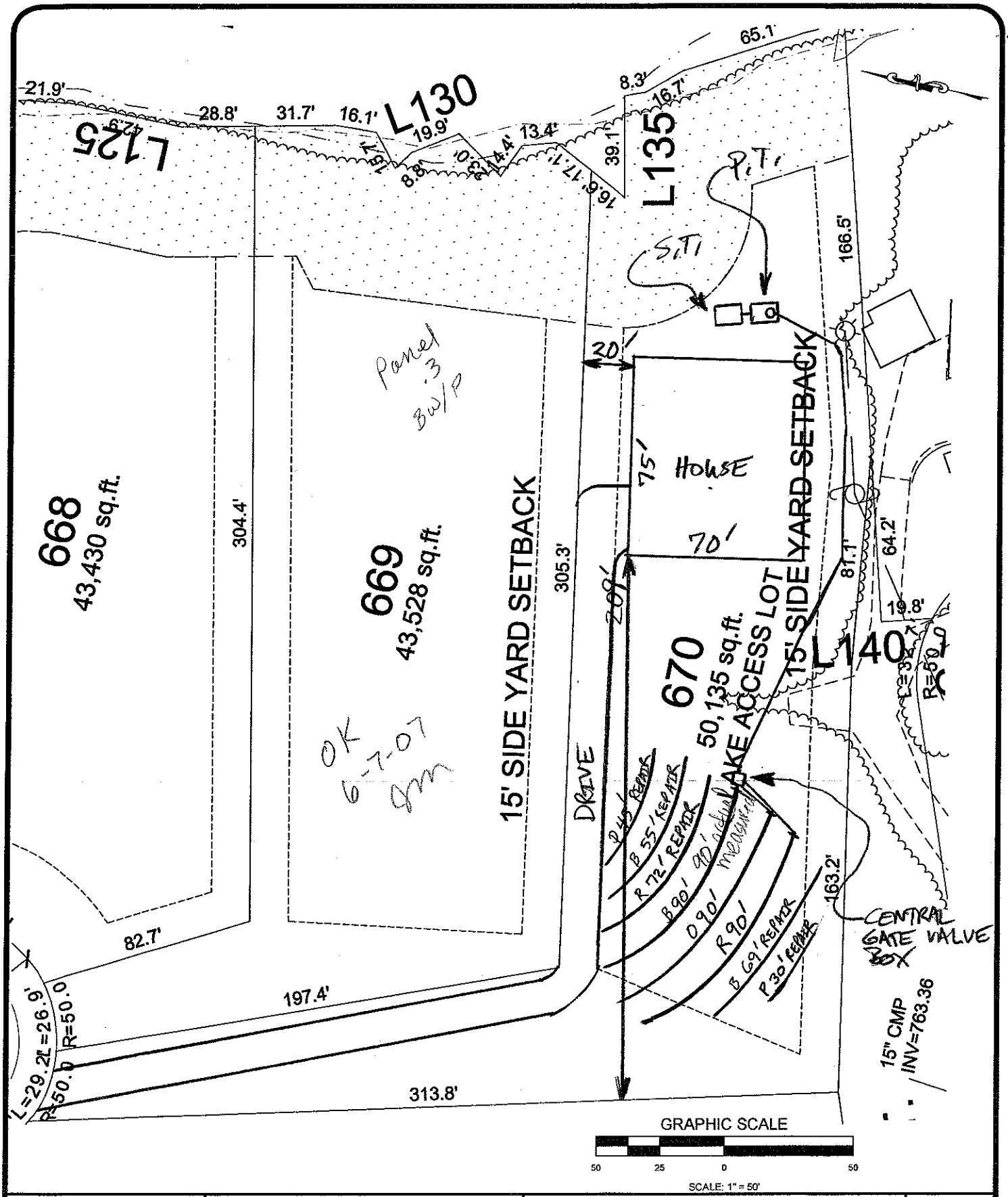



| | | | |
|---|---|---|---|
| SCALE: AS SHOWN | S&ME | LOT #670 | FIGURE NO. |
| DATE: MAY 2007 | | CRESCENT PARKWOOD - PHASE 6 | |
| DRAWN BY: RDM | WWW.SMEINC.COM | IREDELL COUNTY, NORTH CAROLINA | |
| PROJECT NO: 1588-06-091 | | | |

## Lot 670 Parkwood Phase 6 Fast Track Septic System Information

| | |
|---|---|
| **Number of Bedrooms** | 4 |
| **Basement or Crawl** | **Basement w/ Plumbing** |
| **Design Flow (gpd)** | 480 |
| **LTAR (gpd/ft2)** | 0.3 |
| **Initial System Type** | **LP PPBPS** |
| No. Lines | 3 (See Table) |
| Total Linear Feet | 270' |
| Trench Width | 3' min. |
| Trench Spacing | 9' min. |
| Pump Required | Yes |
| Distribution Device | Gate Valve Box w/ LPP Distribution |
| Maintenance Agreement Required | Yes |
| Length and Diameter of Supply Pipe | 200' of 2" SCH 40 PVC |
| Size of laterals | 1 1/4" SCH 40 PVC |
| Flow Rate through the system | 30 gpm |
| Elevation head | Approx. 32' |
| Pressure head | 3.0' |
| Friction head | 4.5' |
| 20% Contingency | 7.5' |
| Total Head | 48' |
| **Pump Requirements** | **30 gpm @ 48' of head** |
| Dosing Volume | 216 gal -2.1 doses/day @ design flow* |
| Volume of water pumped per dose | Calculated to specific tank by measure or dealer engineering specifications ( 1 cubic ft. of water equals 7.48 gal.) |
| Pump Run per dose | approx. 7.2 min. |
| Check Valve | Yes |
| Siphon Break hole | Yes |
| **Repair System** | **LP PPBPS** |
| Repair LTAR | 0.3 |
| Total Linear Feet | 271' |

***Before placement of cap block, one panel on each line near the center of the field should be observed filling to make certain that it does not overflow top chamber into air chambers of panel. If overflow occurs, reduce floats by 25 gallons and reset until no overflow is observed.**

# Table 1: Summary of Initial LPPPBPS System Specifications

| Line No. | Line Color | Length (ft) | # Panels | **Rod Reading Elev. (Ft.) | Hole Size(In.) per panel |
|---|---|---|---|---|---|
| Line # 1 | Blue | 90 | 20 | 4.7' | 5/32" |
| Line # 2 | Orange | 90 | 20 | | 5/32" |
| Line # 3 | Red | 90 | 20 | | 5/32" |
| **Totals** | | **270** | **60** | | |

**Table 2: Summary of Repair System Specifications**

| Laterals | Line Color | Length (ft) | Elev. (Ft.) |
|---|---|---|---|
| Line # 1 | Pink | 45 | 4.6' |
| Line # 2 | Blue | 55 | |
| Line # 3 | Red | 72 | |
| Line # 4 | Blue | 69 | |
| Line # 5 | Pink | 30 | 11.0' |
| **Totals** | | **271** | |

| | | | Elev. (ft.) |
|---|---|---|---|
| Tank | Red | 1500 gal (2 compartment) | |
| Pump Tank | Red | 1500 gal. | 30' |
| House | Blue | Front Left Corner | 17' |

**** Elevations should be verified by surveyor at time of installation**

**NOTES: ** Place one 5/32" hole per panel**

**Iredell County**
**Planning & Enforcement**
**227 S. Center St. PO Box 788**
**Statesville, NC 28687**
**704-878-3113**

[redacted]

## Zoning Permit



**Permit Number:** 141691ZO

Printed: 3/21/2007

**Master #:** 141691

**Associated Permits:**

141691ZO Zoning

### Applicant

**Name:** S&ME INC. ENGINEERING (Toney Jacob **Phone:** 704-662-8625

**Address:** 105D DENVER BUSINESS PARK DR
Mooresville, NC 28115

### Parcel

**Parcel Number:** 4730109262.670 **Zoning:** RA

**Address:** 000 Park Crest LN **Township:** 1500
Troutman, NC 28116 **Area:** 50135

**Subdivision:** Parkwood at Falls Cove Ph 6 **Lot(s):** 670

**Directions to Parcel:** morrison farm rd south, left on emeral creek dr. right on park crest dr

### Owners

**Name:** Falls Cove Dev., LLC

**Address:** 2215 Brawley School Rd
Mooresville, NC 28115

### Contractors

**Contractor Type: Enviromental Services**

**Name:** S&ME INC. ENGINEERING (Toney Jacobs) **Phone:** 704-662-8625

**Address:** 105D DENVER BUSINESS PARK DR
Mooresville, NC 28115

### Fees and Receipts:

| Number | Description | Amount |
|---|---|---|
| FEE-148250-07 | Zoning - Permit / Inspection | $45.00 |
| FEE-148251-07 | Environmental Health - Type I or II Fast Track | $200.00 |
| | **Total Fees:** | **$245.00** |