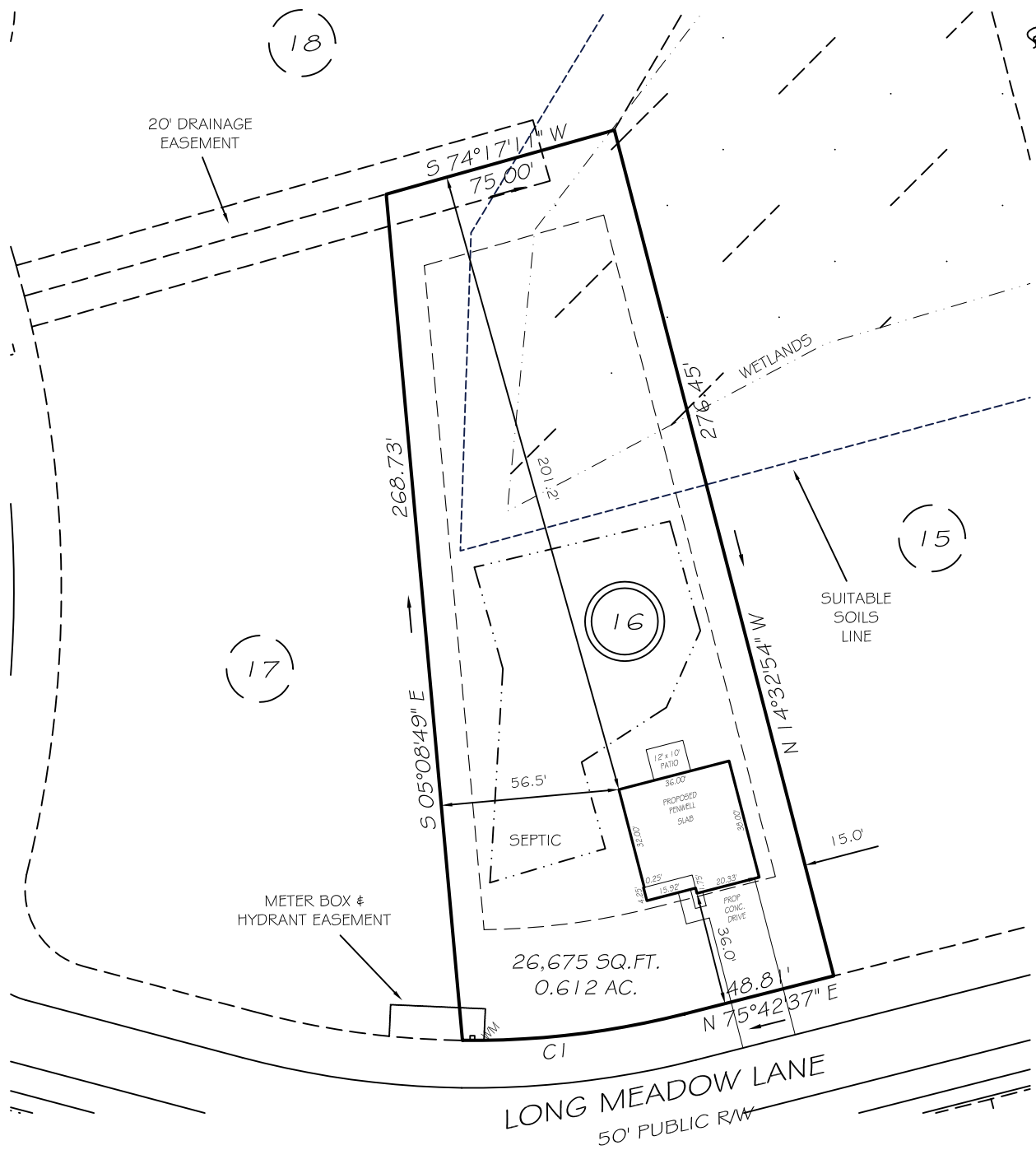


I, MICHAEL P. GRIFFIN, certify that under my direction and supervision this map was drawn from an actual field survey; that the error of closure of the survey as calculated by coordinates is 1: 10,000+; that the area shown hereon was calculated by coordinates.

Witness my hand and seal this day of MONTH 2021.



IMPERVIOUS AREAS

HOUSE	1342 SQ. FT.
DRIVE & WALKS	667 SQ. FT.
PATIO	120 SQ. FT.
TOTAL	2129 SQ. FT.
ALLOWED	4250 SQ. FT.

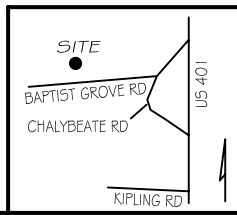
SETBACKS

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

CI R=270.00' L=70.93' S83°14'10\"/>

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



P R E L I M I N A R Y
 NOT FOR RECORDATION,
 SALES OR CONVEYANCE



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

PLOT PLAN
 FOR
D. R. HORTON
LAFAYETTE MEADOWS
LOT 16
 221 LONG MEADOW LANE
 NORTH CAROLINA
 HARNETT CO. HECTORS CREEK TWSHP

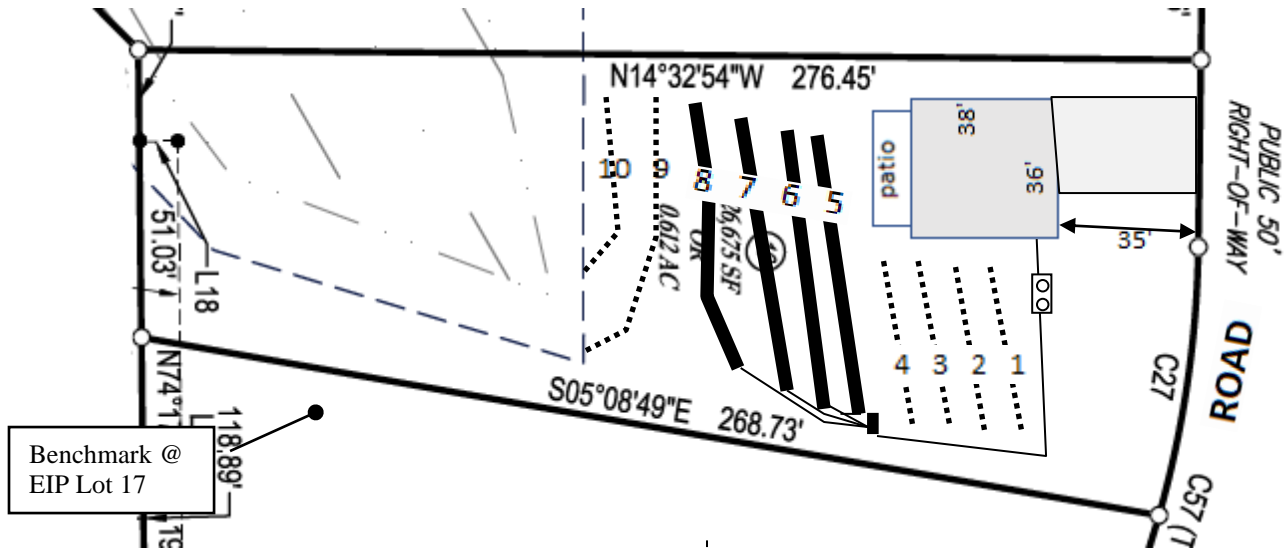
DRAWN BY NMF

DATE _____

CHECKED BY MPG

SCALE **1" = 50'**


Lot 16, Lafayette Meadows Subdivision



Lines flagged at site on 9-ft centers.

Line #	Color	Elevation		Drainline Length(ft)	Field Length(ft)
		Relative East (ft)	West (ft)		
1				45	
2				45	
3	B	101.28	101.27	45	43
4	Y	100.97	100.72	45	87
5	W	100.69	100.65	75	86
6	R	100.47	100.49	75	84
7	B		100.42	75	84
8	Y		100.05	75	84
9	W		99.66	80	95
10	R		99.39	45	53
Benchmark		100.00	100.00		



Scale 1 in = 50 ft

 Distances are paced
 and approximate.
 Not a survey.

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

3 bedroom home (360 gal/day)
Initial System
 Gravity to 4 X 75ft
 Accepted Status System (25% reduction drainlines)
 installed off contour at 18-24 inch trench depth
 LTAR 0.3 gal/day/sqft
Repair System
 Pump to 300ft (pressure manifold distribution)
 Accepted Status System (25% reduction drainlines)
 installed on contour at 18 inch trench depth
 LTAR 0.3 gal/day/sqft

Lafayette Meadows Lot 16

Pressure Manifold Design Criteria

Repair System

Line Number	Line Color	Elevation	Drainline Length(ft)	Tap Size/Schedule	Flow/tap (gpm)	gpd/ft	LTAR (gpd/sqft)
1			45	1/2"sch 80	5.48	1.169	0.390
2			45	1/2"sch 80	5.48	1.169	0.390
3	B	101.27	45	1/2"sch 80	5.48	1.169	0.390
4	Y	100.72	45	1/2"sch 80	5.48	1.169	0.390
9	W	99.66	80	3/4"sch 80	10.10	1.212	0.404
10	R	99.39	45	1/2"sch 80	5.48	1.169	0.390

Total Drainline= 305 Total Flow= 26.54

Pressure Head (ft)= 2 Target LTAR* (gpd/sf)= 0.4 LTAR + 5% 0.420

Daily Flow= 360 Total Flow (gpm)= 37.50 Daily PRT(min)= 9.60

Dose Vol= 149.37 gallons w/ Pipe Vol @% 75 Dose PRT (min)= 3.98

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