

Warren County Water District
Warren County, Kentucky

ENGINEERING REPORT

**MORGANTOWN ROAD AREA IMPROVEMENTS &
SMALL LINE REPLACEMENTS PROJECT**



Warren County
Water District



February 22nd, 2020

Prepared by
Engineering Staff
Warren County Water District

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INTRODUCTION

The Briggs Hill Tank serves an area of Warren County along Glen Lilly Road, Barren River Road, and surrounding areas. Because of its condition, size, useful storage volume, and height, this tank is approaching the end of its service life. Some areas along Glen Lilly Road, particularly in the Hilltop Acres Subdivision, suffer from low pressures due to their high elevation relative to the water level in this tank.

The Morgantown No. 2 Pump Station currently operates to fill the Briggs Hill Tank and the Hammett Hill Tank. The pump station is located near the Morgantown Road Tank, situated between Morgantown Road and Minnie Way. It is projected that peak water demand in this area will exceed the capacity of the pump station.

Warren County Water District has certain old sections of small diameter lines that are experiencing frequent leaks and other operational issues. A portion of these lines will be replaced as part of this project.

The Morgantown Road Area Improvements & Small Line Replacements Project will be financed by a loan from the Kentucky Infrastructure Authority (KIA) and depreciation reserve funds from Warren County Water District (WCWD). No increase in the existing water rate is proposed at this time to cover the additional operating, maintenance, and capital expenses resulting from the proposed system additions.

EXISTING WATER SYSTEM

Warren Water's existing water system currently includes approximately 1,200 miles of water lines with mains as large as 30 inches in diameter, 36 pumping stations, and 28 storage tanks. There are approximately 27,800 residential and 2,400 commercial water customers. These customers generate an average water demand of approximately 7,650,000 gallons per day (gpd). Water is purchased from the Bowling Green Municipal Utilities (BGMU) at 5 primary metering points. BGMU's WTP has a capacity of 30 million gallons per day (MGD) and is currently being expanded to 45 MGD. The WTP has adequate capacity to produce water for existing customers and the current expansion will provide for future growth projections.

PROPOSED WATER SYSTEM ADDITIONS AND REPLACEMENTS

To remedy the issues identified in the introduction, a new elevated storage tank, located near the intersection of Glen Lily Road and Hilltop Trail is proposed. The tank will have an overflow elevation of 900 feet and a capacity of 200,000 gallons. A new Glen Lily Pump Station (250 GPM) is proposed at a point adjacent to Glen Lily Road. The higher overflow elevation of the proposed tank will provide customers with increased pressures. To facilitate the construction of the pump station, approximately 4,500 linear feet of 8-inch water main will be constructed adjacent to Glen Lily Road from Bill Dedman Road, across the Natcher Parkway (I-165), to the proposed pump station. An additional 6-inch water line, approximately 350 feet in length, will be constructed adjacent to West Villa Drive. The existing Morgantown No. 2 Pump Station will be adjusted to only convey water to the Hammett Hill Tank. To ensure appropriate pressures along Bill Dedman Road and a portion of Glen Lily Road, a pressure reducing valve will be installed on the water line supplying these areas. See Attachment 1 for the proposed project map.

Along with the necessary replacement of a tank, this project will improve service by increasing pressures and increasing service reliably. Fire protection will also be enhanced along Glen Lily Road.

8,800 feet of small diameter lines that have been experiencing frequent leaks and/or were originally constructed with inferior material will also be replaced as part of this project. See Attachment 2 for the proposed project map.

RESULTS OF CONSTRUCTION BIDS AND FINANCIAL CONSIDERATIONS

On January 21st, 2020, Warren Water opened bids for the construction of the proposed improvements. The total of the low, responsible bidders for the construction was \$2,281,650 which was over the construction budget for the project. \$125,125 of construction cost will be deleted from the project, leaving a proposed actual construction cost of \$2,156,525. The proposals of the low, responsible bidders for Contract 1 and Contract 2 are included as Attachment 3 and 4. Various methods of financing this project have been evaluated. A loan from KIA was found to provide the lowest financing expense. In addition to a loan, WCWD will be investing depreciation reserve funds into the project. The KIA loan will be at an interest rate of 3.0 percent over a twenty-year term. Debt service costs also include a loan servicing fee of 0.2 percent of the outstanding balance. A breakdown of all current estimated project costs is

included in the Project Budget below. The Proforma Adjustment for the WCWD Water Division's operating revenues and expenses is shown on the following page.

**PROJECT BUDGET
(AS BID w/ ADJUSTMENTS)
MORGANTOWN ROAD AREA IMPROVEMENTS &
SMALL LINE REPLACEMENTS PROJECT
WARREN COUNTY WATER DISTRICT**

PROJECT COSTS:

1. Construction		
a. Transmission Lines & PS - Contract 1	\$829,298 *	
b. Line Replacements - Contract 1	692,227	
c. Storage Tank - Contract 2	<u>635,000</u>	
		\$2,156,525
2. Engineering		
a. Design & General Engr. During Construction	79,000	
c. Inspection	<u>30,000</u>	
		109,000
3. Administrative Expenses		1,000
4. Easement and Site Acquisition		19,475
5. Legal Costs		5,000
6. Contingency		<u>15,000</u>
TOTAL PROJECT COST		<u>\$2,306,000</u>

PROJECT FUNDING:

1. KIA Loan	\$2,000,000
2. District Contribution	306,000
TOTAL FUNDING	<u>\$2,306,000</u>

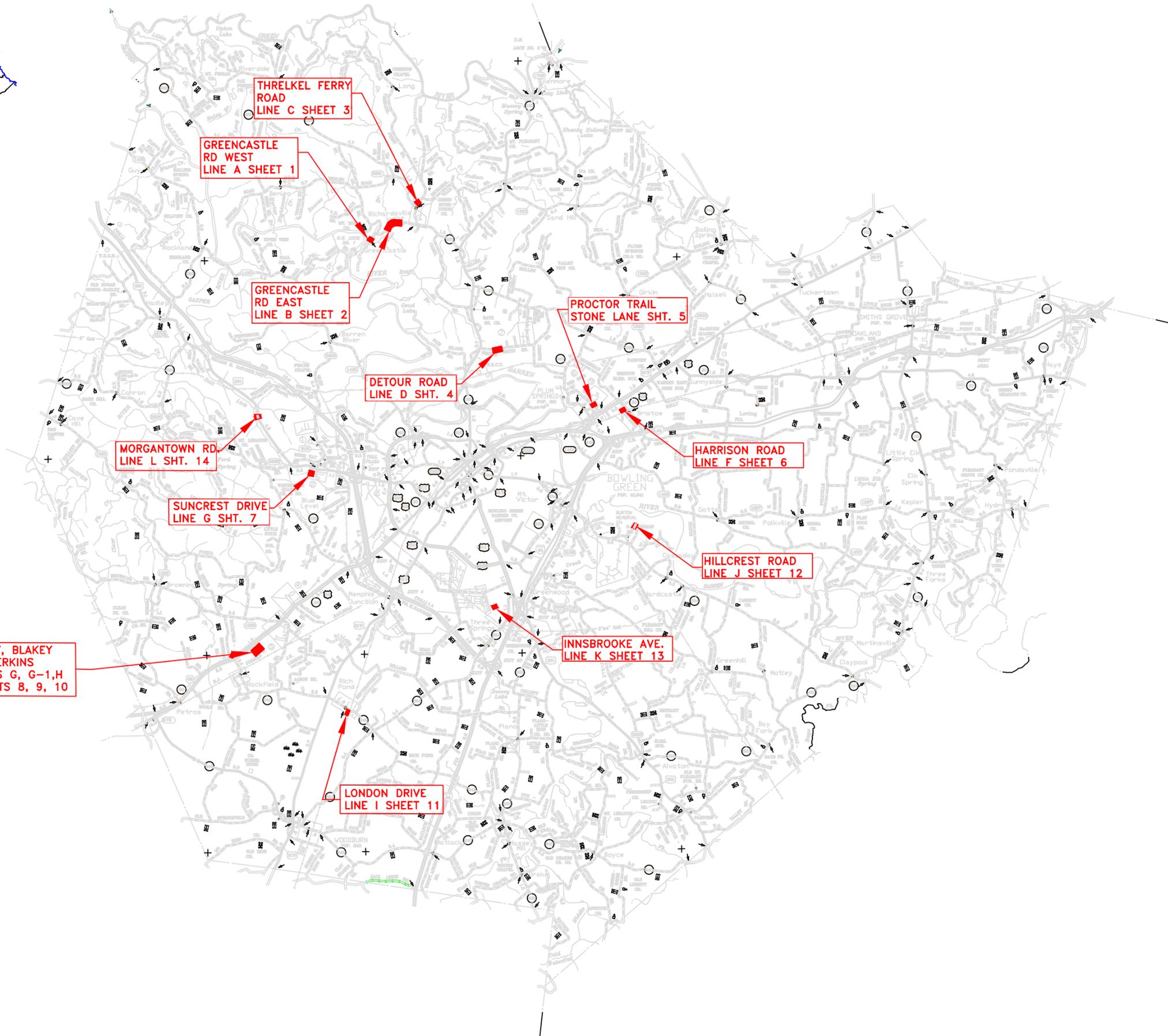
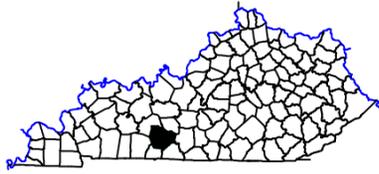
* Line item deleted to reduce project cost.

PROFORMA ADJUSTMENT
MORGANTOWN ROAD AREA IMPROVEMENTS
WARREN COUNTY WATER DISTRICT

	EXISTING SYSTEM	CHANGES ON EXISTING SYSTEM	CHANGES DUE TO NEW PROJECT	TOTAL FUTURE SYSTEM AFTER PROJECT
OPERATING REVENUE:				
METERED & OTHER				
Meter Sales Revenue	\$11,805,155	\$727,515 (1)	\$0	\$12,532,670
Forfeited Discounts	167,871	0	0	167,871
Misc. Service Revenue	375,819	0	0	375,819
Other Water Revenue	7,888	0	0	7,888
Income-Interest	153,591	0	0	153,591
Rental Income/Utility Prop	<u>46,757</u>	<u>0</u>	<u>0</u>	<u>46,757</u>
TOTAL OPERATING REVENUE	\$12,557,081	\$727,515	\$0	\$13,284,596
OPERATING EXPENSE:				
SOURCE OF SUPPLY & PUMP. EXP.				
Salaries and Wages	\$1,359,460	\$0	\$0	\$1,359,460
Commissioner Fees	15,000	0	0	15,000
Employee Overhead	809,119	0	0	809,119
Purchased Water	4,861,409	\$727,515 (1)	0	5,588,924
Purchased Power	499,228	0	13,867 (3,4)	513,095
Chemicals	0	0	0	0
Materials & Supplies	186,822	0	408 (4)	187,230
Cont. Services-Engr	0	0	0	0
Cont. Services-Accounting	11,006	0	0	11,006
Cont. Services-Legal	2,462	0	0	2,462
Cont. Services-Other	553,382	0	1,209 (4)	554,591
Rental of Building & Utilities	57,675	0	0	57,675
Equipment Expense	201,421	0	440 (4)	201,861
Insurance-Gen'l Liability	67,530	0	148 (4)	67,678
Insurance-Other	2,545	0	0	2,545
Regulatory Expense	22,456	0	0	22,456
Bad Debt Expense	11,803	0	0	11,803
Misc. Expense	<u>18,543</u>	<u>0</u>	<u>0</u>	<u>18,543</u>
TOTAL OPERATING EXPENSE	\$8,679,861	\$727,515	\$16,072	\$9,423,448
OTHER EXPENSES				
Depreciation	\$2,653,726	\$0	\$46,120 (5)	\$2,699,846
Misc. Non-Operating Income	(4,529)	0	0	(4,529)
Interest Expense	246,611	0	0	246,611
Unamortized Debt Expense	3,568	0	0	3,568
OPED Expense	<u>22,841</u>	<u>0</u>	<u>0</u>	<u>22,841</u>
TOTAL OTHER EXPENSES	\$2,922,217	\$0	\$46,120	\$2,968,337
PRINCIPAL & INTEREST EXPENSE:				
Existing Principal	\$448,116	36,671 (2)	0	484,787
Existing Interest	225,678	(30,077) (2)	0	195,601
New Principal - KIA	0	0	74,431 (6)	74,431
New Interest - KIA	0	0	60,000 (6)	60,000
New Loan Servicing Fee - KIA	<u>0</u>	<u>0</u>	<u>4,000 (6)</u>	<u>4,000</u>
TOTAL PRINCIPAL & INTEREST	\$673,794	\$6,594	\$138,431	\$818,819
TOTAL EXPENSES	<u>\$12,275,872</u>	<u>\$734,109</u>	<u>\$200,623</u>	<u>\$13,210,604</u>
NET UTILITY OPERATING INCOME	<u>\$281,209</u>	<u>(\$6,594)</u>	<u>(\$200,623)</u>	<u>\$73,992</u>

NOTES:

- (1) WHOLESALE RATE INCREASES FROM BGMU FOR WTP EXPANSION
- (2) ADJUSTMENT BASED ON LOAN AMORTIZATION SCHEDULES FOR FIRST FULL YEAR OF OPERATION
- (3) INCREASE IN EXPENSE BASED ON NEW PUMP STATION
- (4) INCREASE IN EXPENSE BASED ON IMPROVEMENTS
- (5) DEPRECIATION FOR IMPROVEMENTS (50 YR)
- (6) PRINCIPAL, INTEREST, & 0.2% SERVICE FEE PAYMENT FOR MORGANTOWN ROAD AREA IMPROVEMENTS PROJECT



DUKE STREET, BLAKEY STREET & PERKINS STREET LINES G, G-1, H & H2 SHEETS 8, 9, 10

THRELKEL FERRY ROAD LINE C SHEET 3

GREENCASTLE RD WEST LINE A SHEET 1

GREENCASTLE RD EAST LINE B SHEET 2

DETOUR ROAD LINE D SHT. 4

PROCTOR TRAIL STONE LANE SHT. 5

MORGANTOWN RD LINE L SHT. 14

SUNCREST DRIVE LINE G SHT. 7

HARRISON ROAD LINE F SHEET 6

HILLCREST ROAD LINE J SHEET 12

INNSBROOKE AVE. LINE K SHEET 13

LONDON DRIVE LINE I SHEET 11



SCALE:
DATE: 8/29/2018
PROJECT #: 4088
DESIGNED:
DRAWN:
CHECKED:

REVISIONS:	
NO.:	DATE:
1	12/16/19

SHEET:

BID

Proposal of Cumberland Pipeline, LLC (hereinafter called "BIDDER") organized and existing under the laws of the State of Kentucky doing business as a Corporation * to Warren County Water District, 523 US 31W By Pass, Bowling Green, Kentucky 42101 (hereinafter called "OWNER").

In compliance with your Advertisement for Bids, BIDDER hereby proposes to perform all WORK for Morgantown Road Area Improvements – Contract 1 in strict accordance with the CONTRACT DOCUMENTS, within the time set forth therein, and at the prices stated below.

By submission of this BID, each BIDDER certifies, and in the case of a joint BID each party thereto certifies as to its own organization, that this BID has been arrived at independently, without consultation, communication or agreement as to any matter relating to this BID with any other BIDDER or with any competitor.

BIDDER hereby agrees to commence WORK under this Contract on or before a date to be specified in the NOTICE TO PROCEED. The BIDDER further agrees fully complete the PROJECT within two hundred seventy (270) consecutive calendar days after the date specified in the NOTICE TO PROCEED. The BIDDER further agrees to pay as liquidated damages, the sum of \$400 for each consecutive calendar day thereafter as provided in Section 15 of the General Conditions.

*Insert "a corporation", "a partnership", or "an individual" as applicable.

BIDDER acknowledges receipt of the following ADDENDUM:

Addendum No. 1 - 1/14/2020
Addendum No. 2 - 1/16/2020

BIDDER agrees to perform all the work described in the CONTRACT DOCUMENTS for the following unit prices or lump sum:

NOTE: BIDS shall include sales tax and all other applicable taxes and fees.

BASE BID SCHEDULE – CONTRACT 1 (Rev. 1)
Glen Lily Rd. & W. Villa Rd.

NO.	ITEM	UNIT	UNIT PRICE	QTY.	TOTAL PRICE
1	8"x6" Tap Sleeve & Valve on PVC	EA	<u>2,870.00</u>	1	<u>2,870.00</u>
2	6"x6" Tap Sleeve & Valve on PVC	EA	<u>2,870.00</u>	2	<u>5,740.00</u>
3	6"x4" Tap Sleeve & Valve on CIP	EA	<u>3,000.00</u>	1	<u>3,000.00</u>
4	8" Gate Valve	EA	<u>1,815.00</u>	2	<u>3,630.00</u>
5	6" Gate Valve	EA	<u>1,375.00</u>	2	<u>2,750.00</u>
6	4" PRV Assembly	EA	<u>12,350.00</u>	1	<u>12,350.00</u>
7	2" PRV Station	EA	<u>8,140.00</u>	3	<u>24,420.00</u>
8	8" Blowoff Assembly	EA	<u>2,997.00</u>	1	<u>2,997.00</u>
9	Ductile Iron Fittings	LB	<u>13.00</u>	2,798	<u>36,374.00</u>
10	Crushed Stone	TN	<u>27.50</u>	1,300	<u>35,750.00</u>
11	Concrete	CY	<u>180.00</u>	20	<u>3,600.00</u>
12	Asphalt Pavement	TN	<u>185.00</u>	80	<u>14,800.00</u>
13	14" Steel Casing, by Bore, w/ 8" Rest. Jt. DIP Carrier	LF	<u>440.00</u>	310	<u>136,400.00</u>
14	14" Steel Casing, Open Cut, w/ 8" Rest. Jt. DIP Carrier	LF	<u>330.00</u>	41	<u>13,530.00</u>
15	12" Steel Casing, by Bore, w/ 6" Rest. Jt. DIP Carrier	LF	<u>413.00</u>	43	<u>17,759.00</u>
16	12" Steel Casing, Open Cut, w/ 6" Rest. Jt. DIP Carrier	LF	<u>315.00</u>	12	<u>3,780.00</u>
17	8" Class 350 D.I.P. Water Line w/ Rest. Jt.	LF	<u>67.00</u>	15	<u>1,005.00</u>
18	8" Class 200 PVC Water Line	LF	<u>45.00</u>	4,561	<u>205,245.00</u>
19	6" Class 200 PVC Water Line	LF	<u>42.00</u>	356	<u>14,952.00</u>
20	4" Class 200 PVC Water Line	LF	<u>37.00</u>	15	<u>555.00</u>
21	Reconnect 5/8" Water Meter	EA	<u>715.00</u>	5	<u>3,575.00</u>
22	Water Service Line	LF	<u>21.00</u>	25	<u>525.00</u>

BASE BID SCHEDULE – CONTRACT 1 (Rev. 1 - CONTINUED)
Glen Lily Rd. & W. Villa Rd.

NO.	ITEM	UNIT	UNIT PRICE	QTY.	TOTAL PRICE
23	Booster Pump Station	EA	<u>200,973.00</u>	1	<u>200,973.00</u>
24	Valve Vault – Water Storage Tank	EA	<u>50,920.00</u>	1	<u>50,920.00</u>
25	Communications Building	EA	<u>125,125.00</u>	1	<u>125,125.00</u>
26	Tank Site Fence & 12' Gate	EA	<u>18,000.00</u>	1	<u>18,000.00</u>
27	Silt Fence	LF	<u>4 ME</u>	600	<u>3,600 ME</u>
28	Rip Rap Check Dam	TN	<u>44 ME</u>	3	<u>1,320 ME</u>
29	Final Cleanup	LF	<u>\$2.00</u>	5,000	<u>\$10,000.00</u>
TOTAL BID – Glen Lily Rd. & W. Villa Rd.					<u>\$954,423.00 ME</u>

BASE BID SCHEDULE – CONTRACT 1 (Rev. 1 - CONTINUED)
Small Line Replacements

NO.	ITEM	UNIT	UNIT PRICE	QTY.	TOTAL PRICE
1	8"x8" Tap Sleeve & Valve on PVC	EA	<u>3,425.00</u>	2	<u>6,850.00</u>
2	6"x6" Tap Sleeve & Valve on CIP	EA	<u>3,737.00</u>	2	<u>7,474.00</u>
3	6"x6" Tap Sleeve & Valve on PVC	EA	<u>2,868.00</u>	2	<u>5,736.00</u>
4	6"x4" Tap Sleeve & Valve on PVC	EA	<u>2,100.00</u>	1	<u>2,100.00</u>
5	4"x4" Tap Sleeve & Valve on PVC	EA	<u>2,134.00</u>	1	<u>2,134.00</u>
6	12"x2" Service Saddle on PVC & 2" Gate Valve	EA	<u>1,344.00</u>	1	<u>1,344.00</u>
7	6"x2" Service Saddle on CIP & 2" Gate Valve	EA	<u>1,377.00</u>	1	<u>1,377.00</u>
8	6"x2" Service Saddle on PVC & 2" Gate Valve	EA	<u>990.00</u>	2	<u>1,980.00</u>
9	4"x2" Service Saddle on PVC & 2" Gate Valve	EA	<u>935.00</u>	1	<u>935.00</u>
10	4"x2" Service Saddle on CIP & 2" Gate Valve	EA	<u>1,092.00</u>	1	<u>1,092.00</u>
11	3"x2" Service Saddle on PVC & 2" Gate Valve	EA	<u>946.00</u>	1	<u>946.00</u>
12	3"x2" Service Saddle on ACP & 2" Gate Valve	EA	<u>990.00</u>	1	<u>990.00</u>
13	4" Gate Valve	EA	<u>1,100.00</u>	1	<u>1,100.00</u>

BASE BID SCHEDULE – CONTRACT 1 (Rev. 1 - CONTINUED)
Small Line Replacements

NO.	ITEM	UNIT	UNIT PRICE	QTY.	TOTAL PRICE
14	4" Blowoff Assembly	EA	<u>1,721.00</u>	2	<u>3,442.00</u>
15	4" Side-Outlet Blowoff	EA	<u>2,117.00</u>	1	<u>2,117.00</u>
16	2" Gate Valve	EA	<u>800.00</u>	1	<u>800.00</u>
17	2" Blowoff Assembly	EA	<u>1,292.00</u>	10	<u>12,920.00</u>
18	2" PRV Station	LS	<u>7,805.00</u>	1	<u>7,805.00</u>
19	5—1/4" Fire Hydrant Assembly	EA	<u>5,253.00</u>	1	<u>5,253.00</u>
20	Cut & Plug Existing Line	EA	<u>3,630.00</u>	14	<u>50,820.00</u>
21	Crushed Stone	TN	<u>27.00</u>	1,250	<u>33,750.00</u>
22	Ductile Iron Fittings	LB	<u>14.00</u>	1,050	<u>14,700.00</u>
23	Concrete	CY	<u>180.00</u>	12	<u>2,160.00</u>
24	Asphalt Pavement	TN	<u>203.00</u>	33	<u>6,699.00</u>
25	4" Steel Casing, by Bore, w/2" PVC Carrier	LF	<u>440.00</u>	122	<u>53,680.00</u>
26	Thread 10" Steel Casing with 6" PVC Water Line	LF	<u>413.00</u>	80	<u>33,040.00</u>
27	4" Uncased Driveway Bore	LF	<u>90.00</u>	26	<u>2,340.00</u>
28	2" Uncased Driveway Bore	LF	<u>90.00</u>	265	<u>23,850.00</u>
29	Customer Side Service Line (Meter Relocates)	LF	<u>12.00</u>	1,060	<u>12,720.00</u>
30	3/4" PE Service Line	LF	<u>12.00</u>	275	<u>3,300.00</u>
31	1" PE Service Line	LF	<u>12.00</u>	340	<u>4,080.00</u>
32	1" PE Service Line By Bore	LF	<u>89.00</u>	380	<u>33,820.00</u>
33	Relocate 5/8" Meter	EA	<u>1,320.00</u>	30	<u>39,600.00</u>
34	Reconnect 5/8" Meter	EA	<u>566.00</u>	38	<u>21,508.00</u>
35	8" Class 200 PVC Water Line	LF	<u>45.00</u>	360	<u>16,200.00</u>
36	6" Class 200 PVC Water Line	LF	<u>42.00</u>	1,400	<u>58,800.00</u>

BASE BID SCHEDULE – CONTRACT 1 (Rev. 1 - CONTINUED)
Small Line Replacements

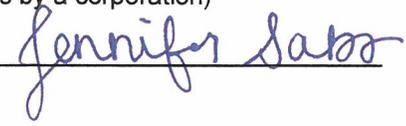
NO.	ITEM	UNIT	UNIT PRICE	QTY.	TOTAL PRICE
37	4" Class 250 PVC Water Line	LF	<u>35.00</u>	500	<u>17,500.00</u>
38	4" Class 200 PVC Water Line	LF	<u>30.00</u>	2,570	<u>92,520.00</u>
39	2" Class 200 PVC Water Line	LF	<u>23.00</u>	3,615	<u>83,145.00</u>
40	Silt Fence	LF	<u>5.50</u>	500	<u>2,750.00</u>
41	Rip Rap Check Dam	TN	<u>44.00</u>	25	<u>1,100.00</u>
42	Final Cleanup	LF	<u>\$2.00</u>	8,845	<u>\$17,690.00</u>
TOTAL BID – Small Line Replacement					<u><u>692,227.00</u></u>
+ TOTAL BID – Glen Lily Rd. & W. Villa Rd. (Sheet 2)					<u><u>954,423.00</u></u>
= TOTAL BASE BID – CONTRACT 1					<u><u>1,646,650.00</u></u>

Respectfully submitted:


 Signature
Michael Ellison
 President
 Title
1/21/2020
 Date
N/A
 License No. (If Applicable)

Cumberland Pipeline, LLC
 2909 Cane Valley Mill Rd
 Address
Columbia KY 42728
 City, State, Zip
270-385-9000
 Phone Number
270-385-9001
 Facsimile Number

SEAL - (if BID is by a corporation)

ATTEST: 

BID BOND

KNOW ALL MEN BY THESE PRESENTS, that we, the undersigned Cumberland Pipeline, LLC, as Principal, and Merchants National Bonding, Inc. as Surety, are hereby held and firmly bound unto Warren County Water District as OWNER in the penal sum of ** 5% of amount bid for the payment of which, well and truly to be made, we hereby jointly and severally bind ourselves, successors and assigns.

Signed, this 21st day of January, 2020. The Condition of the above obligation is such that whereas the Principal has submitted to Warren County Water District a certain BID, attached hereto and hereby made a part hereof to enter into a Contract in writing, for Morgantown Road Area Improvements – Contract 1.

NOW, THEREFORE,

- (a) If said BID shall be rejected, or
- (b) If said BID shall be accepted and the Principal shall execute and deliver a Contract in the Form of Contract attachment hereto (properly completed in accordance with said BID) and shall furnish a BOND for faithful performance of said Contract, and for the payment of all persons performing labor furnishing materials in connection therewith, and shall in all other respects perform the agreement created by the acceptance of said BID, then this obligation shall be void, otherwise the same shall remain in force and effect; it being expressly understood and agreed that the liability of the Surety for any and all claims hereunder shall, in no event, exceed the penal amount of this obligation as herein stated.

The Surety, for value received, hereby stipulates and agrees that the obligations of said Surety and its BOND shall be in no way impaired or affected by any extension of the time within which the OWNER may accept such BID; and said Surety does hereby waive notice of any such extension.

** Required Bid Bond is 5 percent of Base Bid amount.

IN WITNESS WHEREOF, the Principal and the Surety have hereunto set their hands and seals, and such of them as are corporations have caused their corporate seals to be hereto affixed and these presents to be signed by their proper officers, the day and year first set forth above.

Cumberland Pipeline, LLC


_____(L.S.)
Principal

Merchants National Bonding, Inc.

Surety
BY: 

Melissa Propst, Attorney-in-fact

IMPORTANT: Surety companies executing BONDS must appear on the Treasury Department's most current list (Circular 570 as amended) and be authorized to transact business in the state where the project is located.

MERCHANTS
BONDING COMPANY™
POWER OF ATTORNEY

Know All Persons By These Presents, that MERCHANTS BONDING COMPANY (MUTUAL) and MERCHANTS NATIONAL BONDING, INC., both being corporations of the State of Iowa (herein collectively called the "Companies") do hereby make, constitute and appoint, individually, Adam Harris; Benjamin P Dycus; Brian L Sewell; Kenneth Albert; LaKala Carter; Melissa Propst; Steven M Baas

their true and lawful Attorney(s)-in-Fact, to sign its name as surety(ies) and to execute, seal and acknowledge any and all bonds, undertakings, contracts and other written instruments in the nature thereof, on behalf of the Companies in their business of guaranteeing the fidelity of persons, guaranteeing the performance of contracts and executing or guaranteeing bonds and undertakings required or permitted in any actions or proceedings allowed by law.

This Power-of-Attorney is granted and is signed and sealed by facsimile under and by authority of the following By-Laws adopted by the Board of Directors of Merchants Bonding Company (Mutual) on April 23, 2011 and amended August 14, 2015 and adopted by the Board of Directors of Merchants National Bonding, Inc., on October 16, 2015.

"The President, Secretary, Treasurer, or any Assistant Treasurer or any Assistant Secretary or any Vice President shall have power and authority to appoint Attorneys-in-Fact, and to authorize them to execute on behalf of the Company, and attach the seal of the Company thereto, bonds and undertakings, recognizances, contracts of indemnity and other writings obligatory in the nature thereof."

"The signature of any authorized officer and the seal of the Company may be affixed by facsimile or electronic transmission to any Power of Attorney or Certification thereof authorizing the execution and delivery of any bond, undertaking, recognizance, or other suretyship obligations of the Company, and such signature and seal when so used shall have the same force and effect as though manually fixed."

In connection with obligations in favor of the Florida Department of Transportation only, it is agreed that the power and authority hereby given to the Attorney-in-Fact includes any and all consents for the release of retained percentages and/or final estimates on engineering and construction contracts required by the State of Florida Department of Transportation. It is fully understood that consenting to the State of Florida Department of Transportation making payment of the final estimate to the Contractor and/or its assignee, shall not relieve this surety company of any of its obligations under its bond.

In connection with obligations in favor of the Kentucky Department of Highways only, it is agreed that the power and authority hereby given to the Attorney-in-Fact cannot be modified or revoked unless prior written personal notice of such intent has been given to the Commissioner-Department of Highways of the Commonwealth of Kentucky at least thirty (30) days prior to the modification or revocation.

In Witness Whereof, the Companies have caused this instrument to be signed and sealed this 18th day of October, 2018.

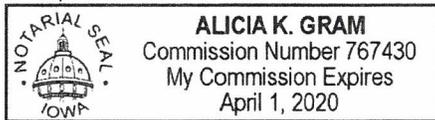


MERCHANTS BONDING COMPANY (MUTUAL)
MERCHANTS NATIONAL BONDING, INC.

By *Larry Taylor*
President

STATE OF IOWA
COUNTY OF DALLAS ss.

On this this 18th day of October 2018, before me appeared Larry Taylor, to me personally known, who being by me duly sworn did say that he is President of MERCHANTS BONDING COMPANY (MUTUAL) and MERCHANTS NATIONAL BONDING, INC.; and that the seals affixed to the foregoing instrument are the Corporate Seals of the Companies; and that the said instrument was signed and sealed in behalf of the Companies by authority of their respective Boards of Directors.



Alicia K. Gram
Notary Public

(Expiration of notary's commission
does not invalidate this instrument)

I, William Warner, Jr., Secretary of MERCHANTS BONDING COMPANY (MUTUAL) and MERCHANTS NATIONAL BONDING, INC., do hereby certify that the above and foregoing is a true and correct copy of the POWER-OF-ATTORNEY executed by said Companies, which is still in full force and effect and has not been amended or revoked.

In Witness Whereof, I have hereunto set my hand and affixed the seal of the Companies on this 21st day of January 2020



William Warner Jr.
Secretary

AFFIDAVIT FOR BIDDERS CLAIMING RESIDENT BIDDER STATUS

The BIDDER hereby swears and affirms under penalty of perjury that, in accordance with KRS 45A.494(2), the BIDDER is an individual, partnership, association, corporation, or other business entity that, on the date the Contract was first advertised as available for bidding:

- 1. Is authorized to transact business in the Commonwealth.
- 2. Has for one year prior to and through the date of Advertisement:
 - 2.1 Filed Kentucky corporate income taxes.
 - 2.2 Made payments to the Kentucky unemployment insurance fund established in KRS 341.49.
 - 2.3 Maintained a Kentucky workers' compensation policy.

The OWNER reserves the right to request documentation supporting a BIDDER'S claim of Resident BIDDER status. Failure to provide such documentation upon request shall result in disqualification of the BIDDER or Contract termination.

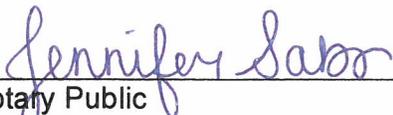

Signature
President
Title

Michael Ellison
Printed Name
1/21/2020
Date

Company Name Cumberland Pipeline, LLC
Address 2909 Cane Valley Mill Road
Columbia KY 42728

Subscribed and sworn to before me by Michael Ellison President
(Affiant) (Title)

of Cumberland Pipeline, LLC this 21st day of January, 2020.
(Company Name)


Notary Public

My commission expires: 11/04/2023

LIST OF PROPOSED SUPPLIERS

NAME, ADDRESS & PHONE NO.

DESCRIPTION

Core + Main

P.O. Box 28330

St. Louis MO 63140

859-253-3404

Pipe Supplier

Endesol

P.O. Box 27

Hartford KY 42347

270-303-2234

Electrical Supplier

LIST OF PROPOSED SUBCONTRACTORS

NAME, ADDRESS & PHONE NO.

DESCRIPTION OF WORK

Down To Earth

2580 Heaton Ford Rd

Science Hill KY 42553

606-872-0521

Boring

Grist Construction, Inc.

981 Creekbend Dr.

Columbia KY 42728

270-384-1933

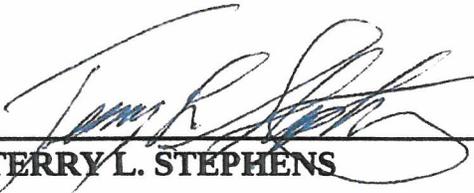
Pipeline

Cumberland Pipeline, LLC

RESOLUTION

BE IT RESOLVED the membership of Cumberland Pipeline LLC, By vote in a special called Meeting held on this day, the membership voted to hire Michael Ellison as President.

All members were present and all concur with the Company action.



TERRY L. STEPHENS

Date: 1-9-19

STATE OF KENTUCKY)
)SS
COUNTY OF ADAIR)

I certify that the attached copy of a Resolution dated January 9, 2019 is a true, correct and complete copy of the original.

In witness whereof, I hereunto set my hand and official seal.

Jennifer Sabo
Notary Public

DATE: 11/21/2020

MY COMMISSION EXPIRES: 11/04/2023

0732693.06

mstratton
LAOO

Kentucky Office of the Secretary
TREY GRAYSON

Trey Grayson
Secretary of State
Received and Filed
06/25/2009 12:59:02 PM
Fee Receipt: \$40.00

Division of Corporations
Business Filings
PO Box 718
Frankfort, KY 40602
(502) 564-3490
<http://www.sos.ky.gov>

Articles of Organization
Limited Liability Company

For the purposes of forming a limited liability company in Kentucky pursuant to KRS Chapter 275, the undersigned organizer hereby submits the following Articles of Organization to the Office of the Office of the Secretary of State for filing:

Article I: The name of the limited liability company is

CUMBERLAND PIPELINE, LLC

Article II: The street address of the limited liability company's initial registered office in Kentucky is

130 WILSON STREET RUSSELL SPRINGS KY 42642
Street Address Only (No Post Office Box Numbers) City State Zip Code

and the name of the initial registered agent at that office is JACK HUDSON

Article III: The mailing address of the limited liability company's initial principal office is

130 WILSON STREET RUSSELL SPRINGS KY 42642
Street Address or Post Office Box Number City State Zip Code

Article IV: The limited liability company is to be managed by (must check one):



A. a manager(s).



B. its member(s).

Executed by JACK HUDSON *Jack M. Hudson* on 06/23/09
Printed name of an Organizer Signature of aforementioned Organizer Date

Executed by _____ on _____
Printed name of an Organizer Signature of aforementioned Organizer Date

Executed by _____ on _____
Printed name of an Organizer Signature of aforementioned Organizer Date

JACK HUDSON consent to serve as the registered agent on behalf of the limited liability company.

Type/Print Name of Registered Agent
or Company serving as Registered Agent



Jack M. Hudson
Signature of Registered Agent or Individual signing on behalf of the company serving as Registered Agent

MEMBER

Title of Individual Signing on behalf of the company serving as Registered Agent (if applicable)

309351
Filed on: 7/10/2009 1:04:34 PM
Book: A01 Number: 8
Pages: 152 - 162
Lisha Poplewell, Russell County
DC: SUE BROCKMAN
Deed Tax: \$0.00

BIDDER agrees to perform all the work described in the CONTRACT DOCUMENTS for the following unit prices or lump sum:

NOTE: BIDS shall include sales tax and all other applicable taxes and fees.

BASE BID SCHEDULE – CONTRACT 2

NO.	ITEM	UNIT	UNIT PRICE	QTY.	TOTAL PRICE
1	Water Storage Tank (200,000 Gallon Elevated)	EA	<u>\$ 635,000</u>	1	<u>\$ 635,000.00</u>
TOTAL BASE BID – CONTRACT 2					<u><u>\$ 635,000.00</u></u>

Respectfully submitted: Caldwell Tanks, Inc.

Patrick A. Smith
Signature

Patrick A. Smith, Sales Manager
Title

January 21, 2020
Date

N/A in Kentucky
License No. (If Applicable)

4000 Tower Road
Address

Louisville, KY 40219
City, State, Zip

(502) 964-3361
Phone Number

(502) 966-8732
Facsimile Number

SEAL - (if BID is by a corporation)

ATTEST: *David E. Bartley*
David E. Bartley, Secretary

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS, that **CALDWELL TANKS, INC.**, Louisville, Kentucky, a Kentucky Corporation, has constituted and appointed, and does constitute and appoint the persons named below as its true and lawful Attorneys-in-Fact, to execute proposals for the sale of materials or the construction of work, to make contracts for same, and execute Surety Bonds to be used in connection therewith:

KEVIN J. GALLAGHER
CARTER J. SPOELSTRA
PATRICK A. SMITH

ERIC W. MONSKE
WILLIAM A. STETZLER
JOSEPH M. GIADA

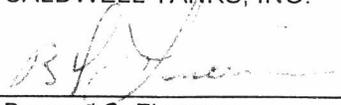
This appointment is made in accordance with Article V, Section 1 of the By-Laws of the Corporation as amended January 16, 1986, and still in full force and effect.

IN WITNESS WHEREOF, CALDWELL TANKS, INC. has caused these presents to be signed by its President, and its corporate seal to be thereunto affixed and duly attested by its Secretary this 27th day of August, 2019.

ATTEST:

CALDWELL TANKS, INC.

(SEAL) _____

BY: 

Bernard S. Fineman
President

STATE OF KENTUCKY)
) SS:
COUNTY OF JEFFERSON)

On this 27th day of August, 2019, before me personally appeared Bernard S. Fineman, President of CALDWELL TANKS, INC., who being duly sworn, said he resides in the state of Kentucky; that he is President of CALDWELL TANKS, INC., the Corporation described in and which executed the foregoing instrument; that he knows the Corporate seal; that it was so affixed by order of the Board of Directors of said Corporation; and that he signed his name thereto as President of said Corporation by like authority.

(SEAL) _____

BY: 

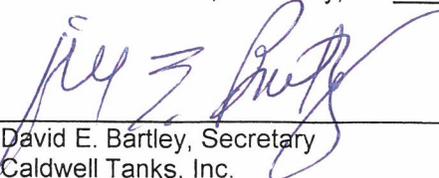
Carolyn E. Burke
Notary Public, State at Large
MY COMMISSION EXPIRES 9/25/2023

STATE OF KENTUCKY)
) SS:
COUNTY OF JEFFERSON)

I, David E. Bartley, Secretary of CALDWELL TANKS, INC. do hereby certify that the above and foregoing is a true and correct copy of the Power of Attorney executed by CALDWELL TANKS, INC., which is still in full force and effect.

IN WITNESS WHEREOF, I have signed this certificate at Louisville, Kentucky, this 21st day of January, 2020

(SEAL) _____

BY: 

David E. Bartley, Secretary
Caldwell Tanks, Inc.

BID BOND

KNOW ALL MEN BY THESE PRESENTS, that we, the undersigned
Caldwell Tanks, Inc., as Principal,
and Great American Insurance Company as Surety, are hereby
held and firmly bound unto Warren County Water District as OWNER in the penal sum
of ** Five Percent (5%) of Total Amount Bid for the
payment of which, well and truly to be made, we hereby jointly and severally bind
ourselves, successors and assigns.

Signed, this 21st day of January, 2020. The
Condition of the above obligation is such that whereas the Principal has submitted to
Warren County Water District a certain BID, attached hereto and hereby made a part
hereof to enter into a Contract in writing, for Morgantown Road Area Improvements -
Contract 2.

NOW, THEREFORE,

- (a) If said BID shall be rejected, or
- (b) If said BID shall be accepted and the Principal shall execute and deliver a
Contract in the Form of Contract attachment hereto (properly completed in
accordance with said BID) and shall furnish a BOND for faithful
performance of said Contract, and for the payment of all persons
performing labor furnishing materials in connection therewith, and shall in
all other respects perform the agreement created by the acceptance of
said BID, then this obligation shall be void, otherwise the same shall
remain in force and effect; it being expressly understood and agreed that
the liability of the Surety for any and all claims hereunder shall, in no
event, exceed the penal amount of this obligation as herein stated.

The Surety, for value received, hereby stipulates and agrees that the obligations
of said Surety and its BOND shall be in no way impaired or affected by any extension of
the time within which the OWNER may accept such BID; and said Surety does hereby
waive notice of any such extension.

** Required Bid Bond is 5 percent of Base Bid amount.

Bid Bond

IN WITNESS WHEREOF, the Principal and the Surety have hereunto set their hands and seals, and such of them as are corporations have caused their corporate seals to be hereto affixed and these presents to be signed by their proper officers, the day and year first set forth above.

Caldwell Tanks, Inc.

Patrick A. Smith (L.S.)
Patrick A. Smith Principal Sales Manager

Great American Insurance Company

Surety

BY: *Crysty Nurse*
Crysty Nurse, Attorney-In-Fact

IMPORTANT: Surety companies executing BONDS must appear on the Treasury Department's most current list (Circular 570 as amended) and be authorized to transact business in the state where the project is located.

GREAT AMERICAN INSURANCE COMPANY®

Administrative Office: 301 E 4TH STREET • CINCINNATI, OHIO 45202 • 513-369-5000 • FAX 513-723-2740

The number of persons authorized by this power of attorney is not more than **FOUR**

No. 0 21318

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS: That the GREAT AMERICAN INSURANCE COMPANY, a corporation organized and existing under and by virtue of the laws of the State of Ohio, does hereby nominate, constitute and appoint the person or persons named below, each individually if more than one is named, its true and lawful attorney-in-fact, for it and in its name, place and stead to execute on behalf of the said Company, as surety, any and all bonds, undertakings and contracts of suretyship, or other written obligations in the nature thereof; provided that the liability of the said Company on any such bond, undertaking or contract of suretyship executed under this authority shall not exceed the limit stated below.

Name	Address	Limit of Power
CRYSTY NURSE	NEW ALBANY, INDIANA	ALL
BARBARA O'DONNELL	LOUISVILLE, KENTUCKY	\$100,000,000
DUANE RAY	LOUISVILLE, KENTUCKY	
JENNIFER K. WILLIAMS	LOUISVILLE, KENTUCKY	

This Power of Attorney revokes all previous powers issued on behalf of the attorney(s)-in-fact named above.

IN WITNESS WHEREOF the GREAT AMERICAN INSURANCE COMPANY has caused these presents to be signed and attested by its appropriate officers and its corporate seal hereunto affixed this **30TH** day of **MAY**, 2019

Attest

GREAT AMERICAN INSURANCE COMPANY



Stephen C. Beraha

Assistant Secretary

Mark V. Vicario

Divisional Senior Vice President

STATE OF OHIO, COUNTY OF HAMILTON - ss:

On this **30TH** day of **MAY**, 2019

MARK VICARIO (877-377-2405)

before me personally appeared MARK VICARIO, to me known, being duly sworn, deposes and says that he resides in Cincinnati, Ohio, that he is a Divisional Senior Vice President of the Bond Division of Great American Insurance Company, the Company described in and which executed the above instrument; that he knows the seal of the said Company; that the seal affixed to the said instrument is such corporate seal; that it was so affixed by authority of his office under the By-Laws of said Company, and that he signed his name thereto by like authority.



Susan A. Kohorst
Notary Public, State of Ohio
My Commission Expires 05-10-2020

Susan A. Kohorst

This Power of Attorney is granted by authority of the following resolutions adopted by the Board of Directors of Great American Insurance Company by unanimous written consent dated June 9, 2008.

RESOLVED: That the Divisional President, the several Divisional Senior Vice Presidents, Divisional Vice Presidents and Divisional Assistant Vice Presidents, or any one of them, be and hereby is authorized, from time to time, to appoint one or more Attorneys-in-Fact to execute on behalf of the Company, as surety, any and all bonds, undertakings and contracts of suretyship, or other written obligations in the nature thereof; to prescribe their respective duties and the respective limits of their authority; and to revoke any such appointment at any time.

RESOLVED FURTHER: That the Company seal and the signature of any of the aforesaid officers and any Secretary or Assistant Secretary of the Company may be affixed by facsimile to any power of attorney or certificate of either given for the execution of any bond, undertaking, contract of suretyship, or other written obligation in the nature thereof, such signature and seal when so used being hereby adopted by the Company as the original signature of such officer and the original seal of the Company, to be valid and binding upon the Company with the same force and effect as though manually affixed.

CERTIFICATION

I, STEPHEN C. BERHAHA, Assistant Secretary of Great American Insurance Company, do hereby certify that the foregoing Power of Attorney and the Resolutions of the Board of Directors of June 9, 2008 have not been revoked and are now in full force and effect.

Signed and sealed this

21ST day of *January*, 2020



Stephen C. Beraha

Assistant Secretary

AFFIDAVIT FOR BIDDERS CLAIMING RESIDENT BIDDER STATUS

The BIDDER hereby swears and affirms under penalty of perjury that, in accordance with KRS 45A.494(2), the BIDDER is an individual, partnership, association, corporation, or other business entity that, on the date the Contract was first advertised as available for bidding:

- 1. Is authorized to transact business in the Commonwealth.
- 2. Has for one year prior to and through the date of Advertisement:
 - 2.1 Filed Kentucky corporate income taxes.
 - 2.2 Made payments to the Kentucky unemployment insurance fund established in KRS 341.49.
 - 2.3 Maintained a Kentucky workers' compensation policy.

The OWNER reserves the right to request documentation supporting a BIDDER'S claim of Resident BIDDER status. Failure to provide such documentation upon request shall result in disqualification of the BIDDER or Contract termination.

<u><i>Patrick A. Smith</i></u> Signature	<u>Patrick A. Smith</u> Printed Name
<u>Sales Manager</u> Title	<u>January 21, 2020</u> Date

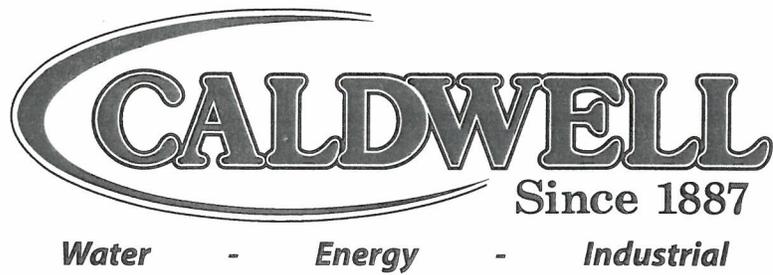
Company Name	<u>Caldwell Tanks, Inc.</u>
Address	<u>4000 Tower Road</u>
	<u>Louisville, KY 40219</u>

Subscribed and sworn to before me by Patrick A. Smith Sales Manager
(Affiant) (Title)

of Caldwell Tanks, Inc. this 21st day of January, 2020.
(Company Name)

Carolyn E. Burke
Notary Public
Carolyn E. Burke, State At Large, KY

My commission expires: 9/25/2023



CERTIFICATE

This is to certify that Caldwell Tanks, Inc. has met all requirements and is licensed in to do business in the State of Kentucky.

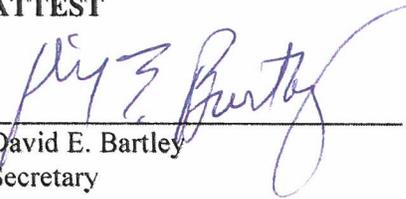
OUR STATUTORY AND PROCESS AGENT IS:

Cogency Global, Inc.
828 Lane Allen Road, Suite 219
Lexington, Kentucky 40504

DATE QUALIFIED: 2/1/1892

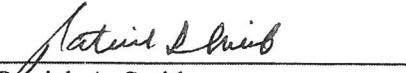
Dated this 21st day of January, 2020.

ATTEST



David E. Bartley
Secretary

CALDWELL TANKS, INC.



Patrick A. Smith
Sales Manager

(Seal)

KYQUAL.DOC

Commonwealth of Kentucky
Alison Lundergan Grimes, Secretary of State

Alison Lundergan Grimes
Secretary of State
P. O. Box 718
Frankfort, KY 40602-0718
(502) 564-3490
<http://www.sos.ky.gov>

Certificate of Existence

Authentication number: 131191
Visit <https://app.sos.ky.gov/ftshow/certvalidate.aspx> to authenticate this certificate.

I, Alison Lundergan Grimes, Secretary of State of the Commonwealth of Kentucky, do hereby certify that according to the records in the Office of the Secretary of State,

CALDWELL TANKS, INC.

is a corporation duly incorporated and existing under KRS Chapter 14A and KRS Chapter 271B, whose date of incorporation is February 1, 1892 and whose period of duration is perpetual.

I further certify that all fees and penalties owed to the Secretary of State have been paid; that Articles of Dissolution have not been filed; and that the most recent annual report required by KRS 14A.6-010 has been delivered to the Secretary of State.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my Official Seal at Frankfort, Kentucky, this 10th day of October, 2012, in the 221st year of the Commonwealth.



Alison Lundergan Grimes

Alison Lundergan Grimes
Secretary of State
Commonwealth of Kentucky
131191/0007370



PO Box 221649
Louisville, KY 40252

1/9/2020

Caldwell Group LLC
4000 Tower Road
Louisville, KY 40219

Re: Workers Compensation Insurance – Experience Mods

To Whom It May Concern:

This letter is being issued to you as documentation of the NCCI experience modification factor which have been used in the workers compensation insurance program for Caldwell Group Inc./Caldwell Tanks Inc. The experience mod applying to the current policy term is as follows:

1/1/20 to 1/1/21 - .73

If there are any questions or additional information you require in connection to the experience modification factor listed above, please let us know.

Jenny Williams

Jenny Williams
Fifth Third Insurance Agency
502-493-7944
Jenny.williams2@53.com

Classification: Internal Use

www.53.com
Insurance products and services are offered through Fifth Third Insurance Agency, Inc., which is a wholly-owned, non-bank subsidiary of Fifth Third Bank. Banking and insurance decisions are made independently and do not influence each other. Insurance products are not FDIC insured, not guaranteed by a bank and are underwritten by unaffiliated, third party insurance carriers.



**Fifth Third
Insurance**

January 29, 2019

Caldwell Group LLC

4000 Tower Road

Louisville Ky 40219

Re: Workers Compensation Insurance – Experience Mods

To Whom It May Concern:

This letter is being issued to you as documentation of the NCCI experience modification factors which have been used in the workers compensation insurance program for Caldwell Group Inc./Caldwell Tanks Inc. The experience mod applying to each of the following policy terms are as follows:

1/1/19 to 1/1/20 – 0.65

1/1/18 to 1/1/19 – 0.64

1/1/17 to 1/1/18 – 0.55

If there are any questions or additional information you require in connection to the experience modification factors listed above, please let us know.

Barbara O'Donnell, ACSR, CIC, AAI, CRM
Fifth Third Insurance Agency
Epic Insurance Solutions
502-498-1791
barbara.o'donnell@53.com

Insurance products offered through Fifth Third Insurance Agency, Inc.
Fifth Third Insurance is the trade name used by Fifth Third Insurance Agency, Inc., a wholly owned subsidiary of Fifth Third Bank and a licensed insurance agency providing insurance services. Insurance products

Are Not FDIC Insured	Offer No Bank Guarantee	May Lose Value
Are Not Insured By Any Federal Government Agency		Are Not A Deposit

Insurance products are not offered in all states. Please consult with a Fifth Third Insurance Professional 99416 | 08 18

OSHA's Form 300A (Rev. 01/2004)

Summary of Work-Related Injuries and Illnesses

Year 2018

U.S. Department of Labor
Occupational Safety and Health Administration
Form approved OMB no. 1218-0178

All establishments covered by Part 1904 must complete this Summary page, even if no injuries or illnesses occurred during the year. Remember to review the Log to verify that the entries are complete.

Using the Log, count the individual entries you made for each category. Then write the totals below, making sure you've added the entries from every page of the Log. If you had no cases write "0".

Employees former employees, and their representatives have the right to review the OSHA Form 300 in its entirety. They also have limited access to the OSHA Form 307 or its equivalent. See 29 CFR 1904.35, in OSHA's Recordkeeping rule, for further details on the access provisions for these forms.

Number of Cases			
Total number of deaths	Total number of cases with days away from work	Total number of cases with job transfer or restriction	Total number of other recordable cases
(G)	(H)	(I)	(J)
0	1	3	1

Number of Days	
Total number of days away from work	Total number of days of job transfer or restriction
(K)	(L)
1	64

Injury and Illness Types	
Total number of... (M)	(N)
(1) Injury	5
(2) Skin Disorder	0
(3) Respiratory Condition	0
(4) Poisoning	0
(5) Hearing Loss	0
(6) All Other illnesses	0

Post this Summary page from February 1 to April 30 of the year following the year covered by the form. Public reporting burden for this collection of information is estimated to average 59 minutes per response, including time to review the instruction, search existing data sources, gather the data needed, and complete and review the collection of information. Persons are not required to respond to the collection of information unless it displays a currently valid OMB control number. If you have any comments about these estimates or any aspects of this data collection, contact: US Department of Labor, OSHA, Office of Statistics, Room N-3644, 200 Constitution Ave, NW, Washington, DC 20210. Do not send the completed forms to this office.

Establishment Information	
Your establishment name	Caldwell Tanks, Inc. - Total Company
Street	4000 Tower Road
City	Louisville
State	Kentucky
Zip	40219
Industry description (e.g., Manufacture of motor truck trailers)	Engineering, Fabrication, and Construction of Storage Tanks and Vessels
Standard Industrial Classification (SIC), if known (e.g., SIC 3715)	1 7 9 1
OR North American Industrial Classification (NAICS), if known (e.g., 336212)	
Employment Information	
Annual average number of employees	228
Total hours worked by all employees last year	519,014
Sign here	
Knowingly falsifying this document may result in a fine.	
I certify that I have examined this document and that to the best of my knowledge the entries are true, accurate, and complete.	
<i>Wilson Frazier</i> Company executive	Wilson F. Frazier Director of EHS
502-864-3381 Phone	1-23-19 Date



OSHA's Form 300A (Rev. 01/2004) Summary of Work-Related Injuries and Illnesses

All establishments covered by Part 1904 must complete this Summary page, even if no injuries or illnesses occurred during the year. Remember to review the Log to verify that the entries are complete. Using the Log, count the individual entries you made for each category. Then write the totals below, making sure you've added the entries from every page of the log. If you had no cases write "0."

Employees former employees, and their representatives have the right to review the OSHA Form 300 in its entirety. They also have limited access to the OSHA Form 301 or its equivalent. See 29 CFR 1904.35, in OSHA's Recordkeeping rule, for further details on the access provisions for these forms.

Number of Cases

Total number of deaths	Total number of cases with days away from work	Total number of cases with job transfer or restriction	Total number of other recordable cases
0 (G)	0 (H)	3 (I)	1 (J)

Number of Days

Total number of days away from work	Total number of days of job transfer or restriction
0 (K)	149 (L)

Number and Types

Total number of... (M)	(1) Injury	4	(4) Poisoning	0
(2) Skin Disorder	0	(5) Hearing Loss	0	
(3) Respiratory Condition	0	(6) All Other illnesses	0	

Post this Summary page from February 1 to April 30 of the year following the year covered by the form. Public reporting burden for this collection of information is estimated to average 90 minutes per response, including time to review the instruction, search and gather the data needed, and complete and review the collection of information. Persons are not required to respond to the collection of information unless it displays a currently valid OSHA control number. If you have any comments about these estimates or any aspects of this data collection, contact: US Department of Labor, OSHA Office of Statistics, Room N-3644, 200 Constitution Ave, NW, Washington, DC 20210. Do not send the completed forms to this office.

Establishment Information

Your establishment name Caldwell Tanks, Inc. - Total Company
 Street 4000 Tower Road
 City Louisville State Kentucky Zip 40218
 Industry description (e.g., Manufacture of motor truck trailers)
Engineering, Fabrication, and Construction of Storage Tanks and Vessels
 Standard Industrial Classification (SIC), if known (e.g., SIC 3715)
1 7 9 1
 OR North American Industrial Classification (NAICS), if known (e.g., 336222)

Employment Information

Annual average number of employees 251
 Total hours worked by all employees last year 570400

Sign here _____
 Knowingly falsifying this document may result in a fine.

I certify that I have examined this document and that to the best of my knowledge the entries are true, accurate, and complete.
Wilson F. Frazer Wilson F. Frazer Director of EHS
 Company representative Title
 602-994-5381 Phone
 1-19-18 Date

OSHA's Form 300A (Rev. 01/2004)

Summary of Work-Related Injuries and Illnesses

All establishments covered by Part 1904 must complete this Summary page, even if no injuries or illnesses occurred during the year. Remember to review the Log to verify that the entries are complete. Using the Log, count the individual entries you made for each category. Then write the totals below, making sure you've added the entries from every page of the log. If you had no cases write "0".

Employers former employees, and their representatives have the right to review the OSHA Form 300 in its entirety. They also have limited access to the OSHA Form 301 or its equivalent. See 29 CFR 1904.35, in OSHA's Recordkeeping rule, for further details on the access provisions for these forms.

Number of Cases		
Total number of deaths	Total number of cases with days away from work	Total number of cases with job transfer or restriction
0 (G)	0 (H)	3 (I)
		1 (J)

Number of Days	
Total number of days away from work	Total number of days of job transfer or restriction
0 (K)	217 (L)

Injury and Illness Types	
Total number of... (M)	
(1) Injury	4 (4) Poisoning
(2) Skin Disorder	0 (5) Hearing Loss
(3) Respiratory Condition	0 (6) All Other Illnesses
	0

Post this Summary page from February 1 to April 30 of the year following the year covered by the form. Public reporting burden for this collection of information is estimated to average 50 minutes per response, including time to review the instruction, search and gather the data needed, and complete and review the collection of information. Persons are not required to respond to the collection of information unless it displays a currently valid OMB control number. If you have any comments about these estimates or any aspects of this data collection, contact: US Department of Labor, OSHA Office of Statistics, Room N-3644, 200 Constitution Ave., NW, Washington, DC 20210. Do not send the completed forms to this office.

Year 2016

U.S. Department of Labor
Occupational Safety and Health Administration

Form approved OMB no. 1216-0176

Establishment Information

Your establishment name Caldwell Tents, Inc. - Total Company
 Street 4000 Tower Road
 City Louisville State Kentucky Zip 40219
 Industry description (e.g., Manufacture of motor truck trailers)
Engineering, Fabrication, and Construction of Storage Tanks and Vessels
 Standard Industrial Classification (SIC), if known (e.g., SIC 3716)
1 7 9 1
 OR North American Industrial Classification (NAICS), if known (e.g., 336212)

Employment Information

Annual average number of employees 302
 Total hours worked by all employees last year 628,160

Sign Here

Knowingly falsifying this document may result in a fine.

I certify that I have examined this document and that to the best of my knowledge the entries are true, accurate, and complete.

Wilson Frazier Wilson Frazier
 Company employee Director of EHS

502-984-3351
 Phone

Date 1-23-17

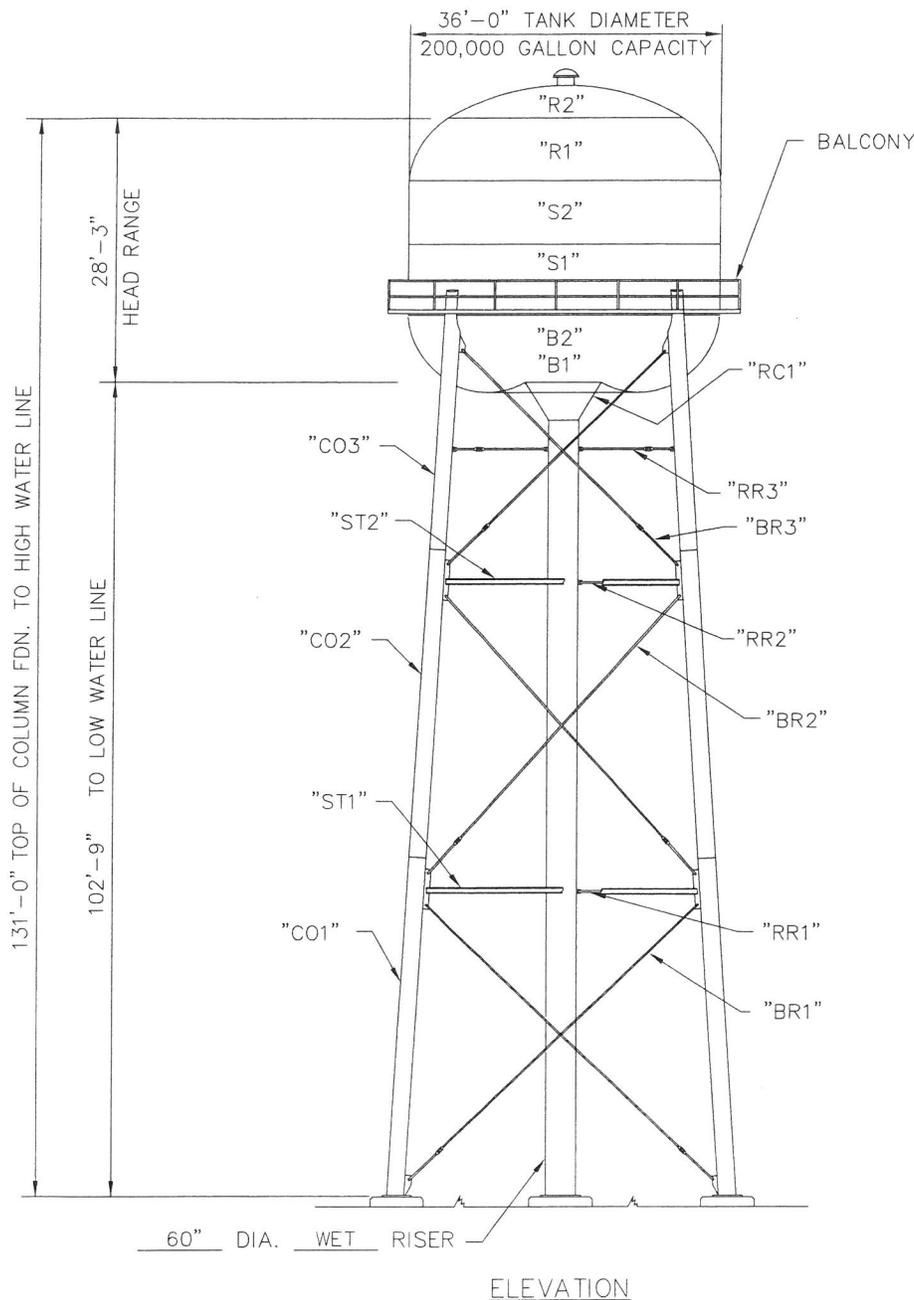


TORUS BOTTOM ELEVATED WATER TANKS

<u>CAPACITY</u>	<u>LOCATION/OWNER</u>	<u>ENGINEER</u>	<u>DATE COMPLETED</u>
200M Elevated 126' HWL	City of Brandenburg Brandenburg, KY Ronnie Joyer (270) 547-0224	GRW Engineers, Inc. Louisville, KY Shanna Stone, EIT (502) 589-8484	7/19 \$827,500.00
200M Elevated 100' HWL	Cassatt Water Company, Inc. Cassatt, SC (803) 432-8235	URS Corporation/AECOM Columbia, SC Nathan Ward, PE (803) 254-4400	9/18 \$747,000.00
200M Elevated 129' HWL	City of Eutaw Eutaw, AL Hattie Edwards (205) 372-4212	Goodwyn, Mills & Cawood, Inc. Montgomery, AL 36117 Deann Grantham, PE (334) 271-3200	5/18 \$1,092,000.00
200M Elevated 120'8" HWL	City of Maysville Maysville, KY David Cartnell (606) 564-9419	Strand Associates, Inc. Lexington, KY Mike Davis, PE (859) 225-8500	4/18 \$1,371,000.00
200M Elevated 98.25' HWL Rayburn Twp., PA	Rayburn Township Joint Mun. Auth. Kittanning, PA (724) 548-1810	Senate Engineering Company Pittsburgh, PA Mike Malak (412) 826-5454	4/18 \$1,052,000.00
200M Elevated 198' HWL Pearl River Co., MS	Center Water Association Carriere, MS James Dossett (601) 798-1401	O'Neal-Bond Engineering, Inc. Wiggins, MS Jacob Smith (601) 928-7390	9/17 \$629,000.00
200M Elevated 129'6" HWL	Town of Pine Hill Pine Hill, AL Roberta Jordan, Mayor (334) 963-4351	Goodwyn, Mills & Cawood, Inc. Montgomery, AL Burns Whittaker (334) 271-3200	7/16 \$710,050.00
200M Elevated 119'6" HWL	Town of Pine Hill Pine Hill, AL Roberta Jordan, Mayor (334) 963-4351	Goodwyn, Mills & Cawood, Inc. Montgomery, AL Burns Whittaker (334) 271-3200	7/16 \$835,250.00
200M Elevated 150' HWL	Lindale Rural WSC Lindale, TX Paul King (903) 882-3335	Hayes Engineering, Inc. Longview, TX Kyle Stephens (903) 758-2010	1/16 \$62,000.00
200M Elevated 166' HWL	Odyssey International Chambersburg, PA Carl Copeland (717) 261-9860	Dept of the Army/Off of Engrg Chambersburg, PA	9/15 \$554,000.00

CONFIDENTIAL

Approved: 9/6/2018



MATERIAL THICKNESS	
CONTAINER:	
"R2" :	1/4"
"R1" :	1/4"
"S2" :	1/4"
"S1" :	1/4"
"B2" :	1/4"
"B1" :	1/4"
"RC1" :	1/4"
RISER :	1/4"
TOWER:	
COLUMNS	
DIAMETER: 20"	
"CO3" :	3/8" (THICKNESS)
"CO2" :	13/32" (THICKNESS)
"CO1" :	3/8" (THICKNESS)
STRUTS	
"ST2" :	W8x31
"ST1" :	W10x49
BRACE RODS	
"BR3" :	1 3/8"
"BR2" :	1 3/8"
"BR1" :	1 1/4"

DESIGN PARAMETERS

DESIGN PER AWWA D100-05 AND PROJECT SPECIFICATIONS.

ALL ACCESSORIES TO BE INCLUDED PER SPECIFICATIONS.

SIZES AND THICKNESSES SUBJECT TO CHANGE WITH FINAL DESIGN.

SEISMIC LOAD - $S_s=32.0\%$ $S_1=14.8\%$

WIND LOAD - 90 MPH

4 BATTERED COLUMNS (0.75" IN 12")

DIAMETER AT TOP OF FOUNDATION - 49'-9 5/16"

CALDWELL
Since 1887
Water · Energy · Industrial

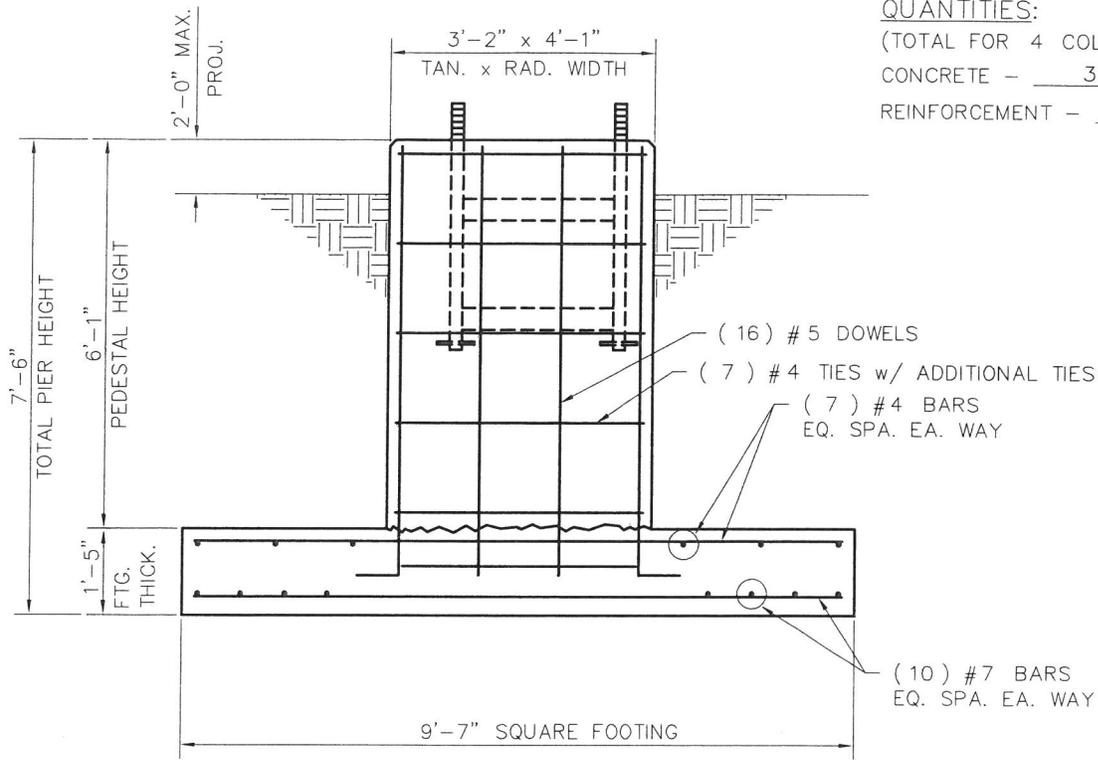
BOWLING GREEN KY
200,000 GALLON TORUS BOTTOM TANK

BY: ADB

TITLE: BID SKETCH

DATE: 01/14/20

DRAWING NO.: BID 005



QUANTITIES:

(TOTAL FOR 4 COLUMNS)

CONCRETE - 31 CU. YDS.

REINFORCEMENT - 2,700 LBS.

PEDESTAL SECTION

NOTE:

THE PROJECT GEOTECHNICAL ENGINEER SHALL INSPECT AND APPROVE SUBGRADE PRIOR TO STEEL OR CONCRETE PLACEMENT.

FOUNDATION TO BEAR ON WEATHERED STONE.

DESIGN PARAMETERS

DESIGN PER AWWA D100-11 AND PROJECT SPECIFICATIONS.

ANCHOR BOLT CIRCLE DIA. - 49'-9 5/16"

SUBJECT TO CHANGE WITH FINAL DESIGN.

SEISMIC LOAD - $S_S = 32.0\%$ $S_1 = 14.8\%$

BASIC WIND SPEED - 90 MPH

NET ALLOWABLE BEARING CAPACITY - 5,000 PSF

CONCRETE STRENGTH - 4,000 PSI

REINFORCING STEEL PER ASTM A615 GR. 60.



BOWLING GREEN, KY
200,000 GALLON TORUS BOTTOM TANK

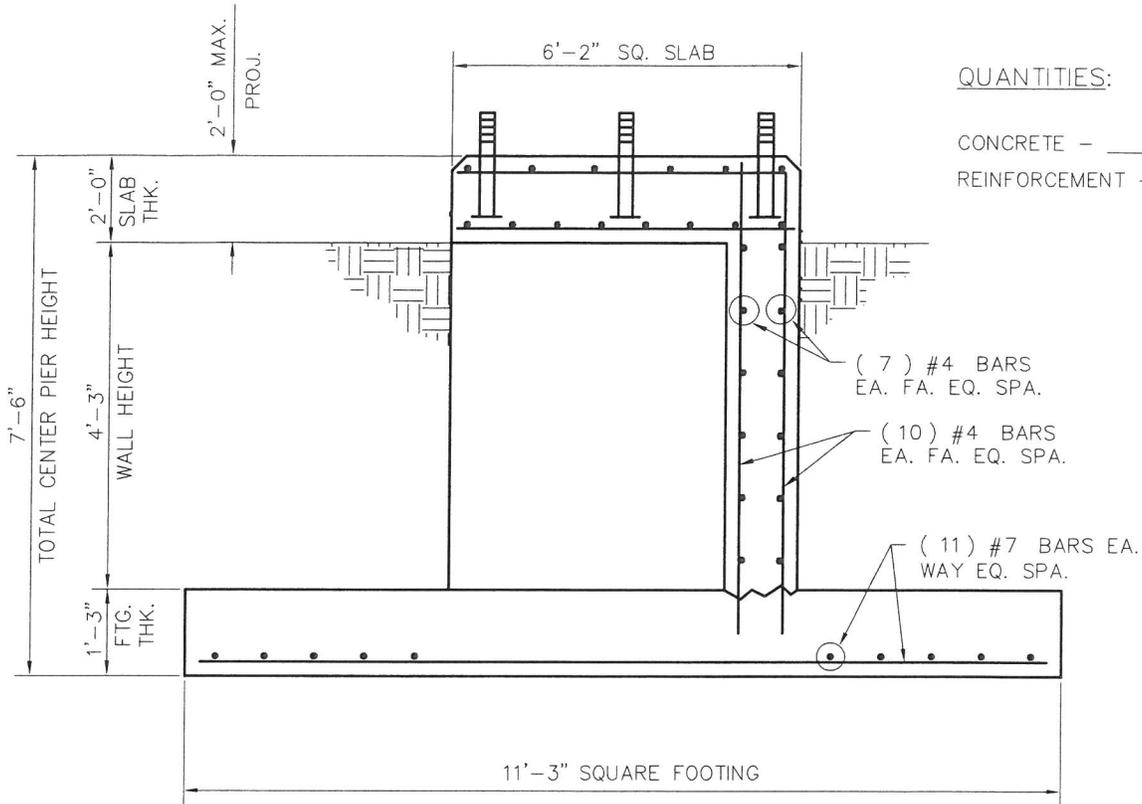
BY: ADB

TITLE: COLUMN PIER DETAIL

DATE: 1/14/20

DRAWING NO.:

BID 005



QUANTITIES:

CONCRETE - 12 CU. YDS.
REINFORCEMENT - 1000 LBS.

CENTER PIER SECTION

< 3 > WALLS REQUIRED

NOTE:

THE PROJECT GEOTECHNICAL ENGINEER SHALL INSPECT AND APPROVE SUBGRADE PRIOR TO STEEL OR CONCRETE PLACEMENT.

FOUNDATION TO BEAR ON WEATHERED STONE.

DESIGN PARAMETERS

DESIGN PER AWWA D100-11 AND PROJECT SPECIFICATIONS.

SUBJECT TO CHANGE WITH FINAL DESIGN.

SEISMIC LOAD - $S_s = 32.0\%$ $S_1 = 14.8\%$

BASIC WIND SPEED - 90 MPH

NET ALLOWABLE BEARING CAPACITY - 5,000 PSF

CONCRETE STRENGTH - 4,000 PSI

REINFORCING STEEL PER ASTM A615 GR. 60.

 <small>Since 1887</small> Water · Energy · Industrial	
BOWLING GREEN, KY 200,000 GALLON TORUS BOTTOM TANK	
BY: ADB	TITLE: CENTER PIER DETAIL
DATE: 1/14/20	DRAWING NO.: BID 005