

20109 KNOX RD

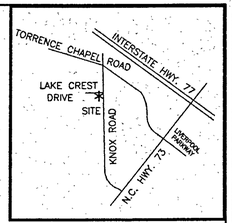
00117753

1/2/2008

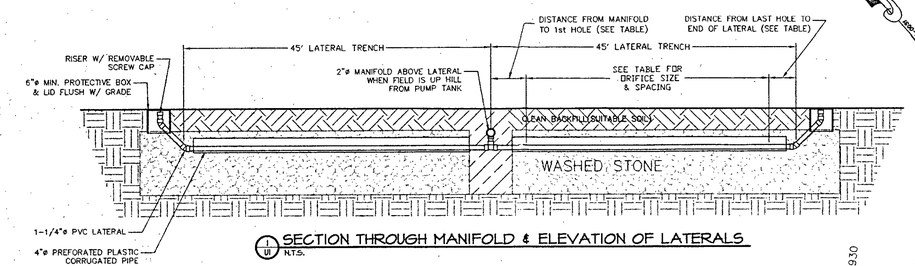
duponbj

Groundwater and Wastewater Services File Imaging Project
May 2007
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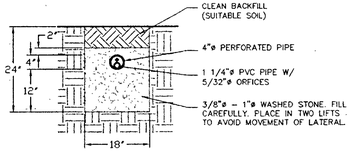
File # 2888B
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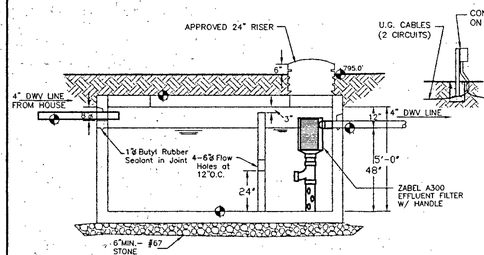
VICINITY MAP
NO SCALE



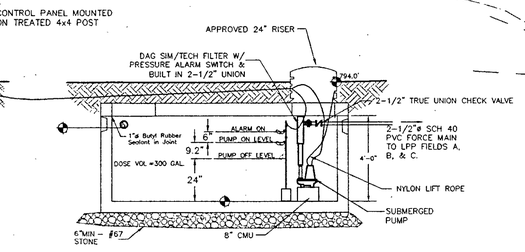
1 SECTION THROUGH MANIFOLD & ELEVATION OF LATERALS
N.T.S.



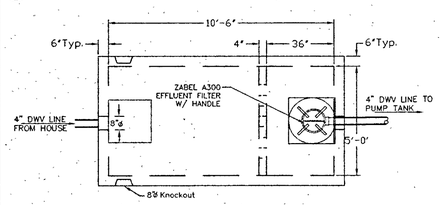
2 SECTION THROUGH LATERAL TRENCH
N.T.S.



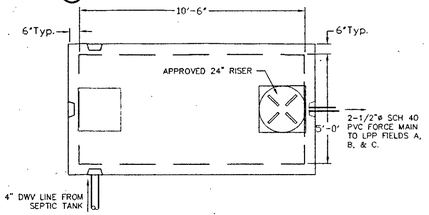
3 SECTION VIEW- DEH APPROVED 1500 GAL SEPTIC TANK
N.T.S.



4 SECTION VIEW- DEH APPROVED 1500 GAL PUMP TANK
N.T.S.



5 PLAN VIEW- DEH APPROVED 1500 GAL SEPTIC TANK
N.T.S.



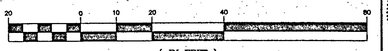
6 PLAN VIEW- DEH APPROVED 1500 GAL PUMP TANK
N.T.S.

LPP FIELD- LATERAL TABLE

18 Lines at 45 LF each - Manifold Placement: End

LATERAL	LENGTH	ELEV	REL. PRES. HEAD	ORIFICE DIA. (FEET)	GPM/ ORIFICE	Distance From Manifold to First Orifice	Number of Holes	Distance From Last Hole to end of Lateral	ORFICE SPACING (INCHES)	TOTAL NO. OF HOLES	GPM/ LINE	GPM/ FOOT OF LINE
A1	45	97.5	2.0	0.0130208	0.41	60.0	8.0	60.0	**60.0**	**8**	3.26	0.0723
A2	45	97.0	2.5	0.0130208	0.45	72.0	7.0	72.0	**66.0**	**7**	3.18	0.0706
A3	45	96.5	3.0	0.0130208	0.50	90.0	6.0	90.0	**72.0**	**6**	2.99	0.0665
A4	45	96.5	3.0	0.0130208	0.50	102.0	6.0	78.0	**72.0**	**6**	2.99	0.0665
A5	45	96.5	3.0	0.0130208	0.50	78.0	6.0	102.0	**72.0**	**6**	2.99	0.0665
A6	45	96.5	3.0	0.0130208	0.50	102.0	6.0	78.0	**72.0**	**6**	2.99	0.0665
A7	45	96.0	3.5	0.0130208	0.54	108.0	5.0	120.0	**78.0**	**5**	2.69	0.0598
A8	45	96.0	3.5	0.0130208	0.54	120.0	5.0	108.0	**78.0**	**5**	2.69	0.0598
											23.79	
B1	45	97.5	2.0	0.0130208	0.41	60.0	8.0	60.0	**60.0**	**8**	3.26	0.0723
B2	45	97.5	2.0	0.0130208	0.41	72.0	8.0	48.0	**60.0**	**8**	3.26	0.0723
B3	45	97.5	2.0	0.0130208	0.41	48.0	8.0	72.0	**60.0**	**8**	3.26	0.0723
B4	45	97.0	2.5	0.0130208	0.45	60.0	7.0	84.0	**66.0**	**7**	3.18	0.0706
B5	45	96.5	3.0	0.0130208	0.50	84.0	6.0	96.0	**72.0**	**6**	2.99	0.0665
B6	45	96.0	3.5	0.0130208	0.54	120.0	5.0	108.0	**78.0**	**5**	2.69	0.0598
											18.63	
C1	45	94.0	2.0	0.0130208	0.41	84.0	8.0	96.0	**72.0**	**6**	2.44	0.0543
C2	45	93.5	2.5	0.0130208	0.45	108.0	5.0	120.0	**78.0**	**5**	2.27	0.0506
C3	45	93.0	3.0	0.0130208	0.50	120.0	5.0	108.0	**78.0**	**5**	2.49	0.0554
C4	45	93.0	3.0	0.0130208	0.50	108.0	5.0	120.0	**78.0**	**5**	2.49	0.0554
											9.70	
TOTALS	810.0	LF								112.0	52.1	
										HOLES	GPM	

GRAPHIC SCALE



(IN FEET)
1 inch = 20 ft.

THE SAPPHIRE SPA

PART OF LOT 4, W.T. LONG PROPERTY
MAP BOOK 6, PAGE 160
REFERENCE: DEED BOOK 1561, PAGE 0031

40,011.87 SQ.FT. OR 0.9185 SQ.FT. TO ROAD R/W
2,895.29 SQ.FT. OR 0.0665 ACRE IN ROAD R/W
42,907.16 SQ.FT. OR 0.9850 ACRE TOTAL

LEGEND
E.I.P. = EXISTING IRON PIN
N.I.P. = NEW IRON PIN
R/W = RIGHT OF WAY
C/L = CENTER LINE
R.C.P. = REINFORCED CONCRETE PIPE
P.V.C. = PLASTIC PIPE
INV = INVERT
F = ENGINEER'S FLAG

NOTE:
NO N.C.G.S. MONUMENT LOCATED WITHIN 2000' OF SUBJECT PROPERTY.

NOTE:
ELEVATIONS ARE BASED ON ASSUMED 100.00 NAIL IN POLE

BEFORE YOU DIG
CALL 1-800-632-4949
N.C. ONE-CALL CENTER
IT'S THE LAW !

Filename: F:\1999\9905031\Sapphire\Spa1\U1.dwg, Thu May 06 16:28:08 1999

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Owner: _____ Approved: _____ Date of Issue: MAY 7 1999

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GAVIN PARTNERS, LLC
3608 Marbury Road
Charlotte, NC 28269
704-597-2765

SEPTIC SYSTEM PLAN
THE SAPPHIRE SPA & RETREAT
KNOX RD & COLD SPRING LANE
CORNELIUS, MECKLENBURG Co., NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL SEAL 19802 ENGINEER K. BARRINGER JR.

REVISIONS	BY

Date: 5/05/99
Scale: 1"=20' 1' Contours
Drawn: JSI
Checked: BKB
Job: 99-05-03-C
Sheet U-1 of Sheets