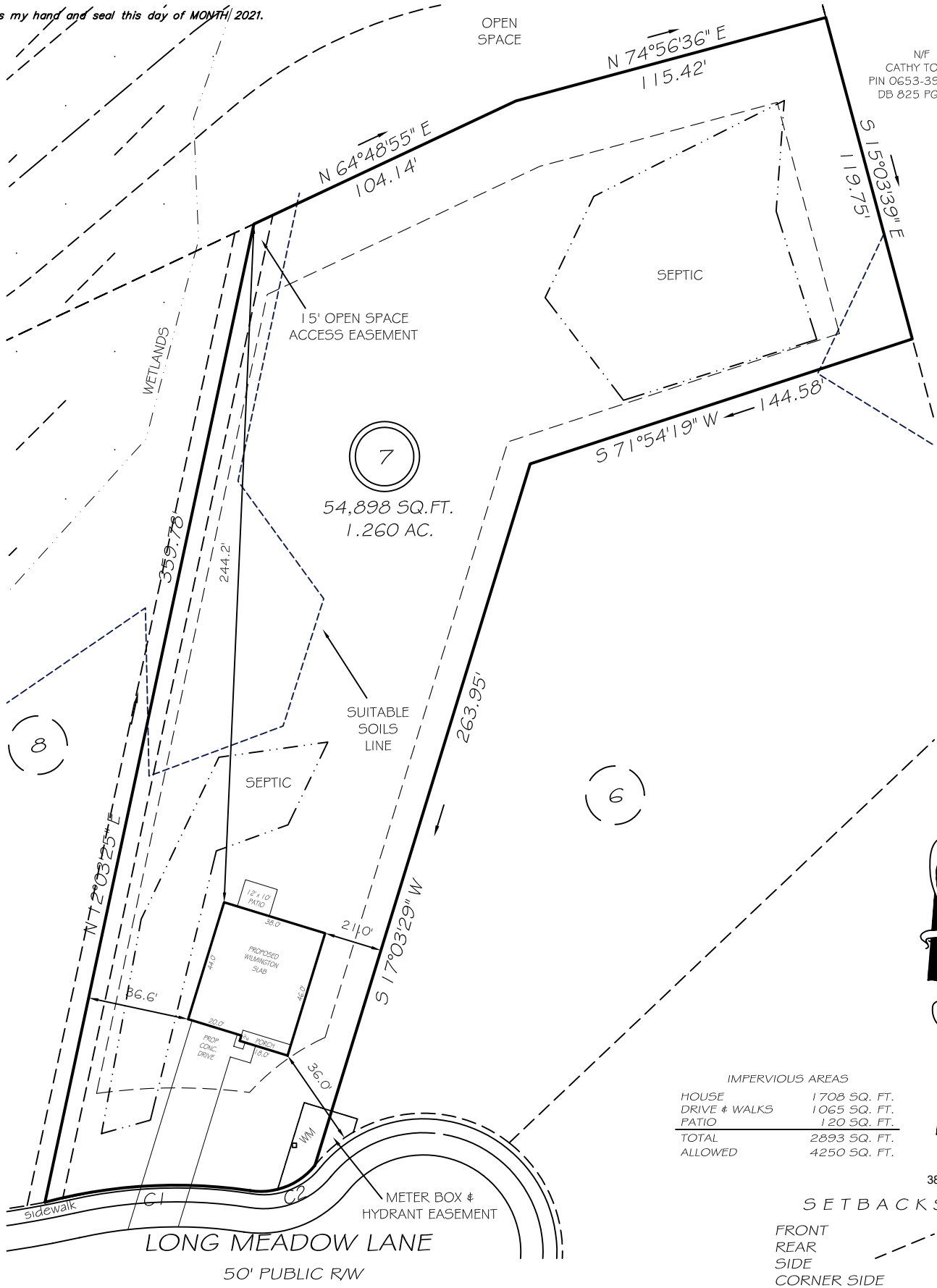


I, MICHAEL P. GRIFFIN, certify that under my direction and supervision this map was drawn from an actual field survey; that the error of closure of the survey as calculated by coordinates is 1: 10,000+; that the area shown hereon was calculated by coordinates.

Witness my hand and seal this day of MONTH 2021.

N/F  
CATHY TOLAR  
PIN OG53-39-5G15  
DB 825 PG 991



7  
54,898 SQ.FT.  
1.260 AC.

IMPERVIOUS AREAS

HOUSE	1708 SQ. FT.
DRIVE & WALKS	1065 SQ. FT.
PATIO	120 SQ. FT.
TOTAL	2893 SQ. FT.
ALLOWED	4250 SQ. FT.

SETBACKS

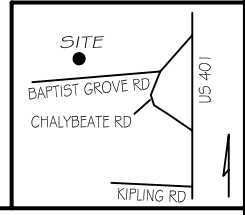
FRONT	35'
REAR	25'
SIDE	10'
CORNER SIDE	20'

C1R=175.00'L=65.01'S88°01'04"W 64.64' REVISION: LEFT & FORWARD 10/13/21  
C2 R=25.00'L=26.18'N68°39'38"E 25.00'

**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

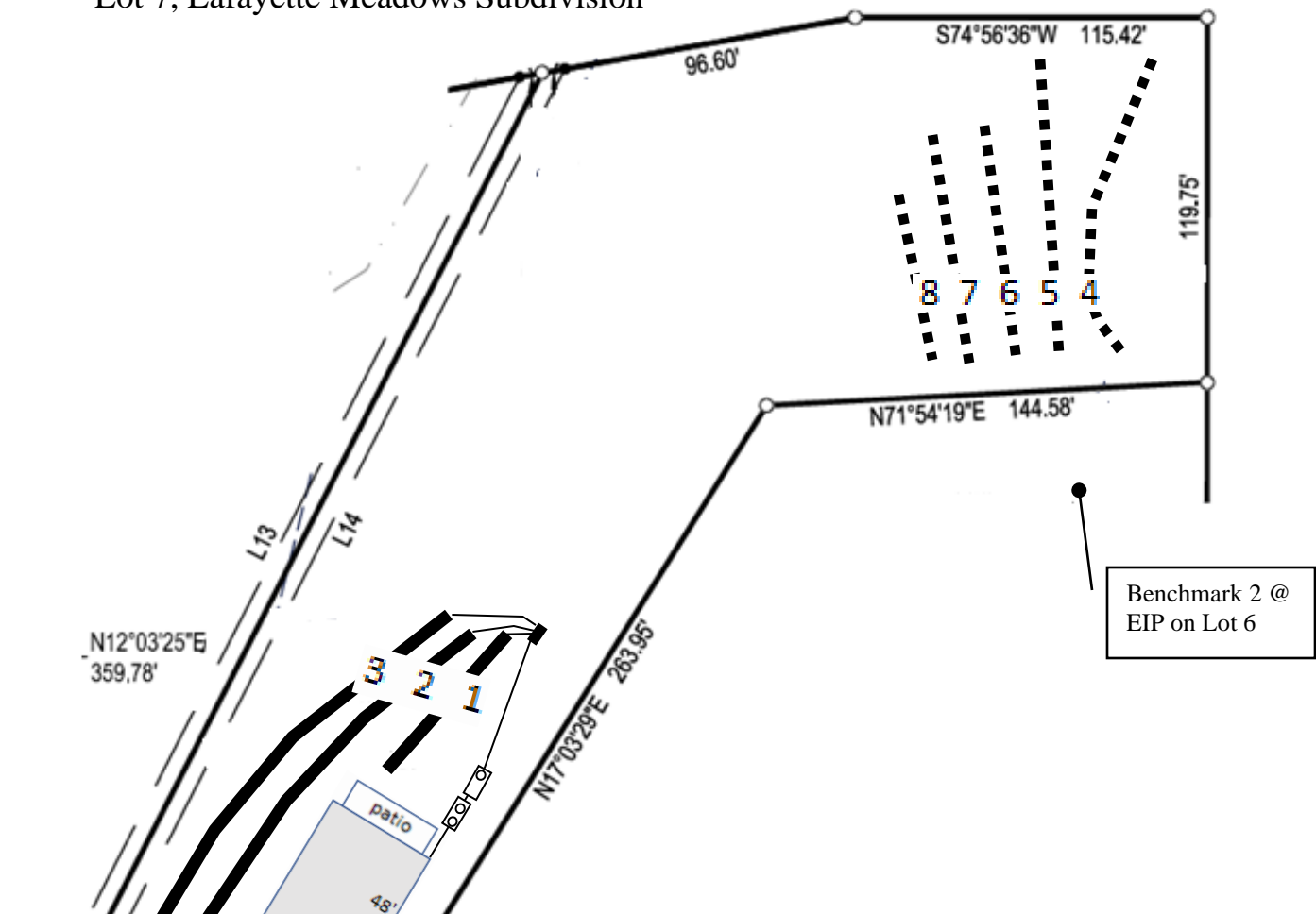


**GRiffin LAND SURVEYING, INC.**  
P.O. BOX 148  
FUQUAY-VARINA, NC 27526  
(919) - 567 - 1963

**PLOT PLAN**  
FOR  
**D. R. HORTON**  
**LAFAYETTE MEADOWS**  
**LOT 7**  
126 LONG MEADOW LANE  
NORTH CAROLINA  
HARNETT CO. HECTORS CREEK TWSHP

DRAWN BY <b>NMF</b>	DATE _____
CHECKED BY <b>MPG</b>	SCALE <b>1" = 50'</b>

Lot 7, Lafayette Meadows Subdivision




Lines flagged at site on 9-ft centers.

Line #	Color	Relative	Elevation	Relative	Drainline
		North (ft)	South (ft)		
1	B	98.62			90
2	R	98.29	97.97		155
3	Y	98.02	97.76		155
<b>Benchmark 1</b>		<b>100.00</b>	<b>100.00</b>		
4	Y			99.28	100
5	R			98.98	100
6	B			98.73	75
7	W			98.54	75
8	Y			98.28	55
<b>Benchmark 2</b>				<b>100.00</b>	

Benchmark 1 @ WM



Scale 1 in = 60 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  
 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  
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 7

### 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)
1	B	98.62	90	1/2"sch 40	7.11	1.181	0.394
2	R	98.29	155	3/4"sch 40	12.50	1.206	0.402
3	Y	98.02	155	3/4"sch 40	12.50	1.206	0.402

Total Drainline= 400      Total Flow= 32.11  
 Pressure Head (ft)= 2      Target LTAR\* (gpd/sf)= 0.4      LTAR + 5% 0.420  
 Daily Flow= 480      Total Flow (gpm)= 32.11      Daily PRT(min)= 14.95  
 Dose Vol= 195.90 gallons w/ Pipe Vol @% 75      Dose PRT (min)= 6.10

#### Repair System

Line Number	Line Color	Elevation	Drainline Length(ft)	Tap Size/Schedule	Flow/tap (gpm)	gpd/ft	LTAR (gpd/sqft)
4	Y	99.28	100	3/4"sch 80	10.10	1.215	0.405
5	R	98.98	100	3/4"sch 80	10.10	1.215	0.405
6	B	98.73	75	1/2"sch 40	7.11	1.140	0.380
7	W	98.6	75	1/2"sch 40	7.11	1.140	0.380
8	Y	98.28	55	1/2"sch 80	5.48	1.199	0.400

Total Drainline= 405      Total Flow= 39.90  
 Pressure Head (ft)= 2      Target LTAR\* (gpd/sf)= 0.4      LTAR + 5% 0.42  
 Daily Flow= 480      Total Flow (gpm)= 39.90      Daily PRT(min)= 12.03  
 Dose Vol= 198.35 gallons w/ Pipe Vol @% 75      Dose PRT (min)= 4.97

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