

**Berger, Cox & Nienaber**

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Gregory N. Schabell  
R. Leslie Knight  
Bryan C. Berger

February 16, 2009

Public Service Commission  
Attn: Mr. Jeff Derouen, Executive Director  
211 Sower Boulevard  
P.O. Box 615  
Frankfort, Kentucky 40602-0615

RECEIVED  
FEB 18 2009  
PUBLIC SERVICE  
COMMISSION

Re: Bullock Pen Water District  
Case No. 2008-00170  
Supplemental Information Filing

Dear Mr. Derouen:

Enclosed please find three original Supplemental Information Responses prepared for filing in the subject case. This Supplemental Information Response includes the Division of Water approval letter and the Final Engineering Report for the Phase VI Project. Three copies of the Final Engineering Report are enclosed.

If you need any additional information, please do not hesitate to call.

Very truly yours,

BERGER, COX & NIENABER

  
Thomas R. Nienaber

TRN/css  
Enclosure

cc: Public Service Commission, Attn: Mr. David R. McDowell  
Public Service Commission, Attn: Mr. Ryan Gatewood  
Kentucky Attorney General's Office  
Bullock Pen Water District, Attn: Chairman Bobby Burgess  
CMW, Inc., Attn: Mr. Kerry Odle  
Lee Utility Consulting, Attn: Ms. Carryn Lee

COMMONWEALTH OF KENTUCKY

BEFORE THE PUBLIC SERVICE COMMISSION

RECEIVED

FEB 18 2009

PUBLIC SERVICE  
COMMISSION

In the matter of:

THE APPLICATION OF BULLOCK PEN WATER )  
DISTRICT FOR A CERTIFICATE OF PUBLIC )  
CONVENIENCE AND NECESSITY TO CONSTRUCT ) Case No. 2008-00170  
PROPOSED WATERWORKS IMPROVEMENT )  
PROJECT AND FOR APPROVAL OF PROPOSED )  
PLAN OF FINANCING, INCREASE IN RATES, )  
NONRECURRING CHARGES, AND TARIFF )  
REVISIONS )

SUPPLEMENTAL INFORMATION RESPONSE

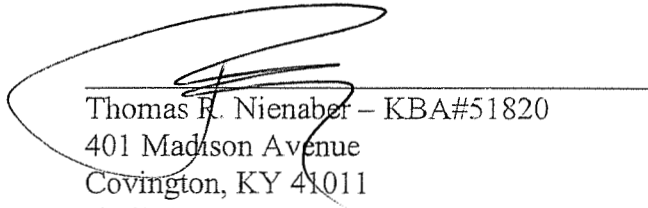
Comes now Bullock Pen Water District ("District"), through counsel, and files of record herein the attached Notice of Publication of the proposed adjustment of water rates and charges for the Bullock Pen Water District.

1. Pursuant to 807 KAR 5:001 Section 9(2)(b), the District attaches hereto a Permit issued by the Energy and Environmental Cabinet, Division of Water issued pursuant to 401 KAR 8:100 unconditionally approving the Phase VI Engineering Plans.

2. Three sets of the Final Engineering Report of CMW, Inc., project engineers for the Phase VI Project.

Respectfully submitted,

BERGER, COX & NIENABER, PSC

  
Thomas R. Nienaber - KBA#51820  
401 Madison Avenue  
Covington, KY 41011  
(859) 491-9088

VERIFICATION

Comes now Bullock Pen Water District by and through its Chairman Bobby Burgess and states that the statements contained herein are true and correct to the best of his knowledge and belief.


BULLOCK PEN WATER DISTRICT

BY: *Bobby Burgess*  
BOBBY BURGESS, CHAIRMAN

COMMONWEALTH OF KENTUCKY

COUNTY OF GRANT

SUBSCRIBED, SWORN TO AND ACKNOWLEDGED before me by the said Bobby Burgess, Chairman, Bullock Pen Water District this 16 day of February, 2009.

  
Notary Public  
My Commission Expires: 3/24/12

cc: Public Service Commission, Attn: Mr. David R. McDowell  
Public Service Commission, Executive Director  
Kentucky Attorney General's Office  
Mr. Ryan Gatewood, Filings Division Director

STEVEN L. BESHEAR  
GOVERNOR



LEONARD K. PETERS  
SECRETARY

**ENERGY AND ENVIRONMENT CABINET**  
DEPARTMENT FOR ENVIRONMENTAL PROTECTION  
DIVISION OF WATER  
200 FAIR OAKS LANE, 4TH FLOOR  
FRANKFORT, KENTUCKY 40601  
[www.kentucky.gov](http://www.kentucky.gov)

February 10, 2009

Mr. William L. Catlett, Superintendent  
Bullock Pen Water District  
PO Box 460  
Crittenden, KY 41030

RE: Bullock Pen Water District  
AI # 1476, APE20080002  
PWSID # 0410047-08-002  
Phase 6 Extension Project-SRF  
Grant County, KY

Dear Mr. Catlett:

We have previously reviewed and approved the plans and specification for the above project with respect to sanitary features of design. This correspondence is to advise that you are hereby APPROVED TO ADVERTISE FOR BIDS to construct this project as of this date with the following stipulations:

1. You have received one (1) set of approved plans and specification. An identical set should be made available at the project site at all times. If modifications are made to these plans and specifications prior to bidding, then (4) complete sets of revised plans and specifications shall be submitted to the Division of Water for approval. Our notice of construction approval will be issued at a later date by separate correspondence.
2. You are hereby approved to advertise for bids on the construction of this project. In addition to other notices, you shall advertise the bid for thirty (30) days and also between seven (7) and twenty-one (21) days prior to the Bid Opening date. Please provide the bid opening date to Lola Lyle, SRF and SPAP Section, at (502) 564-3410, extension 4990.
3. A set of AS-BID plans and specifications (with the APPROVAL conditions addressed) and a copy of the Advertisement shall be submitted to the Division of Water when the project is advertised. The following items will be reviewed as part of the Authority to Award process:
  - Bid open date.
  - Bid advertisement date.
  - Proof that advertisement was published in newspaper of largest circulation.
  - MBE/WBE documentation
  - Revised As-Bid budget
  - Certified bid-tabs
4. Please review the attached Project Review and Cost Summary Form for details of the information to be collected and retained in your files or to be submitted to the Division for review and approval. This form must be completed, signed by the recipient, and with the necessary information be then forwarded to the Division of Water. This signature will certify that all the information to be retained by the recipient has been secured and is available for review by the Division at the pre-construction conference. The required information must be forwarded to the Division for review within fourteen (14) days of bid opening.

5. Clear site certificate of the involved property is required before construction starts and is to be submitted to the Division of Water. Preferably this should be submitted on or before the pre-construction conference.
6. Upon approval of the documents, the Division of Water will authorize you to award the construction contract, and arrange for a pre-construction conference. Division of Water staff shall be present at this pre-construction conference.
7. If sanitary features of the approved plans are to be changed during construction, the engineer shall submit the revision to the Division of Water for approval prior to implementation of the modification. Written approval from the Division of Water must be granted prior to on-site work dedicated to the adjustment.
8. When this project is completed, the engineer shall submit as-built drawings to the Division of Water.

~~You are cautioned that the advertisement and award of this contract will be subject to the laws and regulation that govern the Drinking Water Revolving Fund process.~~

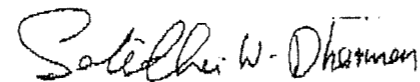
When this project is completed, the owner shall submit a written certification to the Division of Water that the above referenced water supply facilities have been constructed and tested in accordance with the approved plans and specifications and the above requirements.

This approval has been issued under the provisions of KRS Chapter 224 and regulations promulgated pursuant thereto. Issuance of this approval does not relieve the applicant from the responsibility of obtaining any other permits or licenses required by this Cabinet and other state, federal and local agencies.

Unless construction on this project commences within one year from the date of this approval letter, Bullock Pen Water District shall request an official extension from the Division of Water prior to the first anniversary of this approval letter, or re-submit the original plans and specifications for a new comprehensive review.

If you have any questions concerning this project, please contact Mr. Jonathan Reynolds at 502-564-8158 extension 4834.

Sincerely,



Solitha Dharman, PE  
Supervisor, Engineering Section  
Water Infrastructure Branch  
Division of Water

SD:JR

Enclosures

C: CMW Engineering  
Grant County Health Department  
Public Service Commission  
David Holroyd, EPA Region IV

**WATER MAIN EXTENSION AND UPGRADES - PHASE 6  
BULLOCK PEN WATER DISTRICT**

Upon receipt of written notice of the acceptance of this bid, Bidder will execute the formal contract attached within ten (10) days and deliver a surety bond or bonds as required by Article 22 of the General Conditions.

Respectfully submitted:

Walter Martin Excavating, Inc.  
(Name of Contracting Firm)

BY: W. Martin

TITLE: President

ADDRESS: 698 Hwy. 1383

Russell Springs, KY 42642

DATE: January 13, 2009

N/A  
License No. (if applicable)

Seal (If Bid by Corporation)

Attest: Kathy A. McClure

END BID FORM

**As-Bid Project Summary**  
**Phase 6 - Water Main Extension and Upgrades**  
**Bullock Pen Water District**  
**Grant and Kenton County**  
**1/26/2009**

A. Water Line Extension

<u>Road Name</u>	<u>Customers</u>	<u>Length</u>	<u>Construction Cost</u>
1. Bagby Road (2046)	18	2.55 mi.	\$386,391
2. Parkers Grove	15	2.33 mi.	\$317,874
3. Carlisle Road	9	0.88 mi.	\$102,747
4. Peoples Cemetery	3	0.36 mi.	\$31,735
5. Courtney Road / Carli Court	19	2.16 mi.	\$210,118
6. Stephenson Road	9	1.12 mi.	\$91,627
7. Lunsford Road	7	<u>0.81 mi.</u>	<u>\$81,365</u>
Subtotal A:	80	10.21 mi.	\$1,221,857

B. Water Line Replacement

1. Water Line Highway 25 (Miller Drive to Crittenden)		0.08 mi.	\$29,890
2. Water Line Highway 25 (Sherman to Old Dry Ridge Site)		<u>1.93 mi.</u>	<u>\$365,138</u>
Subtotal B:		2.01 mi.	\$395,028

C. Pump Station \$120,000

D. Master Meter \$30,254

E. Control Valves \$31,000

Total Construction Cost: \$1,798,139

**As-Bid Project Cost**  
**Phase 6 - Water Main Extension and Upgrades**  
**Base Bid With Bagby and Parkers Grove Upgrades**  
**Bullock Pen Water District**  
**Grant and Kenton County**  
**1/23/09**

1. Construction Cost	\$1,798,139
2. Legal Expense	\$12,000
3. Easements	\$20,000
4. Pump Site Survey	\$2,000
5. Pump Station Site	\$2,000
6. Environmental	\$8,000
7. Endangered Species Survey	\$3,925
8. Railroad Crossing Fee	\$16,400
9. Preliminary Engineering	\$10,000
10. Engineering Design	\$151,634
11. Resident Inspection	\$86,311
12. Rate Study	\$6,500
13. PSC Submittal	\$5,000
14. Advertisements	\$1,111
15. Telemetry	\$40,000
16. Archeology Study	\$8,611
17. Three Phase Electric	\$38,000
18. Contingencies	<u>\$63,690</u>
	\$2,272,700

**Funding**

1. DWSRF Loan	\$2,192,700
2. Tap-on Fees - 80 x \$1000	\$80,000
Total	\$2,272,700



**Phase 6 – Surcharge Estimate  
Bullock Pen Water District**

Total Project Cost	\$2,272,700
Total Project Cost (Minus Expenses Not Related to Service of Customers)	\$2,214,300
Total Construction Cost	\$1,798,139

I. Water Lines to Serve Kenton County Customers Only.

Carlisle Road	\$102,747
People Cemetery	\$31,735
Courtney Road / Carli Court	\$210,118
Stephenson Road	\$91,627
Lunsford Road	<u>\$81,365</u>

Total Construction Cost = \$517,592

II. Water Line and Items to Serve Grant County

Highway 25	\$395,028
Pump Station	\$120,000
Control Valves	<u>\$31,000</u>

Total Construction Cost = \$546,028

III. Water Line and Items to Serve both Kenton County Customers and Grant County

Bagby Road	\$386,391
Parkers Grove	\$317,874
Master Meter	<u>\$30,254</u>

Total Construction Cost = \$734,519

For Surcharge consider I and 1/4 of III

Construction Cost = 517,592 + 183,630	\$701,222
Project Cost = (701,222 / 1,798,139) X 2,214,300	\$863,513

80 Customers Signed-up

Total Loan Needed = \$863,513 - \$80,000 (tap-on fee)  
= \$783,513

Annual Loan Payment = \$783,513 @ 3% for 20 year  
= \$783,513 x 0.06722  
= \$52,668

From 2007 Audit – Change in Net Assets with Water Revenue Increased by \$297,509 due to Proposed Rate Increase

Estimated Operating Income= \$317,132

Customers = 6,559 Existing in 2007 + 80 New Kenton Customers = 6,639

Operating Income Per Customer =  $\$317,132 / 6,639 = \$47.77$

Operating Income per New Kenton County Customers =  $47.77 \times 80 = \$3,822$

Debt Service to be Collected thru Surcharge =  $\$52,668 - \$3,822 = \$48,846$

Annual Surcharge Per Customer = \$610.58

Monthly Surcharge = \$50.88

Use Maximum Surcharge = \$25

STEVEN L. BESHEAR  
GOVERNOR



LEONARD K. PETERS  
SECRETARY

**ENERGY AND ENVIRONMENT CABINET**  
DEPARTMENT FOR ENVIRONMENTAL PROTECTION

DIVISION OF WATER  
200 FAIR OAKS, 4TH FLOOR  
FRANKFORT, KENTUCKY 40601  
[www.kentucky.gov](http://www.kentucky.gov)

December 3, 2008

Mr. William L. Catlett, Superintendent  
Bullcock Pen Water District  
PO Box 460  
Crittenden, KY 41030

RE: Bullcock Pen Water District  
AI # 1476, APE20080002  
PWSID # 0410047-08-002  
Phase 6 Extension Project - SRF  
Grant County, KY

Dear Mr. Catlett:

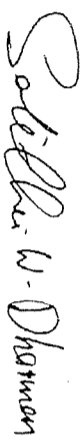
We have reviewed the plans and specifications for the above referenced project. The plans include the construction of approximately 10,140 feet of 12 inch PVC, 38,402 feet of 8 inch PVC, 15,020 feet of 6 inch PVC waterlines and a 20 HP, 709 GPM, 92 TDH Booster Pump Station. This is to advise that plans and specifications for the above referenced project are **APPROVED** with respect to sanitary features of design, as of this date with the requirements contained in the attached construction permit.

Additionally, your application indicates that the above described project is partially funded by a State Revolving Fund (SRF) Loan and shall meet the following stipulations:

1. This approval is for the technical aspects of this project only. Approval of the SRF aspects of this project will be addressed in a separate letter. You are **NOT** authorized to advertise for bids at this time. We are currently waiting for EPA approval of the Environmental Review Document on this project.
2. If sanitary features of the approved plans are to be changed during construction, the engineer shall submit the revision to the Division of Water for approval prior to implementation of the modification. Written approval from the Division of Water must be granted prior to on-site work dedicated to the adjustment.
3. When this project is completed, the engineer shall submit as-built drawings to the Division of Water.

If you have any questions concerning this project, please contact Mr. Jonathan Reynolds at 502-564-8158 extension 4834.

Sincerely,



Solitha Dharman, PE  
Supervisor  
Water Infrastructure Branch  
Division of Water

SD:JR

Enclosures

C: CMW Engineering  
Grant County Health Department  
Kenton County Health Department  
Public Service Commission  
Water Quality  
Water Resources  
Project Administration Section, RPPS Branch

**Distribution-Major Construction**

Bullock Pen Water District  
Subject Item Inventory

Activity ID No.: APE20080002

**Subject Item Inventory:**

ID	Designation	Description
AIOO1476		
PORT27	Water lines	10,140 feet of 12 inch PVC, 38,402 feet of 8 inch PVC, 15,020 feet of 6 inch PVC waterlines
PORT28	Booster Pump Station	20 HP, 709 GPM, 92 TDH Booster Pump Station

**Subject Item Groups:**

ID	Description	Components
GACT28	10,140 feet of 12 inch PVC, 38,402 feet of 8 inch PVC, 15,020 feet of 6 inch PVC waterlines and a 20 HP, 709 GPM, 92 TDH Booster Pump Station	PORT28 20 HP, 709 GPM, 92 TDH Booster Pump Station
		PORT27 10,140 feet of 12 inch PVC, 38,402 feet of 8 inch PVC, 15,020 feet of 6 inch PVC waterlines

**KEY**

ACTV = Activity	AIOO = Agency Interest
AREA = Area	COMB = Combustion
EQPT = Equipment	MNPT = Monitoring Point
PERS = Personnel	PORT = Transport
STOR = Storage	STRC = Structure

**Distribution-Major Construction**

Bullock Pen Water District  
Subject Item Inventory

Activity ID No.: APE20080002

**KEY**

TRMT = Treatment

**Distribution-Major Construction**

Bullock Pen Water District  
Facility Requirements

Activity ID No.: APE20080002

**GA228 (Phase 6 Waterline Ext) 10,140 feet of 12 inch PVC, 38,402 feet of 8 inch PVC, 15,020 feet of 6 inch PVC waterlines and a 20 HP, 709 GPM. 92 TDH Booster Pump Station:**  
Monitoring Requirements:

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Condition No.	Parameter	Condition
M-1	Coliform	The presence or absence of total Coliform monitored by sampling and analysis as needed shall be determined for the new or relocated water line(s). Take samples at connection points to existing lines, at 1 mile intervals, and at dead ends without omitting any branch of the new or relocated water line. Sample bottles shall be clearly identified as "special" construction tests. [401 KAR 8:100 Section 1(7), 401 KAR 8:150 Section 4, Recommended Standards for Water Works 8.5.6] This requirement is applicable during the following months: All Year. Statistical basis: Instantaneous determination.
M-2	Coliform	The presence or absence of total Coliform monitored by sampling and analysis as needed shall be determined for the new pump(s). If the pump(s) are independent of (not directly connected to) the new or relocated lines, take at least 1 sample at the discharge side pitcock. Otherwise, no additional sampling beyond the sampling required for new or relocated lines shall be required. Sample bottles shall be clearly identified as "special" construction tests. [401 KAR 8:100 Section 1(7)] This requirement is applicable during the following months: All Year. Statistical basis: Instantaneous determination.

**Submittal/Action Requirements:**

**Coliform:**

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Condition No.	Condition
S-1	Coliform For new construction projects, the distribution system, using the most expedient method, shall submit Coliform test results to the Cabinet: Due immediately following disinfection and flushing. [401 KAR 8:150 Section 4(2)]

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Condition No.	Condition
S-2	For proposed changes to the approved plan, submit information: Due prior to any modification to the Cabinet for approval. Changes to the approved plan shall not be implemented without the prior written approval of the Cabinet. [401 KAR 8:100 Section 1(8)]

**Distribution-Major Construction**

Bullock Pen Water District  
Facility Requirements

Activity ID No.: APE20080002

**GACT28 (continued):**

**Submittal/Action Requirements:**

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Condition No.	Condition
S-3	The person who presented the plans shall submit the professional engineer's certification: Due when construction is complete to the Division of Water. The certification shall be signed by a registered professional engineer and state that the water project has been constructed and tested in accordance with the approved plans, specifications, and requirements. [401 KAR 8:100 Section 1(8)]

**Narrative Requirements:**

**Additional Limitations:**

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Condition No.	Condition
T-1	Additional Limitations: Chlorinated water resulting from disinfection of project components shall be disposed in a manner which will not violate 401 KAR 5:031. [401 KAR 8:020 Section 2(20)]

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Condition No.	Condition
T-2	This project has been permitted under the provisions of KRS Chapter 224 and regulations promulgated pursuant thereto. Issuance of this permit does not relieve the applicant from the responsibility of obtaining any other approvals, permits or licenses required by this Cabinet and other state, federal and local agencies. Further, this permit does not address the authority of the permittee to provide service to the area to be served. [401 KAR 8:100 Section 1(7)]
T-3	Unless construction of this project is begun within 1 year from the issuance date of this permit, the permit shall expire. If requested prior to the permit expiration, an official extension from the Division of Water may be granted. If this permit expires, the original plans and specifications may be resubmitted for a new comprehensive review. If you have any questions concerning this project, please contact the Drinking Water Branch at 502/564-3410. [401 KAR 8:100 Section 1(9)]
T-4	During construction, a set of approved plans and specification shall be available at the job site at all times. All work shall be performed in accordance with the approved plans and specifications. [401 KAR 8:100 Section 1(7)(a)]



## Distribution-Major Construction

Bullock Pen Water District  
Facility Requirements

Activity ID No.: APE20080002

Page 3 of 14

**PORT27 (Water lines) 10,140 feet of 12 inch PVC, 38,402 feet of 8 inch PVC, 15,020 feet of 6 inch PVC waterlines:**

### Limitation Requirements:

Condition No.	Parameter	Condition
L-1	Depth	A continuous and uniform bedding shall be provided in the trench for all buried pipe. Backfill material shall be tamped in layers around the pipe and to a sufficient height above the pipe to adequately support and protect the pipe. Stones found in the trench shall be removed for a Depth $\geq 6$ in below the bottom of the pipe. [Recommended Standards for Water Works 8.5.2] This requirement is applicable during the following months: All Year. Statistical basis: Not applicable.
L-2	Depth	All water lines shall be covered to a Depth $\geq 30$ in to prevent freezing. [Recommended Standards for Water Works 8.5.3, 401 KAR 8:100 Section 1(7)] This requirement is applicable during the following months: All Year. Statistical basis: Minimum.
L-3	Diameter	All new and existing water lines serving fire hydrants or where fire protection is provided shall have Diameter $\geq 6$ in. [Recommended Standards for Water Works 8.1.2] This requirement is applicable during the following months: All Year. Statistical basis: Minimum.
L-4	Distance	Water lines shall have a sufficient quantity of valves so that inconvenience and sanitary hazards will be minimized during repairs. A valve spacing Distance $\leq 800$ feet should be utilized in non-commercial districts. Alternatively, non-commercial districts should utilize a valve spacing Distance $\leq 1$ block. Commercial districts should utilize a valve spacing Distance $\leq 500$ ft. [Recommended Standards for Water Works 8.2] This requirement is applicable during the following months: All Year. Statistical basis: Not applicable.
L-5	Distance	Hydrant drains shall not be connected to sanitary sewers or storm drains and shall be located a Distance $> 10$ ft from sanitary sewers and storm drains. [Recommended Standards for Water Works 8.3.4] This requirement is applicable during the following months: All Year. Statistical basis: Not applicable.
L-6	Distance	Except when not practical, water lines shall be laid a horizontal Distance $\geq 10$ ft from any existing or proposed sewer. The distance shall be measured edge to edge. In cases where it is not practical to maintain a 10 foot separation, water lines may be installed closer to a sewer provided that the water lines shall be laid in a separate trench or on an undisturbed shelf located on one side of the sewer at such an elevation that the bottom of the water line is at least 18 inches above the top of the sewer. [Recommended Standards for Water Works 8.6.2] This requirement is applicable during the following months: All Year. Statistical basis: Not applicable.

## Distribution-Major Construction

Bullock Pen Water District  
Facility Requirements

Activity ID No.: APE20080002

Page 4 of 14

### PORT27 (continued):

#### Limitation Requirements:

Condition No.	Parameter	Condition
L-7	Distance	<p>When water lines and sewers cross,</p> <ol style="list-style-type: none"><li>1) water lines shall be laid such that either</li><li>a) the top of the water line is a vertical Distance <math>\geq 18</math> in below the bottom of the sewer line or</li><li>b) the bottom of the water line is a vertical Distance <math>\geq 18</math> in above the top of the sewer line,</li><li>2) 1 full length of the water pipe shall be located so that both joints of the water pipe will be as far from the sewer as possible, and</li><li>3) special structural support for the water and sewer pipes may be required. [Recommended Standards for Water Works 8.6.3]</li></ol> <p>This requirement is applicable during the following months: All Year. Statistical basis: Not applicable.</p>
L-8	Distance	<p>The open end of an air relief pipe from automatic valves shall be extended a Distance <math>\geq 1.0</math> ft above grade and provided with a screened, downward-facing elbow. The pipe from a manually operated valve shall be extended to the top of the pit. Use of manual air relief valves is recommended wherever possible. [Recommended Standards for Water Works 8.4.2] This requirement is applicable during the following months: All Year. Statistical basis: Not applicable.</p>
L-9	Pressure	<p>Pipes shall not be installed unless all points of the distribution system remain designed for ground level Pressure <math>\geq 20</math> psi under all conditions of flow. [Recommended Standards for Water Works 8.1.1] This requirement is applicable during the following months: All Year. Statistical basis: Minimum.</p>
L-10	Pressure	<p>Pressure <math>\geq 30</math> psi must be available on the discharge side of all meters. [401 KAR 8:100 Section 4(2)] This requirement is applicable during the following months: All Year. Statistical basis: Instantaneous determination.</p>
L-11	Residual Disinfection	<p>New or relocated water lines shall be thoroughly disinfected (in accordance with AWWA Standard C651) upon completion of construction and before being placed into service. To disinfect the new or relocated lines use chlorine or chlorine compounds in such amounts as to produce an initial disinfectant concentration of at least 50 ppm and a Residual Disinfection <math>\geq 25</math> ppm at the end of 24 hours. Follow the line disinfection with thorough flushing and place the lines into service if, and only if, Coliform monitoring applicable to the line does not show the presence of Coliform.</p> <p>If Coliform is detected, repeat flushing of the line and Coliform monitoring. If Coliform is still detected, repeat disinfection and flushing as if the line has never been disinfected. Continue the described process until monitoring does not show the presence of Coliform. [401 KAR 8:150 Section 4(1), Recommended Standards for Water Works 8.5.6] This requirement is applicable during the following months: All Year. Statistical basis: Minimum.</p>

## Distribution-Major Construction

Bullock Pen Water District  
Facility Requirements

Activity ID No.: APE20080002

Page 5 of 14

### PORT27 (continued):

#### Limitation Requirements:

Condition No.	Parameter	Condition
L-12	Velocity	Each blow-off or fire hydrant shall be sized so that Velocity $\geq$ 2.5 ft/sec can be achieved in the water main served by the blow-off or hydrant during flushing. [Recommended Standards for Water Works 8.1.6.b, 401 KAR 8:100 Section 1(7)] This requirement is applicable during the following months: All Year. Statistical basis: Minimum.

#### Monitoring Requirements:

Condition No.	Parameter	Condition
M-1	leaks	The presence or absence of leaks monitored by physical testing as needed shall be determined in all types of installed pipe. Pressure testing and leakage testing shall be in accordance with the latest edition of AWWA Standard C600. [Recommended Standards for Water Works 8.5.5] This requirement is applicable during the following months: All Year. Statistical basis: Instantaneous determination.

#### Narrative Requirements:

##### Asbestos (Friable):

Condition No.	Condition
T-1	Asbestos (Friable): If the existing water line to be tapped is asbestos concrete, then the contractor shall conform to OSHA regulations governing the handling of hazardous waste during the process of tapping the asbestos concrete line. Pieces of asbestos concrete resulting from the tap shall be double bagged, placed in a rigid container and disposed of in an approved landfill. [401 KAR 8:100 Section 1(7)]

## Distribution-Major Construction

Bullock Pen Water District  
Facility Requirements

Activity ID No.: APE20080002

Page 6 of 14

### PORT27 (continued):

#### Narrative Requirements:

##### Additional Limitations:

Condition No.	Condition
T-2	Additional Limitations: Water line installation shall be in accordance with AWWA standards or manufacturer recommendations. [Recommended Standards for Water Works 8.5.1]
T-3	Additional Limitations: Pipes, fittings, valves and fire hydrants shall conform to the latest standards issued by the AWWA or NSF (if such standards exist). PVC and PE piping used must be certified to ANSI/NSF Standard 61. [Recommended Standards for Water Works 8.0.1]
T-4	Additional Limitations: At high points in water lines, where air can accumulate, provisions shall be made to remove the air by means of hydrants or air relief valves. Automatic air relief valves shall not be used in situations where manhole or chamber flooding may occur. [Recommended Standards for Water Works 8.4.1]
T-5	Additional Limitations: All tees, bends, plugs and hydrants shall be provided with reaction blocking, tie rods or joints designed to prevent movement. [Recommended Standards for Water Works 8.5.4]
T-6	Additional Limitations: A fire hydrant or blow-off shall be required at the end of each dead end line. [Recommended Standards for Water Works 8.1.6]
T-7	Additional Limitations: For each fire hydrant, auxiliary valves shall be installed in the hydrant lead pipe. [Recommended Standards for Water Works 8.3.3]
T-8	Additional Limitations: No flushing device, blow-off, or air relief valve shall be directly connected to any sewer. Chambers, pits or manholes containing valves, blow-offs, meters, or other such appurtenances shall not be directly connected to any storm drain or sanitary sewer. Such chambers, pits or manholes shall be drained to absorptions pits underground or to the surface of the ground where they are not subject to flooding by surface water. [Recommended Standards for Water Works 8.1.6, Recommended Standards for Water Works 8.4.3]
T-9	Additional Limitations: If water lines are installed or replaced in areas of organic contamination or in areas within 200 ft of underground or petroleum storage tanks, ductile iron or other nonpermeable materials shall be used in all portions of the water line installation or replacement. [401 KAR 8:100 Section 1(5)(d)6, Recommended Standards for Water Works 8.0.2]

**Distribution-Major Construction**

Bullock Pen Water District  
Facility Requirements

Activity ID No.: APE20080002

**PORT27 (continued):**

**Narrative Requirements:**

**Additional Limitations:**

---

Condition No.	Condition
T-10	Additional Limitations: No water pipe shall pass through or come in contact with any part of a sewer manhole. [Recommended Standards for Water Works 8.6.6]
T-11	Additional Limitations: If a fire sprinkler system is to be installed, a double check detector assembly approved for backflow prevention shall be utilized. The double check detector assembly of the system shall be accessible for testing. [401 KAR 8:100 Section 1(7)]
T-12	Additional Limitations: If water lines cross a stream or wetland, the provisions in the attached Water Quality Certification shall apply. If you have any questions please contact the Water Quality Certification Supervisor of the Water Quality Branch at (502) 564-2225. [401 KAR 8:100 Section 1(7)]

**Subfluvial Pipe Crossings:**

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Condition No.	Condition
T-13	Subfluvial Pipe Crossings: For subfluvial pipe crossings, a floodplain construction permit will not be required pursuant to KRS 151.250 if the following requirements of 401 KAR 4:050 Section 2 are met. 1) No material may be placed in the stream or in the flood plain of the stream to form construction pads, coffer dams, access roads, etc. during construction of pipe crossings. 2) Crossing trenches shall be backfilled as closely as possible to the original contour. 3) All excess material resulting from construction displacement in a crossing trench shall be disposed of outside the flood plain. 4) For erodible channels, there shall be at least 30 inches of backfill on top of all pipe or conduit points in the crossing. 5) For nonerodible channels, pipes or conduits in the crossing shall be encased on all sides by at least 6 inches of concrete with all pipe or conduit points in the crossing at least 6 inches below the original contour of the channel. [401 KAR 8:100 Section 1(7)]

**Distribution-Major Construction**

Bullock Pen Water District  
Facility Requirements

Activity ID No.: APE20080002

**PORT27 (continued):**

Narrative Requirements:

**Subfluvial Pipe Crossings:**

---

Condition	Condition
No.	Condition
T-14	Subfluvial Pipe Crossings: For subfluvial pipe crossings greater than 15 feet in width, 1) the pipe shall be of special construction, having flexible, restrained, or welded watertight joints, and 2) valves shall be provided at both ends of water crossings so that the section can be isolated for testing or repair. Valves shall a) be easily accessible, b) not be subject to flooding, and c) if closest to the supply source, be in a manhole with permanent taps made on each side of the valve to allow insertion of a small meter to determine leakage and for sampling purposes. [Recommended Standards for Water Works 8.7.2]

## Distribution-Major Construction

Bullock Pen Water District  
Facility Requirements

Activity ID No.: APE20080002

Page 9 of 14

### PORT28 (Booster Pump Station) 20 HP, 709 GPM, 92 TDH Booster Pump Station:

#### Limitation Requirements:

Condition No.	Parameter	Condition
L-1	Pressure	Pump stations shall be located or controlled so that intake Pressure $\geq 20$ psi is maintained during normal pump operation. [Recommended Standards for Water Works 6.4.b] This requirement is applicable during the following months: All Year. Statistical basis: Minimum.
L-2	Pressure	Pump stations shall be located or controlled so that an automatic cutoff or a low pressure controller maintains a Pressure $\geq 10$ psi in the suction line under all operating conditions. [Recommended Standards for Water Works 6.4.c] This requirement is applicable during the following months: All Year. Statistical basis: Minimum.
L-3	Residual Disinfection	New pumps shall be thoroughly disinfected (in accordance with AWWA Standard C651) upon completion of construction and before being placed into service. To disinfect new pumps use chlorine or chlorine compounds in such amounts as to produce an initial disinfectant concentration of at least 50 ppm and a Residual Disinfection $\geq 25$ ppm at the end of 24 hours. Follow the disinfection with thorough flushing and place each pump into service if, and only if, Coliform monitoring applicable to the pump does not show the presence of Coliform. If Coliform is detected, repeat flushing of the pump and Coliform monitoring. If Coliform is still detected, repeat disinfection and flushing as if the pump has never been disinfected. Continue the described process until monitoring does not show the presence of Coliform. [401 KAR 8:100 Section 1(7)] This requirement is applicable during the following months: All Year. Statistical basis: Minimum.
L-4	Slope	Pumping facilities shall be located and designed to maintain the sanitary quality of pumped water. As part of this, all pump station floors shall have Slope $\geq 3$ in per 10 ft to a suitable drain. [Recommended Standards for Water Works 6.2.e, Recommended Standards for Water Works 6.0, Recommended Standards for Water Works 6.1] This requirement is applicable during the following months: All Year. Statistical basis: Minimum.
L-5	Air Change Rate	Ventilation shall conform to existing local and/or state codes. At a minimum forced ventilation shall produce an Air Change Rate $\geq 6$ air change(s)/hr. [401 KAR 8:100 Section 1(7), Recommended Standards for Water Works 6.2.5] This requirement is applicable during the following months: All Year. Statistical basis: Minimum.

## Distribution-Major Construction

Bullock Pen Water District  
Facility Requirements

Activity ID No.: APE20080002

Page 10 of 14

### PORT28 (continued):

#### Limitation Requirements:

Condition No.	Parameter	Condition
L-6	Height	Pumping stations shall not be subject to flooding. To this end, 1) grading around stations shall lead surface drainage away and 2) stations shall be elevated or protected to a Height $\geq$ 3 ft above the highest of the following: a) the 100-year flood elevation, or b) the highest recorded flood elevation. [Recommended Standards for Water Works 6.1.1, Recommended Standards for Water Works 6.0] This requirement is applicable during the following months: All Year. Statistical basis: Minimum.
L-7	Height	When a pump station has pits or compartments which must be entered, stairways or ladders shall be provided between all floors. Stairs shall have risers with a Height $\leq$ 9 in, handrails on both sides, and treads with non-slip material wide enough for safety. [Recommended Standards for Water Works 6.2.3] This requirement is applicable during the following months: All Year. Statistical basis: Maximum.

#### Narrative Requirements:

##### Additional Limitations:

Condition No.	Condition
T-1	Additional Limitations: Pumping stations shall be so located that the proposed site will meet the requirements for hydraulics of the system. [Recommended Standards for Water Works 6.1]
T-2	Additional Limitations: Pumping stations shall be readily accessible at all times for servicing and repairs. [Recommended Standards for Water Works 6.1.1.b, Recommended Standards for Water Works 6.4.3]
T-3	Additional Limitations: Pumping stations shall be designed to prevent vandalism and protect against entrance of animals or unauthorized persons. [Recommended Standards for Water Works 6.1.1.d]
T-4	Additional Limitations: Pumping stations shall be of durable construction with outward-opening doors. [Recommended Standards for Water Works 6.2.b]



## Distribution-Major Construction

Bullock Pen Water District  
Facility Requirements

Activity ID No.: APE20080002

Page 11 of 14

### PORT28 (continued):

#### Narrative Requirements:

##### Additional Limitations:

Condition No.	Condition
T-5	Additional Limitations: Pumping stations shall be fire and weather resistant. [Recommended Standards for Water Works 6.2.b]
T-6	Additional Limitations: Pumping stations shall have suitable pump gland discharges so that drainage from the glands is not onto the floor. [Recommended Standards for Water Works 6.2.f]
T-7	Additional Limitations: If underground structures are present at pumping stations, they shall be waterproofed. [Recommended Standards for Water Works 6.2.d]
T-8	Additional Limitations: Pumping stations shall have adequate space for the installation of additional pumps. [Recommended Standards for Water Works 6.2.a]
T-9	Additional Limitations: Pumping stations shall have adequate space for the safe servicing of all equipment. [Recommended Standards for Water Works 6.2.a]
T-10	Additional Limitations: Pump stations shall have crane-ways, hoist beams, eyebolts, or other adequate facilities for servicing or removal of pumps, motors or other heavy equipment. [Recommended Standards for Water Works 6.2.2.a]
T-11	Additional Limitations: Pump stations shall have openings as needed for removal of heavy or bulky equipment. [Recommended Standards for Water Works 6.2.2.b]
T-12	Additional Limitations: Pump stations shall have a convenient tool board, or other facilities as needed, for proper maintenance of equipment. [Recommended Standards for Water Works 6.2.2.c]
T-13	Additional Limitations: In areas where excess moisture could cause safety hazards or damage to equipment, dehumidification shall be provided. [401 KAR 8:100 Section 1(7), Recommended Standards for Water Works 6.2.6]
T-14	Additional Limitations: Electrical controls shall be located above grade. [Recommended Standards for Water Works 6.6.5]

**Distribution-Major Construction**

Bullock Pen Water District  
Facility Requirements

Activity ID No.: APE20080002

**PORT28 (continued):**

**Narrative Requirements:**

**Additional Limitations:**

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Condition No.	Condition
T-15	Additional Limitations: All electrical equipment and work shall conform with the applicable state and local electrical codes and the National Electrical Code. [Recommended Standards for Water Works 6.5, Recommended Standards for Water Works 6.2.7]
T-16	Additional Limitations: Pump stations shall be adequately lighted throughout. [Recommended Standards for Water Works 6.2.7]
T-17	Additional Limitations: All automatic pump stations shall be provided with automatic signaling apparatus which will report when the station is out of service. All remote controlled stations shall be electrically operated and controlled and shall have signaling apparatus of proven performance. [Recommended Standards for Water Works 6.5]
T-18	Additional Limitations: Automatic or remote control pump stations shall be located or shall have control devices setup so that the range between start and cutoff pressure prevents excessive pump cycling. [Recommended Standards for Water Works 6.4.d]
T-19	Additional Limitations: Equipment shall be provided or other arrangements made to prevent surge pressures from activating controls which switch on pumps or activate other equipment outside the normal design cycle of operation. [Recommended Standards for Water Works 6.6.5]
T-20	Additional Limitations: Provisions shall be made to prevent energizing the motor in the event of a backspin cycle. [Recommended Standards for Water Works 6.6.5]
T-21	Additional Limitations: Pump stations shall be provided with enough heat to prevent freezing of equipment or treatment processes. [Recommended Standards for Water Works 6.2.4]
T-22	Additional Limitations: Pump stations shall have at least 2 pumps. Pumps shall be sized so that if any single pump is out service, the remaining pump or pumps shall be capable of providing the peak demand on the station. [Recommended Standards for Water Works 6.3, Recommended Standards for Water Works 6.4.1]
T-23	Additional Limitations: Provisions shall be made for pump alternation. [Recommended Standards for Water Works 6.6.5]

## Distribution-Major Construction

Bullock Pen Water District  
Facility Requirements

Activity ID No.: APE20080002

Page 13 of 14

### PORT28 (continued):

#### Narrative Requirements:

##### Additional Limitations:

Condition No.	Condition
T-24	<p>Additional Limitations: Pumps shall</p> <ol style="list-style-type: none"><li>have ample capacity to supply the peak demand against the required distribution system pressure without dangerous overloading,</li><li>be driven by prime movers able to meet the maximum horsepower condition of the pumps,</li><li>be provided readily available spare parts and tools, and</li><li>be served by control equipment that is properly protected against temperatures to be encountered. [Recommended Standards for Water Works 6.3]</li></ol>
T-25	<p>Additional Limitations: Pumps, their prime movers and accessories shall be controlled in such a manner that they will operate at rated capacity without dangerous overload. [Recommended Standards for Water Works 6.6.5]</p>
T-26	<p>Additional Limitations: Pump stations shall be located or controlled so that a bypass is available. [Recommended Standards for Water Works 6.4.e]</p>
T-27	<p>Additional Limitations: Pump stations shall contain indicating and totalizing metering of the total water pumped. Each pump shall have</p> <ol style="list-style-type: none"><li>a standard pressure gauge on its discharge line and</li><li>a compound gauge on its suction line.</li></ol> <p>Each pump should have a means for measuring the instantaneous volume per time discharge. [401 KAR 8:100 Section 1(7), Recommended Standards for Water Works 6.4.2, Recommended Standards for Water Works 6.6.3]</p>
T-28	<p>Additional Limitations: Pumps shall be adequately valved to permit satisfactory operation, maintenance and repair of the equipment. Each pump shall have a positive-acting check valve on the discharge side between the pump and the shut-off valve. [Recommended Standards for Water Works 6.6.1]</p>

**Distribution-Major Construction**

Bullock Pen Water District  
Facility Requirements

Activity ID No.: APE20080002

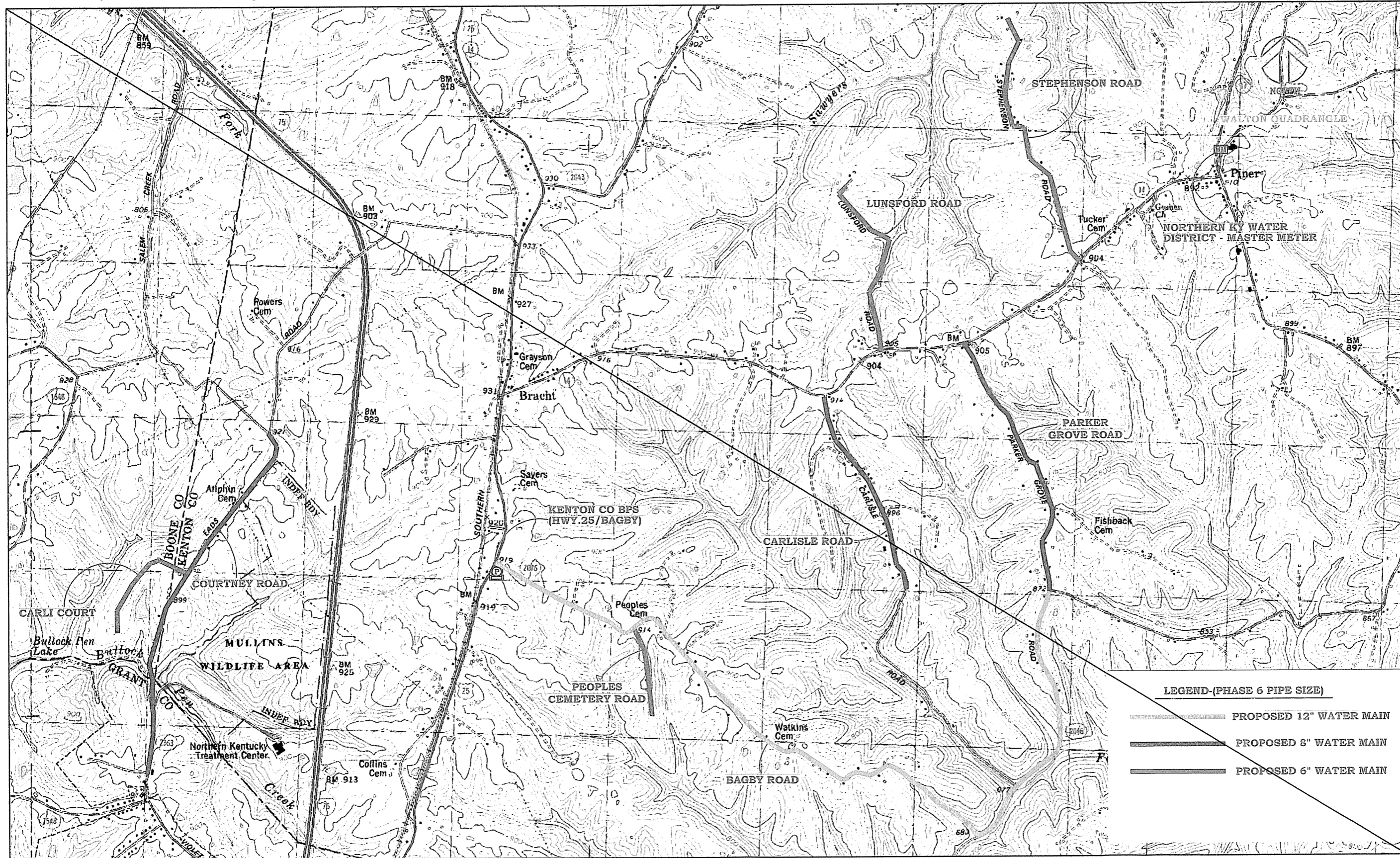
**PORT28 (continued):**

**Narrative Requirements:**

**Additional Limitations:**

Condition No.	Condition
T-29	<p>Additional Limitations: Piping for pumps shall, in general,</p> <ol style="list-style-type: none"><li>1) be designed so that the friction losses will be minimized,</li><li>2) not be subject to contamination,</li><li>3) have watertight joints,</li><li>4) be protected against surge or water hammer,</li><li>5) be provided with restraints where necessary, and</li><li>6) a) be such that each pump has an individual suction line or b) be manifolded such that the lines insure similar hydraulic and operating conditions. [Recommended Standards for Water Works 6.6.2]</li></ol>
T-30	<p>Additional Limitations: To ensure continuous service when the primary power is interrupted, power supplied to pump stations shall be</p> <ol style="list-style-type: none"><li>a) from at least 2 independent sources or</li><li>b) from a primary source with a standby or auxiliary source provided.</li></ol> <p>If standby power is provided by onsite generators or engines, the fuel storage and fuel line must be designed to protect the water supply from contamination. [Recommended Standards for Water Works 6.6.6]</p>

WALTON, KENTUCKY QUADRANGLE



**CMM** inc.  
 138 N. Keeneland Dr., Ste E, Richmond, KY 40475  
 Voice 859.623.2966 Fax 859.623.0886

FAILURE TO ADHERE BY  
 THESE DOCUMENTS OR  
 TO CORRECT ERRORS  
 WILL BE AT THE USER'S  
 RISK. THE USER SHALL  
 BE RESPONSIBLE FOR  
 VERIFYING THE ACCURACY  
 OF THE INFORMATION  
 SHOWN ON THIS MAP.  
 THE USER SHALL BE  
 RESPONSIBLE FOR  
 OBTAINING ALL NECESSARY  
 PERMITS AND RIGHTS  
 OF WAY FROM THE  
 APPROPRIATE AGENCIES  
 AND OWNERS OF THE  
 LANDS SHOWN ON THIS  
 MAP. THE USER SHALL  
 BE RESPONSIBLE FOR  
 OBTAINING ALL NECESSARY  
 PERMITS AND RIGHTS  
 OF WAY FROM THE  
 APPROPRIATE AGENCIES  
 AND OWNERS OF THE  
 LANDS SHOWN ON THIS  
 MAP.

VICINITY (USGS TOPO) MAP  
 BULLOCKPEN WATER DISTRICT  
 PHASE 6 WATERLINE PROJECT  
 TRI-COUNTY-KY (BOONE;GRANT;KENTON)

Issue Date: FEB 2008  
 Drawn By: OC  
 Checked By: KO  
 Revisions:  
 01-09 OC FINAL BID

Date/Work Note  
 Dwg: USGS\_Ph6\_PSC 01-27-09.dwg

Project Number  
 07463.04

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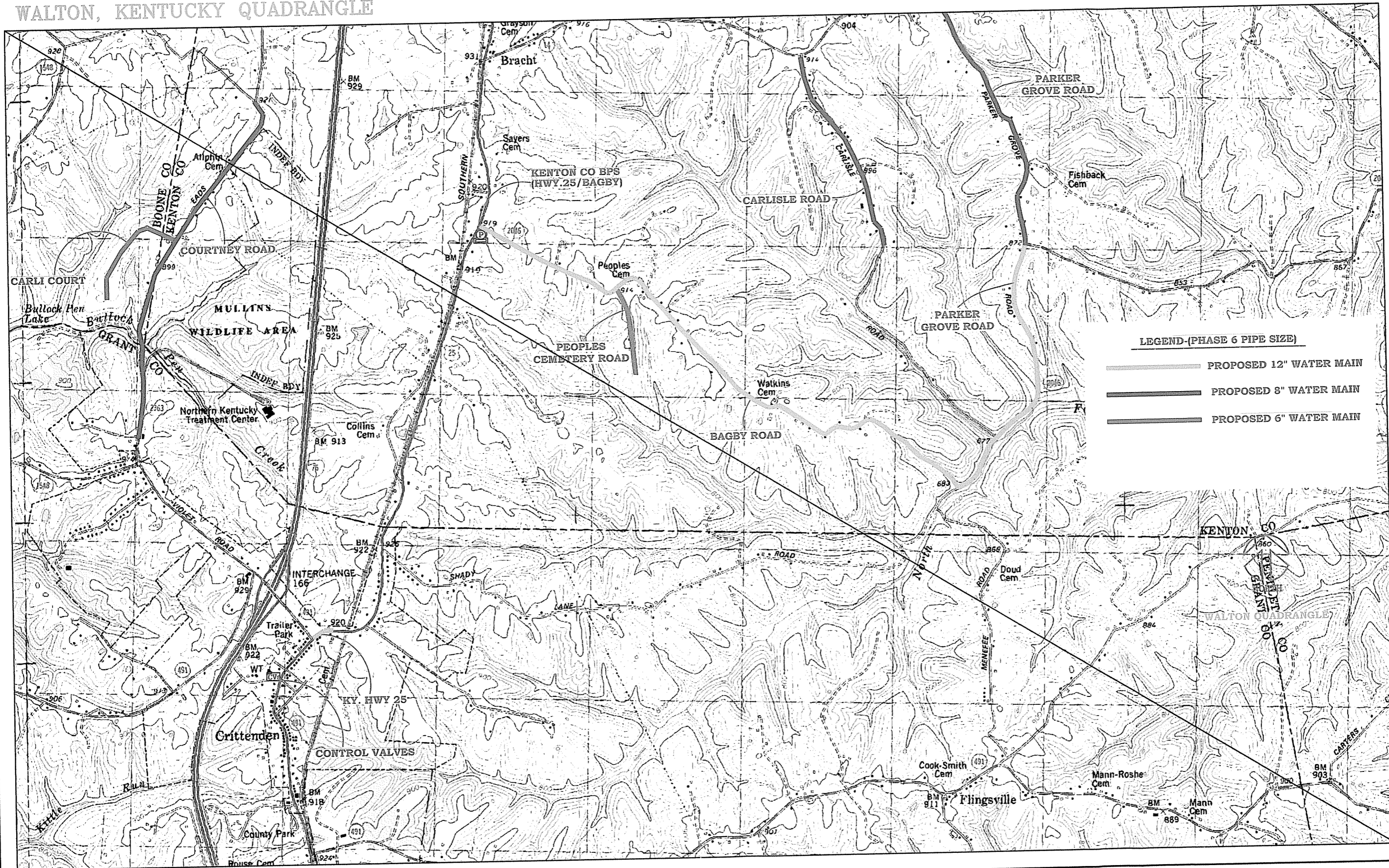
1  
 Plot Date: 01-27-09

File:



GRANT/BOONE/KENTON/PENDLETON COUNTIES  
 HWY. 25 (CRITTENDEN) WATER LINE REPLACEMENT  
 WALTON, KENTUCKY QUADRANGLE

SCALE 1"=2000'



**LEGEND-(PHASE 6 PIPE SIZE)**

- PROPOSED 12" WATER MAIN
- PROPOSED 8" WATER MAIN
- PROPOSED 6" WATER MAIN

**CMM** inc.  
 138 N. Keeneland Dr., Ste E, Richmond, KY 40475  
 Voice 659.623.2866 Fax 659.623.0886

FAILURE TO ADHERE TO THESE DESIGN STANDARDS OR TO OBTAIN GUIDANCE FROM THE DESIGN PROFESSIONAL ENGINEER OR ARCHITECT MAY RESULT IN A VIOLATION OF THE PROFESSIONAL ENGINEERING ACT AND/OR ARCHITECTURE ACT. THE USER ASSUMES ALL LIABILITY FOR ANY DAMAGE, LOSS, OR CONSEQUENCES THAT MAY RESULT FROM THE USE OF THIS DOCUMENT.

VICINITY (USGS TOPO) MAP  
 BULLOCKPEN WATER DISTRICT  
 PHASE 6 WATERLINE PROJECT  
 TRI-COUNTY-KY (BOONE;GRANT;KENTON)

Issue Date: FEB 2008  
 Drawn By: OC  
 Checked By: KO  
 Revisions:  
 01-09 OC FINAL BID

Date/Mark: Note  
 Dwg: USGS\_Ph6\_PSC 01-27-09

Project Number  
**07463.04**

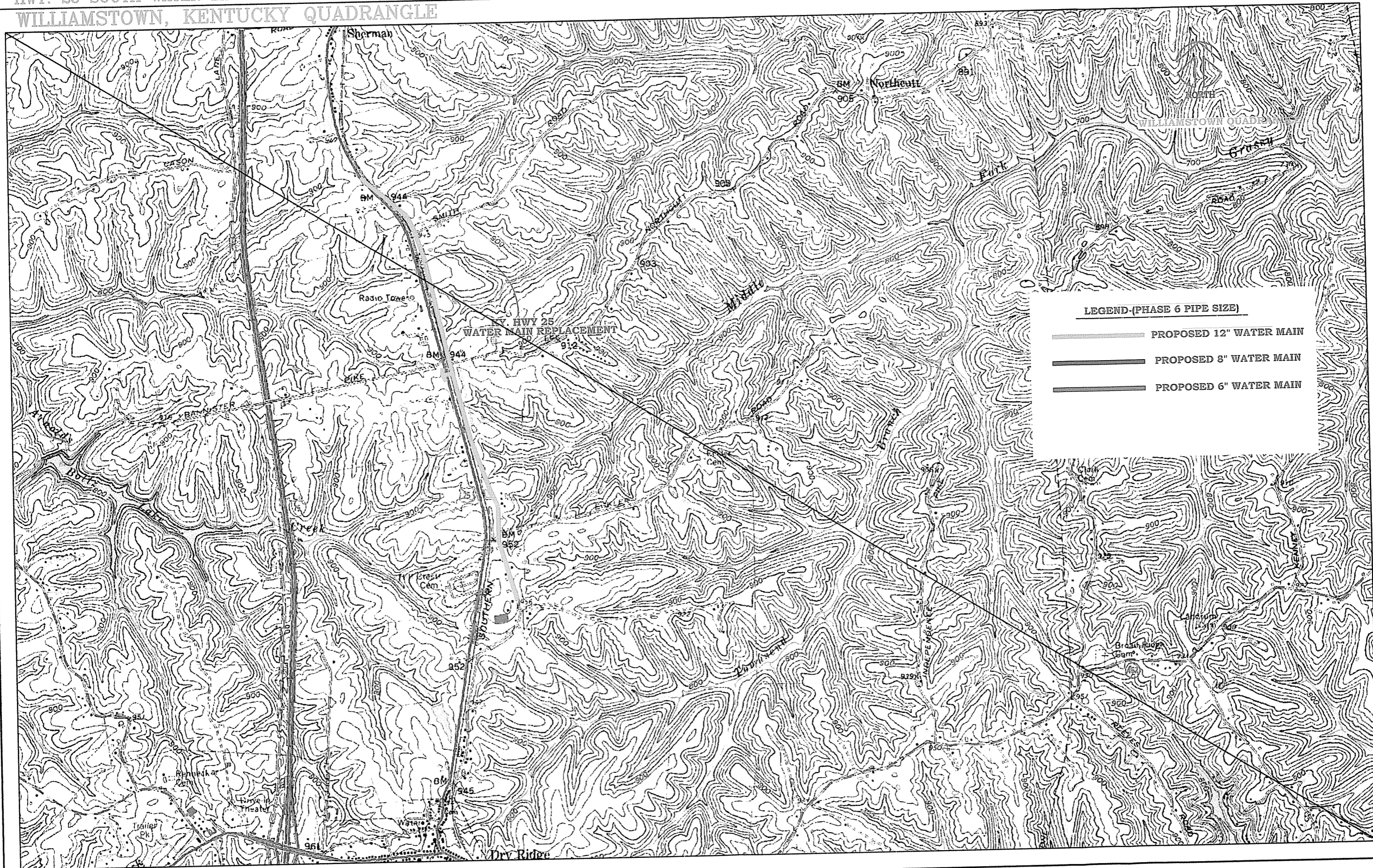
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 2  
 Plot Date: 01-27-09

File:



GRANT COUNTY  
 HWY. 25 SOUTH WATER LINE REPLACEMENT  
 WILLIAMSTOWN, KENTUCKY QUADRANGLE

SCALE 1"=2000'



**CMW inc.**  
 138 N. Keeneland Dr., Ste E, Richmond, KY 40475  
 Voice 659.623.2866 Fax 659.623.0886

PLEASE TO ASK BY  
 DESIGN DOCUMENTS OR  
 TO OBTAIN GUIDANCE  
 THE DESIGN PROFESSIONAL HAS  
 REVIEWED THIS PROJECT AND  
 CONFIRMS THAT THE PROJECT  
 INFORMATION IS ACCURATE AND  
 COMPLETE TO THE BEST OF HIS  
 KNOWLEDGE AND BELIEF. ANY  
 CHANGES TO THE PROJECT  
 MUST BE APPROVED BY THE  
 DESIGN PROFESSIONAL OR HIS  
 AUTHORIZED REPRESENTATIVE.

VICINITY (USGS TOPO) MAP  
 BULLOCKPEN WATER DISTRICT  
 PHASE 6 WATERLINE PROJECT  
 TRI-COUNTY-KY (BOONE;GRANT;KENTON)

Issue Date:	FEB 2008
Drawn By:	OC
Checked By:	KO
Revisions:	
01-09 OC	FINAL BD
Date/Mark	Note
Dwg:	
USGS File_P3C 01-27-09.dwg	
Project Number	07463.04
© 2001 CMW	
	3
Plot Date:	01-27-09

File:

**WATER MAIN EXTENSION AND UPGRADES - PHASE 6  
BULLOCK PEN WATER DISTRICT**

22.	5/8" x 3/4" Meter Unit with PRV	1	EA	\$ 1,000.00	\$ 1,000.00
23.	3/4" PE Service Line	120	LF	\$ 6.00	\$ 720.00
24.	1" PE Service Line	180	LF	\$ 6.15	\$ 1,107.00
25.	1" PE Service Line, Jacked Under Road	198	LF	\$ 18.90	\$ 3,742.20

Subtotal E: Parkers Grove \$ 317,874.20  
USE FIGURES

F. Alternate #6 – Stephenson Road – 8" Water Line

ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL AMOUNT
1.	8" PVC Water Main C-900, Class 150	5,920	LF	\$ 10.90	\$ 64,528.00
2.	Connection to Existing Water Main (Wet Tap Performed by BPWD)	1	EA	\$ 2,525.00	\$ 2,525.00
3.	8" MJ Gate Valve Complete, with Box and Cover	3	EA	\$ 1,020.00	\$ 3,060.00
4.	Fire Hydrant, Complete with Gate Valve	4	Ea	\$ 3,200.00	\$ 12,800.00
5.	Jack and Bore with 12" Steel Encasement Pipe	66	LF	\$ 113.00	\$ 7,458.00
6.	Free Bore for 8" Water Main	59	LF	\$ 37.00	\$ 2,183.00
7.	Concrete Encasement	2	CY	\$ 145.00	\$ 290.00
8.	Extra Crushed Stone Bedding	20	TONS	\$ 17.50	\$ 350.00
9.	5/8" x 3/4" Meter Unit without PRV	8	EA	\$ 630.00	\$ 5,040.00
10.	3/4" PE Service Line	40	LF	\$ 6.00	\$ 240.00
11.	1" PE Service Line	180	LF	\$ 6.15	\$ 1,107.00
12.	1" PE Service Line, Jacked under Roadway	120	LF	\$ 18.90	\$ 2,268.00

Subtotal F: Stephenson Road \$ 101,849.00  
USE FIGURES



**WATER MAIN EXTENSION AND UPGRADES - PHASE 6  
BULLOCK PEN WATER DISTRICT**

G. Alternate #7 – People Cemetery Road – 8" Water Line

ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL AMOUNT
1.	8" PVC Water Main C-900, Class 150	1,900	LF	\$ 10.90	\$ 20,710.00
2.	8" MJ Gate Valve, Complete with Box and Cover	2	EA	\$ 1,020.00	\$ 2,040.00
3.	Fire Hydrant, Complete with Gate Valve	1	EA	\$ 3,200.00	\$ 3,200.00
4.	Jack and Bore with 12" Steel Encasement Pipe	30	LF	\$ 113.00	\$ 3,390.00
5.	5/8" x 3/4" Meter without PRV	2	EA	\$ 630.00	\$ 1,260.00
6.	3/4" PE Service Pipe	20	LF	\$ 6.00	\$ 120.00
7.	1" PE Service Pipe	700	LF	\$ 6.15	\$ 4,305.00

Subtotal G: People Cemetery Road \$ 35,025.00  
USE FIGURES

H. Alternate #8 – Lunsford Road – 8" Water Line

ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL AMOUNT
1.	8" PVC Water Main C-900, Class 150	3,280	LF	\$ 10.90	\$ 35,752.00
2.	8" PVC Water Main C-900, Class 200	1,020	LF	\$ 12.15	\$ 12,393.00
3.	Connection to Existing Water Main (Wet Tap Performed by BPWD)	1	EA	\$ 2,525.00	\$ 2,525.00
4.	8" MJ Gate Valve, Complete with Box and Cover	3	EA	\$ 1,020.00	\$ 3,060.00
5.	Fire Hydrant, Complete with Gate Valve	3	EA	\$ 3,200.00	\$ 9,600.00
6.	Jack and Bore with 12" Steel Encasement Pipe	160	LF	\$ 113.00	\$ 18,080.00
7.	Free Bore	36	LF	\$ 37.00	\$ 1,332.00
8.	PVC Encasement with Concrete	56	LF	\$ 48.00	\$ 2,688.00
9.	Relocate Existing Meter	2	EA	\$ 400.00	\$ 800.00
10.	5/8" x 3/4" Meter Unit without PRV	2	EA	\$ 630.00	\$ 1,260.00

**WATER MAIN EXTENSION AND UPGRADES - PHASE 6  
BULLOCK PEN WATER DISTRICT**

11.	¾" PE Service Line	20	LF	\$ 6.00	\$ 120.00
12.	1" PE Service Line	30	LF	\$ 6.15	\$ 184.50
13.	1" PE Service Line Jacked under Roadway	20	LF	\$ 18.90	\$ 378.00

Subtotal H: Lunsford Road \$ 88,172.50  
USE FIGURES

*Alternate #9*

I. Sand Backfill on all Base Bid Water Lines Excluding Part G and H

ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL AMOUNT
1.	8" Water Line	38,400	LF	\$ 2.00	\$ 76,800.00
2.	6" Water Line	14,320	LF	\$ 1.90	\$ 27,208.00

Subtotal ~~Alternate #10~~ - Sand Backfill \$ 104,008.00  
*I: Alternate #9* USE FIGURES

TOTAL AMOUNTS SHALL BE SHOWN IN BOTH WORDS AND FIGURES. IN CASE OF DISCREPANCIES, THE AMOUNT AS WRITTEN IN WORDS SHALL GOVERN.

The above price shall include all labor, materials, bailing, shoring, removal, overhead, profit, insurance, etc., to cover the finished work of the several kinds called for. Changes shall be processed in accordance with the General Conditions.

Determination of low bidder will be based on the lowest and best Total Bid. Award will be made to the lowest responsive, responsible Bidder.

The Bidder agrees that the Owner reserves the right to delete the whole or any part of the project from the Contract.

The Bidder understands that the Owner reserves the right to reject any or all bids and to waive any informalities in the bidding.

The Bidder agrees that this bid shall be good and may not be withdrawn for a period of ninety (90) calendar days after the scheduled closing time for receiving bids.

WATER MAIN EXTENSION AND UPGRADES - PHASE 6  
BULLOCK PEN WATER DISTRICT

Upon receipt of written notice of the acceptance of this bid, Bidder will execute the formal contract attached within ten (10) days and deliver a surety bond or bonds as required by Article 22 of the General Conditions.

Respectfully submitted:

Walter Martin Excavating, Inc.  
(Name of Contracting Firm)

BY: Yusamat

TITLE: President

ADDRESS: 698 Hwy. 1383  
Russell Springs, KY 42642

DATE: January 13, 2009

N/A  
License No. (if applicable)

Seal (If Bid by Corporation)

Attest: Betty A. McKenna

END BID FORM

January 26, 2009

To: Bobby Burgess, Chairman  
Bullock Pen Water District

From: Kerry Odle  
CMW, Inc.

Re: Water Main Extension and Upgrades-Phase 6  
Bullock Pen Water District

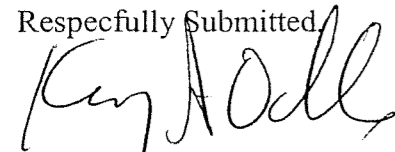
Subject: Bid Opening Minutes

Bids were accepted by Bullock Pen Water District until 2:00 pm on Tuesday, January 13, 2009. At 2:00 pm Kerry Odle, Project Manager, stated that no further bids will be accepted. Mr. Odle thanked all bidders for their bids and introduced Billy Cattlett as Superintendent of Bullock Pen Water District and Bobby Burgess, Chairman of Bullock Pen Water District. Mr. Burgess also thanked the contractors for their bids.

Mr. Odle opened and read aloud the Base Bid from all bids as shown on the attached "Tabulation of Bids". The apparent low bidder was announced as Walter Martin Excavating with a Base Bid of \$1,558,843.70.

Attached is a list of attendees who were present at the bid opening. With no further business, the bid opening was complete.

Respectfully Submitted,



Kerry Odle, PE  
Project Engineer

Attachments

C: Tom Nienaber w/a

C: file w/a

CMW Inc.

**CMW** Inc.

ARCHITECTURE ENGINEERING INTERIOR DESIGN LANDSCAPE ARCHITECTURE

400 E Vine St., Suite 400, Lexington, KY 40507 859 254 6623 Fax 859 259 1877  
www.cmwaec.com

DATE: January 13, 2009

PROJECT: WATER MAIN EXTENSION AND UPGRADES - PHASE 6  
BULLOCK PEN WATER DISTRICT

PROJECT NO.

Name	Company / Organization	Address	Phone & Fax	Email Address
Kerry Odle	CMW	Lexington	859-254-6623	KOdle@cmwinc.com
Shawn Martin	Walter Martin Exc.	Russell Springs	270-966-7208 / 7604	shmartin1@bellsouth.net
John Bays	John Bays DORING	Greenup Ky	606-927-7094	J.BAYS@ZOOMINTEGRITY.NET
Albert Allard	BP Pipeline	Quincy Ky	606-757-2070	
✓ George Kreuzjans	DUDLEY CONST.	FT WRIGHT KY	FAX 859-341-9725 859-341-7071	CONDIFURIA.DUDLEY@SSOC.COM
✓ Kelly Kirchbach	HD SUPPLY	LEXINGTON KY	859-967-7771	KELLY.KIRCHBACH@HD-SUPPLY.COM
✓ Matt Young	Howell Cont.	Ft. Wright KY	859-331-5457	MYoung@howellcont.com
✓ Gary Bockweg	FLORENCE WATERWORKS	P. WOOD'S	859-371-7710	GBOCKWEG@FLORENCE-WATERWORKS.COM
		GRBOCKWEG @		
Billy Catlett	BPWD	WINWATERWORK.COM		
Bobby Burgess	BPWD			

January 26, 2009

Mr. Bobby Burgess  
Bullock Water Pen District  
P.O. Box 188  
Crittenden, KY 41030

Re: Water Main Extension and Upgrades-Phase 6  
Bullock Pen Water District

Dear Bobby:

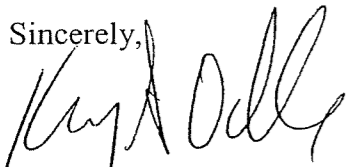
I have reviewed all bids and found math errors in several of the bids which did not affect the determination of low bidder. The low bidder was Walter Martin Excavating, Inc with a Base Bid of \$1,558,843.70. I have checked his references and found that Walter Martin Excavating, Inc is capable of doing the work and the District will be pleased with his work. Attached is a list of references with CMW's comments after the telephone calls were made. The Engineer's estimate was \$1,612,530.00.

With the low bid we received, I would recommend that the Base Bid of \$1,558,843.70 and line size increases for Bagby of \$158,281.50 and Parkers Grove of \$81,013.50 for a total bid of \$1,798,138.70 be awarded to Walter Martin Excavating, Inc. Per the District's Water Purchase Agreement with Northern Kentucky Water District, I submitted the low bid to them. They are agreeable to this recommendation.

Attached is an As-Bid Budget for this project.

If you have any questions or need additional information, please give me a call.

Sincerely,



Kerry Odle, PE  
Project Engineer

Attachments

C: Tom Nienaber w/a  
C: file w/a

CMW Inc.

**CMW** inc.

ARCHITECTURE ENGINEERING INTERIOR DESIGN LANDSCAPE ARCHITECTURE

400 E. Vine St., Suite 400, Lexington, KY 40507 859 254 6623 Fax 859 259 1877  
www.cmwaec.com

**Kerry Odle**

**From:** Kerry Odle [kodle@cmwaec.com]  
**Sent:** Thursday, January 15, 2009 10:04 AM  
**To:** David Hall  
**Subject:** FW: Projects

Here is the project list for Walter Martin that you need to check.  
Kerry

-----Original Message-----

**From:** CC42303@aol.com [mailto:CC42303@aol.com]  
**Sent:** Thursday, January 15, 2009 9:42 AM  
**To:** kodle@cmwaec.com  
**Subject:** Projects

Carroll County  
KY 42 Gas, Water & Sewer Relocation  
\$932,486.75  
Bill Osborne / Carrollton Utilities  
# 502-732-7055

Park City  
23 Mile of Gas Main Installation  
Labor and Equipment only  
\$ 880,943.00  
Larry Moore / Atmos Energy  
# 214-303-9159

*Talked with Larry Moore. Said they  
- was a good contractor. Had a few issues  
but was willing to resolve them quickly.*

City of Burkesville  
Water Transmission Mains  
\$ 972,631.75  
Mike Jacobs / GRW  
# 859-223-3999

*Talked with Mike Jacobs. He said  
- they had several leaks in their project  
but they worked hard to find them &  
fix in a timely manner.*

Lake Cumberland Gas Authority  
6" Transmission Mains  
\$1,168,679.33  
Eddie Brown / Kenvirons  
# 502-695-4357

*Talked with Eddie Brown. He said  
- they were an excellent contractor and  
he would have them do work for  
his company any time without reservations*

Call if any questions.

Colburn Clark  
Project Manager  
**Walter Martin Excavating, Inc.**  
698 Hwy. 1383  
Russell Springs, Ky. 42642  
**cc42303@aol.com**  
ph: (270) 866-7208  
fx: (270) 866-7204  
Mobile: (606) 305-2099

A Good Credit Score is 700 or Above. See yours in just 2 easy steps!

**As-Bid Project Cost**  
**Phase 6 - Water Main Extension and Upgrades**  
**Base Bid With Bagby and Parkers Grove Upgrades**  
**Bullock Pen Water District**  
**Grant and Kenton County**  
**1/23/09**

1. Construction Cost	\$1,798,139
2. Legal Expense	\$12,000
3. Easements	\$20,000
4. Pump Site Survey	\$2,000
5. Pump Station Site	\$2,000
6. Environmental	\$8,000
7. Endangered Species Survey	\$3,925
8. Railroad Crossing Fee	\$16,400
9. Preliminary Engineering	\$10,000
10. Engineering Design	\$151,634
11. Resident Inspection	\$86,311
12. Rate Study	\$6,500
13. PSC Submittal	\$5,000
14. Advertisements	\$1,111
15. Telemetry	\$40,000
16. Archeology Study	\$8,611
17. Three Phase Electric	\$38,000
18. Contingencies	<u>\$63,690</u>
	\$2,272,700

**Funding**

1. DWSRF Loan	\$2,192,700
2. Tap-on Fees - 80 x \$1000	\$80,000
Total	\$2,272,700



400 EAST VINE  
LEXINGTON, KENTUCKY

ENGINEER ESTIMATE: \$ 1,612,530.00

PROJECT: **WATER MAIN EXTENSION AND UPGRADES - PHASE 6  
BULLOCK PEN WATER DISTRICT**

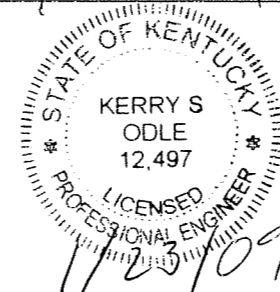
BID DATE: January 13, 2009

CONTRACTORS	BID BOND	ADDENDA #1	BASE BID	ALTERNATE ONE	ALTERNATE TWO	ALTERNATE THREE	ALTERNATE FOUR	ALTERNATE FIVE	ALTERNATE SIX	ALTERNATE SEVEN	ALTERNATE EIGHT	ALTERNATE NINE	NOTES
BP Pipeline	X	X	\$1,785,025.20	140,090.00	89,855.60	36,971.20	428,105.40	362,072.60	110,911.20	38,435.60	92,800.60	527,200.00	Math error in Base Bid
C Squared Inc.													
Coomer Contractors													
DF Bailey Inc.	X	X	1,619,202.87	132,866.49	83,687.22	32,469.12	474,278.04	347,908.37	109,562.66	35,487.10	91,989.32	482,322.40	
Double D Construction													
Dudley Construction	X	X	2,181,695.50	175,002.00	110,100.00	48,920.00	567,027.50	441,487.50	146,872.00	52,750.00	131,365.50	284,688.00	
Fields Excavating Inc.													
Hale Contracting Company													
Howell Contractors	X	X	1,770,068.00	145,498.00	105,420.00	35,370.00	508,347.00	366,875.00	130,462.00	44,370.00	107,690.00	158,160.00	Math errors in Alt #1 and #5
Music Construction Inc.													
Stotts Construction	X	X	1,647,661.00	122,806.00	92,982.00	34,622.00	503,407.50	330,681.00	114,486.00	38,705.00	94,242.00	151,000.00	Math errors in Base Bid & Alt #5
Tilton Excavating LLC													
Unger Company	X	X	1,951,803.00	139,974.00	102,210.00	43,795.00	552,340.00	381,920.00	128,252.00	42,690.00	112,500.00	196,560.00	
Walter Martin Excavating Inc.	X	X	1,558,843.70	104,319.00	79,097.00	35,125.00	506,391.00	317,874.20	101,849.00	35,025.00	88,172.50	104,008.00	

I CERTIFY THAT THE ABOVE IS A TRUE AND ACCURATE TABULATION OF THE BIDS RECEIVED FOR THIS PROJECT ON THE DATE LISTED ABOVE.

CMW, INC.

By: 



**WATER MAIN EXTENSION AND UPGRADES - PHASE 6  
BULLOCK PEN WATER DISTRICT**

**BID**

**WATER MAIN EXTENSION AND UPGRADES - PHASE 6  
GRANT, KENTON AND BOONE COUNTIES  
BULLOCK PEN WATER DISTRICT**

Proposal of Walter Martin Excavating, Inc. (hereinafter called "BIDDER"), a corporation organized and existing under the laws of the State of Kentucky doing business as a Corporation \*.

To the Bullock Pen Water District (hereinafter called "OWNER").

In compliance with your Advertisement for Bids, BIDDER hereby proposes to perform all WORK for the construction of Water Main Extension and Upgrades - Phase 6 – Grant, Kenton and Boone Counties, in strict accordance with the CONTRACT DOCUMENTS, within the time set forth therein, and at the prices stated below.

By submission of this BID, the 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 and to fully complete the base bid within 230 consecutive calendar days for base bid, 20 consecutive days for Alternate #1, 15 consecutive calendar days for Alternate #2, 20 consecutive days for Alternate #3, 10 consecutive calendar days for Alternate #4, 25 additional consecutive days for Alternate #5, 10 additional consecutive days for Alternate #6, 5 additional consecutive days for Alternate #7, 2 additional consecutive days for Alternate #8, 5 additional consecutive days for Alternate #9 and 30 consecutive days for Alternate #10. BIDDER further agrees to pay as liquidated damages, the sum of \$300 for each consecutive calendar day thereafter as hereinafter provided in Section 15 of the General Conditions.

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

**WATER MAIN EXTENSION AND UPGRADES - PHASE 6  
BULLOCK PEN WATER DISTRICT**

BIDDER acknowledges receipt of the following ADDENDUM:

No. 1 Dated Jan. 8, 2009 No. \_\_\_\_\_ Dated \_\_\_\_\_  
 No. \_\_\_\_\_ Dated \_\_\_\_\_ No. \_\_\_\_\_ Dated \_\_\_\_\_

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

- NOTE: (1) BIDS shall include sales tax and all other applicable taxes and fees.  
 (2) Breakdown of work is for general information. Any work shown on Drawings and/or specified but not listed below shall be included in total base bid. Cost of items of work not specifically described below may be added to related bid item(s) at bidder's discretion.

**BID SCHEDULE**

Part I. Base Bid

A. Bagby Road

ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL AMOUNT
1.	8" PVC Water Main, C-900 Class 150	11,580	LF	\$ 10.90	\$ 126,222.00
2.	8" PVC Water Main, C-900 Class 200	1,660	LF	\$ 12.15	\$ 20,169.00
3.	8" DI Class 50	230	LF	35.15	8,084.50
4.	Connection to Existing Water Main (Dry Tap)	1	EA	\$ 1,350.00	\$ 1,350.00
5.	8" MJ Gate Valve, Complete with Box and Cover	16	EA	\$ 1,020.00	\$ 16,320.00
6.	Fire Hydrant, Complete with Gate Valve	7	EA	\$ 3,200.00	\$ 22,400.00
7.	Jack and Bore with 12" Steel Encasement Pipe	90	LF	\$ 113.00	\$ 10,170.00
8.	Freebore for 8" Water Main	219	LF	\$ 37.00	\$ 8,103.00
9.	12 PVC Encasement w/ Concrete Cap	14	LF	\$ 48.00	\$ 672.00
10.	Underground Prefabricated Pump Station	1	EA	\$ 116,000.00	\$ 116,000.00

**WATER MAIN EXTENSION AND UPGRADES - PHASE 6  
BULLOCK PEN WATER DISTRICT**

11.	Concrete Encasement	5	CY	\$ 145.00	\$ 725.00
12.	Extra Crushed Stone Bedding	50	TONS	\$ 17.50	\$ 875.00
13.	5/8" x 3/4" Meter Unit without PRV	18	EA	\$ 630.00	\$ 11,340.00
14.	3/4" PE Service Line	180	LF	\$ 6.00	\$ 1,080.00
15.	1" PE Service Line	210	LF	\$ 6.15	\$ 1,291.50
16.	1" PE Service Line, Jacked under Roadway	175	LF	\$ 18.90	\$ 3,307.50

Subtotal A: Bagby Road \$ 348,109.50  
(USE FIGURES)

B. Parkers Grove

ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL AMOUNT
1.	8" PVC Water Main, C-900, Class 150	8,720	LF	\$ 10.90	\$ 95,048.00
2.	8" PVC Water Main, C-900, Class 200	3,380	LF	\$ 12.15	\$ 41,067.00
3.	6" PVC Water Main C-900, Class 200	40	LF	\$ 8.75	\$ 350.00
4.	8" HDPE Pipe DR 9.0	155	LF	\$ 17.50	\$ 2,712.50
5.	Connection to Existing Main (Wet Tap Performed by Bullock Pen Water District)	1	EA	\$ 2,525.00	\$ 2,525.00
6.	8" MJ Gate Valve, Complete with Box and Cover	12	EA	\$ 1,020.00	\$ 12,240.00
7.	6" MJ Gate Valve, Complete with Box and Cover	1	EA	\$ 675.00	\$ 675.00
8.	8" MJ Gate Valve with Bypass Meter	2	EA	\$ 1,850.00	\$ 3,700.00
9.	Fire Hydrant, Complete with Gate Valve	8	EA	\$ 3,200.00	\$ 25,600.00
10.	Jack and Bore with 12" Steel Encasement Pipe	183	LF	\$ 113.00	\$ 20,679.00
11.	Freebore for 8" Water Main	157	LF	\$ 37.00	\$ 5,809.00

**WATER MAIN EXTENSION AND UPGRADES - PHASE 6  
BULLOCK PEN WATER DISTRICT**

12.	PVC Encasement with Concrete Cap	42	LF	\$ 48.00	\$ 2,016.00
13.	Directional Bore with HDPE Encasement Pipe	1	LS	\$ 7,450.00	\$ 7,450.00
14.	Concrete Encasement	5	CY	\$ 145.00	\$ 725.00
15.	Extra Crushed Stone Bedding	50	TONS	\$ 17.50	\$ 875.00
16.	5/8" x 3/4" Meter Unit without PRV	14	EA	\$ 630.00	\$ 8,820.00
17.	5/8" x 3/4" Meter Unit with PRV	1	EA	\$ 1,000.00	\$ 1,000.00
18.	3/4" PE Service Line	120	LF	\$ 6.00	\$ 720.00
19.	1" PE Service Line	180	LF	\$ 6.15	\$ 1,107.00
20.	1" PE Service Line, Jacked under Roadway	198	LF	\$ 18.90	\$ 3,742.20

Subtotal B: Parkers Grove

\$ 236,860.70  
(USE FIGURES)

C. Stephenson Road

ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL AMOUNT
1.	6" PVC Water Main C-900, Class 150	5,920	LF	\$ 9.50	\$ 56,240.00
2.	Connection to Existing Water Main (Wet Tap Performed by BPWD)	1	EA	\$ 2,250.00	\$ 2,250.00
3.	6" MJ Gate Valve, Complete with Box and Cover	3	EA	\$ 675.00	\$ 2,025.00
4.	Fire Hydrant, Complete with Gate Valve	4	EA	\$ 3,200.00	\$ 12,800.00
5.	Jack and Bore with 10" Steel Encasement Pipe	66	LF	\$ 94.00	\$ 6,204.00
6.	Freebore for 6" Water Main	59	LF	\$ 37.00	\$ 2,183.00
7.	Concrete Encasement	2	CY	\$ 145.00	\$ 290.00
8.	Extra Crushed Stone Bedding	20	TONS	\$ 17.50	\$ 350.00
9.	5/8" x 3/4" Meter Unit without PRV	9	EA	\$ 630.00	\$ 5,670.00
10.	3/4" PE Service Line	40	LF	\$ 6.00	\$ 240.00
11.	1" PE Service Line	180	LF	\$ 6.15	\$ 1,107.00

**WATER MAIN EXTENSION AND UPGRADES - PHASE 6  
BULLOCK PEN WATER DISTRICT**

12.	1" PE Service Line, Jacked under Roadway	120	LF	\$ 18.90	\$ 2,268.00
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Subtotal C: Stephenson Road \$ 91,627.00  
(USE FIGURES)

D. Courtney Road and Carli Court

ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL AMOUNT
1.	8" PVC Water Main C-900, Class 150	8,380	LF	\$ 10.90	\$ 91,342.00
2..	8" HDPE Pipe DR 11	145	LF	\$ 17.50	\$ 2,537.50
3.	6" PVC Water Main C-900, Class 150	2,860	LF	\$ 9.50	\$ 27,170.00
4.	Connection to Existing Water Main (Dry Tap)	2	EA	\$ 1,350.00	\$ 2,700.00
5.	8" MJ Gate Valve, Complete with Box and Cover	9	EA	\$ 1,020.00	\$ 9,180.00
6.	6" MJ Gate Valve, Complete with Box and Cover	4	EA	\$ 675.00	\$ 2,700.00
7.	8" MJ Gate Valve with Bypass Meter	1	EA	\$ 1,850.00	\$ 1,850.00
8.	Air Relief Valve, Complete with Box and Cover	1	EA	\$ 985.00	\$ 985.00
9.	Fire Hydrant, Complete with Gate Valve	6	EA	\$ 3,200.00	\$ 19,200.00
10.	Jack and Bore with 12" Steel Encasement Pipe	25	LF	\$ 113.00	\$ 2,825.00
11.	Jack and Bore with 10" Steel Encasement Pipe	70	LF	\$ 94.00	\$ 6,580.00
12.	Freebore for 8" Water Main	222	LF	\$ 37.00	\$ 8,214.00
13.	Open Cut with 12" Steel Encasement Pipe	96	LF	\$ 60.00	\$ 5,760.00
14.	Directional Bore with HDPE Encasement Pipe	1	LS	\$ 7,500.00	\$ 7,500.00
15.	Concrete Encasement	5	CY	\$ 145.00	\$ 725.00
16.	Extra Crushed Stone Bedding	50	TONS	\$ 17.50	\$ 875.00
17.	5/8" x 3/4" Meter Unit without PRV	19	EA	\$ 630.00	\$ 11,970.00
18.	3/4" PE Service Line	250	LF	\$ 6.00	\$ 1,500.00
19.	1" PE Service Line	320	LF	\$ 6.15	\$ 1,968.00



**WATER MAIN EXTENSION AND UPGRADES - PHASE 6  
BULLOCK PEN WATER DISTRICT**

F. People Cemetery

ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL AMOUNT
1.	6" PVC Water Main C-900 Class 150	1,900	LF	\$ 9.50	\$ 18,050.00
2.	6" MJ Gate Valve, Complete with Box and Cover	2	EA	\$ 675.00	\$ 1,350.00
3.	Fire Hydrant, Complete with Gate Valve	1	EA	\$ 3,200.00	\$ 3,200.00
4.	Jack and Bore with 10" Steel Encasement Pipe	30	LF	\$ 94.00	\$ 2,820.00
5.	5/8" x 3/4" Meter without PRV	3	EA	\$ 630.00	\$ 1,890.00
6.	3/4" PE Service Pipe	20	LF	\$ 6.00	\$ 120.00
7.	1" PE Service Pipe	700	LF	\$ 6.15	\$ 4,305.00

Subtotal F: – People Cemetery \$ 31,735.00  
(USE FIGURES)

G. Highway 25 – Crittenden

ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL AMOUNT
1.	12" PVC Water Main, Class 250	440	LF	\$ 20.75	\$ 9,130.00
2.	Connection to Existing Water Main (Dry Tap)	2	EA	\$ 1,500.00	\$ 3,000.00
3.	Connection to Fire Vault (Dry Tap)	1	EA	\$ 2,000.00	\$ 2,000.00
4.	Fire Hydrant, Complete with Gate Valve	1	EA	\$ 3,200.00	\$ 3,200.00
5.	Jack and Bore with 16" Steel Encasement Pipe	80	LF	\$ 142.00	\$ 11,360.00
6.	Control Valve Vault	2	EA	\$ 15,500.00	\$ 31,000.00
7.	Reconnect to Existing 2" Meter	1	EA	\$ 1,200.00	\$ 1,200.00

Subtotal G: Highway 25 Crittenden \$ 60,890.00  
(USE FIGURES)



**WATER MAIN EXTENSION AND UPGRADES - PHASE 6  
BULLOCK PEN WATER DISTRICT**

H. Highway 25 – Grant County

ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL AMOUNT
1.	12" PVC Water Main, Class 250	9,980	LF	\$ 20.75	\$ 207,085.00
2.	12" HDPE Pipe, DR 11	187	LF	\$ 36.00	\$ 6,732.00
3.	6" PVC Water Main, Class 250	40	EA	\$ 12.25	\$ 490.00
4.	Connection to Existing Water Main (Dry Taps)	10	EA	\$ 1,500.00	\$ 15,000.00
5.	12" MJ Gate Valve, Complete with Box and Cover	20	EA	\$ 2,150.00	\$ 43,000.00
6.	8" Gate Valve, Complete with Box and Cover	1	EA	\$ 1,020.00	\$ 1,020.00
7.	6" MJ Gate Valve, Complete with Box and Cover	2	EA	\$ 675.00	\$ 1,350.00
8.	Fire Hydrant, Complete with Gate Valve	6	EA	\$ 3,200.00	\$ 19,200.00
9.	Jack and Bore with 18" Steel Encasement Pipe (Railroad Bore)	172	LF	\$ 180.00	\$ 30,960.00
10.	Jack and Bore with 16" Steel Encasement" Pipe	75	LF	\$ 142.00	\$ 10,650.00
11.	Open Cut with 16" Steel Encasement Pipe	110	LF	\$ 66.00	\$ 7,260.00
12.	Freebore for 12" Water Main	60	LF	\$ 45.00	\$ 2,700.00
13.	Jack and Bore with 10" Steel Encasement Pipe	24	LF	\$ 94.00	\$ 2,256.00
14.	Concrete Replacement	138	LF	\$ 50.00	\$ 6,900.00
15.	Concrete Encasement	5	CY	\$ 145.00	\$ 725.00
16.	Extra Crushed Stone Bedding	50	TONS	\$ 17.50	\$ 875.00
17.	Reconnection of 2" Water Main	1	EA	\$ 1,200.00	\$ 1,200.00
18.	Replacement and Reconnect of ¾" x 5/8" meter	17	EA	\$ 455.00	\$ 7,735.00

Subtotal H: Highway 25 – Grant County

\$ 365,138.00

(USE FIGURES)

BID

00400 - PAGE 8

**WATER MAIN EXTENSION AND UPGRADES - PHASE 6  
BULLOCK PEN WATER DISTRICT**

I. Master Meter

ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL AMOUNT
1.	8" PVC Water Main C-900, Class 150	60	LF	\$ 10.90	\$ 654.00
2.	Connection to Existing 12" Water Main (Dry Tap)	1	EA	\$ 1,500.00	\$ 1,500.00
3.	Connection to Existing 8" Water Main (Wet Tap)	1	EA	\$ 3,100.00	\$ 3,100.00
4.	Master Meter	1	EA	\$ 25,000.00	\$ 25,000.00

Subtotal I – Master Meter: \$ 30,254.00  
(USE FIGURES)

J. Lunsford Road

ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL AMOUNT
1.	6" PVC Water Main C-900, Class 150	3,280	LF	\$ 9.50	\$ 31,160.00
2.	6" PVC Water Main C-900, Class 200	1,020	LF	\$ 10.25	\$ 10,455.00
3.	Connection to Existing Water Main (Wet Tap Performed by BPWD)	1	EA	\$ 2,250.00	\$ 2,250.00
4.	6" MJ Gate Valve, Complete with Box and Cover	3	EA	\$ 675.00	\$ 2,025.00
5.	Fire Hydrant, Complete with Gate Valve	3	EA	\$ 3,200.00	\$ 9,600.00
6.	Jack and Bore with 10" Steel Encasement Pipe	160	LF	\$ 94.00	\$ 15,040.00
7.	Freebore	36	LF	\$ 37.00	\$ 1,332.00
8.	PVC Encasement with Concrete	56	LF	\$ 48.00	\$ 2,688.00
9.	Relocate Existing Meter	2	EA	\$ 400.00	\$ 800.00
10.	5/8" x 3/4" Meter Unit without PRV	7	EA	\$ 630.00	\$ 4,410.00
11.	3/4" PE Service Line	80	LF	\$ 6.00	\$ 480.00

**WATER MAIN EXTENSION AND UPGRADES - PHASE 6  
BULLOCK PEN WATER DISTRICT**

12.	1" PE Service Line	60	LF	\$ 6.15	\$ 369.00
13.	1" PE Service Line Jacked Under Roadway	40	LF	\$ 18.90	\$ 756.00

Subtotal J: – Lunsford Road: \$ 81,365.00  
(USE FIGURES)

**TOTAL PART I: BASE BID** \$ 1,558,843.70  
One Million Five Hundred Fifty Eight Thousand Eight Hundred Forty Three Dollars and Seventy Cents  
(USE FIGURES)

(USE WORDS)

Part II. Alternate Bids

A. Alternate #1 – Carlisle Road (40 + 60 to Parkers Grove)

ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL AMOUNT
1.	8" PVC Water Main C-900, Class 150	540	LF	\$ 10.90	\$ 5,886.00
2.	8" PVC Water Main C-900, Class 200	5,120	LF	\$ 12.15	\$ 62,208.00
3.	8" HDPE Pipe DR 9	172	LF	\$ 17.50	\$ 3,010.00
4.	8" MJ Gate Valve, Complete with Box and Cover	4	EA	\$ 1,020.00	\$ 4,080.00
5.	8" MJ Gate Valve with Bypass Meter	2	EA	\$ 1,850.00	\$ 3,700.00
6.	Fire Hydrant, Complete with Gate Valve	3	EA	\$ 3,200.00	\$ 9,600.00
7.	Jack and Bore with 12" Steel Encasement Pipe	36	LF	\$ 113.00	\$ 4,068.00
8.	Freebore	16	LF	\$ 37.00	\$ 592.00
9.	Directional Bore with HDPE Encasement Pipe	1	LS	\$ 8,000.00	\$ 8,000.00
10.	5/8" x 3/4" Meter Unit with PRV	1	EA	\$ 1,000.00	\$ 1,000.00
11.	1" PE Service Line	60	LF	\$ 6.15	\$ 369.00
12.	1" PE Service Line, Jacked under Roadway	40	LF	\$ 18.90	\$ 756.00
13.	3" PVC Sleeve Jacked under Roadway	30	LF	\$ 35.00	\$ 1,050.00

Subtotal A: Carlisle Road \$ 104,319.00  
(USE FIGURES)

BID

**WATER MAIN EXTENSION AND UPGRADES - PHASE 6  
BULLOCK PEN WATER DISTRICT**

B. Alternate #2 – Paxton Road

ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL AMOUNT
1.	8" PVC Water Main C-900, Class 150	4,800	LF	\$ 10.90	\$ 52,320.00
2.	8" Water Main C-900, Class 200	680	LF	\$ 12.15	\$ 8,262.00
3.	8" MJ Gate Valve, Complete with Box and Cover	3	EA	\$ 1,020.00	\$ 3,060.00
4.	Air Relief Valve, Complete with Box and Cover	1	EA	\$ 985.00	\$ 985.00
5.	Fire Hydrant, Complete with Gate Valve	3	EA	\$ 3,200.00	\$ 9,600.00
6.	Jack and Bore with 12" Steel Encasement Pipe	25	LF	\$ 113.00	\$ 2,825.00
7.	Freebore	25	LF	\$ 37.00	\$ 925.00
8.	5/8" x 3/4" Meter Unit with PRV	1	EA	\$ 1,000.00	\$ 1,000.00
9.	3/4" PE Service Line	20	LF	\$ 6.00	\$ 120.00

Subtotal B: Paxton Road \$ 79,097.00  
USE FIGURES

C. Alternate #3 – Fishback Cemetery Road

ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL AMOUNT
1.	6" PVC Water Main C-900, Class 150	2,620	LF	\$ 9.50	\$ 24,890.00
2.	6" MJ Gate Valve, Complete with Box and Cover	2	EA	\$ 675.00	\$ 1,350.00
3.	Air Relief Valve, Complete with Box and Cover	1	EA	\$ 985.00	\$ 985.00
4.	Fire Hydrant, Complete with Gate Valve	2	EA	\$ 3,200.00	\$ 6,400.00
5.	5/8" x 3/4" Meter Unit without PRV	2	EA	\$ 630.00	\$ 1,260.00
6.	3/4" PE Service Line	40	LF	\$ 6.00	\$ 240.00

Subtotal C: Fishback Cemetery Road \$ 35,125.00  
USE FIGURES

**WATER MAIN EXTENSION AND UPGRADES - PHASE 6  
BULLOCK PEN WATER DISTRICT**

D. Alternate #4 – Bagby Road Changed to 12" Water Line

ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL AMOUNT
1.	12" PVC Water Main C-900, Class 150	11,580	LF	\$ 21.25	\$ 246,075.00
2.	12" PVC Water Main C-900, Class 200	1,660	LF	\$ 23.50	\$ 39,010.00
3.	12" DI Class 50	230	LF	\$ 38.00	\$ 8,740.00
4.	Connection to Existing Water Main (Dry Tap)	1	LF	\$ 1,500.00	\$ 1,500.00
5.	12" MJ Gate Valve, Complete with Box and Cover	16	EA	\$ 2,150.00	\$ 34,400.00
6.	Fire Hydrant, Complete with Gate Valve	5	EA	\$ 3,200.00	\$ 16,000.00
7.	Jack and Bore with 16" Steel Encasement Pipe	90	LF	\$ 142.00	\$ 12,780.00
8.	Freebore for 12" Water Main	219	LF	\$ 45.00	\$ 9,855.00
9.	12" PVC Encasement with Concrete Cap	14	LF	\$ 48.00	\$ 672.00
10.	Underground Prefabricated Pump Station	1	EA	\$ 120,000.00	\$ 120,000.00
11.	Concrete Encasement	5	CY	\$ 145.00	\$ 725.00
12.	Extra Crushed Stone Bedding	50	TONS	\$ 17.50	\$ 875.00
13.	5/8" x 3/4" Meter Unit without PRV	16	EA	\$ 630.00	\$ 10,080.00
14.	3/4" PE Service Line	180	LF	\$ 6.00	\$ 1,080.00
15.	1" PE Service Line	210	LF	\$ 6.15	\$ 1,291.50
16.	1" PE Service Line, Jacked under Road	175	LF	\$ 18.90	\$ 3,307.50

Subtotal D: Bagby 12" Water Line \$ 506,391.00  
USE FIGURES

E. Alternate #5 – Parkers Grove with 12" Water Line from Paxton Road to Bagby Road

ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL AMOUNT
1.	12" PVC Water Main C-900, Class 150	2,800	LF	\$ 21.25	\$ 59,500.00

**WATER MAIN EXTENSION AND UPGRADES - PHASE 6  
BULLOCK PEN WATER DISTRICT**

2.	12" PVC Water Main C-900, Class 200	3,260	LF	\$ 23.50	\$ 76,610.00
3.	12" HDPE Pipe DR 9.0	155	LF	\$ 40.00	\$ 6,200.00
4.	8" PVC Water Main C-900, Class 150	5,940	LF	\$ 10.90	\$ 64,746.00
5.	6" PVC Water Main C-900, Class 200	40	LF	\$ 8.75	\$ 350.00
6.	Connection to Existing Main (Wet Tap Performed by BPWD)	1	EA	\$ 5,300.00	\$ 5,300.00
7.	12" MJ Gate Valve, Complete with Box and Cover	4	EA	\$ 2,150.00	\$ 8,600.00
8.	8" MJ Gate Valve, Complete with Box and Cover	8	EA	\$ 1,020.00	\$ 8,160.00
9.	6" MJ Gate Valve, Complete with Box and Cover	1	EA	\$ 675.00	\$ 675.00
10.	12" MJ Gate Valve with Bypass Meter	2	EA	\$ 3,000.00	\$ 6,000.00
11.	Fire Hydrant, Complete with Gate Valve	8	EA	\$ 3,200.00	\$ 25,600.00
12.	Jack and Bore with 16" Steel Encasement Pipe	68	LF	\$ 142.00	\$ 9,656.00
13.	Jack and Bore with 12" Steel Encasement Pipe	115	LF	\$ 113.00	\$ 12,995.00
14.	Free Bore for 12" Water Line	54	LF	\$ 45.00	\$ 2,430.00
15.	Free Bore for 8" Water Line	103	LF	\$ 37.00	\$ 3,811.00
16.	PVC Encasement with Concrete Cap for 12" Water Line	28	LF	\$ 55.00	\$ 1,540.00
17.	PVC Encasement with Concrete Cap for 8" Water Line	14	LF	\$ 48.00	\$ 672.00
18.	Directional Bore with HDPE Encasement Pipe	1	LS	\$ 9,300.00	\$ 9,300.00
19.	Concrete Encasement	5	CY	\$ 145.00	\$ 725.00
20.	Extra Crushed Stone Bedding	50	TONS	\$ 17.50	\$ 875.00
21.	5/8" x 3/4" Meter Unit without PRV	12	EA	\$ 630.00	\$ 7,560.00

**WATER MAIN EXTENSION AND UPGRADES - PHASE 6  
BULLOCK PEN WATER DISTRICT**

22.	5/8" x 3/4" Meter Unit with PRV	1	EA	\$ 1,000.00	\$ 1,000.00
23.	3/4" PE Service Line	120	LF	\$ 6.00	\$ 720.00
24.	1" PE Service Line	180	LF	\$ 6.15	\$ 1,107.00
25.	1" PE Service Line, Jacked Under Road	198	LF	\$ 18.90	\$ 3,742.20

Subtotal E: Parkers Grove \$ 317,874.20  
USE FIGURES

F. Alternate #6 – Stephenson Road – 8" Water Line

ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL AMOUNT
1.	8" PVC Water Main C-900, Class 150	5,920	LF	\$ 10.90	\$ 64,528.00
2.	Connection to Existing Water Main (Wet Tap Performed by BPWD)	1	EA	\$ 2,525.00	\$ 2,525.00
3.	8" MJ Gate Valve Complete, with Box and Cover	3	EA	\$ 1,020.00	\$ 3,060.00
4.	Fire Hydrant, Complete with Gate Valve	4	Ea	\$ 3,200.00	\$ 12,800.00
5.	Jack and Bore with 12" Steel Encasement Pipe	66	LF	\$ 113.00	\$ 7,458.00
6.	Free Bore for 8" Water Main	59	LF	\$ 37.00	\$ 2,183.00
7.	Concrete Encasement	2	CY	\$ 145.00	\$ 290.00
8.	Extra Crushed Stone Bedding	20	TONS	\$ 17.50	\$ 350.00
9.	5/8" x 3/4" Meter Unit without PRV	8	EA	\$ 630.00	\$ 5,040.00
10.	3/4" PE Service Line	40	LF	\$ 6.00	\$ 240.00
11.	1" PE Service Line	180	LF	\$ 6.15	\$ 1,107.00
12.	1" PE Service Line, Jacked under Roadway	120	LF	\$ 18.90	\$ 2,268.00

Subtotal F: Stephenson Road \$ 101,849.00  
USE FIGURES

**WATER MAIN EXTENSION AND UPGRADES - PHASE 6  
BULLOCK PEN WATER DISTRICT**

G. Alternate #7 – People Cemetery Road – 8" Water Line

ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL AMOUNT
1.	8" PVC Water Main C-900, Class 150	1,900	LF	\$ 10.90	\$ 20,710.00
2.	8" MJ Gate Valve, Complete with Box and Cover	2	EA	\$ 1,020.00	\$ 2,040.00
3.	Fire Hydrant, Complete with Gate Valve	1	EA	\$ 3,200.00	\$ 3,200.00
4.	Jack and Bore with 12" Steel Encasement Pipe	30	LF	\$ 113.00	\$ 3,390.00
5.	5/8" x 3/4" Meter without PRV	2	EA	\$ 630.00	\$ 1,260.00
6.	3/4" PE Service Pipe	20	LF	\$ 6.00	\$ 120.00
7.	1" PE Service Pipe	700	LF	\$ 6.15	\$ 4,305.00

Subtotal G: People Cemetery Road \$ 35,025.00  
USE FIGURES

H. Alternate #8 – Lunsford Road – 8" Water Line

ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL AMOUNT
1.	8" PVC Water Main C-900, Class 150	3,280	LF	\$ 10.90	\$ 35,752.00
2.	8" PVC Water Main C-900, Class 200	1,020	LF	\$ 12.15	\$ 12,393.00
3.	Connection to Existing Water Main (Wet Tap Performed by BPWD)	1	EA	\$ 2,525.00	\$ 2,525.00
4.	8" MJ Gate Valve, Complete with Box and Cover	3	EA	\$ 1,020.00	\$ 3,060.00
5.	Fire Hydrant, Complete with Gate Valve	3	EA	\$ 3,200.00	\$ 9,600.00
6.	Jack and Bore with 12" Steel Encasement Pipe	160	LF	\$ 113.00	\$ 18,080.00
7.	Free Bore	36	LF	\$ 37.00	\$ 1,332.00
8.	PVC Encasement with Concrete	56	LF	\$ 48.00	\$ 2,688.00
9.	Relocate Existing Meter	2	EA	\$ 400.00	\$ 800.00
10.	5/8" x 3/4" Meter Unit without PRV	2	EA	\$ 630.00	\$ 1,260.00



**WATER MAIN EXTENSION AND UPGRADES - PHASE 6  
BULLOCK PEN WATER DISTRICT**

11.	¾" PE Service Line	20	LF	\$ 6.00	\$ 120.00
12.	1" PE Service Line	30	LF	\$ 6.15	\$ 184.50
13.	1" PE Service Line Jacked under Roadway	20	LF	\$ 18.90	\$ 378.00

Subtotal H: Lunsford Road \$ 88,172.50  
USE FIGURES

*Alternate #9*

I. Sand Backfill on all Base Bid Water Lines Excluding Part G and H

ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL AMOUNT
1.	8" Water Line	38,400	LF	\$ 2.00	\$ 76,800.00
2.	6" Water Line	14,320	LF	\$ 1.90	\$ 27,208.00

Subtotal ~~# Alternate #10~~ Sand Backfill \$ 104,008.00  
*I: Alternate #9* USE FIGURES

TOTAL AMOUNTS SHALL BE SHOWN IN BOTH WORDS AND FIGURES. IN CASE OF DISCREPANCIES, THE AMOUNT AS WRITTEN IN WORDS SHALL GOVERN.

The above price shall include all labor, materials, bailing, shoring, removal, overhead, profit, insurance, etc., to cover the finished work of the several kinds called for. Changes shall be processed in accordance with the General Conditions.

Determination of low bidder will be based on the lowest and best Total Bid. Award will be made to the lowest responsive, responsible Bidder.

The Bidder agrees that the Owner reserves the right to delete the whole or any part of the project from the Contract.

The Bidder understands that the Owner reserves the right to reject any or all bids and to waive any informalities in the bidding.

The Bidder agrees that this bid shall be good and may not be withdrawn for a period of ninety (90) calendar days after the scheduled closing time for receiving bids.

**WATER MAIN EXTENSION AND UPGRADES - PHASE 6  
BULLOCK PEN WATER DISTRICT**

11.	Concrete Encasement	5	CY	\$ 145.00	\$ 725.00
12.	Extra Crushed Stone Bedding	50	TONS	\$ 17.50	\$ 875.00
13.	5/8" x 3/4" Meter Unit without PRV	18	EA	\$ 630.00	\$ 11,340.00
14.	3/4" PE Service Line	180	LF	\$ 6.00	\$ 1,080.00
15.	1" PE Service Line	210	LF	\$ 6.15	\$ 1,291.50
16.	1" PE Service Line, Jacked under Roadway	175	LF	\$ 18.90	\$ 3,307.50

Subtotal A: Bagby Road \$ 348,109.50  
(USE FIGURES)

B. Parkers Grove

ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL AMOUNT
1.	8" PVC Water Main, C-900, Class 150	8,720	LF	\$ 10.90	\$ 95,048.00
2.	8" PVC Water Main, C-900, Class 200	3,380	LF	\$ 12.15	\$ 41,067.00
3.	6" PVC Water Main C-900, Class 200	40	LF	\$ 8.75	\$ 350.00
4.	8" HDPE Pipe DR 9.0	155	LF	\$ 17.50	\$ 2,712.50
5.	Connection to Existing Main (Wet Tap Performed by Bullock Pen Water District)	1	EA	\$ 2,525.00	\$ 2,525.00
6.	8" MJ Gate Valve, Complete with Box and Cover	12	EA	\$ 1,020.00	\$ 12,240.00
7.	6" MJ Gate Valve, Complete with Box and Cover	1	EA	\$ 675.00	\$ 675.00
8.	8" MJ Gate Valve with Bypass Meter	2	EA	\$ 1,850.00	\$ 3,700.00
9.	Fire Hydrant, Complete with Gate Valve	8	EA	\$ 3,200.00	\$ 25,600.00
10.	Jack and Bore with 12" Steel Encasement Pipe	183	LF	\$ 113.00	\$ 20,679.00
11.	Freebore for 8" Water Main	157	LF	\$ 37.00	\$ 5,809.00

**WATER MAIN EXTENSION AND UPGRADES - PHASE 6  
BULLOCK PEN WATER DISTRICT**

12.	PVC Encasement with Concrete Cap	42	LF	\$ 48.00	\$ 2,016.00
13.	Directional Bore with HDPE Encasement Pipe	1	LS	\$ 7,450.00	\$ 7,450.00
14.	Concrete Encasement	5	CY	\$ 145.00	\$ 725.00
15.	Extra Crushed Stone Bedding	50	TONS	\$ 17.50	\$ 875.00
16.	5/8" x 3/4" Meter Unit without PRV	14	EA	\$ 630.00	\$ 8,820.00
17.	5/8" x 3/4" Meter Unit with PRV	1	EA	\$ 1,000.00	\$ 1,000.00
18.	3/4" PE Service Line	120	LF	\$ 6.00	\$ 720.00
19.	1" PE Service Line	180	LF	\$ 6.15	\$ 1,107.00
20.	1" PE Service Line, Jacked under Roadway	198	LF	\$ 18.90	\$ 3,742.20

Subtotal B: Parkers Grove

\$ 236,860.70  
(USE FIGURES)

C. Stephenson Road

ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL AMOUNT
1.	6" PVC Water Main C-900, Class 150	5,920	LF	\$ 9.50	\$ 56,240.00
2.	Connection to Existing Water Main (Wet Tap Performed by BPWD)	1	EA	\$ 2,250.00	\$ 2,250.00
3.	6" MJ Gate Valve, Complete with Box and Cover	3	EA	\$ 675.00	\$ 2,025.00
4.	Fire Hydrant, Complete with Gate Valve	4	EA	\$ 3,200.00	\$ 12,800.00
5.	Jack and Bore with 10" Steel Encasement Pipe	66	LF	\$ 94.00	\$ 6,204.00
6.	Freebore for 6" Water Main	59	LF	\$ 37.00	\$ 2,183.00
7.	Concrete Encasement	2	CY	\$ 145.00	\$ 290.00
8.	Extra Crushed Stone Bedding	20	TONS	\$ 17.50	\$ 350.00
9.	5/8" x 3/4" Meter Unit without PRV	9	EA	\$ 630.00	\$ 5,670.00
10.	3/4" PE Service Line	40	LF	\$ 6.00	\$ 240.00
11.	1" PE Service Line	180	LF	\$ 6.15	\$ 1,107.00

**WATER MAIN EXTENSION AND UPGRADES - PHASE 6  
BULLOCK PEN WATER DISTRICT**

12.	1" PE Service Line, Jacked under Roadway	120	LF	\$ 18.90	\$ 2,268.00
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Subtotal C: Stephenson Road \$ 91,627.00  
(USE FIGURES)

D. Courtney Road and Carli Court

ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL AMOUNT
1.	8" PVC Water Main C-900, Class 150	8,380	LF	\$ 10.90	\$ 91,342.00
2.	8" HDPE Pipe DR 11	145	LF	\$ 17.50	\$ 2,537.50
3.	6" PVC Water Main C-900, Class 150	2,860	LF	\$ 9.50	\$ 27,170.00
4.	Connection to Existing Water Main (Dry Tap)	2	EA	\$ 1,350.00	\$ 2,700.00
5.	8" MJ Gate Valve, Complete with Box and Cover	9	EA	\$ 1,020.00	\$ 9,180.00
6.	6" MJ Gate Valve, Complete with Box and Cover	4	EA	\$ 675.00	\$ 2,700.00
7.	8" MJ Gate Valve with Bypass Meter	1	EA	\$ 1,850.00	\$ 1,850.00
8.	Air Relief Valve, Complete with Box and Cover	1	EA	\$ 985.00	\$ 985.00
9.	Fire Hydrant, Complete with Gate Valve	6	EA	\$ 3,200.00	\$ 19,200.00
10.	Jack and Bore with 12" Steel Encasement Pipe	25	LF	\$ 113.00	\$ 2,825.00
11.	Jack and Bore with 10" Steel Encasement Pipe	70	LF	\$ 94.00	\$ 6,580.00
12.	Freebore for 8" Water Main	222	LF	\$ 37.00	\$ 8,214.00
13.	Open Cut with 12" Steel Encasement Pipe	96	LF	\$ 60.00	\$ 5,760.00
14.	Directional Bore with HDPE Encasement Pipe	1	LS	\$ 7,500.00	\$ 7,500.00
15.	Concrete Encasement	5	CY	\$ 145.00	\$ 725.00
16.	Extra Crushed Stone Bedding	50	TONS	\$ 17.50	\$ 875.00
17.	5/8" x 3/4" Meter Unit without PRV	19	EA	\$ 630.00	\$ 11,970.00
18.	3/4" PE Service Line	250	LF	\$ 6.00	\$ 1,500.00
19.	1" PE Service Line	320	LF	\$ 6.15	\$ 1,968.00



**WATER MAIN EXTENSION AND UPGRADES - PHASE 6  
BULLOCK PEN WATER DISTRICT**

F. People Cemetery

ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL AMOUNT
1.	6" PVC Water Main C-900 Class 150	1,900	LF	\$ 9.50	\$ 18,050.00
2.	6" MJ Gate Valve, Complete with Box and Cover	2	EA	\$ 675.00	\$ 1,350.00
3.	Fire Hydrant, Complete with Gate Valve	1	EA	\$ 3,200.00	\$ 3,200.00
4.	Jack and Bore with 10" Steel Encasement Pipe	30	LF	\$ 94.00	\$ 2,820.00
5.	5/8" x 3/4" Meter without PRV	3	EA	\$ 630.00	\$ 1,890.00
6.	3/4" PE Service Pipe	20	LF	\$ 6.00	\$ 120.00
7.	1" PE Service Pipe	700	LF	\$ 6.15	\$ 4,305.00

Subtotal F: – People Cemetery \$ 31,735.00  
(USE FIGURES)

G. Highway 25 – Crittenden

ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL AMOUNT
1.	12" PVC Water Main, Class 250	440	LF	\$ 20.75	\$ 9,130.00
2.	Connection to Existing Water Main (Dry Tap)	2	EA	\$ 1,500.00	\$ 3,000.00
3.	Connection to Fire Vault (Dry Tap)	1	EA	\$ 2,000.00	\$ 2,000.00
4.	Fire Hydrant, Complete with Gate Valve	1	EA	\$ 3,200.00	\$ 3,200.00
5.	Jack and Bore with 16" Steel Encasement Pipe	80	LF	\$ 142.00	\$ 11,360.00
6.	Control Valve Vault	2	EA	\$ 15,500.00	\$ 31,000.00
7.	Reconnect to Existing 2" Meter	1	EA	\$ 1,200.00	\$ 1,200.00

Subtotal G: Highway 25 Crittenden \$ 60,890.00  
(USE FIGURES)

**WATER MAIN EXTENSION AND UPGRADES - PHASE 6  
BULLOCK PEN WATER DISTRICT**

H. Highway 25 – Grant County

ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL AMOUNT
1.	12" PVC Water Main, Class 250	9,980	LF	\$ 20.75	\$ 207,085.00
2.	12" HDPE Pipe, DR 11	187	LF	\$ 36.00	\$ 6,732.00
3.	6" PVC Water Main, Class 250	40	EA	\$ 12.25	\$ 490.00
4.	Connection to Existing Water Main (Dry Taps)	10	EA	\$ 1,500.00	\$ 15,000.00
5.	12" MJ Gate Valve, Complete with Box and Cover	20	EA	\$ 2,150.00	\$ 43,000.00
6.	8" Gate Valve, Complete with Box and Cover	1	EA	\$ 1,020.00	\$ 1,020.00
7.	6" MJ Gate Valve, Complete with Box and Cover	2	EA	\$ 675.00	\$ 1,350.00
8.	Fire Hydrant, Complete with Gate Valve	6	EA	\$ 3,200.00	\$ 19,200.00
9.	Jack and Bore with 18" Steel Encasement Pipe (Railroad Bore)	172	LF	\$ 180.00	\$ 30,960.00
10.	Jack and Bore with 16" Steel Encasement" Pipe	75	LF	\$ 142.00	\$ 10,650.00
11.	Open Cut with 16" Steel Encasement Pipe	110	LF	\$ 66.00	\$ 7,260.00
12.	Freebore for 12" Water Main	60	LF	\$ 45.00	\$ 2,700.00
13.	Jack and Bore with 10" Steel Encasement Pipe	24	LF	\$ 94.00	\$ 2,256.00
14.	Concrete Replacement	138	LF	\$ 50.00	\$ 6,900.00
15.	Concrete Encasement	5	CY	\$ 145.00	\$ 725.00
16.	Extra Crushed Stone Bedding	50	TONS	\$ 17.50	\$ 875.00
17.	Reconnection of 2" Water Main	1	EA	\$ 1,200.00	\$ 1,200.00
18.	Replacement and Reconnect of ¾" x 5/8" meter	17	EA	\$ 455.00	\$ 7,735.00

Subtotal H: Highway 25 – Grant County

\$ 365,138.00

(USE FIGURES)

BID

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**WATER MAIN EXTENSION AND UPGRADES - PHASE 6  
BULLOCK PEN WATER DISTRICT**

I. Master Meter

ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL AMOUNT
1.	8" PVC Water Main C-900, Class 150	60	LF	\$ 10.90	\$ 654.00
2.	Connection to Existing 12" Water Main (Dry Tap)	1	EA	\$ 1,500.00	\$ 1,500.00
3.	Connection to Existing 8" Water Main (Wet Tap)	1	EA	\$ 3,100.00	\$ 3,100.00
4.	Master Meter	1	EA	\$ 25,000.00	\$ 25,000.00

Subtotal I – Master Meter: \$ 30,254.00  
(USE FIGURES)

J. Lunsford Road

ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL AMOUNT
1.	6" PVC Water Main C-900, Class 150	3,280	LF	\$ 9.50	\$ 31,160.00
2.	6" PVC Water Main C-900, Class 200	1,020	LF	\$ 10.25	\$ 10,455.00
3.	Connection to Existing Water Main (Wet Tap Performed by BPWD)	1	EA	\$ 2,250.00	\$ 2,250.00
4.	6" MJ Gate Valve, Complete with Box and Cover	3	EA	\$ 675.00	\$ 2,025.00
5.	Fire Hydrant, Complete with Gate Valve	3	EA	\$ 3,200.00	\$ 9,600.00
6.	Jack and Bore with 10" Steel Encasement Pipe	160	LF	\$ 94.00	\$ 15,040.00
7.	Freebore	36	LF	\$ 37.00	\$ 1,332.00
8.	PVC Encasement with Concrete	56	LF	\$ 48.00	\$ 2,688.00
9.	Relocate Existing Meter	2	EA	\$ 400.00	\$ 800.00
10.	5/8" x 3/4" Meter Unit without PRV	7	EA	\$ 630.00	\$ 4,410.00
11.	3/4" PE Service Line	80	LF	\$ 6.00	\$ 480.00



**WATER MAIN EXTENSION AND UPGRADES - PHASE 6  
BULLOCK PEN WATER DISTRICT**

12.	1" PE Service Line	60	LF	\$ 6.15	\$ 369.00
13.	1" PE Service Line Jacked Under Roadway	40	LF	\$ 18.90	\$ 756.00

Subtotal J: -- Lunsford Road: \$ 81,365.00  
(USE FIGURES)

**TOTAL PART I: BASE BID** \$ 1,558,843.70  
(USE FIGURES)

One Million Five Hundred Fifty Eight Thousand  
Eight Hundred Forty Three Dollars and  
Seventy Cents

(USE WORDS)

Part II. Alternate Bids

A. Alternate #1 – Carlisle Road (40 + 60 to Parkers Grove)

ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL AMOUNT
1.	8" PVC Water Main C-900, Class 150	540	LF	\$ 10.90	\$ 5,886.00
2.	8" PVC Water Main C-900, Class 200	5,120	LF	\$ 12.15	\$ 62,208.00
3.	8" HDPE Pipe DR 9	172	LF	\$ 17.50	\$ 3,010.00
4.	8" MJ Gate Valve, Complete with Box and Cover	4	EA	\$ 1,020.00	\$ 4,080.00
5.	8" MJ Gate Valve with Bypass Meter	2	EA	\$ 1,850.00	\$ 3,700.00
6.	Fire Hydrant, Complete with Gate Valve	3	EA	\$ 3,200.00	\$ 9,600.00
7.	Jack and Bore with 12" Steel Encasement Pipe	36	LF	\$ 113.00	\$ 4,068.00
8.	Freebore	16	LF	\$ 37.00	\$ 592.00
9.	Directional Bore with HDPE Encasement Pipe	1	LS	\$ 8,000.00	\$ 8,000.00
10.	5/8" x 3/4" Meter Unit with PRV	1	EA	\$ 1,000.00	\$ 1,000.00
11.	1" PE Service Line	60	LF	\$ 6.15	\$ 369.00
12.	1" PE Service Line, Jacked under Roadway	40	LF	\$ 18.90	\$ 756.00
13.	3" PVC Sleeve Jacked under Roadway	30	LF	\$ 35.00	\$ 1,050.00

Subtotal A: Carlisle Road \$ 104,319.00  
(USE FIGURES)

BID

**WATER MAIN EXTENSION AND UPGRADES - PHASE 6  
BULLOCK PEN WATER DISTRICT**

B. Alternate #2 – Paxton Road

ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL AMOUNT
1.	8" PVC Water Main C-900, Class 150	4,800	LF	\$ 10.90	\$ 52,320.00
2.	8" Water Main C-900, Class 200	680	LF	\$ 12.15	\$ 8,262.00
3.	8" MJ Gate Valve, Complete with Box and Cover	3	EA	\$ 1,020.00	\$ 3,060.00
4.	Air Relief Valve, Complete with Box and Cover	1	EA	\$ 985.00	\$ 985.00
5.	Fire Hydrant, Complete with Gate Valve	3	EA	\$ 3,200.00	\$ 9,600.00
6.	Jack and Bore with 12" Steel Encasement Pipe	25	LF	\$ 113.00	\$ 2,825.00
7.	Freebore	25	LF	\$ 37.00	\$ 925.00
8.	5/8" x 3/4" Meter Unit with PRV	1	EA	\$ 1,000.00	\$ 1,000.00
9.	3/4" PE Service Line	20	LF	\$ 6.00	\$ 120.00

Subtotal B: Paxton Road \$ 79,097.00  
USE FIGURES

C. Alternate #3 – Fishback Cemetery Road

ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL AMOUNT
1.	6" PVC Water Main C-900, Class 150	2,620	LF	\$ 9.50	\$ 24,890.00
2.	6" MJ Gate Valve, Complete with Box and Cover	2	EA	\$ 675.00	\$ 1,350.00
3.	Air Relief Valve, Complete with Box and Cover	1	EA	\$ 985.00	\$ 985.00
4.	Fire Hydrant, Complete with Gate Valve	2	EA	\$ 3,200.00	\$ 6,400.00
5.	5/8" x 3/4" Meter Unit without PRV	2	EA	\$ 630.00	\$ 1,260.00
6.	3/4" PE Service Line	40	LF	\$ 6.00	\$ 240.00

Subtotal C: Fishback Cemetery Road \$ 35,125.00  
USE FIGURES

**WATER MAIN EXTENSION AND UPGRADES - PHASE 6  
BULLOCK PEN WATER DISTRICT**

D. Alternate #4 – Bagby Road Changed to 12" Water Line

ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL AMOUNT
1.	12" PVC Water Main C-900, Class 150	11,580	LF	\$ 21.25	\$ 246,075.00
2.	12" PVC Water Main C-900, Class 200	1,660	LF	\$ 23.50	\$ 39,010.00
3.	12" DI Class 50	230	LF	\$ 38.00	\$ 8,740.00
4.	Connection to Existing Water Main (Dry Tap)	1	LF	\$ 1,500.00	\$ 1,500.00
5.	12" MJ Gate Valve, Complete with Box and Cover	16	EA	\$ 2,150.00	\$ 34,400.00
6.	Fire Hydrant, Complete with Gate Valve	5	EA	\$ 3,200.00	\$ 16,000.00
7.	Jack and Bore with 16" Steel Encasement Pipe	90	LF	\$ 142.00	\$ 12,780.00
8.	Freebore for 12" Water Main	219	LF	\$ 45.00	\$ 9,855.00
9.	12" PVC Encasement with Concrete Cap	14	LF	\$ 48.00	\$ 672.00
10.	Underground Prefabricated Pump Station	1	EA	\$ 120,000.00	\$ 120,000.00
11.	Concrete Encasement	5	CY	\$ 145.00	\$ 725.00
12.	Extra Crushed Stone Bedding	50	TONS	\$ 17.50	\$ 875.00
13.	5/8" x 3/4" Meter Unit without PRV	16	EA	\$ 630.00	\$ 10,080.00
14.	3/4" PE Service Line	180	LF	\$ 6.00	\$ 1,080.00
15.	1" PE Service Line	210	LF	\$ 6.15	\$ 1,291.50
16.	1" PE Service Line, Jacked under Road	175	LF	\$ 18.90	\$ 3,307.50

Subtotal D: Bagby 12" Water Line \$ 506,391.00  
USE FIGURES

E. Alternate #5 – Parkers Grove with 12" Water Line from Paxton Road to Bagby Road

ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL AMOUNT
1.	12" PVC Water Main C-900, Class 150	2,800	LF	\$ 21.25	\$ 59,500.00

**WATER MAIN EXTENSION AND UPGRADES - PHASE 6  
BULLOCK PEN WATER DISTRICT**

2.	12" PVC Water Main C-900, Class 200	3,260	LF	\$ 23.50	\$ 76,610.00
3.	12" HDPE Pipe DR 9.0	155	LF	\$ 40.00	\$ 6,200.00
4.	8" PVC Water Main C-900, Class 150	5,940	LF	\$ 10.90	\$ 64,746.00
5.	6" PVC Water Main C-900, Class 200	40	LF	\$ 8.75	\$ 350.00
6.	Connection to Existing Main (Wet Tap Performed by BPWD)	1	EA	\$ 5,300.00	\$ 5,300.00
7.	12" MJ Gate Valve, Complete with Box and Cover	4	EA	\$ 2,150.00	\$ 8,600.00
8.	8" MJ Gate Valve, Complete with Box and Cover	8	EA	\$ 1,020.00	\$ 8,160.00
9.	6" MJ Gate Valve, Complete with Box and Cover	1	EA	\$ 675.00	\$ 675.00
10.	12" MJ Gate Valve with Bypass Meter	2	EA	\$ 3,000.00	\$ 6,000.00
11.	Fire Hydrant, Complete with Gate Valve	8	EA	\$ 3,200.00	\$ 25,600.00
12.	Jack and Bore with 16" Steel Encasement Pipe	68	LF	\$ 142.00	\$ 9,656.00
13.	Jack and Bore with 12" Steel Encasement Pipe	115	LF	\$ 113.00	\$ 12,995.00
14.	Free Bore for 12" Water Line	54	LF	\$ 45.00	\$ 2,430.00
15.	Free Bore for 8" Water Line	103	LF	\$ 37.00	\$ 3,811.00
16.	PVC Encasement with Concrete Cap for 12" Water Line	28	LF	\$ 55.00	\$ 1,540.00
17.	PVC Encasement with Concrete Cap for 8" Water Line	14	LF	\$ 48.00	\$ 672.00
18.	Directional Bore with HDPE Encasement Pipe	1	LS	\$ 9,300.00	\$ 9,300.00
19.	Concrete Encasement	5	CY	\$ 145.00	\$ 725.00
20.	Extra Crushed Stone Bedding	50	TONS	\$ 17.50	\$ 875.00
21.	5/8" x 3/4" Meter Unit without PRV	12	EA	\$ 630.00	\$ 7,560.00

Final Engineering Report

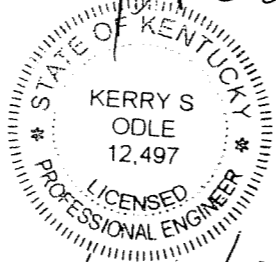
Water Main Extension And Upgrades, Phase 6

Bullock Pen Water District

By

CMW, Inc.  
400 E. Vine Street  
Suite 400  
Lexington, KY 40507

January, 2009

*Kerry S Odle*  
  
*1/26/09*

**Table of Contents:**

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2. Bid Tabulation
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7. As-Bid Project Cost and Funding
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**WATER MAIN EXTENSION AND UPGRADES - PHASE 6  
BULLOCK PEN WATER DISTRICT**

**ADVERTISEMENT FOR BIDS**

Bullock Pen Water District

Separate sealed BIDS for Water Line Extension and Upgrades, Phase 6, Grant County, Kenton and Boone Counties, will be received by the Owner at the office of Bullock Pen Water District, Crittenden, Kentucky, until 2:00 p.m. EST on Tuesday, January 13, 2009 and then publicly opened and read aloud.

Construction of base bid shall consist of approximately 10,420 LF of 12" PVC water line, 38,420 LF of 8" PVC water line, 15,060 LF of 6" PVC water line, 81 gate valves, 17 dry tap connections, 5 wet tap connections, 40 fire hydrants, 1,046 LF bores with steel encasement, 1,012 LF of freebore, one underground pump station, 2 directional bores, 3 gate valves with bypass meters, 80 meters, 3,413 LF of PE service line, 690 LF of 8" HD PE pipe, 2 control valve vaults, 206 LF of open cut with steel encasement and all necessary appurtenances.

Construction of alternate bid shall consists of approximately 11,140 LF of 8" PVC water line, 2,620 LF of 6" PVC water line, 172 LF of 8" HDPE water line, 9 gate valves, 2 gate valves with bypass meters, 8 fire hydrants, 2 air relief valves, 61 LF of bore with steel encasement, 41 LF of free bore, 1 directional bore, 4 meters, 190 LF of PE service piping and all necessary appurtenances.

The CONTRACT DOCUMENTS may be examined at the following locations:

CMW, Inc., 400 E. Vine Street, Suite 400, Lexington, KY  
Bullock Pen Water District, 1 Farrell Drive, Crittenden, KY  
Associated General Contractors/McCraw Hill/Dodge Plan Room, 950 Contract Street, Suite 100A, Lexington, KY  
Associated General Contractors/McCraw Hill Plan Room, 922 North Main Street, 2<sup>nd</sup> Floor, London, KY  
Allied Construction Industries, 1010 Yale Avenue, Cincinnati, OH  
Reed Construction Data/ABC Plan Room, 1812 Taylor Avenue, Louisville, KY  
Reed Construction Data/ABC Plan Room, 2020 Liberty Road, Suite 110, Lexington, KY  
F. W. Dodge Plan Room, Grant Baldwin Building, 655 Eden Park Road, Suite 515, Cincinnati, OH 45202

Copies of the CONTRACT DOCUMENTS may be obtained from Lynn Imaging, 328 Old East Vine Street, Lexington, KY 40507, phone 859\255-1021 upon the following non-refundable payment of \$75.00 for each set. Make checks payable to CMW, Inc.

If bidding documents are requested to be sent by mail, include an additional \$14.00 for each set to cover cost of handling and postage. This check shall be made payable to Lynn Imaging.

The Owner reserves the right to waive any informalities or to reject any or all bids.

Each bidder must deposit with his bid, security in the amount, form and subject to the conditions provided in the Information for Bidders.

No bidder may withdraw his bid within 90 days after the actual date of the opening thereof.

**WATER MAIN EXTENSION AND UPGRADES - PHASE 6  
BULLOCK PEN WATER DISTRICT**

Award will be made to the lowest responsive, responsible Bidder unless all bids are rejected.

Each bidder will make positive efforts to use small, minority, woman owned and disadvantaged businesses.

Each bidder must comply with Title VI of the Civil Rights Act of 1964, the Anti-Kickback Act, and Contract Work Hours Standard Act.

Each bidder must comply with the President's Executive Order No. 11246 as amended, which prohibits discrimination in employment regarding race, creed, color, sex or national origin.

Each bidder shall provide a Certification of Prior Work under Executive Order 11246 (Equal Employment Opportunity) as amended.

Each bidder and their subcontractors will comply with 41 CFR 60-4, in regard to Affirmative Action, to insure equal opportunity to females and minorities and will apply the time table and goal set forth in 41 CFR 60-4.

This contract is being funded in part with a Drinking Water State Revolving Fund loan.

December 24, 2008  
Date

BULLOCK PEN WATER DISTRICT  
CRITTENDEN, KENTUCKY

CMW, INC.  
400 E. VINE STREET  
SUITE 400  
LEXINGTON, KENTUCKY



WATER MAIN EXTENSION AND UPGRADES - PHASE 6  
BULLOCK PEN WATER DISTRICT

BID

WATER MAIN EXTENSION AND UPGRADES - PHASE 6  
GRANT, KENTON AND BOONE COUNTIES  
BULLOCK PEN WATER DISTRICT

Proposal of Walter Martin Excavating, Inc. (hereinafter called "BIDDER"), a corporation organized and existing under the laws of the State of Kentucky doing business as a Corporation \*.

To the Bullock Pen Water District (hereinafter called "OWNER").

In compliance with your Advertisement for Bids, BIDDER hereby proposes to perform all WORK for the construction of Water Main Extension and Upgrades - Phase 6 – Grant, Kenton and Boone Counties, in strict accordance with the CONTRACT DOCUMENTS, within the time set forth therein, and at the prices stated below.

By submission of this BID, the 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 and to fully complete the base bid within 230 consecutive calendar days for base bid, 20 consecutive days for Alternate #1, 15 consecutive calendar days for Alternate #2, 20 consecutive days for Alternate #3, 10 consecutive calendar days for Alternate #4, 25 additional consecutive days for Alternate #5, 10 additional consecutive days for Alternate #6, 5 additional consecutive days for Alternate #7, 2 additional consecutive days for Alternate #8, 5 additional consecutive days for Alternate #9 and 30 consecutive days for Alternate #10. BIDDER further agrees to pay as liquidated damages, the sum of \$300 for each consecutive calendar day thereafter as hereinafter provided in Section 15 of the General Conditions.

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

**WATER MAIN EXTENSION AND UPGRADES - PHASE 6  
BULLOCK PEN WATER DISTRICT**

Addendum Number One

Water Main Extension and Upgrades – Phase 6

For

Bullock Pen Water District  
Crittenden, Kentucky

January 8, 2009

Architect: CMW, Inc.  
400 East Vine  
Lexington, Kentucky 40507  
(859) 254-6623

**TO: ALL PLANHOLDERS OF RECORD**

This addendum, a form part of the Contract Documents and modifies the original Contract Documents dated July 2008 as noted below. Failure to note this addendum on the Bid Proposal Form may result in disqualification of the bid. This addendum consists of two pages.

**1. BIDDING & CONTRACT DOCUMENTS**

A. Section 00100 – Information for Bidders, page 3, paragraph 2, revise as follows  
“...within 200 consecutive calendar days...” to “...within 245 consecutive calendar days...”

B. Section 00400 – Bid.

1. Revise last paragraph on page 1 to read:

“Bidder hereby agrees to commence work under this contract on or before a date to be specified in the NOTICE TO PROCEED and to fully complete the base bid within 245 consecutive calendar days for base bid, 20 consecutive calendar days for Alternate #1, 20 consecutive calendar days for Alternate #2, 10 consecutive calendar days for Alternate #3, 25 consecutive calendar days for Alternate #4, 10 additional consecutive calendar days for Alternate #5, 5 additional consecutive calendar days for Alternate #6, 2 additional consecutive calendar days for Alternate #7, 5 additional consecutive calendar days for Alternate #8, and 30 additional consecutive calendar days for Alternate #9 and BIDDER further agrees to pay as liquidated damages, the sum of \$300 for each consecutive calendar day thereafter as hereinafter provided in Section 15 of the General Conditions.”

**WATER MAIN EXTENSION AND UPGRADES - PHASE 6  
BULLOCK PEN WATER DISTRICT**

2. On page 16, revise description of Item I to, "Alternate #9 – Sand Backfill on all Base Bid Water Lines Excluding Part G and H of Base Bid".
3. On page 16, revise "Subtotal J: Alternate #10 – Sand Backfill" to "Subtotal I. Alternate #9 – Sand Backfill".

**C. Section 02900 – Water Booster Pumping Station.**

1. On Section 4-C on page 3. Anodes shall be connected to test panel as shown on the plans.
2. On Section 11-2 on page 8. Pump on/off control will be by a telemetry system not included in this contract. There will be no tank level static sensing line.

**2. PLANS**

- A. Sheet 1.4 - 6 inch butterfly valves do not require a gear operator.

**End of Addendum Number One**

**WATER MAIN EXTENSION AND UPGRADES - PHASE 6  
BULLOCK PEN WATER DISTRICT**

BIDDER acknowledges receipt of the following ADDENDUM:

No. 1 Dated Jan. 8, 2009 No. \_\_\_\_\_ Dated \_\_\_\_\_

No. \_\_\_\_\_ Dated \_\_\_\_\_ No. \_\_\_\_\_ Dated \_\_\_\_\_

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

NOTE: (1) BIDS shall include sales tax and all other applicable taxes and fees.

(2) Breakdown of work is for general information. Any work shown on Drawings and/or specified but not listed below shall be included in total base bid. Cost of items of work not specifically described below may be added to related bid item(s) at bidder's discretion.

**BID SCHEDULE**

Part I. Base Bid

A. Bagby Road

ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL AMOUNT
1.	8" PVC Water Main, C-900 Class 150	11,580	LF	\$ 10.90	\$ 126,222.00
2.	8" PVC Water Main, C-900 Class 200	1,660	LF	\$ 12.15	\$ 20,169.00
3.	8" DI Class 50	230	LF	35.15	8,084.50
4.	Connection to Existing Water Main (Dry Tap)	1	EA	\$ 1,350.00	\$ 1,350.00
5.	8" MJ Gate Valve, Complete with Box and Cover	16	EA	\$ 1,020.00	\$ 16,320.00
6.	Fire Hydrant, Complete with Gate Valve	7	EA	\$ 3,200.00	\$ 22,400.00
7.	Jack and Bore with 12" Steel Encasement Pipe	90	LF	\$ 113.00	\$ 10,170.00
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9.	12 PVC Encasement w/ Concrete Cap	14	LF	\$ 48.00	\$ 672.00
10.	Underground Prefabricated Pump Station	1	EA	\$ 116,000.00	\$ 116,000.00