



GENERAL NOTES:

- The project is divided into 13 separate watersheds.
- Watersheds 1, 7, 8, 9, 10, 11, 12 and 13 are all stored and released directly offsite. Watersheds 2, 3, 4, 5 and 6 are joined in series and released offsite from drainage area No. 2.
- All proposed lakes are as shown with outlet structures as noted.
- The Owner wishes to reserve the right to reposition or relocate lakes within any given watershed as long as overall storage capacity is not diminished. Revised drainage plans will be submitted for approval should any changes be made.

PROJECT DESIGN SUMMARY

Lake #	Allowable Outflow 10 Year (CFS)	100 Yr. Storage (acre/feet)	Allowable Outflow (design) (CFS)	100 Yr. Storage (design) (acre/feet)	Outlet Pipe Design	Max. Basin Storage (depth) (feet)
1	17.56	0.55	6	1.17	12" Primary	1.41 (2')
2/3	68.50	3.09	45	9.19	Twin 36" Pipes	2.21 (3')
4	80.00	2.74	30	8.76	36" Primary	1.88 (3')
5/6	63.91	2.53	12	8.97	24" Primary	5.89 (2')
7	50.68	1.65	15	3.77	Single Outlet 24" Primary	9.21 (3')
8/10	48.29	2.40	15	5.00	24" Primary / 30" Secondary	8.55 (3')
9	17.86	0.54	4	1.82	Box Type 12" Primary / 18" Secondary	3.65 (2')
11/12	13.33	0.20	4	0.75	12" Primary / 18" Secondary	0.97 (1')
13	14.83	0.31	4	0.84	12" Primary / 18" Secondary	1.00 (1')

8. As noted from panel No. 180255 0015 C August 5, 1991. Floodplain is noted by two shaded figures shown herein.

There are no 100-year floodplain elevation reported for these figures, for they are of the very upstream reaches of the watershed basin which originates within the site. The largest watershed being less than a square mile.

Because the site lies at the crest of the hill, floodway should also be of no concern.

There are no upstream adjoining properties which drain through these shaded floodplain areas to create any concerns for flooding of upstream land owners.

The area within the site that are shaded predominately lie in golf course areas where lakes will be constructed which will decrease the runoff which should diminish further any concerns regarding flood plain or floodway.

As a precautionary measure, all lots fronting on the lake should be constructed with flood-protection grades at least 2' above the proposed top of bank for the lake.

WATERSHED DELINEATION MAP/ OVERALL DRAINAGE PLAN

FOR
CAMBRIDGE
WOODBURGH COUNTY, VERMONT

Prepared By:
BERNARDINI & LOCHMUELLER ASSOC., INC.
Planners - Engineers - Surveyors

DATE: 11-09-98
PROJECT NO: 138-0011-CPD
ISSUED:

Discharge Allowable 10 Year = 49.2 CFS (Design Outflow) Limited to 15 CFS

10 yr = 49.2 CFS LIMITED TO 15 CFS

Discharge Allowable 10 Year = 4.785 CFS (Design Outflow) Limited to 4 CFS

10 yr = 17.85 CFS LIMITED TO 4 CFS

Discharge Allowable 10 Year = 17.6 CFS (Design Outflow) Limited to 6 CFS

10 yr = 17.6 CFS LIMITED TO 6 CFS

Discharge Allowable 10 Year = 152 CFS (Design Outflow) Limited to 45 CFS

10 yr = 152 CFS LIMITED TO 45 CFS

WHY SUCH A LONG RUN OF TWIN 36"?

1. WHY ARE DISCHARGE PIPES CARRIED SO NEAR PROP. LINE RATHER THAN DISCHARGED ONTO DISSIPATOR THEN CARRIED THROUGH GRASS CHANNEL?