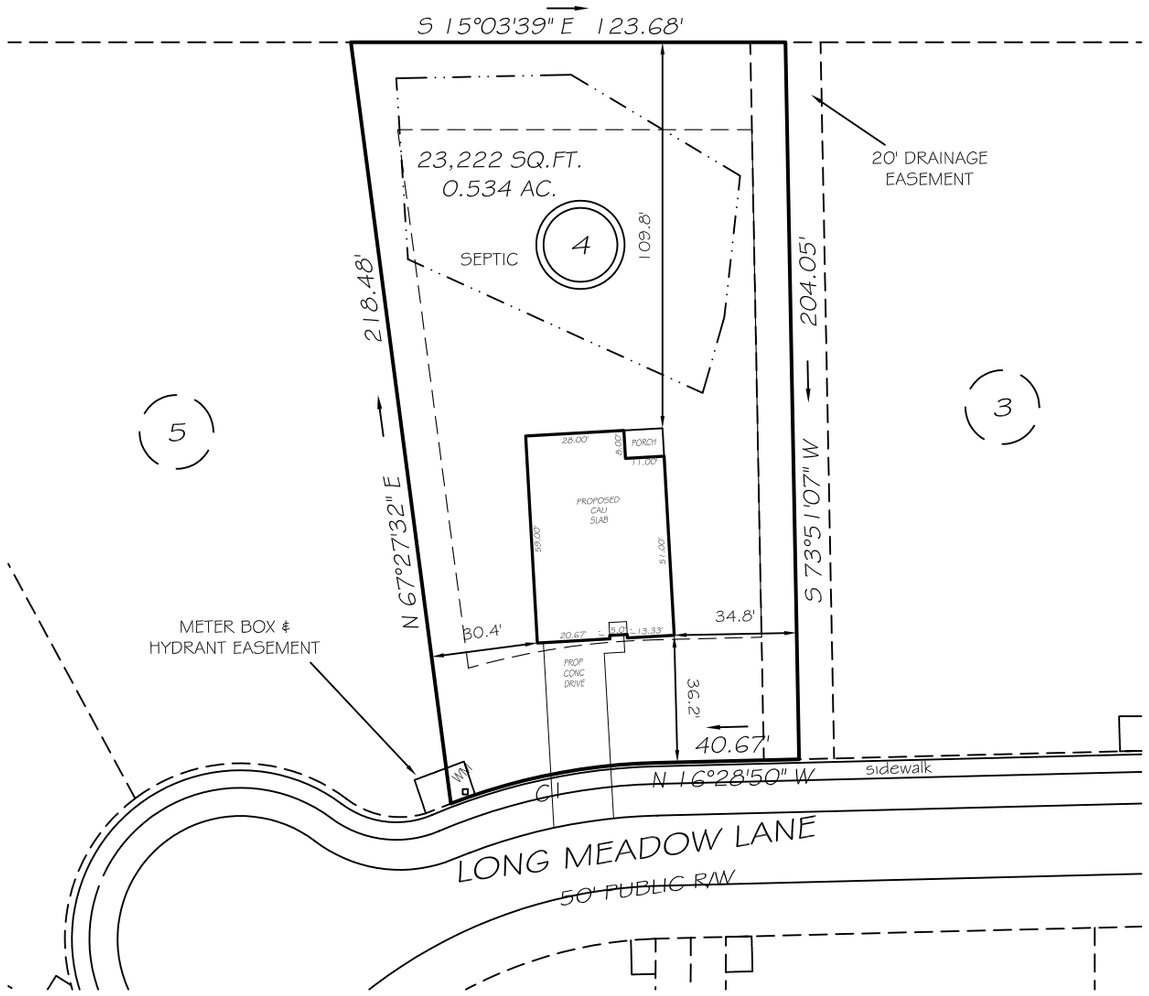
I, MICHAEL P. GRIFFIN , certify that under my direction and supervision this map was drawn from an actual field survey, that the error of closure of the survey as calculated by coordinates is 1: 10,000+ ; that the area shown hereon was calculated by coordinates.

Witness my hand and seal this day of MONTH 2021.

BM 3894:0626 PAGE HARNETT CO. REGISTRY

N/F
CATHY TOLAR
PIN 0653-39-5615
DB 825 PG 991



SETBACKS

FRONT	35'
REAR	25'
SIDE	10'
CORNER SIDE	20'

IMPERVIOUS AREAS

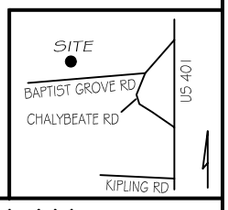
HOUSE	2296 SQ. FT.
DRIVE & WALKS	643 SQ. FT.
PATIO	000 SQ. FT.
TOTAL	2939 SQ. FT.
ALLOWED	4250 SQ. FT.

C1 R=175.00' L=59.89' N26°17'02"W 59.59'

REVISION: 20' RIGHT 10/13/21

LEGEND

EIP	EXISTING IRON PIPE	FES	FLARED END SECTION
IPS	IRON PIPE SET	WM	WATER METER
R/W	RIGHT OF WAY	CO	CLEAN OUT
N/F	NOW OR FORMERLY	FH	FIRE HYDRANT
EIS	EXISTING IRON STAKE	CB	CATCH BASIN



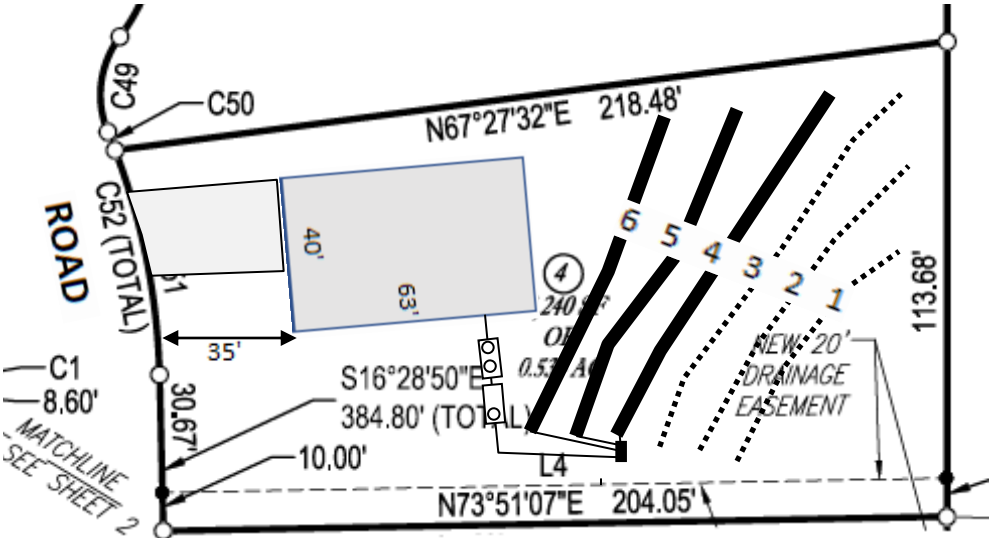
PRELIMINARY
NOT FOR RECORDATION, SALES OR CONVEYANCE

GRIFFIN LAND SURVEYING, INC.
P. O. BOX 148
FUQUAY-VARINA, NC 27526
(919) - 567 - 1963

DRAWN BY NMF | DATE DATE
CHECKED BY MPG | SCALE 1" = 50'

PLOT PLAN
FOR
D. R. HORTON
LAFAYETTE MEADOWS
LOT 4
LONG MEADOW LANE
NORTH CAROLINA
HARNETT CO. HECTORS CREEK TWSHP

Lot 4, Lafayette Meadows Subdivision



Benchmark @ EIP
On Lot 3

Lines flagged at site on 9-ft centers.

Line #	Color	Relative North (ft)	Elevation South (ft)	Drainline Length(ft)	Field Length(ft)
1	Y	99.35	98.85	68	68
2	W	99.05	98.64	80	87
3	B	98.53		110	115
4	R	98.33		90	104
5	Y	97.85		90	94
6	W	97.31		90	90
Benchmark		**100.00**	**100.00**		

Scale 1 in = 50 ft

Distances are paced and approximate. Not a survey.

3 bedroom home (360 gal/day)

Initial System

Pump to 3 X 90ft (pressure manifold distribution)
Accepted Status System (25% reduction drainlines)
installed on contour at 18-24 inch trench depth
LTAR 0.35 gal/day/sqft

Repair System

Pump to 288ft (pressure manifold distribution)
Accepted Status System (25% reduction drainlines)
installed off contour at 18-24 inch trench depth
LTAR 0.35 gal/day/sqft

This design represents our professional opinion but does not guarantee or represent permit approval by the Health Department.

Lafayette Meadows Lot 4

Pressure Manifold Design Criteria

Initial System

Line Number	Line Color	Elevation	Drainline Length(ft)	Tap Size/ Schedule	Flow/tap (gpm)	gpd/ft	LTAR (gpd/sqft)
4	R	98.33	90	1/2"sch 40	7.11	1.333	0.444
5	Y	97.85	90	1/2"sch 40	7.11	1.333	0.444
6	W	97.31	90	1/2"sch 40	7.11	1.333	0.444

Total Drainline= 270 Total Flow= 21.33

Pressure Head (ft)= 2 Target LTAR* (gpd/sf)= 0.47 LTAR + 5% 0.490

Daily Flow= 360 Total Flow (gpm)= 21.33 Daily PRT(min)= 16.88

Dose Vol= 132.23 gallons w/ Pipe Vol @% 75 Dose PRT (min)= 6.20

Repair System

Line Number	Line Color	Elevation	Drainline Length(ft)	Tap Size/ Schedule	Flow/tap (gpm)	gpd/ft	LTAR (gpd/sqft)
1	Y	98.85	68	1/2"sch 80	5.48	1.279	0.426
2	W	98.64	80	1/2"sch 40	7.11	1.410	0.470
3	B	98.53	110	1/2"sch 80	10.10	1.457	0.486

Total Drainline= 258 Total Flow= 22.69

Pressure Head (ft)= 2 Target LTAR* (gpd/sf)= 0.47 LTAR + 5% 0.490

Daily Flow= 360 Total Flow (gpm)= 22.69 Daily PRT(min)= 15.87

Dose Vol= 126.36 gallons w/ Pipe Vol @% 75 Dose PRT (min)= 5.57

* Target LTAR: Convert LTAR for accepted system drainlines by dividing soil LTAR by 75%