

MICHAEL ATHANAS & ASSOCIATES
LICENSED SOIL SCIENTIST
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Reference: Data Sheet for Anniston Lot 126
House Footprint: 57' x 67'
Building Setbacks: 35' front/rear/15'left side/right side
Water Source: Private Well
Number of Bedrooms: 5/600 GPD
Predetermined LTAR: 0.3 GPD/FT2 (ICHD)
Proposed System Type: 25% Reduction
Proposed Repair System Type: PPBPS
Distribution: Pressure Manifold
Flow per Tap: 5.48 GPM for ½" SCH80
Tap Size and Material: ½" SCH80
System Flow: 27.4 GPM
Dosing Volume: 218.76 Gallons
Pump Run Time: 7.98 minutes
Elevation Head: 9'
Friction Head: 2.03'
Pressure Head: 2'
Total Dynamic Head: 13.03'
Supply Line Length: 110'
Septic/Pump Tank Size: 1500/1500
Proposed Trench Bottom: 36"

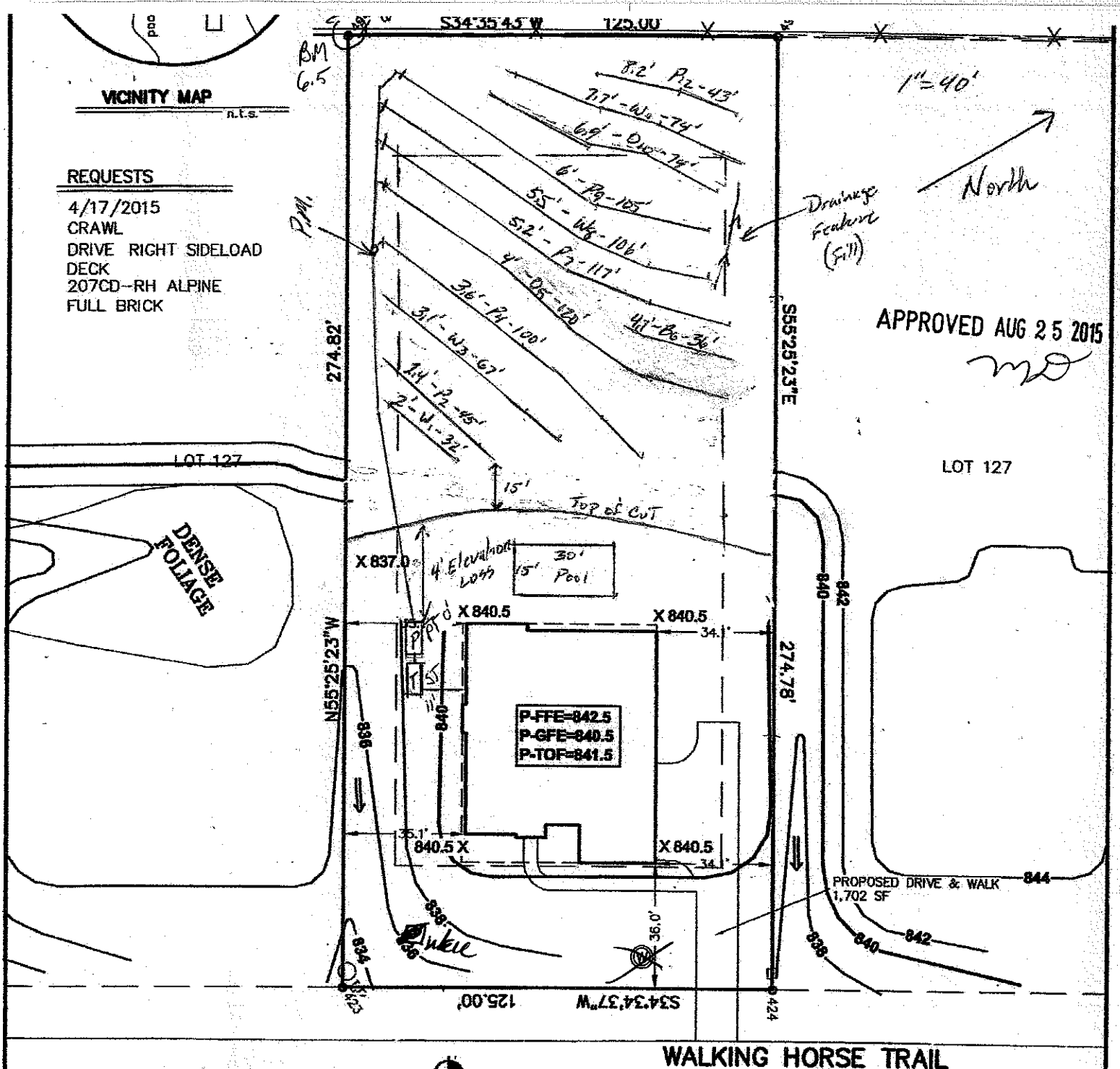
APPROVED AUG 25 2015
MD

Line	Design Length	Actual Length	Elevation
White 1		32'	2'
Pink 2		45'	2.4'
White 3		67'	3.1'
Pink 4	**100'**	**100'**	**3.6'**
Orange 5	**100'**	**120'**	**4'**
Blue 6		36'	4.7'
Pink 7	**100'**	**117'**	**5.2'**
White 8	**100'**	**106'**	**5.5'**
Pink 9	**100'**	**105'**	**6'**
Orange 10		74'	6.9'
White 11		74'	7.7'
Pink 12		43'	8.2'

APPROVED AUG 26 2015

Initial System: 500' **Repair System:** 371' **Benchmark:** 6.5' Back left P/L iron
Pump Tank: 0' **House Corner:** 1.5'

Comments:
The purpose of this evaluation is to add a pool and allow some additional grading to the site. MA&A performed no additional soil evaluations due to the septic area being in the same area as the previously permitted area. The house site is currently under construction. A proposed swimming pool has been marked using orange pin flags. All cuts within 15 feet of the septic area must be < 2 feet. There is a 4' rise from the tank location to the top of the cut. From the top of the cut to the first septic line, there is 2-3 feet of fall. All pump calculations used 9' of elevation difference (bottom of the tank to the top of the cut). The small drainage feature near the septic area should be filled to allow the system be installed as shown.


VICINITY MAP
n.t.s.
REQUESTS
4/17/2015
CRAWL
DRIVE RIGHT SIDELOAD
DECK
207CD--RH ALPINE
FULL BRICK
S34°35'45"W 125.00'
BM 6.5
1"=40'
North
Drainage Feature (Fill)
APPROVED AUG 25 2015
S55°25'23"E
274.82'
N55°25'23"W
274.78'
LOT 127
LOT 127
DENSE FOLIAGE
Top of Cut
15'
X 837.0
4' Elevation Loss
30' 15' Pool
X 840.5
X 840.5
34.1'
P-FFE=842.5
P-GFE=840.5
P-TOF=841.5
840.5 X
X 840.5
35.1'
34'
PROPOSED DRIVE & WALK
1,702 SF
844
842
840
838
836
834
832
36.0'
S34°34'37"W 125.00'
424
WALKING HORSE TRAIL
50' PUBLIC ROAD R/W
OVERLOOK RIDGE LANE
50' PUBLIC ROAD R/W
421
835.40
478
477
474
473
LEGEND
O PROPERTY CORNER
(F) FOUND
(S) SET
#4b No. 4 REBAR
R/W RIGHT OF WAY
P.D.E. PUBLIC DRAINAGE EASEMENT
MAG SURVEY NAIL
Ⓢ/SSMH SANITARY SEWER MANHOLE
P-FFE PROPOSED FINISH FLOOR ELEV
P-GFE PROPOSED GARAGE FLOOR ELEV
P-TOF PROPOSED TOP OF FOUNDATION ELEV
HP GRADING HIGH POINT
LP GRADING LOW POINT
BENCHMARK SURVEY NAIL
DRAINAGE FLOW DIRECTION
-S- PROPOSED SEPTIC LINE
LOT SETBACKS
ZONING RA
SIDE YARD 15 FEET
SIDE YARD ON CORNER LOT 25 FEET
REAR YARD 35 FEET
SETBACK 35 FEET
THIS PROPERTY MAY BE SUBJECT TO EASEMENTS AND/OR RIGHTS-OF-WAY EITHER RECORDED OR IMPLIED.
SCALE: 1" = 40'
Lucas-Forman
PLOT PLAN
of
ENVELOPE:
A

SOIL/SITE EVALUATION

(Continuation Sheet)

Sheet ___ of ___

DEPARTMENT OF ENVIRONMENT
AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH

PROPERTY ID #: _____
DATE OF EVALUATION: _____
COUNTY: _____

Anniston PhIV

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE	SOIL MORPHOLOGY (.1941) .1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
P12 6A	4/0-5	0-20	DRC mfsclk/A1k	Fr SS P SExP					PS
		20-55	RCl wfsbk	Fr SSS P SExP	-csap	55	PS	–	0.3
		55-74	varig, l mass	" " " "					
P12 CB	4/0-5	0-23	RC mmsbk	Fr SSS P SExP	-fsap				PS
		23-60	RYCl wfsbk	" " " "	-CSY	60	PS	–	0.3-
		60-70	varig l mass	" " " "					0.35
P12 6C	4/0-5	0-19	RC mmsbk/A1k	Fr SSS P SExP					PS
		19-56	RYCl wfsbk	" " " "	-csap	56	PS	–	0.3-
		56-70	varig l mass	" " " "					0.35
P12 6D	4/0-5	0-36	RC mmA1k/sbk	Fr SSS P SExP					PS
		36-60	RYCl wfsbk	" " " "	-csap	60	PS	–	0.3
		60-70	varig l mass	" " " "					

COMMENTS: _____