Harnett County Department of Public Health Improvement Permit

A building permit cannot be issued with only an Improvement Permit

DD Harten Inc	PROPERTY LOCATION: 188 Long Meadow Ln. (Baptist Grove Rd.
ISSUED TO: D.R. Horton Inc.	SUBDIVISION Lafayette Meadows Site Improvements required prior to Construction Authorization Issuance:
NEW REPAIR EXPANSION Type of Structure: 46x38 (4bed/2.5) SFD	site improvements required prior to construction Authorization issuance.
Proposed Wastewater System Type: 25% Reduction Sys.	
Projected Daily Flow: 480 GPD	
Number of bedrooms: 4 Number of Occupants: 8	max
Basement Yes No	
Pump Required: Yes ☐ No ☐ May be required based on final I	ocation and elevations of facilities
Type of Water Supply: Community Public Well Distant	nce from well NAfeet Permit valid for: Yer years No expiration
Permit conditions:	——————————————————————————————————————
Authorized State Agent::	Date: 11/22/2021 SEE ATTACHED SITE SKETCH
The issuance of this permit by the Health Department in no way guarantees the issuance of other	er permits. The permit holder is responsible for checking with appropriate governing bodies in meeting their requirements. This
site is subject to revocation if the site plan, plat, or the intended use changes. The Improvement the Laws and Rules for Sewage Treatment and Disposal and to conditions of this permit.	Permit shall not be affected by a change in ownership of the site. This permit is subject to compliance with the provisions of
the Laws and rules for sewage treatment and orsposal and to conditions of this permit.	
Consti	ruction Authorization
	quired for Building Permit)
	. 1958. and .1959 are incorporated by references into this permit and shall be met. Systems shall be installed in accordance
with the attached system layout.	
ISSUED TO: D.R. Horton Inc.	PROPERTY LOCATION: 188 Long Meadow Ln. (Baptist Grove Re
	SUBDIVISION Lafayette Meadows LOT # 9
Facility Type: 46x38 (4bed/2.5) SFD New	☐ Expansion ☐ Repair
Basement? Yes No Basement Fixtures? Yes	□ No
Type of Wastewater System** 25% Reduction System	(Initial) Wastewater Flow: 480 GPD
(See note below, if applicable)	
Pump to 25% Reduction	on System (Repair)
Installation Requirements/Conditions Number of trend	
	each trench 80feet Trench Spacing: 9 Feet on Center
255 May 27 125 May 27	
	e installed on contour at a Soil Cover: 6-12inches
	h Depth of: 18-24 inches (Maximum soil cover shall not exceed
Maximum Trenci	e installed on contour at a Soil Cover: 6-12inches
Maximum Trenci	shall be level to +/-1/4" Soil Cover: 6-12inches (Maximum soil cover shall not exceed 36" above the trench bottom)
Maximum Trenci (Trench bottoms	Soil Cover: 6-12inches h Depth of: 18-24inches shall be level to +/-1/4" NAinches below pipe
Maximum Trenci (Trench bottoms in all directions Pump Requirements:ft. TDH vsGPM	Soil Cover: 6-12inches h Depth of: 18-24inches shall be level to +/-1/4" Soil Cover: 6-12inches (Maximum soil cover shall not exceed 36" above the trench bottom) NAinches below pipe Aggregate Depth: NAinches above pipe
Maximum Trenci (Trench bottoms in all directions	Soil Cover: 6-12inches h Depth of: 18-24inches shall be level to +/-1/4" NAinches below pipe
Maximum Trench (Trench bottoms in all directions Pump Requirements:ft. TDH vsGPM Conditions: Proposal by Hal Owens Assoc. Inc.	Soil Cover: 6-12inches h Depth of: 18-24inches shall be level to +/-1/4" Aggregate Depth: NAinches above pipe NAinches total
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Harnett County Department of Public Health Site Sketch

ANDRED CURIN AN	_ Lot # 9		n: 188 Long Meadow Ln. (Baptist Grove Rd SR 1427) Horton Inc. Subdivision Lafayette Meadows	ssued To: D.R. Horton Inc.
# PROPOSAL BY HAL OWERS & ASSOCIATED INC. # GRAVITY ON POMP TO D-BOX EQUAL DISTRIBUTION LA REVIEW PAZ-INSTACL - STS. FLAGGED ONSITE 108.56 108.14 108.56 108.14 108.56 108.14 108.56 108.14 108.56 108.14 108.56 108.14 108.56 108.14 108.56 108.14 108.56 108.14 108.56 108.14 108.56	22/2021	oate:		uthorized State Agent:
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This drawing is for illustrative purposes only. System installation must meet all pertinent laws, rules, and regulations.

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Lot 9, Lafayette Meadows Subdivision

Lines flagged at site on 9-ft centers.

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



Scale 1 in = 60 ft

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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	В	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

Pressure		Total Drainline= 400	l otal Flow=_	47.51	
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