

SOILS INVESTIGATION REPORT

Signed _____

Date _____

CONSTRUCTION CHECK

Date _____ PARTY _____

Rod Reading on _____

Bench Mark _____

Bottom Depth Below BM _____

Bottom Grade Rod (check) _____ Spillway Rod Reading _____

REPRESENTATIVE	
LONGITUDINAL	
CROSS SECTION	
REPRESENTATIVE	
LATERAL	
CROSS SECTION	

Show location of cross sections on sketch.

Was spoil disposed in accordance with specifications? _____

This Practice meets specifications _____

Signed _____

Date _____

Formula: Rectangular ponds - $V(\text{cu.yds.}) = D(A_t + 4A_m + A_b)$

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D = Depth in ft.

A_t = Area top in sq.ft.

A_b = Area of bottom in sq.ft. A_m = Area at $\frac{D}{2}$: in sq.ft.

Conical ponds - use above, or $V = 0.038785 D(R^2 + r^2 + Rr)$

D = Depth in ft. R= Radius of top in ft. r = Radius of bottom in ft.