

TYPICAL YARD SWALE

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

Longitudinal Slope (%)	Discharge (cfs)	Velocity (ft/sec)	Depth (ft)
0.5	4.00	1.89	0.84
1.0	4.00	2.46	0.74
2.0	4.00	3.12	0.65
3.0	4.00	3.71	0.60
4.0	3.51	4.00	0.54
5.0	2.51	4.00	0.46
6.0	1.91	4.00	0.40
7.0	1.52	4.00	0.36
8.0	1.24	4.00	0.32
9.0	1.04	4.00	0.29
10.0	0.89	4.00	0.24

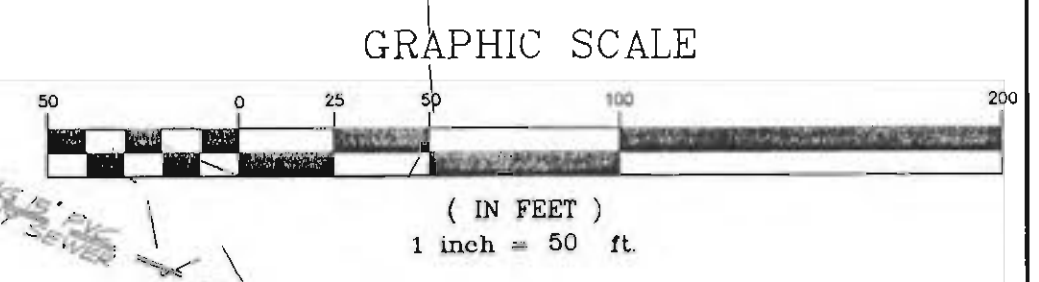
6.0' MINIMUM WIDTH
 3.0' MIN. DEPTH 1.0'
 3:1 SLOOED SIDE SLOPES

NOTE:
 Rip-rap shown at flared ends will be evaluated in the field after installation for effectiveness and field modified, if necessary, to reduce erosion on and off-site.

NOTE:
 Once storm sewers are constructed each area inlet shall be installed with a Filterfence as shown on Sheet 10.8. Following the completion of the street paving the curb inlets shall be installed with a Gutterbuddy as shown on Sheet 10.8.

NOTE:
 The following units shall utilize window wells around the basement access windows:

- Unit 1 - Side and Back
- Unit 2 - Back Only
- Unit 3 & 4 - Side and Back
- Unit 5 - Side and Back



NOTE:
 GRADING OPERATIONS AT THE SITE ARE CURRENTLY OPERATING UNDER A GRADING PERMIT ISSUED BY ST. CHARLES COUNTY. ALL APPURTENANCES RELATING TO THE GRADING OPERATIONS CAN BE FOUND ON THE GRADING PLAN SET APPROVED BY ST. CHARLES COUNTY.

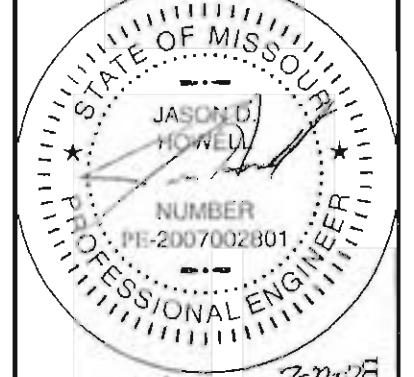
O'FALLON-FILE # 4406.01
 P&Z APPROVAL: DEC. 7, 2006

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	FIRST SUBMITTAL 01-12-07
2	REVISED PER ST. CHARLES COUNTY COMMENTS 2-5-07
3	REVISED PER CHARLETT CREEK COMMENTS 3-9-07
4	REVISED PER CITY OF O'FALLON AND PASADENA 3-1-07
5	REV. PER CITY OF O'FALLON PASADENA & OCS 3-27-07
6	REV. PER CITY OF O'FALLON 3-27-07
7	REV. PER CITY OF O'FALLON 7-11-07
8	REV. PER CITY OF O'FALLON COMMENTS 7-27-07

PREPARED FOR:
McBride and Son Homes
Land Development, Inc.
 #1 McBride and Son Center Drive
 Chesterfield, Missouri 63005
 (636) 537-2000



THE **STERLING** CO
 ENGINEERS & SURVEYORS
 5055 NEW BALDARNER ROAD
 ST. LOUIS, MISSOURI 63129
 (314) 684-4444
 E-Mail: Sterlingsterling-eng-sur.com

PROJECT:	BELMONTE LANDING	
DRAWN:	DESIGNED:	CHECKED:
NO.	05 11 363	SHEET
M.S.D.		2.1
#		OF

Drawing name: K:\515183 Belmonte Landing\Map\Improvement\13623p.dwg Plotted on Jul 27, 2007 - 11:27am Plotted by: jhonest