IREDELL COUNTY HEALTH DEPARTMENT

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # 201782

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

PIN # 4649-03-4454

APPLICANT: Meritage Homes APPLICANT ADDRESS: 11605 N. Community Rd # 250 Charlotte, NC

SITE ADDRESS: 159 S San Agustin Dr. Mooresville, NC PHONE: 704-658-8616 ALT. PHONE:

SITE DIRECTIONS: Perth Rd North from Rt 150 → Left on Bells Crossing Dr → Left on S. San Agustin Dr → House on Left

SUBDIVISION: Bells Crossing SECTION: 3 LOT # 4 LOT AREA: 0.717 DESIGN FLOW: 480 gal/day L.T.A.R.: 0.25

Septic Tank	1000 (top seam) (gal)	STB		Date		☒ New System ☐ Repair ☐ Expansion	System Type: I II (III) IV V VI	☒ Residence	No. Bedrooms 4	Water Supply
Pump Tank	1000 (top seam) (gal)	PT	363	Date	[no date]	System Description:	25% Reduction : Pressure Manifold	☐ Business	No. Persons 8	☐ Private
Pump Make	Zoeller	Model	BN140-F	Serial #		Repair System Description:	RPBPS (50% reduction)	☐ Other	No. Employees	☐ Public
# Nitrification Fields	1	# Lines	6	Linear Ft:	480	Maintenance Agreement Required:	☐ YES ☒ NO	☒ Slab	☐ Crawl Space	☒ Community
Trench Width	36"	Max. Trench Bottom Depth	36"	Gravel Depth			☐ GRAVITY ☒ PRESSURE	☐ Basement w/plumbing		☐ Basement w/o plumbing

Comments / Conditions: Follow amended system location sketch w/ grading requirements. Tanks used must be top-seam tanks. Recommend pumping septic tank every 3-5 years. No down-spout/gutter drains are to be directed toward septic/pump tanks + water must be directed away from both tanks using appropriate grading methods. Elapsed time meter + event (cycle) counter are REQUIRED on the control panel.

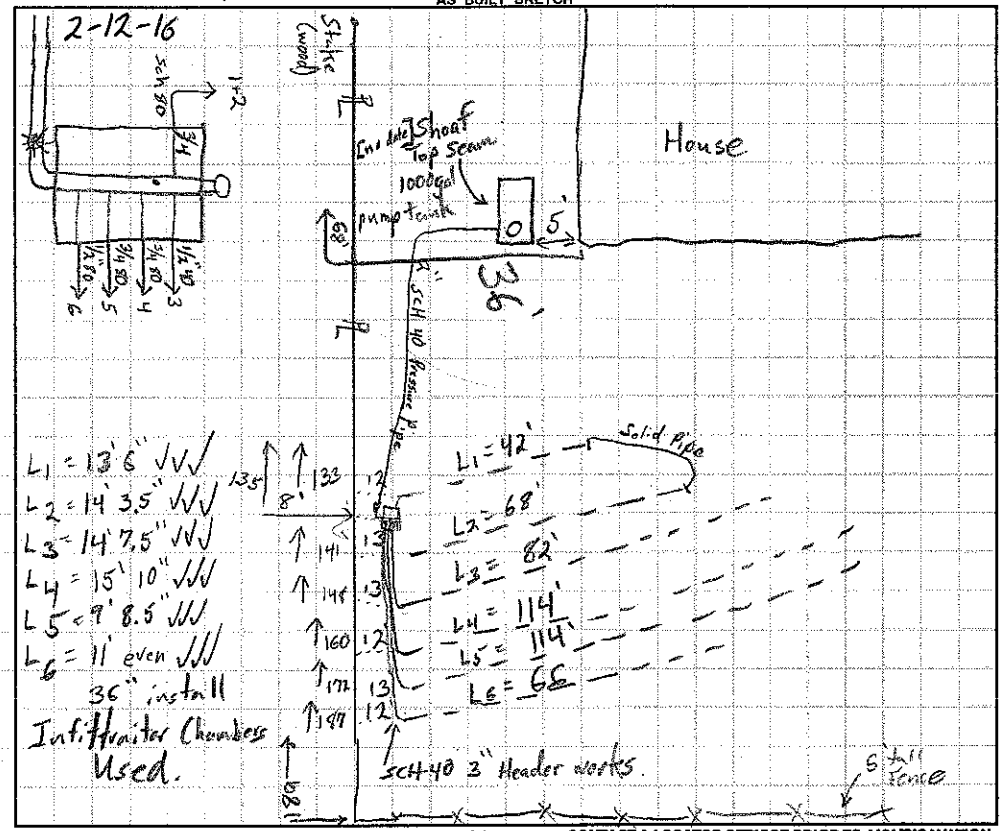
INITIAL SITE SKETCH

See attached plan from Matt Burdette of Bateman Civil Survey Company, PC

Dated: 1-7-16
Amended: 2-2-16
Approved: 2-5-16

	Date	Initials
Drain Lines Checked	2/12/16	
Tanks Checked pump tank 2/12/16		
Pressure Manifold or Valve Box Checked		
Pressure Head Set	3/9/16	
Electrical Checked		
Floats Set		
Alarm Checked		
Maintenance Contract Y / N		

AS BUILT SKETCH



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: 2-8-16 Installed by: Carolina Pipe Cleaning

IMPROVEMENT PERMIT by: Tom Shuck Date: 2-5-16 OPERATION PERMIT by: Marian H. Nelson RS Date: 3/9/16

AUTHORIZATION TO CONSTRUCT by: Tom Shuck Date: 2-5-16 Existing System Inspected by: Date:

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

LINE SCHEDULE

LINE NUMBER	COLOR	FIELD ELEVATION	LENGTH (FT)	DESIGN LENGTH
1	RED	2.6	43	43
2	PINK	3.1	69	69
3	BLUE	4.1	97	80
4	ORANGE	5.1	133	112
5	BLUE	6.4	125	112
6A	YELLOW	8.6	70	64
6B	YELLOW	8.6	50	
7	PINK	9.4	99	
8	RED	10.7	89	
9	BLUE	12.0	63	
10	YELLOW	12.6	39	

LOT 4 BELLS CROSSING SUBDIVISION

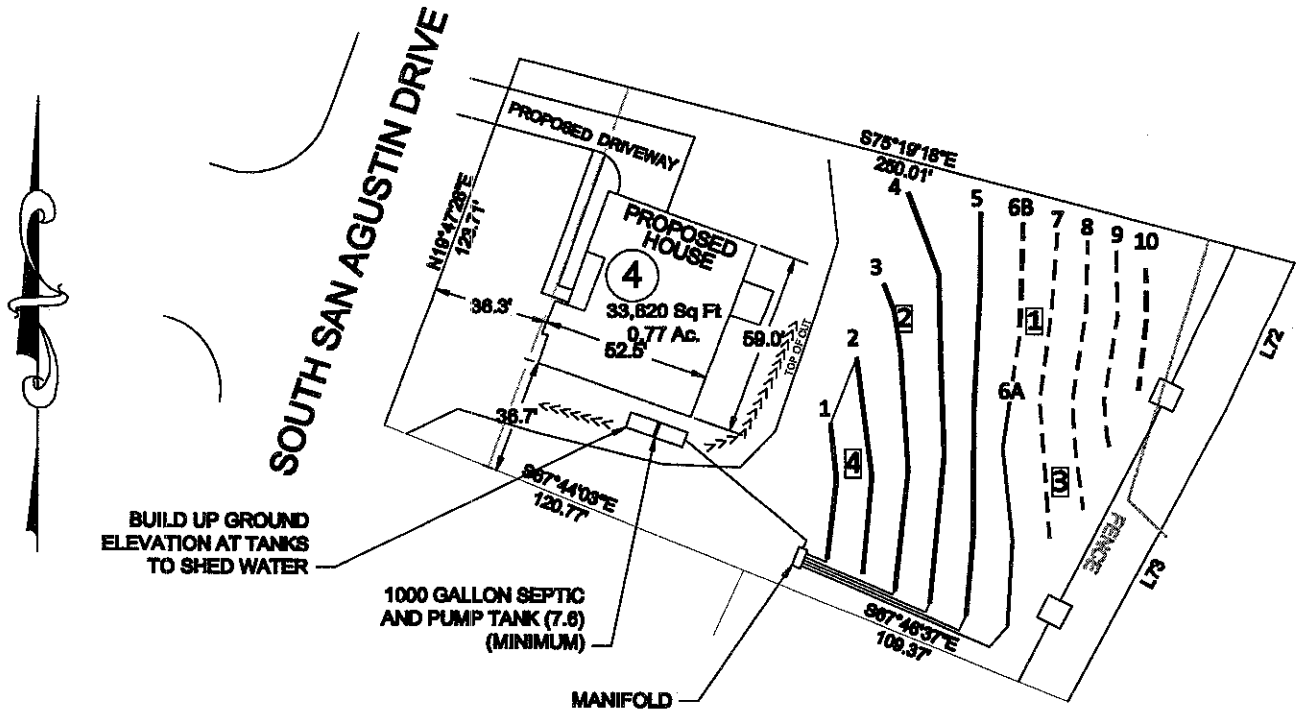
4-BEDROOM PRESSURE MANIFOLD SYSTEM
LINES 1-6A TOTAL 537 LINEAR FEET (USE 480)
EZFLOW OR CHAMBER
LTAR 0.25
25%REDUCTION
36" TRENCH DEPTH

4-BEDROOM LPP FED PANEL BLOCK REPAIR
LINES 6B-10 TOTAL 340 LINEAR FEET
LTAR 0.25
50% REDUCTION

FOR GENERAL USE NOT A SURVEY
PRELIMINARY NOT FOR CONSTRUCTION

SOIL PROFILES AND ANALYSIS PROVIDED BY
PRICE ENVIRONMENTAL RESOURCE CONSULTING, PC

APPROVED FEB - 5 2016



1 PIT OR AUGER BORING

PRIMARY LINES

REPAIR LINES

ADDITIONAL REPAIR LINES

0 30 60

SCALE:
1" = 60 ft.

Bateman Civil Survey Company
Engineers • Surveyors • Planners
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-0578

MeritageHomes

LOT 4
BELLS CROSSING SUBDIVISION
MOORESVILLE, NC
IREDELL COUNTY
REVISED 01/29/16
DATE: 01/01/15 DRAWN BY MB CHECKED BY: TMB

LINE SCHEDULE

LINE NUMBER	COLOR	FIELD ELEVATION	LENGTH (FT)	DESIGN LENGTH
1	RED	2.6	43	43
2	PINK	3.1	69	69
3	BLUE	4.1	97	80
4	ORANGE	5.1	133	112
5	BLUE	6.4	125	112
6A	YELLOW	8.8	70	64
6B	YELLOW	8.6	50	
7	PINK	9.4	99	
8	RED	10.7	89	
9	BLUE	12.0	83	
10	YELLOW	12.6	39	

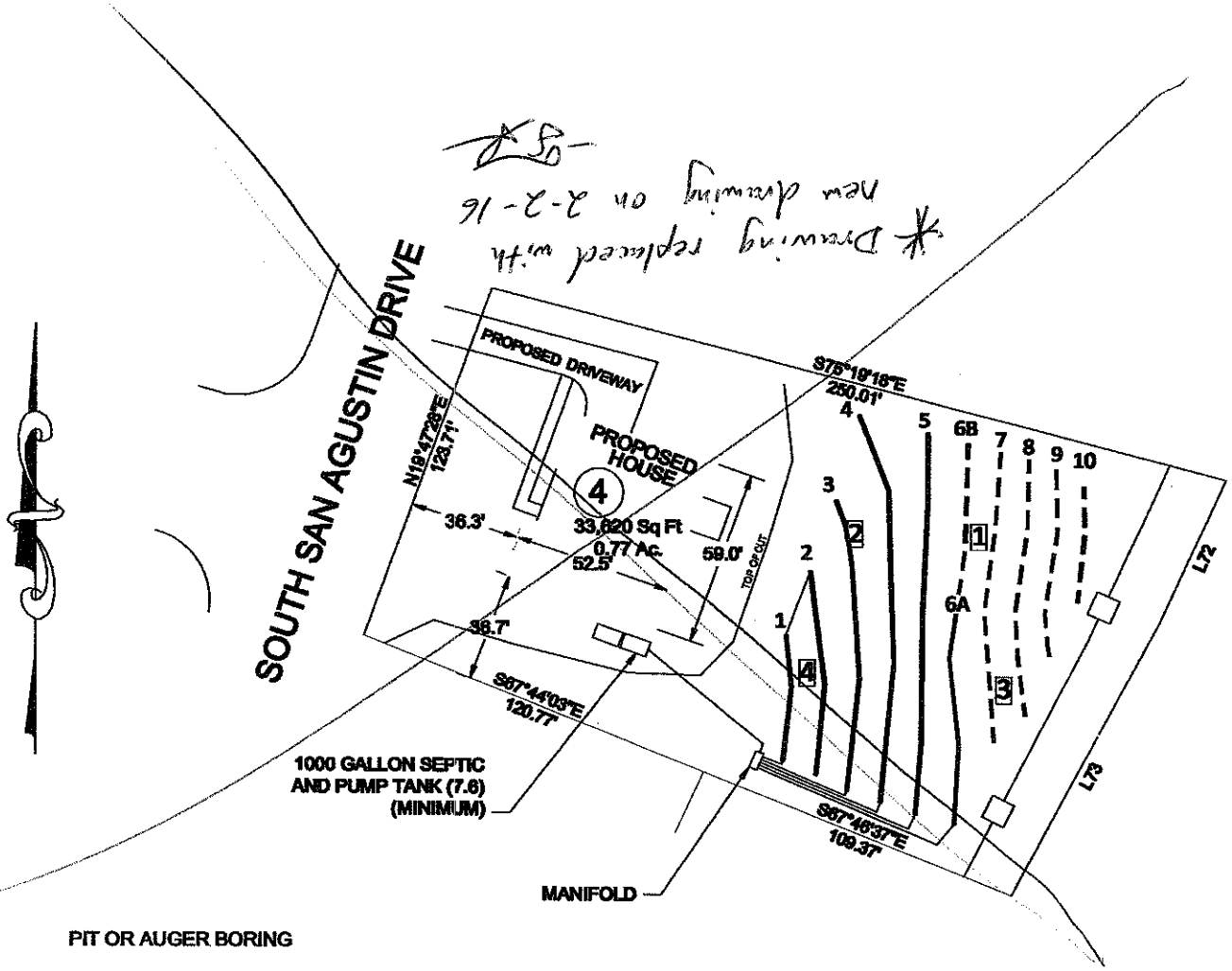
LOT 4 BELLS CROSSING SUBDIVISION

4-BEDROOM PRESSURE MANIFOLD SYSTEM
LINES 1-6A TOTAL 537 LINEAR FEET (USE 480)
EZFLOW OR CHAMBER
LTAR 0.25
25%REDUCTION
36" TRENCH DEPTH

4-BEDROOM LPP FED PANEL BLOCK REPAIR
LINES 6B-10 TOTAL 340 LINEAR FEET
LTAR 0.25
50% REDUCTION

FOR GENERAL USE NOT A SURVEY
PRELIMINARY NOT FOR CONSTRUCTION

SOIL PROFILES AND ANALYSIS PROVIDED BY
PRICE ENVIRONMENTAL RESOURCE CONSULTING, PC



1 PIT OR AUGER BORING

PRIMARY LINES

REPAIR LINES

ADDITIONAL REPAIR LINES

SCALE:
1" = 60 ft.

Bateman Civil Survey Company
Engineers • Surveyors • Planners
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

Meritage Homes

LOT 4
BELLS CROSSING SUBDIVISION
MOORESVILLE, NC
IREDELL COUNTY
REVISED 01/07/16
DATE: 01/01/15 DRAWN BY MB CHECKED BY: TMB