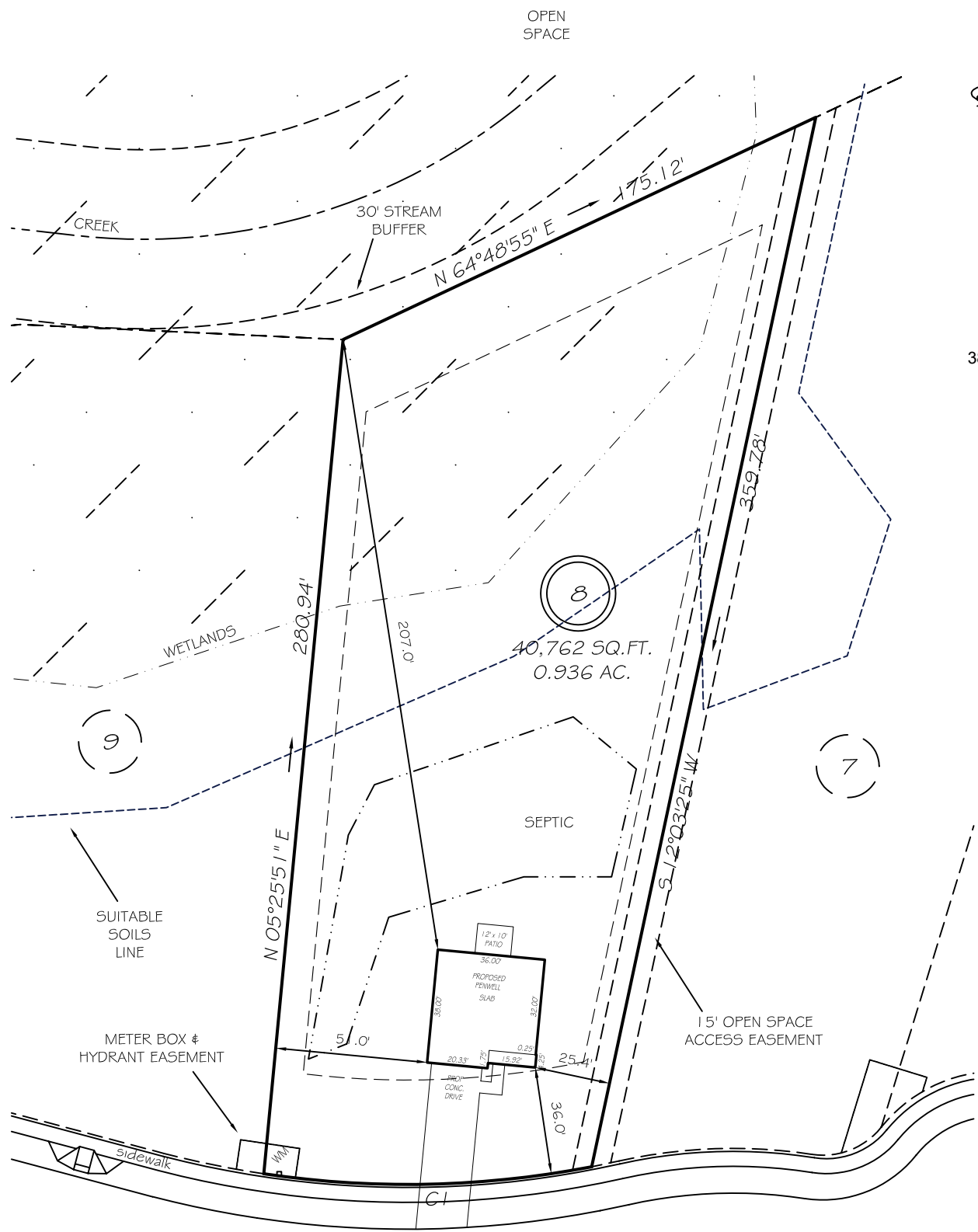


I, MICHAEL P. GRIFFIN, certify that under my direction and supervision this map was drawn from an actual field survey; that the error of closure of the survey as calculated by coordinates is 1: 10,000+; that the area shown hereon was calculated by coordinates.

Witness my hand and seal this day of MONTH 2021.

BM PAGE
 HARNETT CO. REGISTRY
 3894:0626



IMPERVIOUS AREAS

HOUSE	1342 SQ. FT.
DRIVE & WALKS	761 SQ. FT.
PATIO	120 SQ. FT.
TOTAL	2223 SQ. FT.
ALLOWED	4250 SQ. FT.

LONG MEADOW LANE
 50' PUBLIC R/W

SETBACKS

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

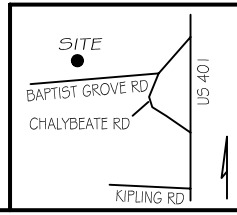
REVISION: 15' LEFT 10/13/21

CI R=325.00' L=110.47' N88°46'20"E 109.94'

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

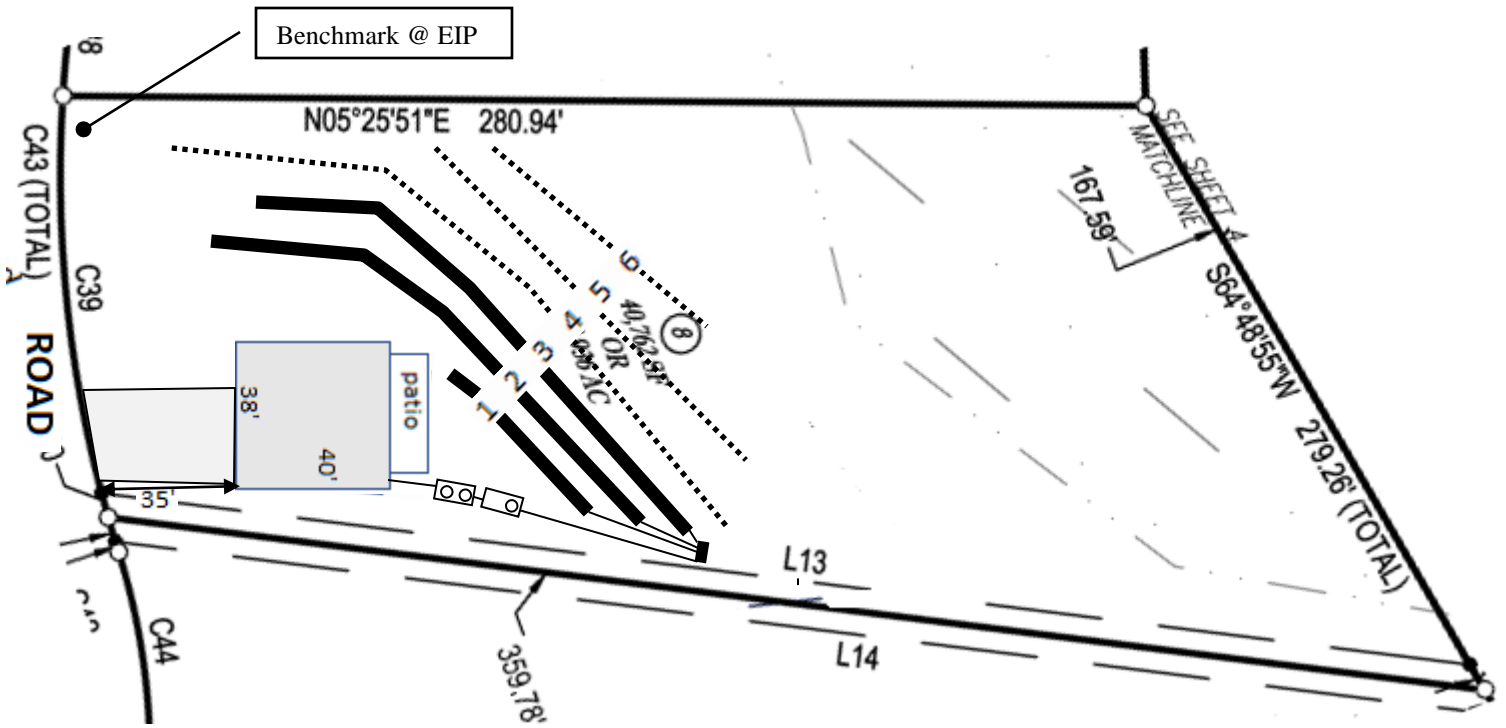


GRIFFIN LAND SURVEYING, INC.
 P.O. BOX 148
 FUQUAY-VARINA, NC 27526
 (919) - 567-1963

PLOT PLAN
 FOR
D. R. HORTON
LAFAYETTE MEADOWS
LOT 8
 144 LONG MEADOW LANE
 NORTH CAROLINA
 HARNETT CO. HECTORS CREEK TWSHP

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


Lot 8, Lafayette Meadows Subdivision



Lines flagged at site on 9-ft centers.

Line #	Color	Relative	Elevation	Drainline Length(ft)
		west (ft)	east (ft)	
1	W	97.78	97.53	50
2	Y	97.63	97.42	150
3	R	96.92	97.12	150
4	B	96.97	96.67	164
5	W	96.9	96.49	106
6	Y		96.08	73
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
 Pump to 350ft (pressure manifold distribution)
 Accepted Status System (25% reduction drainlines)
 installed off contour at 18-24 inch trench depth
 LTAR 0.35 gal/day/sqft
Repair System
 Pump to 343ft (pressure manifold distribution)
 Accepted Status System (25% reduction drainlines)
 installed off contour at 18-24 inch trench depth
 LTAR 0.35 gal/day/sqft

Lafayette Meadows Lot 8

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	W	97.53	50	1/2"sch 80	5.48	1.367	0.456
2	Y	97.42	150	3/4"sch 40	16.50	1.372	0.457
3	R	97.12	150	3/4"sch 40	16.50	1.372	0.457

Total Drainline= 350 Total Flow= 38.48

Pressure Head (ft)= 2 Target LTAR* (gpd/sf)= 0.47 LTAR + 5% 0.490

Daily Flow= 480 Total Flow (gpm)= 38.48 Daily PRT(min)= 12.47

Dose Vol= 171.41 gallons w/ Pipe Vol @% 75 Dose PRT (min)= 4.45

Repair System

Line Number	Line Color	Elevation	Drainline Length(ft)	Tap Size/Schedule	Flow/tap (gpm)	gpd/ft	LTAR (gpd/sqft)
4	B	96.67	164	1"sch 80	16.80	1.446	0.482
5	W	96.49	106	1/2"sch 40	10.10	1.345	0.448
6	Y	96.08	73	1/2"sch 40	7.11	1.375	0.458

Total Drainline= 343 Total Flow= 34.01

Pressure Head (ft)= 2 Target LTAR* (gpd/sf)= 0.47 LTAR + 5% 0.490

Daily Flow= 480 Total Flow (gpm)= 34.01 Daily PRT(min)= 14.11

Dose Vol= 167.98 gallons w/ Pipe Vol @% 75 Dose PRT (min)= 4.94

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