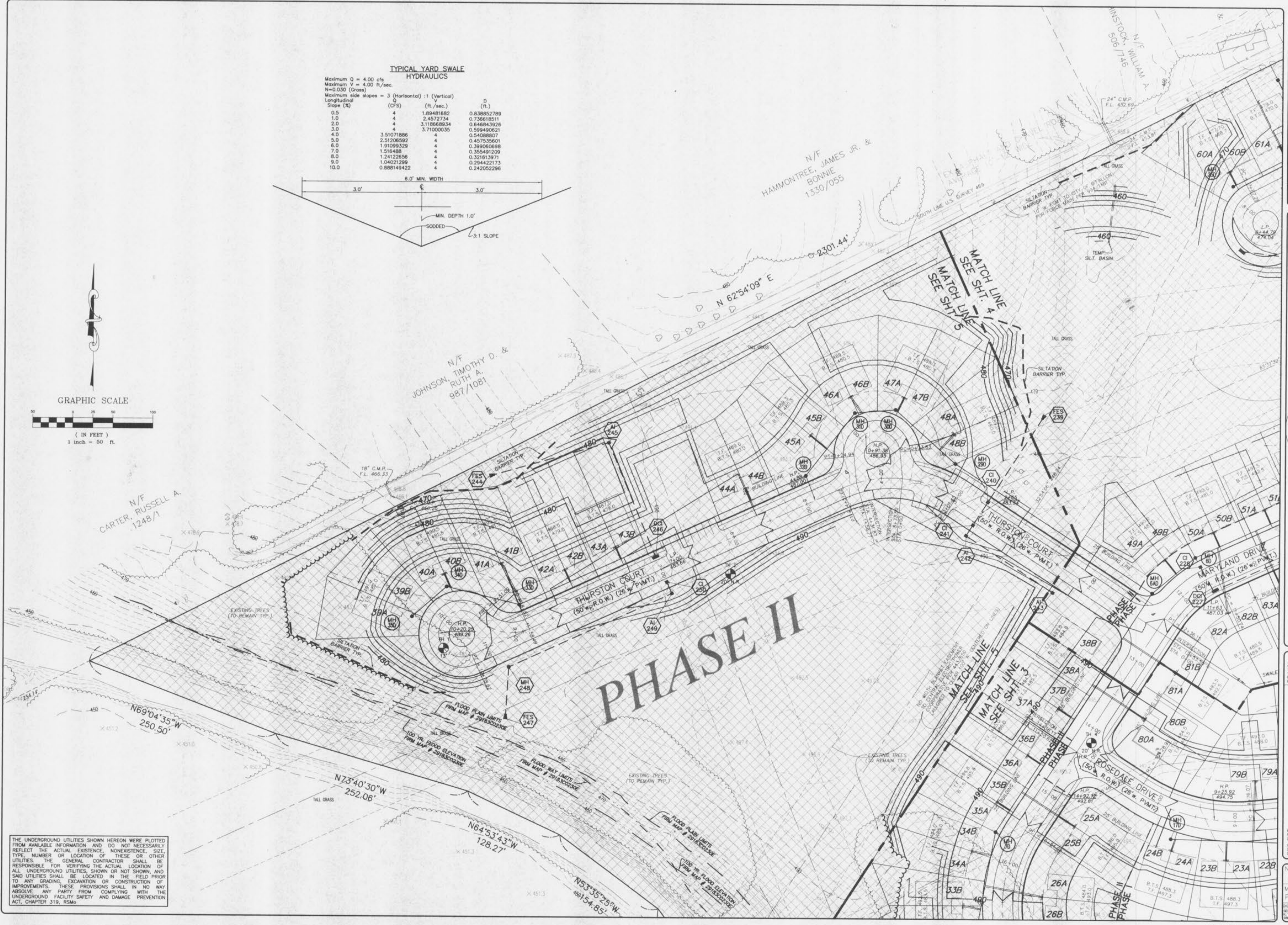
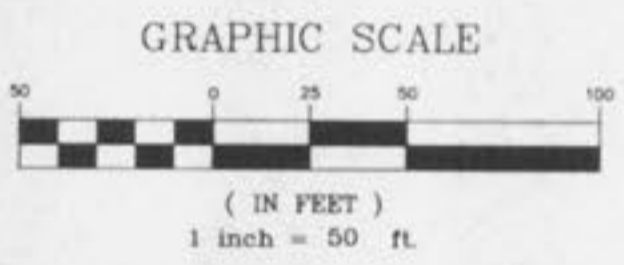
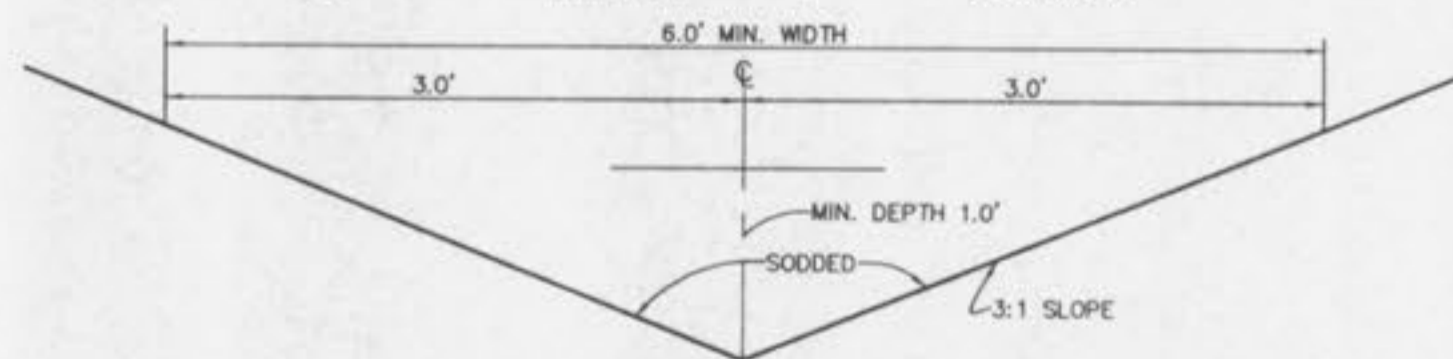


**TYPICAL YARD SWALE
HYDRAULICS**

Longitudinal Slope (%)	Q (CFS)	V (ft./sec.)	D (ft.)
0.5	4	1.89481682	0.838852789
1.0	4	2.4572734	0.736618511
2.0	4	3.118668934	0.646843926
3.0	4	3.71000035	0.599490621
4.0	3.51071806	4	0.54088607
5.0	2.91706992	4	0.457356601
6.0	1.91099329	4	0.399060698
7.0	1.516488	4	0.355491209
8.0	1.24122656	4	0.321613971
9.0	1.04021299	4	0.294422173
10.0	0.888149422	4	0.242052296



THE UNDERGROUND UTILITIES SHOWN HEREON WERE PLOTTED FROM AVAILABLE INFORMATION AND DO NOT NECESSARILY REFLECT THE ACTUAL EXISTENCE, NONEXISTENCE, SIZE, TYPE, NUMBER OR LOCATION OF THESE OR OTHER UTILITIES. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACTUAL LOCATION OF ALL UNDERGROUND UTILITIES, SHOWN OR NOT SHOWN, AND SAID UTILITIES SHALL BE LOCATED IN THE FIELD PRIOR TO ANY GRADING, EXCAVATION OR CONSTRUCTION OF IMPROVEMENTS. THESE PROVISIONS SHALL IN NO WAY ABSOLVE ANY PARTY FROM COMPLYING WITH THE UNDERGROUND FACILITY SAFETY AND DAMAGE PREVENTION ACT, CHAPTER 319, RSMo.

ISSUE REMARKS/DATE

1	10/21/98	GRADING PLAN SUBMITTAL
2	12/30/98	SUBMITTAL OF CITY OF FALLON
3	01/21/99	DEVELOPER REV.
4	03/01/99	PER CITY OF FALLON COMMENTS
5	03/26/99	PER CITY OF FALLON COMMENTS IN FULL
6	3/30/99	
7	04/16/99	NEW LOT RECONFG

PREPARED FOR:
J.M.B. MILL CREEK L.L.C.
 5091 NEW BAUMGARTNER ROAD
 ST. LOUIS, MISSOURI 63129
 PHONE: (314) 487-6717



PREPARED BY:
STERLING
 ENGINEERS, SURVEYORS AND PLANNERS CO.
 (314)-487-0440, FAX 487-8644

DRAWN: *K.K.*
 DESIGNED: *cat.*
 CHECKED: *D.K.*

PROJECT:
**ESTATES/VILLAS
 AT HIGHGROVE**
 SHEET TITLE: GRADING PLAN

NO.	08	02	036
M.S.D.			SHEET
P#		5	OF
			33

BASE MAP