Environmental Services - Water Quality
Onsite Wastewater Scan Data Entry Form

PERMIT #: D015560 PIN #: 1811275606

OP DATE: 04130120 01

SYSTEM USE:
- [x] House
- [ ] Mobile Home
- [ ] Business
- [ ] Other

SEWAGE TYPE:
- [x] Domestic
- [ ] Industrial

PUMP/SIPHON?:
- [x] Yes
- [ ] No

PRESSURE MANIFOLD:
- [x] Yes
- [ ] No

SYSTEM TYPE:
- [ ] I
- [ ] II
- [x] III
- [ ] IV
- [ ] V
- [ ] VI
- [ ] Other

SUB TYPE:
- [ ] A
- [x] B
- [ ] C
- [ ] D
- [ ] E
- [ ] F
- [ ] G

NBR BEDROOMS:
- [ ] 1
- [ ] 2
- [ ] 3
- [ ] 4
- [x] 5
- [ ] 6
- [ ] Other

MAINT. SCHEDULE:
- [ ] Yes
- [x] No

CERT. OPERATOR
- [ ] Yes
- [x] No

GT	ST	PT	SIZE
[ ]	[ ]		750
[ ]	[ ]	[ ]	900
[ ]	[ ]	[ ]	1,000
[ ]	[ ]	[ ]	1,200
[ ]	[x]	[x]	1,500
[ ]	[ ]	[ ]	1,800
[ ]	[ ]	[ ]	2,100
[ ]	[ ]	[ ]	2,500
[ ]	[ ]	[ ]	3,000
[ ]	[ ]	[ ]	4,000
[ ]	[ ]	[ ]	5,000
[ ]	[ ]	[ ]	8,000
	[ ]	[ ]	10,000
[ ]	[ ]	[ ]	Other
[x]		[ ]	None/NA GT or PT

DRAINFIELD SIZE(SQ. FT.)

01500

DRAIN TYPE:
- [ ] Stone
- [x] EZ Flow
- [ ] Infiltrator
- [ ] Biodiffuser
- [ ] Cultec
- [ ] Drip
- [ ] Hancor
- [ ] Large Dia. Pipe
- [ ] Multi-Pipe
- [ ] Other

MAX DEPTH (IN.):
- [ ] 12 in. or less
- [ ] 18 in. or less
- [x] 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
- [x] 12 in. or less
- [ ] 18 in. or less
- [ ] 24 in. or less
- [ ] Other

TRENCHES:
- [x] Individual
- [ ] Bed

TRENCH WIDTH (IN.):
- [ ] 12 in. or less
- [ ] 18 in.
- [ ] 24 in.
- [x] 36 in.
- [ ] 6 ft. or less
- [ ] 9 ft. or less
- [ ] Other

BW 1/2/14

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#: **D015560** STATUS: **A** APP. DATE: **08/11/1999** BLDG. PERMIT#: **0000586**
PIN: **1811.01 26 0812 000** TAX MAP: **0188** RECORDED: **Y** ORIG. PERMIT#:
TOWNSHIP: **14 NEW LIGHT** JURISDICTION: **WC** ZONING: **80W**
APPLICANT: **NEIL REALTY CO**
6801 FALLS OF NEUSE RD
RALEIGH, NC 27615
(919) 961 - 3690
USE: HD USE: **101 ONE-FAMILY HOUSE**
EXIST USE:
DISPOSAL: **N** BEDROOMS: **5** BASEMENT: **Y** #EMPLOYEES: **0**
SITE: ADDRESS: **1541 BENT RD**
SUBDIVISION: **BENT PLACE** LOT: **2** ACRES: **2.67**
DIRECTION: **50 N TO R ON NC 98 HWY E TO L ON SR 1917 TO L O**
N SR 1918 TO L ON BENT RD LOT WILL BE ON L

Well System: WATER: **INDIVIDUAL** - TYPE:

WELL LOG INFORMATION: DEPTH: **665** CASING DEPTH: **65** YIELD: **20.0** STATIC LEVEL: **40**
WELLI CONTRACTOR: **GOLDSTONS** REG.# **00272** PUMP CONTRACTOR: _____ REG.# _____

Construction Compliance				
GROUT APPROVED	☒	DATE 7-20-00	EHS	GEB
WELLHEAD APPROVED	☒	DATE 8/2/01	EHS	BKK
SYSTEM FINALIZED	☑	DATE 4-30-01	EHS	SFM

COMMENTS: Well relocated beside Drive way

Operation Permit

DESIGN FLOW: **49.30** gal./min. ACTUAL FLOW: _____ INNOVATIVE LETTER: **R**

INSTALLED BY: Beaufley's INSTALLATION APPROVED BY: Steve Meyer, RS
PROPRIETARY SYSTEM: FILTER NO: _____
COMMENTS:

OPERATIONS PERMIT ISSUED? Y OP DATE: 4/30/01 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.

☑ Need final pump & Alarm finall SFM

4/30/01 O.K. SFM

WAKE COUNTY DEPARTMENT OF ENVIRONMENTAL SERVICES WELL AND SEWAGE SITE LOCATION PERMIT
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PERMIT VOID IF NOT IN COMPLIANCE WITH ZONING REGULATIONS AND/ OR IF SITE IS ALTERED OR INTENDED USE CHANGED

PERMIT#: **D015560** STATUS: **A** APP. DATE: **08/11/1999** BLDG. PERMIT#: **0000586**
PIN: **1811.01 26 0812 000** TAX MAP: **0188 0012** RECORDED: **Y** ORIG. PERMIT#:
TOWNSHIP: **14 NEW LIGHT** JURISDICTION: **WC** ZONING: **80W**
APPLICANT: **NEIL REALTY CO**
6801 FALLS OF NEUSE RD
RALEIGH, NC 27615
(919) 961 - 3690
USE: HD USE: **101 ONE-FAMILY HOUSE**
EXIST USE:
DISPOSAL: **N** BEDROOMS: **5** BASEMENT: **Y** #EMPLOYEES: **0**
SITE: ADDRESS: **1541 BENT RD**
SUBDIVISION: **BENT PLACE** LOT: **2** ACRES: **2.67**
DIRECTION: **50 N TO R ON NC 98 HWY E TO L ON SR 1917 TO L O**
N SR 1918 TO L ON BENT RD LOT WILL BE ON L

IMPROVEMENT PERMIT

TANK SIZE: **1500** gal. PUMP Tank: **1500** gal. SQ FT: **1500** INNOVATIVE MAX DEPTH LINE: **24** in.
WASTEWATER: **INDIVIDUAL** SEWAGE: **DOMESTIC** TYPE SYSTEM: **III G** PUMP: **Y** P/M: **Y**
DAILY FLOW: **00600** gal/day WATER: **INDIVIDUAL**

COMMENTS:

IP ISSUED? **Y** DATE: **02/02/2000** BY: (JTW) by Ed Dudek RS PHONE#: **856-7468**

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:**
SEPTIC TANK FILTER/RISER FOR ACCESS REQUIRED. SYSTEM REQUIRES USE OF PRESSURE MANIFOLD DESIGNED BY FEBRUARY ASSOC., INC.. THE DESIGN REQUIRES THE USE OF AN INNOVATIVE DRAINFIELD PRODUCT WITH THE 25% REDUCTION ALREADY CALCULATED INTO THE DESIGN. THE PLANS FOR THE CONSTRUCTION OF THE MANIFOLD MUST BE FOLLOWED CLOSELY. A SIMPLEX CONTROL PANEL WITH ELAPSED TIME METER, CYCLE COUNTER AND ALARM AND PUMP WIRED ON SEPARATE CIRCUITS IS REQUIRED. THE SUPPLY LINE MUST BE LOCATED OUTSIDE OF THE DEDICATED DRAINAGE AREA. MANIFOLD PLANS REVISED ON 2-14-01 TO SIMPLYFY CONSTRUCTION. 2" SUPPLY LINE NOW BEING USED WITH A LARGER PUMP. SEE REVISED TAP CHART WITH APPROVAL STAMP FOR DETAILS OF CHANGE.

TANK SIZE: **1500** gal. PUMP TANK: **1500** gal. SQ FT: **1500** INNOVATIVE MAX DEPTH LINE: **24** in.
MAINT: **N** OPER: **N** L/O: **P** TRENCH#: **4** LENGTH: **500** ft. WIDTH: **36** in.
SUBFIELDS: **1** DESIGN HEAD PRESSURE: **2** DESIGN FLOW: **49.30** gal/min DOSE VOLUME: **245** gal.

CA ISSUED? **Y** DATE: **02/14/2001** BY: (ETD) Ed Dudek RS PHONE#: **856-7436**

58" 2:24
Off 3/4

4/30/01
Pump, Alarm + Final Wiring O.K.
JTM

NORTH CAROLINA, WAKE COUNTY

Map Book 1998 Page 1607 I, Irvin A. Staton, certify that this plat was drawn under my supervision from an actual survey made under my supervision (deed description recorded in Book ____ Page ____; etc.) (other); that the boundaries not surveyed are clearly indicated as drawn from information found in Book ____ Page ____; that the ratio of precision as calculated is 1:____; that this plat was prepared in accordance with G. S. 47-30 as amended. Witness my original signature, registration number and seal this 26 day of JUNE A.D., 19 99

Seal or Stamp

NORTH CAROLINA PROFESSIONAL SEAL L-1295 LAND SURVEYOR IRVIN A. STATON

Irvin A. Staton

Registered Land Surveyor Number L-1295

THERE ARE NO ENCROACHMENTS EITHER WAY ACROSS LOT LINES EXCEPT AS NOTED.

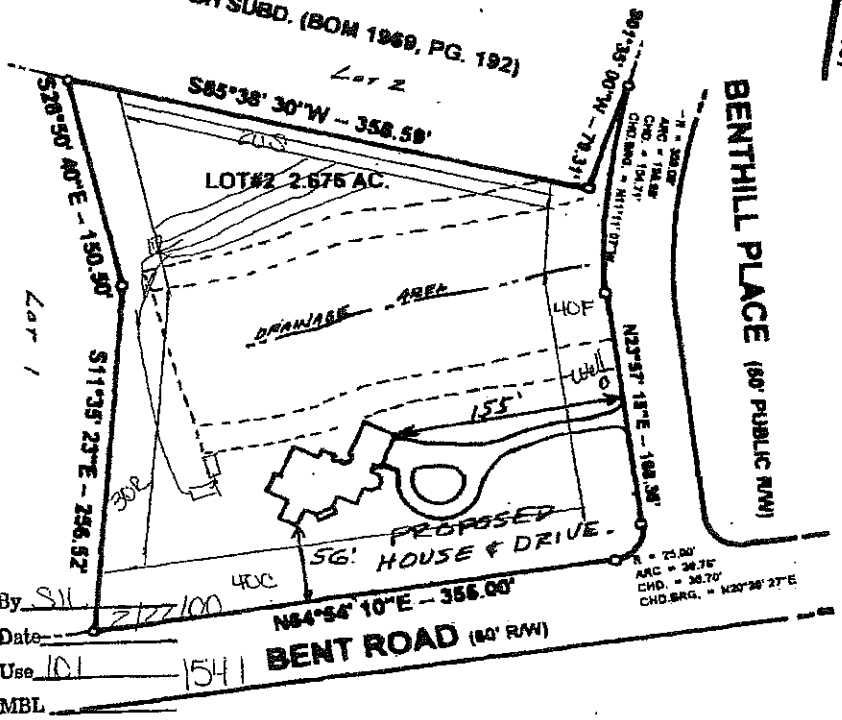
As Built

I certify that the location of planned or existing structure(s) are accurately shown. I understand failure to locate structures in accordance with this plot plan may require the relocation of structure(s) regardless degree of completion. I hereby grant permission to Municipal/County Representatives the right of entry to make evaluations or inspections upon this property.

Signature of Owner or Authorized Agent

PRELIMINARY PLAT, NOT FOR DEEDING, RECORDING OR SALES.

ADOPTED BOM 1998, PG. 1607



Zoning R40W By SIL 2/27/00

Approve ✓ Date

Revise ✓ Use 101 1541

Reject MBL

Front 40 Rear 30

Side 20 Corner

Comments:

Drawn from record, for septic tank permit.

Note: This lot contains 40,000 sq. ft. or more of soil suitable for septic tanks, by soil survey.

BENT PLACE SUBDIVISION

REV: 8-11-99 I.A.S.

OWNER: Neil Realty Company

Irvin A. Staton
Professional Land Surveyor
4708 Old Faison Road, Knightdale, N.C. 27545
Office (919) 266-6833 Fax (919) 266-5449

ADDRESS: 1541 Bent Road

SURVEY BY: N/A DR: IAS SUPV: IAS

DATE: 26 JUNE 99 SCALE: 1"=100'

LOT 2 B.O.M. 1998 PAGE 1607

WAKE COUNTY REGISTRY

Permit # 0000586

D# 15560 To: ED Duke

P.04

Feb-18-00 11:30A

NORTH CAROLINA, WAKE COUNTY

I, Irvin A. Stinson, certify that this plat was drawn under my supervision from an actual survey made under my supervision (deed description recorded in Book 1998, Page 1607, etc.) (other): that the boundaries not surveyed are clearly indicated as drawn from information found in Book ____, Page ____; that the ratio of precision as calculated is 1:____; that this plat was prepared in accordance with G. S. 47-30 as amended. Witness my original signature, registration number and seal this 26 day of June, A.D., 19 99.

Seal or Stamp

NORTH CAROLINA PROFESSIONAL SEAL L-1295 LAND SURVEYOR IRVIN A. STINSON

Irvin A. Stinson

Registered Land Surveyor Number L-1295

THERE ARE NO ENCROACHMENTS EITHER WAY ACROSS LOT LINES EXCEPT AS NOTED.

I certify that the location of planned or existing structure(s) are accurately shown. I understand failure to locate structures in accordance with this plot plan may require the relocation of structure(s) regardless degree of completion. I hereby grant permission to Municipal/County Representatives the right of entry to make evaluations or inspections upon this property.

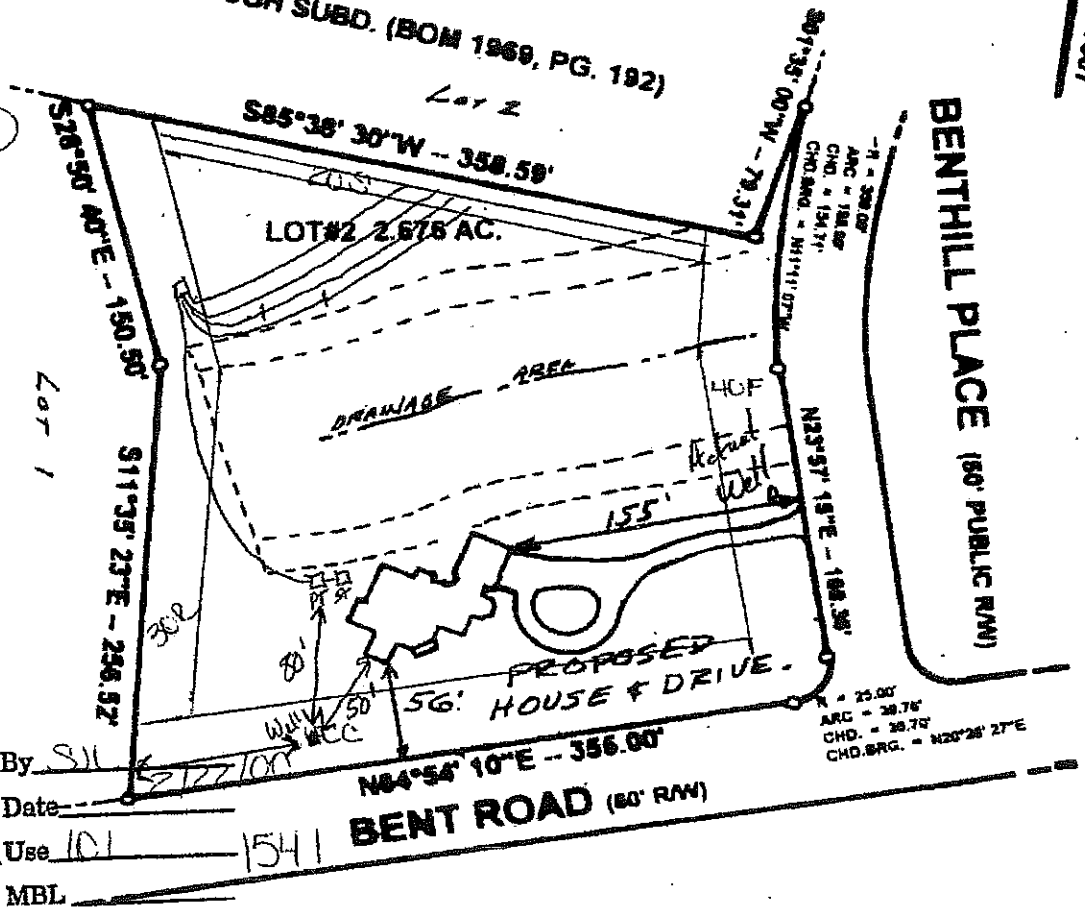
Signature of Owner or Authorized Agent

PRELIMINARY PLAT, NOT FOR DEEDING, RECORDING OR SALES.

CA Site Plan D-15560 Revised 2-14-01 ETof.

KINGSBOROUGH SUBD. (BOM 1969, PG. 192)

ADOPTED BOM 1998, PG. 1607



Zoning R80W By SJL

Approve ✓ Date ____

Revise ✓ Use 101 1541

Reject ____ MBL ____

Front 40 Rear 30

Side 20 Corner ____

Comments:

BENT PLACE SUBDIVISION

Drawn from record, for septic tank permit.

Note:
This lot cont 'ns 40,000 sq. ft. or more of soil suitable for septic tanks by soil survey

Item for inspection	Date of Insp.	Type	Size	Date	Approved	Comments
Layout/Flagging						
Plans Reviewed		PVC.	4"	2-2-00	ETD	Multiple Taps w-tch connections
Septic Tank						
Risers					EGJ	
Filter						
Pump Tank	3/8/01				EGJ	
Risers	3/8/01					
Supply Line	3/8/01				DJM	
LPP Manifold						
Laterals hole/space						
Trench Bottoms						
Gravel						
Pressure Manifold	3/8/01	Brawlins			DJM	
Taps	3/8/01		Variable	3/8/01	DJM	
Trenches	3/8/01	EZ Lay			DJM	
Head Pressure	3/8/01		2'			
Drawdown	7 1/2"		245	3/8/01		
		Design Flow	49.3	[illegible]	DJM	50.2 ACTUAL
Alarm/control Panel	@ 3/8/01	Automated				
Final Grading/Seed						
Operator Contract						
Maintenance Sch.						

Cycle Counter [illegible] 000000

Run Timer 3/8/01 0000020

FEBRUARY ASSOCIATES, INC.

JAN - 5

P.O. Box 5427
Cary, N.C. 27512

Ph: 919/467-5427
Fax: 919/467-5463

January 4, 2000

Mr. Steve Bristow, R.S.
Wake County Environmental Services
PO Box 550
Raleigh NC 27602

18 11.01 260812

Dear Mr. Bristow:

Attached please find two copies of our proposal for a Pressure Manifold to Innovative Trenches on-site sewage disposal system for:

Lot 2, Bent Place D-15560

Plans & specifications
Calculations
Manifold & tap detail
Site plan
Tank specifications
Pump, controls, and accessory specifications

Please note that specific manufacturers mentioned in the proposal are for example only; other products that meet or exceed the specifications may be substituted. When review of the plans has been completed, please forward one copy to:

Dan Sullivan phone 961-3690
Re/Max
6801 Falls of Neuse Road, # 100
Raleigh NC 27615

If you have questions or require additional information, please feel free to call me.

Sincerely,

Katherine H. Morris, R.S., P.G.
President

coverwk.let

( ) APPROVED
(X) APPROVED AS NOTED
( ) DISAPPROVED

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 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.

WAKE COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION

Date 1-31-00 By

TAP CHART Lot 2 Bent Place, REVISED 2-14-01 KHM

INITIAL

line	(extra) / length	tap size(s)	gpm/line	ltar
1	130'	3/4" Sch. 40	12.5	0.390
2	145'	(2) 1/2 Sch. 40	14.2	0.397
3	125'	3/4" Sch. 40	12.5	0.406
4	100	3/4" Sch. 80	10.1	0.410
	500			
spec ltar =	0.3	total flow @ 2.0' head =	49.3	
1.75 innov		system design flow =	600	
adj. ltar =	0.4	total minutes per day =	12.17	
max ltar =	0.42			
	ltar=	gpm/tap X min/day / 3 X length		

pipe volume = 65.3 gal/100' x 500' = 327 gallons

7 " drawdown @ 33 gal/in 231 gallons DOSE VOLUME (70.6% PV)

dose volume / total flow = 4.7 minutes PUMP RUN TIME

7.5" @ 30.65 = 231

* 8" @ 30.65 - ~245.2/49.3 4.97 min

2" Sch. 40

supply line	320'
elevation head	13.0
friction loss	14.3'
fittings loss	2.8'
design head	2.0
TDH =	32.1' (32.6)

3" 17.6'

CHANGE PUMP TO ZOELLER N 163
CHANGE SUPPLY LINE TO 2" DIAMETER

REPAIR

line	length	tap size(s)	gpm/tap	ltar
1				
2				
3				
4				
5				
spec ltar =	0.3	total flow @ 2.0' head =		
1.75 innov		system design flow =	480	
adj. ltar =	0.4	total minutes per day =		
max ltar =	0.42			

( )APPROVED
(X)APPROVED AS NOTED
( )DISAPPROVED

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.

WAKE COUNTY DEPARTMENT OF ENVIRONMENTAL SERVICES

Date 2-14-01 By Ed Dishuf RS

WAKE COUNTY
Department of Environmental Services
Water, Wastewater and Development Services

(919) 856-7400 FAX: (919) 856-7407 PO Box 550, Raleigh, NC 27602

D-015560

BLDG Permit 0000586

I, Daniel T. Sullivan hereby request the chamber system or polystyrene aggregate system called E-Z-Flow to be used in my sewage disposal system. I understand that I will be granted a 25% reduction in the amount of required drainfield for my property. My property is located at 1541 Bent Rd (Lot 2) Wake Forest, NC

Neil Realty Company
Agent for Daniel T. Sullivan Owner

5-1-01 Date

D# 015560
Bldng Permit # 0000586
PIN: 1811.01.27.5606.000

Generic Name	Proprietary Name
___ Drip System	"Pere-Rite" Subsurface
___ Chamber Trench Sys.	"Infiltrator" Chambered
___ Brunswick Bed/Fill Sys.	"Brunswick" Bed/Fill
___ Chamber Trench Sys.	"Hancor EnviroChamber"
✓ Polystyrene Aggregate Tr	Houck Drainage Sys.
___ Chamber Trench	"Contractor Model 75,100,125, and field drain"
___ Polyethylene	Norwesco P.E. Tanks
___ Sand Filter Pretreatment	Pressure Dosed Sand
___ Chamber Trench	"Bio Diffuser" Low Profile
___ Peat Filter Pret. Sys.	Puraflo Peat Biolfilter Sys.
___ Fibermesh Reinforced Tanks	Fibermesh Reinforced Tank

To protect and improve the quality of Wake County's environment and ensure a healthy future for its citizens through cooperation, education, management and enforcement

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