IREDELL COUNTY HEALTH DEPARTMENT

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # 209152

IMPROVEMENT PERMIT / AUTHORIZATION TO CONSTRUCT / OPERATION PERMIT / EXISTING SYSTEM

PIN # 4649-04-1732

APPLICANT: Meritage Homes APPLICANT ADDRESS: 11605 N. Community Rd. Charlotte, NC 28217

SITE ADDRESS: 104 N. San Agustin Dr. - Mooresville PHONE: 704-944-8900 ALT. PHONE: 704-650-8616

SITE DIRECTIONS: Pearth Rd North from Rt 150 → TL onto Bells Crossing Drive → TR on N San Agustin Dr → First Lot on Right (corner)

SUBDIVISION: Bells Crossing SECTION: 1 LOT # 15 LOT AREA: 0.95 acres DESIGN FLOW: 480 gallons/day L.T.A.R.: 0.30

Septic Tank 1000 (gal) STB 760 Date 5-10-16
Pump Tank 1000 (gal) PT 353 Date 5-3-16
Pump Make Zoeller 153 Model BN153-B Serial # 153-005
Nitrification Fields 1 # Lines 4 Linear Ft: 400
Trench Width 36" Max. Trench Bottom Depth 36" Gravel Depth —

☒ New System ☐ Repair ☐ Expansion System Type: I II (III) IV V VI
System Description: Pressure Manifold - 25% Reduction
Repair System Description: 25% Reduction
Maintenance Agreement Required: ☐ YES ☒ NO
☐ GRAVITY ☒ PRESSURE

☒ Residence ☐ Business ☐ Other ☒ Slab ☐ Basement w/plumbing
No. Bedrooms 4 No. Persons 8 No. Employees — ☐ Crawl Space ☐ Basement w/o plumbing

Water Supply: ☐ Private ☐ Public ☒ Community

Comments / Conditions: During a site visit on 2-17-16 and noted the house pad staked ≈35 feet from proposed location. Strongly recommend applicant coordinate with the surveyor to ensure that the house is constructed in the permitted location. Recommend installing/drilling a 3/16" vent hole in the force main/pump line below the check valve to prevent air locking. Recommend pumping septic tank + pump tank every 3-5 years.

INITIAL SITE SKETCH

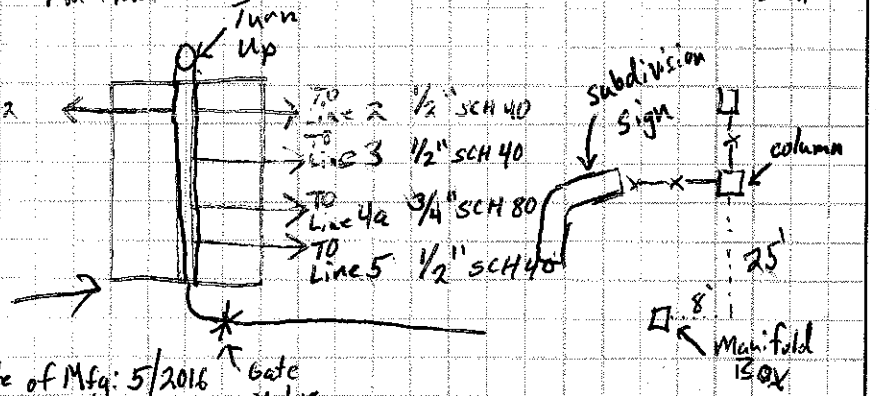
See plans from Bateman Civil Survey Company

Submitted 2-3-16
Revised: 2-18-16 + 2-19-16
Approved: 2-22-16

AS BUILT SKETCH

7/22/16 Checked tanks & Upper 3 lines. JLD

7/25/16 Lowest line 18 chambers + end caps Level ok
Manifold: 36" install



Pump Date of Mfg: 5/2016
60 Hz
8" between on/off floats } All ≈ 5' tether
10" between on/alarm float
7/27/16: Electrical ok. (sealed) Breakers ok.

Permit can be suspended or revoked if any false information is supplied toward securing the permit / any unauthorized changes are made to the site / any unauthorized changes are made in the installation of the system. **CONTACT A LOCATOR SERVICE PRIOR TO ANY EXCAVATION**

☐ **IMPROVEMENT PERMIT** *with plat valid without expiration.* ☒ **IMPROVEMENT PERMIT** *with site plan valid for 60 mos.* ☒ **AUTHORIZATION TO CONSTRUCT** *valid for period equal to IMPROVEMENT PERMIT--not to exceed 60 mo.*

Owner / Applicant Signature: [signature] Date: 2-29-16 Installed by: Carolina Pipe
IMPROVEMENT PERMIT by: Tom Shuck Date: 2-22-16 OPERATION PERMIT by: Tom Shuck Date: 7-27-16
AUTHORIZATION TO CONSTRUCT by: Tom Shuck Date: 2-22-16 Existing System Inspected by: Date:

Health Dept. Copy - WHITE Applicant (Final Approval) - YELLOW Applicant (Conditional Approval) - PINK

LINE SCHEDULE

LINE NUMBER	COLOR	FIELD SHOT	FIELD LENGTH (FT)	DESIGN LENGTH (FT)
1	YELLOW	1.5	100	
2	BLUE	2.6	155	150 ✓
3	WHITE	3.2	75	75
4A	ORANGE	3.8	100	100
4B	ORANGE	3.8	130	
5	PINK	4.7	84	75
6	RED	5.1	210	
7A	YELLOW	5.7	59	
7B	YELLOW	5.7	83	
8A	BLUE	6.5	27	
8B	BLUE	6.5	70	
	PUMP TANK	9.5		

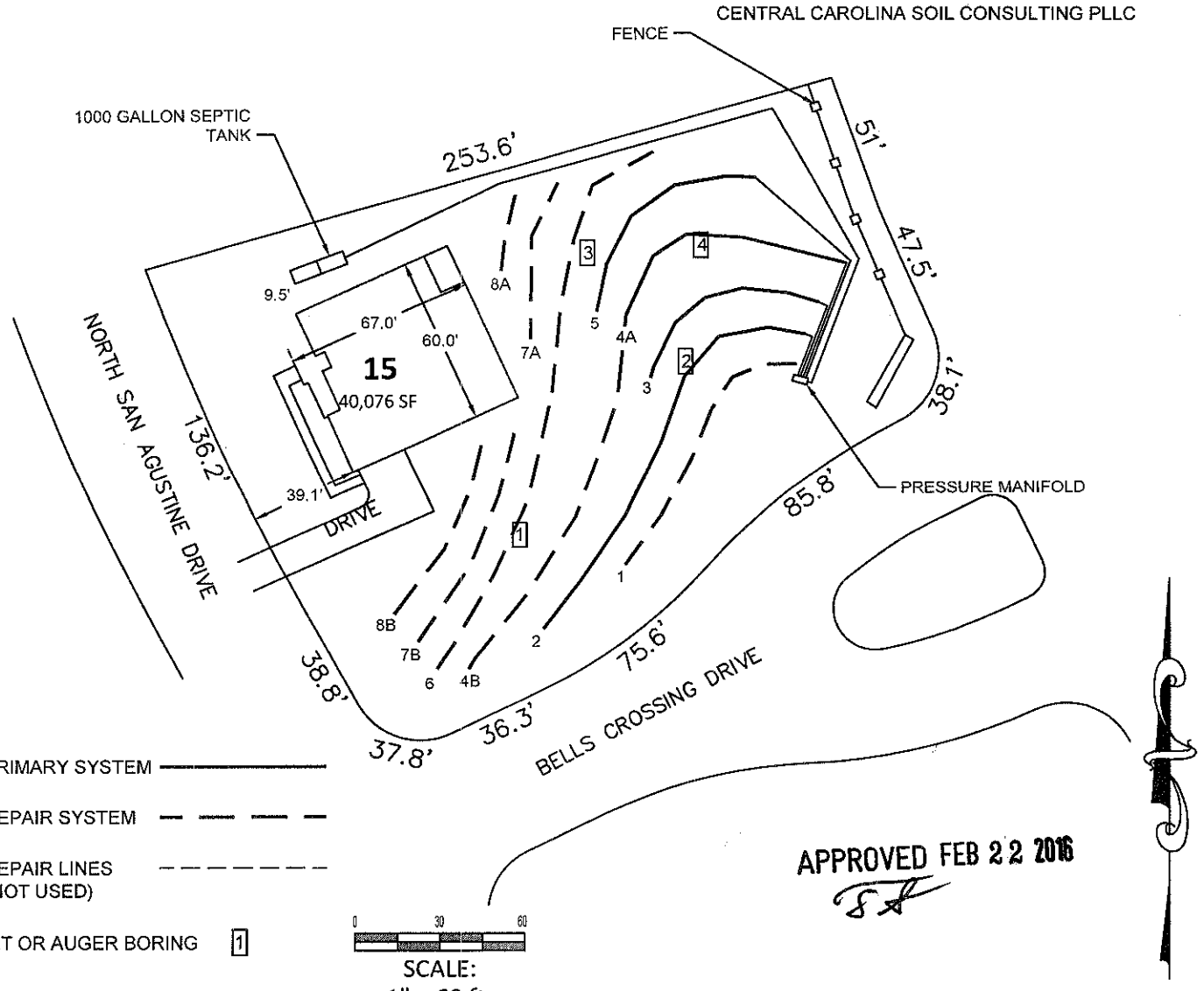
LOT 15 BELLS CROSSING SUBDIVISION

4-BEDROOM PRESSURE MANIFOLD SYSTEM
LINES 2-4A & 5 TOTAL 400 LINEAR FEET
EZFLOW OR CHAMBER
LTAR 0.3
25% REDUCTION
36" TRENCH DEPTH

4-BEDROOM PRESSURE MANIFOLD REPAIR
LINES 1, 4B & 6-8B 679 TOTAL LINEAR FEET
LTAR 0.3
25% REDUCTION
36" TRENCH DEPTH

FOR GENERAL USE NOT A SURVEY
PRELIMINARY NOT FOR CONSTRUCTION

SOIL PROFILES AND ANALYSIS PROVIDED BY
CENTRAL CAROLINA SOIL CONSULTING PLLC



APPROVED FEB 22 2016

Bateman Civil Survey Company
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200 N. Main Street, Holly Springs, NC 27540 Ph: 919.577.1080 Fax: 919.577.1081
www.batemancivilsurvey.com info@batemancivilsurvey.com
NCBELS Firm No. C-2378

MeritageHomes

LOT 15
BELLS CROSSING SUBDIVISION
MOORESVILLE, NC
IREDELL COUNTY
REVISED 02/18/16
DATE: 3/12/15 DRAWN BY MDB CHECKED BY: TMB