

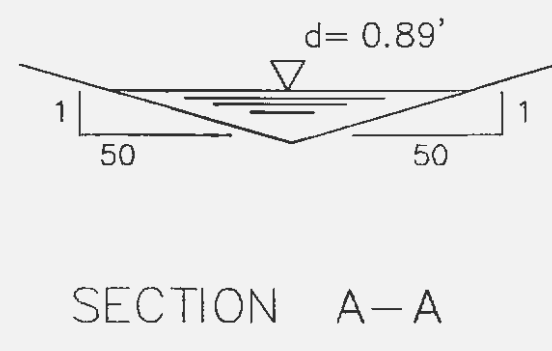
DETENTION BASIN (WET LAKE)
 NORMAL POOL ELEV. 546.00
 EXISTING BASIN TO BE RE-GRADED AND USED FOR SILTATION CONTROL DURING ROUGH GRADING
 ASSUMED BOTTOM OF POND = 540'
 AREA OF SILTATION = 35 ACRES
 VOL. OF SILTATION STORAGE REQ. = 4,690 CY
 VOL. OF SILTATION STORAGE PROVIDED = 4,690 CY
 CLEAN OUT ELEVATION = 540.75'

AUGUST A. BUSCH
 REGISTERED PROFESSIONAL ENGINEER
 MISSOURI

RETAINING WALL NOTES:
 A. ALL CONSTRUCTION SHALL BE PER THE MANUFACTURERS RECOMMENDATION.
 B. SHOP DRAWINGS BEARING THE SEAL OF A REGISTERED ENGINEER IN THE STATE OF MISSOURI TO BE SUPPLIED TO THIS ENGINEER FOR APPROVAL.
 C. TW= TOP OF RETAINING WALL, BW= GRADE AT BASE OF WALL.

NOTES:
 1. GRADES WITHIN HATCH AREA ARE SHOWN AS FINISHED ELEVATION. CONTRACTOR SHOULD ADJUST TO SUB-BASE.
 2. ROOF DRAINS WILL DIRECT WATER TO SHEET FLOW INTO STORM SYSTEM.

Q = 19.9 CFS
 Slope = 3%
 n = .03
 A = 39.6 SF
 R = 0.44 FT
 R^{2/3} = 0.58
 S^{1/2} = 0.17
 W.P. = 89.0 FT
 V = 2.81 FPS



REVISIONS

DATE	DESCRIPTION
04/14/05	BUCKET CREEK COMMENTS
04/12/05	REV SAN. AND STORM
12/21/04	REVISE PER 2
12/21/04	COLE AND ASSOCIATES
12/28/04	BUCKET CREEK COMMENTS
1/3/05	CITY OF FALLON COMMENTS
1/28/05	BUCKET CREEK COMMENTS
1/28/05	CITY OF FALLON COMMENTS
2/16/05	BUCKET CREEK COMMENTS
2/16/05	CITY OF FALLON COMMENTS
2/16/05	BUCKET CREEK COMMENTS
2/16/05	CITY OF FALLON COMMENTS

DEVELOPER/OWNER:
WINGHAVEN LAND INVESTORS LLC
 C/O MC EAGLE DEVELOPMENT COMPANY
 1001 BOARDWALK SPRINGS PLACE
 OF FALLON, MO 63366
 (636) 561-9300

THE PROFESSIONAL ENGINEER'S SEAL AND SIGNATURE SHALL BE PLACED ON THIS PLAN. ANY REVISIONS TO THIS PLAN SHALL BE MADE BY THE REGISTERED PROFESSIONAL ENGINEER. THE REGISTERED PROFESSIONAL ENGINEER ASSUMES RESPONSIBILITY FOR THE ACCURACY OF THE INFORMATION PROVIDED TO HIM OR HER AND FOR THE DESIGN AND CONSTRUCTION OF THE PROJECT TO WHICH THIS PLAN RELATES. FOR ANY PART OR PARTS OF THIS PLAN, THE REGISTERED PROFESSIONAL ENGINEER SHALL BE HELD RESPONSIBLE.

CALEDONIA
 HIGHWAY 40/61 AND WINGHAVEN
 OF FALLON, MO 63366

COLE
 and ASSOCIATES
 INCORPORATED

planning • engineering • surveying • landscape architecture

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DESIGNED BY
 PMH

DRAWN BY
 PMH

CHECKED BY
 KER/JTR

DATE
 6/1/05

Job Number
03-309

Sheet Number
C5.0

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 PMH

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 PMH

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DATE: Oct 16, 2005 - 11:30am
 DRAWING: S:\JOBS\0303\03-309\LD3_03-309.dwg VC-jplans-phase1.dwg