



**COMMONWEALTH OF KENTUCKY  
TRANSPORTATION CABINET**

Frankfort, Kentucky 40622  
www.transportation.ky.gov/

**Matthew G. Bevin**  
Governor

**Greg Thomas**  
Secretary

March 22, 2018

CALL NO. 300  
CONTRACT ID NO. 181010  
ADDENDUM # 2

Subject: DAVIESS COUNTY, FD04 SPP 0030 0081 011-012  
Letting March 23, 2018

- (1) Revised - Special Note - Page 36 of 140
- (2) Revised - Proposal Bid Items - Pages 138-140 of 140
- (3) Revised - Plans - Pages U2 and U7

Proposal revisions are available at <http://transportation.ky.gov/Construction-Procurement/>.

If you have any questions, please contact us at 502-564-3500.

Sincerely,

A handwritten signature in cursive script that reads "Rachel Mills".

Rachel Mills, P.E.  
Director  
Division of Construction Procurement

RM:mr  
Enclosures



An Equal Opportunity Employer M/F/D

disposal of excess excavation materials, and incidentals necessary to install the complete line valve assembly in accordance with the Contract Documents.

**Bid Item No. 7**

Payment for this Bid Item shall be per **each** of the respective size of **Type "K" copper tubing service line** from the corporation stop on the water main to the water meter. This item shall include costs for roadway bore, flushing, sterilizing and testing service lines. Payment shall include miscellaneous hardware, flange nuts, flaring, gasket, bronze service saddle and corporation stop.

Payment shall be full compensation for all labor, equipment, materials, transportation, excavation, placing, testing, sterilizing, backfilling, hauling and disposing of excess excavation materials and incidentals necessary to install the respective size service line in accordance with the Contract Documents.

**Bid Item Nos. 8 & 9**

Payment for this Bid Item shall be per each **cutting and capping of the 8" PVC and 12" PVC existing water main** as verified and approved by the Engineer.

Payment shall be full compensation for all labor, equipment, materials, tools, excavation, backfilling, thrust blocks, restraining flanges, coordination of line shut-down; hauling and disposal of excess excavation materials and incidentals necessary to seal the abandoned water line in accordance with the Contract Documents.

**Bid Item No. 10**

Payment for this Bid Item shall be per each setting of the respective size **fire hydrant, hydrant valve, valve box, tee fitting** and incidental hardware as verified and approved by the Engineer.

Payment shall be full compensation for all labor, equipment, tools, new hydrant, valve, hydrant extension, valve stem/valve box extensions, fittings, excavation, transporting and placing materials, concrete blocking materials, stone drain pits, backfilling, hauling and disposing of excess excavation material and incidentals necessary to install the hydrant/valve assembly in accordance with the Contract Documents.

**Bid Item No. 11**

Payment for this Bid Item shall be per linear foot of the respective size of in-place **steel casing installed by bore technique** as verified by and as approved by the Engineer.

Payment shall be for all satisfactorily installed steel casing including elastomeric end seals at ends of casing pipe, casing spacers, any removal and replacing to proper elevation, welding of casing, preparing jack pit, jacking equipment, barricades, safety

## PROPOSAL BID ITEMS

181010

Page 1 of 3

Report Date 3/22/18

### Section: 0001 - PAVING

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0010	00003		CRUSHED STONE BASE	11,077.00	TON		\$	
0020	00080		CRUSHED AGGREGATE SIZE NO 23	16,834.00	TON		\$	
0030	00100		ASPHALT SEAL AGGREGATE	51.00	TON		\$	
0040	00103		ASPHALT SEAL COAT	6.00	TON		\$	
0050	00190		LEVELING & WEDGING PG64-22	50.00	TON		\$	
0060	00212		CL2 ASPH BASE 1.00D PG64-22	2,286.00	TON		\$	
0070	00214		CL3 ASPH BASE 1.00D PG64-22	12,640.00	TON		\$	
0080	00309		CL2 ASPH SURF 0.50D PG64-22	558.00	TON		\$	
0090	00324		CL3 ASPH SURF 0.50B PG64-22	1,838.00	TON		\$	
0100	00356		ASPHALT MATERIAL FOR TACK	28.00	TON		\$	

### Section: 0002 - ROADWAY

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0110	00020		TRAFFIC BOUND BASE	400.00	TON		\$	
0120	00078		CRUSHED AGGREGATE SIZE NO 2	2,950.00	TON		\$	
0130	01810		STANDARD CURB AND GUTTER	680.00	LF		\$	
0140	01825		ISLAND CURB AND GUTTER	472.00	LF		\$	
0150	01917		STANDARD BARRIER MEDIAN TYPE 2	130.00	SQYD		\$	
0160	02014		BARRICADE-TYPE III	6.00	EACH		\$	
0170	02159		TEMP DITCH	1,500.00	LF		\$	
0180	02160		CLEAN TEMP DITCH	750.00	LF		\$	
0190	02230		EMBANKMENT IN PLACE	31,547.00	CUYD		\$	
0200	02242		WATER	40.00	MGAL		\$	
0210	02429		RIGHT-OF-WAY MONUMENT TYPE 1	13.00	EACH		\$	
0220	02432		WITNESS POST	13.00	EACH		\$	
0230	02545		CLEARING AND GRUBBING 14 ACRES	1.00	LS		\$	
0240	02562		TEMPORARY SIGNS	264.00	SQFT		\$	
0250	02596		FABRIC-GEOTEXTILE TYPE I	3,500.00	SQYD		\$	
0260	02599		FABRIC-GEOTEXTILE TYPE IV	53,612.00	SQYD		\$	
0270	02650		MAINTAIN & CONTROL TRAFFIC	1.00	LS		\$	
0280	02671		PORTABLE CHANGEABLE MESSAGE SIGN	2.00	EACH		\$	
0290	02676		MOBILIZATION FOR MILL & TEXT	1.00	LS		\$	
0300	02677		ASPHALT PAVE MILLING & TEXTURING	200.00	TON		\$	
0310	02696		SHOULDER RUMBLE STRIPS	5,868.00	LF		\$	
0320	02701		TEMP SILT FENCE	1,500.00	LF		\$	
0330	02703		SILT TRAP TYPE A	6.00	EACH		\$	
0340	02704		SILT TRAP TYPE B	6.00	EACH		\$	
0350	02705		SILT TRAP TYPE C	6.00	EACH		\$	
0360	02706		CLEAN SILT TRAP TYPE A	6.00	EACH		\$	
0370	02707		CLEAN SILT TRAP TYPE B	6.00	EACH		\$	
0380	02708		CLEAN SILT TRAP TYPE C	6.00	EACH		\$	
0390	02726		STAKING	1.00	LS		\$	
0400	02775		ARROW PANEL	1.00	EACH		\$	
0410	03225		TUBULAR MARKERS	65.00	EACH		\$	

**PROPOSAL BID ITEMS**

REVISED ADDENDUM #2: 3-22-18

181010

Page 2 of 3

Report Date 3/22/18

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0420	05950		EROSION CONTROL BLANKET	4,000.00	SQYD		\$	
0430	05952		TEMP MULCH	17,491.00	SQYD		\$	
0440	05953		TEMP SEEDING AND PROTECTION	13,119.00	SQYD		\$	
0450	05963		INITIAL FERTILIZER	2.80	TON		\$	
0460	05964		20-10-10 FERTILIZER	1.40	TON		\$	
0470	05985		SEEDING AND PROTECTION	26,237.00	SQYD		\$	
0480	05992		AGRICULTURAL LIMESTONE	16.30	TON		\$	
0490	06510		PAVE STRIPING-TEMP PAINT-4 IN	33,000.00	LF		\$	
0500	06514		PAVE STRIPING-PERM PAINT-4 IN	16,740.00	LF		\$	
0510	06546		PAVE STRIPING-THERMO-12 IN W	380.00	LF		\$	
0520	06549		PAVE STRIPING-TEMP REM TAPE-B	500.00	LF		\$	
0530	06550		PAVE STRIPING-TEMP REM TAPE-W	2,400.00	LF		\$	
0540	06551		PAVE STRIPING-TEMP REM TAPE-Y	1,200.00	LF		\$	
0550	06569		PAVE MARKING-THERMO CROSS-HATCH	3,390.00	SQFT		\$	
0560	06574		PAVE MARKING-THERMO CURV ARROW	14.00	EACH		\$	
0570	06576		PAVE MARKING-THERMO ONLY	1.00	EACH		\$	
0580	10020NS		FUEL ADJUSTMENT	33,690.00	DOLL	\$1.00	\$	\$33,690.00
0590	10030NS		ASPHALT ADJUSTMENT	49,313.00	DOLL	\$1.00	\$	\$49,313.00
0600	21289ED		LONGITUDINAL EDGE KEY	925.00	LF		\$	
0610	23608EC		YELLOW PAINT FOR MEDIAN SAFETY NOSE	160.00	SQFT		\$	
0620	23623EC		REMOVE MOUNTABLE MEDIAN	910.00	SQYD		\$	
0630	24489EC		INLAID PAVEMENT MARKER	148.00	EACH		\$	

**Section: 0003 - DRAINAGE**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0640	02690		SAFELADING	3.50	CUYD		\$	
0650	20166ES810		TEMPORARY PIPE	120.00	LF		\$	

**Section: 0004 - SEWER**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0660	01314		PLUG PIPE	2.00	EACH		\$	
0670	15017		S ENCASEMENT STEEL BORED RANGE 4	200.00	LF		\$	
0680	15123		S LINE MARKER	6.00	EACH		\$	
0690	15508		S FORCE MAIN AIR RLS/VAC VLV 03 IN INST	2.00	EACH		\$	
0700	15542		S FORCE MAIN PVC 10 INCH INST	1,185.00	LF		\$	
0710	15555		S FORCE MAIN TIE-IN 10 INCH INST	2.00	EACH		\$	

**Section: 0005 - LIGHTING**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0720	04740		POLE BASE	2.00	EACH		\$	
0730	04780		FUSED CONNECTOR KIT	4.00	EACH		\$	
0740	04795		CONDUIT-2 IN	360.00	LF		\$	
0750	04820		TRENCHING AND BACKFILLING	360.00	LF		\$	

### PROPOSAL BID ITEMS

181010

Page 3 of 3

Report Date 3/22/18

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0760	04832		WIRE-NO. 12	360.00	LF		\$	
0770	04833		WIRE-NO. 8 (REVISED: 3-21-18)	1,335.00	LF		\$	
0780	04940		REMOVE LIGHTING	1.00	LS		\$	
0790	04942		REMOVE STORE & REINSTALL POLE	2.00	EACH		\$	
0800	20410ED		MAINTAIN LIGHTING	1.00	LS		\$	
0810	24589ED		LED LUMINAIRE	10.00	EACH		\$	
0820	24901EC		PVC CONDUIT-2 IN-SCHEDULE 80	340.00	LF		\$	

#### Section: 0006 - WATERLINE

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0830	14003		W CAP EXISTING MAIN	4.00	EACH		\$	
0840	14008		W ENCASEMENT STEEL BORED RANGE 3	274.00	LF		\$	
0850	14019		W FIRE HYDRANT ASSEMBLY	2.00	EACH		\$	
0860	14106		W VALVE 08 INCH	3.00	EACH		\$	
0870	14547		W PIPE PVC 08 INCH INST	600.00	LF		\$	
0880	14549		W PIPE PVC 12 INCH INST	3,320.00	LF		\$	
0890	14579		W TIE-IN 08 INCH INST	2.00	EACH		\$	
0900	14581		W TIE-IN 12 INCH INST	2.00	EACH		\$	
0910	14630		W SERV COPPER LONG SIDE 3/4 IN INST (REVISED: 3-22-18)	2.00	EACH		\$	
0920	14637		W BLOWOFF ASSEMBLY INST TEMP	1.00	EACH		\$	
0930	22762ND		TEE AND BLOCK-12X12X8 IN	3.00	EACH		\$	

#### Section: 0007 - DEMOBILIZATION &/OR MOBILIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0940	02568		MOBILIZATION	1.00	LS		\$	
0950	02569		DEMOBILIZATION	1.00	LS		\$	

# GENERAL SUMMARY

COUNTY OF	ITEM NO.	SHEET NO.
DAVIESS	2-8851.00	U2

WATER - SEWER PLANS  
REVISED 3/21/2018

ITEM CODE	ITEM	UNIT	U3	U5	U7	TOTAL														
	<b>WATER TRUNK LINE &amp; MAIN</b>																			
14008	W ENCASEMENT STEEL BORED RANGE 3 (14 IN.)	L.F.	130		144	274														
14630	W SERV COPPER LONG SIDE 3/4 IN INST	EACH			2	2														
14547	W PIPE PVC 08 INCH INST (C-900)	L.F.	470		190	600														
14549	W PIPE PVC 12 INCH INST (C-900)	L.F.	630	1,500	1,190	3,320														
INCID	BEND 11 1/4 DRG - 8 IN	EACH	1			1														
INCID	BEND 45 DRG - 8 IN	EACH	4			4														
INCID	BEND 11 1/4 DRG - 12 IN	EACH	2			2														
INCID	BEND 22.50 DRG - 12 IN	EACH	1			1														
INCID	BEND 45 DRG - 12 IN	EACH			2	2														
INCID	TEE & BLOCK - 8 IN X 8 IN X 8 IN	EACH	1			1														
22762ND	TEE & BLOCK - 12 IN X 12 IN X 8 IN	EACH	1		2	3														
14579	W TIE-IN 08 INCH INST (W/SLEEVE)	EACH	1		1	2														
14581	W TIE-IN 12 INCH INST (W/SLEEVE)	EACH	1		1	2														
14106	GATE VALVE - 8 IN	EACH	2		1	3														
14019	W FIRE HYDRANT ASSEMBLY	EACH	1		1	2														
14003	W CAP EXISTING MAIN INST (8 IN.)	EACH	1		1	2														
14003	W CAP EXISTING MAIN INST (12 IN.)	EACH	1		1	2														
14637	W BLOWOFF ASSEMBLY INST (TEMPORARY)	EACH			1	1														
INCID	CONNECT TO EXISTING WATER METER	EACH			2	2														
INCID	EROSION CONTROL PROCEDURES	L.S.				L.S.														
INCID	BRONZE TAPPING SADDLE & CORP. STOP	EACH			2	2														
	<b>SANITARY SEWER FORCE MAIN</b>																			
15017	S ENCASEMENT STEEL BORED RANGE 4 (18 IN)	L.F.		200		200														
15542	S FORCE MAIN PVC 10 INCH INST	L.F.	590	595		1,185														
INCID	BEND 11.25 DEG - 10 IN	EACH	1			1														
INCID	BEND 22.50 DEG - 10 IN	EACH	1			1														
INCID	BEND 45 DEG - 10 IN	EACH		2		2														
15508	S FORCE MAIN AIR RLS/VAC VLV & VAULT 03 IN. INST	EACH	1	1		2														
15555	S FORCE MAIN TIE-IN 10 INCH INST	EACH	1	1		2														
1314	PLUG PIPE ( CUT & CAP - 10 INCH)	EACH	1	1		2														
15123	S LINE MARKER	EACH	2	4		6														
INCID	EROSION CONTROL PROCEDURES	L.S.				L.S.														
INCID	INCIDENTAL ITEM PER METHOD OF MEASUREMENT & BASIS OF PAYMENT SECTION.																			

PREPARED BY \_\_\_\_\_ DATE \_\_\_\_\_  
 CHECKED BY \_\_\_\_\_ DATE \_\_\_\_\_  
 APPROVED BY \_\_\_\_\_ DATE \_\_\_\_\_

Cell Library: kyfc.cel  
 Cell Name: sgs  
 Cell Number: 00-0000-0000

**Commonwealth of Kentucky**  
**DEPARTMENT OF HIGHWAYS**  
 COUNTY OF  
**DAVIESS**

PROJECT FD04 SPP 030 0081 011-012  
 NUMBERS: \_\_\_\_\_

(WATER TRUNK LINE - SEWER FORCE MAIN)

GENERAL SUMMARY

COUNTY OF	ITEM NO.	SHEET NO.
DAVISS	2-8851.00	U2

WATER - SEWER PLANS  
REVISED 3/21/2018

ITEM CODE	ITEM	UNIT	U3	U5	U7	TOTAL														
	<b>WATER TRUNK LINE &amp; MAIN</b>																			
14008	W ENCASEMENT STEEL BORED RANGE 3 (14 IN.)	L.F.	130		144	274														
14630	W SERV COPPER LONG SIDE 3/4 IN INST	EACH			2	2														
14547	W PIPE PVC 08 INCH INST (C-900)	L.F.	410		190	600														
14549	W PIPE PVC 12 INCH INST (C-900)	L.F.	630	1,500	1,190	3,320														
INCID	BEND 11 1/4 DRG - 8 IN	EACH	1			1														
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INCID	BEND 11 1/4 DRG - 12 IN	EACH	2			2														
INCID	BEND 22.50 DRG - 12 IN	EACH	1			1														
INCID	BEND 45 DRG - 12 IN	EACH			2	2														
INCID	TEE & BLOCK - 8 IN X 8 IN X 8 IN	EACH	1			1														
22762ND	TEE & BLOCK - 12 IN X 12 IN X 8 IN	EACH	1		2	3														
14579	W TIE-IN 08 INCH INST (W/SLEEVE)	EACH	1		1	2														
14581	W TIE-IN 12 INCH INST (W/SLEEVE)	EACH	1		1	2														
14106	GATE VALVE - 8 IN	EACH	2		1	3														
14019	W FIRE HYDRANT ASSEMBLY	EACH	1		1	2														
14003	W CAP EXISTING MAIN INST (8 IN.)	EACH	1		1	2														
14003	W CAP EXISTING MAIN INST (12 IN.)	EACH	1		1	2														
14637	W BLOWOFF ASSEMBLY INST (TEMPORARY)	EACH			1	1														
INCID	CONNECT TO EXISTING WATER METER	EACH			2	2														
INCID	EROSION CONTROL PROCEDURES	L.S.				L.S.														
INCID	BRONZE TAPPING SADDLE & CORP. STOP	EACH			2	2														
	<b>SANITARY SEWER FORCE MAIN</b>																			
15017	S ENCASEMENT STEEL BORED RANGE 4 (18 IN)	L.F.		200		200														
15542	S FORCE MAIN PVC 10 INCH INST	L.F.	590	595		1,185														
INCID	BEND 11.25 DEG - 10 IN	EACH	1			1														
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INCID	BEND 45 DEG - 10 IN	EACH		2		2														
15508	S FORCE MAIN AIR RLS/VAC VLV & VAULT 03 IN. INST	EACH	1	1		2														
15555	S FORCE MAIN TIE-IN 10 INCH INST	EACH	1	1		2														
1314	PLUG PIPE ( CUT & CAP - 10 INCH)	EACH	1	1		2														
15123	S LINE MARKER	EACH	2	4		6														
INCID	EROSION CONTROL PROCEDURES	L.S.				L.S.														
INCID	INCIDENTAL ITEM PER METHOD OF MEASUREMENT & BASIS OF PAYMENT SECTION.																			

PREPARED BY \_\_\_\_\_ DATE \_\_\_\_\_  
 CHECKED BY \_\_\_\_\_ DATE \_\_\_\_\_  
 APPROVED BY \_\_\_\_\_ DATE \_\_\_\_\_

Cell Library: kyfc.cel  
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**Commonwealth of Kentucky**  
**DEPARTMENT OF HIGHWAYS**  
 COUNTY OF  
**DAVISS**

PROJECT FD04 SPP 030 0081 011-012  
 NUMBERS: \_\_\_\_\_

(WATER TRUNK LINE - SEWER FORCE MAIN)

REVISED 3/21/2018

COUNTY OF	ITEM NO.	SHEET NO.
DAVIESS	2-8851.00	U7

WATER - SEWER PLANS

**WARNING**

THE CONTRACTOR SHALL USE EXTREME CARE WHENEVER WORKING NEAR GASLINES.

PI STA = 120+89.01  
 N 3801416.41  
 E 4511790.04  
 Delta = 2°21'14.90"  
 T = 205.47'  
 L = 410.87'  
 C = 0°34'23"  
 R = 10000.00'  
 E = 2.11'  
 e = 2.00%

ENT. LT. STA 127+48.51  
 POB STA. 47+96.59  
 X: 4512403.47  
 Y: 3801651.85

POE STA. 50+00.00  
 X: 4512448.56  
 Y: 3801453.5034

BEARING & DISTANCE

1	S 84°24'34" W - 384.74'
2	S 5°35'26" E - 15.00'
3	S 84°24'34" W - 50.00'
4	N 5°35'26" W - 15.00'
5	S 84°24'34" W - 52.88'
6	S 12°07'44" E - 57.38'
7	S 84°24'34" W - 1015.41'

CONST. ENTRANCE

LOCATION	WIDTH	TYPE	S.Y. PAVED	S.Y. CSB	PIPE
LT. 127+48.51	12'	ASPH./CSB (RES.)	73	118	NO PIPE
RT. 122+47.46	66'	ASPH. (COMM.)	76	-	NO PIPE
RT. 127+41.16	15'	ASPH. (RES.)	23	-	NO PIPE

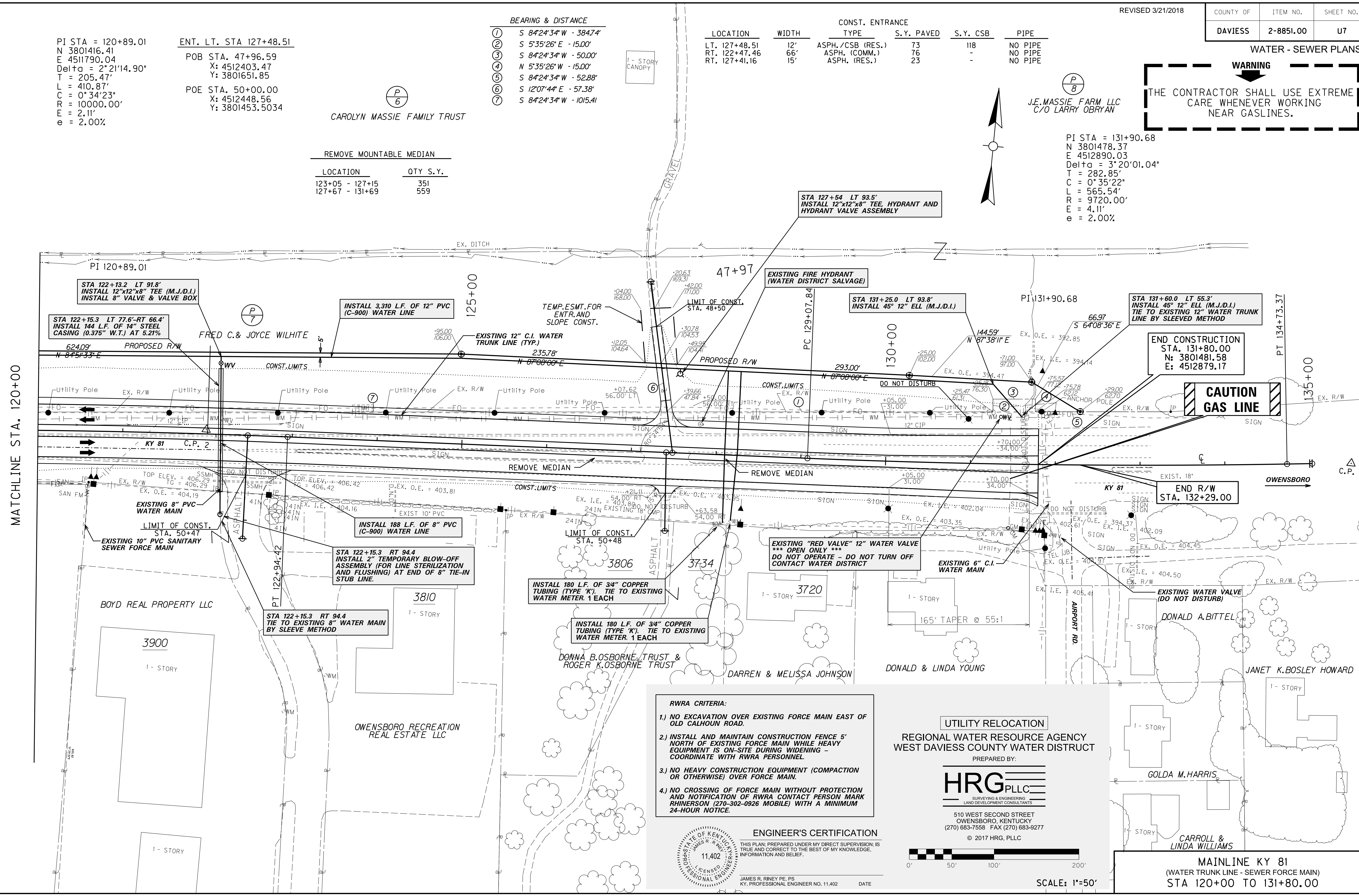
J.E. MASSIE FARM LLC  
 C/O LARRY OBRYAN

PI STA = 131+90.68  
 N 3801478.37  
 E 4512890.03  
 Delta = 3°20'01.04"  
 T = 282.85'  
 L = 565.54'  
 R = 9720.00'  
 E = 4.11'  
 e = 2.00%

REMOVE MOUNTABLE MEDIAN

LOCATION	QTY	S.Y.
123+05 - 127+15	351	
127+67 - 131+69	559	

MATCHLINE STA. 120+00

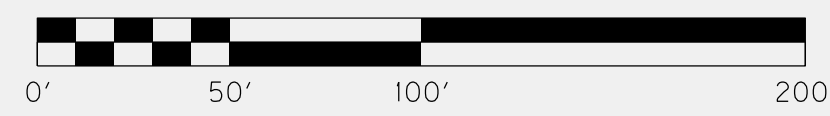


- RWRA CRITERIA:**
- 1.) NO EXCAVATION OVER EXISTING FORCE MAIN EAST OF OLD CALHOUN ROAD.
  - 2.) INSTALL AND MAINTAIN CONSTRUCTION FENCE 5' NORTH OF EXISTING FORCE MAIN WHILE HEAVY EQUIPMENT IS ON-SITE DURING WIDENING - COORDINATE WITH RWRA PERSONNEL.
  - 3.) NO HEAVY CONSTRUCTION EQUIPMENT (COMPACTION OR OTHERWISE) OVER FORCE MAIN.
  - 4.) NO CROSSING OF FORCE MAIN WITHOUT PROTECTION AND NOTIFICATION OF RWRA CONTACT PERSON MARK RHINERSON (270-302-0926 MOBILE) WITH A MINIMUM 24-HOUR NOTICE.

UTILITY RELOCATION  
 REGIONAL WATER RESOURCE AGENCY  
 WEST DAVIESS COUNTY WATER DISTRICT

PREPARED BY:  
**HRG PLLC**  
 SURVEYING & ENGINEERING  
 LAND DEVELOPMENT CONSULTANTS

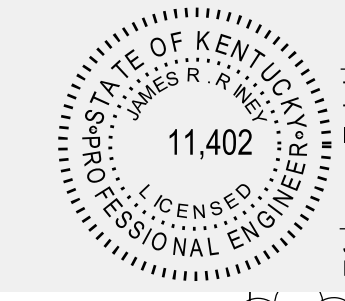
510 WEST SECOND STREET  
 OWENSBORO, KENTUCKY  
 (270) 683-7558 FAX (270) 683-9277  
 © 2017 HRG, PLLC



SCALE: 1"=50'

**ENGINEER'S CERTIFICATION**  
 THIS PLAN, PREPARED UNDER MY DIRECT SUPERVISION, IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF.

JAMES R. RINEY PE, PS  
 KY PROFESSIONAL ENGINEER NO. 11,402



MAINLINE KY 81  
 (WATER TRUNK LINE - SEWER FORCE MAIN)  
 STA 120+00 TO 131+80.00

FILE NAME: G:\ENGR\HD1215.08 DAVIESS CO ROUNDABOUT EXTENSION\PHASE 1\SUBMITTALS\CHECK PRINTS\DWG\RY7.DGN  
 USER: pnoward  
 DATE PLOTTED: December 15, 2017  
 E-SHEET NAME:  
 MicroStation v8.11.7.180



REVISED 3/21/2018

COUNTY OF	ITEM NO.	SHEET NO.
DAVIESS	2-8851.00	U7

WATER - SEWER PLANS

**WARNING**

THE CONTRACTOR SHALL USE EXTREME CARE WHENEVER WORKING NEAR GASLINES.

PI STA = 120+89.01  
 N 3801416.41  
 E 4511790.04  
 Delta = 2°21'14.90"  
 T = 205.47'  
 L = 410.87'  
 C = 0°34'23"  
 R = 10000.00'  
 E = 2.11'  
 e = 2.00%

ENT. LT. STA 127+48.51  
 POB STA. 47+96.59  
 X: 4512403.47  
 Y: 3801651.85

POE STA. 50+00.00  
 X: 4512448.56  
 Y: 3801453.5034

CAROLYN MASSIE FAMILY TRUST

BEARING & DISTANCE

1	S 84°24'34" W - 384.74'
2	S 5°35'26" E - 15.00'
3	S 84°24'34" W - 50.00'
4	N 5°35'26" W - 15.00'
5	S 84°24'34" W - 52.88'
6	S 12°07'44" E - 57.38'
7	S 84°24'34" W - 1015.41'

LOCATION	WIDTH	CONST. ENTRANCE TYPE	S.Y. PAVED	S.Y. CSB	PIPE
LT. 127+48.51	12'	ASPH./CSB (RES.)	73	118	NO PIPE
RT. 122+47.46	66'	ASPH. (COMM.)	76	-	NO PIPE
RT. 127+41.16	15'	ASPH. (RES.)	23	-	NO PIPE

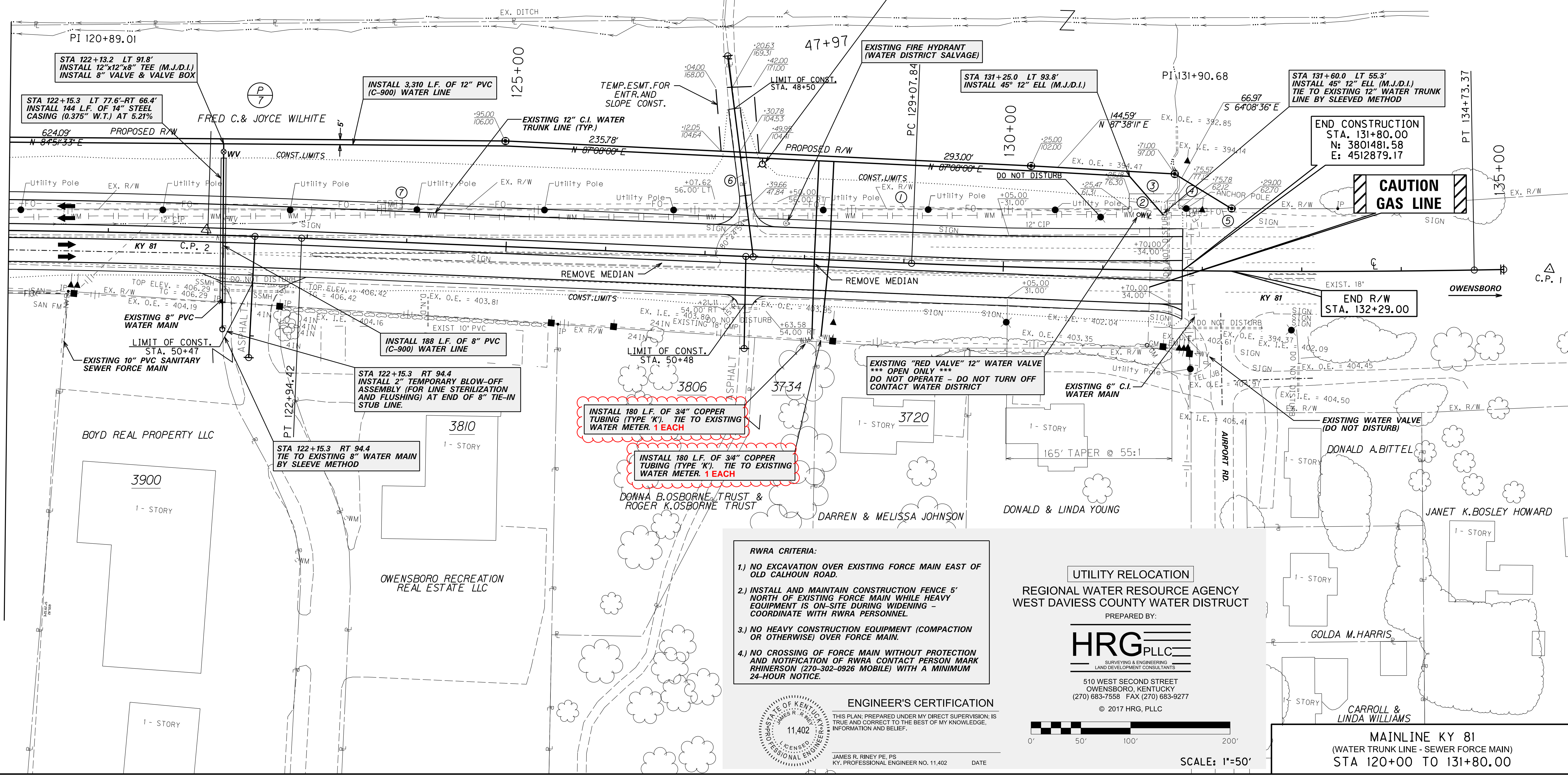
J.E. MASSIE FARM LLC  
C/O LARRY OBRYAN

PI STA = 131+90.68  
 N 3801478.37  
 E 4512890.03  
 Delta = 3°20'01.04"  
 T = 282.85'  
 L = 565.54'  
 R = 9720.00'  
 E = 4.11'  
 e = 2.00%

REMOVE MOUNTABLE MEDIAN

LOCATION	QTY	S.Y.
123+05 - 127+15	351	
127+67 - 131+69	559	

MATCHLINE STA. 120+00



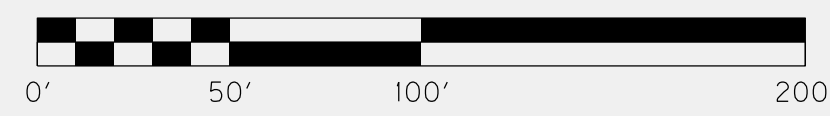
**CAUTION GAS LINE**

- RWRA CRITERIA:**
- NO EXCAVATION OVER EXISTING FORCE MAIN EAST OF OLD CALHOUN ROAD.
  - INSTALL AND MAINTAIN CONSTRUCTION FENCE 5' NORTH OF EXISTING FORCE MAIN WHILE HEAVY EQUIPMENT IS ON-SITE DURING WIDENING - COORDINATE WITH RWRA PERSONNEL.
  - NO HEAVY CONSTRUCTION EQUIPMENT (COMPACTION OR OTHERWISE) OVER FORCE MAIN.
  - NO CROSSING OF FORCE MAIN WITHOUT PROTECTION AND NOTIFICATION OF RWRA CONTACT PERSON MARK RHINERSON (270-302-0926 MOBILE) WITH A MINIMUM 24-HOUR NOTICE.

UTILITY RELOCATION  
 REGIONAL WATER RESOURCE AGENCY  
 WEST DAVIESS COUNTY WATER DISTRICT

PREPARED BY:  
**HRG PLLC**  
 SURVEYING & ENGINEERING  
 LAND DEVELOPMENT CONSULTANTS

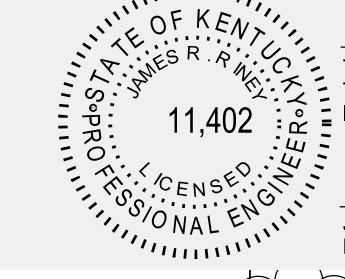
510 WEST SECOND STREET  
 OWENSBORO, KENTUCKY  
 (270) 683-7558 FAX (270) 683-9277  
 © 2017 HRG, PLLC



SCALE: 1"=50'

**ENGINEER'S CERTIFICATION**  
 THIS PLAN, PREPARED UNDER MY DIRECT SUPERVISION, IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF.

JAMES R. RINEY PE, PS  
 KY PROFESSIONAL ENGINEER NO. 11,402



**MAINLINE KY 81**  
 (WATER TRUNK LINE - SEWER FORCE MAIN)  
 STA 120+00 TO 131+80.00

FILE NAME: G:\ENGR\HD1215.08 DAVIESS CO ROUNDABOUT EXTENSION\PHASE 1\SUBMITTALS\CHECK PRINTS\DWG\RY7.DGN  
 USER: pnoward  
 DATE PLOTTED: December 15, 2017  
 E-SHEET NAME:  
 MicroStation v8.11.7.180