# US 231 ELEVATED WATER TANK CONTRACT 01 - WATER LINES

**Chairman - Wayne Jackson** 

# **BOARD MEMBERS**

Jeff Powell

**Darce Tabor** 

**Robin York** 

Joe Young

Josh Reynolds, Manager

**DeAnn Marquez, Office Manager** 

FOR THE

# ALLEN COUNTY WATER DISTRICT 330 NEW GALLATIN ROAD SCOTTSVILLE, KY 42164

# **AUGUST 2019**

PREPARED BY:



222 East Main Street, Ste. 1 · Georgetown, KY 40324



# **PROJECT NO. 17023**

F19-025 WX21003021





## **EXISTING UTILITIES**



#### WATER ALLEN COUNTY WATER DISTRICT PO BOX 58 SCOTTSVILLE, KY 42164 GARRY WADE, MANAGER (270) 622-3040 OFFICE

GAS Tri-County Electric 620 Veterans Memorial Hwy PO BOX 479 SCOTTSVILLE, KY 42164 (270) 237-4418

ELECTRIC Tri-County Electric 620 Veterans Memorial Hwy SCOTTSVILLE, KY 42164 (270) 237-4418

## NOTE:

IN ACCORDANCE WITH KENTUCKY STATE LAW, ANY ACTIVITY THAT RESULTS IN MOVEMENT, PLACEMENT, BORING, PROBING OR DIGGING IN OR ON THE GROUND SHALL CONTACT THE ONE CALL CENTER FOR UNDERGROUND UTILITY LOCATIONS.

TELEPHONE & CABLE NCTC 1630 Bowling Green Rd PO BOX 96 SCOTTSVILLE, KY 42164 (270) 622-7500

## DRAWING INDEX

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03	AERIAL PLAN - WATER LINE A - SPEARS ROAD
	<b>AERIAL PLAN - WATERLINE B - BOWLING GREEN ROAD</b>
04	AERIAL PLAN - WATER LINE B - BOWLING GREEN ROAD
05	AERIAL PLAN - WATER LINE B - BOWLING GREEN ROAD
06	STANDARD DETAILS - WATER LINES
07	STANDARD DETAILS - ROAD CROSSING
08	STANDARD DETAILS - EROSION CONTROL

#### LEGEND

	NEW WATER MAIN
w	EXISTING WATER MAIN
SAN	<b>EXISTING SANITARY SEWER</b>
G	EXISTING GAS MAIN
—— FM ——	EXISTING FORCE MAIN
	NEW STEEL CASING
	EXISTING CULVERT



**NEW FLUSHING HYDRANT** 

EXISTING WATER METER NEW GATE VALVE & BOX EXISTING MANHOLE

**EXISTING FLUSHING HYDRANT** 

### **GENERAL NOTES**

- DIMENSIONS OF EXISTING STRUCTURES, EQUIPMENT, ETC. SHALL BE FIELD CONFIRMED BY THE CONTRACTOR. WHERE CRITICAL DIMENSIONS FOR INSTALLATION OF PROPOSED EQUIPMENT ARE INDICATED ON THE DRAWINGS, THE CONTRACTOR SHALL CONFIRM THESE DIMENSIONS FOR ACTUAL EQUIPMENT FURNISHED. ALL KNOWN DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER.
- THE CONTRACTOR SHALL USE ALL POSSIBLE CARE DURING EXCAVATION ON THIS PROJECT SO AS NOT TO DISTURB ANY EXISTING UTILITY WHETHER SHOWN ON PLANS OR NOT. ANY UTILITY DISTURBED OR DAMAGED BY THE CONTRACTOR DURING HIS CONSTRUCTION OPERATIONS SHALL BE REPAIRED BY THE CONTRACTOR AT NO EXTRA COST TO THE OWNER.
- . THE CONTRACTOR SHALL CONFINE ALL CONSTRUCTION ACTIVITY TO THE AREA WITHIN EXISTING EASEMENTS AND CONSTRUCTION LIMITS, UNLESS OTHERWISE APPROVED IN WRITING BY THE OWNER.
- . THE CONTRACTOR WILL BE SOLELY LIABLE FOR ANY WORK HE PERFORMS OUTSIDE OF LEGAL EASEMENTS OR CONSTRUCTION LIMITS.
- 5. THE CONTRACTOR MUST CONTACT ALL UTILITY OWNERS AND HAVE THEM FIELD LOCATE THEIR EXISTING LINES PRIOR TO ANY CONSTRUCTION ACTIVITY.
- 6. EFFORTS HAVE BEEN MADE TO INDICATE ACCURATE LOCATIONS OF SOME EXISTING STRUCTURES, PIPING AND UTILITIES. HOWEVER THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE SITE AND OTHER EXISTING CONDITIONS AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES BETWEEN INFORMATION DEPICTED BY THE CONSTRUCTION DRAWINGS AND ACTUAL FIELD CONDITIONS WHICH WOULD SIGNIFICANTLY ALTER THE DESIGN INTENT OF THE CONSTRUCTION DRAWINGS PRIOR TO COMMENCING HIS CONSTRUCTION OPERATIONS. DIMENSIONS OF EXISTING STRUCTURES AND/OR SITE RESTRICTIONS ARE APPROXIMATE, IT IS THE CONTRACTORS RESPONSIBILITY TO OBTAIN AND CONFIRM ALL DIMENSIONS AND ELEVATIONS OF EXISTING STRUCTURES AND TOPOGRAPHY IN THE FIELD NECESSARY FOR HIS CONSTRUCTION OPERATION.
- 7. THE CONTRACTOR SHALL USE ALL POSSIBLE CARE DURING EXCAVATION ON THIS PROJECT SO AS NOT TO DISTURB OR DAMAGE ANY EXISTING UTILITY OR STRUCTURE NOT SCHEDULED FOR DEMOLITION WHETHER DEPICTED OR NOT IN THE CONSTRUCTION DRAWINGS. ANY DAMAGE TO THE AFORE MENTIONED ITEMS CAUSED DIRECTLY OR INDIRECTLY BY THE CONTRACTOR SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT NO COST TO THE OWNER TO A CONDITION EQUAL TO OR BETTER THAN THAT WHICH EXISTED PRIOR TO BEING DAMAGED.
- 8. THE CONTRACTOR SHALL CONTACT AND OBTAIN THE PERMISSION OF EXISTING UTILITY OWNERS 48 HOURS (MIN.) PRIOR TO ANY CONSTRUCTION ACTIVITY INTERRUPTING OPERATION OF SAID UTILITY.
- D. UNLESS OTHERWISE NOTED, ALL BURIED PIPES SHALL HAVE 36" (MIN.) COVER AS MEASURED FROM FINISHED GRADE TO THE OUTSIDE SURFACE OF THE PIPE.
- 10. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO WORK ALL APPLICABLE DRAWINGS AND THE APPROPRIATE SPECIFICATIONS AS A UNIT. ANY OMISSIONS, DELETIONS, OR CONFLICT'S ARISING AS A RESULT OF FAILURE TO INCORPORATE ALL DRAWINGS AND SPECIFICATIONS WHICH APPLY SHALL BE CORRECTED BY THE CONTRACTOR AT NO ADDED COST TO THE OWNER.

#### **CONSTRUCTION IN KTC RIGHT-OF-WAY**

WATER MAIN/SEWER MAINS TO BE CONSTRUCTED WITHIN THE KENTUCKY TRANSPORTATION CABINET RIGHT-OF-WAY:

TRENCHES SHALL BE OF A DEPTH SUFFICIENT TO PROVIDE A MINIMUM COVER OF 42" FROM THE EXISTING GROUND SURFACE TO THE TOP OF THE PIPE AND BE LOCATED APPROXIMATELY AS SHOWN UNLESS OTHERWISE NOTED. SEE INDIVIDUAL SHEETS FOR DETAILS.

ALL BORES UNDER STATE HIGHWAYS RIGHT-OF-WAY:

SHALL BE A MINIMUM OF 42" DEPTH UNDER BOTTOM OF DITCH LINE TO TOP OF THE PROPOSED BORE AND/OR CASING PIPE ON BOTH SIDES OF THE HIGHWAY.

ROCK BLASTING:

THERE SHALL BE NO BLASTING WITHIN STATE RIGHT-OF-WAY WITHOUT WRITTEN CONSENT FROM THE KENTUCKY TRANSPORTATION CABINET.

#### PROTECTION OF EXISTING PAVING:

WATER MAINS SHALL BE INSTALLED FIVE (5) FEET FROM THE EDGE OF PAVEMENT WHERE APPLICABLE. CARE SHALL BE TAKEN BY THE CONTRACTOR TO AVOID CRACKING OR BREAKING THE BITUMINOUS PAVING. ALL DAMAGE TO THE EXISTING PAVING CAUSED BY THE CONTRACTOR'S OPERATION SHALL BE REPAIRED BY THE CONTRACTOR AT NO COST TO THE OWNER. PAVING PROTECTION SHALL BE ACCOMPLISHED BY THE USE OF RUBBER AND STREET PADDED MACHINERY OR OTHER APPROVED EQUIPMENT WELL SUITED FOR THIS TYPE OF CONSTRUCTION.

#### BANK AND DITCH PROTECTION EXCAVATION:

DURING CONSTRUCTION, ALL EMBANKMENTS, REFILLS AND EXCAVATIONS SHALL BE KEPT SHAPED AND DRAINED BY THE CONTRACTOR. DITCHES AND DRAINS ALONG THE HIGHWAYS SHALL BE MAINTAINED IN SUCH A MANNER AS TO DRAIN EFFECTIVELY AT ALL TIMES. PERMANENT APPURTENANCES (GATE VALVE BOXES, HYDRANTS, ETC.) SHALL NOT BE LOCATED IN DITCH LINES. PERMANENT SURFACE APPURTENANCES SHALL BE LOCATED AT THE BACK OF DITCH (MINIMUM) OR TOE OF SLOPE.

#### PRIVATE ENTRANCE ROAD:

ALL ROADWAYS AND DRIVEWAYS WITHIN THE WORK LIMITS OF STATE RIGHT-OF-WAYS SHALL BE REFILLED TO THE NATURAL SURFACE OF THE GROUND WITH APPROVED MATERIAL. THE MATERIAL SHALL BE PLACED AND COMPACTED TO A SMOOTHNESS SUITABLE FOR TRAFFIC. THE CONTRACTOR SHALL BE TOTALLY RESPONSIBLE FOR MAINTAINING THESE ROADWAYS UNTIL THE RESTORATION IS APPROVED BY THE ENGINEER. THE CONTRACTOR SHALL NOTE THAT ALL PRIVATE BUSINESSES AND RESIDENCES ALONG THE ROUTE OF THE PROPOSED WATER MAIN/SEWER LINE CONSTRUCTION MUST HAVE ACCESS TO THEIR PROPERTIES AT ALL TIMES DURING CONSTRUCTION.

#### PROTECTION OF EXISTING DRAINAGE CULVERTS:

ALL LOCATIONS WHERE THE PROPOSED WATER MAIN/SEWER LINE IS PARALLEL WITH OR CROSSING AN EXISTING STORM SEWER, THE COST OF RELAYING EXISTING CULVERT PIPES OR THE EXTRA DEPTH REQUIRED TO AVOID THE EXISTING CULVERT IS CONSIDERED INCIDENTAL TO THE CONSTRUCTION AND IS NOT A PAY ITEM.

#### SOME EXISTING UTILITIES HAVE NOT BEEN SHOWN:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING UTILITIES. THE CONTRACTOR SHALL COORDINATE WITH THE REPRESENTATIVES OF THE VARIOUS UTILITIES WHEN WORKING NEAR ANY EXISTING UTILITY. NO ADDITIONAL PAYMENT TO THE CONTRACTOR WILL BE MADE FOR EXTRA DEPTH REQUIRED TO AVOID ANY EXISTING UTILITY.

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#### NOTES:

- DRAWINGS OF EXISTING HALFWAY BOOSTER STATION ARE BASED UPON BID PLAN SET PREPARED BY KENVIRONS, INC OF FRANKFORT, KY STAMPED BY CARLOS F. MILLER PE ON JULY 5, 2011.
- CONTRACTOR TO VERIFY DIMENSIONS, MATERIAL(S), & LOCATIONS PRIOR TO ORDERING MATERIALS. ANY VARIANCES DISCOVERED BY CONTRACTOR, SHALL BE GIVEN TO ENGINEER & OWNER IN WRITING.









DATE: AUGUST 2019

PROJECT MGR: MRC

CHECKED BY: PBR

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