IREDELL COUNTY HEALTH DEPARTMENT

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # 181581

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

PIN # 4639 85 9102

APPLICANT: Meritage Homes c/o Matt Burdette APPLICANT ADDRESS: 11605 N. Community Rd Suite 250 Charlotte NC 28217

SITE ADDRESS: 145 Leaning Tower Rd ; Mooresville. PHONE: (704) 658 8616 ALT. PHONE: (704) 309 6577

SITE DIRECTIONS: Go Hwy 150 WTR on Perth TL on Bella Crossing TR on N. St. Agustin Dr TL on Leaning Tower lot on left

SUBDIVISION: Bella Crossing SECTION: 2 LOT # 41 LOT AREA: DESIGN FLOW: 480 L.T.A.R.: .3

Septic Tank	1000 (gal)	STB	760	Date	6-24-15	☐ New System ☐ Repair ☐ Expansion	System Type: I II (III) IV V VI	☑ Residence	No. Bedrooms	4	Water Supply
Pump Tank	1000 (gal)	PT	363	Date	9-10-15	System Description:	25% reduction @ .3 LTAR pressure manif	☐ Business	No. Persons	8	☐ Private
Pump Make	ZOELLER	Model	BE-186	Serial #		Repair System Description:	LPP panel block @ .3 LTAR 58" deep	☐ Other	No. Employees		☐ Public
# Nitrification Fields	1	# Lines	3	Linear Ft:	400	Maintenance Agreement Required:	☐ YES ☑ NO	☐ Slab	☐ Crawl Space		☑ Community
Trench Width	36"	Max. Trench Bottom Depth	36"	Gravel Depth	N/A		☐ GRAVITY ☑ PRESSURE	☐ Basement w/plumbing			☐ Basement w/o plumbing

Comments / Conditions: A/C cannot be issued until all offsite and esmt areas are survey marked and recorded as perpetual septic system easements for lot 41 & Supply line between recorded 1-22-15 see attached recorded plat

1/29/15 Elect & Alarm - OK (Huge hole over tanks)

INITIAL SITE SKETCH

See approved plans for layout and design by Bateman Civil Engineering dated ~~Rev~~ approved 1/12/15 (25 pages including letter from TJ Panel for 58" depth on repair). House floor plans have been submitted and are attached

Note initial drain line area has 16"-17" of fill material on it so install drain lines @ 36" deep. Repair area had platy soil structure at 9" to 33" and some soil wetness conditions at 27" to 33". Repair panel block lines to be installed @ 58" depth beneath unsuitable soil features.

AS BUILT SKETCH

9/3/15

Supply Line Checked from Driveway (Depth 30"+) on Lot 42 to offsite Easement. Supply Line Depth is 30"+ under Road R/W and Sleeved in Ductile Iron Pipe. Supply Line has 18"+ vertical Separation from Water Main. Supply Line still needs to be checked on Lot 41 and about ~ 30' across front of Lot 42. SC

Supply Line OK 9/10/15

Water Meters need to be moved to 10' from Curb to meet 10' Horizontal Setback from Supply Line.

Checked Drain Field 11-19-15
Set 2' PH 12-3-15 SA SA

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**

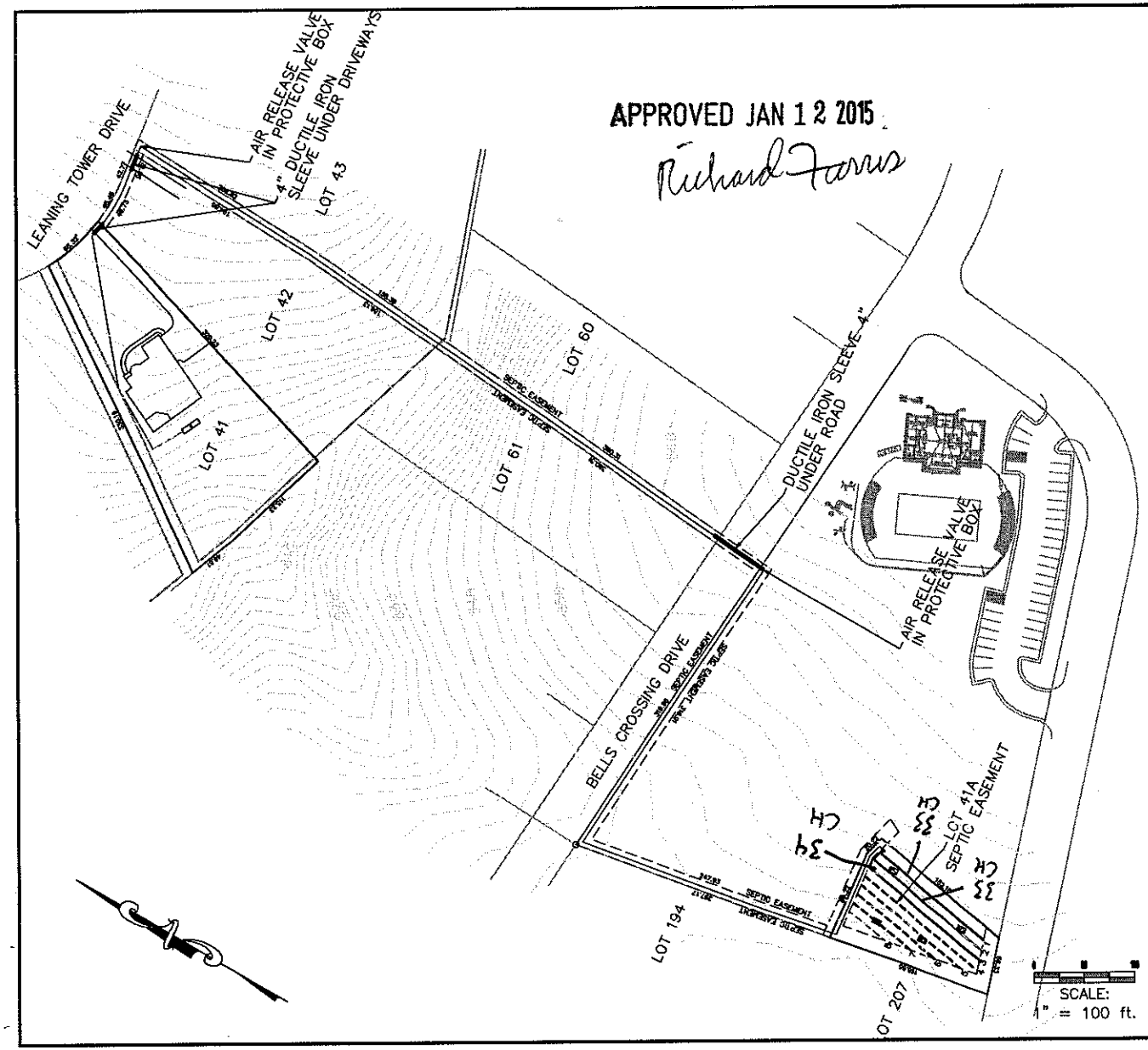
☐ **IMPROVEMENT PERMIT** *with plat valid without expiration.* ☑ **IMPROVEMENT PERMIT** *with site plan valid for 60 mos.* ☐ **AUTHORIZATION TO CONSTRUCT** *valid for period equal to IMPROVEMENT PERMIT--not to exceed 60 mo.*

Owner / Applicant Signature: Date: 1-21-15 Installed by: Specific Pipe

IMPROVEMENT PERMIT by: Richard Tevis Date: 1/12/15 OPERATION PERMIT by: Maria Dotson RS Date: 1/29/16

AUTHORIZATION TO CONSTRUCT by: Date: 1-27-15 Existing System Inspected by: Date:

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



Bateman Civil Survey Company
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NCBELS Firm No. C-0578

LINE SCHEDULE

LINE NUMBER	COLOR	FIELD ELEVATION	LENGTH (FT)	DESIGN LENGTH
1	YELLOW	2.7	132	132
2	ORANGE	3.2	139	134
3	PINK	3.5	141	134
4	RED	3.9	142	142
5	YELLOW	4.4	100	100
6	ORANGE	4.8	80	80
7	RED	5.2	60	60
8	ORANGE	5.5	36	36
	TANKS	35.7		

LOT 41 BELLS CROSSING SUBDIVISION

4-BEDROOM ACCEPTED STATUS PRESSURE MANIFOLD SYSTEM
LINES 1-3 TOTAL 400 LINEAR FEET
EZFLOW OR CHAMBER
LTAR 0.3
25% REDUCTION
36" TRENCH DEPTH MAX

4-BEDROOM LPP FED PANEL BLOCK REPAIR
LINES 4-8 TOTAL 418 LINEAR FEET
LTAR 0.3
58" TRENCH DEPTH MAX

FOR GENERAL USE NOT A SURVEY
PRELIMINARY NOT FOR CONSTRUCTION

SOIL PROFILES AND ANALYSIS PROVIDED BY
CENTRAL CAROLINA SOIL CONSULTING PLLC

PRIMARY SYSTEM
REPAIR SYSTEM
REPAIR LINES (NOT USED)
PIT OR AUGER BORING

SEPTIC SYSTEM LAYOUT - LOT 41

FOR

MeritageHomes

BELLS CROSSING PHASE TWO LOT 41
MOORESVILLE, IREDELL COUNTY
REVISED 12/31/14
DATE: 12/08/14 DRAWN BY: TMB CHECKED BY: TMB