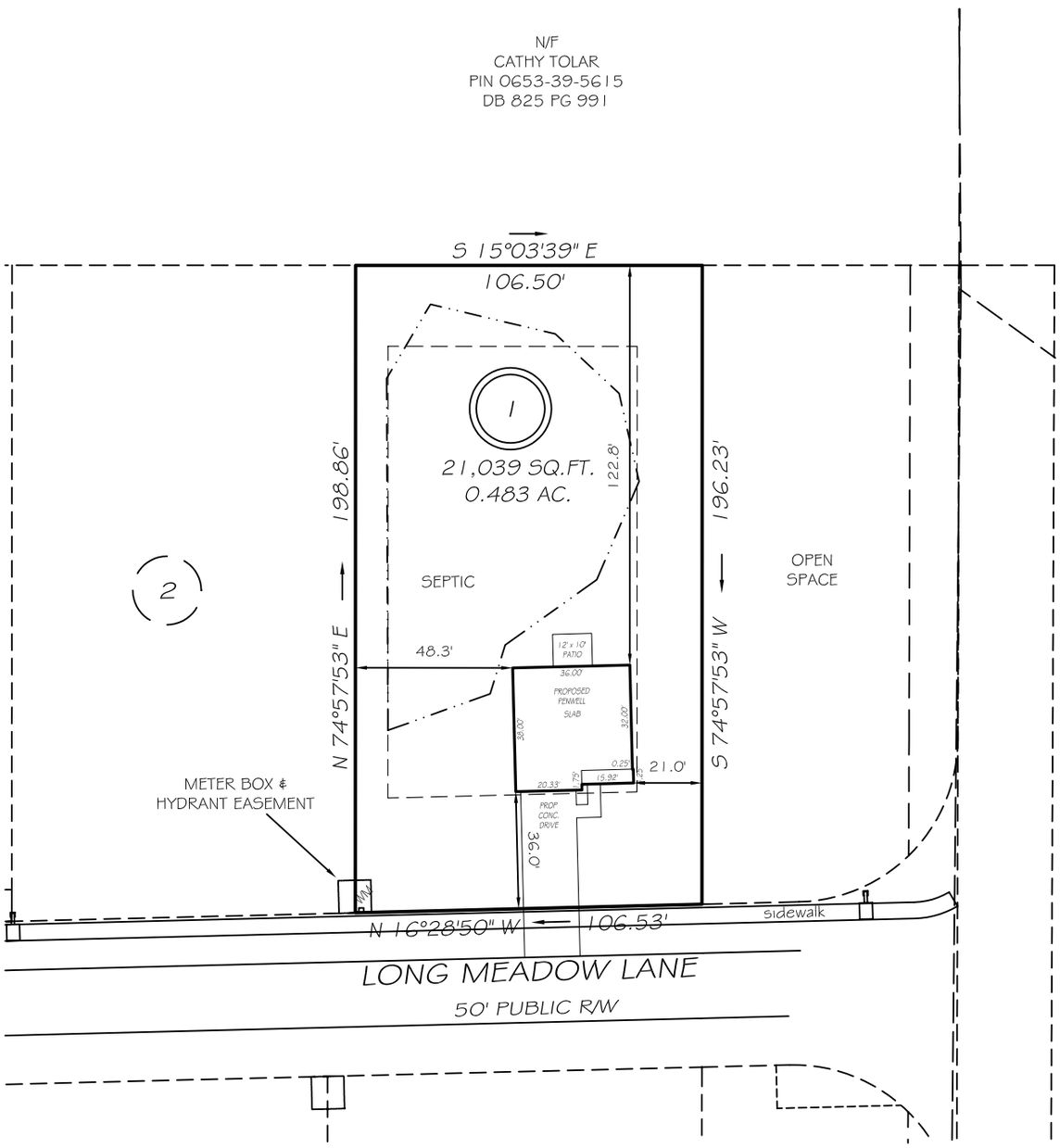
I, MICHAEL P. GRIFFIN , certify that under my direction and supervision this map was drawn from an actual field survey; that the error of closure of the survey as calculated by coordinates is 1: 10,000+ ; that the area shown hereon was calculated by coordinates.

Witness my hand and seal this day of MONTH 2021.

BM PAGE HARNETT CO. REGISTRY 3894:0626



SETBACKS

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

IMPERVIOUS AREAS

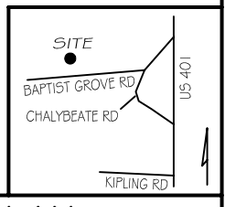
HOUSE	1342 SQ. FT.
DRIVE & WALKS	667 SQ. FT.
PATIO	120 SQ. FT.
TOTAL	2129 SQ. FT.
ALLOWED	4250 SQ. FT.

PRELIMINARY

NOT FOR RECORDATION, SALES OR CONVEYANCE

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



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

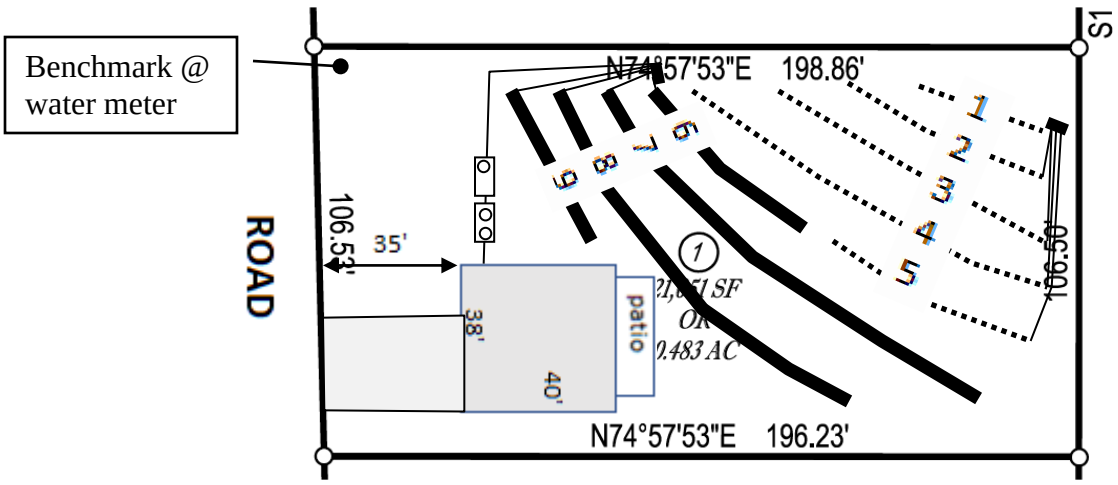
LOT 1

LONG MEADOW LANE

NORTH CAROLINA

HARNETT CO. HECTORS CREEK TWSHP

Lot 1, Lafayette Meadows Subdivision



Lines flagged at site on 9-ft centers.

Line #	Color	Relative Elevation (ft)	Drainline Length(ft)
1	W	102.19	45
2	R	102.03	67
3	B	101.90	84
4	Y	101.50	105
5	W	101.12	69
6	W	101.12	42
7	B	100.74	140
8	R	100.47	120
9			45
Benchmark		**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.

4 bedroom home (480 gal/day)

Initial System

Pressure manifold to 343ft (X3ft) of Accepted Status System (25% reduction drainlines) installed off contour at 18-24 inch trench depth
LTAR 0.35 gal/day/sqft

Repair System

Pressure manifold to 343ft (X3ft) of Accepted Status System (25% reduction drainlines) installed off contour at 18-24 inch trench depth
LTAR 0.35 gal/day/sqft

Lafayette Meadows Lot 1

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)
6	W	101.12	42	FD 1"sch 40**	5.05	1.465	0.488
7	B	100.74	140	1"sch 80	16.80	1.462	0.487
8	R	100.47	120	3/4"sch 40	12.50	1.269	0.423
9			45	FD 1"sch 40**	5.05	1.367	0.456

Total Drainline= 347 Total Flow= 39.40

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

Daily Flow= 480 Total Flow (gpm)= 39.40 Daily PRT(min)= 12.18

Dose Vol= 169.94 gallons w/ Pipe Vol @% 75 Dose PRT (min)= 4.31

Repair System

Line Number	Line Color	Elevation	Drainline Length(ft)	Tap Size/ Schedule	Flow/tap (gpm)	gpd/ft	LTAR (gpd/sqft)
1	W	102.19	45	FD 1"sch 40**	5.05	1.353	0.451
2	R	102.03	67	1/2"sch 40	7.11	1.280	0.427
3	B	101.90	83	3/4"sch 80	10.10	1.467	0.489
4	Y	101.50	106	3/4"sch 40	12.50	1.422	0.474
5	W	101.12	42	FD 1"sch 40**	5.05	1.450	0.483

Total Drainline= 343 Total Flow= 39.81

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

Daily Flow= 480 Total Flow (gpm)= 39.81 Daily PRT(min)= 12.06

Dose Vol= 167.98 gallons w/ Pipe Vol @% 75 Dose PRT (min)= 4.22

* Target LTAR: Convert LTAR for accepted system drainlines by dividing soil LTAR by 75%
** FD: flow divider after tap to split flow equally between two lines.