IREDELL COUNTY HEALTH DEPARTMENT

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # 216979

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

PIN # 4639-73-5336

APPLICANT: BCSC APPLICANT ADDRESS: 2524 Reliance Ave Apex, NC

SITE ADDRESS: 318 S. San Agustin Dr. Mooresville, NC PHONE: 704-658-8616 ALT. PHONE:

SITE DIRECTIONS: Perth Rd N from Rt. 150 → L on Bells Crossing Dr. → L on S. San Agustin → House on Right

SUBDIVISION: Bells Crossing SECTION: 4 LOT # 145 LOT AREA: 0.90 acres DESIGN FLOW: 480 GPD L.T.A.R.: 0.30

Septic Tank 2x1000 (gal) STB 2071/2071 Date
Pump Tank Grinder Pump 1000 (gal) PT Date
Pump Make Model Serial #
Nitrification Fields 1 # Lines 6 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: 25% Reduction
Repair System Description: 25% Reduction
Maintenance Agreement Required: ☐ YES ☒ NO ☐ GRAVITY ☒ PRESSURE

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

Water Supply: ☐ Private ☐ Public ☐ Community

Comments / Conditions: House already constructed. Follow all N.C. septic rules. Effluent filter shall be installed on the 2nd tank within the septic tank series. Recommend larger effluent filter be used (Zable A-300 or equivalent) to address the increase in total suspended solids from the grinder pump. Recommend pumping all tanks every 5 years.

INITIAL SITE SKETCH

See attached construction drawing from Bateman Civil Survey Compang

Dated 11-14-16
Approved 12-9-16

* - House appears to be lowered by 6'-8' which has prompted this re-draw/re-layout

AS BUILT SKETCH

INSTALLED AS SHOWN

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: 12-12-16 Installed by: CPC

IMPROVEMENT PERMIT by: Tom Shuck Date: 12-9-16 OPERATION PERMIT by: ISA Ellis Date: 12-15-16

AUTHORIZATION TO CONSTRUCT by: Tom Shuck Date: 12-9-16 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)
1	ORANGE	4	70
2	BLUE	4.6	69
3	YELLOW	5.5	45
4	RED	6.0	91
5	ORANGE	6.9	44
6	PINK	7.6	95
7	WHITE	8.9	97
8	ORANGE	10.8	86
9	RED	12.4	84
10	BLUE	14.8	85
11	PINK	17.8	64
			830

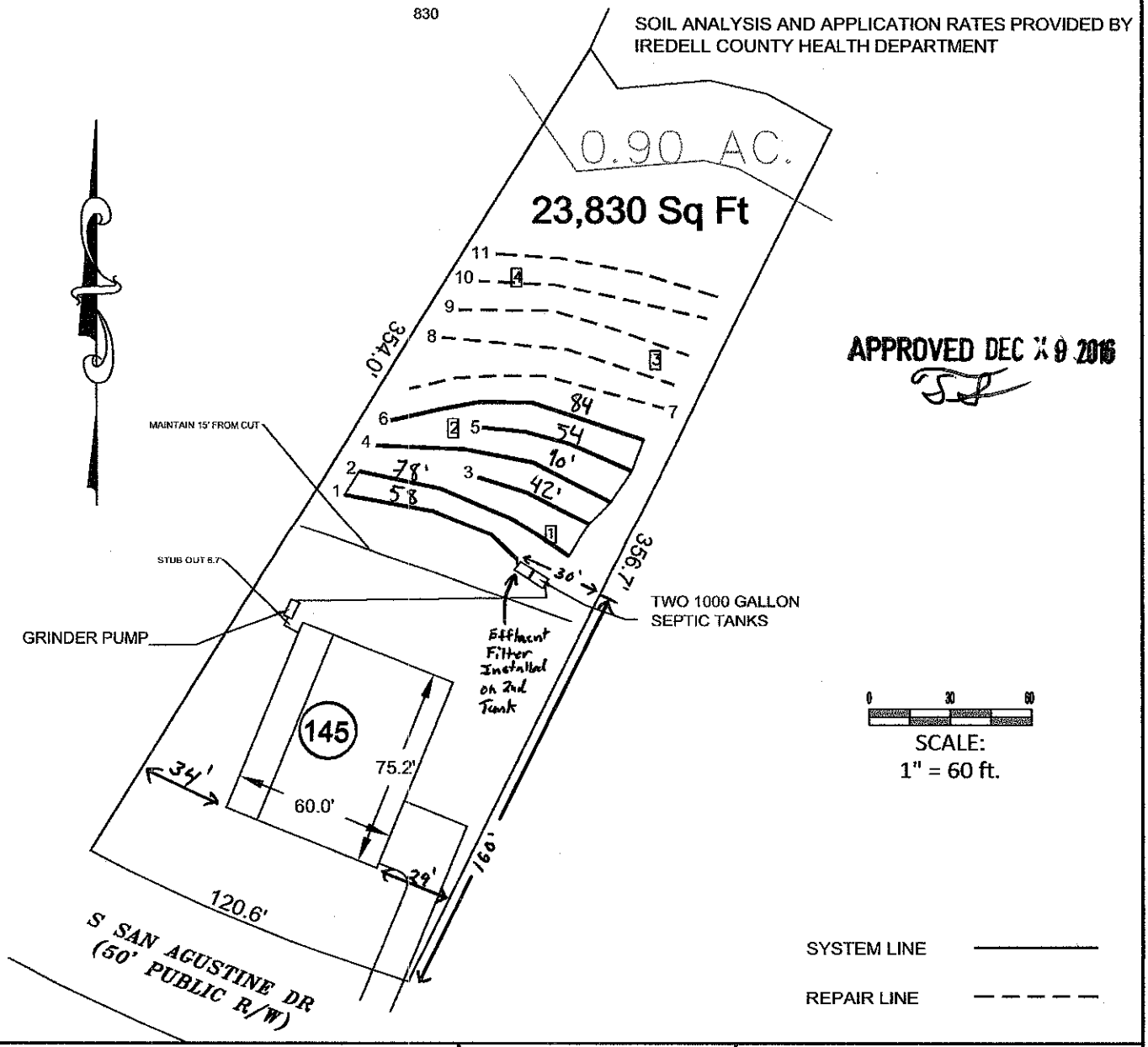
LOT 145 BELLS CROSSING SUBDIVISION

4-BEDROOM ACCEPTED GRAVITY SYSTEM
WITH GRINDER PUMP OFF HOUSE
LINES 1-6 TOTAL 443 LINEAR FEET
EZFLOW OR CHAMBER
24" MAX TRENCH DEPTH
LTAR 0.3
25% REDUCTION

4-BEDROOM ACCEPTED GRAVITY REPAIR
LINES 7-11 TOTAL 416 LINEAR FEET
LTAR 0.3
25% REDUCTION

FOR GENERAL USE NOT A SURVEY
PRELIMINARY NOT FOR CONSTRUCTION

SOIL ANALYSIS AND APPLICATION RATES PROVIDED BY
IREDELL COUNTY HEALTH DEPARTMENT



Bateman Civil Survey Company
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NCBELS Firm No. C-2378

MeritageHomes

LOT 145
BELLS CROSSING SUBDIVISION
MOORESVILLE, NC
IREDELL COUNTY

DATE:11/14/16 DRAWN BY: MDB CHECKED BY: TMB