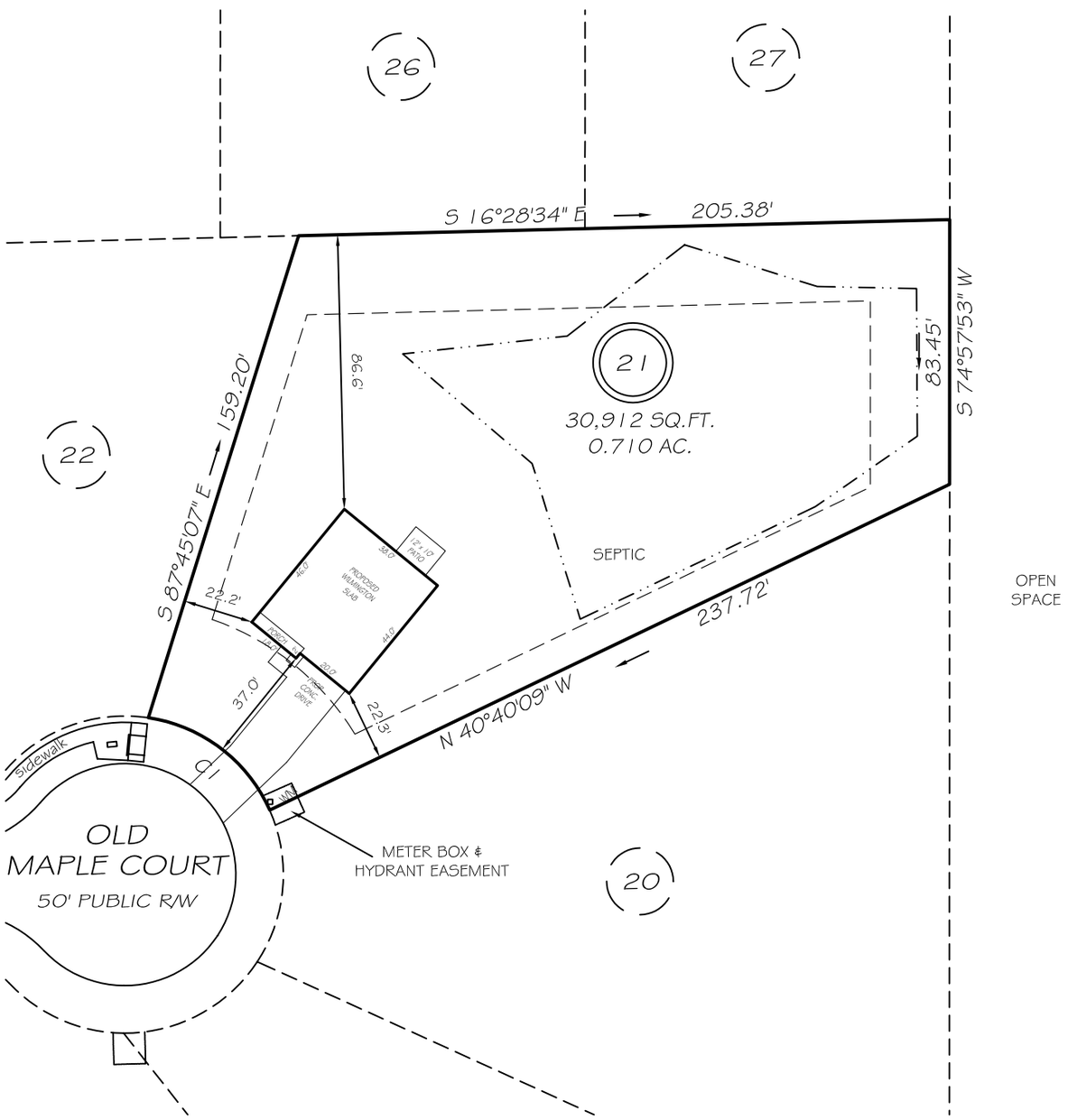
I, MICHAEL P. GRIFFIN , certify that under my direction and supervision this map was drawn from an actual field survey, that the error of closure of the survey as calculated by coordinates is 1: 10,000+ ; that the area shown hereon was calculated by coordinates.

Witness my hand and seal this day of MONTH 2021.

MINIMUM LOT WIDTH DOES NOT APPLY PER D.R. HORTON

3894:0626 DM PAGE HARNETT CO. REGISTRY



IMPERVIOUS AREAS

HOUSE	1708 SQ. FT.
DRIVE & WALKS	823 SQ. FT.
PATIO	120 SQ. FT.
TOTAL	2651 SQ. FT.
ALLOWED	4250 SQ. FT.

SETBACKS

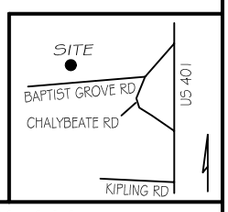
FRONT	35'
REAR	25'
SIDE	10'
CORNER SIDE	20'

C1 R=50.00' L=50.18' N22°13'00"E 48.10'

REVISION: MOVE FORWARD 10/26/21

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 10/12/21

CHECKED BY MPG | SCALE 1" = 50'

PLOT PLAN

FOR

D. R. HORTON

LAFAYETTE MEADOWS

LOT 21

71 OLD MAPLE COURT

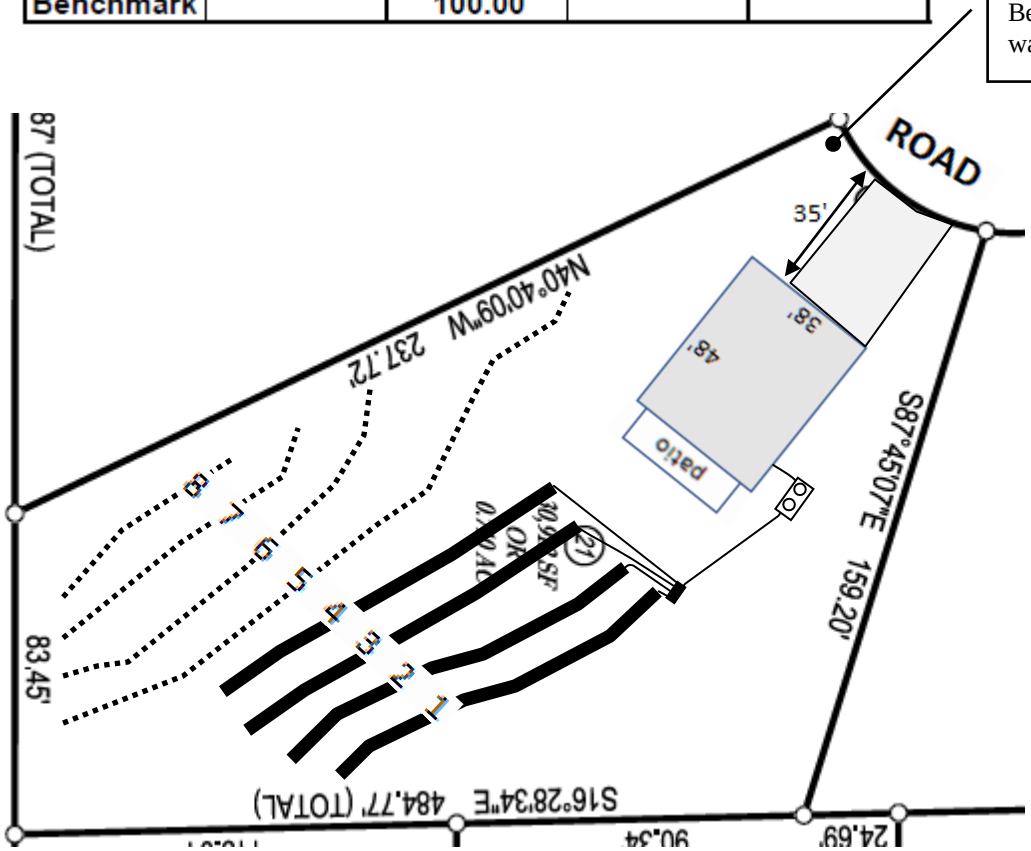
NORTH CAROLINA

HARNETT CO. HECTORS CREEK TWSHP

Lot 21, Lafayette Meadows Subdivision

Lines flagged at site on 9-ft centers.

Line #	Color	Relative Elevation (ft)	Drainline Length(ft)	Field Length(ft)
1			100	
2	Y	99.44	100	145
3	B	99.03	100	145
4	W	98.72	100	179
5	R	98.35	166	166
6	Y	97.9	106	106
7	B	97.58	79	79
8	W	97.27	49	49
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

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

Lafayette Meadows Lot 21

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)
5	R	98.35	165	1"sch 40	20.20	1.217	0.406
6	Y	97.9	106	3/4"sch 40	12.50	1.172	0.391
7	B	97.58	80	3/4"sch 80	10.10	1.255	0.418
8	W	97.27	49	1/2"sch 80	5.48	1.112	0.371

Total Drainline= 400 Total Flow= 48.28

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

Daily Flow= 480 Total Flow (gpm)= 48.28 Daily PRT(min)= 9.94

Dose Vol= 195.90 gallons w/ Pipe Vol @% 75 Dose PRT (min)= 4.06

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