



CALUMET RANCH
 PLAT THREE
 BK.33 PG.275,276,277,278 & 279
 CITY OF O'FALLON
 ZONING R-1 PUD

CALUMET RANCH
 PLAT TWO
 BK.33 PG.138,139 & 140
 CITY OF O'FALLON
 ZONING R-1 PUD

PROPERTY N/F
 HARDESTY PROPERTIES, INC.
 THE VILLAGES FARM
 HUTCHINGS FARM
 CITY OF O'FALLON
 ZONING R-1 PUD

PROPERTY N/F
 JOE JR. & REBECCA
 DELOSSANTOS
 ST. CHARLES COUNTY
 ZONING R-1A
 1241/1974
 Ex. House

PROPERTY N/F
 LEGACY DEVELOPMENT GROUP LLC
 PROPOSED
 27
 25 ESTATES AT LEGACY POINTE
 26
 CITY OF O'FALLON
 ZONING R-1

Length (ft)	Discharge (cfs)	Velocity (ft/sec)	Depth (ft)
1.0	4.0	4.0	0.5000000
2.0	16.0	2.83	0.7071068
3.0	36.0	2.31	0.8660254
4.0	64.0	2.00	1.0000000
5.0	100.0	1.78	1.1044154
6.0	144.0	1.62	1.1961254
7.0	196.0	1.50	1.2770000
8.0	256.0	1.41	1.3494428
9.0	324.0	1.34	1.4150000
10.0	400.0	1.28	1.4750000

Minimum Discharge (Q) = 4.00 cfs
 Minimum Velocity (V) = 4.00 ft/sec
 N = 0.030 (grass)
 Minimum side slopes = 3 (horizontal) : 1 (vertical)

TYPICAL LOT LAYOUT WITH SWALES
 6' MIN. SIDEYARDS NOT TO SCALE
 NOTE: DURING FINAL GRADING, LOTS SHALL BE GRADED TO DRAIN ACCORDING TO THE TYPICAL LOT LAYOUT.

TYPICAL YARD SWALE

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.

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.