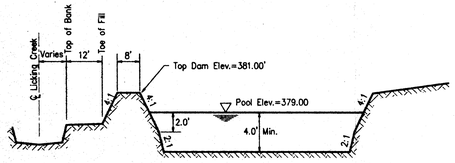
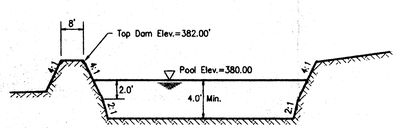
KEYSTONE SUBDIVISION

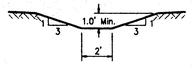
Morley and Associates, INC.
Consulting Engineers/Surveyors/Architects
608 S.E. Martin Luther King Jr. Blvd.
Evansville, Indiana 47713
(812) 464-0663



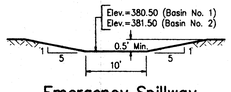
Basin No. 1
Typical Cross Section
No Scale



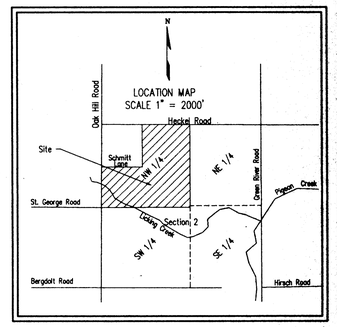
Basin No. 2
Typical Cross Section
No Scale



Typical Swale Cross Section
No Scale



Emergency Spillway
Cross Sections
No Scale



Sub-Area	Acres	CN	TC(T)	Qp(cfs)
A	1.33	83.00	4.49	3.89
B	0.36	0.579	5.547	0.94
C	0.16	0.579	5.547	0.49
D	0.89	0.529	4.855	0.96
E	1.13	0.566	4.766	1.29
F	0.31	0.667	4.766	0.99
G	0.92	0.491	4.688	2.21
H	1.16	0.511	4.688	2.54
I	0.83	0.556	4.688	2.04
J	1.38	0.447	5.055	2.64
K	0.32	0.578	4.903	0.84
L	0.75	0.398	4.903	1.61
M	3.19	0.596	5.695	7.61
N	0.73	0.519	4.809	1.84
O	1.88	0.472	5.488	4.08
P	3.27	0.505	5.488	7.08
Q	0.26	0.654	4.766	0.78
R	1.75	0.521	4.766	5.26
S	1.68	0.498	4.766	4.96
T	0.39	0.488	4.766	1.14
U	0.75	0.488	4.766	2.19
V	0.54	0.606	4.766	1.96
W	1.13	0.55	4.766	3.68
X	0.35	0.551	4.766	1.14
Y	1.02	0.478	4.766	2.87
Z	1.56	0.561	4.766	5.08
AA	1.56	0.561	4.766	5.08
AB	0.64	0.605	4.766	2.25
AC	1.43	0.587	4.766	4.87
AD	0.07	0.447	4.766	0.19
AE	1.34	0.587	4.766	4.57
AF	0.64	0.587	4.766	2.18
AG	1.88	0.587	4.766	6.41
AH	0.98	0.587	4.766	3.34
AI	2.14	0.587	4.766	7.30
AJ	1.76	0.525	4.766	5.03
AK	1.08	0.587	4.766	3.68
AL	1.34	0.619	4.766	4.87
AM	1.34	0.619	4.766	4.87
AN	0.89	0.599	4.766	3.13
AO	1.33	0.605	4.766	4.87
AP	0.64	0.545	4.766	2.18
AQ	1.15	0.498	4.766	3.92
AR	0.96	0.599	4.766	3.27
AS	1.91	0.583	4.766	6.51
AT	1.64	0.587	4.766	5.59
AU	0.49	0.668	4.766	1.92
AV	0.68	0.606	4.766	2.66
AW	0.89	0.606	4.766	3.49
AX	0.53	0.606	4.766	2.08
AY	1.17	0.425	4.766	3.05
AZ	0.27	0.654	4.766	0.93
BA	1.46	0.533	4.836	3.76
BB	0.92	0.547	4.679	2.55
BC	1.73	0.642	4.986	5.38
BD	1.73	0.606	4.986	4.96
BE	0.94	0.646	5.079	2.78
BF	0.79	0.59	5.174	2.27
BG	0.26	0.633	4.569	0.89
BH	1.47	0.505	4.662	4.08
BI	0.85	0.596	4.569	2.76
BJ	0.47	0.498	4.662	1.31
BK	0.91	0.664	5.451	3.55
BL	0.36	0.558	5.080	1.28
BM	0.83	0.589	4.757	2.65
BN	0.88	0.555	5.081	2.81
BO	1.21	0.651	5.081	3.87
BP	1.01	0.651	5.027	3.23
BQ	0.67	0.498	4.806	1.79
BR	0.56	0.596	4.806	1.79
BS	0.13	0.498	4.806	0.35
BT	1.31	0.585	5.081	4.18
BU	1.06	0.585	5.081	3.38
BV	0.56	0.553	5.081	1.77
BW	1.47	0.585	5.081	4.69
BX	1.31	0.585	5.081	4.18
BY	0.45	0.596	5.081	1.44
BZ	1.59	0.596	5.081	5.08
CA	0.56	0.565	5.081	1.79
CB	0.56	0.565	5.081	1.79
CC	1.38	0.565	5.081	4.41
CD	0.64	0.559	5.081	2.04
CE	0.64	0.596	5.081	2.04
CF	0.55	0.596	4.569	1.76
CG	0.42	0.585	4.662	1.34
CH	0.22	0.705	5.081	0.70
CI	0.72	0.705	5.081	2.30
CJ	0.22	0.705	5.081	0.70
CK	0.64	0.705	5.081	2.04
CL	0.27	0.654	5.081	0.86
Lake	24.06	0.985	5.081	116.18
Common	13.71	0.139	5.081	12.18

Basin No. 2
Pool Elev.=380.00
25 Yr. Elev.=381.00
25 Yr. Storage Vol.=256,351 Cu. Ft.

Basin No. 1
Pool Elev.=379.00
25 Yr. Elev.=380.00
25 Yr. Storage Vol.=688,030 Cu. Ft.

All ideas, designs, calculations, and arrangements indicated or represented by these plans, drawings, and specifications are the property of Morley and Associates, Inc. and were created for the use on and in connection with the construction of the project shown. All such ideas, designs, calculations, or arrangements shall be used by or disclosed to any person, firm, or corporation for any purpose whatsoever without the written permission of Morley and Associates, Inc.

Written dimensions on these drawings shall have precedence over scaled dimensions. Contractors shall verify and be responsible for all dimensions. Do not scale drawings. Any discrepancies shall be reported to the Engineer immediately before proceeding with the work involved.

Revisions

No.	By	Date	Description

DANIEL JAMES HELBERT
No. 20484
STATE OF INDIANA
REGISTERED PROFESSIONAL ENGINEER

Project: Keystone Subdivision

Sheet Title: Drainage Plan

Scale: 1" = 100'

Designed By: D.J.H.	Job Number: 95-3098-3
Drawn By: D.W.N.	Date: 8/30/95
Checked By:	Filename: DRAIN.dwg

Sheet Number: 3

Keystone