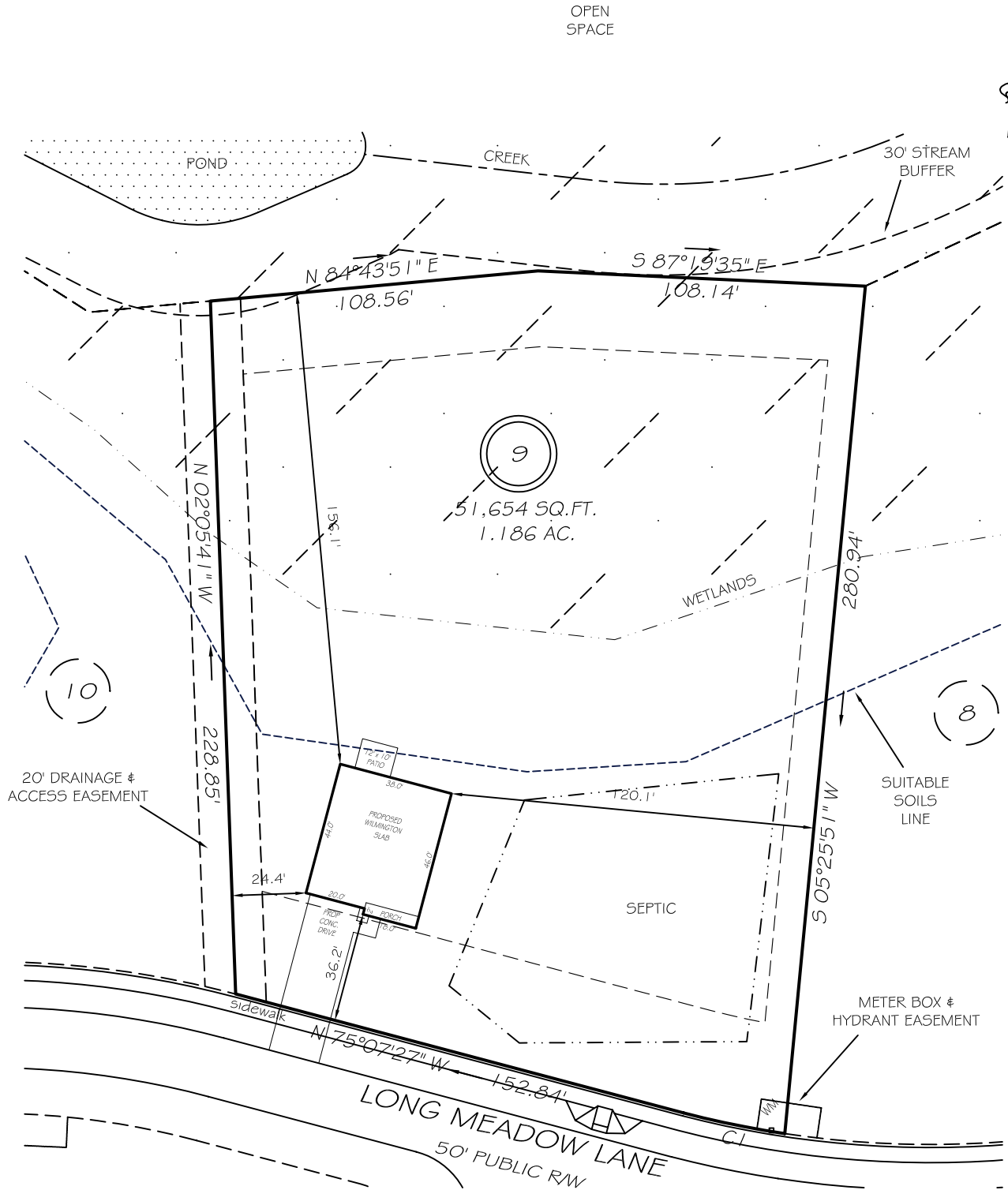


I, MICHAEL P. GRIFFIN, certify that under my direction and supervision this map was drawn from an actual field survey; that the error of closure of the survey as calculated by coordinates is 1: 10,000+; that the area shown hereon was calculated by coordinates.

Witness my hand and seal this day of MONTH 2021.



BM PAGE
 HARNETT CO. REGISTRY
 3894:0626

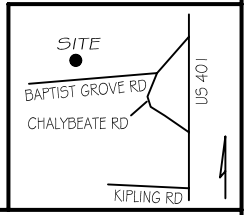
IMPERVIOUS AREAS HOUSE 1708 SQ. FT. DRIVE & WALKS 690 SQ. FT. PATIO 120 SQ. FT. <hr/> TOTAL 2518 SQ. FT. ALLOWED 4250 SQ. FT.		SETBACKS FRONT 35' REAR 25' SIDE 10' CORNER SIDE 20'
---	--	---

CI R=325.00' L=34.13' S78°28'53"E 34.12'

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 9

LONG MEADOW LANE

NORTH CAROLINA

HARNETT CO. HECTORS CREEK TWSHP

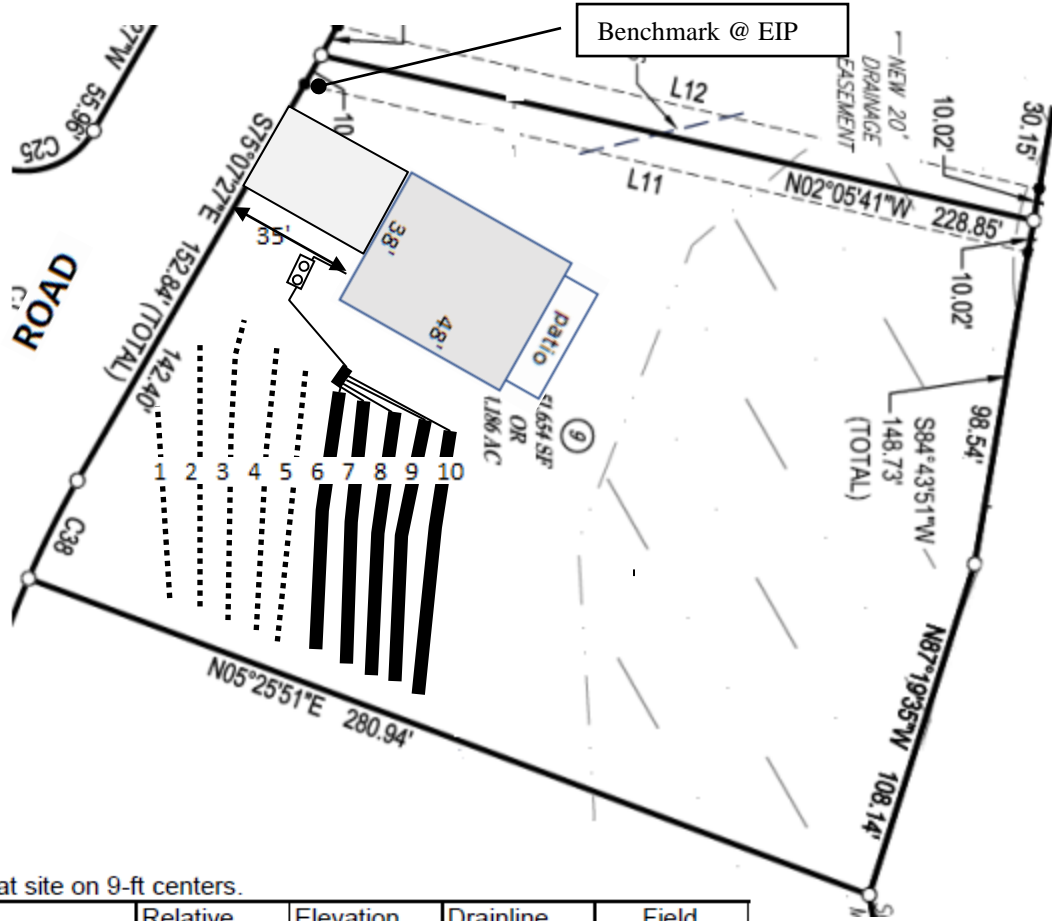
DRAWN BY NMF

DATE _____ DATE _____

CHECKED BY MPG

SCALE **1" = 50'**


Lot 9, Lafayette Meadows Subdivision



Lines flagged at site on 9-ft centers.

Line #	Color	Relative East (ft)	Elevation West (ft)	Drainline Length(ft)	Field Lengths(ft)
1	Y	96.72	96.53	61	61
2	R	96.71	96.40	84	84
3	B	96.73	96.23	83	83
4	W	96.40	96.11	87	87
5	Y	96.29	96.02	85	85
6	R	96.29	95.82	80	86
7	B	96.06	95.86	80	86
8	W	95.68	95.28	80	84
9	Y	95.40	95.25	80	84
10	R	95.39	95.13	80	80
Benchmark		100.00			



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
 Gravity 5 X 80ft
 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 off contour at 18-24 inch trench depth
 LTAR 0.3 gal/day/sqft

Lafayette Meadows Lot 9

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)
1	Y	96.72	61	1/2"sch 40	7.11	1.178	0.393
2	R	96.71	84	3/4"sch 80	10.10	1.215	0.405
3	B	96.73	83	3/4"sch 80	10.10	1.229	0.410
4	W	96.4	87	3/4"sch 80	10.10	1.173	0.391
5	Y	96.29	85	3/4"sch 80	10.10	1.200	0.400

Total Drainline= 400 Total Flow= 47.51

Pressure Head (ft)= 2 Target LTAR* (gpd/sf)= 0.4 LTAR + 5% 0.420

Daily Flow= 480 Total Flow (gpm)= 47.51 Daily PRT(min)= 10.10

Dose Vol= 195.90 gallons w/ Pipe Vol @% 75 Dose PRT (min)= 4.12