

**CRAWFORD & BAXTER, P.S.C.**

ATTORNEYS AT LAW  
523 Highland Avenue  
P.O. Box 353  
Carrollton, Kentucky 41008

James M. Crawford  
Ruth H. Baxter

Phone: (502) 732-6688  
1-800-442-8680  
Fax: (502) 732-6920  
Email: CBJ523@AOL.COM

May 10, 2013

Mr. Jeff Derouen, Executive Director  
Public Service Commission  
211 Sower Boulevard  
Frankfort, Kentucky 40601

RECEIVED

MAY 13 2013

PUBLIC SERVICE  
COMMISSION

RE: West Carroll Water District  
Case No. 2013-00041

Dear Mr. Derouen:

Please find enclosed the original and five (5) copies of "West Carroll Water District's Response to Commission Staff's Request for Information".

Please contact me at (502) 732-6688 or Terry Roach at (502) 732-7055 with any questions regarding this filing.

Sincerely,

CRAWFORD & BAXTER, P.S.C.



Ruth H. Baxter  
Counsel for West Carroll Water District

RHB/dmp

Enclosures

cc: Ms. Vickie Edwards, Chairperson, WCWD

RECEIVED

COMMONWEALTH OF KENTUCKY  
BEFORE THE PUBLIC SERVICE COMMISSION

MAY 13 2013  
PUBLIC SERVICE  
COMMISSION

In the Matter of:

APPLICATION OF WEST CARROLL WATER )  
DISTRICT FOR A CERTIFICATE OF )  
CONVENIENCE AND NECESSITY FOR THE )  
CONSTRUCTION OF WATER )  
INFRASTRUCTURE IMPROVEMENTS )

CASE NO.  
2003-00041

**WEST CARROLL WATER DISTRICT'S  
RESPONSES TO COMMISSION STAFF'S  
REQUEST FOR INFORMATION**

\*\* \*\* \* \* \* \* \*

Comes now the West Carroll Water District ("WCWD"), and for its Responses to the Commission Staff's Request for Information, states as follows:

1. Provide detailed engineering drawings of the proposed extensions. These drawings shall be stamped, signed, and dated by a Kentucky licensed professional engineer in accordance with KRS 322.340.

**RESPONSE:** Attached are six (6) copies of the stamped engineering plans in an 8½" x 11" format. West Carroll Water District filed the original stamped engineering plans on January 22, 2013, with the Petition for a Certificate of Convenience and Necessity in an 11" x 17" format on two sides, and an original stamped engineering plan (printing on only one side of the page) in an 11" x 17" format, on February 7, 2013.

**WITNESS:** Terry A. Roach, P.E., Carrollton Utilities, 225 Sixth Street, Carrollton, Kentucky 41008, Phone No. (502) 732-7055.

CRAWFORD & BAXTER, P.S.C.  
ATTORNEYS-AT-LAW  
CARROLLTON, KY

2. a.) State whether a request for bids has been published in accordance with KRS 424.260.

**RESPONSE:** Yes, Carrollton Utilities' request for bids was published in the April 24, 2013, edition of the News Democrat.

b.) If no, state when West Carroll Water District or Carrollton Utilities expects to publish the request for bids.

**RESPONSE:** Not applicable.

c.) If yes,

(1) State when the request was published and provide a copy of the notice.

**RESPONSE:** The request for bids was published on April 24, 2013, in the News Democrat, and a copy of the request is attached as Exhibit "A".

(2) State the deadline for submission of bids to West Carroll Water District or Carrollton Utilities.

**RESPONSE:** Bids are due on May 15, 2013.

**WITNESS:** Terry A. Roach, P.E. (address above).

3. State the period of time for which a submitted bid must remain effective.

**RESPONSE:** Potential contractors must keep their bids effective for 115 days.

**WITNESS:** Terry A. Roach, P.E., (address above).

4. State when West Carroll Water District or Carrollton Utilities anticipates awarding the contract.

**RESPONSE:** Carrollton Utilities anticipates awarding the contract by June 7, 2013.

**WITNESS:** Terry A. Roach, P.E., (address above).

5. If bids have been submitted, or when bids are submitted, provide:

a. Each submitted bid;

**RESPONSE:** A copy of all bids will be submitted to the PSC once the project is bid.

b. The tabulation or summary of submitted bids;

**RESPONSE:** The engineer will supply a bid tabulation of the bids once the project is bid.

c. The project engineer's recommendation regarding the submitted bids;

**RESPONSE:** The engineer will provide a recommendation once the project is bid, and the bids are reviewed for accuracy and compliance with specifications.

d. The minutes of the meeting in which West Carroll Water District's Board of Commissioners or Carrollton Utility Commission selected the winning bid.

**RESPONSE:** The Carrollton Utility Commission will select the winning bid once the project is bid and the bids have been reviewed. The West Carroll Water District will get a copy of the bids, bid tabulation and the memo to the Carrollton Utility Commission recommending award.

e. Provide a breakdown of the total cost of the project including, but not limited to, the administrative costs, construction cost, engineering fees, inspection fees, contingencies, and legal expenses.

**RESPONSE:** The total cost of the project as it is defined above will be provided to the PSC once the project is bid, and the cost to each utility involved in the project will be determined.

**WITNESS:** Terry A. Roach, P.E., (address above).

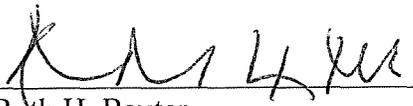
6. Refer to County Underserved Project Preliminary Engineering Report at 25. Using Table 10, state the number of households that each extension project will add to West Carroll Water District's system.

**RESPONSE:** Seventeen (17) potential new households will be added to West Carroll Water District's system. Table 10 has been revised to reflect the number of households the extension project will add to the West Carroll Water District's system. A copy of the revised Table is attached as Exhibit "B".

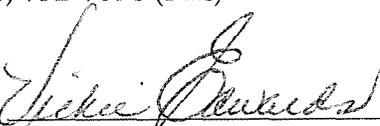
**WITNESS:** Terry A. Roach, P.E. (address above).

CRAWFORD & BAXTER, P.S.C.  
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523 Highland Avenue  
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Fax: (502) 732-6920  
Email: [cbjruthbaxter@aol.com](mailto:cbjruthbaxter@aol.com)

Attorneys for West Carroll Water District

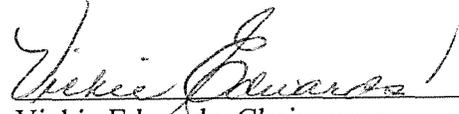
By:   
Ruth H. Baxter

WEST CARROLL WATER DISTRICT  
Post Office Box 54  
Carrollton, Kentucky 41008  
(502) 732-1216 (Direct Line)  
(502) 732-7055 (Main Line)  
(502) 732-7058 (Fax)

BY:   
Vickie Edwards, Chairperson

**VERIFICATION**

I, Vickie Edwards, Chairperson of the West Carroll Water District, state that the statements contained in this Response to Commission Staff's Request for Information are true to the best of my information and belief.

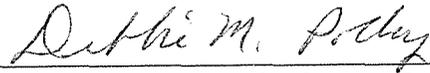
  
Vickie Edwards, Chairperson

STATE OF KENTUCKY)

COUNTY OF CARROLL)

Subscribed and sworn to before me by Vickie Edwards, Chairperson of the West Carroll Water District, on this the 9<sup>th</sup> day of May, 2013.

My commission expires: 10-13-2013

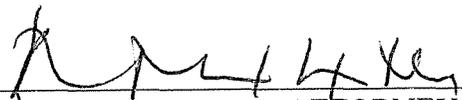
  
Notary Public, Kentucky State at Large

**CERTIFICATE OF SERVICE**

The undersigned counsel certifies that the foregoing responses have been served upon the following:

Original and Five Copies  
Mr. Jeff Derouen, Executive Director  
Kentucky Public Service Commission  
211 Sower Boulevard  
Frankfort, Kentucky 40601

This 10<sup>th</sup> day of May, 2013.

  
ATTORNEY FOR  
WEST CARROLL WATER DISTRICT

Being the same property conveyed to Brenda Kinman, single, from Herbert D. Kinman and Mary Catherine Kinman, husband and wife, by Deed dated July 17, 2007, of record in Deed Book 172, Page 696, in the Office of the Carroll County Court Clerk.

THERE IS NO MOBILE HOME, DOUBLEWIDE AND/OR MANUFACTURED HOME INCLUDED IN THIS SALE.

For further information, see the Final Judgment and Order of Sale and pleadings of record in the Office of the Circuit Court of Carroll County.

EDWARD M. BOURNE  
SPECIAL MASTER COMMISSIONER  
CARROLL CIRCUIT COURT

*NEWS*  
*4/24/13 DEMOCRAT*

SECTION 00100

ADVERTISEMENT TO BID

COUNTYWIDE UNDERSERVED PROJECT  
WATER DISTRIBUTION AND WATER TREATMENT  
PLANT UPGRADES  
CONTRACTS 1-2012 AND 2-2012

CARROLLTON UTILITIES

Carrollton Utilities will receive sealed Bids for its Countywide Underserved Project until 3:30 P.M., local time, May 15, 2013, at 225 Sixth Street, Carrollton, Kentucky 41008, at which time the Bids will be publicly opened and read aloud.

The Work includes the installation of approximately 38,890 linear feet of new water main extensions, and two pump stations (Contract 1-2012), and installation of a new pump and water softening system at the Carrollton Utilities Water Treatment Plant with associated appurtenances and controls (Contract 2-2012).

Bids are to be addressed to the Carrollton Utilities, 225 Sixth Street, Carrollton, KY 41088 and shall be marked "Sealed Bid-Countywide Underserved Project-Contracts 1-2012 and 2-2012."

Complete digital project bidding documents are available at [www.strand.com](http://www.strand.com), or at [www.questcdn.com](http://www.questcdn.com). Download the digital plan documents for \$30 by inputting Quest project number 2637271 on the website's Project Search page. Please contact QuestCDN.com at (952) 233 1632 or [info@questcdn.com](mailto:info@questcdn.com) for assistance in free membership registration, downloading, and working with this digital project information.

Bidding Documents may be reviewed and paper copies may be obtained from the Issuing Office which is Strand Associates, Inc.®, 325 West Main Street, Suite 710, Louisville, Kentucky 40202, (502) 583 7020. A nonrefundable fee of \$100 will be required (shipping and handling fees included). Overnight mailing of Bidding Documents will not be provided.

All Bidders submitting a sealed Bid shall obtain the Bidding Documents from QuestCDN.com or from Strand Associates, Inc.®

Bidders who submit a Bid must be a Plan Holder of record at the Issuing Office. Bids from Bidders who are not on the Plan Holders List may be returned as not being responsive.

The Bid must be accompanied by Bid security made payable to OWNER in an amount of 5% of the Bidder's maximum Bid price.

Plan Holders are requested to provide an e mail address if they wish to receive addenda and other information electronically. Plan Holders are requested to designate whether they are a prime contractor, subcontractor, or supplier if they want this information posted on the project Plan Holders List.

Bidders shall comply with all provisions of KRS Chapter 337 with respect to labor wage rates and with Federal Davis Bacon Wage Rates. Not less than the higher

prevailing hourly rate of wages shall be paid for Work under the Contract.

Carrollton Utilities reserves the right to reject any or all Bids, to waive any technicality, and to accept any Bid which it deems advantageous. All Bids shall remain subject to acceptance for 115 days after the time set for receiving Bids.

Contract award shall be made based on the lowest responsive and responsible Bid.

This Bid is subject to Kentucky Revised Statutes Section 45A.490 through 45A.494, which in general provides that a "resident bidder" of Kentucky is to be given a bidding preference over a "nonresident bidder" who is registered in a state that gives preference to its in state resident bidders over a Kentucky resident bidder. The bidding preference is to be the same as that stipulated for the state of the "nonresident bidder". If the state of a "nonresident bidder" provides no specific preference then "resident" and "nonresident bidders" are to be treated the same when evaluating Bids.

All Bidders must comply with all Federal, State, and local Equal Employment Opportunity laws and regulations which prohibit discrimination in employment regarding race, creed, color, sex, or national origin.

All taxes are the responsibility of the successful Bidder unless specifically exempted in the Bidding Documents.

Bidder's attention is called to the fact that any Contract awarded under this Advertisement to Bid is expected to be funded in part by a loan from the Kentucky Infrastructure Authority (KIA) State Revolving Fund (SRF). The Bidder shall comply with the Supplemental General Conditions of the Clean Water State Revolving Fund and the Drinking Water State Revolving Fund (Water and Wastewater).

Bidders shall comply with 40 CFR 31.36 which includes but is not limited to the following: (1) the President's Executive Order 11246 (Equal Employment Opportunity) as amended, which prohibits discrimination in employment regarding race, creed, color, sex, or national origin, (2) Title VI of the Civil Rights Act of 1964, (3) the Anti Kickback Act, and (4) the Contract Work Hours Standards Act.

CONTRACTOR and its Subcontractors shall comply with 41 CFR 60 4, in regard to affirmative action, to ensure equal opportunity to females and minorities and will apply the timetables and goals set forth in 41 CFR 60 4, if applicable to the area of the Project. Bidder shall make positive efforts to use small, minority, women owned, and disadvantaged businesses.

The Strand Associates, Inc.® project manager is Chris Keil, P.E. and can be contacted at Strand Associates, Inc.®, 325 West Main Street, Suite 710, Louisville, Kentucky 40202, (502) 583 7020 regarding the project.

Published by the authority of the Carrollton Utilities  
Bill Osborne, General Manager

Dated at Carrollton Utilities, Kentucky  
April 24, 2013

**AUCTION**  
Saturday, April 27, 2013, 10 a.m. EDT

WATCH  
FOR SIGNS

Peaceful  
Farms

260 Peaceful Road, Gallatin County, KY

TRACTOR, FARM EQUIPMENT,  
BOAT & HOUSEHOLD

Directions: From I-71 exit 55, take Hwy 1039 north approximately 2/10 of a mile. Go left on Gould Rd to Chapel Hill Rd, turn right on Hwy 184 then left on Furnish Rd. Take right onto Peaceful Rd to sale site. Watch for signs.

FARM EQUIPMENT: INT 856 tractor w/ cab turbo charger, JD 435 round baler, NI531 pto manure spreader, 331 NH pto manure spreader, 7' cult packer, 12' hyd. Disc, homemade 3pth pto wood splitter, set of 18-4-38 tires and rims duals, INT wheel weighs, air compressor, scraper blade, Hi Jacker hayfork, hyd. Scraper blade, Apache creep feeder, 14' hyd. Dump trailer w/ sides, pull type cattle trailer, American farmland creep feeder, hay spears, Delta Saw, Kuhn 4 basket tetter, JD dolly wheel rake, JD 2-14 plows, NH 275 Hayline baler, gravity wagon, 3 phase 5hp motor, other misc. items

BOAT: 1963 Cutter boat w/ 40 hp Evinrude motor and trailer

HOUSEHOLD ITEMS: Table china cabinet w/ 4 chairs, china dishware, Kenmore deep freeze, Maytag washer and dryer, kitchenware, couch and love seat, lamps, end tables, coffee tables, 3 pc. bdrm suite, 4 pc bdrm suite, other misc. items.

Auctioneer's note: All items sold "As Is" and must be paid in full day of sale. Cash or check w/ proper ID. Debit or credit accepted with additional surcharge. Lunch and rest-rooms available. Not responsible for accidents. NO BUYERS PREMIUM!

**Timberlake Auction Service, LLC**  
(502) 222-0096

1572 Old Jericho Rd., LaGrange, KY 40031 • (502) 222-0096  
Auctioneers: Ricky Timberlake, LLC #P0121; KY LIC #AUD104532(IN)  
Apprentice Auctioneers: William R. Coomes & Chris Link  
NOT RESPONSIBLE FOR ACCIDENTS  
[www.auctionzip.com/17278](http://www.auctionzip.com/17278)



Attract Buyers,  
Sellers, Employees,  
Customers and  
Many, Many More  
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Paper for Details

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Call to schedule  
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**Frankfort**  
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dishonorable discharge from the military. The successful applicant must attend a two-week training course in Richmond at the Kentucky Department of Criminal Justice training academy.

The position pays \$9.50 per hour and the successful applicant will work approximately 20 hours per week at the Carroll County Hall of Justice. Applications will be accepted April 19, 2013 through May 3, 2013 at the Carroll County Sheriff's Office, 440 Main Street, Carrollton. The office is open from 8:30 a.m. to 4:30 p.m. Monday-Friday.

### PART TIME POSITION CARROLLTON UTILITIES

is accepting applications for a part time position of approximately 20 hours per week to perform meter reading and other service work. Candidate should have ability to read meters in an accurately and timely manner and ability to perform moderately strenuous work for extended periods of time, often under adverse weather conditions. The successful applicant must possess and maintain a valid driver's license and complete a pre-employment drug screen in accordance with U.S. Department of Transportation regulations and a background check. Applications for employment are available at the office of Carrollton Utilities, 225 Sixth Street, Carrollton KY, Monday through Friday from 8:00 A.M. until 4:30 P.M. Position open until filled. Carrollton Utilities is an equal opportunity employer.

### Home Care

#### JOIN ONE OF THE FASTEST GROWING TEAMS IN HOME HEALTHCARE!

At Gentiva you'll discover just how rewarding a position in home healthcare can be. Due to explosive growth, we are currently seeking outstanding, compassionate and caring candidates to fill the following per diem positions:

Physical Therapist  
Speech Language Pathologist

If you're an experienced clinician looking to make a difference, then we should talk.

with your VA loan.  
Prequalify by  
phone,  
(502) 933-2066

### 120 Apartments For Rent

**APARTMENTS FOR RENT**  
416 6th St.  
1st floor 1 bedroom.  
Utilities not includ, Laundry room, 6 mos lease.  
\$400/\$400  
2nd floor w/off street parking, 1 bedroom, 6 mos lease \$350/\$350  
502-802-5169

### 125 Real Estate Rentals

**ROOM FOR RENT**  
Newly remodeled,  
under new  
management.  
502-525-9747

2 BEDROOM - 1 bath in  
Ghent, only \$395 a  
month.  
Call (502) 732-1238.

3 BEDROOM, 2 BATH  
farm house, deposit, refer-  
ences required, \$600  
month, utilities not  
included, 502-221-1427.  
Bedford area.

### M's A Home, LLC Of Carrollton

1 Bedroom Apts.  
Starting at \$135/wk.

Efficiencies  
Starting at \$110/wk.  
Includes utilities.

3BR, 1 Bath Duplex  
\$650/mo. appliances incl.  
Adam McNeese, Manager  
502-682-8368

### FOR RENT

4BR, 2 bath, walkout  
basement, secluded off  
Locust Rd. References.

home with large yard.  
Pet restrictions. \$900/  
month. Call 502-732-  
0282 after 3 p.m.

### 127 Resorts, Vacations

**SMOKEY MOUNTAIN  
VACATION** Cabins in  
Pigeon Forge, TN near  
Dollywood. \$75/\$85  
n i g h t l y  
[www.pantherknob.com](http://www.pantherknob.com)  
1-800-382-4393.

### 130 Real Estate Sales

39 GREENBRIAR RD.,  
Milton, Ky. 3 bedroom, 1  
bath. (502) 268-3100.

### For Sale or Lease:

Fully furnished, 2 BR, 1 bath  
home, full basement, nice  
back porch with deck, out  
building, 912 9th Street,  
Carrollton. 502-525-2166

### REAL ESTATE FOR SALE

#### COMMERCIAL

Income producing  
Commercial building in  
Bedford, KY. 8600 square  
feet, formerly a grocery but  
numerous opportunities.  
in the 6,000 square foot  
grocery. Currently has 3  
apartments, 2 offices and a  
laundry mat. Functioning  
equipment stays with the  
store. \$200,000.00

#### RESIDENTIAL

Brick Home in Milton, KY.  
1100 square foot home  
with basement. 3 bed-  
rooms, 1.5 bath situated  
on 50 acres. Fresh paint  
and carpet. Attached 2 car  
garage, paved driveway  
and horse barn with stalls  
and pond.

1.5 story 2 bedroom and  
1 bath home situated on  
2.98 acres in Bedford,  
KY. Has a 1536 square foot

SECTION 00100

### ADVERTISEMENT TO BID

### COUNTYWIDE UNDERSERVED PROJECT ION EXCHANGE SOFTENING EQUIPMENT PROCUREMENT

CONTRACT 3-2012  
CARROLLTON UTILITIES

Carrollton Utilities, hereinafter referred to as BUYER, will receive sealed Bids for Countywide Underserved Project Procurement until 3:30 p.m., local time, May 15, 2013, at 225 Sixth Street, Carrollton, Kentucky 41008, at which time the Bids will be publicly opened and read aloud.

The Work includes the supply of ion exchange softening equipment. Equipment includes three ion softening vessels, two brine tanks, two brine feed pumps, piping and appurtenances.

Bids are to be addressed to the Carrollton Utilities, 225 Sixth Street, Carrollton, KY 41088 and shall be marked "Sealed Bid-Countywide Underserved Project-Contract 3-2012."

Complete digital project bidding documents are available at [www.strand.com](http://www.strand.com) or at [www.questcdn.com](http://www.questcdn.com). Download the digital plan documents for \$30 by inputting Quest project number 2637383 on the website's Project Search page. Please contact QuestCDN.com at (952) 233 1632 or [info@questcdn.com](mailto:info@questcdn.com) for assistance in free membership registration, downloading, and working with this digital project information.

Bidding Documents may be reviewed and paper copies may be obtained from the Issuing Office which is Strand Associates, Inc.®, 325 West Main Street, Suite 710, Louisville, KY 40202. A nonrefundable fee of \$100 will be required (shipping and handling fees included). Overnight mailing of Bidding Documents will

not be provided.

All Bidders submitting a sealed Bid shall obtain the Bidding Documents from QuestCDN.com or from Strand Associates, Inc.®

Bidders who submit a Bid must be a Plan Holder of record at the Issuing Office. Bids from Bidders who are not on the Plan Holders List may be returned as not being responsive.

The Bid must be accompanied by Bid security made payable to OWNER in an amount of 5% of the Bidder's maximum Bid price.

Plan Holders are requested to provide an e mail address if they wish to receive addenda and other information electronically. Plan Holders are requested to designate whether they are a prime contractor, subcontractor, or supplier if they want this information posted on the project Plan Holders List.

Carrollton Utilities reserves the right to reject any or all Bids, to waive any technicality, and to accept any Bid which it deems advantageous. All Bids shall remain subject to acceptance for 115 days after the time set for receiving Bids.

Contract award shall be made based on the lowest responsive and responsible Bidder.

The Strand Associates, Inc.® project manager is Christopher Keil, P.E. and can be contacted at Strand Associates, Inc.®, 325 West Main Street, Suite 710, Louisville, KY 40202, (502) 583-7020 regarding the project.

Published by the authority of the Carrollton Utilities  
Bill Osborne, General Manager

Dated at Carrollton Utilities, Kentucky  
April 24, 2013

COMMONWEALTH OF KENTUCKY  
UNIFIED COURT OF JUSTICE  
CARROLL CIRCUIT COURT  
Civil Action No. 13-CI-00013

THE FIRST NATIONAL BANK OF CARROLLTON  
PLAINTIFF  
VS.  
BURNARD A. TERRELL  
JENNIFER M. TERRELL  
CACH, LLC  
CARROLL COUNTY, KENTUCKY  
CITY OF WORTHVILLE, KENTUCKY  
UNKNOWN TENANTS OF 30 NORTH CEMETERY  
LANE  
MICHAEL SKAGGS  
SANTANA SMITH  
DEFENDANTS

laheous Book 2, Page 94, in the Office of the Carroll County Court Clerk.

The amount of money to be raised by this sale is the principal sum of SEVENTY-SIX THOUSAND ONE HUNDRED THIRTY-FOUR DOLLARS AND THIRTY-ONE CENTS (\$76,134.31), together with accrued interest thereon to January 7, 2013, in the amount of \$2,997.92, and interest thereafter at the rate of \$14.2752 per day until Judgment, late fees of \$66.52, and interest thereafter at the rate of 12% per annum until the entire amount has been paid in full; and together with reasonable attorneys' fees and court costs.

The real estate shall be sold on the terms of 10% cash at the time of the sale, except that said deposit shall be waived if the Plaintiff The First National Bank of Carrollton is the successful bidder at the sale, and the balance on a credit of thirty (30) days bearing in-

4129119  
News Democrat

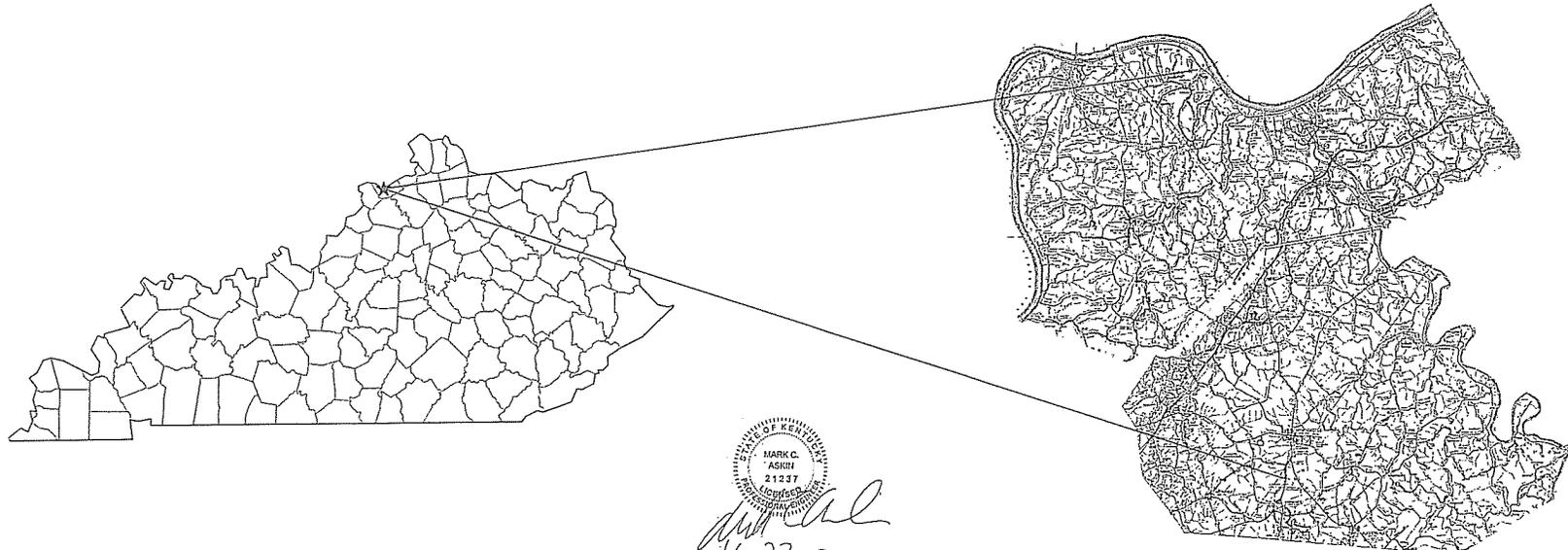
Name	Main Size/Road	Supply Main Size/Road	Supply Tank and Overflow Elevation	Supply Pump	High Ground Elevation (feet)	Minimum Pressure* (psi)	Potential # of new homes
A	3-inch water main Painter's Ridge Road	3-inch water main Wrights Ridge Road	Bells Ridge Tank 1,075 feet	N/A	875	38	2
B	3-inch water main RD Kendall Road	3-inch water main RD Kendall Road	Bells Ridge Tank 1,075 feet	N/A	890	48	4
C	3-inch water main Miller's Branch	3-inch water main Miller's Branch	Bells Ridge Tank 1,075 feet	N/A	590	200	3
D	3-inch water main Hardy Creek	3-inch water main Hardy Creek	Bells Ridge Tank 1,075 feet	N/A	570	172	2
E	6-inch water main US 42/KY 36/Kings Ridge Rd	6-inch water main US 42/KY 36	General Butler Tank 721 feet	Proposed Kings Ridge Pump Station	815	50	0
F	3-inch water main Mound Hill Road	6-inch water main Mound Hill Road	Mound Hill Tank 999 feet	N/A	880	43	2
G	4-inch water main Gilgal Road	3-inch water main Giilgal Road	CU MM-73 psi min. at tie-in location or 688 feet	Proposed Gilgal Road PS	850	60	0
H	3-inch water main Nora Lane	3-inch water main English Road	Gilgal Tank 976 feet	N/A	880	30	4

\* Minimum Pressure calculations based on tank down 10 feet and peak demand headloss.

RECEIVED

MAY 13 2013  
PUBLIC SERVICE  
COMMISSION

# COUNTYWIDE UNDERSERVED PROJECT WATER DISTRIBUTION UPGRADES FOR THE CARROLLTON UTILITIES & WEST CARROLL WATER DISTRICT CARROLL, HENRY, & TRIMBLE COUNTIES KENTUCKY NOVEMBER 2012



*Mark C. Ashri*  
4-23-2013

325 WEST MAIN STREET, SUITE 710  
LOUISVILLE, KY 40202  
502-583-7020  
502-583-7026 FAX  
WWW.STRAND.COM

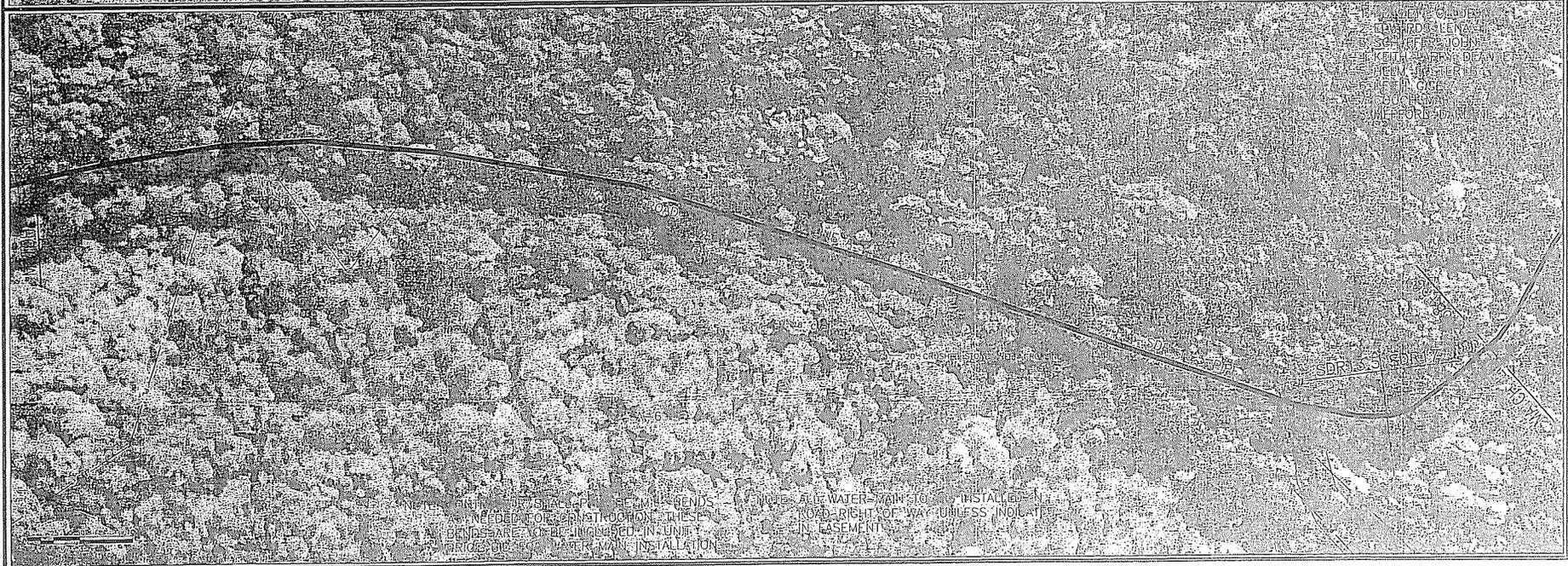
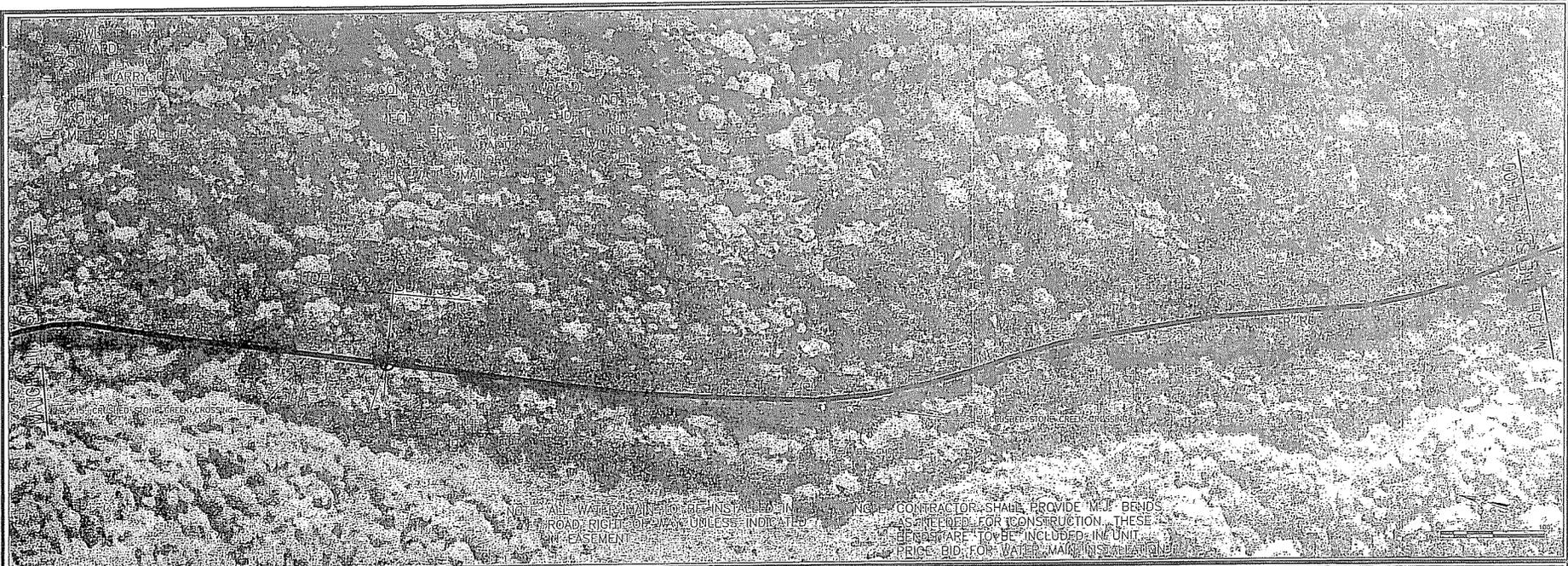


CONTRACT 1-2012

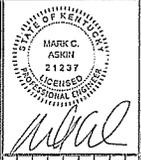
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NOTE: ALL WATER MAINS TO BE INSTALLED IN ROAD RIGHT-OF-WAY UNLESS INDICATED OTHERWISE IN EASEMENT. CONTRACTOR SHALL PROVIDE M.I. BENDS AS NEEDED FOR CONSTRUCTION. THESE BENDS ARE TO BE INCLUDED IN UNIT PRICE BID FOR WATER MAIN INSTALLATION.



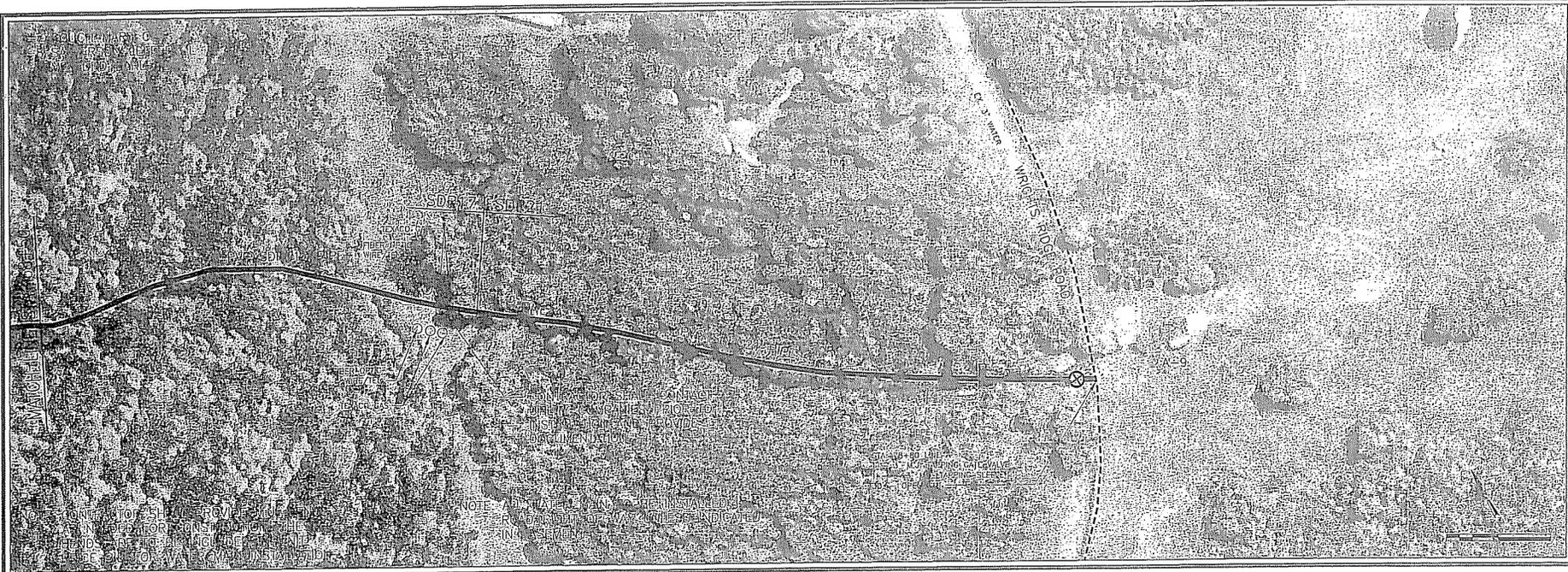
NO.	REVISIONS	DATE

**LINE A**  
**PAINTER'S RIDGE WATERLINE EXTENSION**  
 COUNTYWIDE UNDERSERVED PROJECT  
 CARROLLTON UTILITIES & WEST CARROLL WATER DISTRICT  
 CARROLL, HENRY, & TRIMBLE COUNTIES KENTUCKY

JOB NO.  
5104.003  
 PROJECT MGR.  
CJK



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		DATE:		REVISIONS	
<b>LINE A</b> <b>PAINTER'S RIDGE WATERLINE EXTENSION</b>					
COUNTYWIDE UNDERSERVED PROJECT CARROLLTON UTILITIES & WEST CARROLL WATER DISTRICT CARROLL, HENRY, & TRIMBLE COUNTIES KENTUCKY					
JOB NO. 5104.003					
PROJECT MGR. CJK					
<b>STRAND</b> ASSOCIATES®					
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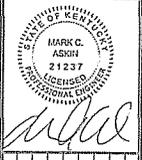
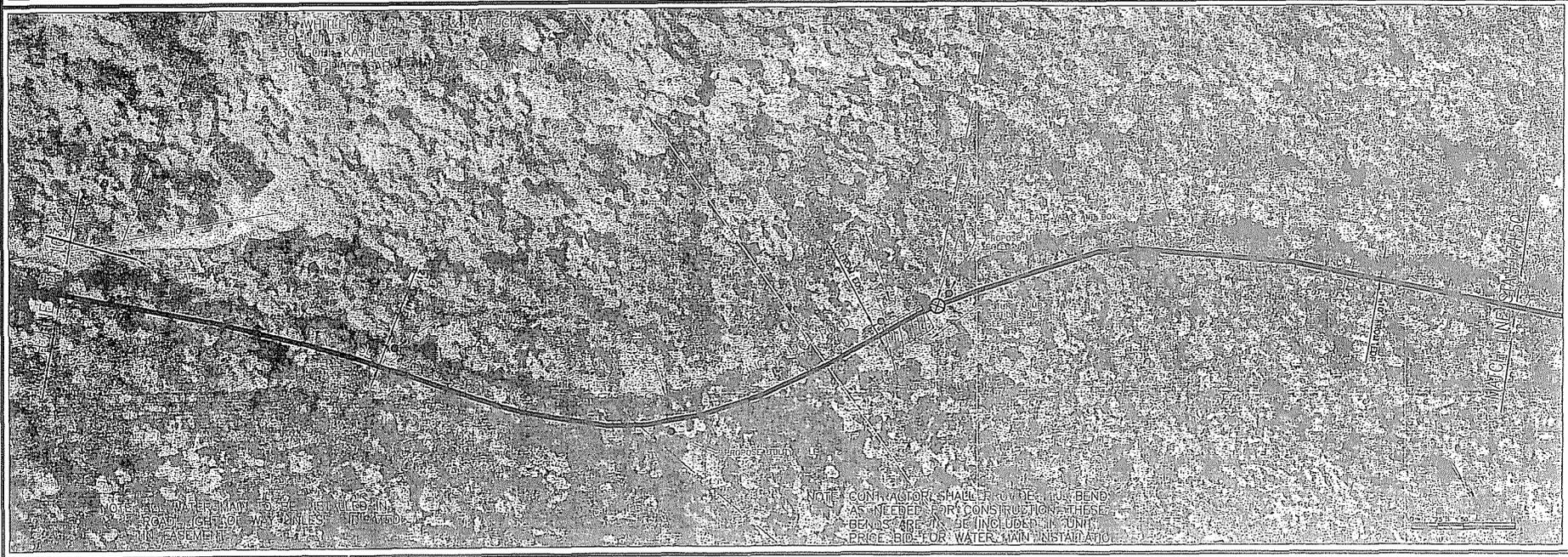
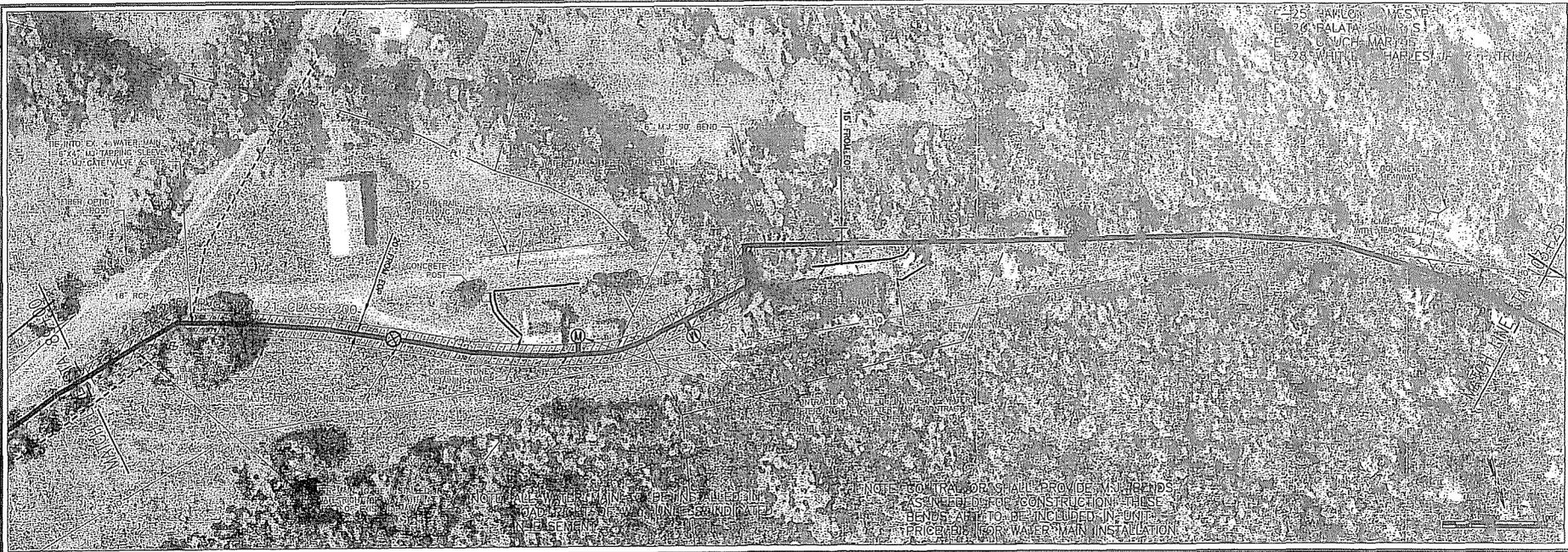












NO.	REVISIONS	DATE

**LINE E**  
**US 42/KINGS RIDGE RD WATERMAIN EXTENSION**  
 COUNTYWIDE UNDERSERVED PROJECT  
 CARROLLTON UTILITIES & WEST CARROLL WATER DISTRICT  
 CARROLL, HENRY, & TRIMBLE COUNTIES KENTUCKY

JOB NO.  
 5104.003  
 PROJECT MGR.  
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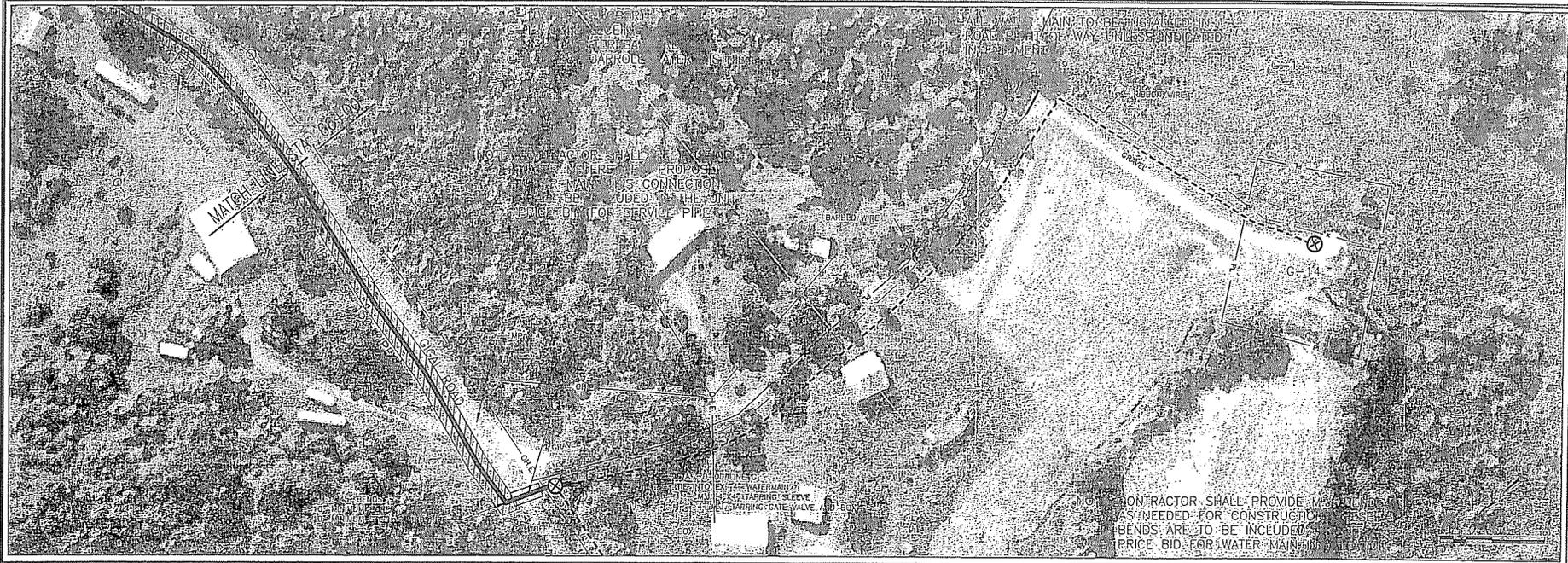
NOTE: CONTRACTOR SHALL PROVIDE ALL FITTINGS AS NEEDED FOR CONSTRUCTION. THESE FITTINGS ARE TO BE INCLUDED IN UNIT PRICE BID FOR WATER MAIN INSTALLATION.

NOTE: CONTRACTOR SHALL PROVIDE ALL FITTINGS AS NEEDED FOR CONSTRUCTION. THESE FITTINGS ARE TO BE INCLUDED IN UNIT PRICE BID FOR WATER MAIN INSTALLATION.









*Mark C. Ashkin*

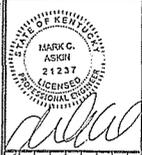
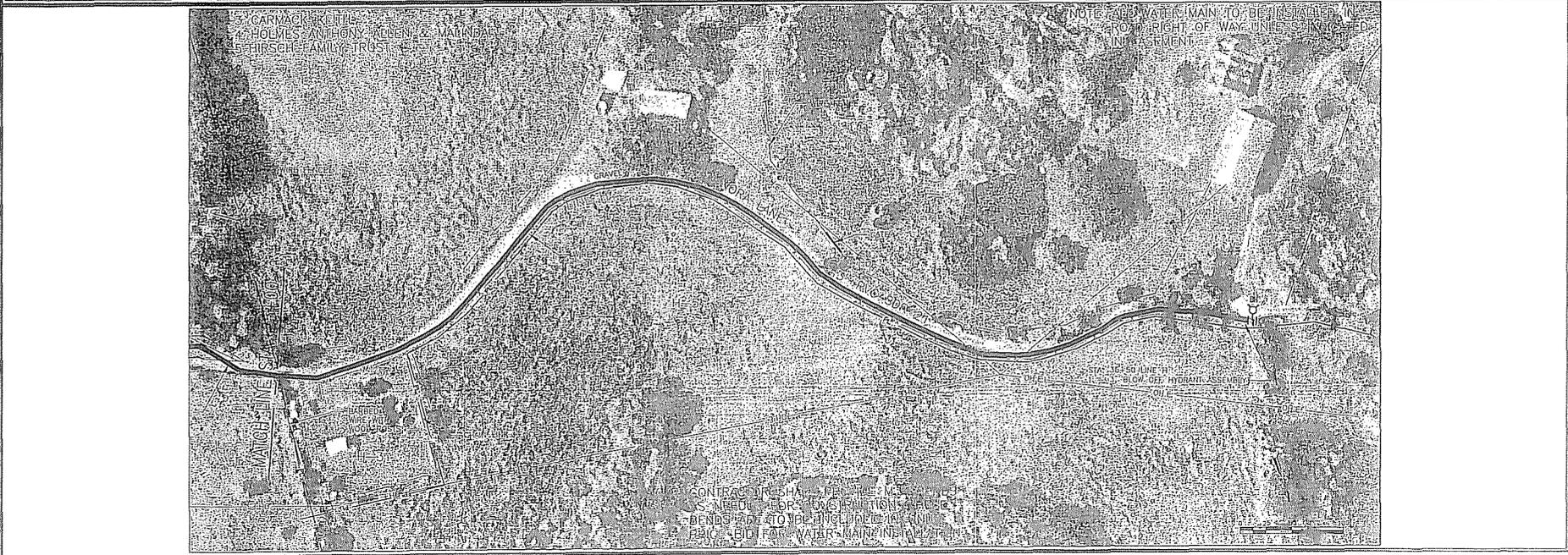
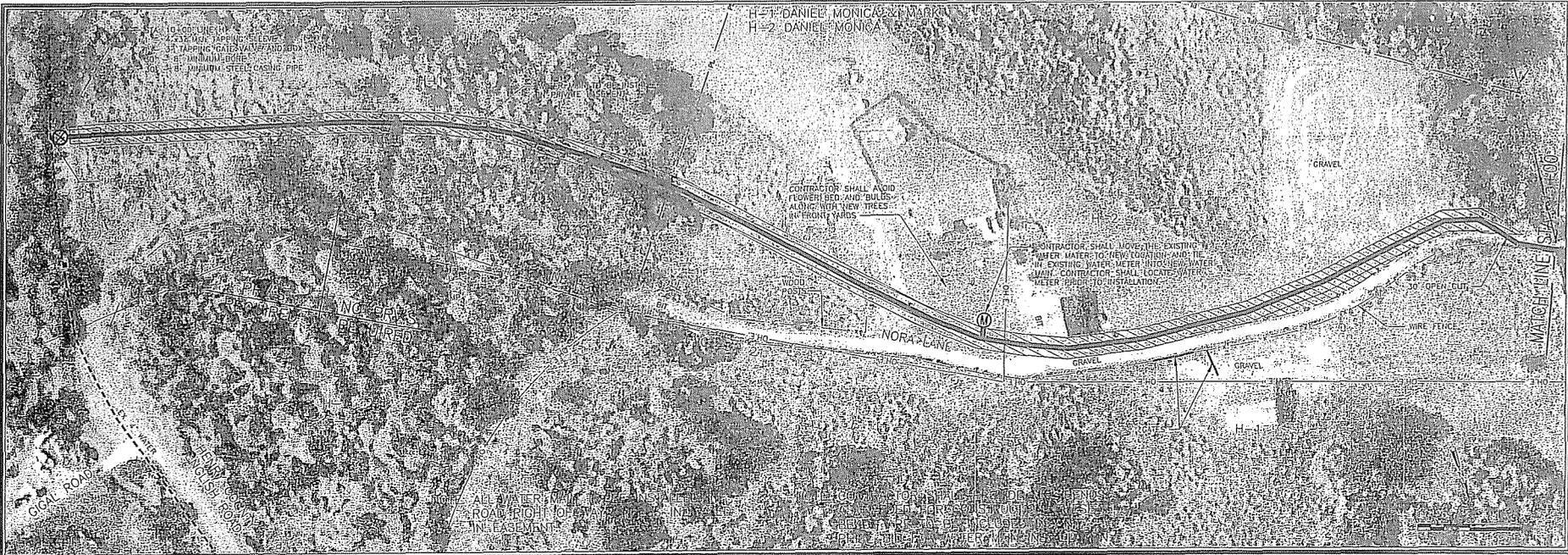
DATE	
REVISIONS	
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**LINE G  
GILGAL BOOSTER STATION**  
 COUNTYWIDE UNDERSERVED PROJECT  
 CARROLLTON UTILITIES & WEST CARROLL WATER DISTRICT  
 CARROLL, HENRY, & TRUMBULL COUNTIES KENTUCKY

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**LINE H**  
**NORA LANE WATERLINE EXTENSION**

COUNTYWIDE UNDERSERVED PROJECT  
 CARROLLTON UTILITIES & WEST CARROLL WATER DISTRICT  
 CARROLL, HENRY, & TRIMBLE COUNTIES KENTUCKY

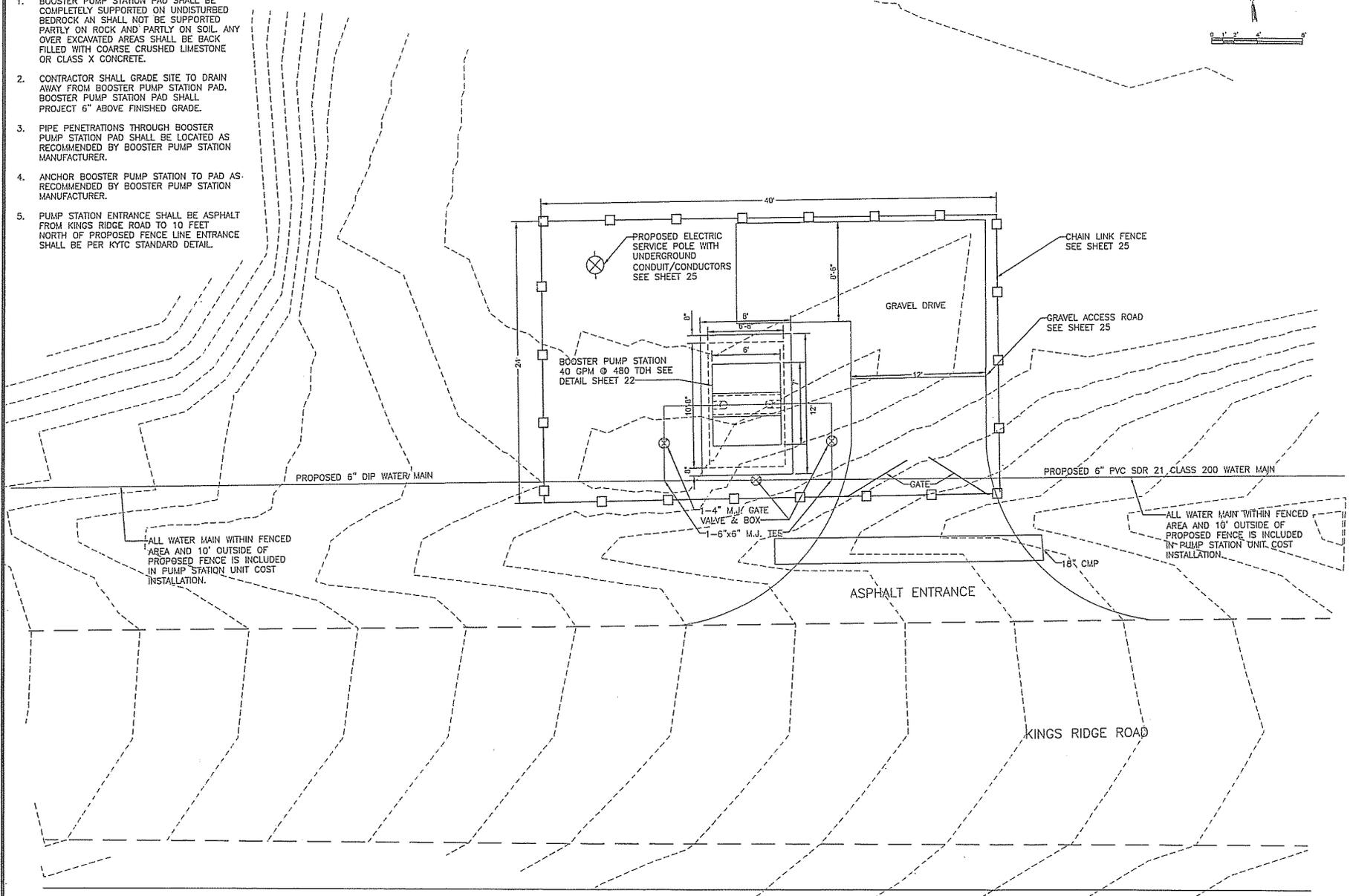
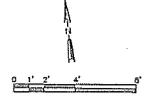
JOB NO.  
 5104.003  
 PROJECT MGR.  
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NOTES:

1. BOOSTER PUMP STATION PAD SHALL BE COMPLETELY SUPPORTED ON UNDISTURBED BEDROCK AND SHALL NOT BE SUPPORTED PARTLY ON ROCK AND PARTLY ON SOIL. ANY OVER EXCAVATED AREAS SHALL BE BACK FILLED WITH COARSE CRUSHED LIMESTONE OR CLASS X CONCRETE.
2. CONTRACTOR SHALL GRADE SITE TO DRAIN AWAY FROM BOOSTER PUMP STATION PAD. BOOSTER PUMP STATION PAD SHALL PROJECT 6" ABOVE FINISHED GRADE.
3. PIPE PENETRATIONS THROUGH BOOSTER PUMP STATION PAD SHALL BE LOCATED AS RECOMMENDED BY BOOSTER PUMP STATION MANUFACTURER.
4. ANCHOR BOOSTER PUMP STATION TO PAD AS RECOMMENDED BY BOOSTER PUMP STATION MANUFACTURER.
5. PUMP STATION ENTRANCE SHALL BE ASPHALT FROM KINGS RIDGE ROAD TO 10 FEET NORTH OF PROPOSED FENCE LINE ENTRANCE SHALL BE PER KYTC STANDARD DETAIL.



*Mark C. Ashby*

DATE	
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**SITE PLAN**  
**KING RIDGE ROAD BOOSTER PUMP STATION**  
 COUNTYWIDE UNDERSERVED PROJECT  
 CARROLLTON UTILITIES & WEST CARROLL WATER DISTRICT  
 CARROLL, HENRY, & TRIMBLE COUNTIES KENTUCKY

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*Mark C. Askin*

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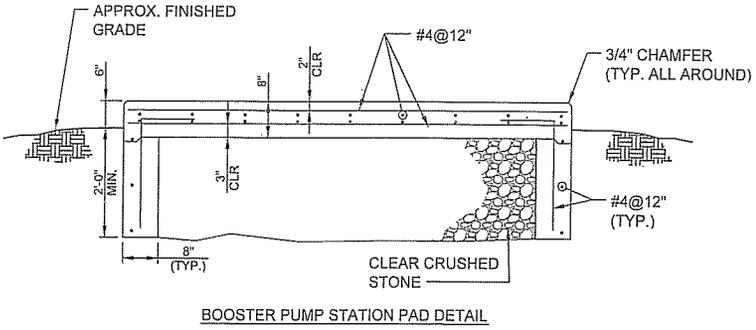
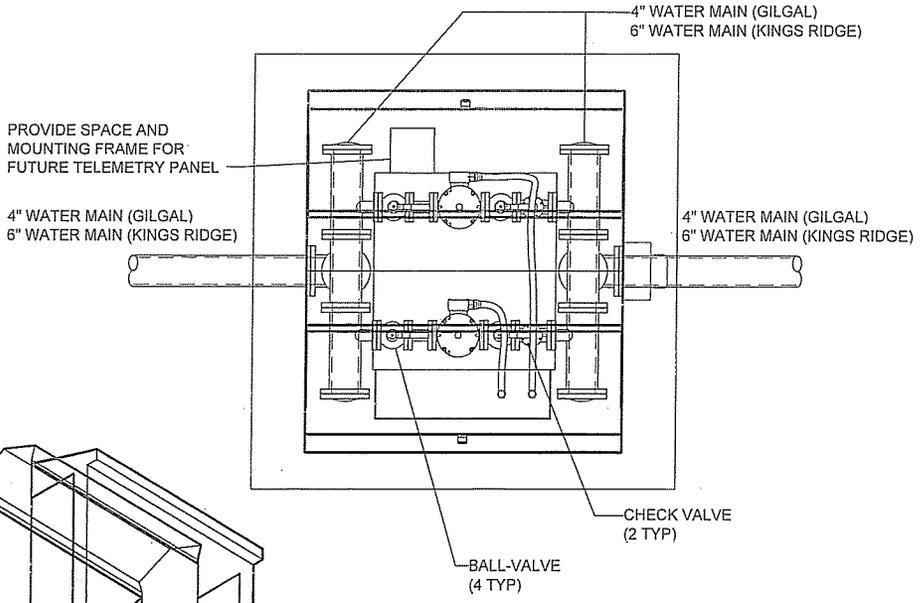
**PUMP STATION DETAILS**  
**GILGAL ROAD AND KINGS RIDGE ROAD BOOSTER PUMP STATION**  
 COUNTYWIDE UNDERSERVED PROJECT  
 CARROLLTON UTILITIES & WEST CARROLL WATER DISTRICT  
 CARROLL, HENRY, & TRIMBLE COUNTIES KENTUCKY

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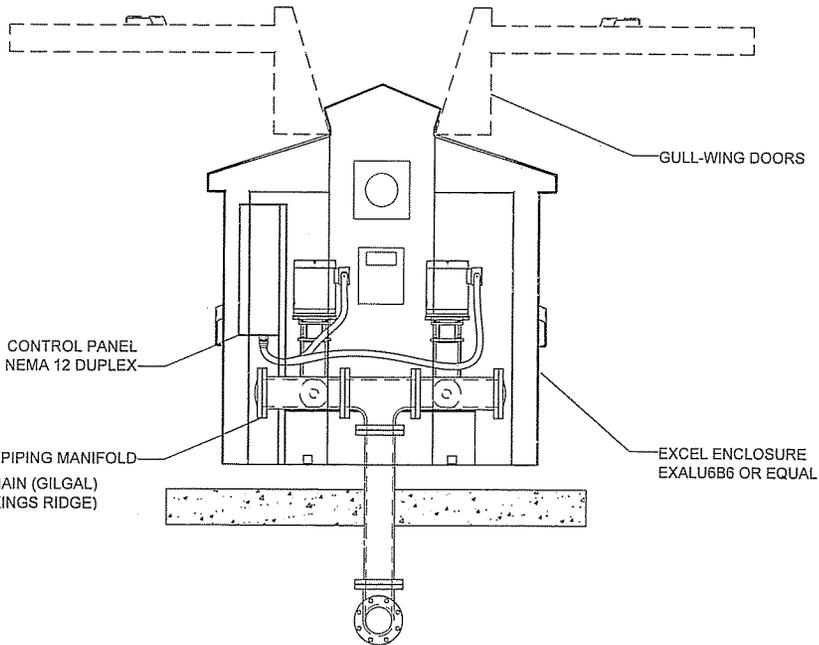
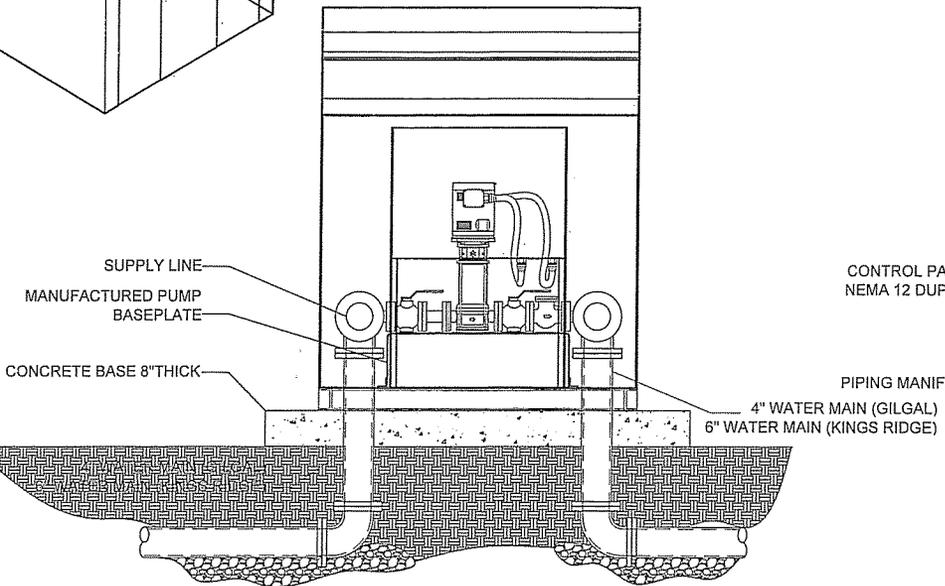
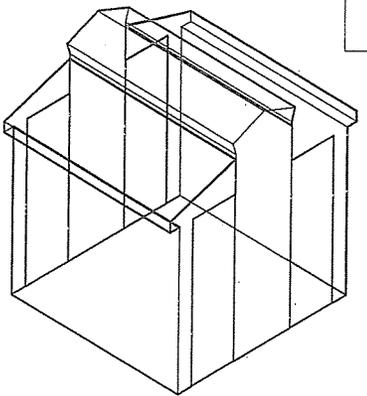


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22

NOTE: BOOSTER PUMP STATION AND PIPING NOT SHOWN.



BOOSTER PUMP STATION PAD DETAIL





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REVISIONS

NO.	DATE	DESCRIPTION

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STANDARD DETAILS 1

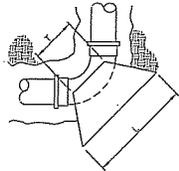
COUNTYWIDE UNDERSERVED PROJECT  
 CARROLLTON UTILITIES & WEST CARROLL WATER DISTRICT  
 CARROLL, HENRY, & TRIMBLE COUNTIES KENTUCKY

JOB NO.  
5104.003

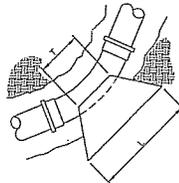
PROJECT MGR.  
CJR

SA  
**STRAND ASSOCIATES**

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 23



90 DEG. PLAN



45 & 22 1/2 DEG. PLAN

90 DEG. BEND

SIZE "D"	4"	6"	8"	10"	12"	14"	16" UP
W	8"	8"	10"	12"	12"	12"	I DIA.
L	14"	18"	20"	22"	24"	30"	D + 24"
H	14"	16"	18"	20"	24"	26"	D + 12"
T	13"	16"	16"	18"	18"	22"	D + 12"

45 DEG. BEND

SIZE "D"	4"	6"	8"	10"	12"	14"	16" UP
W	8"	8"	10"	12"	12"	12"	I DIA.
L	14"	18"	20"	22"	24"	30"	D + 24"
H	14"	16"	18"	20"	24"	26"	D + 12"
T	13"	16"	16"	18"	18"	22"	D + 12"

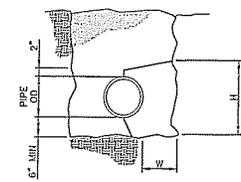
22 1/2 DEG. BEND

SIZE "D"	4"	6"	8"	10"	12"	14"	16" UP
W	8"	8"	10"	12"	12"	12"	I DIA.
L	14"	18"	20"	22"	24"	30"	D + 24"
H	14"	16"	18"	20"	24"	26"	D + 12"
T	13"	16"	16"	18"	18"	22"	D + 12"

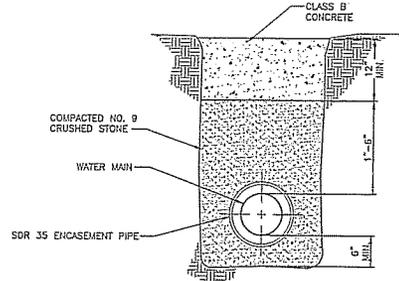
NOTE:  
ALL CONCRETE SHALL BE 3500 PSI MINIMUM

DEPTH "H" MAY BE GREATER OR LESS THAN SPECIFIED TO ALLOW WORKING SPACE.

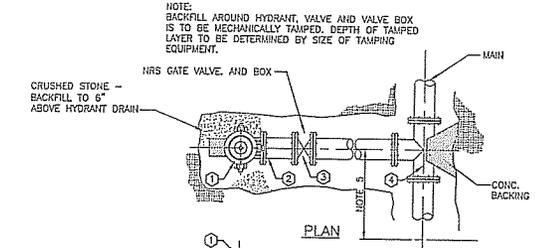
THRUST BLOCK MUST BE PLACED AGAINST UNDISTURBED EARTH OR ROCK.



TYPICAL SECTION



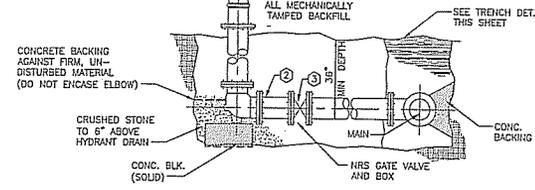
TYPICAL STREAM CROSSING WITH ENCASEMENT PIPE AND CONCRETE CAP  
N.T.S.



PLAN

NOTE:  
BACKFILL AROUND HYDRANT, VALVE AND VALVE BOX IS TO BE MECHANICALLY TAMPED. DEPTH OF TAMPED LAYER TO BE DETERMINED BY SIZE OF TAMPING EQUIPMENT.

NOTE:  
ALL FITTINGS AND PIPE FOR HYDRANT INSTALLATION SHALL BE ANCHORING TYPE - TYP.



SECTION

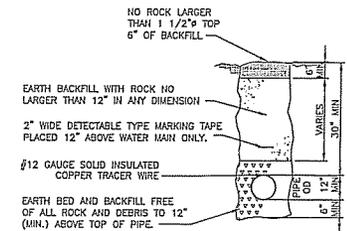
HYDRANT ASSEMBLY SCHEDULE

FIRE HYDRANT	BLOWOFF HYDRANT
1. A/K	A/K
2. 6" DIAMETER	4" DIAMETER
3. 6" GATE VALVE	4" GATE VALVE
4. 6" BRANCH	4" BRANCH OR LINE SIZE W/REDUCER FOR 2" & 3" MAINS.

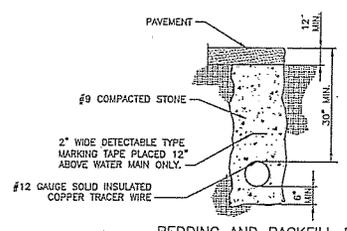
5. WHEN LINE GATE VALVES ARE SHOWN ON THE PLANS NEAR FIRE OR BLOWOFF HYDRANT ASSEMBLIES, THE CENTERLINE OF THE GATE VALVE TO THE CENTERLINE OF THE HYDRANT SHALL BE 5 FEET.

TYPICAL FIRE OR BLOWOFF HYDRANT DETAIL  
NOT TO SCALE

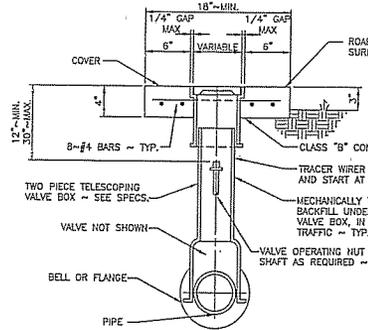
CONCRETE THRUST BLOCK DETAIL  
N.T.S.



BEDDING AND BACKFILL FOR PRESSURE PIPES 3" AND LARGER  
N.T.S.



BEDDING AND BACKFILL FOR PRESSURE PIPES 3" AND LARGER UNDER ROADWAYS  
N.T.S.



TYPICAL VALVE BOX  
NOT TO SCALE

OUTSIDE TRAFFIC AREAS (UNLESS OTHERWISE SPECIFIED)

NOTE:  
 - NO EXTRA PAY ALLOWED FOR CONC. COLLAR WHEN REQUIRED IN TRAFFIC LOCATIONS.  
 - COVER TO BE MARKED "GAS", "WATER" OR "SEWER" AS APPROPRIATE.  
 - VALVE BOX SHALL NOT BEAR DIRECTLY ON THE PIPE OR VALVE.  
 - CONCRETE PAD SHALL BE SQUARE.  
 - CONCRETE PAD SHALL BE REQUIRED ON ALL VALVES.  
 - ALL FILL BENEATH CONC. PAD SHALL BE MECHANICALLY COMPACTED.



*askin*

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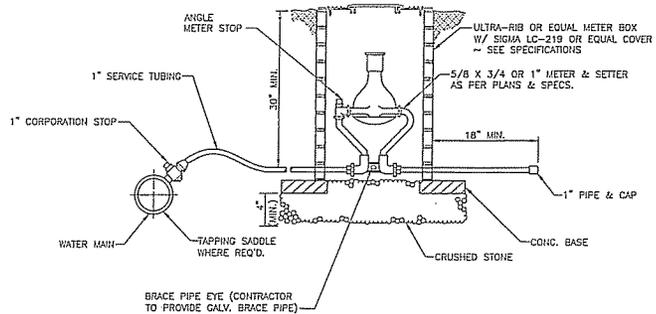
STANDARD DETAILS 2

COUNTYWIDE UNDERSERVED PROJECT  
 CARROLLTON UTILITIES & WEST CARROLL WATER DISTRICT  
 CARROLL, HENRY, & TRUMBULL COUNTIES KENTUCKY

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CJK

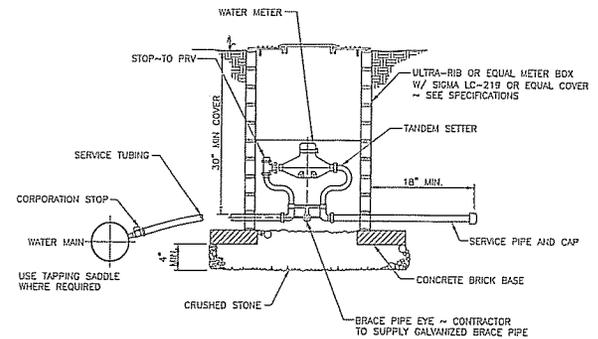


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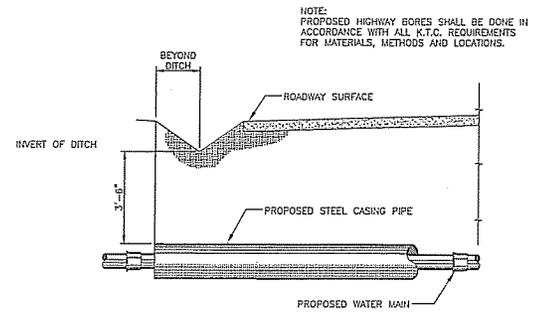


TYPICAL METER SETTING  
N.T.S.

- NOTE:  
 ITEMS INCLUDED IN METER SETTING  
 - 5/8" x 3/4" WATER METER  
 - COPPER METER SETTER w/OUTLET EXTENDED  
 - METER BOX & COVER  
 - 1" SERVICE TUBING  
 - 10' MAXIMUM SAME SIDE OF ROAD AS MAIN  
 - 70' MAXIMUM OPPOSITE SIDE OF ROAD AS MAIN ("PUSHED" OR BORE & JACK UNDER ROAD)  
 - 1" CORPORATION STOP  
 - TAPPING SADDLE WHERE REQUIRED  
 - UNCLASSIFIED EXCAVATION AND BACKFILL  
 - COMPLETE AND IN PLACE

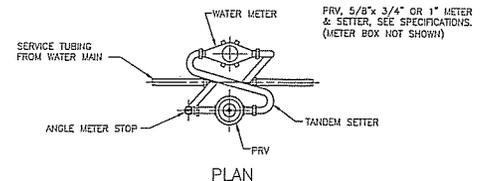


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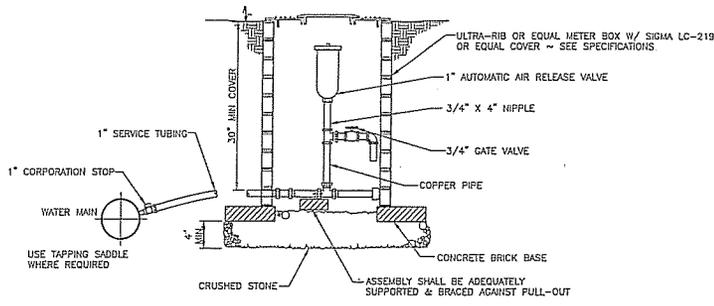


TYPICAL HIGHWAY BORE DETAIL  
NOT TO SCALE

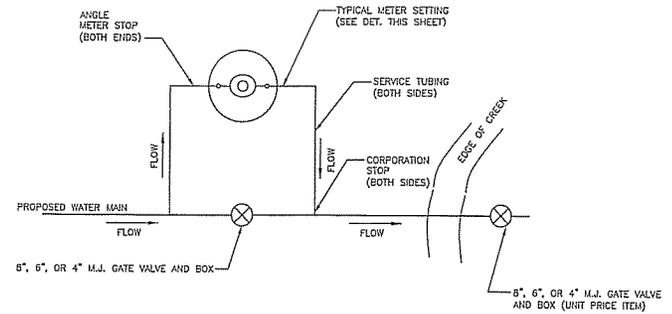
NOTE: PROPOSED HIGHWAY BORES SHALL BE DONE IN ACCORDANCE WITH ALL K.T.C. REQUIREMENTS FOR MATERIALS, METHODS AND LOCATIONS.



TYPICAL METER SETTING w/PRV  
ON NEW SERVICE  
NOT TO SCALE



TYPICAL AUTOMATIC AIR RELEASE ASSEMBLY  
NOT TO SCALE

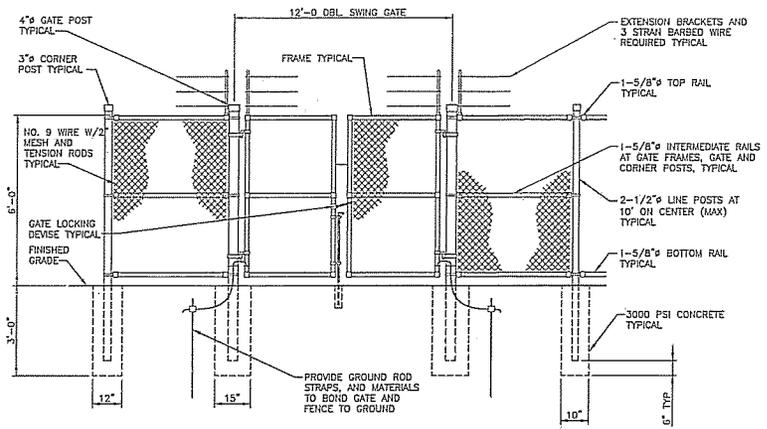


SPECIAL CREEK CROSSING METER BOX  
N.T.S.

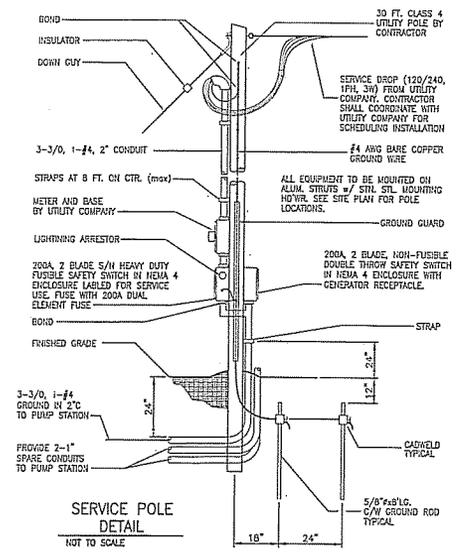


*Mark C. Ashby*

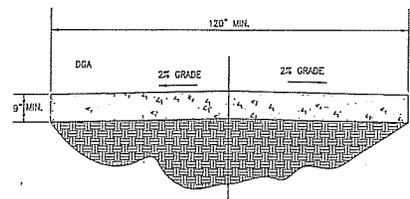
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TYPICAL CHAIN LINK FENCE DETAIL  
NOT TO SCALE



TYPICAL OF 2



GRAVEL ACCESS ROAD DETAIL  
NOT TO SCALE

STANDARD DETAILS 3

COUNTYWIDE UNDERSERVED PROJECT  
CARROLLTON UTILITIES & WEST CARROLL WATER DISTRICT  
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