scale identified on each of the three options.
- **Place Ga. Stds Cell** – (To be released at a later date.)
- **Place Plan Sheet Cell** – Places the “GPLN” cell from the GDOT-GN-SHEETS cell library at a default scale of 1. User may over-ride the default scale after the command has been selected by keying in “AS=20” etc... before pressing the Data Button.
- **Place Fence Block / Place Fence Shape** – Use to place a Fence Shape or Block to be used for Clipping the reference files (Optional).
- **Set Levels** – Sets the sheet DGN file levels and the reference file levels as per the EDG requirements.
- **Enter Data Fields** – Use to fill in the data fields on the Plan Sheet cell. This command will not be disabled after use, allowing the user to use this command as needed without have to use the “Reset” button.
- **Turn off Enter Data Fields** – Turns off the Data Fields for View 1.
- **Place GDOT Logo** – Places the “GLOGO” cell from the GDOT-GN-SHEETS cell library at a scale of 1.
- **File Design** – Saves the current view settings.
- **Save Plotting View** – Saves the plotting view from View 1 for use by the GPlot Utility.
- **Reset** – Enables any disabled commands to allow those commands to be accessed multiple times.
- **Close** – Closes the “41 – Georgia Standards Menu” and returns the user to the “Root Menu”.

### 3-43 44-Utility Relocation Plan



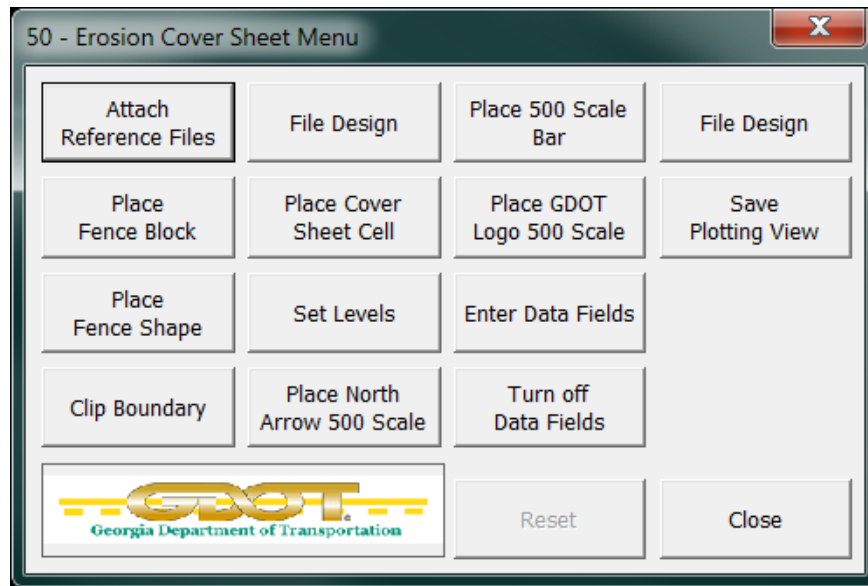
- **Attach Sheet Layout** – Attaches the SheetLayout.dgn file.
- **Turn Reference File Levels On** – Turns on the SheetLayout DGN reference file levels ONLY.
- **Window Area** – Window area to the appropriate area to place the new plan sheet cell.
- **Place North Arrow x Scale** – Places the “NARROW” cell from the GDOT-GN-SHEETS cell library at the scale identified on each of the three options.
- **Rotate View by Elements** – User will enter a Data button on the top line of the clip border for the appropriate sheet to be created.
- **Copy Match Lines** – Allows user to copy the match lines from the SheetLayout DGN reference file into the plan sheet file.
- **Place Fence Block / Place Fence Shape** – Use to place a Fence Shape or Block to be used for Clipping the reference files.
- **Place x Scale Plan Sheet** – Places the “GPLN” cell from the GDOT-GN-SHEETS cell library at the scale identified on each of the three options.
- **Set Levels** – Sets the sheet DGN file levels and the reference file levels as per the EDG requirements.
- **Detach Sheet Layout** – Detaches the SheetLayout.DGN reference file.
- **Attach Reference Files** – Attaches the reference DGN files as per the EDG requirements.

### 3-43 44-Utility Relocation Plan (continued)



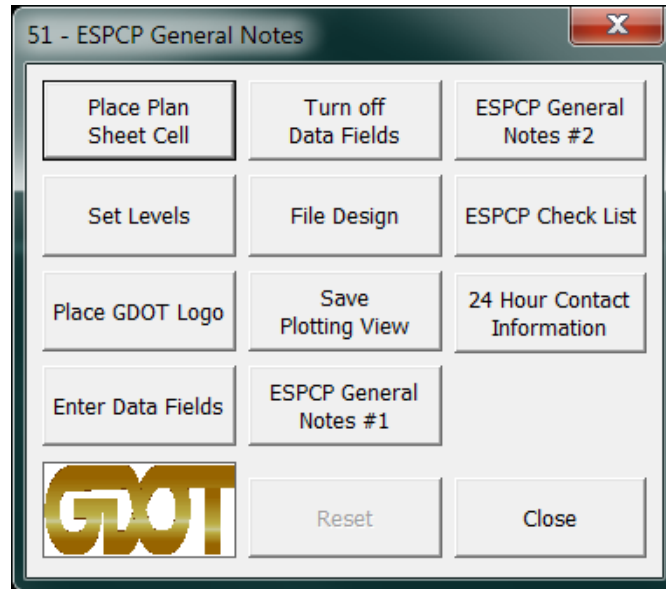
- **Set Reference File Levels** – Sets the reference dgn file levels as per the EDG requirements.
- **Clip Boundary** - Clips reference dgn files.
- **File Design** – Saves the current view settings.
- **Place x Scale Bar Cell** – Places the scale bar cell at a scale of 20, 50 or 100.
- **Place Match Line Text x Scale** – Places match line text for use at either end of the plan sheet coverage limits at a scale of 20, 50 or 100.
- **Place GDOT Logo x Scale** – Places the “GLOGO” cell from the GDOT-GN-SHEETS cell library at a scale of 20, 50 or 100.
- **Enter Data Fields** – Use to fill in the data fields on the Plan Sheet cell. This command will not be disabled after use, allowing the user to use this command as needed without have to use the “Reset” button.
- **Turn off Enter Data Fields** – Turns off the Data Fields for View 1.
- **File Design** – Saves the current view settings.
- **Save Plotting View** – Saves the plotting view from View 1 for use by the GPlot Utility.
- **Reset** – Enables any disabled commands to allow those commands to be accessed multiple times.
- **Close** – Closes the “44 – Utility Relocation Plans Menu” and returns the user to the “Root Menu”.

### 3-44 50-Erosion Cover Sheet



- **Attach Reference Files** – Attaches reference files to the Erosion Cover Sheet DGN file as per the EDG requirements.
- **Place Fence Block / Place Fence Shape** – Use to place a Fence Shape or Block to be used for Clipping the reference files.
- **Clip Boundary** – Clips reference dgn files.
- **File Design** - Saves the current view settings.
- **Place Cover Sheet Cell** – Places the “EROCOV” cell from the GDOT-GN-SHEETS cell library at a default scale of 500. User may over-ride the default scale after the command has been selected by keying in “AS=1000” etc... before pressing the Data Button.
- **Set Levels** – Sets the cover sheet DGN file levels and all reference file levels as per the EDG requirements.
- **Place North 500 Arrow** – Places the “COVNOR” cell from the GDOT-GN-SHEETS cell library at a default scale of 500. User may over-ride the default scale after the command has been selected by keying in “AS=1000” etc... before pressing the Data Button.
- **Place 500 Scale Bar** – Places the “500SC” cell from the GDOT-GN-SHEETS cell library at a scale of 500.
- **Place GDOT Logo 500 Scale** – Places the “GLOGO” cell from the GDOT-GN-SHEETS cell library at a scale of 500.
- **Enter Data Fields** – Use to fill in the data fields on the Cover Sheet cell. This command will not be disabled after use, allowing the user to use this command as needed without have to use the “Reset” button.
- **Turn off Enter Data Fields** – Turns off the Data Fields for View 1.
- **File Design** – Saves the current view settings.
- **Save Plotting View** – Saves the plotting view from View 1 for use by the GPlot Utility.
- **Reset** – Enables any disabled commands to allow those commands to be accessed multiple times.
- **Close** – Closes the “50 – Erosion Cover Sheet Menu” and returns the user to the “Root Menu”.

### 3-45 51-ESPCP General Notes

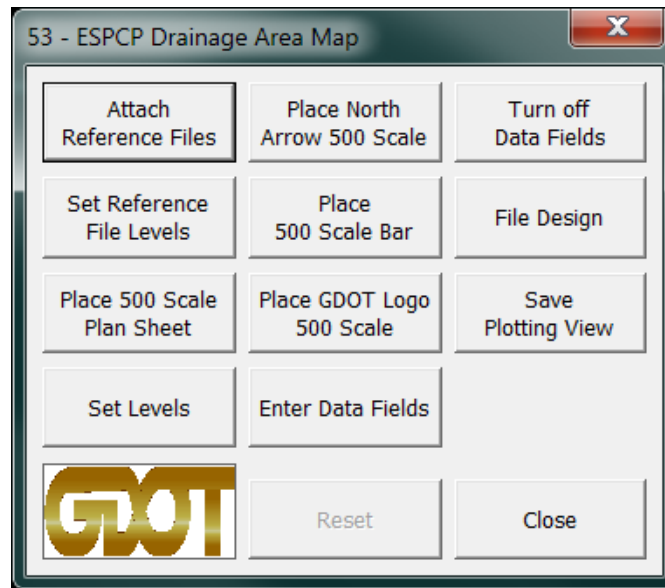


- **Place Plan Sheet Cell** – Places the “GPLN” cell from the GDOT-GN-SHEETS cell library at a default scale of 1.
- **Set Levels** – Sets the sheet DGN file levels as per the EDG requirements.
- **Place GDOT Logo** – Places the “GLOGO” cell from the GDOT-GN-SHEETS cell library at a scale of 1.
- **Enter Data Fields** – Use to fill in the data fields on the Plan Sheet cell. This command will not be disabled after use, allowing the user to use this command as needed without have to use the “Reset” button.
- **Turn off Enter Data Fields** – Turns off the Data Fields for View 1.
- **File Design** – Saves the current view settings.
- **Save Plotting View** – Saves the plotting view from View 1 for use by the GPlot Utility.
- **Remaining 4 buttons** – Place cells as described on each button.
- **Reset** – Enables any disabled commands to allow those commands to be accessed multiple times.
- **Close** – Closes the “51 – ESPCP General Notes” menu and returns the user to the “Root Menu”.

**3-46 52-Erosion Control Legend**  
(To be released at a later date.)

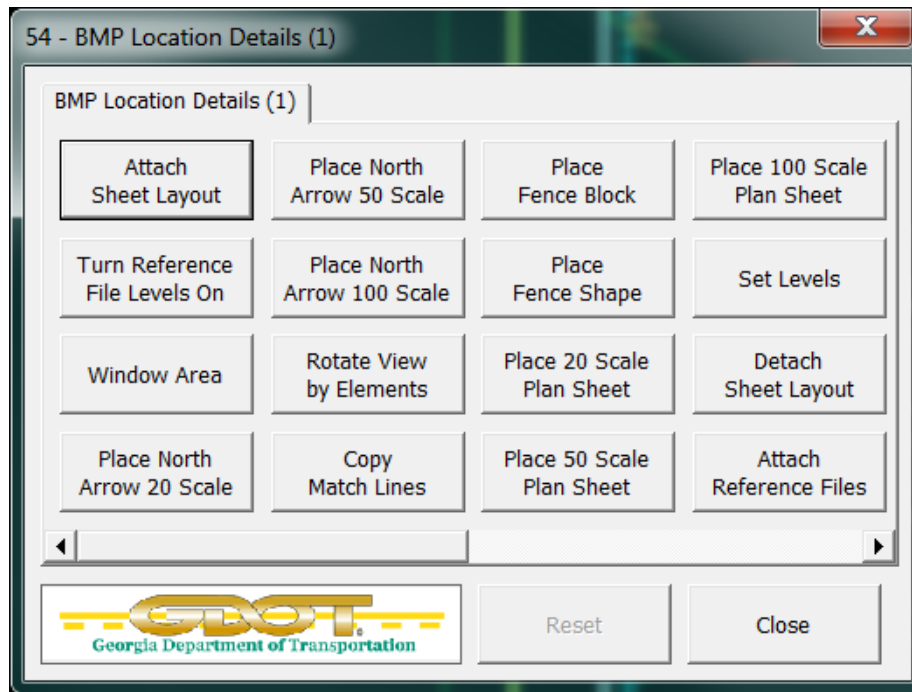


### 3-47 53-ESPCP Drainage Area Map



- **Attach Reference Files** – Attaches the reference DGN files as per the EDG requirements.
- **Set Reference File Levels** – Sets the reference dgn file levels as per the EDG requirements.
- **Place 500 Scale Plan Sheet** – Places the “GPLN” cell from the GDOT-GN-SHEETS cell library at a default scale of 500. User may over-ride the default scale after the command has been selected by keying in “AS=1000” etc... before pressing the Data Button.
- **Set Levels** – Sets the sheet DGN file levels and the reference DGN file levels as per the EDG requirements.
- **Place North Arrow 500 Scale** – Places the “NARROW” cell from the GDOT-GN-SHEETS cell library at a default scale of 500. User may over-ride the default scale after the command has been selected by keying in “AS=1000” etc... before pressing the Data Button.
- **Place 500 Scale Bar** – Places the “500SC” cell from the GDOT-GN-SHEETS cell library.
- **Place GDOT Logo 500 Scale** – Places the “GLOGO” cell from the GDOT-GN-SHEETS cell library at a scale of 500. User may over-ride the default scale after the command has been selected by keying in “AS=1000” etc... before pressing the Data Button.
- **Enter Data Fields** – Use to fill in the data fields on the Plan Sheet cell. This command will not be disabled after use, allowing the user to use this command as needed without have to use the “Reset” button.
- **Turn off Enter Data Fields** – Turns off the Data Fields for View 1.
- **File Design** – Saves the current view settings.
- **Save Plotting View** – Saves the plotting view from View 1 for use by the GPlot Utility.
- **Reset** – Enables any disabled commands to allow those commands to be accessed multiple times.
- **Close** – Closes the “53 – ESPCP Drainage Area Map” menu and returns the user to the “Root Menu”.

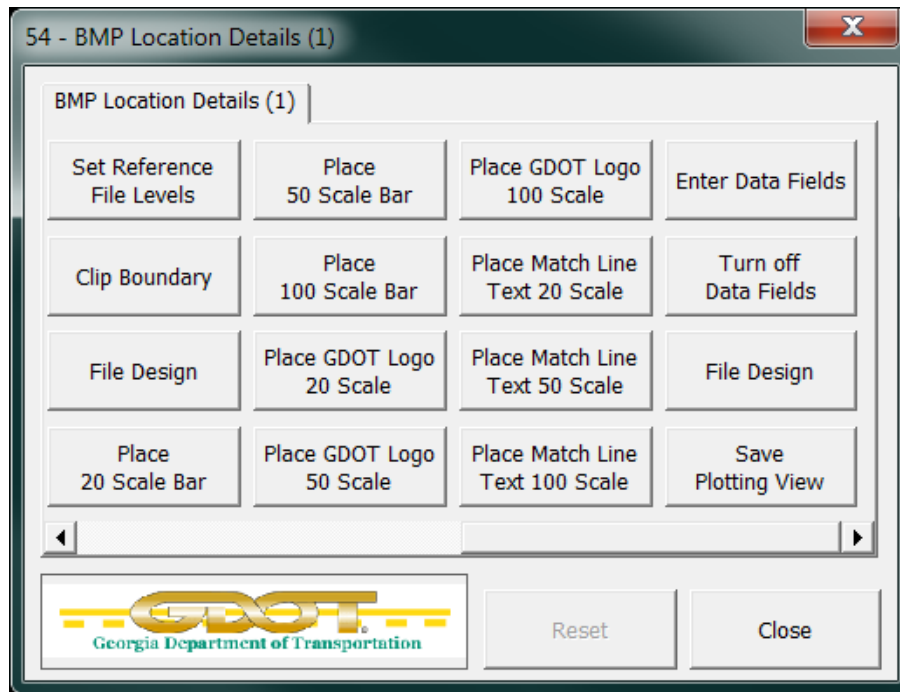
### 3-48 54-BMP Location Details



*“BMP Location Details (1)”*

- **Attach Sheet Layout** – Attaches the SheetLayout.dgn file.
- **Turn Reference File Levels On** – Turns on the SheetLayout DGN reference file levels ONLY.
- **Window Area** – Window area to the appropriate area to place the new plan sheet cell.
- **Place North Arrow x Scale** – Places the “NARROW” cell from the GDOT-GN-SHEETS cell library at the scale identified on each of the three options.
- **Rotate View by Elements** – User will enter a Data button on the top line of the clip border for the appropriate sheet to be created.
- **Copy Match Lines** – Allows user to copy the match lines from the SheetLayout DGN reference file into the plan sheet file.
- **Place Fence Block / Place Fence Shape** – Use to place a Fence Shape or Block to be used for Clipping the reference files.
- **Place x Scale Plan Sheet** – Places the “GPLN” cell from the GDOT-GN-SHEETS cell library at the scale identified on each of the three options.
- **Set Levels** – Sets the sheet DGN file levels and the reference file levels as per the EDG requirements.
- **Detach Sheet Layout** – Detaches the SheetLayout.DGN reference file.
- **Attach Reference Files** – Attaches the reference DGN files as per the EDG requirements.

### 3-48 54-BMP Location Details (continued)

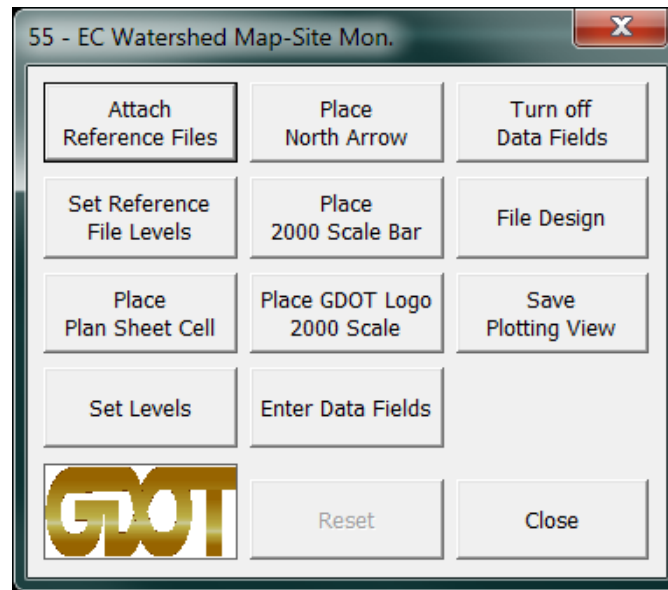


*“BMP Location Details (1)”*

- **Set Reference File Levels** – Sets the reference dgn file levels as per the EDG requirements.
- **Clip Boundary** - Clips reference dgn files.
- **File Design** – Saves the current view settings.
- **Place x Scale Bar Cell** – Places the scale bar cell at a scale of 20, 50 or 100.
- **Place GDOT Logo x Scale** – Places the “GLOGO” cell from the GDOT-GN-SHEETS cell library at a scale of 20, 50 or 100.
- **Place Match Line Text x Scale** – Places match line text for use at either end of the plan sheet coverage limits at a scale of 20, 50 or 100.
- **Enter Data Fields** – Use to fill in the data fields on the Plan Sheet cell. This command will not be disabled after use, allowing the user to use this command as needed without have to use the “Reset” button.
- **Turn off Enter Data Fields** – Turns off the Data Fields for View 1.
- **File Design** – Saves the current view settings.
- **Save Plotting View** – Saves the plotting view from View 1 for use by the GPlot Utility.
- **Reset** – Enables any disabled commands to allow those commands to be accessed multiple times.
- **Close** – Closes the “54 – BMP Location Details (1)” menu and returns the user to the “Root Menu”.

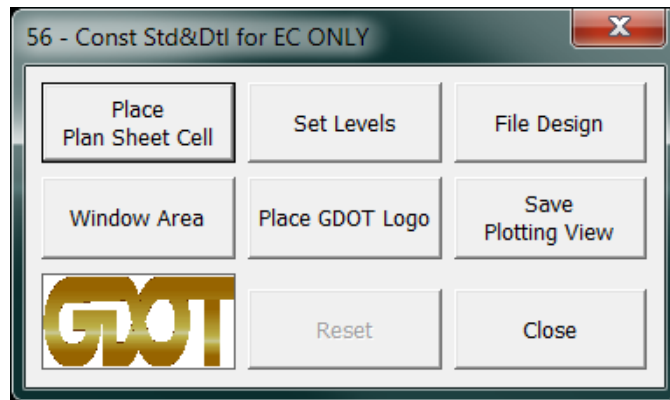
Use 54 – BMP Location Details (1) guidelines for menus 54 – BMP Location Details (2) through 54 – BMP Location Details (5).

### 3-49 55-EC Watershed Map-Site Monitoring



- **Attach Reference Files** – Attaches the reference DGN files as per the EDG requirements.
- **Set Reference File Levels** – Sets the reference DGN file levels as per the EDG requirements.
- **Place Plan Sheet Cell** – Places the “GPLN” cell from the GDOT-GN-SHEETS cell library at a default scale of 2000. User may over-ride the default scale after the command has been selected by keying in “AS=1000” etc... before pressing the Data Button.
- **Set Levels** – Sets the sheet DGN file levels and the reference file levels as per the EDG requirements.
- **Place North Arrow** – Places the “NARROW” cell from the GDOT-GN-SHEETS cell library at a default scale of 2000. User may over-ride the default scale after the command has been selected by keying in “AS=1000” etc... before pressing the Data Button.
- **Place GDOT Logo 2000 Scale** – Places the “GLOGO” cell from the GDOT-GN-SHEETS cell library at a scale of 2000. User may over-ride the default scale after the command has been selected by keying in “AS=1000” etc... before pressing the Data Button.
- **Place 2000 Scale Bar** – Places the “2000SC” cell from the GDOT-GN-SHEETS cell library.
- **Enter Data Fields** – Use to fill in the data fields on the Cover Sheet cell. This command will not be disabled after use, allowing the user to use this command as needed without have to use the “Reset” button.
- **Turn off Enter Data Fields** – Turns off the Data Fields for View 1.
- **File Design** – Saves the current view settings.
- **Save Plotting View** – Saves the plotting view from View 1 for use by the GPlot Utility.
- **Reset** – Enables any disabled commands to allow those commands to be accessed multiple times.
- **Close** – Closes the “55 – Watershed Map-Site Mon.” menu and returns the user to the “Root Menu”.

### 3-50 56-Const Stds & Dtls for Ero Cont ONLY



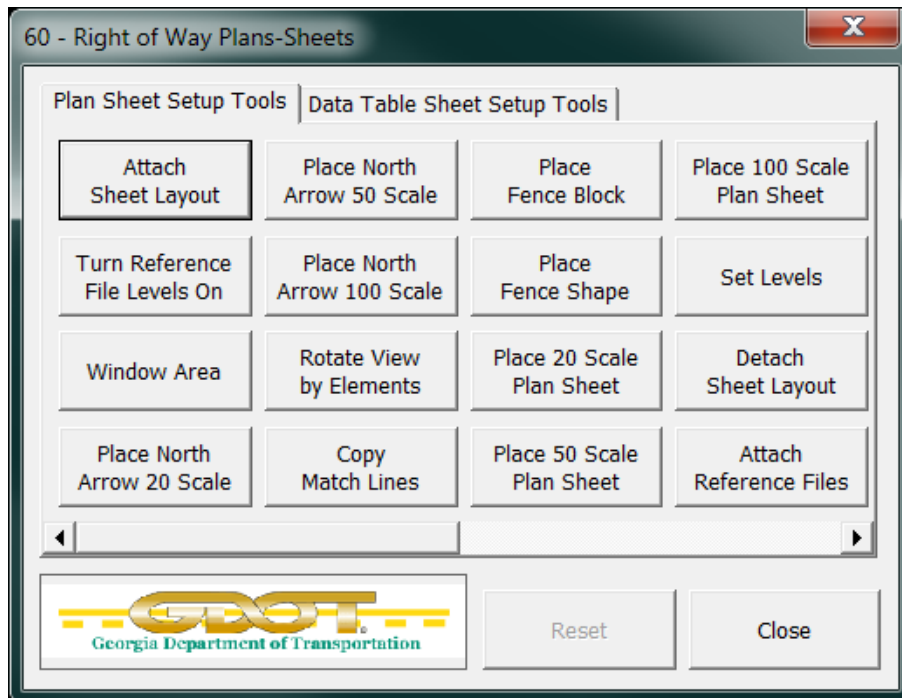
- **Place Plan Sheet Cell** – Places the “GPLN” cell from the GDOT-GN-SHEETS cell library at a default scale of 1. User may over-ride the default scale after the command has been selected by keying in “AS=1000” etc... before pressing the Data Button.
- **Window Area** – Window area on the appropriate are for the plan sheet.
- **Set Levels** – Sets the sheet DGN file levels as per the EDG requirements.
- **Place GDOT Logo** – Places the “GLOGO” cell from the GDOT-GN-SHEETS cell library at a scale of 1. User may over-ride the default scale after the command has been selected by keying in “AS=1000” etc... before pressing the Data Button.
- **File Design** – Saves the current view settings.
- **Save Plotting View** – Saves the plotting view from View 1 for use by the GPlot Utility.
- **Reset** – Enables any disabled commands to allow those commands to be accessed multiple times.
- **Close** – Closes the “56 – Const Std&Dtl for EC ONLY” menu and returns the user to the “Root Menu”.

### 3-51 60-Right of Way Plan-Cover



- **Attach Reference Files** – Attaches reference files to the Right of Way Cover Sheet DGN file as per the EDG requirements.
- **Place Fence Block / Place Fence Shape** – Use to place a Fence Shape or Block to be used for Clipping the reference files.
- **Clip Boundary** – Clips reference dgn files.
- **File Design** - Saves the current view settings.
- **Place Cover Sheet Cell** – Places the “GRWCOV” cell from the GDOT-GN-SHEETS cell library at a default scale of 500. User may over-ride the default scale after the command has been selected by keying in “AS=1000” etc... before pressing the Data Button.
- **Set Levels** – Sets the cover sheet DGN file levels and all reference file levels as per the EDG requirements.
- **Place North 500 Arrow** – Places the “COVNOR” cell from the GDOT-GN-SHEETS cell library at a default scale of 500. User may over-ride the default scale after the command has been selected by keying in “AS=1000” etc... before pressing the Data Button.
- **Place 500 Scale Bar** – Places the “500SC” cell from the GDOT-GN-SHEETS cell library at a scale of 500.
- **Enter Data Fields** – Use to fill in the data fields on the Cover Sheet cell. This command will not be disabled after use, allowing the user to use this command as needed without have to use the “Reset” button.
- **Turn off Enter Data Fields** – Turns off the Data Fields for View 1.
- **File Design** – Saves the current view settings.
- **Save Plotting View** – Saves the plotting view from View 1 for use by the GPlot Utility.
- **Reset** – Enables any disabled commands to allow those commands to be accessed multiple times.
- **Close** – Closes the “60 – Right of Way Plans - Cover” menu and returns the user to the “Root Menu”.

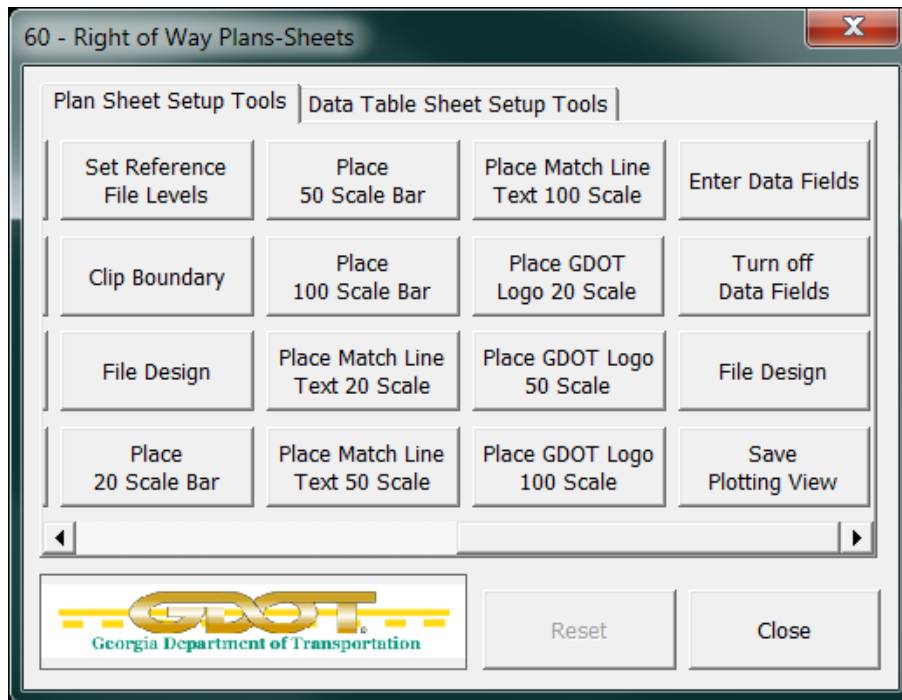
### 3-52 60-Right of Way Plan-Sheets



*"Plan Sheet Setup Tools" tab*

- **Attach Sheet Layout** – Attaches the SheetLayout.dgn file.
- **Turn Reference File Levels On** – Turns on the SheetLayout DGN reference file levels ONLY.
- **Window Area** – Window area to the appropriate area to place the new plan sheet cell.
- **Place North Arrow x Scale** – Places the "NARROW" cell from the GDOT-GN-SHEETS cell library at the scale identified on each of the three options.
- **Rotate View by Elements** – User will enter a Data button on the top line of the clip border for the appropriate sheet to be created.
- **Copy Match Lines** – Allows user to copy the match lines from the SheetLayout DGN reference file into the plan sheet file.
- **Place Fence Block / Place Fence Shape** – Use to place a Fence Shape or Block to be used for Clipping the reference files.
- **Place x Scale Plan Sheet** – Places the "GPLN" cell from the GDOT-GN-SHEETS cell library at the scale identified on each of the three options.
- **Set Levels** – Sets the sheet DGN file levels and the reference file levels as per the EDG requirements.
- **Detach Sheet Layout** – Detaches the SheetLayout.DGN reference file.
- **Attach Reference Files** – Attaches the reference DGN files as per the EDG requirements.

### 3-52 60-Right of Way Plan-Sheets (continued)

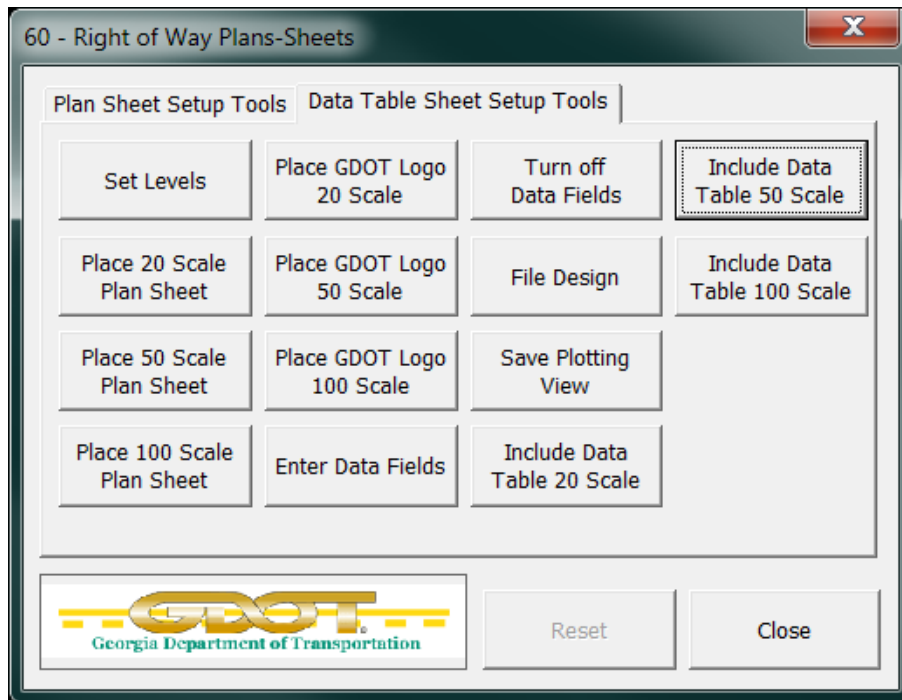


*"Plan Sheet Setup Tools" tab*

- **Set Reference File Levels** – Sets the reference dgn file levels as per the EDG requirements.
- **Clip Boundary** - Clips reference dgn files.
- **File Design** – Saves the current view settings.
- **Place x Scale Bar Cell** – Places the scale bar cell at a scale of 20, 50 or 100.
- **Place Match Line Text x Scale** – Places match line text for use at either end of the plan sheet coverage limits at a scale of 20, 50 or 100.
- **Place GDOT Logo x Scale** – Places the "GLOGO" cell from the GDOT-GN-SHEETS cell library at a scale of 20, 50 or 100.
- **Enter Data Fields** – Use to fill in the data fields on the Plan Sheet cell. This command will not be disabled after use, allowing the user to use this command as needed without have to use the "Reset" button.
- **Turn off Enter Data Fields** – Turns off the Data Fields for View 1.
- **File Design** – Saves the current view settings.
- **Save Plotting View** – Saves the plotting view from View 1 for use by the GPlot Utility.
- **Reset** – Enables any disabled commands to allow those commands to be accessed multiple times.
- **Close** – Closes the "60 – Right of Way Plans-Sheets" menu and returns the user to the "Root Menu".



### 3-52 60-Right of Way Plan-Sheets (continued)



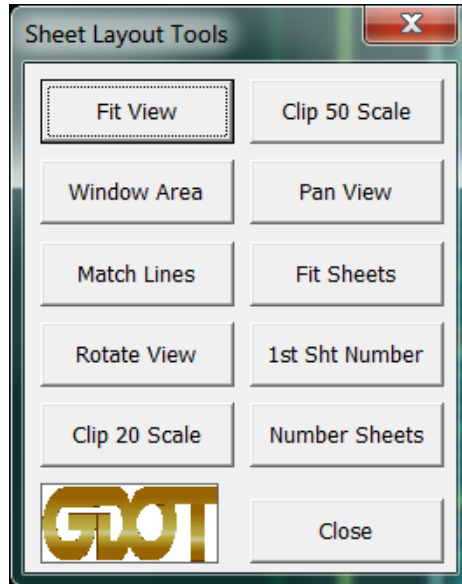
*"Data Table Sheet Setup Tools" tab*

- **Place 20 Scale Plan Sheet** – Place the "GPLN" cell from the GDOT-GN-SHEETS cell library at 20 scale.
- **Place 50 Scale Plan Sheet** - Place the "GPLN" cell from the GDOT-GN-SHEETS cell library at 50 scale.
- **Place 100 Scale Plan Sheet** - Place the "GPLN" cell from the GDOT-GN-SHEETS cell library at 100 scale.
- **Place GDOT Logo x Scale** – Places the "GLOGO" cell from the GDOT-GN-SHEETS cell library at a scale of 20, 50 or 100.
- **Set Levels** – Sets the sheet DGN file levels as per the EDG requirements.
- **Enter Data Fields** – Use to fill in the data fields on the Plan Sheet cell. This command will not be disabled after use, allowing the user to use this command as needed without have to use the "Reset" button.
- **Turn off Enter Data Fields** – Turns off the Data Fields for View 1.
- **File Design** – Saves the current view settings.
- **Save Plotting View** – Saves the plotting view from View 1 for use by the GPlot Utility.
- **Include Data Table 20 Scale** through **Include Data Table 100 Scale**- Imports an ASCII text file to fill in the required data table information at 20, 50 or 100 scale. This file must be in the correct format. An example text file is included in the CADAll download.
- **Reset** – Enables any disabled commands to allow those commands to be accessed multiple times.
- **Close** – Closes the "60 – Right of Way Plans-Sheets" menu and returns the user to the "Root Menu".

## **4-1 Reference File - Expanded**

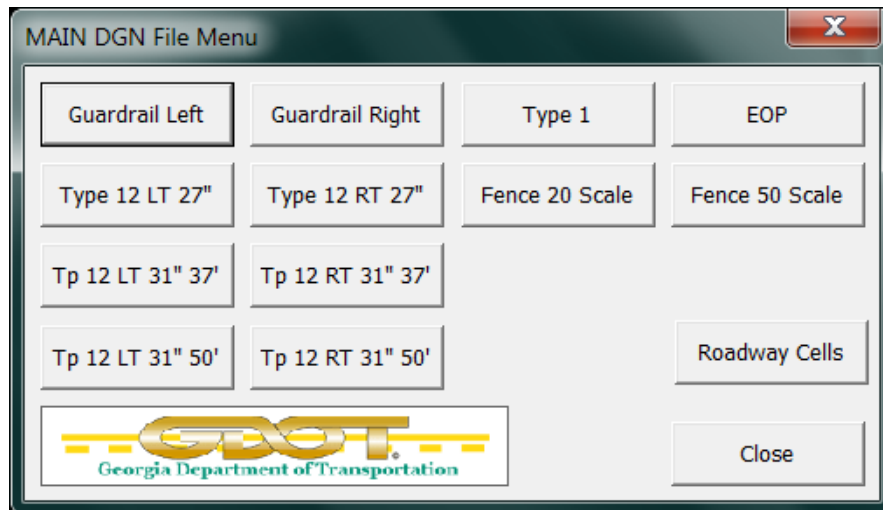
**The following sections provide an expanded description of the functions of the GDOT Root Menu Reference File section that is included in the GDOT Workspace for MicroStation V8i.**

## 4-2 Sheet Layout Tools



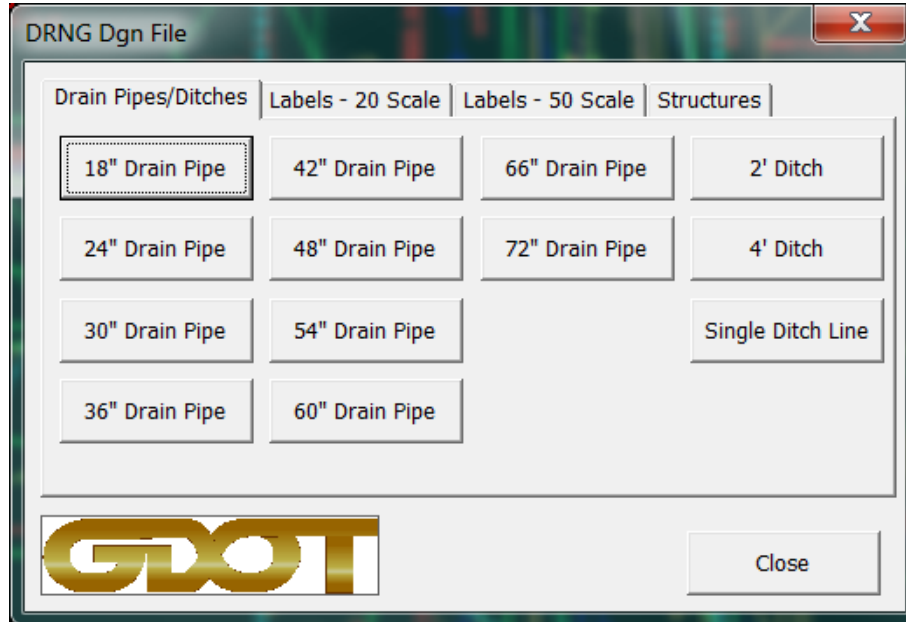
- **Fit View** – MicroStation “Fit View” command.
- **Window Area** – MicroStation “Window Area” command.
- **Match Lines** – Use to draw plan sheet Match Lines.
- **Rotate View** – MicroStation “Rotate View by 2pts” command.
- **Clip 20 Scale** – Places the “SCLIP” cell from the GDOT-GN-SHEETS cell library at 20 scale.
- **Clip 50 Scale** – Places the “SCLIP” cell from the GDOT-GN-SHEETS cell library at 50 scale.
- **Pan View** – MicroStation “Window Pan” command.
- **Fit Sheets** – MicroStation “Fit View” command.
- **1<sup>st</sup> Sht Number** – Enter in text of first sheet number.
- **Number Sheets** – MicroStation “Copy and Increment Text” command based on the *1<sup>st</sup> Sht Number* entry.
- **Close** – Closes the “Sheet Layout Tools” menu and returns the user to the “Root Menu”.

## 4-3 [MAIN] Alignment/EOP



- **Guardrail Left** – Place lines/arcs with the guardrail line patterning for the left side of the roadway.
- **Guardrail Right** – Place lines/arcs with the guardrail line patterning for the right side of the roadway.
- **Type 12 Left** – Places the “TP12” cell from the GDOT-GN-Misc-Roadway cell library for the left side of the roadway.
- **Type 12 Right** - Places the “TP12” cell from the GDOT-GN-Misc-Roadway cell library for the right side of the roadway.
- **Type 1** – Places the “TP1” cell from the GDOT-GN-Misc-Roadway cell library.
- **EOP** – Places lines/arcs for drawing mainline edge of pavements.
- **Fence 20 Scale** – Place lines/arcs with fencing line patterning at 20 scale.
- **Fence 50 Scale** – Place lines/arcs with fencing line patterning at 50 scale.
- **Roadway Cells** – Opens the GDOT-GN-MISC-Roadway cell library.
- **Close** – Closes the “MAIN DGN File Menu” and returns the user to the “Root Menu”.

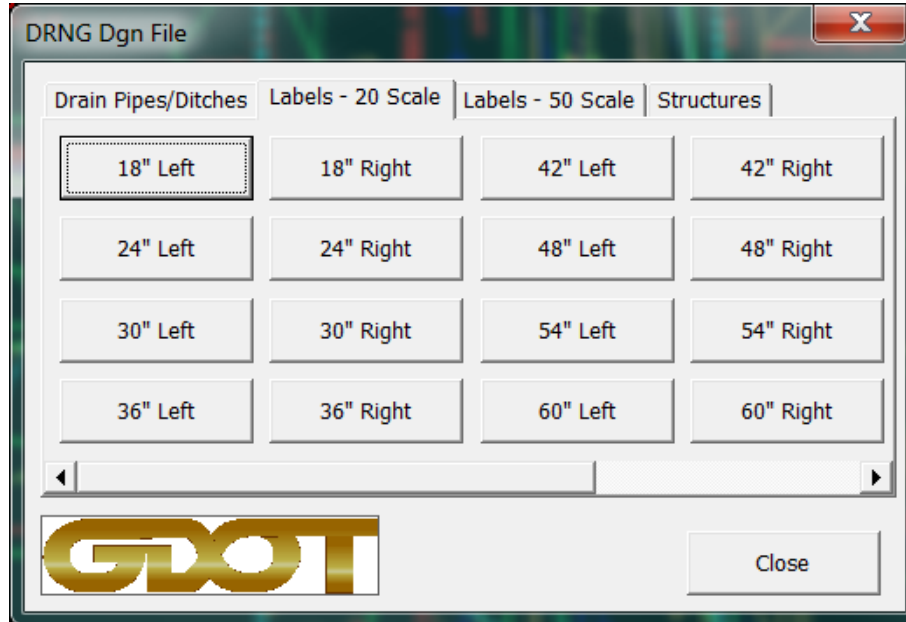
## 4-4 [DRNG] Drainage – Plan View



*"Drain Pipes/Ditches" tab*

- **18" Drain Pipe** through **Single Ditch Line** – Place lines/arcs with appropriate linear patterning by button description as per the EDG requirements.
- **Close** – Closes the "DRNG DGN File Menu" and returns the user to the "Root Menu".

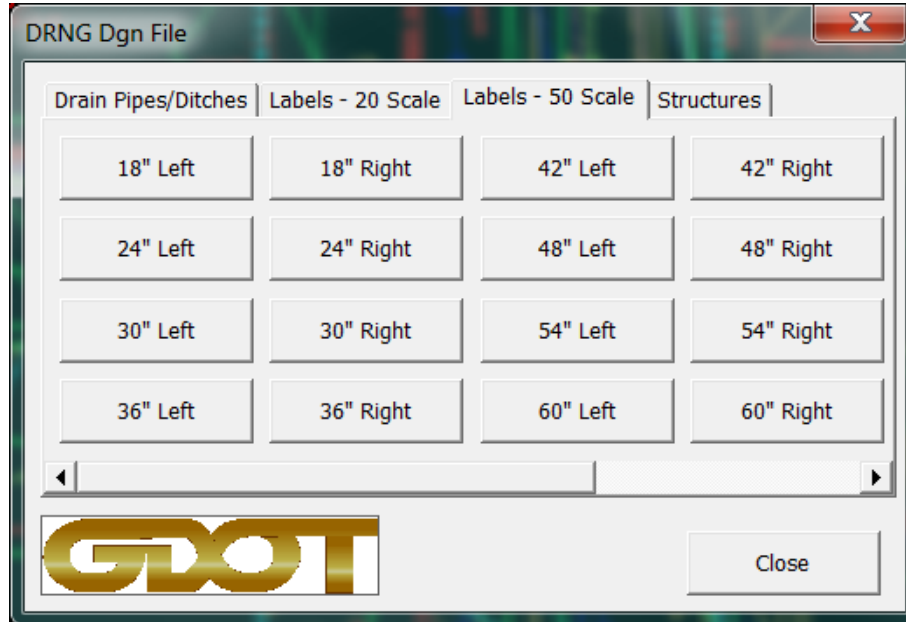
#### 4-4 [DRNG] Drainage – Plan View (continued)



*“Labels – 20 Scale” tab*

- **18” Left** through **72” Right** – Place drainage pipe size labels with flow direction arrow at 20 scale.
- **Close** – Closes the “DRNG DGN File Menu” and returns the user to the “Root Menu”.

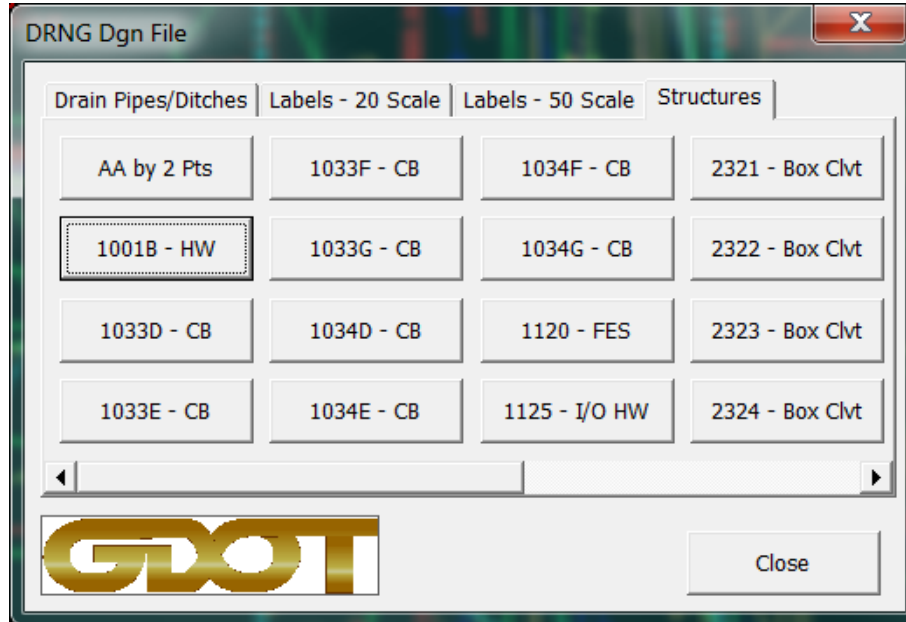
#### 4-4 [DRNG] Drainage – Plan View (continued)



*"Labels – 50 Scale" tab*

- **18" Left** through **72" Right** – Place drainage pipe size labels with flow direction arrow at 50 scale.
- **Close** – Closes the "DRNG DGN File Menu" and returns the user to the "Root Menu".

## 4-4 [DRNG] Drainage – Plan View (continued)

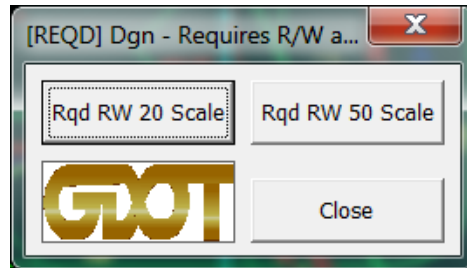


*"Structures" tab*

- **AA by 2 Pts** – Set the active angle by two user selected points.
- **101B – HW** through **D6 – Safety Grate** - Place drainage structure cells based on button description.
- **Close** – Closes the "DRNG DGN File Menu" and returns the user to the "Root Menu".

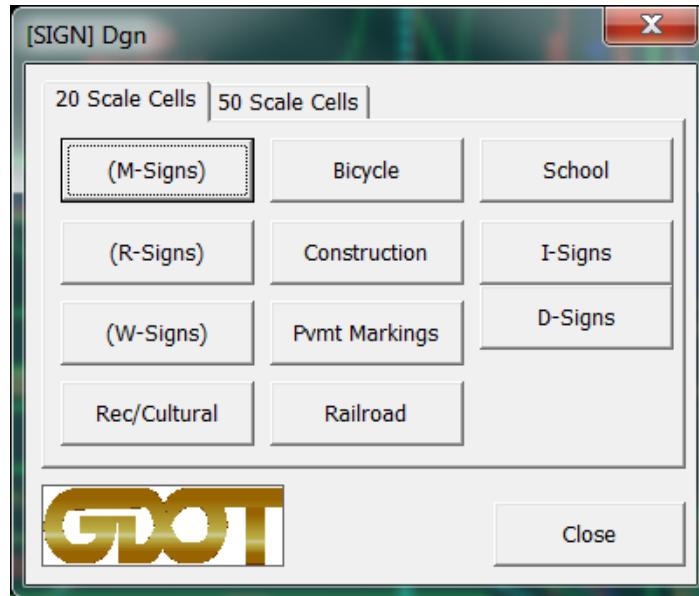


## 4-5 [REQD] Reqd R/W & Easements



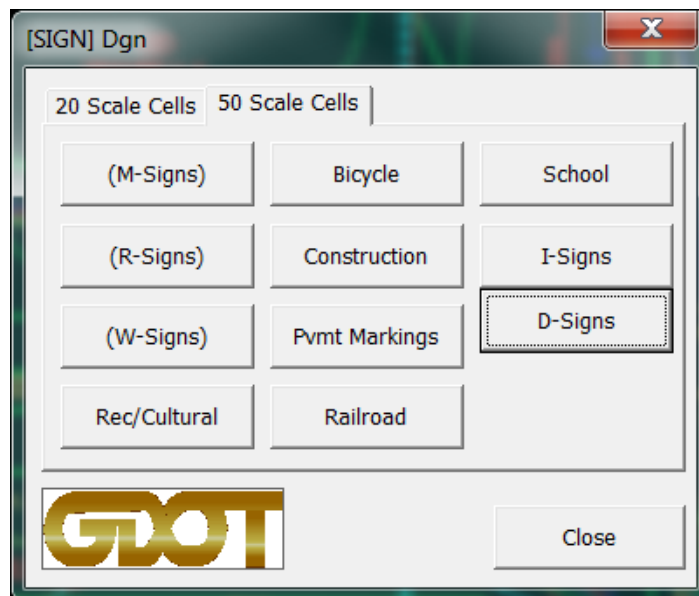
- **Rqd RW 20 Scale** – Place Required Right of Way cells via MicroStation Cell Selector utility at 20 scale.
- **Rqd RW 50 Scale** – Place Required Right of Way cells via MicroStation Cell Selector utility at 50 scale.
- **Close** – Closes the “REQD DGN File Menu” and returns the user to the “Root Menu”.

## 4-6 [SIGN] Signing and Pavement Marking



*“20 Scale Cells” tab*

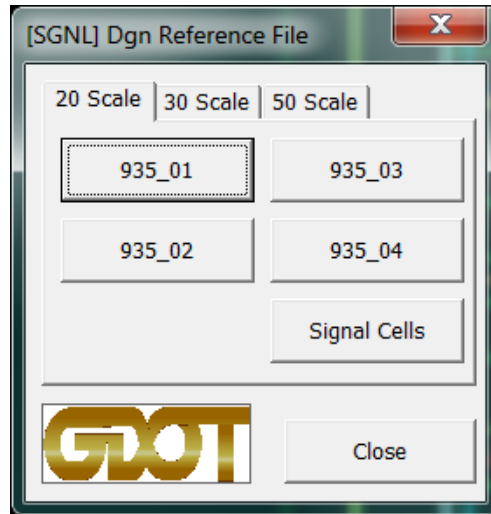
- **(M-Signs)** through **D-Signs** - Place signing related cells via MicroStation Cell Selector utility at 20 scale.
- **Close** – Closes the “[SIGN] Dgn” and returns the user to the “Root Menu”.



*“50 Scale Cells” tab*

- **(M-Signs)** through **D-Signs** - Place signing related cells via MicroStation Cell Selector utility at 50 scale.
- **Close** – Closes the “[SIGN] Dgn” and returns the user to the “Root Menu”.

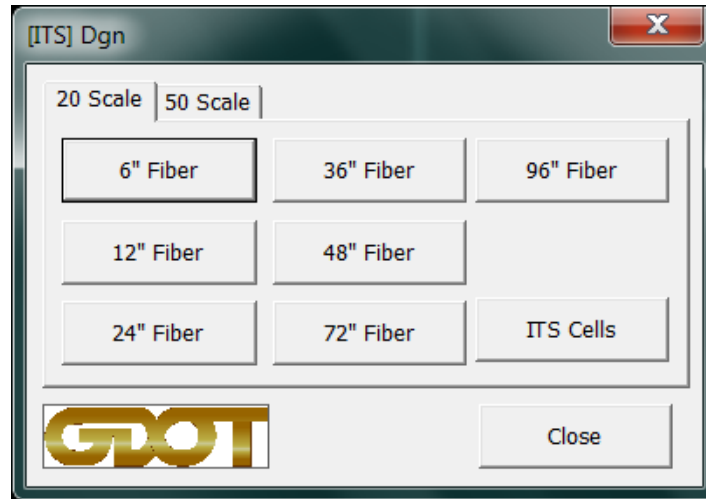
## 4-7 [SGNL] Signal Plan



- **935\_01** through **Signal Cells** - Place signal related cells via MicroStation Cell Selector utility at 20 scale.
- **Close** – Closes the “[SGNL] Dgn Reference File” menu and returns the user to the “Root Menu”.

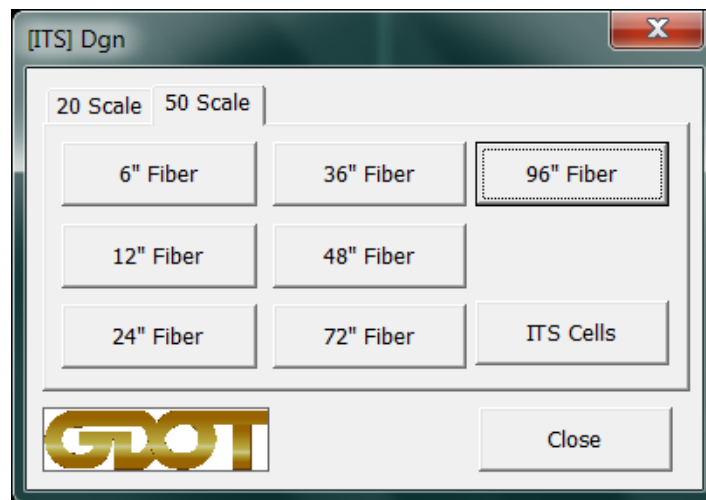
Use 20 Scale guidelines for 30 and 50 scale tabs.

## 4-8 [ITS] ITS Plan



*“20 Scale” tab*

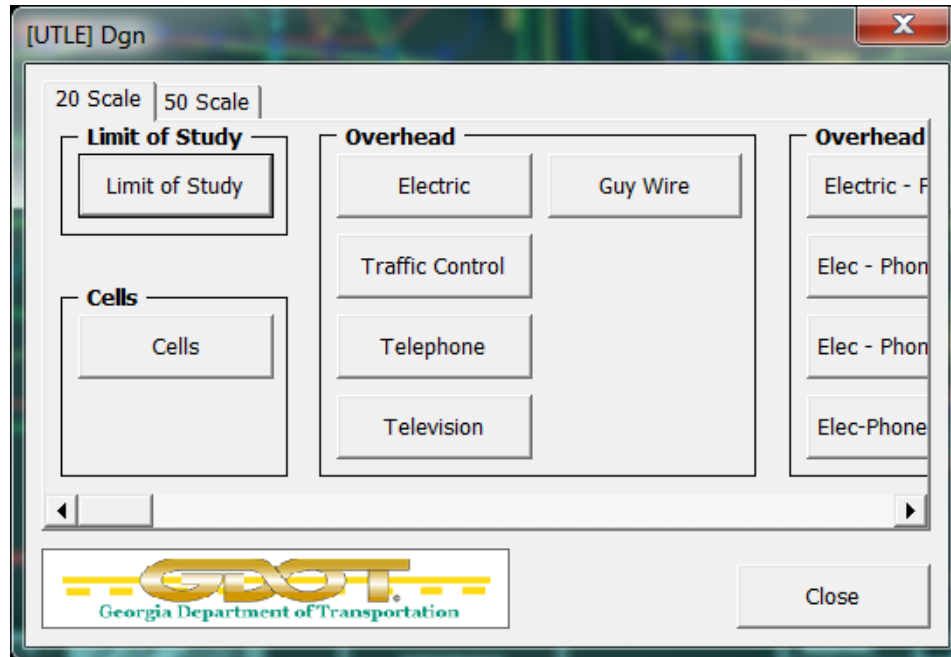
- **6" Fiber** through **96" Fiber** - Place lines/arcs with linear patterning based on button description at 20 scale.
- **ITS Cells** – Opens the GDOT-TO-ITS cell library.
- **Close** – Closes the “[ITS] Dgn” menu and returns the user to the “Root Menu”.



*“50 Scale” tab*

- **6" Fiber** through **96" Fiber** - Place lines/arcs with linear patterning based on button description at 50 scale.
- **ITS Cells** – Opens the GDOT-TO-ITS cell library.
- **Close** – Closes the “[ITS] Dgn” menu and returns the user to the “Root Menu”.

## 4-9 [UTLE] Existing Utilities

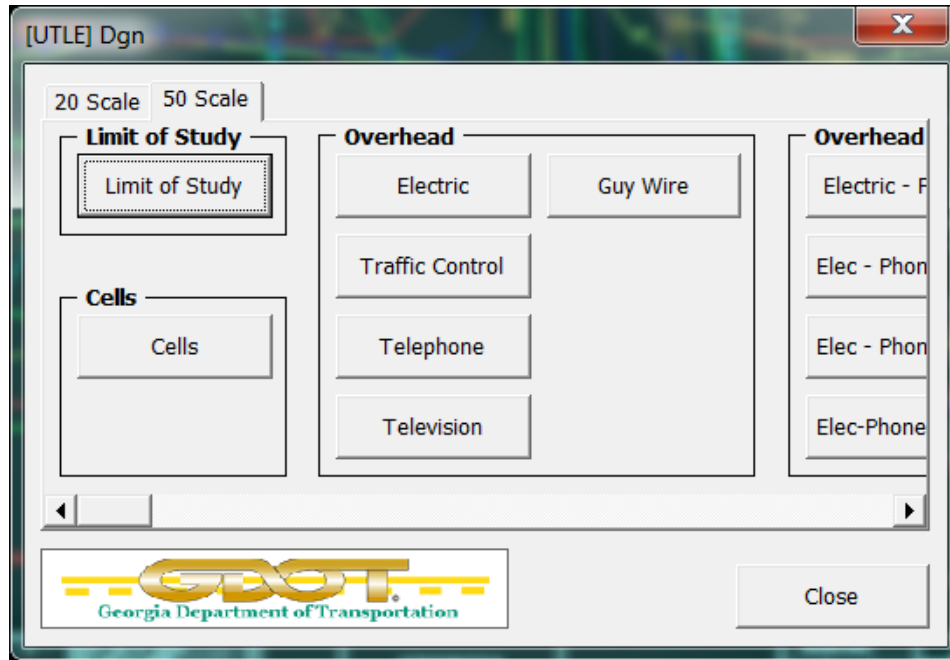


*"20 Scale" tab*

- **Limit of Study** through **Var Water-C** - Place lines/arcs with linear patterning based on button description at 20 scale.
- **Cells** – Opens MicroStation Cell Selector for existing Utility cells.
- **Close** – Closes the "[UTLE] Dgn" menu and returns the user to the "Root Menu".

## 4-9 [UTLE] Existing Utilities

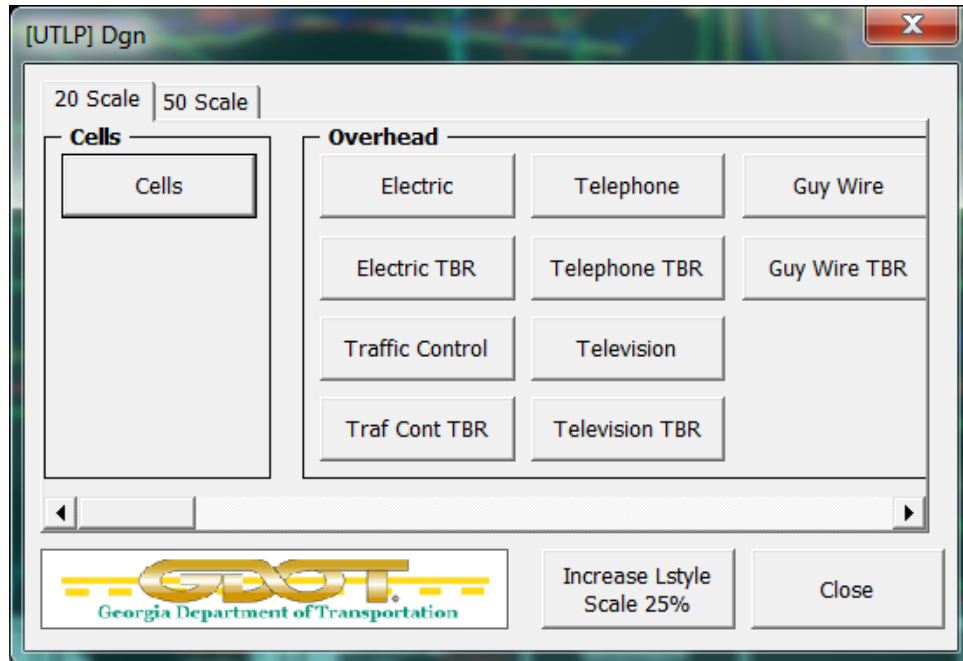
(continued)



*"50 Scale" tab*

- **Limit of Study** through **Var Water-C** - Place lines/arcs with linear patterning based on button description at 50 scale.
- **Cells** – Opens MicroStation Cell Selector for existing Utility cells.
- **Close** – Closes the "[UTLE] Dgn" menu and returns the user to the "Root Menu".

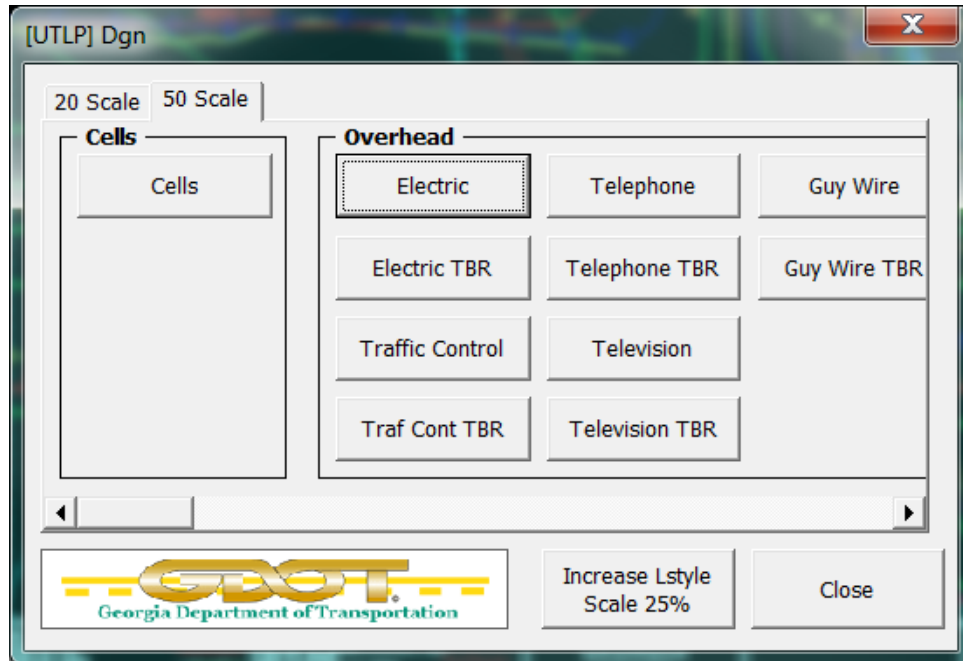
## 4-10 [UTLP] Proposed Utilities



*"20 Scale" tab*

- **Cells** – Place existing utility cells via the MicroStation Cell Selector utility at 20 scale.
- **Electric** through **Var Water** - Place lines/arcs with linear patterning based on button description at 20 scale.
- **Close** – Closes the "[UTLP] Dgn" menu and returns the user to the "Root Menu".

## 4-10 [UTLP] Proposed Utilities (continued)

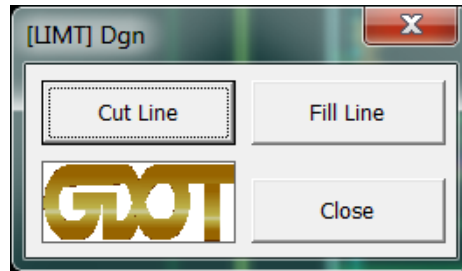


*"50 Scale" tab*

- **Cells** – Place proposed utility cells via the MicroStation Cell Selector utility at 50 scale.
- **Electric** through **Var Water** - Place lines/arcs with linear patterning based on button description at 50 scale.
- **Close** – Closes the "[UTLP] Dgn" menu and returns the user to the "Root Menu".

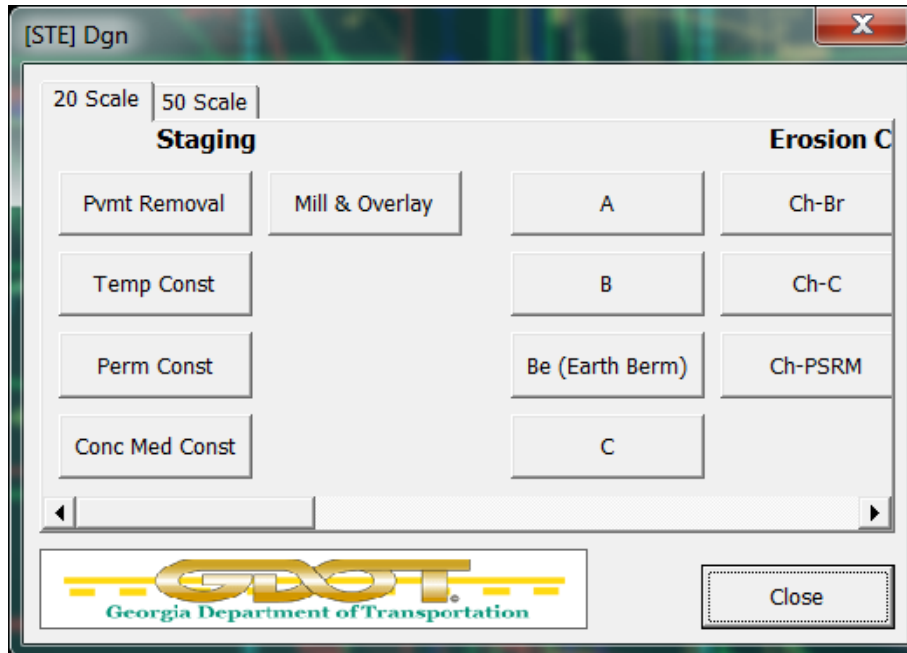


## 4-11 [LIMT] Construction Limits



- **Cut Line** - Place lines/arcs with *Cut Line* construction limit linear patterning.
- **Fill Line** – Place lines/arcs with *Fill Line* construction limit liner patterning.
- **Close** – Closes the “[LIMT] Dgn” menu and returns the user to the “Root Menu”.

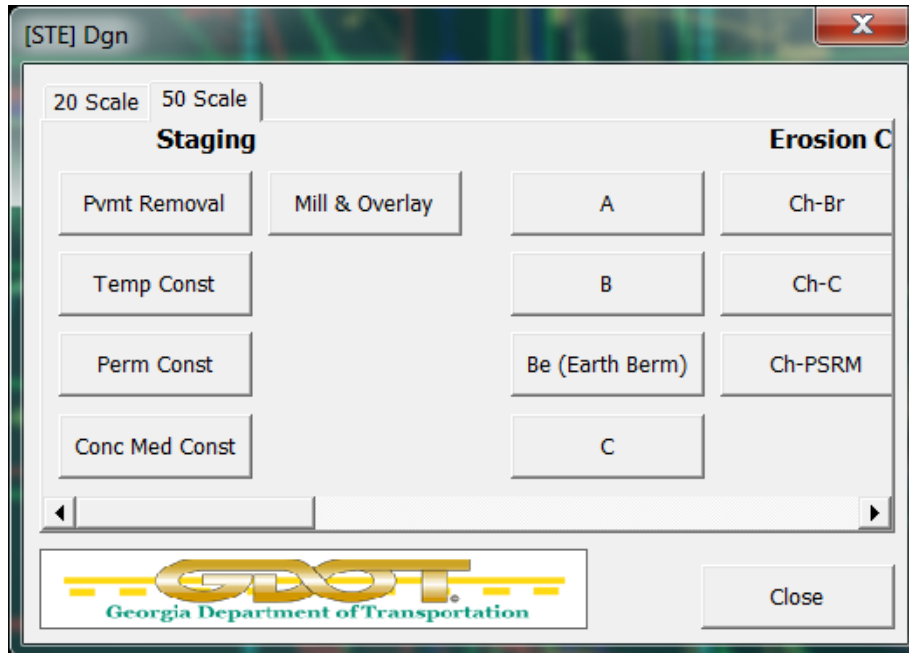
## 4-12 [STE#] Staging and Erosion Control



*"20 Scale" tab*

- **Pvmt Removal** through **Mill & Overlay** – Pattern closed shapes with staging patterns as per EDG requirements.
- **A** through **T** – Place lines/arcs with linear patterning based on button descriptions at 20 scale.
- **Erosion Cells** – Place erosion control cells via the MicroStation Cell Selector utility at 20 scale.
- **Close** – Closes the "[STE] Dgn" menu and returns the user to the "Root Menu".

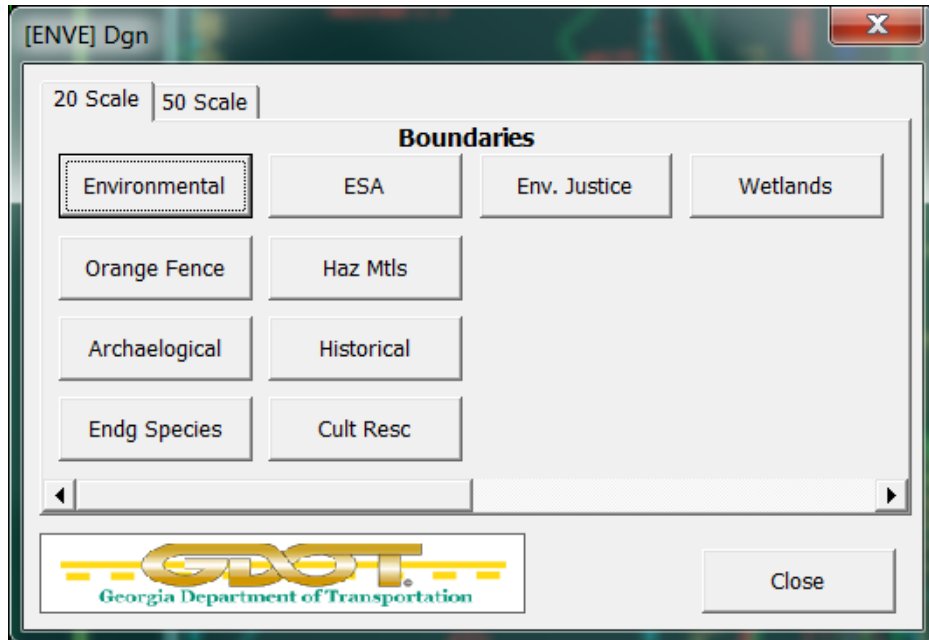
## 4-12 [STE#] Staging and Erosion Control (continued)



*"50 Scale" tab*

- **Pvmt Removal** through **Mill & Overlay** – Pattern closed shapes with staging patterns as per EDG requirements.
- **A** through **T** – Place lines/arcs with linear patterning based on button descriptions at 50 scale.
- **Erosion Cells** – Place erosion control cells via the MicroStation Cell Selector utility at 50 scale.
- **Close** – Closes the "[STE] Dgn" menu and returns the user to the "Root Menu".

## 4-13 [ENVE] Existing Environmental & Cultural Resources

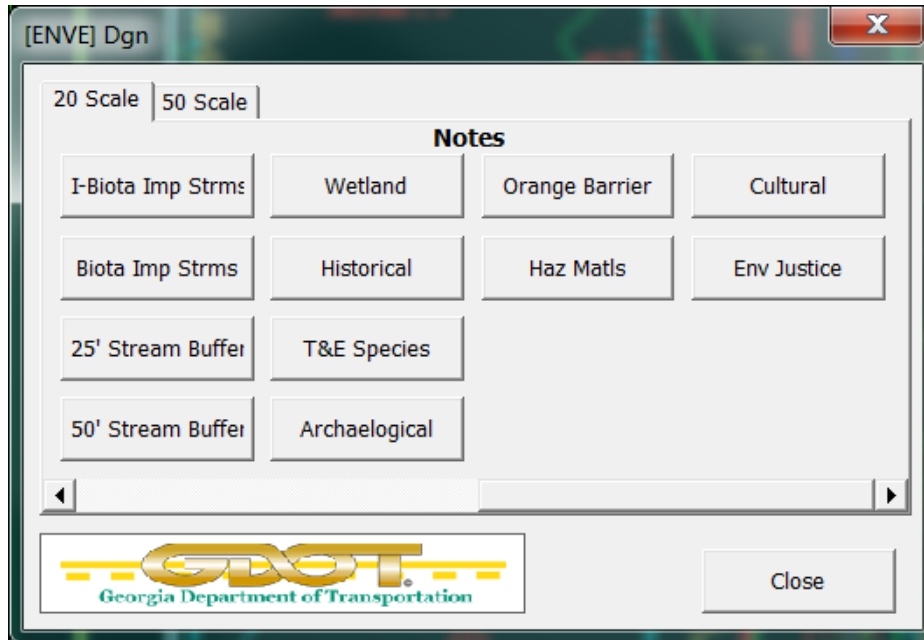


*"20 Scale" tab*

- **Environmental** through **Wetlands** – Place lines/arcs with linear patterning at 20 scale based on EDG requirements.

Use 20 Scale guidelines for 50 scale tab.

## 4-13 [ENVE] Existing Environmental & Cultural Resources

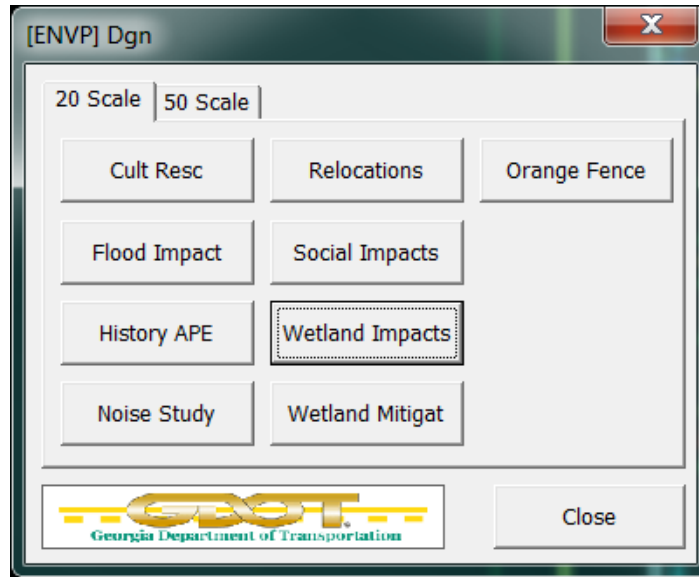


*"20 Scale" tab*

- ***I-Biota Imp Strms*** through ***Env Justice*** – Place existing environmental note cells based on the button description at 20 scale.
- ***Close*** – Closes the "[STE] Dgn" menu and returns the user to the "Root Menu".

Use 20 Scale guidelines for 50 scale tab.

## 4-14 [ENVP] Proposed Environmental & Cultural Resources

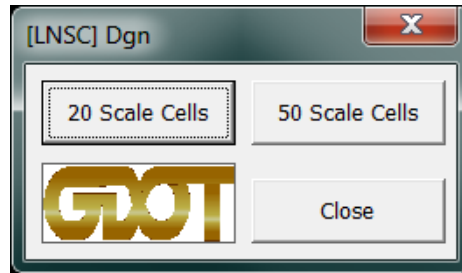


*"20 Scale" tab*

- **Cult Resc** through **Orange Fence** – Place lines/arcs with linear patterning at 20 scale based on EDG requirements.
- **Close** – Closes the "[ENVP] Dgn" menu and returns the user to the "Root Menu".

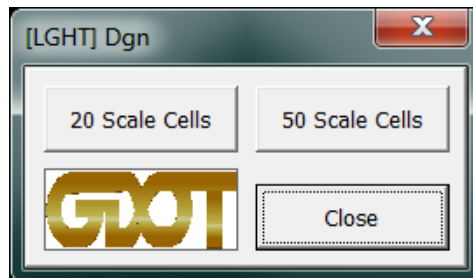
Use 20 Scale guidelines for 50 scale tab.

## 4-15 [LNSC] Landscaping



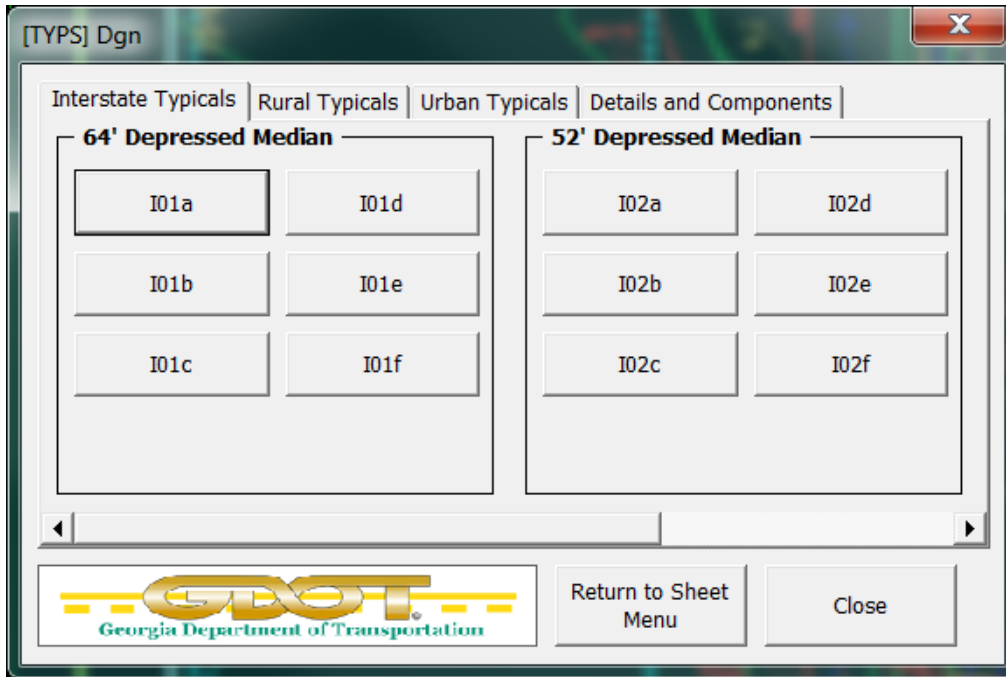
- **20 Scale Cells** – Place landscaping cells via the MicroStation Cell Selector utility at 20 scale.
- **50 Scale Cells** – Place landscaping cells via the MicroStation Cell Selector utility at 50 scale.
- **Close** – Closes the “[LNSC] Dgn” menu and returns the user to the “Root Menu”.

## 4-16 [LGHT] Lighting



- **20 Scale Cells** – Place lighting cells via the MicroStation Cell Selector utility at 20 scale.
- **50 Scale Cells** – Place lighting cells via the MicroStation Cell Selector utility at 50 scale.
- **Close** – Closes the “[LGHT] Dgn” menu and returns the user to the “Root Menu”.

## 4-17 [TYP] Typical Sections

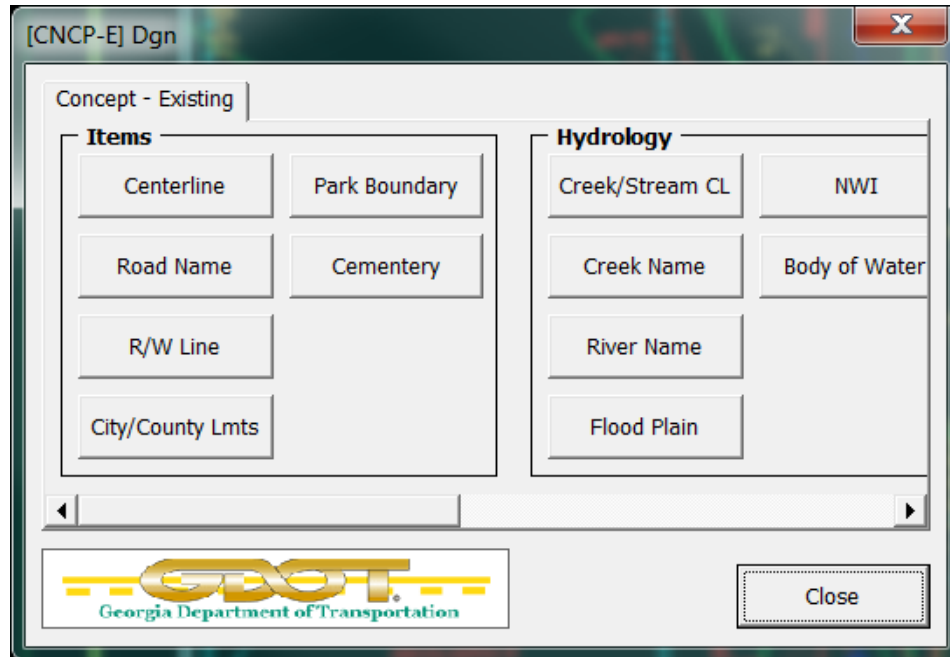


*"Interstate Typical" tab*

- **I01a** through **TRUCKF** – Place typical section cells based on button description. The menu is divided into four tabs: *Interstate Typical*, *Rural Typical*, *Urban Typical* and *Details and Components*.
- **Return to Sheet Menu** – Closed the "[TYP] Dgn" menu and opens the "05 – Typical Sections Menu".
- **Close** – Closes the "[TYP] Dgn" menu and returns the user to the "Root Menu".

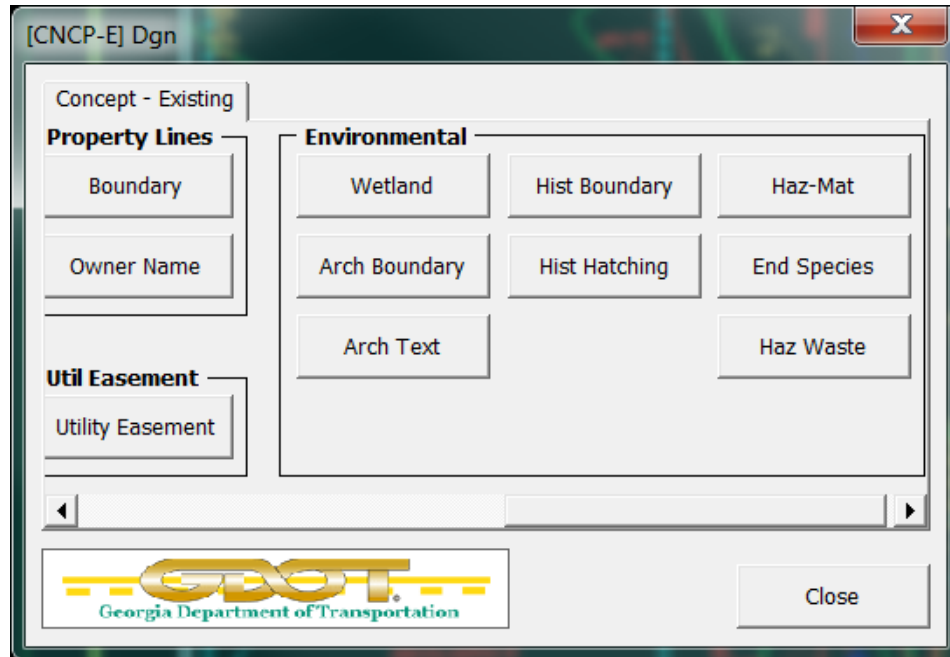


## 4-18 [CNCP-E] Existing Concept



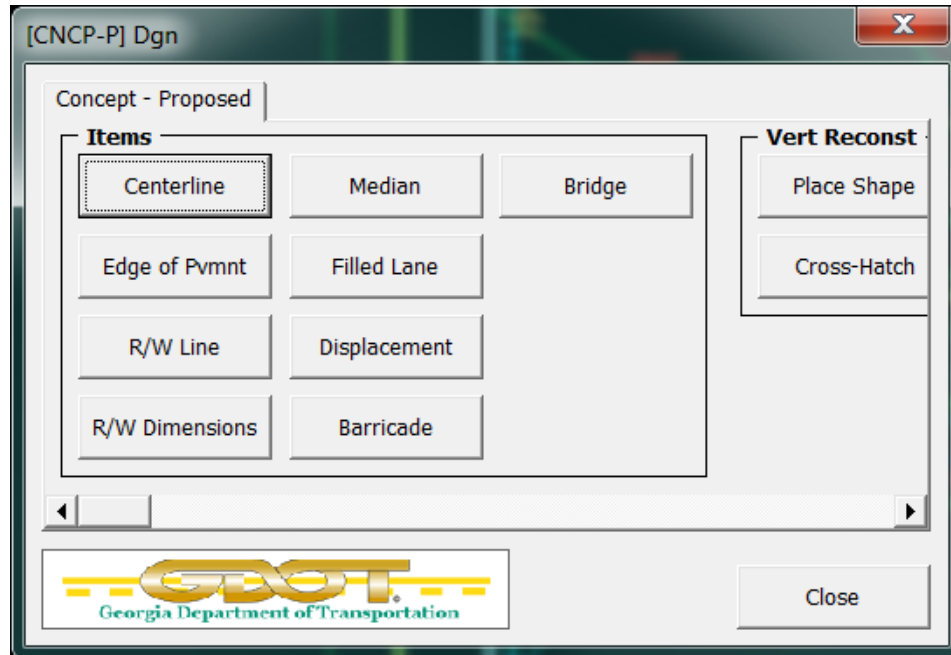
- **Centerline** – Place existing centerlines.
- **Road Name** – Place existing roadway name text.
- **R/W Line** – Place existing right of way lines.
- **City/County Lmts** – Place City and County limits lines.
- **Park Boundary** – Place Park Boundaries.
- **Cemetery** – Place Cemetery boundary lines.
- **Creek/Stream CL** – Place creek and stream centerlines.
- **Creek Name** – Place creek name text.
- **River Name** – Place river name text.
- **Flood Plain** – Place flood plain boundary lines.
- **NWI** – Place National Inventory lines.
- **Body of Water** – Place body of water limit lines.

## 4-18 [CNCP-E] Existing Concept (continued)



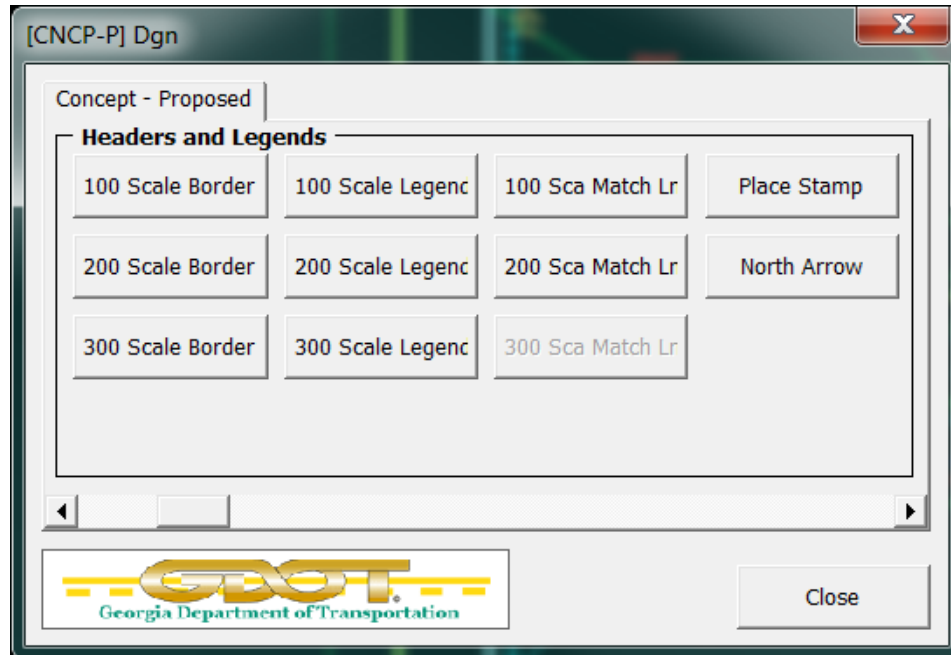
- **Boundary** – Place existing property lines.
- **Owner Name** – Place existing property owner name text.
- **Utility Easement** – Place existing Utility Easement lines.
- **Wetland** – Place Existing Wetland boundary lines.
- **Arch Boundary** – Place Archeological boundary lines.
- **Arch Text** – Place Archeological text.
- **Hist Boundary** – Place Historical boundary lines.
- **Hist Hatching** – Place Historical boundary cross hatching.
- **Haz-Mat** – Place Hazardous Material boundary lines.
- **End Species** – Place Endangered Species boundary lines.
- **Haz Waste** – Place Hazardous boundary lines.
- **Close** - Closes the “[CNCP-E] Dgn” menu and returns the user to the “Root Menu”.

## 4-19 [CNCP-P] Proposed Concept



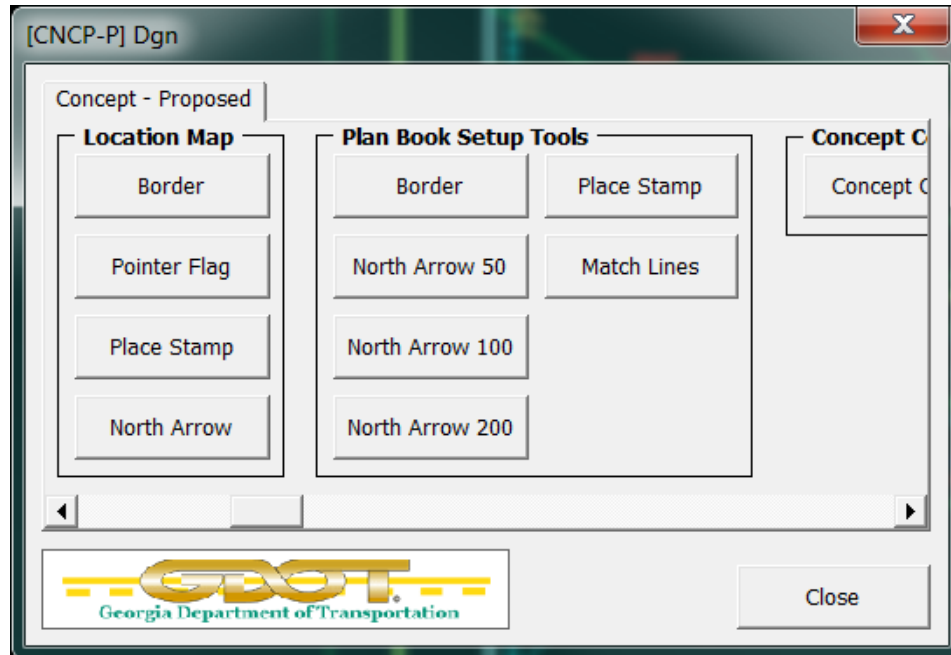
- **Centerline** – Place proposed centerlines.
- **Edge of Pvmnt** – Place proposed Edge of Pavement lines.
- **R/W Line** – Place proposed Required Right of Way lines.
- **R/W Dimensions** – Place proposed Required Right of Way text.
- **Median** – Place proposed median lines.
- **Filled Lane** – Place lane shapes to be displayed as filled shapes.
- **Displacement** – Place proposed Displacement lines.
- **Barricade** – Place proposed barricade lines.
- **Bridge** – Place proposed bridge lines.
- **Place Shape** – Place proposed vertical reconstruction shapes.
- **Cross-Hatch** – Place proposed vertical reconstruction shape cross-hatching lines.

## 4-19 [CNCP-P] Proposed Concept (continued)



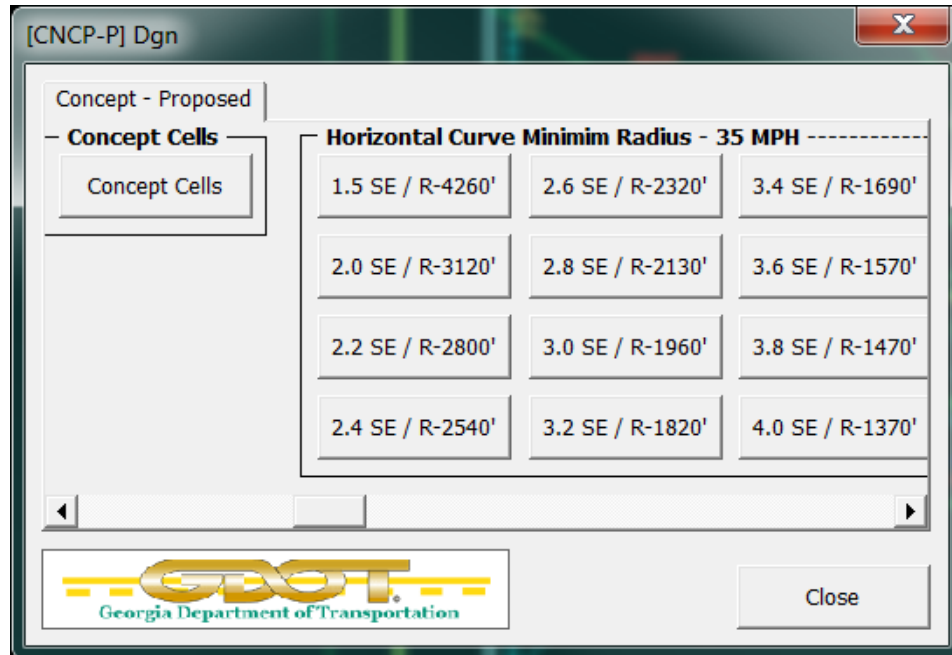
- **100 Scale Border** through **300 Scale Border** – Place plotting border at the scale indicated by each of the three button options.
- **100 Scale Legend** through **300 Scale Legend** – Place concept legend cell at the scale indicated by each of the three button options.
- **100 Sca Match Ln** through **300 Sca Match Ln** – Place plotting match lines at the scale indicated by each of the button options. (*Note "300 Scale" is temporarily unavailable.*)
- **Place Stamp** – Place concept stamp cell.
- **North Arrow** – Place concept North Arrow cell.

## 4-19 [CNCP-P] Proposed Concept (continued)

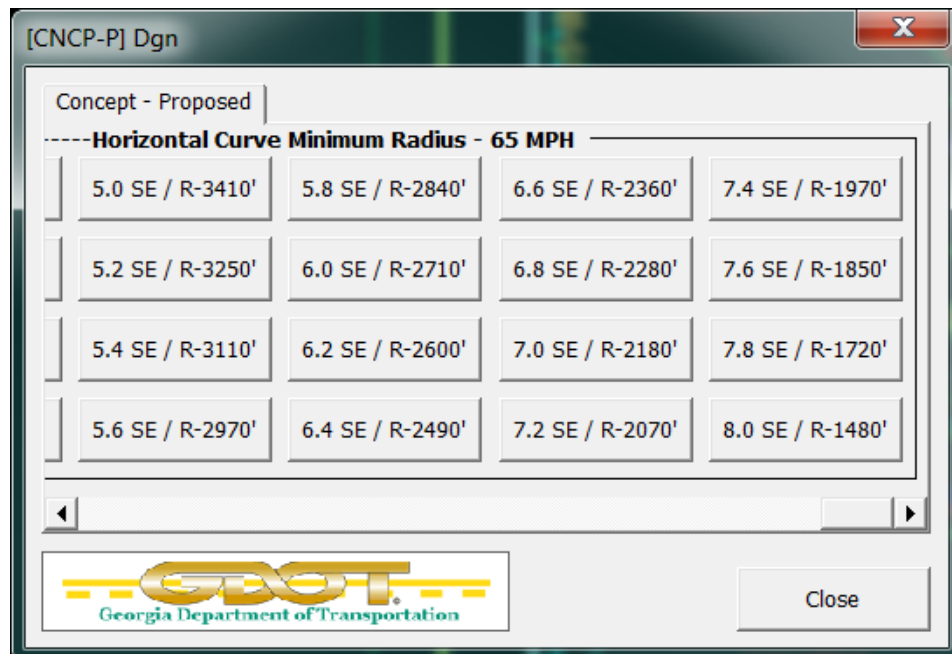


- **Border** – Place Location Map border cell.
- **Pointer Flag** – Place Pointer Flag cell.
- **Place Stamp** – Place Concept Stamp cell.
- **North Arrow** – Place Location Map North Arrow cell.
- **Border** – Place Plan Book border cell.
- **North Arrow 50** through **North Arrow 200** – Place North Arrow cell at the scale indicated by each of the three button options.
- **Place Stamp** – Place Concept Stamp cell.
- **Match Lines** – Place Match Lines.

## 4-19 [CNCP-P] Proposed Concept (continued)



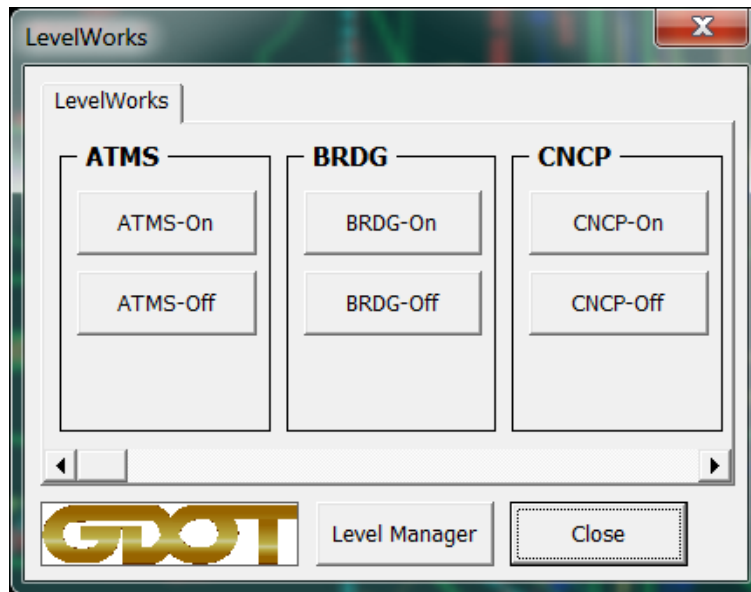
- **Concept Cells** – Place concept cells.
- **1.5 SE** through **8.0 SE** (35 MPH, 45 MPH, 55 MPH and 65 MPH) – Construct centerline fillets at minimum radius based on *Speed Design* and *Superelevation Rate*. Used to layout concept centerlines.



## **5-1 Tools - Expanded**

**The following sections provide an expanded description of the functions of the GDOT Root Menu Tools section that is included in the GDOT Workspace for MicroStation V8i.**

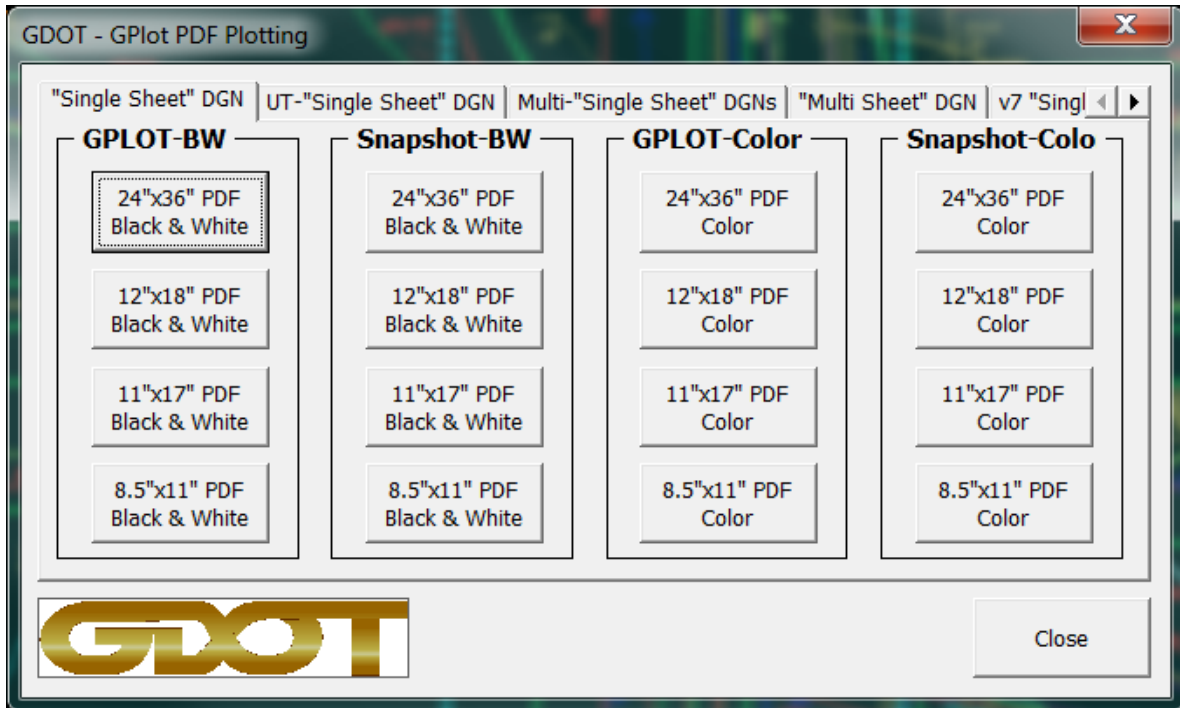
## 5-2 LevelWorks



- **ATMS-On / ATMS-Off** through **XSEC-On / XSEC-Off** – Turn on/off the current DGN file level display for levels named ATMS\*. The menu is divided into 36 sections based on the Level Library root level names: *ATMS, BRDG, CNCN, ONLY, DRNG, ECON, ENVE, ENVP, FCON, HLT, Level, LGHT, LIMIT, LNSC, MAIN, MNTC, PROF\_E, PROF\_P, PROP, QTYS, QUAD, RAST, REQD, RWTB, SGNL, SHT, SIGN, STE, TOPO, TRDG, TYPS, UTLE, UTLP, WALL, WPRO and XSEC.*
- **Level Manager** – Opens the MicroStation Level Manager utility.
- **Close** – Closes the “LevelWorks” menu and returns the user to the “Root Menu”.



## 5-3 GPlot PDF Plotting



*"GDOT – GPlot PDF Plotting"*

- Documentation for the *"GDOT – GPlot PDF Plotting"* application is available from the *"Help"* tab on the GDOT Root Menu.

## **6-1 Miscellaneous Items**

**The following sections contains additional information to aid in the use of the GDOT Root Menu that is included in the GDOT Workspace for MicroStation V8i.**

## 6-2 Other Sources of Information

The GDOT Electronic Data Guidelines (EDG) and the GDOT Plan Presentation Guide (PPG) as well as other documents and downloads are available from the GDOT Repository for Online Access to Documentation and Standards (R.O.A.D.S.) website.

<http://www.dot.ga.gov/doingbusiness/PoliciesManuals/roads/Pages/default.aspx>

The screenshot shows the GDOT website interface. At the top, there is a search bar labeled "GDOT Search" and a navigation menu with links for Home, About GDOT, Employment, and Contact Us. Below this is a banner for "SURPLUS PROPERTY DISPOSAL" with a "LEARN MORE" button. The main content area is titled "R.O.A.D.S. Repository for Online Access to Documentation and Standards" and includes a description of the service. To the left is a navigation tree with categories like "Doing Business", "Policies & Manuals", and "ROADS". To the right is a "Quick Links" section with buttons for various resources. Below the main heading is a "Policy Announcements" section with a table of updates.

Announcements	Revised
Discontinuing Use of Silt Fence Fabric Check Dam	4/8/2014
Roadway Lighting Protocol	1/17/2014
NPDES General Permit GAR100002 - Notice to PMs and DPLs	10/22/2013

1 2 3 4 5 6 7 8 | Displaying Page 1, items 1 to 3

Navigation tabs: Bridge Design, Plan Development Process, Design Policies, Plan Presentation Committee, Construction Standards & Details, Software Specific Files, Design Related Resources

Link: Bridge Design Manual

## 6-3 Questions or Comments

For questions or comments about this document or any other MicroStation related issue, please contact the GDOT Solutions Center help desk.

GDOT Solutions Center

Phone: (404)631-1220

Email: [SolutionsCenter@dot.ga.gov](mailto:SolutionsCenter@dot.ga.gov)

(When submitting issues to the Solutions Center please specify a subject line of “*MicroStation*” so the issue will be assigned to the correct personnel.)