

Environmental Services - Water Quality
Onsite Wastewater Scan Data Entry Form

PERMIT #: 0017970

PIN #: 1820670720

OP DATE: 0911712001

SYSTEM USE:

- House
- Mobile Home
- Business
- Other

SEWAGE TYPE:

- Domestic
- Industrial

PUMP/SIPHON?:

- Yes
- No

PRESSURE MANIFOLD:

- Yes
- No

SYSTEM TYPE:

- I
- II
- III
- IV
- V
- VI
- Other

SUB TYPE:

- A
- B
- C
- D
- E
- F
- G

NBR BEDROOMS:

- 1
- 2
- 3
- 4
- 5
- 6
- Other

MAINT. SCHEDULE:

- Yes
- No

CERT. OPERATOR

- Yes
- No

GT ST PT

- | | | | |
|-------------------------------------|-------------------------------------|-------------------------------------|------------------|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 750 |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 900 |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 1,000 |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 1,200 |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 1,500 |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 1,800 |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 2,100 |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 2,500 |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 3,000 |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 4,000 |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 5,000 |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 8,000 |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 10,000 |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Other |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | None/NA GT or PT |

DRAINFIELD SIZE(SQ. FT.)

01620

DRAIN TYPE:

- Stone
- EZ Flow
- Infiltrator
- Biodiffuser
- Cultec
- Drip
- Hancor
- Large Dia. Pipe
- Multi-Pipe
- Other

MAX DEPTH (IN.):

- 12 in. or less
- 18 in. or less
- 24 in. or less
- 26 in. or less
- 28 in. or less
- 30 in. or less
- 32 in. or less
- 36 in. or less
- Other

STONE DEPTH (IN.):

- 8 in. or less
- 12 in. or less
- 18 in. or less
- 24 in. or less
- Other

TRENCHES:

- Individual
- Bed

TRENCH WIDTH (IN.):

- 12 in. or less
- 18 in.
- 24 in.
- 36 in.
- 6 ft. or less
- 9 ft. or less
- Other

**WAKE COUNTY DEPARTMENT OF ENVIRONMENTAL SERVICES WELL AND SEWAGE SITE LOCATION PERMIT
NO PERMIT(S) FOR CONSTRUCTION, LOCATION OR RELOCATION ACTIVITY SHALL BE ISSUED
UNTIL AN AUTHORIZATION FOR WASTEWATER SYSTEM CONSTRUCTION HAS BEEN ISSUED**

PERMIT VOID IF NOT IN COMPLIANCE WITH ZONING REGULATIONS AND/ OR IF SITE IS ALTERED OR INTENDED USE CHANGED

PERMIT#: D017970 STATUS: A APP. DATE: 04/12/2000 BLDG. PERMIT#: 0003565
 PIN: 1820.02 67 0720 000 TAX MAP: 0215 RECORDED: Y ORIG. PERMIT#:
 TOWNSHIP: 14 NEW LIGHT JURISDICTION: WC ZONING: R80W
 APPLICANT: GRANTHAM, CHARLES INC
 1609 OLD KEITH RD
 WAKE FOREST, NC 27587
 (919) 562 - 7027
 USE: HD USE: 101 ONE-FAMILY HOUSE
 EXIST USE:
 DISPOSAL: N BEDROOMS: 5 BASEMENT: Y #EMPLOYEES: 0
 SITE: ADDRESS: 1809 SHADY HILL LN
 SUBDIVISION: WAKEFIELD EST LOT: 106 ACRES: 1.85
 DIRECTION: GO SR2000 N--CROSS FALLS LAKE DAM--SUB DIV ON
 LEFT--LOT #

Well System: WATER: COMMUNITY - TYPE:

WELL LOG INFORMATION: DEPTH: _____ CASING DEPTH: _____ YIELD: _____ STATIC LEVEL: _____
 WELLS CONTRACTOR: _____ REG.# _____ PUMP CONTRACTOR: _____ REG.# _____
 Construction Compliance GROUT APPROVED DATE _____ EHS _____
 WELLHEAD APPROVED DATE _____ EHS _____
 SYSTEM FINALIZED DATE _____ EHS _____

COMMENTS:

Operation Permit

DESIGN FLOW: 54.80 gal./min. ACTUAL FLOW: 53 gpm INNOVATIVE LETTER: R

INSTALLED BY: Rilly Kelly INSTALLATION APPROVED BY: Steve Meyer, RS
 PROPRIETARY SYSTEM: E E-Z LAY PIPE FILTER NO: _____

COMMENTS:

OPERATIONS PERMIT ISSUED? Y OP DATE: 9/17/01 BY: Steve Meyer, RS

This permit is based in part on information provided by the homeowner or his/her representative in the application submitted for this permit. The Environmental Health Specialist is not responsible for false or misleading information contained in the application. The Environmental Health Specialist is also not responsible for concealed conditions on the property or for statements in this report that may have resulted from false or misleading statements provided to him in the application. Neither Wake County nor the Environmental Health Specialist warrants that the septic tank system will continue to function satisfactorily in the future or that the water supply will remain potable.

9/17/01 Pump, Alarm, wiring + manifolds O.K. DSM

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IMPROVEMENT PERMIT

TANK SIZE: 1500 gal. PUMP Tank: 1500 gal. SQ FT: 1620 INNOVATIVE MAX DEPTH LINE: 18 in.
WASTEWATER: INDIVIDUAL SEWAGE: DOMESTIC TYPE SYSTEM: III G PUMP: Y P/M: Y
DAILY FLOW: 00600 gal/day WATER: COMMUNITY

COMMENTS: PERMIT REVISED FOR BASEMENT. MARCH 7, 2001

IP ISSUED? Y DATE: 02/02/2001 BY: (SWB) *[Signature]* PHONE#: 856-7432

AUTHORIZATION FOR WASTEWATER/WATER SYSTEM CONSTRUCTION

VOID SIXTY (60) MONTHS FROM DATE OF ISSUANCE

AUTHORIZATION CONDITIONS:

Contractors shall install system on contours, see attached site plan for wastewater system design and well location. No underground utilities, water lines or sprinkler systems may be located in the original system or repair areas. A septic tank filter with a riser for access is required. The wastewater system shall not be covered or placed into use until inspected by the Wake County Department of Environmental Services and an Operation Permit issued. **OTHER CONDITIONS:**
FOLLOW APPROVED PLANS, SEE PLAN APPROVAL NOTES AND SEE APPROVAL LETTER.

TANK SIZE: 1500 gal. PUMP TANK: 1500 gal. SQ FT: 1620 INNOVATIVE MAX DEPTH LINE: 18 in.
MAINT: N OPER: N I/O: P TRENCH#: 10 LENGTH: 540 ft. WIDTH: 36 in
SUBFIELDS: 2 DESIGN HEAD PRESSURE: 2 DESIGN FLOW: 54.80 gal/min DOSE VOLUME: 281 gal.

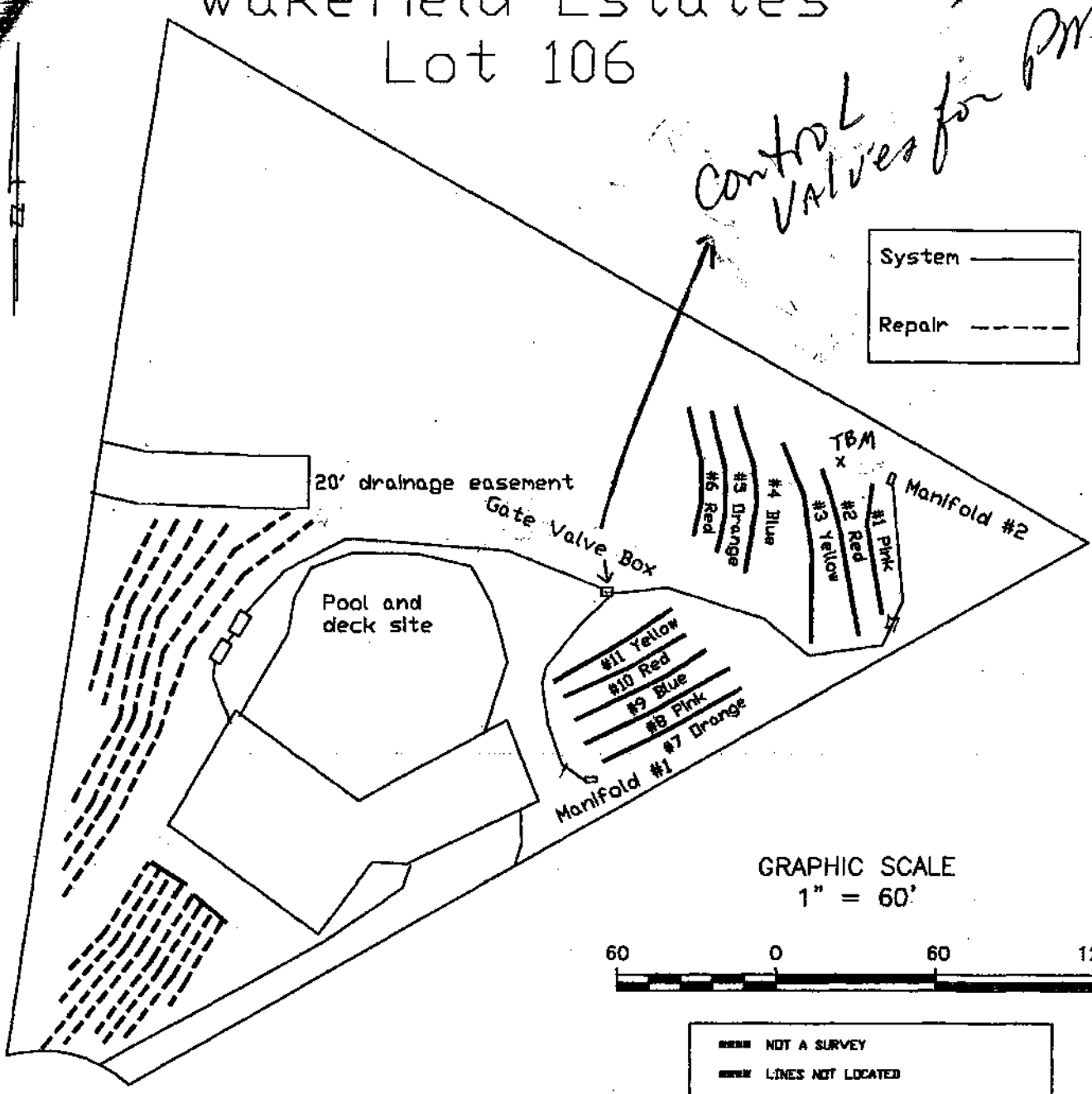
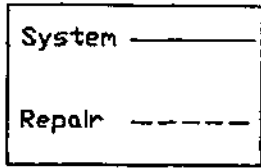
CA ISSUED? Y DATE: 03/07/2001 BY: (SWB) *[Signature]* PHONE#: 856-7432

Mills 1598
PT 220
5/25/01

Mills 1500
STB 859
5/21/01

Wakefield Estates Lot 106

Control Valves for PM's



GRAPHIC SCALE
1" = 60'



- NOT A SURVEY
- LINES NOT LOCATED
- BASE MAP PROVIDED BY CLIENT
- ACTUAL ALIGNMENT IN FIELD MAY VARY SLIGHTLY FROM MAP REPRESENTATION

PROJECT NO. 3037	SCALE 1" = 60'	SHEET TITLE SEPTIC SYSTEM LAYOUT
PROJECT MGR. K.M.	FIELD WORK J.H.	PROJECT NAME Wakefield Developers Wakefield Estates WAKE COUNTY, NORTH CAROLINA June 2000
DRAWN BY J.H.	FILE \\SEC\SECFILES	
PROJECT No. \FILE NAME.DWG		



Soil & Environmental Consultants, Inc.

11019 Raven Ridge Road Raleigh, North Carolina 27614 Phone (919) 846-5700 Fax (919) 846-9467
Web Page: www.sandec.com

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Wake



Soil & Environmental Consultants, Inc.

11010 Raven Ridge Road • Raleigh, North Carolina 27614 • Phone: (919) 846-5900 • Fax: (919) 846-9467
Web Page: www.SandEC.com

Attached is a proposed design for a Pressure Manifold Septic System for a 5-bedroom house, located on lot 106 Wakefield Estates Subdivision, Wake Co., NC.

<u>Contents:</u>	<u>Page</u>
Information for the Installer -----	1 - 2
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Pressure Manifold Diagrams-----	14 - 15
Nitrification trench detail-----	16
Control Panel Specifications-----	17 - 20
Pump Specifications-----	21 - 22

12-29-00, S&EC PROJECT #3037, DESIGN - J. Hall,
 PROJECT MGR - K. Martin
 APPROVED AS NOTED
 DISAPPROVED

Check head at installation to size pump
~~Separate flow to pump~~

Review of this document has been made only for conformance with the design concept of the project and approval or approval as noted shall not relieve the designer and/or contractor from responsibility for any errors therein or for furnishing the materials, and equipment of proper dimension, size, quantity, quality and all performance characteristics to meet the requirements and intent of the contract documents.

MAY NEED TO ADD CHECK VALVE TO SUPPLY LINE.

*Check Head at Installation to size Pump
 Separate Flow to PMS w/ Tee*

WAKE COUNTY DEPARTMENT OF ENVIRONMENTAL SERVICES

Date: 2/2/01 By: *[Signature]*
 Wetland Delineation/Permitting/Mitigation • Soil/Site Evaluations • On-Site Septic Systems • Environmental Assessments/Audits
 Neuse Basin and Watershed Buffer Evaluations • Groundwater Hydrology • Endangered Species