

Environmental Services - Water Quality
Onsite Wastewater Scan Data Entry Form

PERMIT #: **D 0 5 5 6 1 8**

PIN #: **1 6 0 7 0 2 8 5 8 4**

OP DATE: **0 3 / 2 9 / 2 0 1 7**

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 1250 ST |
| ☒ | ☐ | ☐ | None/NA GT or PT |

DRAINFIELD SIZE(SQ. FT.)

0 1 2 0 0

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#: **D055618** STATUS: **A** APP. DATE: **07/28/2016** BLDG. PERMIT#: **0170277**
PIN: **1607 02 8584 000** TAX MAP: **0** RECORDED: **Y** ORIG. PERMIT#: _____
TOWNSHIP: **15 PANTHER BRANCH** JURISDICTION: **WC** ZONING: **R30** SW DEVICE: **N S#:** _____
APPLICANT: **SAVVY HOMES** (919) 781 - 8104
8025 CREEDMOOR RS STE 100 RALEIGH, NC 27613
USE: HD USE: **101A CONVENTIONAL ONE-FAMILY HOUSE** EXIST USE: _____
LTAR: **0.35 0.35** BEDROOMS: **4** BASEMENT: **N** #EMPLOYEES: **0**
SITE: ADDRESS: **432 SEABRING LN**
SUBDIVISION: **BLALOCKS GLEN** LOT: **53** ACRES: **0.61** EASEMENT: **N** LOC: **SYS:**
DIRECTION: **401S TO OLD STAGE TO WALNUT COVE TO WILLOW WINDS S/D ON L**

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: COMMUNITY WATER

Operation Permit

DESIGN FLOW: _____ gal./min. ACTUAL FLOW: _____ DOSE VOLUME: _____ gal. INNOVATIVE LETTER: _____
INSTALLED BY: Jay Adcock INSTALLATION APPROVED BY: [Signature]
PROPRIETARY SYSTEM: 22 FLOW TYPE SYSTEM: III B
COMMENTS: _____
OPERATIONS PERMIT ISSUED? Y OP DATE: 3/29/17 BY: [Signature]

Systems defined as either a Type IIIb, IIIg with a pump, IV, V or VI, in accordance with the North Carolina Administrative Code 15A NCAC 18A .1961, Table V as adopted by reference in the "Regulations Governing Wastewater Treatment and Dispersal Systems in Wake County", require Wake County Environmental Services to conduct periodic inspections on this type system, pursuant to 15A NCAC 18A .1961 (j). Fees for these inspections will be charged as per the approved Fee Schedule. In addition, all systems are to be operated and maintained as specified in 15A NCAC 18A .1961. 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: 3-29-17 Benchmark: T51 Rod reading: 1'8" Distance to Structure: _____
ST: 1250 gals ID#: MCP STB 381 D.O.M.: 10-12-10 Elev.: _____ Distance to Well: _____
PT: _____ gals ID#: _____ D.O.M.: _____ Elev.: _____ Distance to P/L: _____
GT: _____ gals ID#: _____ D.O.M.: _____ Elev.: _____ Pretreatment: _____
D-box/FD/PM elev.: 2'6" Supply Line: 34' ft. Pump/Ctrl Panel: _____ Filter: Polyble
Line 1: 4'5 1/2" Date: _____ Line 6: _____ Date: _____
Line 2: 4'11 1/2" Date: _____ Line 7: _____ Date: _____
Line 3: 5'4" Date: _____ Line 8: _____ Date: _____
Line 4: 5'11 1/2" Date: _____ Line 9: _____ Date: _____
Line 5: _____ Date: _____ Line 10: _____ Date: _____
ETM1: _____ CC1: _____ ETM2: _____ CC2: _____ OR: _____ AC: _____ WM: _____
Notes: _____

** No Pump Needed.*

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

PERMIT#: D055618 STATUS: A APP. DATE: 07/28/2016 BLDG. PERMIT#: 0170277
PIN: 1607 02 8584 000 TAX MAP: 0 RECORDED: Y ORIG. PERMIT#:
TOWNSHIP: 15 PANTHER BRANCH JURISDICTION: WC ZONING: R30 SW DEVICE: N S#:
APPLICANT: SAVVY HOMES (919) 781 - 8104
8025 CREEDMOOR RS STE 100 RALEIGH, NC 27613
HD USE: 101A CONVENTIONAL ONE-FAMILY HOUSE EXIST USE: DESIGN FEE REQ?: PAID?:
LTAR: 0.35 0.35 BEDROOMS: 4 BASEMENT: N #EMPLOYEES: 0 FOUNDATION DRAIN: Y
SITE: ADDRESS: 432 SEABRING LN
SUBDIVISION: BLALOCKS GLEN LOT: 53 ACRES: 0.61 EASEMENT: N LOC: SYS:
DIRECTION: 401S TO OLD STAGE TO WALNUT COVE TO WILLOW WINDS S/D ON L

IMPROVEMENT PERMIT

As per GS 130A-335 (f), Improvement Permit is based on a Site Plan and is void Sixty (60) months from date of issuance: ☐

As per GS 130A-335 (f), Improvement Permit is based on a Plat and is valid without expiration: ☐

Permit is subject to revocation if the site plan or plat, whichever is applicable, or the intended use changes.

TANK SIZE: 1200 gal. PUMP Tank: 1200 gal. GREASE TRAP: gal. SQ FT: 1200 ACCEPTED STATUS MAX DEPTH LINE: 24 in.
WASTEWATER: INDIVIDUAL SEWAGE: DOMESTIC TYPE SYSTEM: III B PUMP: Y P/M: N LP: TD:
DAILY FLOW: 480 gal/day WATER: COMMUNITY PRETREATMENT: NA FILL: DAF: PB DEEP: REDUCE35%:

COMMENTS:

IP ISSUED? Y DATE: 09/01/2016 BY: (AYA) Alan Alcock PHONE#: (919)-868-2560

AUTHORIZATION FOR WASTEWATER/WATER SYSTEM CONSTRUCTION

VOID SIXTY (60) MONTHS FROM DATE OF ISSUANCE

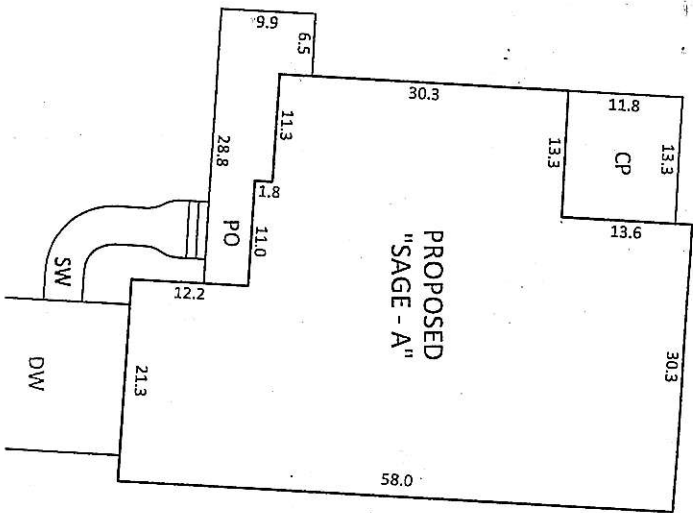
AUTHORIZATION CONDITIONS:

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: INSTALL (4) - 3' WIDTH X 100' LENGTH ACCEPTED STATUS LINES; INSTALL ON CONTOUR AND MAINTAIN ALL SETBACKS; RE-FLAG SYSTEM AND PROPERTY LINES (IF NECESSARY) PRIOR TO INSTALLATION; SYSTEM IS PUMP TO M. TEE; CALL WITH QUESTIONS PRIOR TO INSTALLATION

TANK SIZE: 1200 gal. PUMP TANK: 1200 gal. GREASE TRAP: gal. SQ FT: 1200 ACCEPTED STATUS MAX DEPTH LINE: 24 in.
MAINT: N OPER: N L/O: Y TRENCH#: 4 LENGTH: 100 ft. WIDTH: 36 in. DESIGNER:
SUBFIELDS: _ DESIGN HEAD PRESSURE: _ DESIGN FLOW: _ gal/min DOSE VOLUME: _ gal. PRETREATMENT: NA

CA ISSUED? Y DATE: 09/01/2016 BY: (AYA) Alan Alcock PHONE#: (919)-868-2560



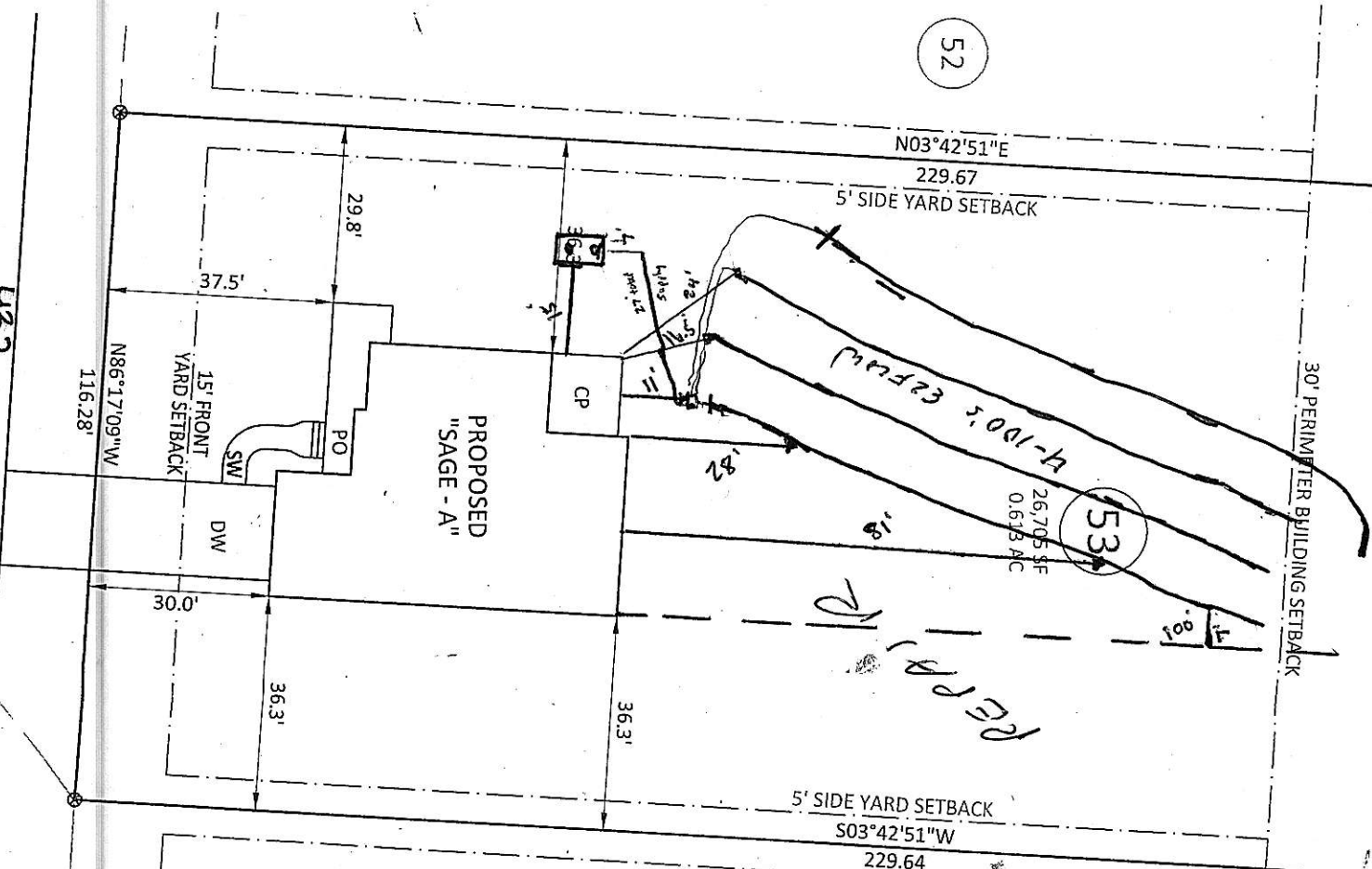
INSET SCALE: 1" = 20'

NOTES:

1. THIS SURVEY WAS PREPARED BY BATEMAN CIVIL SURVEY CO., UNDER THE SUPERVISION OF STEVEN P. CARSON, PLS.
2. THIS PLAN HAS BEEN PREPARED FOR LAYOUT AND PERMITTING PURPOSES ONLY.
3. THIS IS NOT A BOUNDARY SURVEY. PROPERTY LINES SHOWN WERE TAKEN FROM EXISTING FIELD EVIDENCE, EXISTING DEEDS AND PLATS OF PUBLIC RECORD, AND INFORMATION SUPPLIED TO THE SURVEYOR BY THE CLIENT.
4. VERTICAL DATUM IS ASSUMED. THE LATITUDE, LONGITUDE AND STATE PLANE COORDINATES, IF SHOWN, ARE GIVEN IN NORTH AMERICAN DATUM OF 1983 (NAD83).
5. FIELD EQUIPMENT USED: NIKON TOTAL STATION, EPOCH 35.
6. ALL DISTANCES ARE HORIZONTAL GROUND DISTANCES AND ALL BEARINGS ARE NORTH CAROLINA STATE PLANE COORDINATE SYSTEM UNLESS OTHERWISE SHOWN.
7. THIS MAP IS NOT A CERTIFIED SURVEY AND HAS NOT BEEN REVIEWED BY A LOCAL GOVERNMENT AGENCY FOR COMPLIANCE WITH ANY APPLICABLE LAND DEVELOPMENT REGULATIONS.
8. THE PROPERTY LIES IN ZONE "X" PER NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAP NUMBER 3720160700J, DATED MAY 2, 2006.
9. ZONING IS R-30.
10. PROPERTY OWNER: SAVVY HOMES
8025 CREEDMOOR ROAD
SUITE #100
RALEIGH, NC 27613

AS BUTT
THOMAS ERIC BLALOCK
BM 2004, PG 630

LOT INFORMATION:
PIN: IN REVIEW
TOTAL LOT AREA = 0.613 AC = 26,705 SF
MAXIMUM IMPERVIOUS = 8,950 SF
HOUSE = 2,058 SF
DRIVEWAY = 480 SF
SIDEWALK = 92 SF
PORCH = 190 SF
CP = 158 SF
PROPOSED IMPERVIOUS = 2,978 SF
PERCENT IMPERVIOUS = 11.2 %

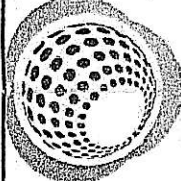


I certify that the location of planned or existing structure(s) are accurately shown. I understand failure to locate structures in accordance with this plot plan may require the relocation of structure(s) regardless degree of completion. I hereby grant permission to Municipal/County Representatives the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

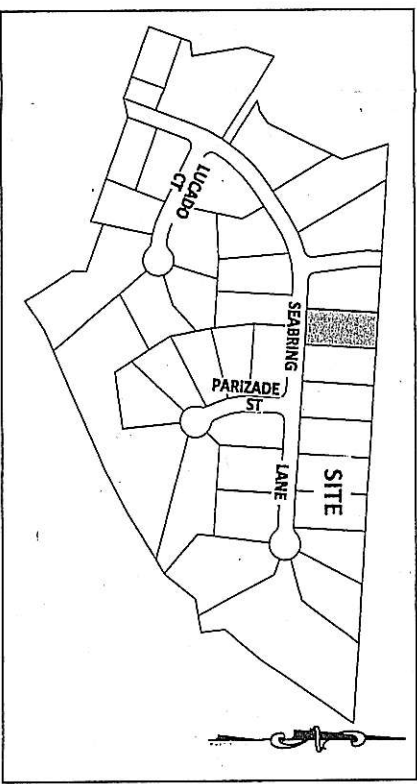
Signature of Owner or Authorized Agent
Date: 7-28-16
By: RAS

Side	Front	Rear	MBL	Use	Date	By	Zoning
Comments: SPT (10/14)	13	15	10/14	7-28-16	RAS	R30	Approve
Corner							Reject

BM2016PG1007-1009



Bateman Civil Survey Company
Engineers • Surveyors • Planners
2524 Reliance Ave., Apex, NC 27539 Ph: 919.577.1080 Fax: 919.577.1061
www.batemancivilsurvey.com info@batemancivilsurvey.com
NCBELS Firm No. C-2378



VICINITY MAP
(Not to Scale)

I hereby certify that this map is correct and that the building lies wholly on the lot and that there are no visible encroachments on said lot.

Steven P. Carson, PLS 4752
Date

- LEGEND
- PO = PORCH
 - CP = COVERED PORCH
 - P = CONCRETE PATIO
 - WD = WOOD DECK
 - SW = SIDEWALK
 - DW = CONC DRIVEWAY
 - DG = DETACHED GARAGE
 - ⊗ = COMPUTED POINT
 - = IRON PIPE FOUND
 - ⊙ = IRON PIPE SET
 - ⦿ = DRILL HOLE FOUND
 - ⦿ = WATER METER
 - CO = CLEAN OUT
 - AC = AIR CONDITIONER
 - ⊙ = SEWER MANHOLE
 - ⊙ = ELECTRIC BOX
 - ⊙ = CABLE BOX
 - ⊙ = TELEPHONE PEDESTAL
 - CI = CURB INLET
 - TUA = TRANSITIONAL USE AREA
 - ⊙ = LIGHT POLE
- BUILDING SETBACKS:
FRONT = 15 ft
REAR = 15 ft
SIDE = 5 ft
Corner Side = 15 ft
- APPROVAL FOR STAKING:
THIS PLOT PLAN AS PREPARED BY BATEMAN CIVIL SURVEY CO., IS CORRECT AND IS HEREBY APPROVED FOR STAKING ON THE DATE AS SHOWN BELOW.
- SAVVY HOMES REPRESENTATIVE _____ DATE _____

PRELIMINARY PLOT PLAN

FOR
SAVVY
HOMES

RESOURCES: FULL LIVING

BLALOCK'S GLEN - PHASE THREE - LOT 53
432 SEABRING LANE, RALEIGH, NC
WAKE COUNTY

DATE: 7/21/16 DRAWN BY: JKF CHECKED BY: SPC
REFERENCE: BM 2016, PGS 1007-1009 BCS#150405 SCALE: 1" = 30'

WAKE COUNTY DEPARTMENT OF ENVIRONMENTAL SERVICES

4 TAP PRESSURE MANI-TEE DESIGN

Name: SAVVY HOMES P.I.N. #: 1607 02 8584 D#: 55618
 Address: 432 SEABRING LN. Subdiv: BLALOCKS GLEN Lot#: 53
 # of BDR: 4 Daily Flow: 480 gal/day L.T.A.R.: 0.35 gal/day/sq.ft
 Septic Tank: 1200 gals Pump Tank: 1200 gals Sq. Foot: 1200 Stone Depth: AS
 Number of Taps: 4 Length of Trenches: 400 ft(See Tap Chart for Details)
 Depth of Trenches: 24 in Manifold Length: 42 in
 Manifold Diameter: 2in sch 40pvc Mani-Tee Tap Configuration: 6 in spacing 1 side(s) of manifold
 Supply Line: length: 40 ft Diameter: 2 in sch 40pvc
 Friction Loss + Fitting Loss: 2.08 ft(supply line length + 70' for fittings in pump tank)
 Design Head: 2 ft Elevation Head: 6.00 ft
 Total Head: 10.08 ft Pump to Deliver: 28.44 gals/min at 10.08 ft head
 Dosing Volume: 195 gals,
 Drawdown: 195 gals divided by 20 gals/in = 9.8 inches

Simplex Control Panel required; elapsed time meter and cycle counter required; Floats to be determined by type of pump tank used. A septic tank filter is required.

TAP CHART

Bench Mark	is = 100.00		set at		Design Head:					2
Pump tank elev.			100.00	Pump elev.	95.00	Manifold elev.			101.00	
line	color	rod read	Elevation	length	hole size	flow/tap	gal/day	trench area	LINE	LTAR
1	Y		100.00	100	1/2in SCH 40	7.11	120.00	300		0.400
2	R		100.00	100	1/2in SCH 40	7.11	120.00	300		0.400
3	Pu		100.00	100	1/2in SCH 40	7.11	120.00	300		0.400
4	O		100.00	100	1/2in SCH 40	7.11	120.00	300		0.400
		total	feet =	400	gal/min =	28.44			LTAR =	0.35
% of Dose Vol.	75		Des. Flow		480			(ltar + 5%)		0.37
Dose Volume	195		Pump Run=		16.88			(ltar W/ INOV)		0.47
Dose Pump Time	6.86		Tank Gal/IN		20			(ltar + 5%)		0.49
Drawdown in Inches	9.8		Elev. Head		6.00					
Supply Line Length	40									
Comments:										

Hydraulic Profile

Manifold Elevation	101.00	40
Pump tank elev.	100.00	2
Pump elev.	95.00	0