

# OTIS DOAN, JR., P.S.C.

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Public Service  
Commission

**Scott Lisenbee**  
*Attorney At Law*  
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January 4, 2017

Hon. John D. Parks, Commission Staff Attorney  
Kentucky Public Service Commission  
211 Sower Blvd.  
P.O. Box 615  
Frankfort, Kentucky 40602-0615

RE: My Client: Cawood Water District  
Case No.: 2016-00328

Dear John:

Pursuant to the directions that we received in the Informal Conference, please find enclosed the estimate in which we received to replace the existing the 8 inch PVC water line ductile iron pipe of the same size. As you can see the estimate supplied by Mr. Kenneth D. Taylor, of Kenvirons is \$ 1, 858, 780.00. I am requesting that you file that in the record, in our case. Also, I have sent a copy of this letter and estimate to Dr. Damaa in this matter.

Sincerely,

A handwritten signature in black ink, appearing to be "Otis Doan, Jr.", written in a cursive style.

Otis Doan, Jr.

Cc: Dr. Georges Damaa  
386 Ready Mix Road  
Harlan, Kentucky 40831



**Kenvirons, Inc.**

452 Versailles Road • Frankfort, KY 40601 • Phone: (502) 695-4357 • Fax: (502) 695-4363  
*Civil & Environmental Engineering and Laboratory Services*

January 3, 2017

Mr. Donnie Britton, Chair  
Cawood Water District  
P.O. Box 429  
Cawood, KY 40815

RE: Opinion of Probable Costs  
US 421 Replacement Line

Dear Mr. Britton:

Attached for your use is an Opinion of Probable Costs to replace the existing eight inch PVC water line with a new ductile iron of the same size from just below the Cawood Post Office to the new eight inch ductile iron water main at Grays Knob. Should you have any questions or need additional detail please do not hesitate to contact us.

Sincerely,

Kenneth D. Taylor, P.E.  
Vice President

Attachment

**Cawood Water District  
US 421 Replacement Line  
Grays Knob to Cawood  
Opinion of Probable Cost**

January 3, 2017

Item No.	Item	Unit	Quantity	Unit Price	Item Price
1	8-Inch D.I. Cl. 350 Water Main	LF	31,500	40.00	1,260,000.00
2	4-Inch PVC SDR - 17 Water Main	LF	200	12.50	2,500.00
3	3-Inch PVC SDR-17 Water Main	LF	320	10.00	3,200.00
4	4-Inch Blow-Off Assembly, Type 1	EA	2	1,400.00	2,800.00
5	Bored Encasement Pipe for 8" Water Main	LF	300	200.00	60,000.00
6	Leak Detection Meter	EA	15	750.00	11,250.00
7	8-Inch Gate Valve	EA	15	1,350.00	20,250.00
8	4-Inch Gate Valve	EA	5	1,000.00	5,000.00
9	3-Inch Gate Valve	EA	8	1,000.00	8,000.00
10	8"x8" Tie-in - Wet Tap and Cap	EA	2	3,000.00	6,000.00
11	8"x4" Tie-in - Wet Tap and Cap	EA	5	2,800.00	14,000.00
12	8"x3" Tie-in - Wet Tap and Cap	EA	8	2,750.00	22,000.00
13	4"x4" Sleeved Tie-in	EA	5	650.00	3,250.00
14	3"x3" Sleeved Tie-in	EA	8	600.00	4,800.00
15	Pavement Replacement	LF	200	50.00	10,000.00
16	Service Reconnection	EA	47	250.00	11,750.00
<b>Total Construction Cost</b>					<b>\$1,444,800.00</b>

Construction Cost	\$1,444,800.00
10% Contingency	\$144,480.00
Design	\$120,000.00
Inspection	\$74,500.00
Other Engineering/Environmental	\$40,000.00
Legal/Administration	\$35,000.00
<b>Total Opinion of Probable Costs</b>	<b>\$1,858,780.00</b>