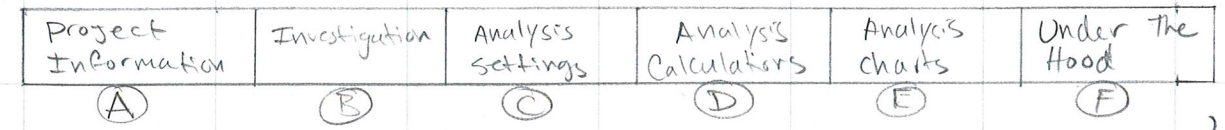
Program (Main Tabs)

Liquifaction Analysis - Boring Based



Grayed out if no Investigations & Analysis settings

Inputs A) Contains project information, such as;
variables; Project #, name, Lat/Long, user, date

Input B) Contains all investigation information. New ~~tt~~ child tab for each boring
*variables; Date, driller, project name/#, rig type, drop dist., hole dia, drive wt., elevation hole Lat/Long, and all relevant boring data, Logged by, GWT
* Copy typical standard info for each new boring
** Import boring data from boring logger plus?

Input C) Analysis specific settings
variables; Seismic event (PGA, Moment Magnitude), Soil unit weight, (Constant) Water unit weight
Depth to GWT (investigation? historic high)

Output D) Analysis calculations:
No variables; displays calculations for each layer from boring Includes Total stress, Effective stress*, Sampling correction factors, Cyclic ratios, Strain, FS, settlement

* Effective stress ignored in BTZ sheet? Yes, more conservative this way.

Output E) Displays settlement, volumetric strain, & other pertanent graphs
Contour plot if lat long of each boring provided
TIN triangulation

Output F) Displays "hand calculations" of every calculation preseted by the program for verification & debugging purposes

Project Name: _____ Drawn By: _____ Checked By: _____
Project Number: _____ Date: _____ Scale: _____ Page: __ of __

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