



Underground utilities have been plotted from available information and, therefore, their locations shall be considered approximate only. The verification of the location of all underground utilities, either shown or not shown, on these plans shall be the responsibility of the Contractor, and shall be located prior to any grading or construction of the improvements.

**THIS SHEET FOR DRAINAGE AREA PURPOSES ONLY,
 NOT TO BE USED FOR CONSTRUCTION.**

These engineering plans have been prepared at the request of the developer for construction with some rock data, but not sufficient enough to determine the exact location of all existing rock conditions.

If existing rock conditions are encountered during construction it shall be the responsibility of the developer and/or his contractor to contact Box Engineering Co., Inc. and the soils engineer for the project at the time of encounter to determine the best design to continue construction.

TYPICAL LOT LAYOUT WITH SWALES
 6" MIN. SIDEWAYS - NOT TO SCALE

TYPICAL YARD SWALE

Length (ft)	Discharge (cfs)	Velocity (ft/sec)	Depth (ft)
0.5	0.000000	0.000000	0.000000
1.0	0.000000	0.000000	0.000000
2.0	0.000000	0.000000	0.000000
3.0	0.000000	0.000000	0.000000
4.0	0.000000	0.000000	0.000000
5.0	0.000000	0.000000	0.000000
6.0	0.000000	0.000000	0.000000
7.0	0.000000	0.000000	0.000000
8.0	0.000000	0.000000	0.000000
9.0	0.000000	0.000000	0.000000
10.0	0.000000	0.000000	0.000000

Maximum Discharge (Q) = 4.00 cfs
 Maximum Velocity (V) = 4.00 ft/sec
 n = 0.030 (Grass)
 Maximum side slope = 3 (horizontal) : 1 (vertical)