Maintenance

**TCW WASTEWATER**

January 4, 2006

Mr. Nevin Caldwell
1804 Brawley School Rd.
Mooresville, NC 28117

Lot 502 or 501
Type 3

Dear Mr. Caldwell:

The bleeding out of the septic system in your front yard is occurring again, as you have noted. The following is a summary of our findings and recommendations.

1. The run time of the septic pump from 7/18/05 – 12/27/05 is 37.11 hours, which calculates to .22 hours per day, or 198 gallons per day. This is well within the system design of 480 gallons per day. I inspected the field on 8/23/05 and 12/27/05 and found it to be fully saturated. Again, the system is not full from the septic system usage thus implying infiltration from another source. Some water could be from rain seeing that the drain field is rather flat. I did probe outside the field and found wet areas above it in the soil.

2. Your water usage records show high usage. In Nov 04 you had a broken water line fixed which brought your usage down. The average usage from Dec 04 – Mar 05 was 5,700 gal/month, which is considered normal. The average usage from Apr 05 – Nov 05 was 48,066 gal/month. (These numbers come directly from Carolina Water Services, your water company.) There still seems to be a problem with a leak, irrigation use, or a bad meter for this much water usage. The meter reading in December 2005 was 8,540 gallons (daily usage 275 gallons). The previous month was 26,260 gallons (875 gallons daily). Something must have changed drastically during that time period for the drop in usage from November to December.

Need Pump run records

Your septic system is not putting too much water into the field. Therefore, the next step is to see where the excessive water usage registered through the meter is going. My recommendation is for you to get the water company to check the meter. Also, you can check the meter daily to get your own readings to see if anything stands out.

When the water usage is down to 6-9,000 gallons per month and if we still have a problem, we will look at subsurface soil water infiltration into the system. If this is the case a French drain around the top of the field might an option. Please check these areas out and let me know your findings.

Thank you,

Terry Thomas
TCW Wastewater Management Inc.

*P.O. Box 1830*
*Indian Trail, NC 28079*

vbd

cc: Iredell County Health Dept.
Arcadia Homes

*704.821.8841*

*Fax 704.821.8892*
*E-Mail: tricountyww@hotmail.com*

*The mind of man plans his way,*
*but the LORD directs his steps.*
*Proverbs 16:9*

TO: Ed
Arcadia
704-664-6247

**TCW WASTEWATER**

P.O. Box 1830
Indian Trail, NC 28079
704.821.8841

# SERVICE ORDER

8/15/05 Phone: Home: 704-709-[illegible]
Name: Gail Caldwell Work:
Address: 1804 Brawley School Rd Cell:
Subdivision: Parcel Lot # 101 Phase

Work Requested: bubbling up at valve near landscaped area

Action Taken: Excessive water usage - too much for system to handle - Talked w/owners and left dye strips to check for leaky toilets. Will request water usage records.

Technician: MI Date: 8/15/05

Revised 4/15/05

Service Information 00608 500501 1 -1804 BRAWLEY SCHOOL RD /

Ed Lahaye

(1-5) House No Pre Street Name Suf Apart (70) Route - 500
Addr 1804 BRAWLEY SCHOOL RD (71) Sequence - 501
(6) Zip - MOORESVILLE NC 28117 (72) Tap Fee - 550.00
(96) Tract- (97) Lot- (73) Paid Date- 9/03
(7) Service Type - RES RESIDENTIAL Meter Information
(9) Units - 1 (74) Cur Mtr # - 19652211
Read Dt Meter One Meter Two Consumptn E (75) Type - S
Curr Per mtr (76) Conversion- 1
(10) 07/25/05 438410 45140 (77) Size - 5/8
(15) 06/28/05 385270 71830 (78) Make - BADGER
(20) 05/26/05 313440 40200 (79) Location - FAT CENTER OF LT
(25) 04/27/05 273240 27170 (80) Comments -
(30) 03/24/05 246070 5970 (81) EU - 1 (82) ES - 0
(35) 02/24/05 240100 1380 (83) Installed - 12/10/03
(40) 01/27/05 235720 6580 (84) Pr Meter #-
(45) 12/29/04 229220 6160 (85) Pr Consump-
(50) 11/29/04 223060 25930 (86) WSFE - 1 SSFE - 0
(55) 10/28/04 197130 20510 (88) MasterAcct-
(60) 09/29/04 176620 6870 Create Dt - 08/29/03
(65) 08/26/04 169750 12390 Total Pen - 0.00
Everything Complete Yes/Xit/Cust/Serv/Oth/Rate/Inv/Hist/Note/Bal/Attr/SO?