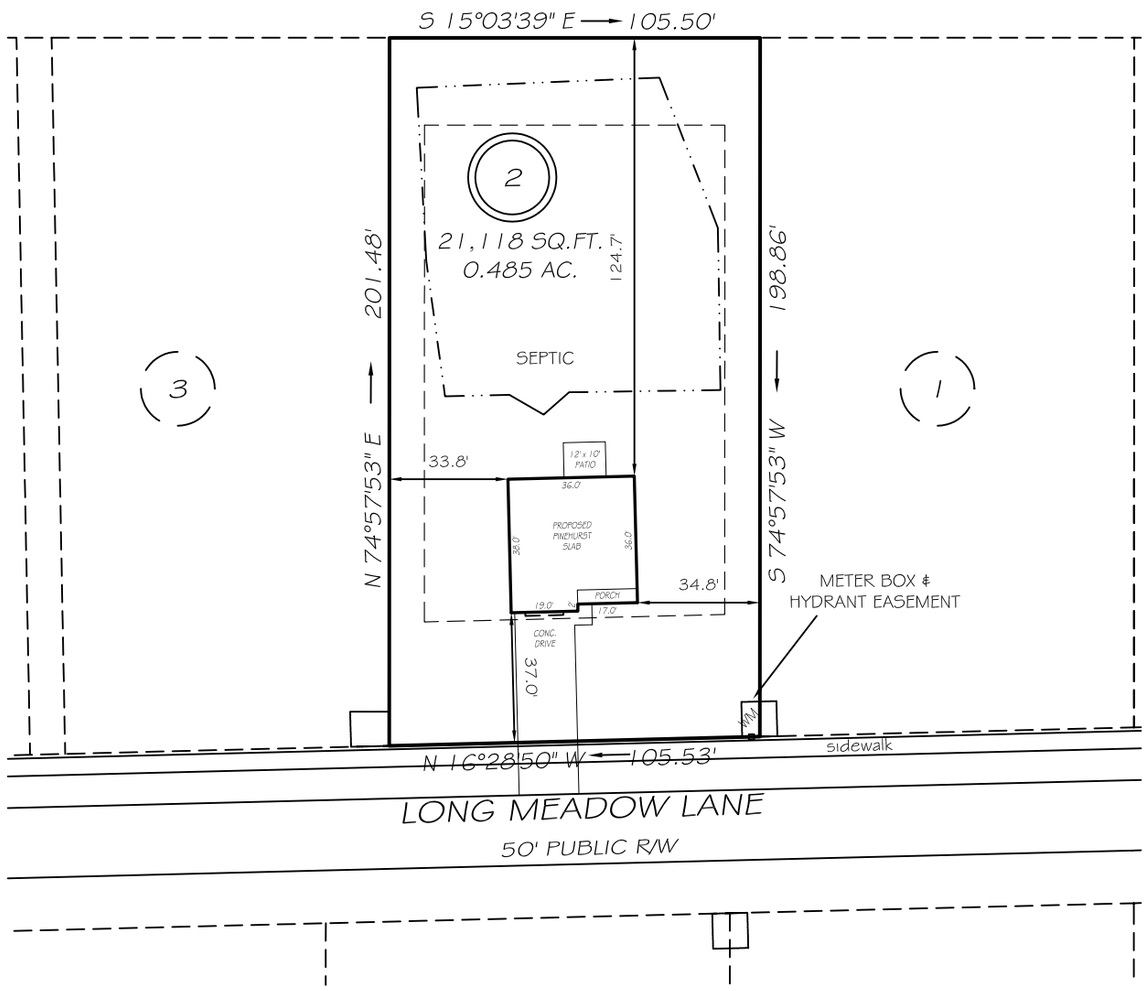
I, MICHAEL P. GRIFFIN , certify that under my direction and supervision this map was drawn from an actual field survey; that the error of closure of the survey as calculated by coordinates is 1: 10,000+ ; that the area shown hereon was calculated by coordinates.

Witness my hand and seal this day of MONTH 2021.

3894:0626
BM PAGE
HARNETT CO. REGISTRY

N/F
CATHY TOLAR
PIN 0653-39-5615
DB 825 PG 991




SETBACKS

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

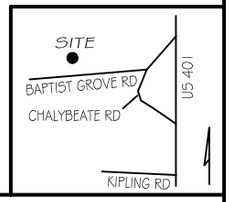
IMPERVIOUS AREAS

| | |
|---|---|
| HOUSE | 1334 SQ. FT. |
| DRIVE & WALKS | 657 SQ. FT. |
| PATIO | 120 SQ. FT. |
| TOTAL | 2111 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 |

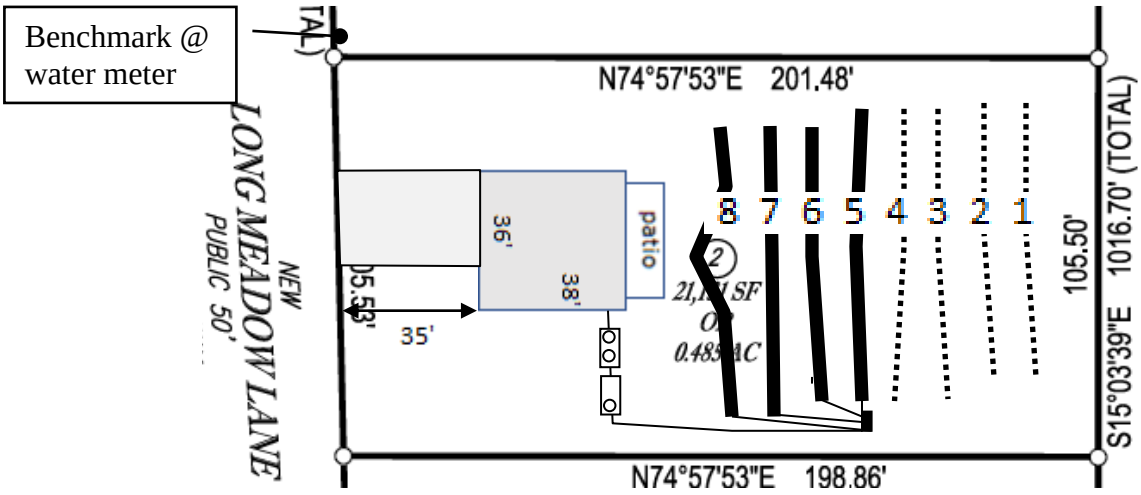



GRIFFIN LAND SURVEYING, INC.
P. O. BOX 148
FUQUAY-VARINA, NC 27526
(919) - 567 - 1963

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

PLOT PLAN
FOR
D. R. HORTON
LAFAYETTE MEADOWS
LOT 2
LONG MEADOW LANE
NORTH CAROLINA
HARNETT CO. HECTORS CREEK TWSHP

Lot 2, Lafayette Meadows Subdivision




Design Flow (gal/day) = 360
Lines flagged at site on 9-ft centers.

| Line # | Color | Relative North (ft) | Elevation South (ft) | Drainline Length(ft) |
|---|---|---|---|---|
| 1 | Y | 102.94 | 102.56 | 75 |
| 2 | B | 102.44 | 102.90 | 75 |
| 3 | W | 102.83 | 102.3 | 75 |
| 4 | R | 102.64 | 102.27 | 75 |
| 5 | Y | 102.27 | 102.48 | 75 |
| 6 | B | 101.94 | | 75 |
| 7 | W | 101.55 | | 75 |
| 8 | R | 101.27 | | 75 |
| **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.

3 bedroom home (360 gal/day)

Initial System

Pump to 4 X 75ft (pressure manifold distribution)
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 4 X 75ft (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 2

### 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) |
|---|---|---|---|---|---|---|---|
| 5 | Y | 102.27 | 75 | 1/2"sch 40 | 7.11 | 1.200 | 0.400 |
| 6 | B | 101.94 | 75 | 1/2"sch 40 | 7.11 | 1.200 | 0.400 |
| 7 | W | 101.55 | 75 | 1/2"sch 40 | 7.11 | 1.200 | 0.400 |
| 8 | R | 102.48 | 75 | 1/2"sch 40 | 7.11 | 1.200 | 0.400 |
| | | | | | | | |

Total Drainline= 300 Total Flow= 28.44

Pressure Head (ft)= 2 Target LTAR* (gpd/sf)= 4 LTAR + 5% 4.20

Daily Flow= 360 Total Flow (gpm)= 28.44 Daily PRT(min)= 12.66

Dose Vol= 146.93 gallons w/ Pipe Vol @% 75 Dose PRT (min)= 5.17

### Repair System

| Line Number | Line Color | Elevation | Drainline Length(ft) | Tap Size/ Schedule | Flow/tap (gpm) | gpd/ft | LTAR (gpd/sqft) |
|---|---|---|---|---|---|---|---|
| 1 | Y | 102.56 | 75 | 1/2"sch 40 | 7.11 | 1.200 | 0.400 |
| 2 | B | 102.90 | 75 | 1/2"sch 40 | 7.11 | 1.200 | 0.400 |
| 3 | W | 102.30 | 75 | 1/2"sch 40 | 7.11 | 1.200 | 0.400 |
| 4 | R | 102.27 | 75 | 1/2"sch 40 | 7.11 | 1.200 | 0.400 |
| | | | | | | | |

Total Drainline= 300 Total Flow= 28.44

Pressure Head (ft)= 2 Target LTAR* (gpd/sf)= 4 LTAR + 5% 4.20

Daily Flow= 360 Total Flow (gpm)= 28.44 Daily PRT(min)= 12.66

Dose Vol= 146.93 gallons w/ Pipe Vol @% 75 Dose PRT (min)= 5.17

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