

Environmental Services - Water Quality
Onsite Wastewater Scan Data Entry Form

PERMIT #: D046801

PIN #: 1709681204

OP DATE: 0711812012

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 SIZE

- | | | | |
|-------------------------------------|-------------------------------------|-------------------------------------|------------------|
| ☐ | ☐ | | 750 |
| ☐ | ☐ | ☐ | 900 |
| ☐ | ☐ | ☐ | 1,000 |
| ☐ | ☐ | ☐ | 1,200 |
| ☐ | ☒ | ☒ | 1,500 |
| ☐ | ☐ | ☐ | 1,800 |
| ☐ | ☐ | ☐ | 2,100 |
| ☐ | ☐ | ☐ | 2,500 |
| ☐ | ☐ | ☐ | 3,000 |
| ☐ | ☐ | ☐ | 4,000 |
| ☐ | ☐ | ☐ | 5,000 |
| ☐ | ☐ | ☐ | 8,000 |
| ☐ | ☐ | ☐ | 10,000 |
| ☐ | ☐ | ☐ | Other |
| ☒ | | ☐ | None/NA GT or PT |

DRAINFIELD SIZE(SQ. FT.)

01500

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

scr

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#: D046801 STATUS: A APP. DATE: 10/03/2011 BLDG. PERMIT#: 0120669
 PIN: 1709.02 68 1204 000 TAX MAP: 0 RECORDED: Y ORIG. PERMIT#:
 TOWNSHIP: 02 BARTON'S CREEK JURISDICTION: WC ZONING: R80W SW DEVICE: N S#:
 APPLICANT: HOMES BY DICKERSON
 2301 STONEHENGE DR STE 103
 RALEIGH, NC 27615
 (919) 291 - 3695
 USE: HD USE: 101A CONVENTIONAL ONE-FAMILY H
 EXIST USE:
 LTAR: 0.30 0.30 BEDROOMS: 5 BASEMENT: N #EMPLOYEES: 0
 SITE: ADDRESS: 128 DARTMOOR LN
 SUBDIVISION: GEORGES GRANT LOT: 04 ACRES: 1.07 EASEMENT: N LOC: SYS:
 DIRECTION: N ON SIX FORKS R INTO S/D ON NORWOOD

Well System: WATER: COMMUNITY - TYPE:

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

COMMENTS:

DESIGN FLOW: _____ gal./min. ACTUAL FLOW: 24.52 Operation Permit
 INNOVATIVE LETTER: _____

INSTALLED BY: David Towler
 PROPRIETARY SYSTEM: EzFlow
 COMMENTS:

INSTALLATION APPROVED BY: Scott Dean
 FILTER NO: 100mic 5" filter

OPERATIONS PERMIT ISSUED? ☒

OP DATE: 7/18/12

BY: Scott Dean

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.

As Built Information:

Date: 7/13/12 Benchmark: _____ Rod reading: _____ Distance to Structure: _____
 ST: 1500 gals ID#: DB-322 D.O.M.: 2-13-12 Elev.: 5'8" Distance to Well: _____
 PT: 1500 gals ID#: DB-293 D.O.M.: 1-25-12 Elev.: 6'2"
 D-box/FID/PM Elev.: 2'6 1/2" Supply Line: 15' ft. Pump/Control Panel: _____
 Line 1: 6'9" 6'8" 6'9" 6'8" Date: 7/13/12 Line 6: _____ Date: _____
 Line 2: 6'11 1/4" 6'11 1/2" 6'11" 7'1/2" Date: _____ Line 7: _____ Date: _____
 Line 3: 6'4" 6'4" 6'3 1/2" 6'4" Date: _____ Line 8: _____ Date: _____
 Line 4: 7'7" 7'4" 7'1 1/2" 7'2" Date: _____ Line 9: _____ Date: _____
 Line 5: _____ Date: _____ Line 10: _____ Date: _____
 Distance to P/L: _____ Notes:

- moved laser to check bottom of lines

- pressure manifold w/ 4 sch 40 tees installed

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USE: HD USE: 101A CONVENTIONAL ONE-FAMILY H
EXIST USE:
SITE: LTAR: 0.30 0.30 BEDROOMS: 5 BASEMENT: N #EMPLOYEES: 0 FOUNDATION DRAIN: Y
ADDRESS: 128 DARTMOOR LN
SUBDIVISION: GEORGES GRANT LOT: 04 ACRES: 1.07 EASEMENT: N LOC: SYS:
DIRECTION: N ON SIX FORKS R INTO S/D ON NORWOOD

IMPROVEMENT PERMIT

TANK SIZE: 1500 gal. PUMP Tank: _____ gal. SQ FT: 1500 INNOVATIVE MAX DEPTH LINE: 24 in.
WASTEWATER: INDIVIDUAL SEWAGE: DOMESTIC TYPE SYSTEM: III G PUMP: N P/M: N
DAILY FLOW: 600 gal/day DESIGN FEE REQ?: PAID?: WATER: COMMUNITY

COMMENTS:

IP ISSUED? Y DATE: 01/05/2012 BY: (SCR)  PHONE#: 856-6194

AUTHORIZATION FOR WASTEWATER/WATER SYSTEM CONSTRUCTION

VOID SIXTY (60) MONTHS FROM DATE OF ISSUANCE

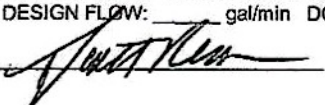
AUTHORIZATION CONDITIONS:

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. An Accepted Status System may be used in place of conventional system, if it can be placed in the permitted/authorized trench footprint (except reduction in line length and/or number as allowed for in approval) and the installation is in accordance with the accepted system approval, without unauthorized product alteration. If permit required use of an Accepted Status System, substitution with another accepted status system may be made, as long as no changes are necessary in the location of each nitrification line (including any increase in line length), trench depth or effluent distribution method. If changes are necessary, prior approval by this office is required before system installation. OTHER

CONDITIONS:

INITIAL SYSTEM IS GRAVITY FED TO 4 125' LINES, FLAGGED OUT IN FIELD BY CONSULTANT. KEEP PLUMBING ELEVATION HIGH ENOUGH TO ACCOMMODATE 24 INCH TRENCH DEPTH OR A PUMP WILL BE REQUIRED. REPAIR WILL REQUIRE PUMP SYSTEM WITH PRESSURE MANIFOLD DISTRIBUTION WHEN NEEDED. CALL OFFICE WITH ANY QUESTIONS PRIOR TO OR DURING INSTALLATION.

TANK SIZE: 1500 gal. PUMP TANK: _____ gal. SQ FT: 1500 INNOVATIVE MAX DEPTH LINE: 24 in.
MAINT: N OPER: N L/O: P TRENCH#: 4 LENGTH: 125 ft. WIDTH: 36 in. DESIGNER: _____
SUBFIELDS: _____ DESIGN HEAD PRESSURE: _____ DESIGN FLOW: _____ gal/min DOSE VOLUME: _____ gal.

CA ISSUED? Y DATE: 01/26/2012 BY: (SCR)  PHONE#: 856-6194

PLOT PLAN LOT 4 FOR: HOMES BY DICKERSON

SURVEY CERTIFICATE

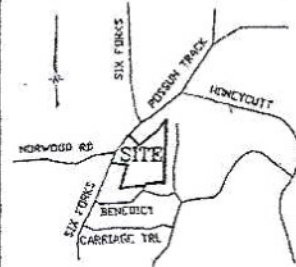
I, GEORGE C. GETTY, L-4328, AS A PROFESSIONAL LAND SURVEYOR
 IN THE STATE OF NORTH CAROLINA, DO HEREBY CERTIFY THAT THIS
 PRELIMINARY PLAT WAS DRAWN UNDER MY SUPERVISION;
 THAT THE LOT LINES ARE DRAWN AS DASHED LINES FROM SAID
 REFERENCES SHOWN HEREON; THAT THIS PRELIMINARY PLAT IS
 NOT FOR RECORDATION, CONVEYANCES OR SALES.

WITNESS MY ORIGINAL SIGNATURE AND SEAL THIS THE

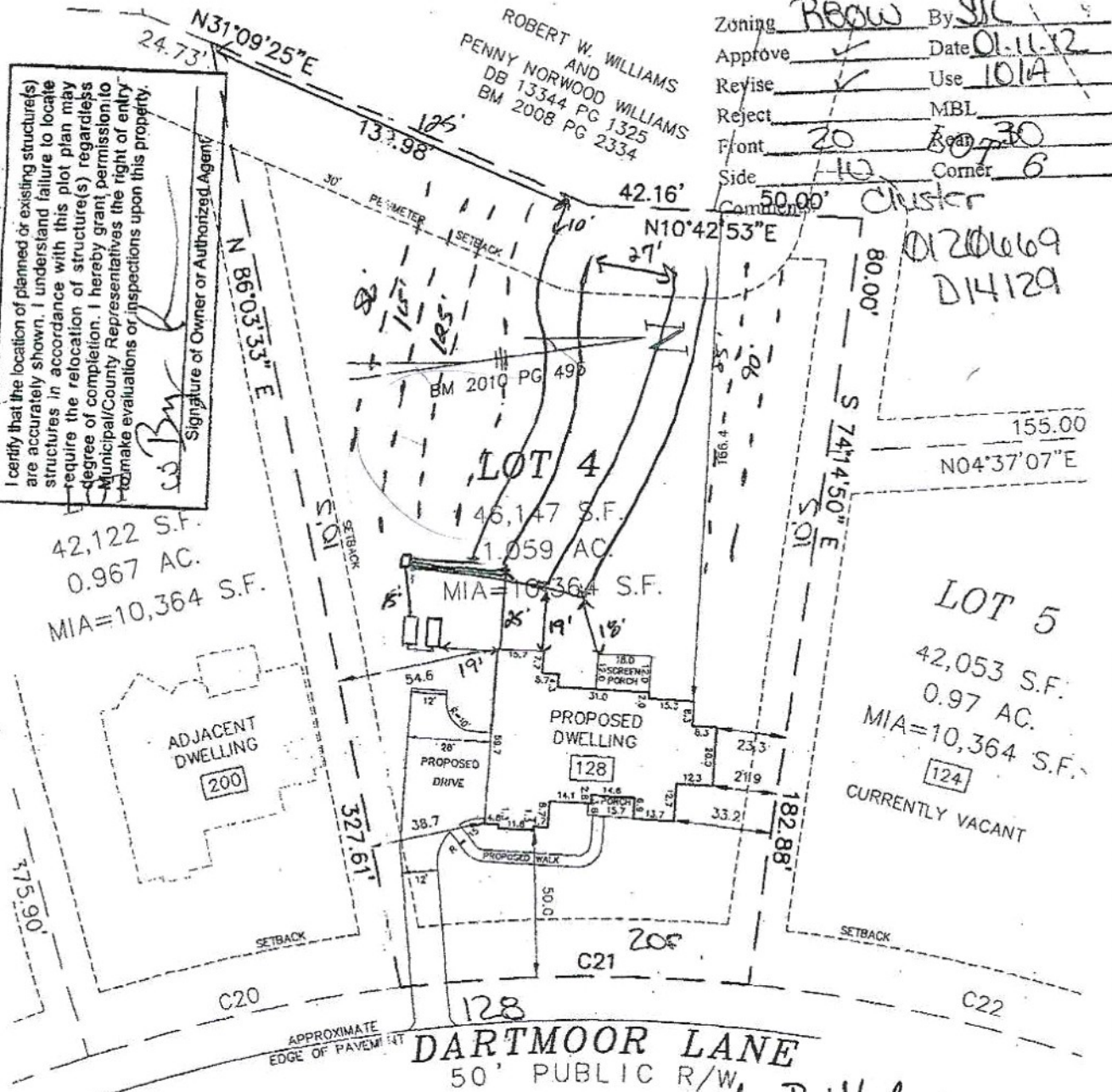
7th DAY OF January A.D. 2012

George C. Getty
 PROFESSIONAL LAND SURVEYOR

L-4328
 LICENSE NUMBER



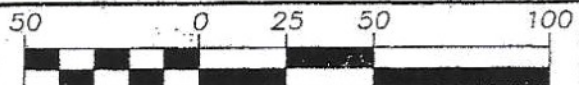
VICINITY MAP
 NOT TO SCALE



CURVE	RADIUS	ARC LENGTH	CHORD LENGTH	CHORD BEARING
C21	525.00'	117.76'	117.51'	S 07°41'29" W

LOT	STREET	BUILDING	DRIVE & WALK	TOTAL
4	128	3,481 SF	2,020 SF	5,501 SF

- NOTES:
- BOUNDARY AND BASIS OF BEARING BASED ON BM 2110 PG 495
 - REFER TO BM 2007 PG 1083-1084 FOR ADDITIONAL INFORMATION NOT SHOWN HEREON
 - SETBACKS SHOWN TO PROPOSED FOUNDATION MASSORY



PLOT PLAN LOT 4 FOR: HOMES BY DICKERSON

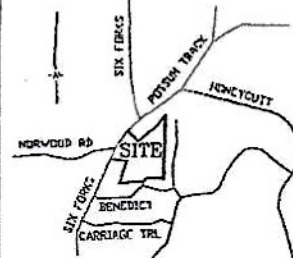
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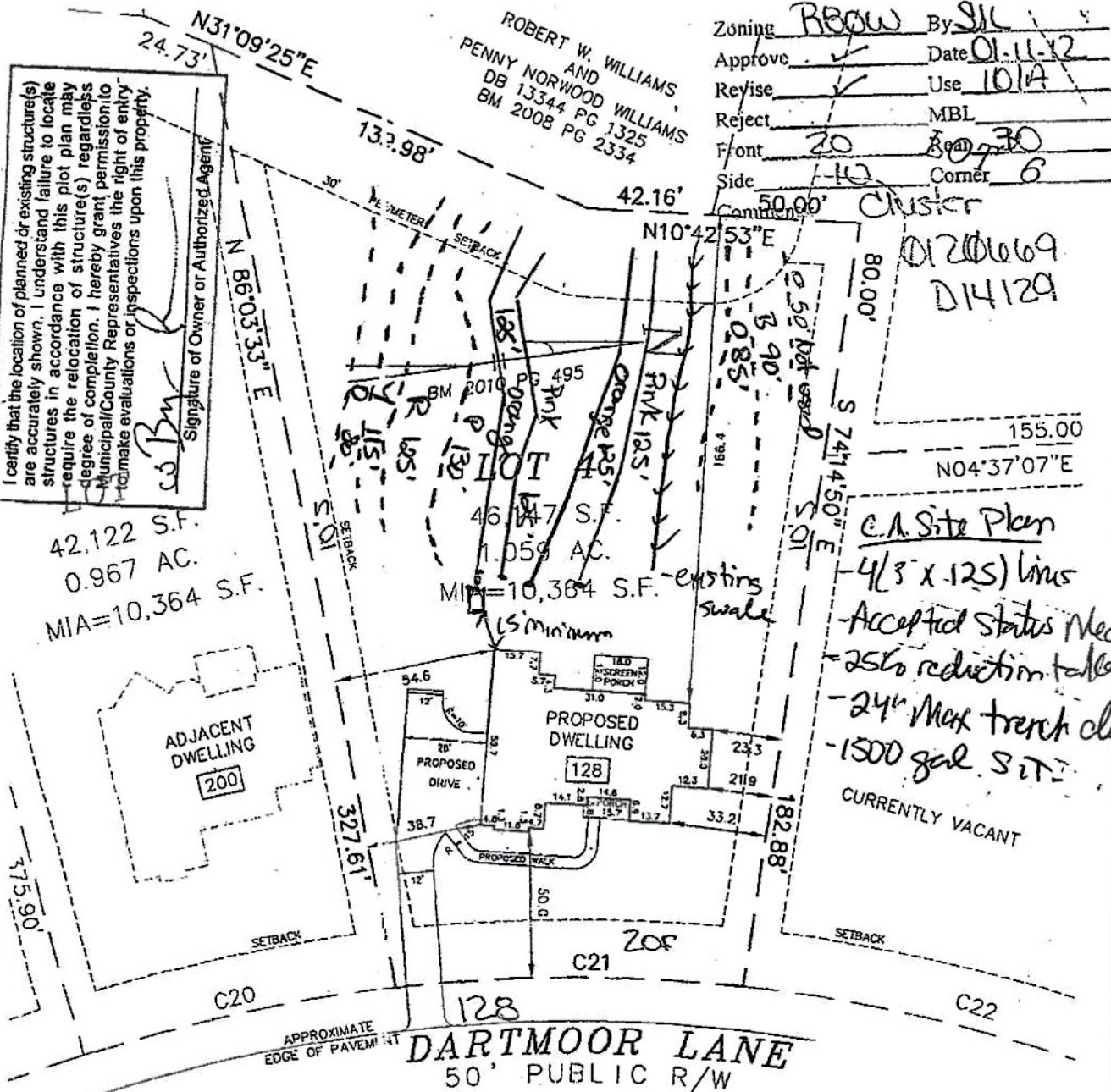
WITNESS MY ORIGINAL SIGNATURE AND SEAL THIS THE

7th DAY OF January A.D., 2012

George C. Getty L-4328
 PROFESSIONAL LAND SURVEYOR LICENSE NUMBER



VICINITY MAP NOT TO SCALE



CURVE	RADIUS	ARC LENGTH	CHORD LEN	CHORD BEARING
C21	525.00'	117.76'	117.51'	S 07°41'29" W

IMPERVIOUS AREA CHART				
LOT	STREET	BUILDING	DRIVE & WALK	TOTAL
4	128	3,481 SF	2,020 SF	5,501 SF

NOTES:

- BOUNDARY AND BASIS OF BEARING BASED ON BM 2.110 PG 495
- REFER TO BM 2007 PG 1083-1084 FOR ADDITIONAL INFORMATION NOT SHOWN HEREON
- SETBACKS SHOWN TO PROPOSED FOUNDATION MASONRY



Tap Chart

TAP CHART

Bench Mark	5.75	is = 100.00	set at	Septic Tank						
Pump tank elev.				Pump elev.			Manifold elev.			
line	color	rod read	Elevation	length	hole size	flow/tap	gal/day	trench area	LINE	LTAR
1			105.75	80	1/2in SCH 40	7.11	87.71	240		0.365
2			105.75	115	1/2in SCH 40	7.11	87.71	345		0.254
3			105.75	125	3/4in SCH 80	10.1	124.59	375		0.332
4			105.75	130	3/4in SCH 80	10.1	124.59	390		0.319
5			105.75	85	1/2in SCH 80	7.11	87.71	255		0.344
6			105.75	90	1/2in SCH 80	7.11	87.71	270		0.325
7			105.75		NA		0.00	0		#DIV/0!
8			105.75		NA		0.00	0		#DIV/0!
9			105.75		NA		0.00	0		#DIV/0!
10			105.75		NA		0.00	0		#DIV/0!
11			105.75		NA		0.00	0		#DIV/0!
12			105.75		NA		0.00	0		#DIV/0!
		total	feet =	625	gal/min =	48.64		LTAR =		0.300
% of Dose Vol.		70		<u>Des. Flow</u>	600			(ltar + 5%)		0.32
Dose Volume		284.38		Pump Run=	12.34			(ltar W/ INOV)		0.40
Dose Pump Time		5.85		Tank Gal/IN	30			(ltar + 5%)		0.420
Drawdown in Inches		9.48		Elevation Head	0.00					