

GEOPAK Drainage for FDOT Projects & Plans Production



Presented by: James Worley

james.worley@dot.state.fl.us

CADD Application Support Specialist

Engineering \ CADD Systems Office

Florida Department of Transportation

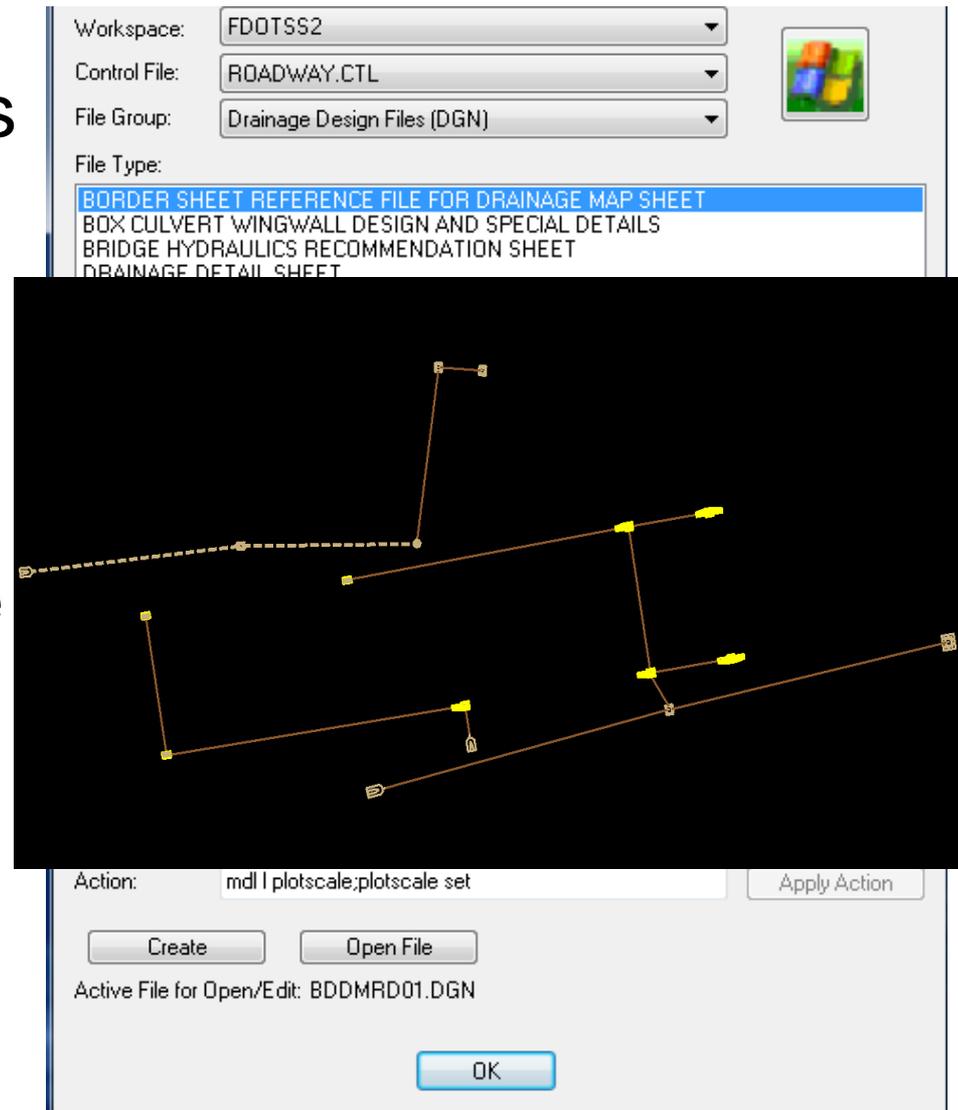
In the Beginning

Things you need to start using GEOPAK Drainage on an FDOT Project

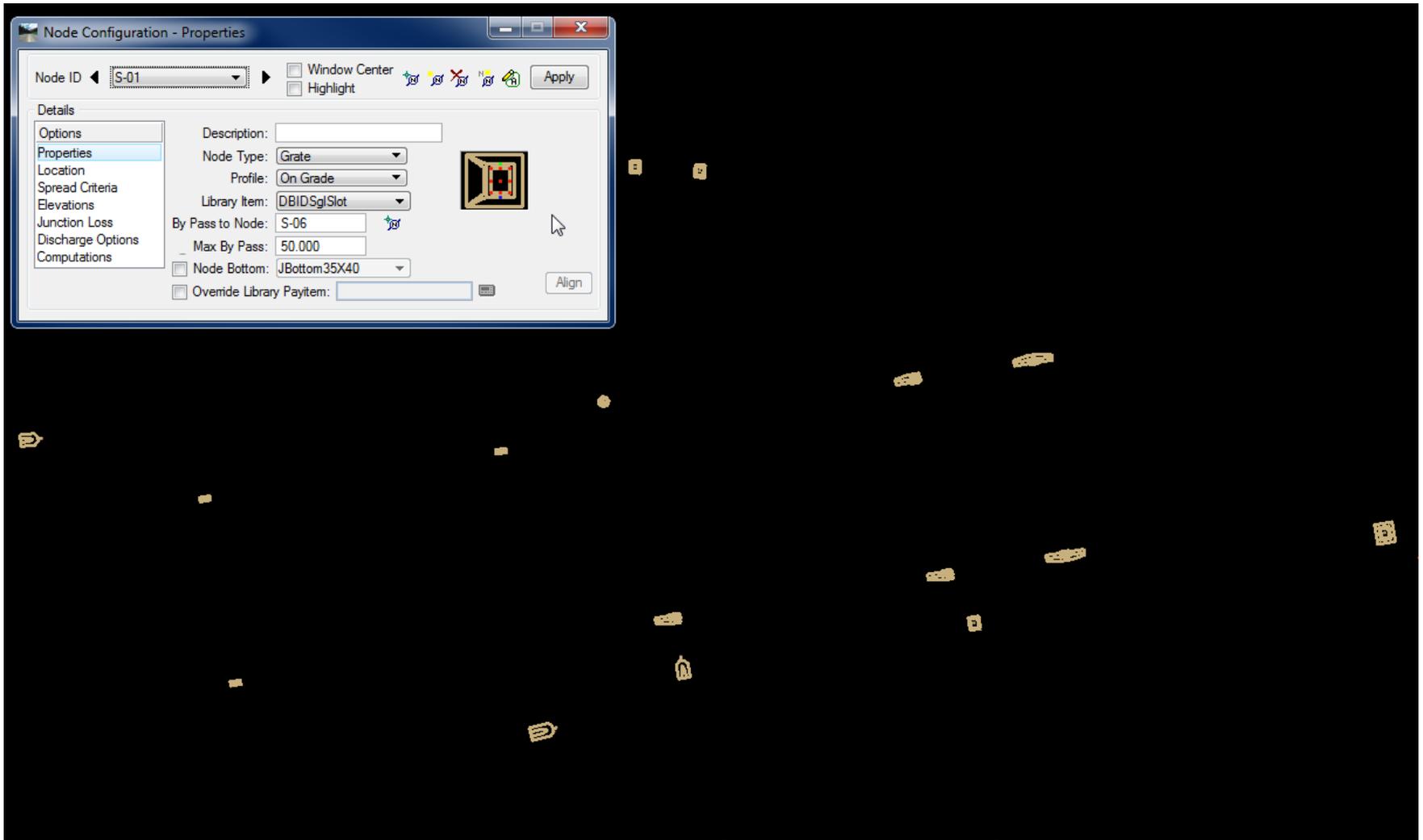
- ◆ Make sure you have MicroStation & GEOPAK Suite or PowerGEOPAK as well as GEOPAK Drainage and the current FDOT software suite installed and working.
- ◆ There also needs to be an FDOT roadway project with current plan, gpk, tin, dlb, ddb, cel and super elevation shape files.
- ◆ All pertinent information for the design of the drainage system from the drainage engineer. Including structure type, station, offset, elevation and the size of pipes connecting them.

Getting Started

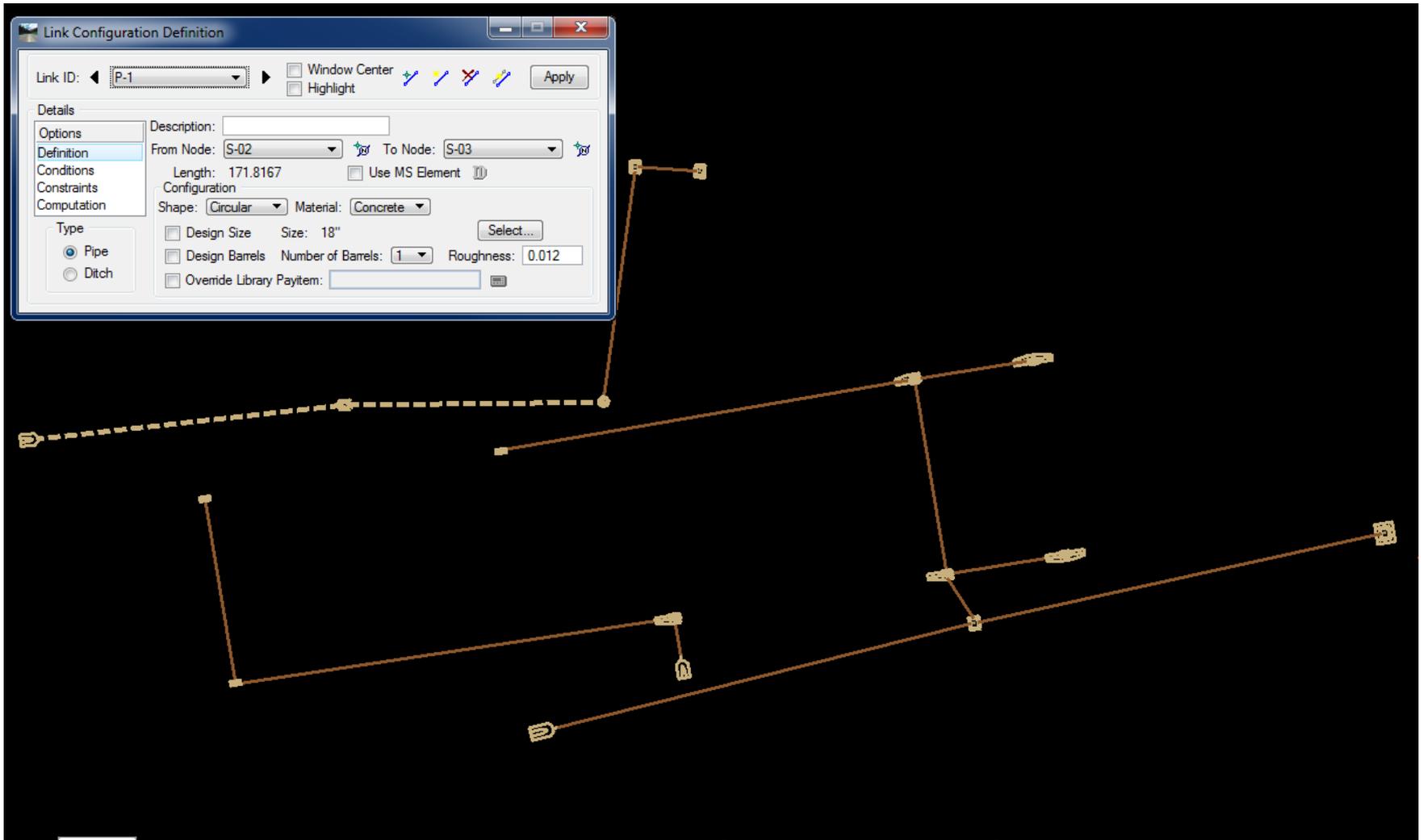
- ◆ Create the design files for the new GEOPAK Drainage Project.
- ◆ Create the new GEOPAK Drainage project file and set the Project preferences.
- ◆ Begin Laying out the new drainage project in plan view.



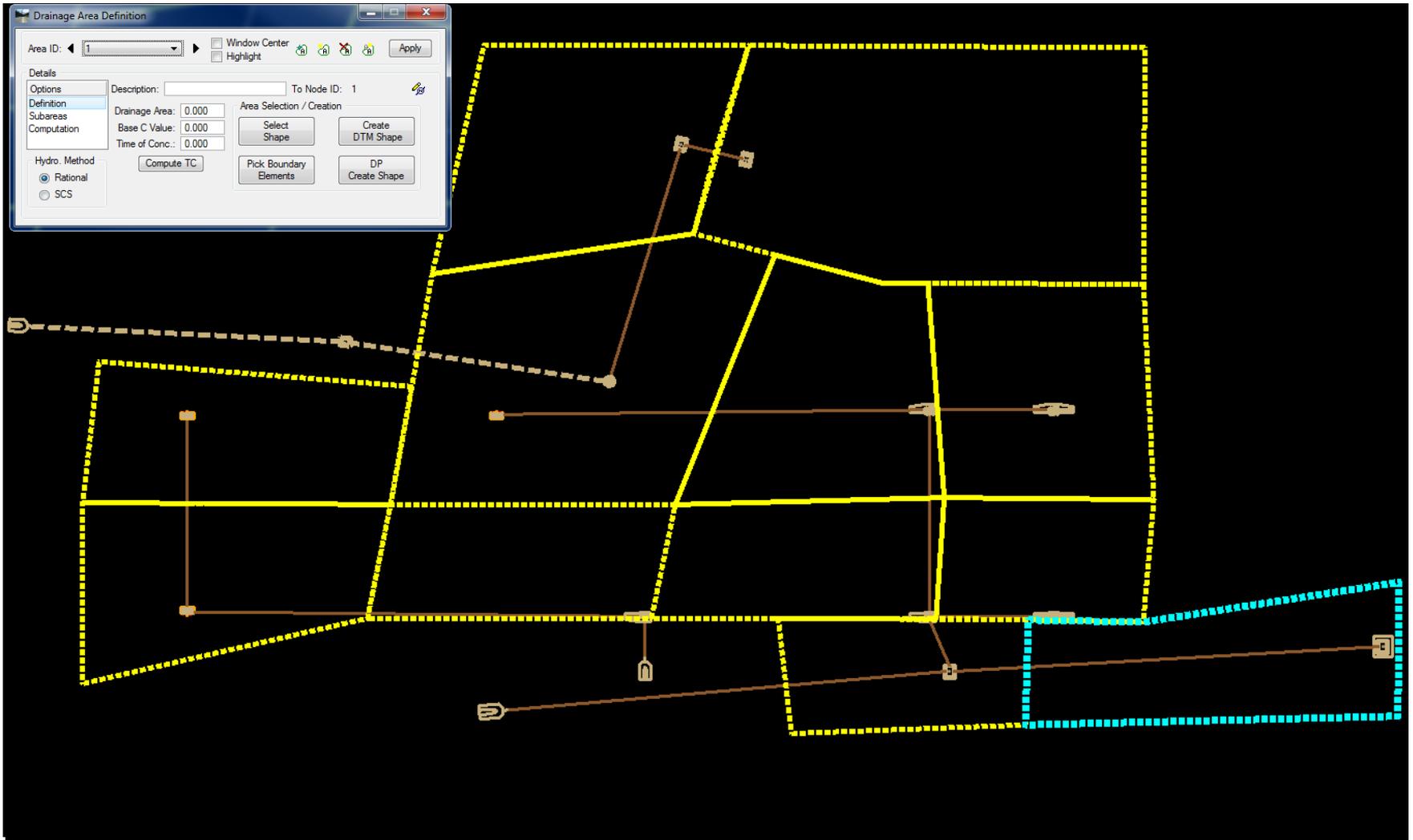
Place Structures in plan view



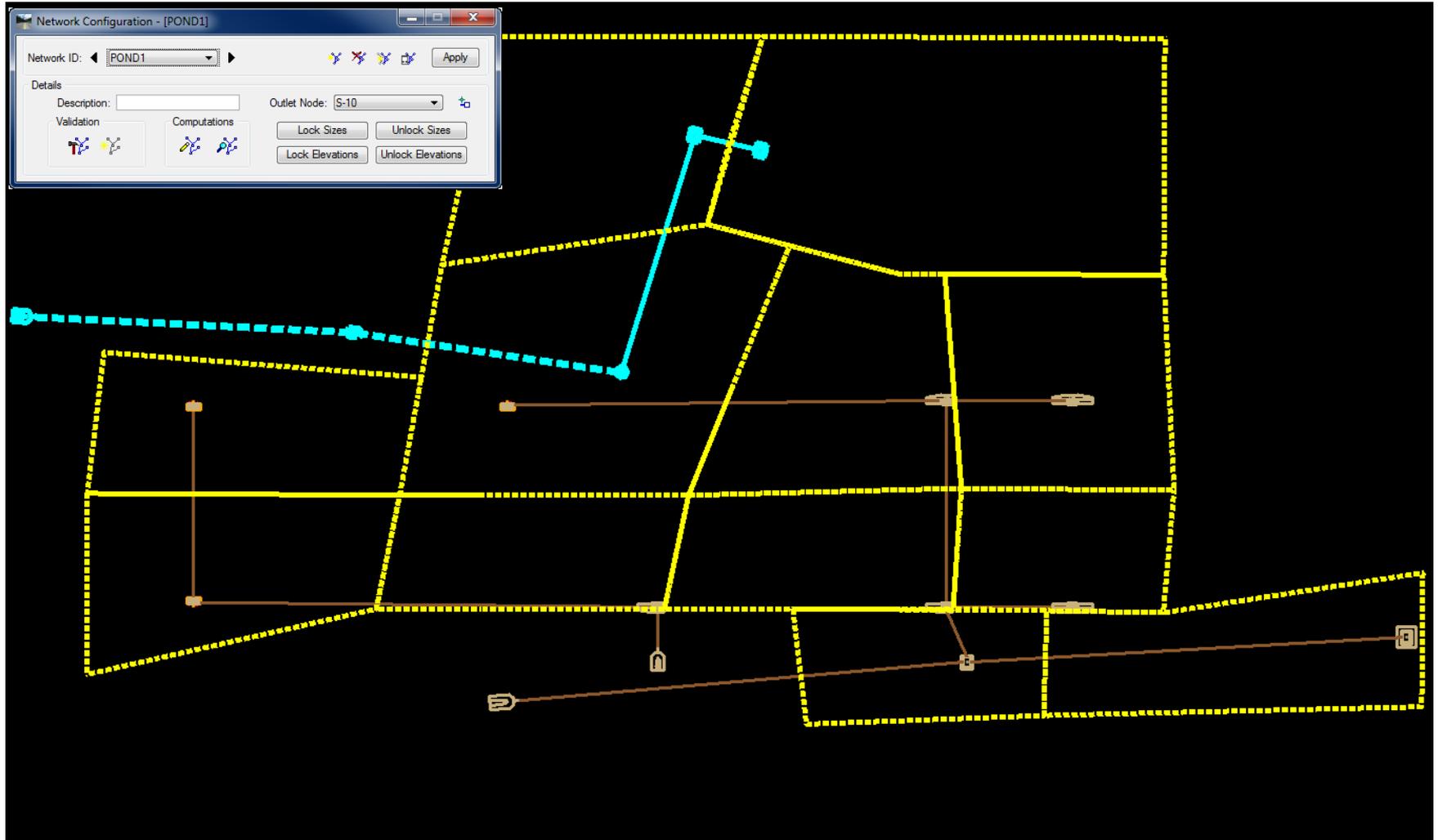
Connect the Structures with Pipes



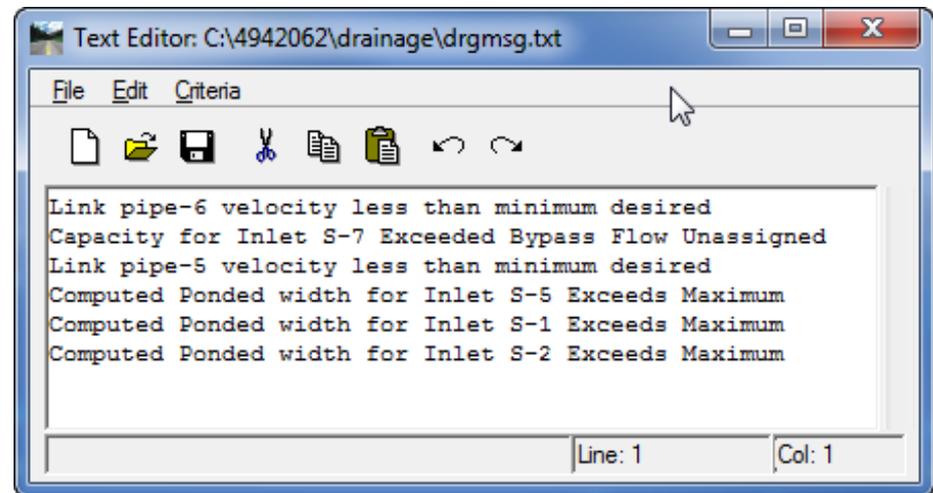
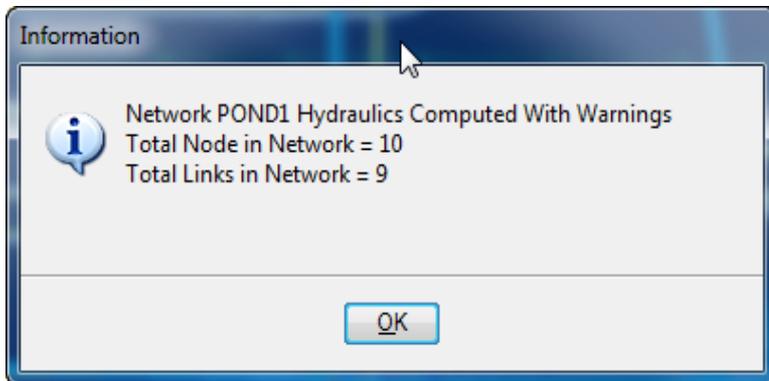
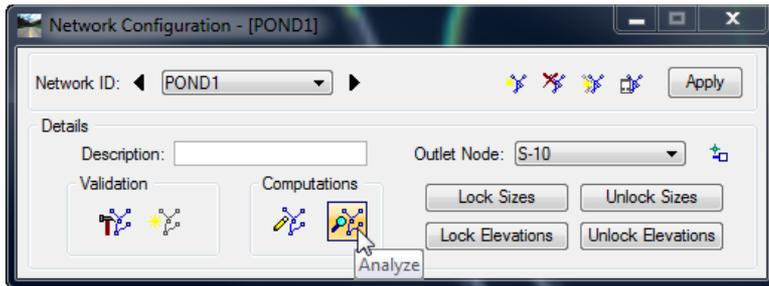
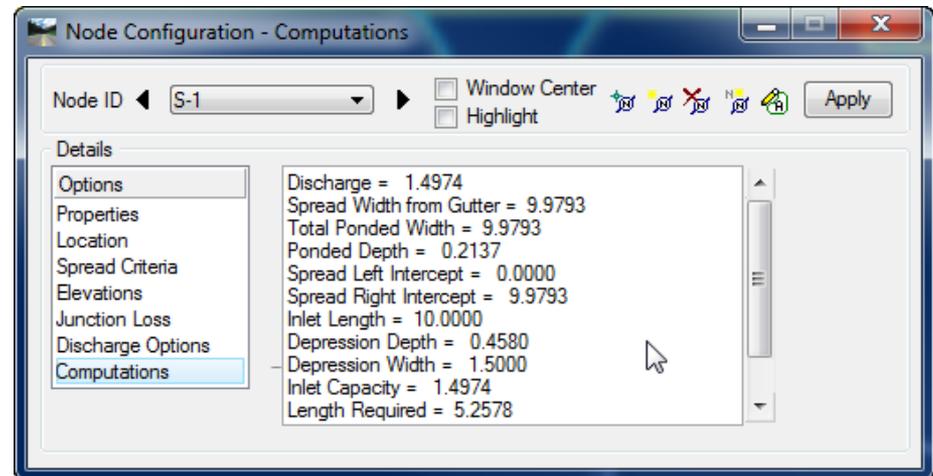
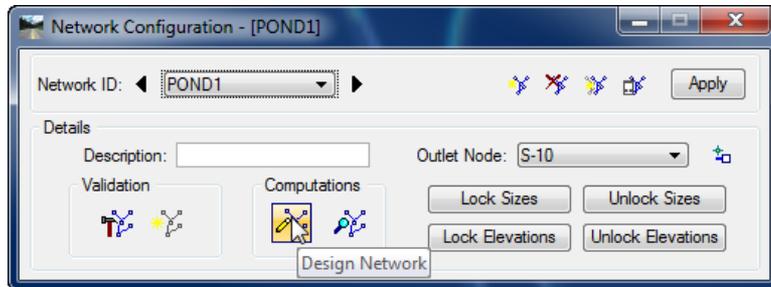
Layout and associate the Drainage Areas



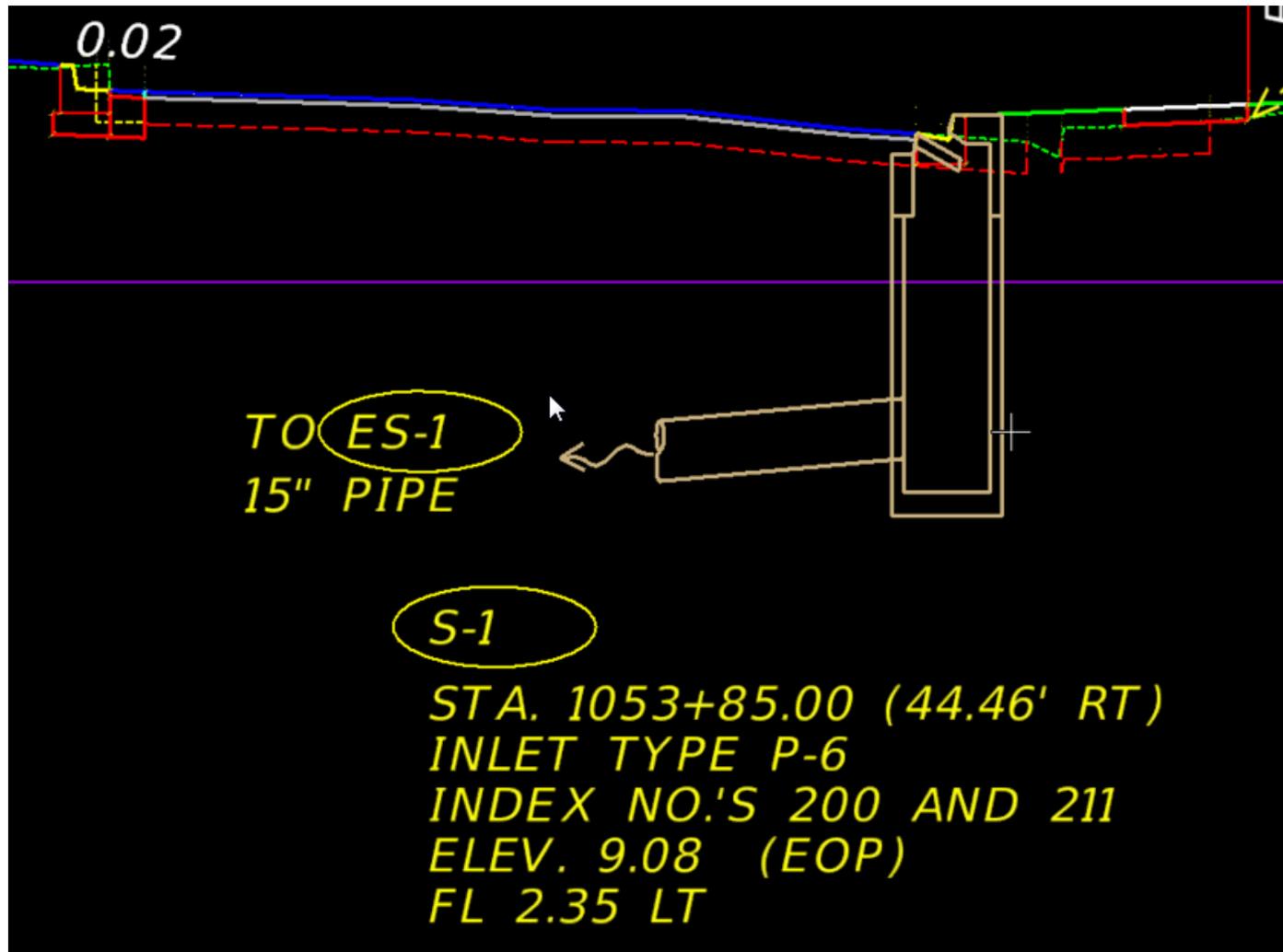
Tie it all together with Networks



Calculations



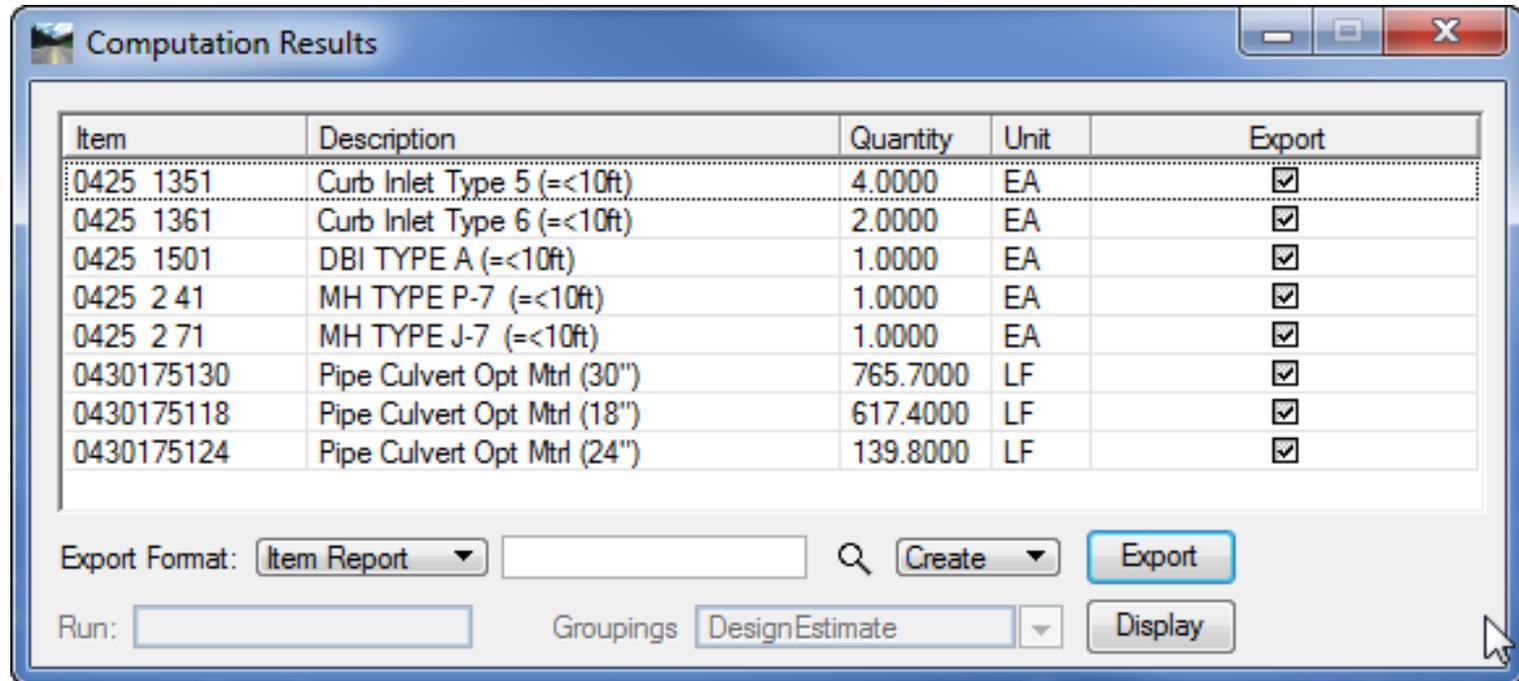
Automated Cross Section drawings



Automated drainage Reports

STR. NO	STATION	SIDE	DESCRIPTION	BARRELS	STORM DRAIN OPTIONAL MATERIAL				CURB INLET	MANHOLES	DITCH INLET	CROSSING INLET	SODDING	REMARKS
					ROUND									
					18"	24"	30"	36"						
57	20+15.00	ST	18" PIP	1	11.00									
58	20+45.00	ST	18" PIP	1	11.00									
59	20+75.00	ST	18" PIP	1	11.00									
60	20+105.00	ST	18" PIP	1	11.00									
61	20+135.00	ST	18" PIP	1	11.00									
62	20+165.00	ST	18" PIP	1	11.00									
63	20+195.00	ST	18" PIP	1	11.00									
64	20+225.00	ST	18" PIP	1	11.00									
65	20+255.00	ST	18" PIP	1	11.00									
66	20+285.00	ST	18" PIP	1	11.00									
67	20+315.00	ST	18" PIP	1	11.00									
68	20+345.00	ST	18" PIP	1	11.00									
69	20+375.00	ST	18" PIP	1	11.00									
70	20+405.00	ST	18" PIP	1	11.00									
71	20+435.00	ST	18" PIP	1	11.00									
72	20+465.00	ST	18" PIP	1	11.00									
73	20+495.00	ST	18" PIP	1	11.00									
74	20+525.00	ST	18" PIP	1	11.00									
75	20+555.00	ST	18" PIP	1	11.00									
76	20+585.00	ST	18" PIP	1	11.00									
77	20+615.00	ST	18" PIP	1	11.00									
78	20+645.00	ST	18" PIP	1	11.00									
79	20+675.00	ST	18" PIP	1	11.00									
80	20+705.00	ST	18" PIP	1	11.00									
81	20+735.00	ST	18" PIP	1	11.00									
82	20+765.00	ST	18" PIP	1	11.00									
83	20+795.00	ST	18" PIP	1	11.00									
84	20+825.00	ST	18" PIP	1	11.00									
85	20+855.00	ST	18" PIP	1	11.00									
86	20+885.00	ST	18" PIP	1	11.00									
87	20+915.00	ST	18" PIP	1	11.00									
88	20+945.00	ST	18" PIP	1	11.00									
89	20+975.00	ST	18" PIP	1	11.00									
90	20+1005.00	ST	18" PIP	1	11.00									
91	20+1035.00	ST	18" PIP	1	11.00									
92	20+1065.00	ST	18" PIP	1	11.00									
93	20+1095.00	ST	18" PIP	1	11.00									
94	20+1125.00	ST	18" PIP	1	11.00									
95	20+1155.00	ST	18" PIP	1	11.00									
96	20+1185.00	ST	18" PIP	1	11.00									
97	20+1215.00	ST	18" PIP	1	11.00									
98	20+1245.00	ST	18" PIP	1	11.00									
99	20+1275.00	ST	18" PIP	1	11.00									
100	20+1305.00	ST	18" PIP	1	11.00									
Street Summary				P Total	617.17	257.88	765.57	4	2	2	1	1	28	
				F Total	0	0	0	0	0	0	0	0	0	
Final Summary				P Total	617.17	257.88	765.57	4	2	2	1	1	28	
				F Total	0	0	0	0	0	0	0	0	0	

Automated Quantity Reports



Computation Results

Item	Description	Quantity	Unit	Export
0425 1351	Curb Inlet Type 5 (=<10ft)	4.0000	EA	<input checked="" type="checkbox"/>
0425 1361	Curb Inlet Type 6 (=<10ft)	2.0000	EA	<input checked="" type="checkbox"/>
0425 1501	DBI TYPE A (=<10ft)	1.0000	EA	<input checked="" type="checkbox"/>
0425 2 41	MH TYPE P-7 (=<10ft)	1.0000	EA	<input checked="" type="checkbox"/>
0425 2 71	MH TYPE J-7 (=<10ft)	1.0000	EA	<input checked="" type="checkbox"/>
0430175130	Pipe Culvert Opt Mtrl (30")	765.7000	LF	<input checked="" type="checkbox"/>
0430175118	Pipe Culvert Opt Mtrl (18")	617.4000	LF	<input checked="" type="checkbox"/>
0430175124	Pipe Culvert Opt Mtrl (24")	139.8000	LF	<input checked="" type="checkbox"/>

Export Format:

Run: Groupings

***Thank you
for
attending***

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