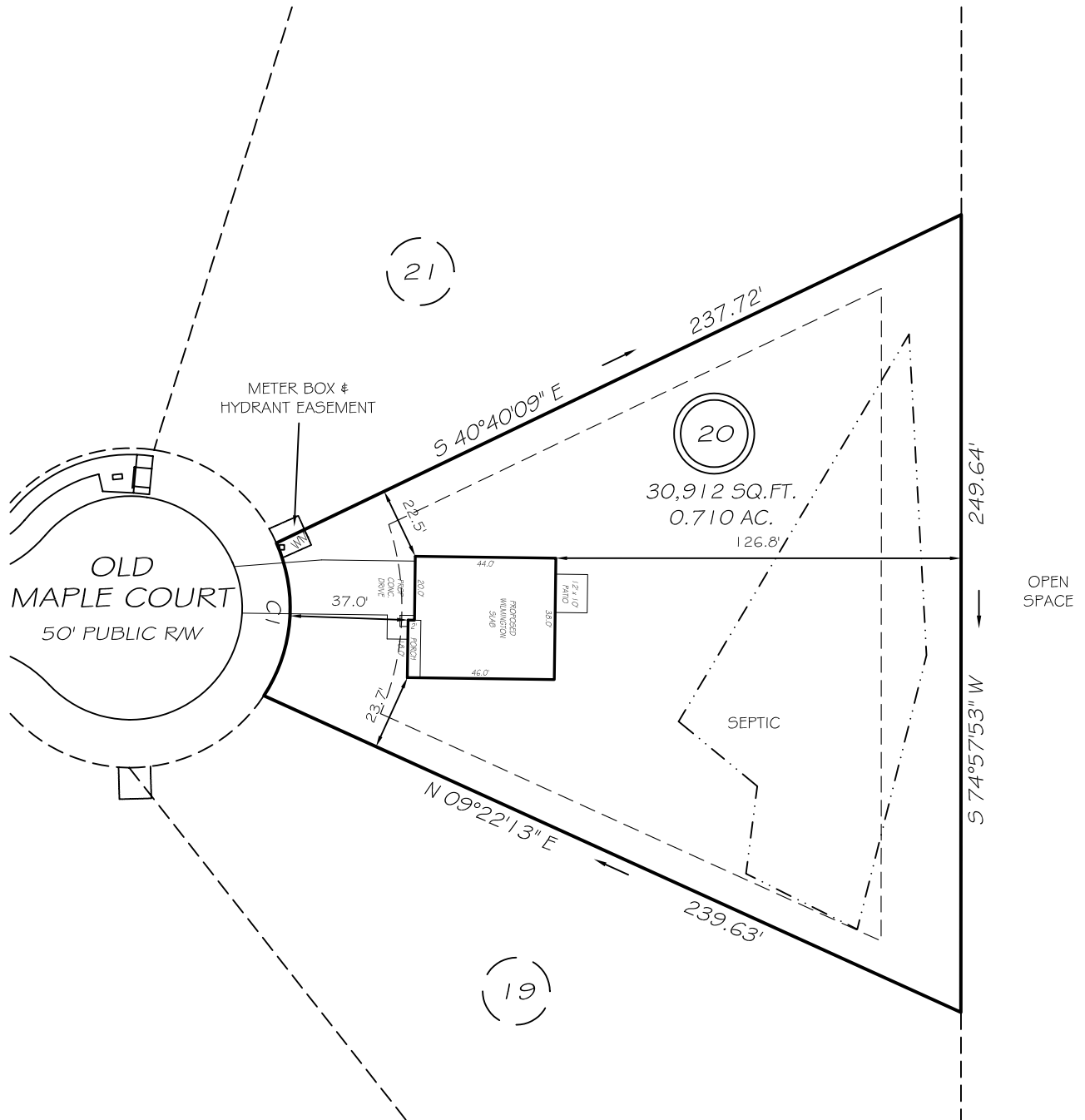


I, MICHAEL P. GRIFFIN, certify that under my direction and supervision this map was drawn from an actual field survey; that the error of closure of the survey as calculated by coordinates is 1: 10,000+; that the area shown hereon was calculated by coordinates.

Witness my hand and seal this day of MONTH 2021.

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

3894:0626  
HARNETT CO. REGISTRY  
PAGE  
BM



IMPERVIOUS AREAS

HOUSE	1708 SQ. FT.
DRIVE & WALKS	572 SQ. FT.
PATIO	120 SQ. FT.
<b>TOTAL</b>	<b>2400 SQ. FT.</b>
ALLOWED	4250 SQ. FT.

SETBACKS

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

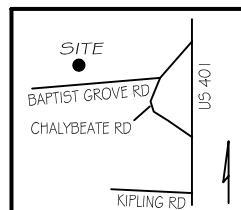
REVISION: MOVE FORWARD 10/26/21

CI R=50.00' L=50.01' N79°37'18"E 47.95'

**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

**PLOT PLAN**

FOR

**D. R. HORTON**

**LAFAYETTE MEADOWS**

**LOT 20**

74 OLD MAPLE COURT

NORTH CAROLINA

HARNETT CO. HECTORS CREEK TWSHP

DRAWN BY NMF

DATE 10/12/21

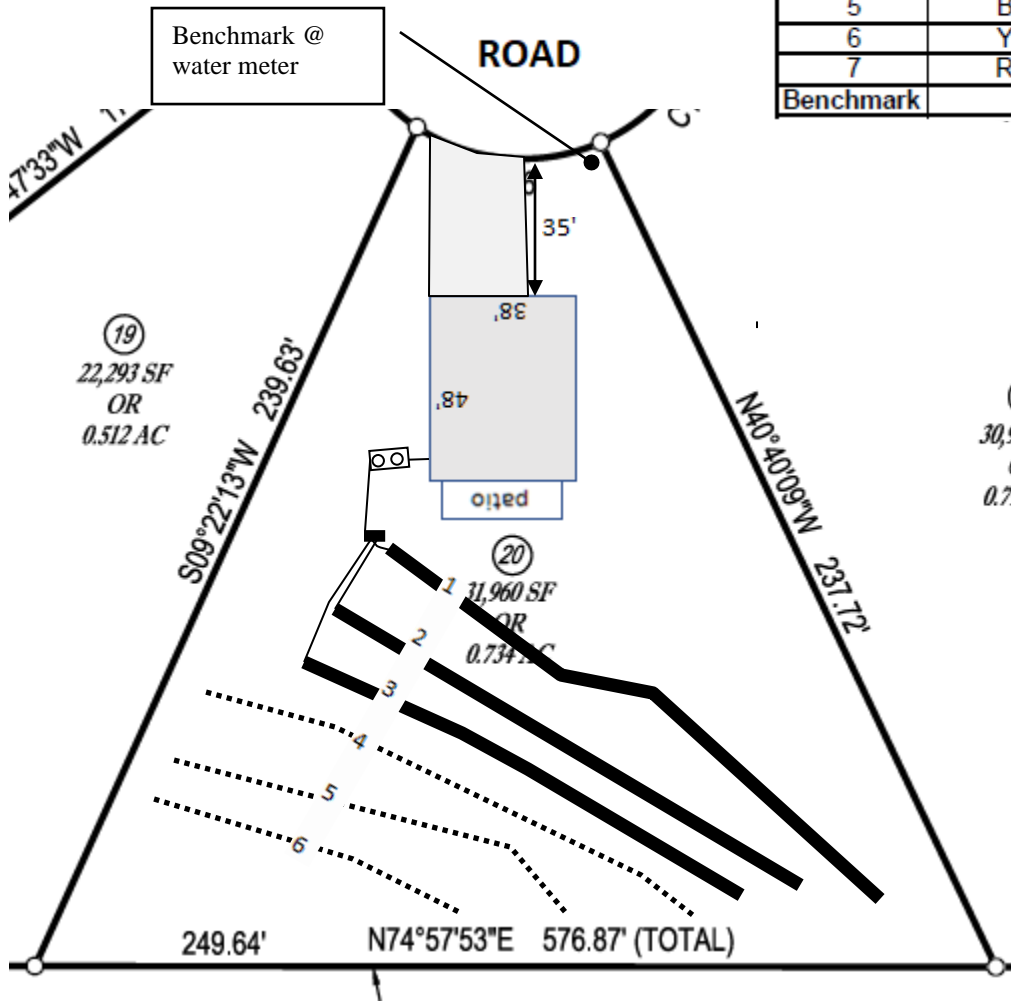
CHECKED BY MPG


SCALE 1" = 50'

Lot 20, Lafayette Meadows Subdivision

Lines flagged at site on 9-ft centers.

Line #	Color	Relative Elevation(ft)	Drainline Length(ft)
1	B	96.04	133
2	Y	95.65	133
3	R	95.28	133
4	W	94.92	134
5	B	94.49	110
6	Y	94.23	89
7	R	93.86	67
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 3 X 133ft  
 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 20**

**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)
4	W	94.92	134	1"sch 40	20.20	1.214	0.405
5	B	94.49	110	1"sch 80	16.80	1.230	0.410
6	Y	94.23	89	3/4"sch 40	12.50	1.131	0.377
7	R	93.86	67	3/4"sch 80	10.10	1.214	0.405

Total Drainline= 400      Total Flow= 59.60

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

Daily Flow= 480      Total Flow (gpm)= 59.60      Daily PRT(min)= 8.05

Dose Vol= 195.90 gallons w/ Pipe Vol @% 75      Dose PRT (min)= 3.29

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