

GEOPAK Drainage Training Class

< TOPICS COVERED >

<p>1. Project Setup</p> <ul style="list-style-type: none"> - The main project commands - Setting project preferences - The drainage library - Import & export data - Import & export graphics - A full list of every file type <p>2. Drainage area design</p> <ul style="list-style-type: none"> - SCS method area design - Rational method area design - Subareas and 'C' values - Soil classification 'CN' values - Modifying drainage areas - Deleting drainage areas - Renaming drainage areas - Updating drainage areas <p>3. Node design</p> <ul style="list-style-type: none"> - Curb inlet design - Grate inlet design - Slotted drain design - Curb & grate combo design - Junction design - Outlet design - Other type node design - Bottom node design - Relocating nodes - Deleting nodes - Renumbering nodes - Renaming nodes - Updating nodes - Node cells and points <p>4. Link design</p> <ul style="list-style-type: none"> - Pipe design - Open channel design - Natural stream analysis - Modifying links - Deleting links - Renaming links 	<p>5. Network Tools</p> <ul style="list-style-type: none"> - Adding networks - Modifying networks - Deleting networks - Activating networks - Renaming networks - Import & export networks - Network design - Network analysis <p>6. Profiles</p> <ul style="list-style-type: none"> - Adding profiles - Editing profiles - Deleting profiles - Annotating profiles - Auto creating profiles - Registering profiles - Displaying profiles - Profile grids & labels design - Working with reference files <p>7. Reports</p> <ul style="list-style-type: none"> - Preset reports tool - Report builder tool - Report generator tool - Working with spreadsheets - Customization - Working with VBA tools - Linking reports - Updating reports <p>8. DTM Drainage Tools</p> <ul style="list-style-type: none"> - All & single watershed maps - Drainage pattern maps - Upstream & downstream - Flow arrow maps - Low & high point delineation - Ridge & sump line tools - Surface pond tool - Pond analysis tool 	<p>9. Miscellaneous Tools</p> <ul style="list-style-type: none"> - 3D visualization - Annotating w/ D&C manager - Conflict finding & mitigation - Culvert design and analysis - Drawing structure X-sections - Export survey to drainage - Exporting to HEC-RAS - Labeling the plan view - Labeling the profile view - Miscellaneous utilities - Navigating the design - Global editing the design - Querying the design - Computing quantities - Routing calculations - Trenching computations - Outlet design tips & tricks - Profiles tips & tricks <p>9. Whitepapers</p> <ul style="list-style-type: none"> - Existing amenities - Increasing productivity - Inlet spacing - Outlet design - Profile design - Pipe envelope - Using revised TIN files - Time of Concentration <p>10. Appendix</p> <ul style="list-style-type: none"> - A list of every error message - Solutions for every error message - Glossary sections - Troubleshooting tips & tricks - Video tutorials - VBA customization
--	--	---

About the Instructor:

Dan Calistrat is a licensed professional engineer in 6 states and has been actively practicing for the past 18 years. After engineering for the land development community, Dan joined GEOPAK where he was instrumental in the development, certification, and training of Bentley civil products. After nearly a decade at GEOPAK, Dan left to implement Bentley software on some of the largest construction projects in the United States.

Dan founded DTM Solutions where he consults with all size firms to make their transition and integration to civil engineering software as seamless as possible. His vision for the firm is based on providing billable solutions to clients in need of civil engineering software training.

Dan holds a B.S. degree in Civil Engineering from Texas A&M University and is an active member of the American Society of Civil Engineers.