Iowa Public Water Supply Lead and Copper Sample Sites
October 20, 2016

Community: **Prairie View Estates Association – Johnson County**

PWSID#: **5225326** **Number of Samples Required: 5 every 3yrs**

NO.	Address	Tier Level	Selection Criteria	Primary or Alt.
00				
01	2242 Banbury Street (lot 17)	1	A	Primary
02	2412 Banbury Street (lot 22)	1	A	Primary
03	2324 Kent Court (lot 32)	1	A	Primary
04	1304 Devon Drive (lot 42)	1	A	Primary
05	2368 Sussex Lane (lot 66)	1	A	Primary
06	2425 Devon Court (lot 39)	1	A	Alt.
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17				
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Lead and Copper Sampling Procedures

All lead and copper samples must be first-draw samples and must be 1 liter in volume. The water must be motionless (not used) in the plumbing system of each residence or building for a minimum of six hours. While the water cannot be used for more than six hours, do not collect samples from sites which have not been used for an extended period of time; such as a site which has had no water use for several days, i.e., a weekend.

First-draw residential samples shall be collected from the cold, hard water kitchen or bathroom sink only. First-draw nonresidential samples shall be collected from an interior, cold, hard water tap from which water is typically drawn for consumption.

Sampling sites must not include faucets which have point-of-use or point-of-entry treatment devices designed to remove inorganic contaminants. This includes devices such as filters, softeners, RO systems, etc.

First-draw samples may be collected by the system or the system may allow residents to collect samples after receiving instruction on the proper sampling procedures.

A water supply system shall collect each first-draw tap sample from the same sampling sites used in the previous round of sampling unless a change of sampling site is documented and submitted to the IDNR. (See section 3)

Sites and Situations to Avoid

Do not use

- A mop sink, outside faucet or a tap that is not generally used or intended for human consumption
- A site which is vacant *(don't make special arraignments to get access to site)*
- A site which has undergone recent (within the last 6 months) plumbing improvements or changes including faucets at the specific sample location
- A tap that has any type of treatment
- A site where the owner or resident is uncooperative

Caution

The PWS is ultimately responsible for the sample result. Improper sampling by a resident may not be grounds for invalidation of a sample result by IDNR. The PWS should provide clear instructions to the residents and should thoroughly review the information and comments provided on the sample sheet prior to submitting the sample to the laboratory.

Example of Lead and Copper Sampling Instructions for Homeowner or Resident

Please read these instructions before opening the sample bottle

Sampling Requirements

- Do not rinse or overfill the bottle
- Samples should be collected from the cold, hard water kitchen or bathroom faucet. Do not use an outdoor faucet. If you have sampled before, please use the same kitchen or bathroom faucet you have used previously.
- Before sampling, run the faucet for 2-3 minutes during general use, such as filling a glass of water, brushing teeth, or washing face, then do not use water from the faucet for at least 6 hours. For single family homes, do not use water in the whole house during the no use period. For other sampling sites that cannot discontinue water use at the entire site for 6 hours, the faucet that will be sampled is tagged out for the minimum six hours.
- Collect the sample after at least 6 hours of no use before the water in the house or building is used for anything else.

Sampling Steps

1. Open the bottle and hold under the faucet.
2. Turn the cold, hard water on to a low flow and collect the first water that comes out of the faucet. (DO NOT RUN WATER FROM THE TAP BEFORE FILLING THE BOTTLE)
3. Fill the bottle to the shoulder.
4. Place lid on bottle and tighten cap securely.
5. Fill in label completely except for the sample ID.
6. Place bottle in shipping or pickup container.
7. Return the sample to the water supply as soon as possible.

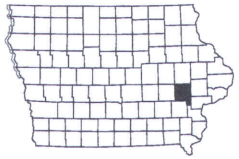
Please note on the sample sheet and notify your water supply of the following conditions:

- If any plumbing repairs or pipe replacements have been done in the last 5 years.
- If you have a water softener or other home treatment or filter.

If you have any questions contact the following:

Name: Matt Bulkeley – Operator ID #9798 Phone #: (319) 631-2864

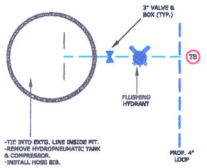
Thank you for your help!



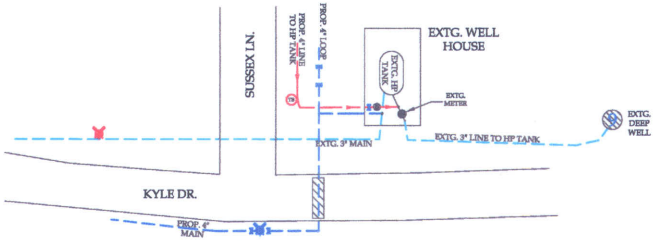
NORTH

VSP

N

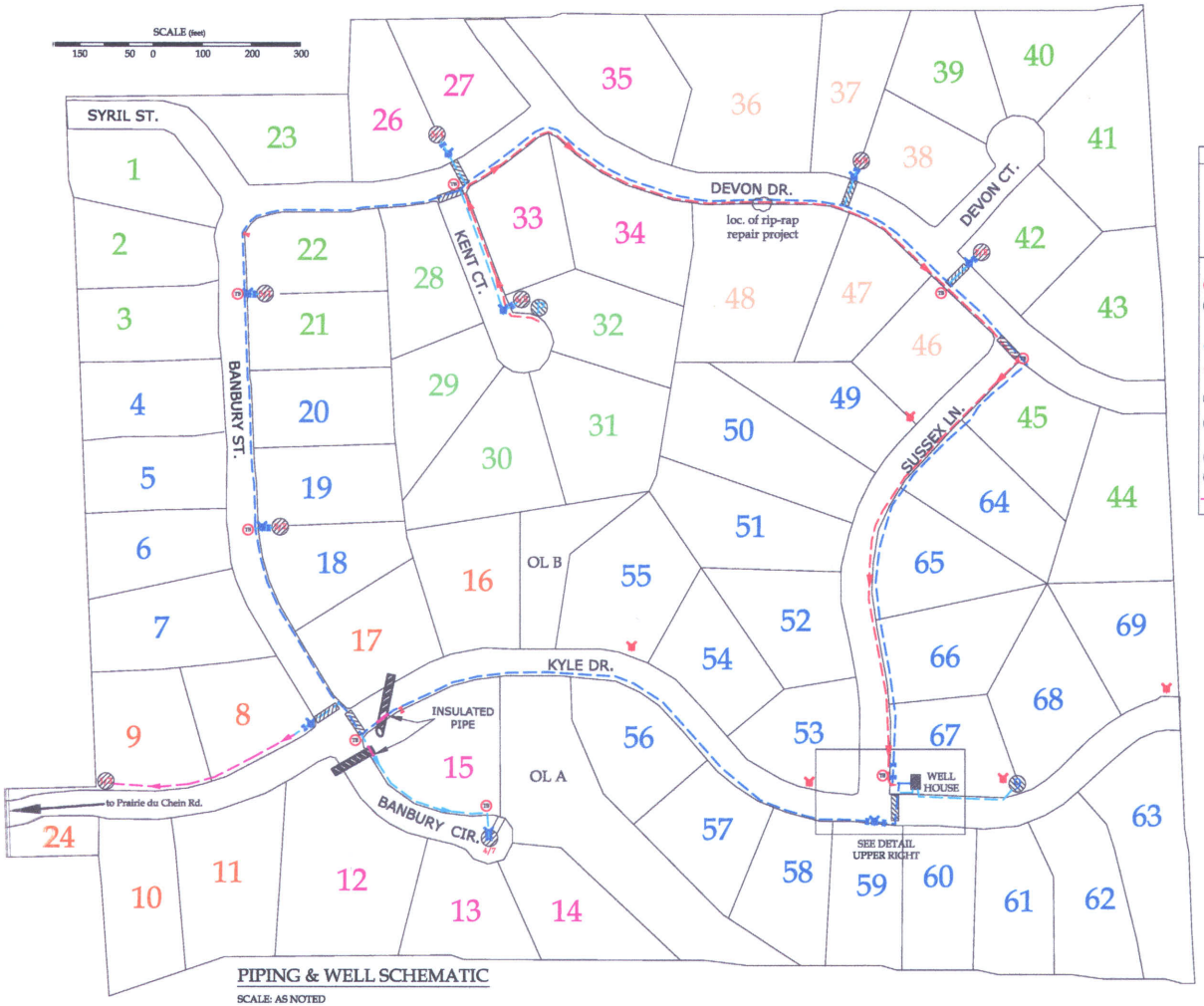


CONNECTION DETAIL
@ EXTG. PITS: (#2-8)
SCALE: NTS



WELL HOUSE DETAIL
SCALE: NTS

SCALE (feet)
150 50 0 100 200 300

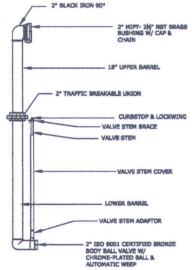


PIPING & WELL SCHEMATIC
SCALE: AS NOTED

LEGEND

Prop. Water Lines
- 4" ∅ PVC Water Main
- 4" ∅ PVC line to HP Tank
- 3" ∅ PVC Line
- Conn. to extg. line
- Thrust block
- Prop. water meter
- Prop. shut-off valve
- Extg. shut-off valve
- Prop. flush hydrant
- Extg. flush hydrant
- Boring under pavement
- Extg. wells/pits (VSP #/HOA #)
- Extg. deep well
- Prop. deep well
- Extg. 2" water line

NOTES:
1. Place proposed lines (shown side-by-side in dwg) in same trench.
2. Lines shown on dwg are w/in street r.o.w., not under pavement.
3. Wells #1-8 to be abandoned according to current IDNR regs.
4. Wells shown on plan sheet include extg. pits.
5. At wells #2-8, tie-ins to extg. lines will be in well pits.
6. Well pits 1-8: remove HP tanks and compressors.
7. See project specifications for additional details.



FLUSHING (POST) HYDRANT DETAIL
SCALE: NTS

MODEL SHOWN IS GIL INDUSTRIES 'AQUARIUS'

SUMMARY OF CURRENT CHANGES (100430):

1. CHANGED REQUIREMENT TO EXTEND 3" LINE TO WELL PIT @ WELL #1. WILL HOOK-UP TO EXTG. 2" LINE IN LOT 8 ON WEST SIDE OF BANBURY ST.
2. CHANGED REQUIREMENT FOR 2 SHUT-OFF VALVES @ EA. WELL PIT (#2-8). WILL USE 1 VALVE ON 3" EXTENSION LINE RATHER THAN 2 VALVES ON PROP. 4" LOOP MAIN.
3. MOVED FLUSH HYDRANT ON BANBURY CIR. TO CENTER OF CUL DE SAC.

PROP. VALVES & HYDRANTS:
3" VALVES- 8
4" VALVES- 4
HYDRANTS- 9

I hereby certify that this engineering document was prepared and the related engineering work was performed by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Iowa.

Licensed Professional Engineer — Licensed 9675 Randy L. Van Winkle — Iowa

RANDY L. VAN WINKLE, P.E. DATE
License number 9675
My license renewal date is December 31, 2010
Pages or sheets covered by this seal: 1 of 1

VSP ENGINEERING
VAN WINKEL-BEHMER-PALMER
VSP PROJECT #: V7-092
2570 Holiday Road, Suite 200
Coralville, Iowa - 319-339-4657

PRAIRIE VIEW ESTATES WATER SUPPLY RENOVATIONS
WELL #10 (IDNR #W2008-341)
WELL & WATER SYSTEM IMPROVEMENTS PLAN

1 of 1
scale: AS NOTED
drawn by: CDS
approved by: RLV
date: 12/16/08
revisions: 01/15/09, 03/24/10, 04/12/10, 04/19/10, 04/30/10

V7-092