

Franklin County Health Department
Division of Environmental Health
107 Industrial Drive-Suite C
Louisburg, North Carolina 27549

PAGE 1 OF 2

Phone: 919-496-8100

SEPTIC PERMIT

Fax: 919-496-8136

Permit Number: 10973 Type: I PIN : 1882-67-8519 Date: 3/25/2019

Applicant: FIDELIS CONSTRUCTION INC Owner:
P O BOX 550
YOUNGSVILLE, NC 27596

Telephone: (919) 796-3324 Telephone:

Subdivision: HIGHCROFT (WATER) Lot Number: 11 Size: 0.67

Physical Address/ Location /Directions 110 COURTLAND DR, LOUISBURG, NC 27549

Description: LifeTime 5 Year ☒

TYPE FACIL SFD # EMPLOY 1 # BEDRMS 3 GPD 360 LTAR 0.3^{old}
TYPE WAT County TYPE SYS Pto Acc TYPE REP Pto Acc BSMT NO BST FX N/A
SIZE TANK 1000 SIZE CHB 1000 SIZE NTR 3'x300' MTD 24"

COMMENTS: Install system as designed by CCSC.
Do not cut or fill septic area.

Septic Contractors are responsible for notifying the health department for final inspections, between 8:00-9:00 AM on the day of completion, Monday - Friday. Any request for final inspections received afterwards will be scheduled the same day, if possible, or the next workday. Have permit number and owner/applicant's name ready when making the call.

Actions of representatives of state or local agencies engaged in the evaluation and determination of measures required to effect the compliance with the provisions of this permit shall in no way be taken as a guarantee that wastewater disposal systems permitted and approved will function in a satisfactory manner for any given period of time, or that such employees assume any liability for damages, consequential or direct which are caused, or may be caused, by a malfunction of this wastewater treatment and disposal system.

Proper precautions must be taken to assure the proper functioning of the system after it has been covered. Do not run any heavy equipment over the system, as soft earth will allow damage to the tank and lines. Pipe all roof drains away from the septic system site to prevent flooding of the lines from surface water. Terrace the ground to prevent excessive drainage from higher areas adjacent to the system. Do not construct driveways over any part of the septic system unless proper provisions were made when the septic system was constructed. Only grass, not trees or shrubbery, should be cultivated over the lines. All plumbing fixtures should be carefully inspected periodically and any problems repaired immediately. All septic tanks should be pumped off by a permitted pump operator on a regular schedule, not to exceed every five years.

The improvement permit and construction authorization is a site approval, for the future installation of a wastewater treatment and disposal system. Changes in ownership of the site do not affect the validity of this permit. However, any alteration of the site or soil conditions, changes in the location of the proposed facility, changes to the wastewater flow and/or characteristics, or submittal of false information with the application or misrepresentation of the property lines may subject this permit to suspension or revocation.

FOR THIS TO BE A VALID CONSTRUCTION AUTHORIZATION, A LAYOUT SHEET MUST BE ATTACHED

IMPROVEMENT PERMIT DATE 4-2-19 EHS Cynthia Evers
CONSTRUCTION AUTHORIZATION DATE 4-2-19 EHS Cynthia Evers

Visit www.franklincountyenvironmentalhealth.com for permit information and tracking.

pump fee 50.00 PR-5-19

Franklin County Health Department

Name: FIDELIS CONSTRUC

Permit Number

10973

CONTRACTOR David Truelove TANK MANU PT-DB 1000 ST-DB 1000 MANU DATE PT 5-29-19 ST 5-8-19

WELL INSTALLED YES _____

NO /

SYSTEM CODE

JE 21203-N-P

SEPTIC SYSTEM LAYOUT

(SKETCH SYSTEM LAYOUT HERE)

* See attached layout & tap charts designed by CCSC *

✓ id tanks, lines, pump, floats, alarm, & manhole

8-22-19 CKE

* NEED TO PAY PUMP FEE *

SEPTIC SYSTEM AS-BUILT

(IF DIFFERENT FROM INITIAL LAYOUT)

ON REVERSE

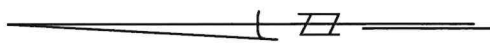
OPERATIONS PERMIT

DATE

9-5-19

EHS

Cmp Err



- System: 
- Repair: 

Repair: ~~T&T~~ Panel Pressure Mantfold
Lines: ~~7-10~~, (280-1) 300'
0.3 Soil LTAR
30" Trench Bottom

Age Group	Total (%)	Male (%)	Female (%)	Male (%)	Female (%)
18-24	100	100	100	100	100
25-34	100	100	100	100	100
35-44	100	100	100	100	100
45-54	100	100	100	100	100
55-64	100	100	100	100	100
65+	100	100	100	100	100

3-Bedroom Septic Layout
Lot 11, High Croft Subdivision
Franklin County, North Carolina

Central Carolina Soil Consulting, PLLC
1900 South Main Street, Suite 110
Wake Forest, North Carolina 27587
Phone (919)569-6704 Fax (919)569-6703

High Croft, Lot 11 Repair Tap Chart

Bench Mark		is = 100.00 Location of BM		Elevation Head					5.40
Pump tank elev.		100.00	Pump elev.	94.60	Manifold elev.				98.20
line	color	rod read	Elevation	length	hole size	flow/tap	gal/day	trench area	LINE LTAR
1	Blue	2.80	97.20	75	1/2in SCH 40	7.11	90.00	225	0.4000
2	Orange	2.80	97.20	75	1/2in SCH 40	7.11	90.00	225	0.4000
3	Pink	2.80	97.20	75	1/2in SCH 40	7.11	90.00	225	0.4000
4	Yellow	2.90	97.10	75	1/2in SCH 40	7.11	90.00	225	0.4000

total feet = 300 gal/min = 28.44 LTAR = 0.3000

LTAR + %5 0.3150

% of Dose Vol. 75 Des. Flow 360 (ltar W/ INOV) 0.4000

Dose Volume 146.51 Pump Run= 12.66 (ltar W/ INOV + 5% 0.4200

Dose Pump Time 5.15 Tank Gal/IN 19.65

Drawdown in Inches 7.46

High Croft, Lot 11 System Tap Chart

Bench Mark		is = 100.00 Location of BM		Elevation Head				5.40	
Pump tank elev.		100.00		Pump elev.	94.60		Manifold elev.		98.00
line	color	rod read	Elevation	length	hole size	flow/tap	gal/day	trench area	LINE LTAR
5	Purple	3.00	97.00	60	1/2in SCH 80	5.48	72.00	180	0.4000
6	Red	3.20	96.80	60	1/2in SCH 80	5.48	72.00	180	0.4000
7	Blue	3.40	96.60	60	1/2in SCH 80	5.48	72.00	180	0.4000
8	Orange	3.90	96.10	60	1/2in SCH 80	5.48	72.00	180	0.4000
9	Pink	4.10	95.90	60	1/2in SCH 80	5.48	72.00	180	0.4000

total feet = 300 gal/min = 27.4 LTAR = 0.3000

LTAR + %5 0.3150

% of Dose Vol. 75 Des. Flow 360 (ltar W/ INOV) 0.3000

Dose Volume 146.25 Pump Run= 13.14 (ltar W/ INOV + 5% 0.3150

Dose Pump Time 5.34 Tank Gal/IN 19.65

Drawdown in Inches 7.44



Health Department
107 Industrial Drive, Suite C
Louisburg, NC 27549
Phone: 919-496-2533
Fax: 919-496-8127
www.franklincountync.us

FRANKLIN COUNTY ENVIRONMENTAL HEALTH

SEPTIC SYSTEM PUMP REQUIREMENTS

PUMP SYSTEM FEE

An additional fee of fifty dollars (\$50.00) is assessed when a pump and related components are required for a new septic system. This fee must be paid prior to the Operations Permit being issued. Franklin County Environmental Health request the fee is paid before beginning the septic installation to make the final inspection go smoothly. *The septic permit will not be signed off and a CO cannot be obtained until this fee is paid.* This fee may be paid in person or by mail at:

Franklin County Health Department
Environmental Health Section
107 Industrial Dr, Suite C
Louisburg NC 27549

When making payment, please provide the permit number and the applicant name to ensure the payment is applied to the correct permit.

PUMP TO GRAVITY DISTRIBUTION

Unless otherwise noted on your septic permit or related attachments, the minimum type distribution method for your septic system is by means of a distribution box (D-box). This is achieved by pumping the wastewater to a D-box and allowing gravity to naturally disperse the wastewater equally to each drain line. This type distribution may be used for up to four (4) drain line laterals. The D-box should be watertight. The supply line is to be terminated in the D-box with a 90 degree elbow directed downwards to prevent a "swirling" action of the wastewater. The D-box location should be marked on-site to make it easily identifiable and prevent damage.

REQUIREMENTS FOR PUMP SYSTEMS
(Pump to conventional, pressure manifold, or LPP)

The following requirements must be met, in addition to the requirements on the permit itself:

Tanks and Risers-

- all tanks shall be constructed according to plans which have been approved by the Division of Environmental Health
- pump tanks shall have a riser which extends to at least 6" above the finished grade (riser is recommended on septic tank)
- pump tanks should be of "one piece" construction; if not, it shall be tested for water tightness by the approved method (if a soil wetness condition exist within 5' of the tank top)
- risers must be properly sealed to the top of the tank
- pipes shall be properly sealed into the tank
- pipes and conduit must exit riser through "knock-outs" provided
- vent shall be installed on pump tank if over 30' from facility

Supply Line-

- supply line shall be Schedule 40 PVC or stronger
- supply line shall have a check-valve, gate valve, and a threaded union (in order to allow easy removal of pump)-corrosion resistant rope or chain shall also be connected to pump
- supply line into box shall be elbowed with a 90 and extended down to within 2" of the bottom of the distribution box
- supply line shall be properly sealed at pump tank and box

Electrical-

- all connections, pump controllers, and alarm components shall be enclosed in a NEMA 4X (watertight) enclosure
- enclosure shall be securely mounted on a treated 4x4 post, adjacent to the pump tank, and at least 12" above grade
- wires from pumps and control floats shall be conveyed from the riser to the control panel through sealed electrical conduit (shall be sealed to be watertight and gastight)
- original plugs shall be used, with no splices in the wire cables
- control floats shall be sealed mercury type
- control floats shall be suspended from a PVC arm or "Christmas Tree" (not from the supply line) for unrestricted movement

Alarm System-

- power to high-water alarm shall be on a separate circuit from power to the pump
- alarm shall be audible and visible to system user
- alarm system shall be NEMA 4X or equivalent if mounted outside
- NEMA 4X junction box, containing a means of disconnection for the alarm float, shall be provided adjacent to the pump tank, if the alarm panel is located inside the facility

****electrical service or a generator must be available for final inspection in order to check pump and alarm system

10973



COUNTY OF FRANKLIN

ENVIRONMENT HEALTH APPLICATION (496-8100)

Permit #: 51352

Permit Type: SEPTIC PERMIT

Date Issued: 03/22/2019

Project Address: 110 COURTLAND DR, LOUISBURG, NC 27549

Location: 110 COURTLAND DR

Size #: 0.670

Subdivision: HIGHCROFT (WATER)

Lot #: 11

Applicant: FIDELIS CONSTRUCTION INC

Phone: 919.796.3324

PO BOX 550

YOUNGSVILLE NC 27596

Owner Name:

Phone:

Address:

Tax record: 44811

Pin #: 1882-67-8519

Parcel #: F08K00 011

Zoned: R-15

Setbacks Front: 20

Rear: 15

Side: 10

Proposed Use: SFD

of bedrooms: 3

of people: 3

Township: HAR

Public Water/Sewer:

Desc: 1882-67-8519

Fees Due: \$400.00

Date Paid: 03/22/2019

* Please complete all sections below*

☐ Yes ☐ No Does this site contain any previously identified jurisdictional wetlands?
☐ Yes ☐ No Is any wastewater, other than domestic, going to be generated?
☐ Yes ☐ No Is the site subject to approval by any other public agency?

*If the answer to any of the above is "yes", applicant must submit supporting documentation.

Please indicate desired system type(s). Systems can be ranked in order of preference.

☐ Conventional ☐ Accepted ☐ Modified Conventional ☐ Alternative
☐ Other ☐ No Preference

Call Environmental Health (919.496.8100) between 8:00 - 9:00 am Monday - Friday in order to schedule an appointment with an environmental health specialist for your lot evaluation. This application for an improvement permit/construction authorization and well permit does not constitute approval for zoning, septic or building permits. It will be necessary to meet all guidelines for zoning, septic and building permits prior to construction. The permit is valid for either 60 months or without expiration, depending upon documentation submitted. (complete site plan= 60 months---complete surveyed plat=without expiration.)

Please contact the Environmental Health Department at 919.496.8100 or visit their website at www.franklincountyenvironmentalhealth.com to determine the status of your application prior to visiting the Planning & Inspections Department to obtain a building permit.

I hereby certify that I am the owner, or authorized by the owner to act as his/her legal representation. Furthermore, as legal representative (if applicable) I have advised the owner of my intention to apply for this wastewater treatment and disposal system and drinking water and well system permit.

I also certify that all of the statements made in this application and any attached documents are true, complete, and correct, to the best of my knowledge and belief, and are made in good faith. If information in this application for these improvements is falsified, changed or site is altered, then improvement permits and authorization to construct these improvements shall become invalid. Authorized county representatives are granted right of entry to make these evaluations or inspections, and to release information upon public request.

X

Print & Signature of Owner or Owner's Legal Representative

03/22/2019



COUNTY OF FRANKLIN
ENVIRONMENT HEALTH APPLICATION (496-8100)

Lot Preparation

The applicant is responsible for preparing for a site evaluation by an Environmental Health Specialist.

The applicant must address EACH of the items listed below prior to the evaluation. (Note: A separate application and site plan must be submitted for each proposed septic system/lot. An individual evaluation may encompass an area up to 3 acres in size.)

1. **Site Plan:** A site plan must be submitted with your application. the site plan must show property dimensions, the desired location and size of proposed structures (including decks, storage buildings, sheds, pools, etc), driveways, and jurisdictional wetlands (if applicable.) A sample site plan is available upon request.
2. **Property Lines:** All property lines and corners within 250 feet of the proposed house site must be clearly marked and readily identifiable. If you are proposing to subdivide property, the proposed property lines must be clearly marked.
3. **Clearing:** In order to conduct a site evaluation, the lot must be easily accessible. If fallen trees, underbrush, or other obstacles prevent free movement across the property, then clearing will be required. Soil disturbance must be minimized during the clearing process in order to avoid removing natural soil and adversely affecting site/soil characteristics.
4. **House/structure:** The proposed location of a house or any other structure must be marked on the property.
5. **Confirmation:** Once all the items listed above have been completed, the applicant may contact Franklin County Environmental Health (919-496-8100) for evaluation. The Environmental Health Specialist assigned to evaluate your lot will give you a time of when your lot evaluation should be completed.

Important:

** If a site plan is incomplete or changes are made after the on-site evaluation, a \$50.00 revisit fee may be assessed.

** If an Environmental Health Specialist arrives at the property and a site evaluation cannot be conducted because the site has not been prepared as required, the applicant will be notified and the application placed in "Inactive" status.

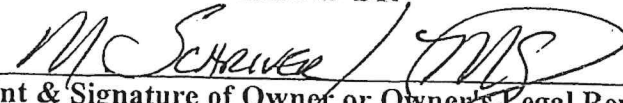
**After the site has been properly prepared, the applicant may contact Environmental Health for the application to become active again.

**A revisit fee (\$50.00) may be assessed prior to scheduling another visit to the property.

If you have any questions regarding the information listed above, please feel free to contact our office at 919-496-8100. Our office hours are Monday - Friday, from 8:00AM to 5:00PM.

My signature below indicates that I have read the information listed above and that the property will be prepared for an evaluation in accordance with these instructions before scheduling an evaluation. I understand that if the conditions outlined above have not been met, the application will be placed on "Inactive" status and a \$50.00 revisit fee may be assessed before rescheduling.

Location: 110 COURTLAND DR

X 
Print & Signature of Owner or Owner's Legal Representative

03/22/2019

Franklin County Development Permit

Zoning Permit #: X2747

RESIDENTIAL



ADDRESS: 110 COURTLAND DR

PARCEL NO.: 1882-67-8519

ZONING: R-15

SUBDIVISION: HIGHCROFT (WATER)

LOT: 11

ISSUED TO: FIDELIS CONSTRUCTION INC

PO BOX 550

YOUNGSVILLE NC 27596

PHONE NUMBER: 919.796.3324

SETBACK: FRONT: 20

RIGHT: 10

LEFT: 10

REAR: 15

COUNTY WATER: YES

FLOODPLAIN: NO

MISC FEE:

PERMIT TYPE: ZONING PERMIT

TYPE OF CONSTRUCTION: SFD - NEW SEPTIC/COUNTY WATER

PERMIT DATE: 03/22/2019

WATERSHED NO

TOWNSHIP HAR

EXPIRE DATE: 09/22/2019

3

It is hereby certified that the above use as shown on the plats and plans submitted with this application conforms with all applicable provisions of the Franklin County Zoning Ordinance. The issuance of this application does not allow the violation of Franklin County Zoning Ordinance or other governing regulations. The applicant is responsible for obtaining a building permit (if required) prior to commencing work on the proposed improvement. A final zoning inspection must be scheduled by the applicant.

NOTES: STREET TREES PRIOR TO C/O

I hereby certify that all information I have provided to the Planning Department is true and accurate.

APPLICANTS SIGNATURE:

[Signature]

UTILITY COMPANY: PROGRESS ENERGY ~~WAKE ELECTRIC~~ ~~OTHER~~

NUMBER OF STORIES: 1 1 1/2 2 2 1/2
SQUARE FOOTAGE: HEATED 1840 UNHEATED 834 TOTAL 2674
BASEMENT: YES NO
FIREPLACE: NO MASONARY MANUFACTURED ✓
PLAN SETS: MODULAR STICKBUILT ✓

NAME OF:

ELECTRICIAN: HOUSE

MECHANICAL: SELECT

PLUMBING: ALLIANCE

COST OF CONSTRUCTION: 145,000

NO MORE THAN 2 STRUCTURAL DEVIATIONS OR PLANS MUST BE REDRAWN

DEPARTMENTAL USE ONLY

	INITIALS (IN)	DATE	INITIALS (OUT)	DATE
ZONING	<u>RR</u>	<u>3/22/19</u>		
INITIAL PERMITTING				
ADDRESSING				
PLAN REVIEW				
FIRE REVIEW				
SEPTIC/SEWER				
FINAL PERMITTING				

4F.
PRIL DENTON
PG. 584
PG. 420
-67-2827

NOT TO SCALE

N.C.S.R. 1411-60' PUBLIC R/W

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10.0' OPEN SPACE EASEMENT
FOR LANDSCAPE BUFFER
ALONG COOKE ROAD & FLAT
ROCK CHURCH ROAD
(TO BE MAINTAINED BY HOA)

6
23,000 sq. ft.
0.528 AC.

7
23,000 sq. ft.
0.528 AC.

8
24,326 sq. ft.
0.558 AC.

9
26,748 sq. ft.
0.614 AC.

10

11

10.0' OPEN SPACE EASEMENT
FOR LANDSCAPE BUFFER
ALONG COOKE ROAD & FLAT
ROCK CHURCH ROAD
(TO BE MAINTAINED BY HOA)

10.0' UTILITY EASEMENT

PROFESSIONAL

COURTLAND DRIVE 50' PUBLIC R/W

6158-L9-2881

59

85

95

194

117.84'

73.80'

117.84'

117.84'

117.84'

117.84'

117.84'

117.84'

117.84'

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM
(Complete all fields in full)

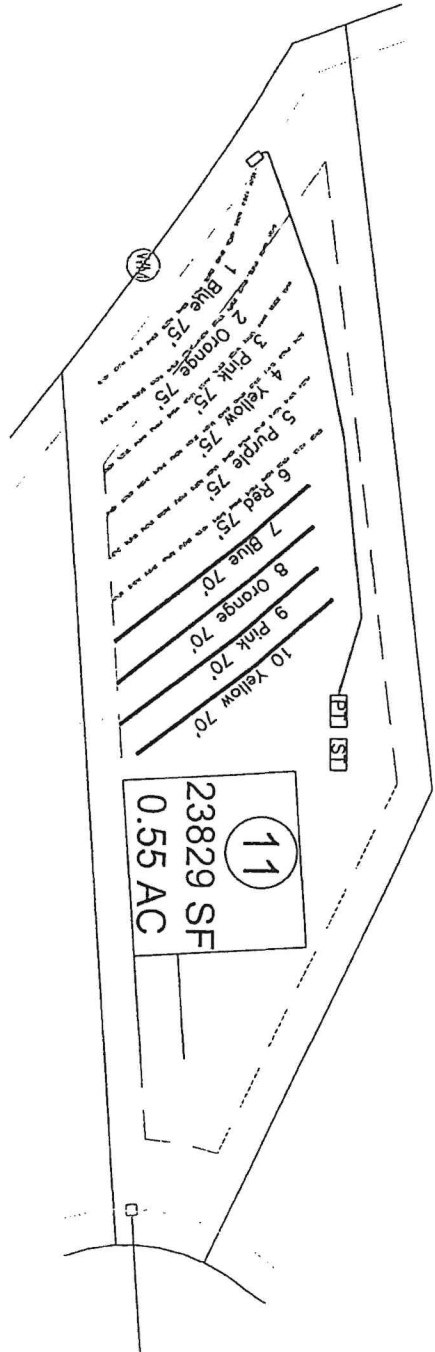
OWNER: Fidelis Const. APPLICATION DATE 3-22-19
ADDRESS: DATE EVALUATED: 3-28-19
PROPOSED FACILITY: SFD PROPOSED DESIGN FLOW (.1949): 360 PROPERTY SIZE: 0.67
LOCATION OF SITE: 110 Courtland Drive PROPERTY RECORDED:
WATER SUPPLY: ☐ Private ☒ Public ☐ Well ☐ Spring ☐ Other
EVALUATION METHOD: ☒ Auger Boring ☐ Pit ☐ Cut TYPE OF WASTEWATER: ☒ Sewage ☐ Industrial Process ☐ Mixed

P R O F I L E #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941)		OTHER PROFILE FACTORS				PROFILE CLASS & LTAR
			.1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	.1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	
1	LS 3%	0-4	GR / SL	VFP, NS, NP					P 0.3
		4-12	BK / SCL	FL SS SP / seq					
		12-36	BK / SC	Fi SS, SG / seq		36"			
		36							
2	LS 4%	0-8	GR / SL	VFP, NS, NP					P 0.3
		8-13	BK / SCL	FL SS SP / seq					
		13-36	BK / SC	Fi SS SP / seq		36"			
		36	SAT						
3									
4									

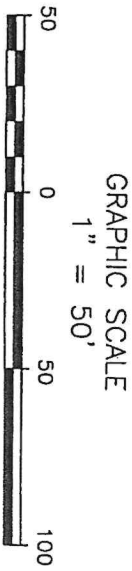
DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM	OTHER FACTORS (.1946):
Available Space (.1945)	yes	yes	SITE CLASSIFICATION (.1948): <u>P</u>
System Type(s)	Ph Au	T&J	EVALUATED BY: <u>Crystal Enm</u>
Site LTAR	0.3	0.3	OTHER(S) PRESENT: <u></u>

COMMENTS: Layout done by Soil consultant

Layout approved 3-28-19 CRE



- *Keep tanks and drain lines 10' from property lines.
- *Not a survey.
- *Not a guarantee of a septic permit.
- *Keep supply lines >5' from property lines.
- *Some lines are flagged longer in the field than lengths indicate.
- *No grading septic area.



System: Pressure Manifold
 Lines: 1-6, (450')
 Accepted Status System
 0.3 Soil LIAR
 24" Trench Bottom

Repair: T&J Panel
 Lines: 7-10, (280')
 Accepted Status System
 0.3 Soil LIAR
 30" Trench Bottom

System:
 Repair:
 VA 001 LINE 1514 00



Central Carolina Soil Consulting, PLLC
 1900 South Main Street, Suite 110
 Wake Forest, North Carolina 27587
 Phone (919)569-6704 Fax (919)569-6703

4-Bedroom Septic Layout
 Lot 11, High Croft Subdivision
 Franklin County, North Carolina

Job# : 2243
 Drawn By : JR
 Date : 11/05/2018
 Revision:

High Croft, Lot 11 TAP CHART

Bench Mark		is = 100.00	Location of BM		Elevation Head				5.40
Pump tank elev.		100.00	Pump elev.	94.60	Manifold elev.				98.20
line	color	rod read	Elevation	length	hole size	flow/tap	gal/day	trench area	LINE LTAR
1	Blue	2.80	97.20	75	1/2in SCH 40	7.11	80.00	225	0.3556
2	Orange	2.80	97.20	75	1/2in SCH 40	7.11	80.00	225	0.3556
3	Pink	2.80	97.20	75	1/2in SCH 40	7.11	80.00	225	0.3556
4	Yellow	2.90	97.10	75	1/2in SCH 40	7.11	80.00	225	0.3556
5	Purple	3.00	97.00	75	1/2in SCH 40	7.11	80.00	225	0.3556
6	Red	3.20	96.80	75	1/2in SCH 40	7.11	80.00	225	0.3556
		total	feet =	450	gal/min =	42.66	<u>LTAR =</u>		0.3000
							<u>LTAR + %5</u>		0.3150
% of Dose Vol.	75	<u>Des. Flow</u>		480			(ltar W/ INOV)		0.4000
Dose Volume	219.64	Pump Run=		11.25			(ltar W/ INOV + 5%		0.4200
Dose Pump Time	5.15	Tank Gal/IN		19.65					
Drawdown in Inches	11.18								

High Croft, Lot 11 Repair TAP CHART

Bench Mark		is = 100.00		Location of BM		Elevation Head			5.40	
Pump tank elev.		100.00		Pump elev.		94.60		Manifold elev.		97.60
line	color	rod read	Elevation	length	hole size	flow/tap	gal/day	trench area	LINE LTAR	
7	Blue	3.40	96.60	70	1/2in SCH 40	7.11	120.00	210	0.5714	
8	Orange	3.90	96.10	70	1/2in SCH 40	7.11	120.00	210	0.5714	
9	Pink	4.10	95.90	70	1/2in SCH 40	7.11	120.00	210	0.5714	
10	Yellow	5.00	95.00	70	1/2in SCH 40	7.11	120.00	210	0.5714	
		total	feet =	280	gal/min =	28.44	<u>LTAR =</u>		0.3000	
						<u>LTAR + %5</u>		0.3150		
% of Dose Vol.		75	<u>Des. Flow</u>		480	(ltar W/ INOV)		0.6000		
Dose Volume		136.50	Pump Run=		16.88	(ltar W/ INOV + 5%		0.6300		
Dose Pump Time		4.80	Tank Gal/IN		19.65					
Drawdown in Inches		6.95								