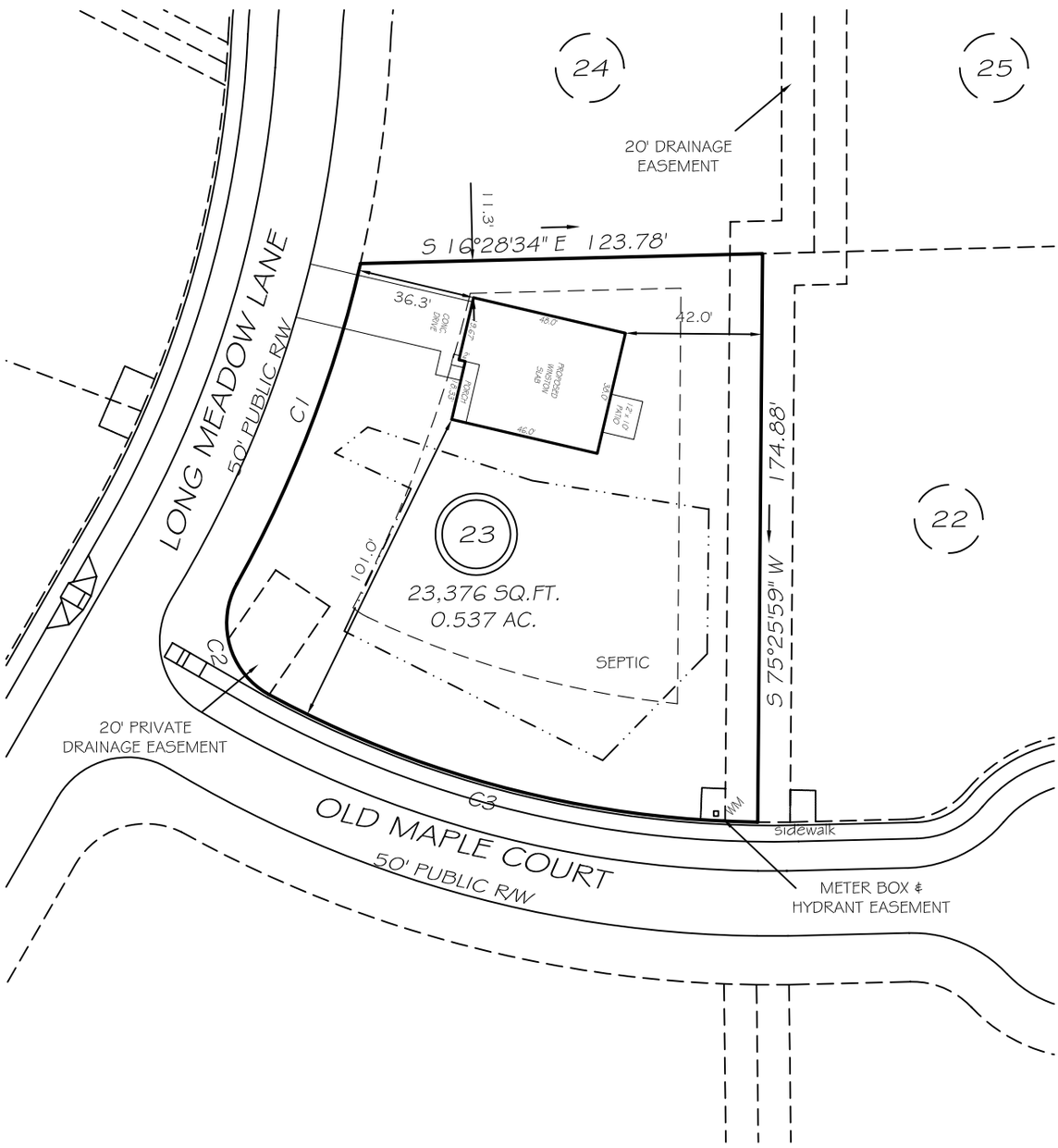
I, MICHAEL P. GRIFFIN , certify that under my direction and supervision this map was drawn from an actual field survey; that the error of closure of the survey as calculated by coordinates is 1: 10,000+ ; that the area shown hereon was calculated by coordinates.

Witness my hand and seal this day of MONTH 2021.

3894:0626
BM PAGE
HARNETT CO. REGISTRY



IMPERVIOUS AREAS

HOUSE	1787 SQ. FT.
DRIVE & WALKS	665 SQ. FT.
PATIO	120 SQ. FT.
TOTAL	2572 SQ. FT.
ALLOWED	4250 SQ. FT.

SETBACKS

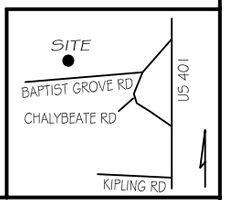
FRONT	35'
REAR	25'
SIDE	10'
CORNER SIDE	20'

C1 R=375.00' L=105.88' S83°56'26"E 105.53'
C2 R=25.00' L=39.60' S58°45'52"W 35.59'
C3 R=325.00' L=156.89' S00°26'57"E 155.38'

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

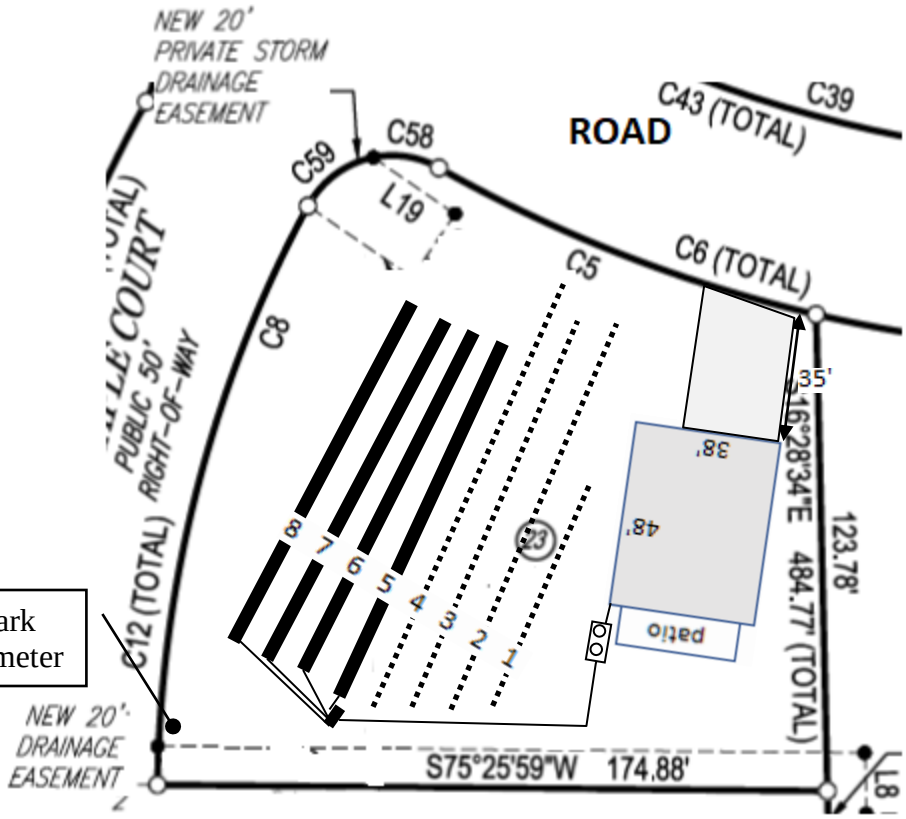


GRIFFIN LAND SURVEYING, INC.
P. O. BOX 148
FUQUAY-VARINA, NC 27526
(919) - 567 - 1963

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

PLOT PLAN
FOR
D. R. HORTON
LAFAYETTE MEADOWS
LOT 23
LONG MEADOW LANE
NORTH CAROLINA
HARNETT CO. HECTORS CREEK TWSHP

Lot 23, Lafayette Meadows Subdivision



Benchamark @ water meter

Lines flagged at site on 9-ft centers.

Line #	Color	Relative North (ft)	Elevation South (ft)	Drainline Length(ft)	Field Length(ft)
1	B	98.39	98.48	60	60
2	R	98.34	98.59	110	117
3	Y	98.16	98.30	110	120
4	W	97.95	98.21	120	125
5	B	97.88	98.24	100	126
6	R	97.66	97.90	100	128
7	Y	97.60	97.81	100	131
8	W	97.53	97.50	100	133
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.

4 bedroom home (480 gal/day)

Initial System

Gravity to 4 X 100ft
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 400ft (pressure manifold distribution)
Accepted Status System (25% reduction drainlines) installed off contour at 18-24 inch trench depth
LTAR 0.3 gal/day/sqft

Lafayette Meadows Lot 23

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	B	98.48	60	1/2"sch 80	5.48	1.225	0.408
2	R	98.59	110	3/4"sch 80	10.10	1.232	0.411
3	Y	98.30	110	3/4"sch 80	10.10	1.232	0.411
4	W	98.21	120	3/4"sch 80	10.10	1.129	0.376

Total Drainline= 400 Total Flow= 35.78

Pressure Head (ft)= 2 Target LTAR* (gpd/sf)= 0.4 LTAR + 5% 0.42

Daily Flow= 480 Total Flow (gpm)= 35.78 Daily PRT(min)= 13.42

Dose Vol= 195.90 gallons w/ Pipe Vol @% 75 Dose PRT (min)= 5.48

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