



**COMMONWEALTH OF KENTUCKY
TRANSPORTATION CABINET**
Frankfort, Kentucky 40622
www.transportation.ky.gov/

Matthew G. Bevin
Governor

Greg Thomas
Secretary

November 22, 2017

CALL NO. 106
CONTRACT ID NO. 171050
ADDENDUM # 1

Subject: Clay County, STP 6000 (112)
Letting December 8, 2017

- (1) Revised - Plan Sheet - GN1
- (2) Revised - Front Sheet
- (3) Revised - Bid Items - Pages 217-222(a) of 222

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

Plan revisions are available at <https://www.kytcplanroom.com/View/Default.aspx>

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

Sincerely,

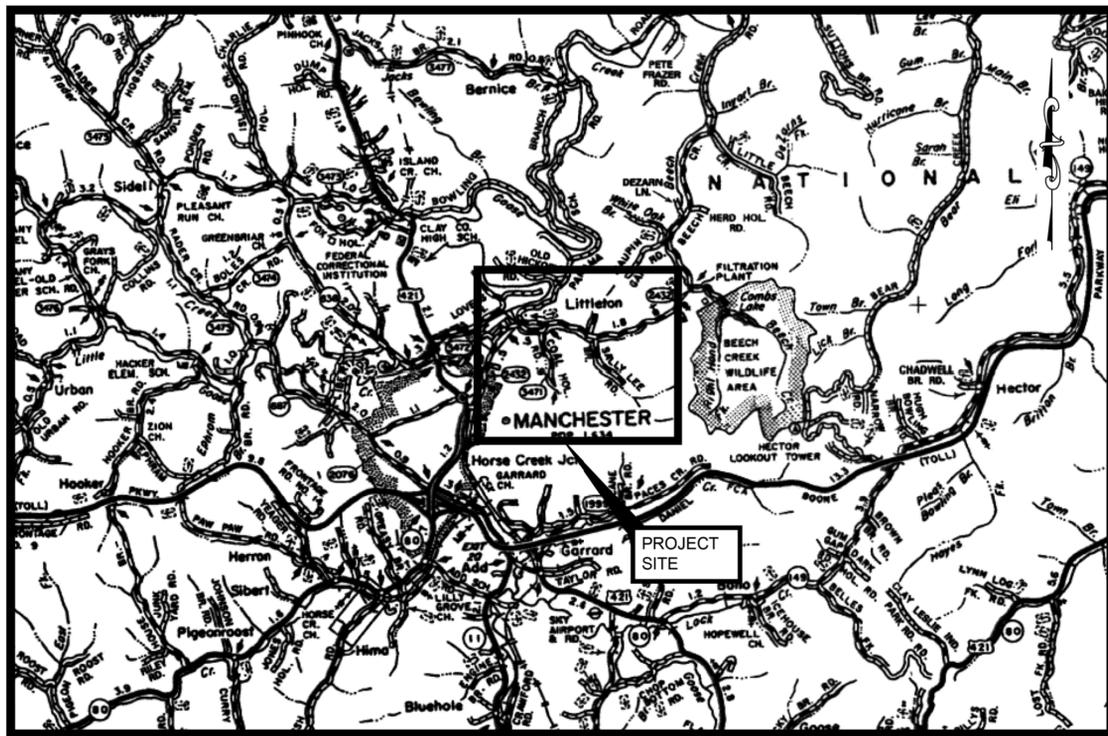
A handwritten signature in cursive script that reads "Rachel Mills".

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

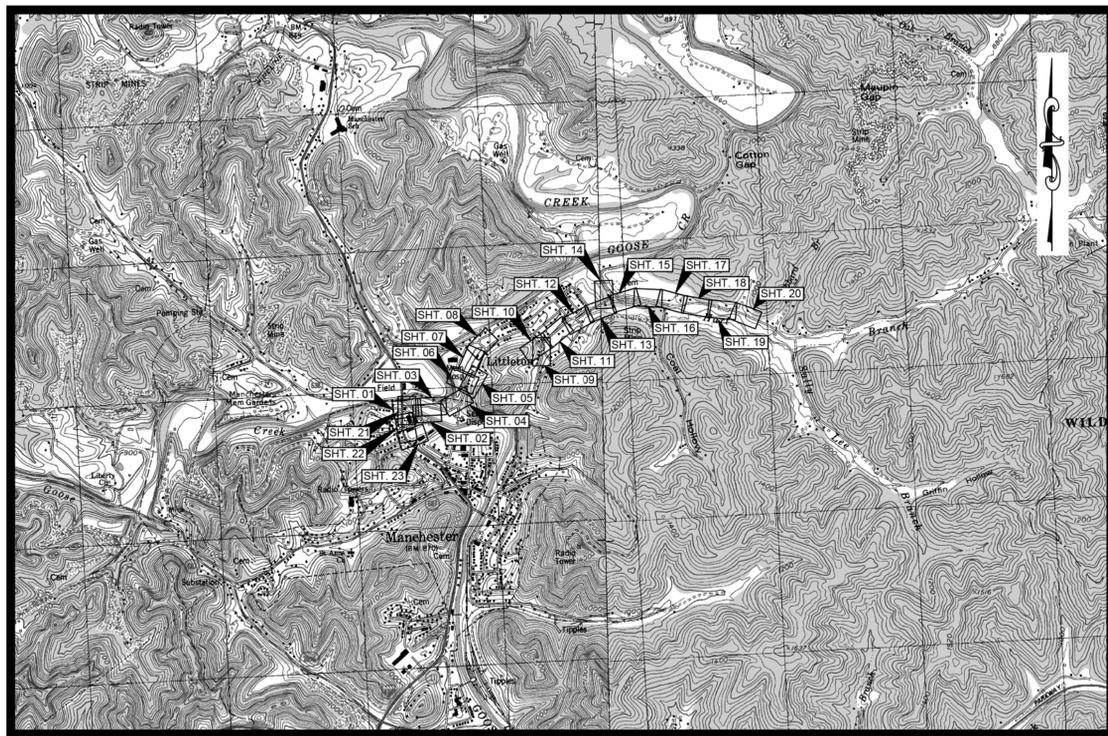
RM:ks
Enclosures



An Equal Opportunity Employer M/F/D



VICINITY MAP
SCALE: 1"=1 MILE



TOPOGRAPHIC MAP
SCALE: 1"=100'

GENERAL NOTES

- ALL WATER MAINS SHALL BE SDR-17 CL. 250, DR-14 UNLESS OTHERWISE NOTED ON THE PLANS.
- UNLESS OTHERWISE NOTED, A SEPARATE BID ITEM HAS NOT BEEN ESTABLISHED FOR FITTINGS. THE FITTINGS INVOLVED, BUT NOT LIMITED TO TEES, BENDS, PLUGS, REDUCERS, SADDLES, CROSSES, COUPLINGS, ETC. CONTRACTOR SHALL INCLUDE THE COST OF THESE ITEMS IN THE UNIT PRICE BID FOR THE PIPE.
- NO PAY ITEM FOR EXTRA TRENCH DEPTH HAS BEEN ESTABLISHED. CONTRACTOR SHALL INCLUDE THE COST OF THE ADDITIONAL DEPTH IN HIS UNIT PRICE WHEN THE WATER PIPE CROSSES UNDER AN EXISTING UTILITY, CULVERT, DRAINAGE DITCH, ROADWAY, ETC.
- FINAL LOCATION OF SERVICES, GATE VALVES AND OTHER APPURTENANCES ARE TO BE FIELD LOCATED DURING CONSTRUCTION AND APPROVED BY THE ENGINEER.
- EXISTING UTILITIES, ESPECIALLY GAS LINE AND OIL LINES, MAY BE CATHODICALLY PROTECTED. THEREFORE, DUCTILE IRON PIPE, FITTINGS, GATE VALVES, AND/OR BOXES LAID WITHIN 200' OF THESE LINES WITH CATHODIC PROTECTION SHALL MEET THE REQUIREMENTS OF AWWA C-105, LATEST REVISION. A SEPARATE PAY ITEM HAS NOT BEEN ESTABLISHED. ALL COST FOR LABOR AND MATERIALS MUST BE INCLUDED IN THE UNIT PRICE BID FOR PIPE.
- ALL DAMAGE TO EXISTING UTILITIES CAUSED BY THE CONTRACTOR'S OPERATION SHALL BE REPAIRED BY THE CONTRACTOR AT NO COST TO THE OWNER.
- ALL CONCRETE THRUST BLOCKS AND RESTRAINTS ARE NOT SHOWN ON THE DRAWINGS. HOWEVER, CONCRETE THRUST BLOCKS SHALL BE INSTALLED AT ALL BENDS, TEES, CROSSES, DEAD ENDS, ETC. THRUST BLOCKS SHALL BE SIZED ACCORDINGLY AS SHOWN ON THE CONCRETE THRUST BLOCK DETAIL. ANY ADDITIONAL THRUST BLOCKS REQUIRED SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE PIPE. THRUST BLOCK SHALL BE POURED IN PLACE READY MIX CONCRETE MIN. 3000 PSI.
- THE CONTRACTOR SHALL CONFINE ALL CONSTRUCTION ACTIVITY TO THE AREA WITHIN THE 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.
- SEPTIC SYSTEMS MAY BE LOCATED IN SOME AREAS. CONTRACTOR TO USE CAUTION IN THESE AREAS. WATER MAIN TO BE ENCASED IN CONCRETE WHEN LAID WITHIN 10' OF DRAIN LINES OR FIELD. SEE DETAILS AND NOTE ON STANDARD DETAIL SHEET. WHERE DRAIN LINES ARE ENCOUNTERED AND IT IS DETERMINED THAT THE LINES NEED TO BE CONCRETE ENCASED THE CONTRACTOR SHALL BE PAID AT THE UNIT PRICE BID FOR CONCRETE. NO OTHER ADDITIONAL COMPENSATION WILL BE APPROVED.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THE LOCATIONS OF ANY AND ALL UTILITIES ENCOUNTERED BY THE FINAL ALIGNMENT OF WATERLINE. THE CONTRACTOR SHALL USE CAUTION WHEN EXCAVATING AND SHALL TAKE THE NECESSARY MEASURES TO PROTECT THE EXISTING UTILITIES TO KEEP THEM IN SERVICE. IF UTILITIES ARE SHOWN, THE INFORMATION IS GENERAL IN NATURE AND NOT TO BE TAKEN AS RECORD DRAWINGS. CONTRACTOR SHALL CONTACT REPRESENTATIVES OF LOCAL UTILITIES A MINIMUM OF 48 HOURS BEFORE COMMENCING WORK ON THE PROJECT.
- THE CONTRACTOR SHALL OBTAIN ALL PERMITS AND GIVE ALL NOTICES REQUIRED FOR EXECUTION OF THE WORK. THE CONTRACTOR SHALL PAY FOR ALL PERMITS AND ANY APPLICABLE WATER SERVICE INSPECTION FEES.
- THE CONTRACTOR SHALL CONFIRM TO ALL LOCAL, STATE AND FEDERAL CODES AND RECEIVE APPROVAL WHERE NECESSARY PRIOR TO COMMENCEMENT OF THE WORK.
- ALL PIPING BENDS ARE NOT NECESSARILY SHOWN ON THE DRAWINGS. ADDITIONAL BENDS MAY BE NECESSARY TO CONFORM WITH ELEVATIONS SHOWN AND TO MAINTAIN ADEQUATE GROUND COVER. ANY ADDITIONAL BENDS REQUIRED SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE PIPE.
- THE ENGINEER RESERVES THE RIGHT TO MAKE MINOR FIELD ADJUSTMENTS IN THE WORK IN ORDER TO ACCOMPLISH THE INTENT OF THE DESIGN.
- WHERE KYTC RIGHT-OF-WAY LINES ARE INDICATED THE LOCATION IS APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE FINAL RIGHT-OF-WAY LINES.
- EFFORTS HAVE BEEN MADE TO INDICATE ACCURATE LOCATIONS OF 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 CONTRACTOR'S RESPONSIBILITY TO OBTAIN AND CONFIRM ALL DIMENSIONS AND ELEVATIONS OF EXISTING STRUCTURES AND TOPOGRAPHY IN THE FIELD NECESSARY FOR HIS CONSTRUCTION OPERATION.
- 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.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT ALL EXISTING UTILITY OWNERS AND HAVE THEM FIELD LOCATE THEIR EXISTING UTILITIES PRIOR TO ANY CONSTRUCTION ACTIVITIES.
- EXISTING UTILITIES DEPICTED IN THE CONSTRUCTION DRAWINGS WERE LOCATED FROM ACTUAL FIELD EVIDENCE, EXISTING UTILITY AGENCIES RECORDS OR OTHER AVAILABLE EVIDENCE. OTHER UTILITIES MAY EXIST AND NOT BE SHOWN OR MAY VARY FROM WHERE SHOWN. NO GUARANTEE IS EXPRESSED OR IMPLIED AS TO ACTUAL LOCATION OF UTILITIES SHOWN HEREON, BUT NOT VISIBLE FROM THE SURFACE.
- THE CONTRACTOR SHALL CONTACT AND OBTAIN THE PERMISSION OF THE OWNER 48 HOURS (MIN.) PRIOR TO ANY CONSTRUCTION ACTIVITY INTERRUPTING OPERATION OF THE DISTRIBUTION SYSTEM.
- UNLESS OTHERWISE NOTED, ALL BURIED PIPES SHALL HAVE 36" (MIN.) COVER AS MEASURED FROM FINISHED/PROPOSED GRADE TO THE OUTSIDE SURFACE OF THE PIPE.

- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO WORK ALL APPLICABLE DRAWINGS AND THE APPROPRIATE SPECIFICATIONS AS A UNIT. ANY OMISSIONS, DELETIONS, OR CONFLICTS 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.
- ANY CITY OF MANCHESTER FACILITIES DAMAGED BY THE CONTRACTOR OR HIS SUB-CONTRACTORS SHALL BE REPORTED TO THE CITY OF MANCHESTER AND REPAIRED IMMEDIATELY. DUE TO THE CRITICAL IMPORTANCE OF THESE LINES TO THE CITY'S SYSTEM, A BREAK OF ANY 8" OR GREATER NOT PUT BACK INTO SERVICE WITHIN 4 HOURS WILL BE SUBJECT TO DAMAGES IN THE AMOUNT OF \$200/HOUR. IF THE CONTRACTOR WILL BE UNABLE TO MEET THIS TIME FRAME, THE CITY MAY ELECT AT ANY TIME TO REPAIR THE LINE THEMSELVES. ALL ASSOCIATED COSTS WILL BE REIMBURSED BY THE CONTRACTOR IN ADDITION TO THE ABOVE DAMAGES.
- CONTRARY TO KYTC STANDARD SPECIFICATIONS ALL ABANDONED STRUCTURES INDICATED TO BE REMOVED, WHETHER INSIDE OR OUTSIDE OF TYPICAL SECTIONS, WILL NOT BE MEASURED FOR ADDITIONAL PAYMENT.

LEGEND

PROPOSED WATERLINE	— — —
EXISTING WATERLINE	— W —
METER SETTING	— — —
METER SETTING WITH PRV	— — —
PROPOSED GATE VALVE	— — —
EXISTING GATE VALVE	— — —
AUTOMATIC AIR RELEASE VALVE	— — —
FIRE HYDRANT / BLOWOFF HYDRANT	— — —
PROPERTY LINE	— — —
BLOWOFF ASSEMBLY	— — —
STREAM/POND	— — —
EXISTING SANITARY SEWER	— SS —
EXISTING GAS LINE	— G —
PLUG	— — —
FENCE	— X —
GAS LINE CAP	— — —

SHEET INDEX

GN1	GENERAL NOTES/LEGEND/SUMMARY OF QUANTITIES/ SHEET INDEX/VICINITY MAP/TOPOGRAPHIC MAP
1	STA. 50+19.10 TO STA. 54+00
2	STA. 50+19.10 TO STA. 54+00
3	STA. 54+00 TO STA. 60+00
4	STA. 66+00 TO STA. 72+00
5	STA. 60+00 TO STA. 66+00
6	STA. 44+70 TO STA. 50+00
7	STA. 44+70 TO STA. 50+00
8	STA. 44+70 TO STA. 50+00
9	STA. 48+50 TO STA. 53+60
10	STA. 84+00 TO STA. 90+00
11	STA. 90+00 TO STA. 96+00
12	STA. 96+00 TO STA. 102+00
13	STA. 102+00 TO STA. 108+00
14	STA. 45+00 TO STA. 50+00
15	STA. 108+00 TO STA. 114+00
16	STA. 114+00 TO STA. 120+00
17	STA. 120+00 TO STA. 126+00
18	STA. 126+00 TO STA. 132+00
19	STA. 132+00 TO STA. 138+00
20	STA. 138+00 TO STA. 141+00
21	STA. 48+44.64 TO STA. 53+00
22	STA. 53+00 TO STA. 56+00
23	STA. 48+50 TO STA. 53+00
GP1	GRAVITY SEWER PROFILE LINES "A" & "B"
GP2	GRAVITY SEWER PROFILE LINES "C" & "D"
LS1	LIFT STATION
CS1	CROSS SECTIONS
CS2	CROSS SECTIONS
CS3	CROSS SECTIONS
CS4	CROSS SECTIONS
CS5	CROSS SECTIONS
SD1	STANDARD DETAILS
SD2	STANDARD DETAILS
SD3	STANDARD DETAILS
SD4	STANDARD DETAILS
SD5	STANDARD DETAILS

**WATER & SEWER LINE RELOCATION PROJECT
CITY OF MANCHESTER
SUMMARY OF QUANTITIES**

PROPOSED ITEMS			
BID CODES	DESCRIPTION	UNIT	QUANTITY
14073	18" WATER LINE, HDPE	L.F.	1120
14039	12" WATER LINE, DUCTILE IRON CL. 350	L.F.	4690
14071	10" WATER LINE, HDPE	L.F.	2025
14037	8" WATER LINE, DUCTILE IRON CL. 350	L.F.	4870
14060	8" WATER LINE, SDR-17, CL. 250	L.F.	2000
14059	6" WATER LINE, SDR-17, CL. 250	L.F.	355
14080	SERVICE LINE	EACH	9
14016	24" STEEL CASING PIPE (OPEN CUT)	L.F.	1040
14126	24" HDPE CASING PIPE (DIRECTIONAL BORE)	L.F.	555
14009	16" STEEL CASING PIPE (OPEN CUT)	L.F.	185
14126	16" HDPE CASING PIPE (DIRECTIONAL BORE)	L.F.	865
14126	16" HDPE CASING PIPE (OPEN CUT)	L.F.	1030
14008	12" STEEL CASING PIPE (ROAD BORE)	L.F.	80
14014	12" STEEL CASING PIPE (OPEN CUT)	L.F.	315
14126	8" HDPE CASING PIPE (OPEN CUT)	L.F.	165
14126	4" HDPE CASING PIPE (DIRECTIONAL BORE)	L.F.	297
14126	2" HDPE CASING PIPE (DIRECTIONAL BORE)	L.F.	541
14108	12" GATE VALVE (WATER)	EA.	1
14106	8" GATE VALVE (WATER)	EA.	12
14028	PROPOSED WATER METER	EA.	9
14030	WATER METER RECONNECTION	EA.	1
14019	3 NOZZLE BLOWOFF HYDRANT	EA.	16
14003	CUT AND CAP EXISTING WATER LINE	EA.	2
14089	CONNECTION TO EXISTING WATER	EA.	11
14090	CONNECTION TO EXISTING WATER	EA.	4
14094	CONNECTION TO EXISTING 6" WATER	EA.	1
14095	CONNECTION TO EXISTING 8" WATER	EA.	5
14097	CONNECTION TO EXISTING 12" WATER	EA.	4
16015	2" GAS LINE, HDPE	L.F.	310
16110	1" GAS LINE, HDPE	L.F.	235
16057	2" VALVE (GAS)	EA.	4
16056	1" VALVE (GAS)	EA.	4
16049	CONNECTION TO EXISTING GAS LINE	EA.	2
16048	CONNECTION TO EXISTING GAS LINE	EA.	2
15112	8" GRAVITY SEWER LINE, SDR-35	L.F.	1252
15068	14" FORCE MAIN, HDPE	L.F.	305
15051	4" FORCE MAIN, HDPE	L.F.	185
15059	4" FORCE MAIN, SDR-21, CL. 200	L.F.	90
15092	PROPOSED MANHOLE	EACH	13
15119	PROPOSED LIFT STATION	EACH	1
15094	ADJUST EXISTING MANHOLE	EA.	15
15073	CONNECTION TO EXISTING 4" FORCE MAIN	EA.	1
14005	W ENCASEMENT CONCRETE	L.F.	500
21233ED	BITUMINOUS REPLACEMENT	L.F.	430
24441EC	GRAVEL REPLACEMENT	L.F.	130

- NOTES:**
- INCLUDES FENCING AS DETAILED ON SHEET SD5.
 - TO BE USED AS A CONTINGENCY FOR GENERAL NOTE 10.

BEFORE YOU DIG

The contractor is instructed to call 1-800-752-6007 to reach KY 811, the one-call system for information on the location of existing underground utilities. The call is to be placed a minimum of two (2) and no more than ten (10) business days prior to excavation. The contractor should be aware that owners of underground facilities are not required to be members of the KY 811 one-call Before-U-Dig (BU-D) service. The contractor must coordinate excavation with the utility owners, including those who do not subscribe to KY 811. It may be necessary for the contractor to contact the County Court Clerk to determine what utility companies have facilities in the area.

PROJECT: 412	DATE: 10/13/2017
SCALE: AS NOTED	
DESIGNED BY: MAB	
DRAWN BY: JH	
CHECKED BY: MAB	
RECORD DRAWINGS	

CT CANN-TECH, LLC
Engineers · Planners · Managers

1100 Glensboro Road
Lawrenceburg, KY 40342

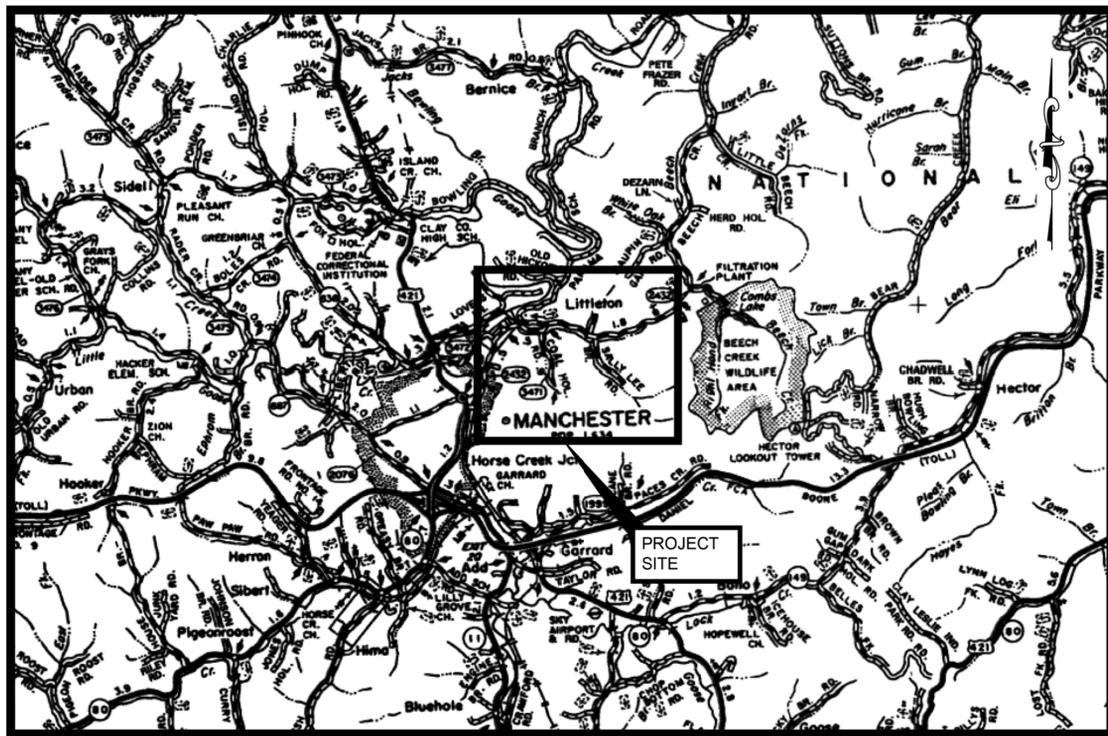
Phone (502) 859-0907
Fax (502) 859-0668



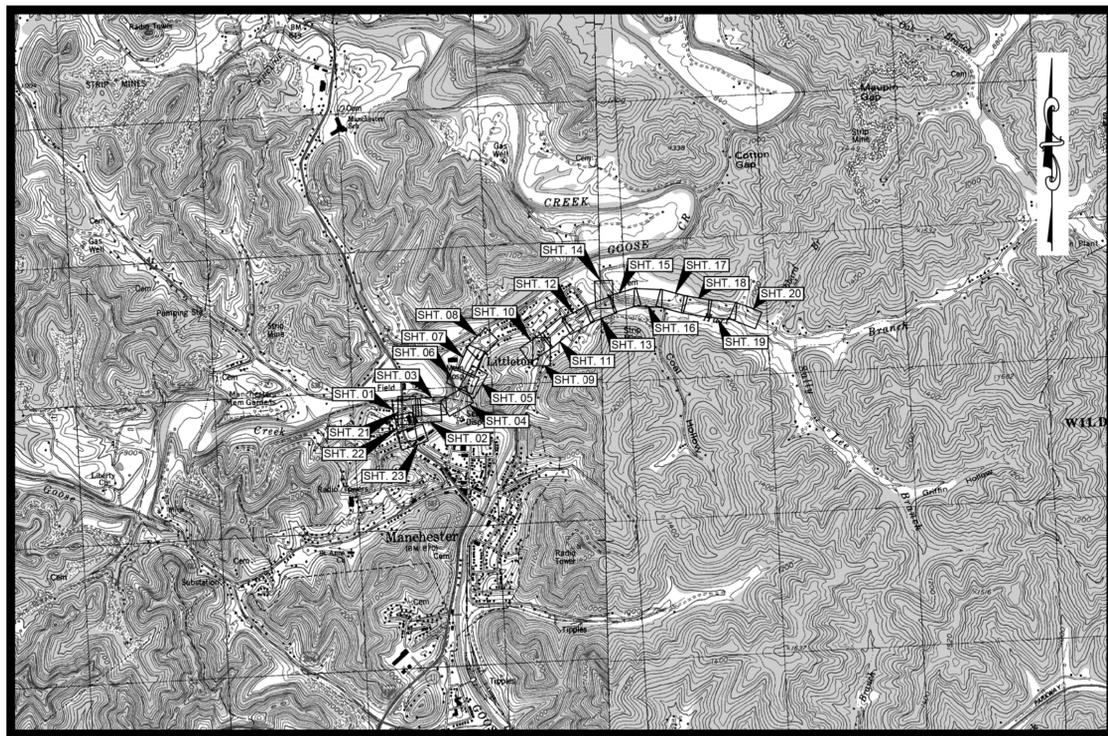
**WATER & SEWER LINE RELOCATION PROJECT
CITY OF MANCHESTER
CLAY COUNTY, KENTUCKY**

GENERAL NOTES/LEGEND/SUMMARY OF QUANTITIES/
SHEET INDEX/VICINITY MAP/TOPOGRAPHIC MAP

SHEET
GN1
OF
GN1



VICINITY MAP
SCALE: 1"=1 MILE



TOPOGRAPHIC MAP
SCALE: 1"=100'

GENERAL NOTES

- ALL WATER MAINS SHALL BE SDR-17 CL. 250, DR-14 UNLESS OTHERWISE NOTED ON THE PLANS.
- UNLESS OTHERWISE NOTED, A SEPARATE BID ITEM HAS NOT BEEN ESTABLISHED FOR FITTINGS. THE FITTINGS INVOLVED, BUT NOT LIMITED TO TEES, BENDS, PLUGS, REDUCERS, SADDLES, CROSSES, COUPLINGS, ETC. CONTRACTOR SHALL INCLUDE THE COST OF THESE ITEMS IN THE UNIT PRICE BID FOR THE PIPE.
- NO PAY ITEM FOR EXTRA TRENCH DEPTH HAS BEEN ESTABLISHED. CONTRACTOR SHALL INCLUDE THE COST OF THE ADDITIONAL DEPTH IN HIS UNIT PRICE WHEN THE WATER PIPE CROSSES UNDER AN EXISTING UTILITY, CULVERT, DRAINAGE DITCH, ROADWAY, ETC.
- FINAL LOCATION OF SERVICES, GATE VALVES AND OTHER APPURTENANCES ARE TO BE FIELD LOCATED DURING CONSTRUCTION AND APPROVED BY THE ENGINEER.
- EXISTING UTILITIES, ESPECIALLY GAS LINE AND OIL LINES, MAY BE CATHODICALLY PROTECTED. THEREFORE, DUCTILE IRON PIPE, FITTINGS, GATE VALVES, AND/OR BOXES LAID WITHIN 200' OF THESE LINES WITH CATHODIC PROTECTION SHALL MEET THE REQUIREMENTS OF AWWA C-105, LATEST REVISION. A SEPARATE PAY ITEM HAS NOT BEEN ESTABLISHED. ALL COST FOR LABOR AND MATERIALS MUST BE INCLUDED IN THE UNIT PRICE BID FOR PIPE.
- ALL DAMAGE TO EXISTING UTILITIES CAUSED BY THE CONTRACTOR'S OPERATION SHALL BE REPAIRED BY THE CONTRACTOR AT NO COST TO THE OWNER.
- ALL CONCRETE THRUST BLOCKS AND RESTRAINTS ARE NOT SHOWN ON THE DRAWINGS. HOWEVER, CONCRETE THRUST BLOCKS SHALL BE INSTALLED AT ALL BENDS, TEES, CROSSES, DEAD ENDS, ETC. THRUST BLOCKS SHALL BE SIZED ACCORDINGLY AS SHOWN ON THE CONCRETE THRUST BLOCK DETAIL. ANY ADDITIONAL THRUST BLOCKS REQUIRED SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE PIPE. THRUST BLOCK SHALL BE POURED IN PLACE READY MIX CONCRETE MIN. 3000 PSI.
- THE CONTRACTOR SHALL CONFINE ALL CONSTRUCTION ACTIVITY TO THE AREA WITHIN THE 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.
- SEPTIC SYSTEMS MAY BE LOCATED IN SOME AREAS. CONTRACTOR TO USE CAUTION IN THESE AREAS. WATER MAIN TO BE ENCASED IN CONCRETE WHEN LAID WITHIN 10' OF DRAIN LINES OR FIELD. SEE DETAILS AND NOTE ON STANDARD DETAIL SHEET. WHERE DRAIN LINES ARE ENCOUNTERED AND IT IS DETERMINED THAT THE LINES NEED TO BE CONCRETE ENCASED THE CONTRACTOR SHALL BE PAID AT THE UNIT PRICE BID FOR CONCRETE. NO OTHER ADDITIONAL COMPENSATION WILL BE APPROVED.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THE LOCATIONS OF ANY AND ALL UTILITIES ENCOUNTERED BY THE FINAL ALIGNMENT OF WATERLINE. THE CONTRACTOR SHALL USE CAUTION WHEN EXCAVATING AND SHALL TAKE THE NECESSARY MEASURES TO PROTECT THE EXISTING UTILITIES TO KEEP THEM IN SERVICE. IF UTILITIES ARE SHOWN, THE INFORMATION IS GENERAL IN NATURE AND NOT TO BE TAKEN AS RECORD DRAWINGS. CONTRACTOR SHALL CONTACT REPRESENTATIVES OF LOCAL UTILITIES A MINIMUM OF 48 HOURS BEFORE COMMENCING WORK ON THE PROJECT.
- THE CONTRACTOR SHALL OBTAIN ALL PERMITS AND GIVE ALL NOTICES REQUIRED FOR EXECUTION OF THE WORK. THE CONTRACTOR SHALL PAY FOR ALL PERMITS AND ANY APPLICABLE WATER SERVICE INSPECTION FEES.
- THE CONTRACTOR SHALL CONFIRM TO ALL LOCAL, STATE AND FEDERAL CODES AND RECEIVE APPROVAL WHERE NECESSARY PRIOR TO COMMENCEMENT OF THE WORK.
- ALL PIPING BENDS ARE NOT NECESSARILY SHOWN ON THE DRAWINGS. ADDITIONAL BENDS MAY BE NECESSARY TO CONFORM WITH ELEVATIONS SHOWN AND TO MAINTAIN ADEQUATE GROUND COVER. ANY ADDITIONAL BENDS REQUIRED SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE PIPE.
- THE ENGINEER RESERVES THE RIGHT TO MAKE MINOR FIELD ADJUSTMENTS IN THE WORK IN ORDER TO ACCOMPLISH THE INTENT OF THE DESIGN.
- WHERE KYTC RIGHT-OF-WAY LINES ARE INDICATED THE LOCATION IS APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE FINAL RIGHT-OF-WAY LINES.
- EFFORTS HAVE BEEN MADE TO INDICATE ACCURATE LOCATIONS OF 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 CONTRACTOR'S RESPONSIBILITY TO OBTAIN AND CONFIRM ALL DIMENSIONS AND ELEVATIONS OF EXISTING STRUCTURES AND TOPOGRAPHY IN THE FIELD NECESSARY FOR HIS CONSTRUCTION OPERATION.
- 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.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT ALL EXISTING UTILITY OWNERS AND HAVE THEM FIELD LOCATE THEIR EXISTING UTILITIES PRIOR TO ANY CONSTRUCTION ACTIVITIES.
- EXISTING UTILITIES DEPICTED IN THE CONSTRUCTION DRAWINGS WERE LOCATED FROM ACTUAL FIELD EVIDENCE, EXISTING UTILITY AGENCIES RECORDS OR OTHER AVAILABLE EVIDENCE. OTHER UTILITIES MAY EXIST AND NOT BE SHOWN OR MAY VARY FROM WHERE SHOWN. NO GUARANTEE IS EXPRESSED OR IMPLIED AS TO ACTUAL LOCATION OF UTILITIES SHOWN HEREON, BUT NOT VISIBLE FROM THE SURFACE.
- THE CONTRACTOR SHALL CONTACT AND OBTAIN THE PERMISSION OF THE OWNER 48 HOURS (MIN.) PRIOR TO ANY CONSTRUCTION ACTIVITY INTERRUPTING OPERATION OF THE DISTRIBUTION SYSTEM.
- UNLESS OTHERWISE NOTED, ALL BURIED PIPES SHALL HAVE 36" (MIN.) COVER AS MEASURED FROM FINISHED/PROPOSED GRADE TO THE OUTSIDE SURFACE OF THE PIPE.

- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO WORK ALL APPLICABLE DRAWINGS AND THE APPROPRIATE SPECIFICATIONS AS A UNIT. ANY OMISSIONS, DELETIONS, OR CONFLICTS 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.
- ANY CITY OF MANCHESTER FACILITIES DAMAGED BY THE CONTRACTOR OR HIS SUB-CONTRACTORS SHALL BE REPORTED TO THE CITY OF MANCHESTER AND REPAIRED IMMEDIATELY. DUE TO THE CRITICAL IMPORTANCE OF THESE LINES TO THE CITY'S SYSTEM, A BREAK OF ANY 8" OR GREATER NOT PUT BACK INTO SERVICE WITHIN 4 HOURS WILL BE SUBJECT TO DAMAGES IN THE AMOUNT OF \$200/HOUR. IF THE CONTRACTOR WILL BE UNABLE TO MEET THIS TIME FRAME, THE CITY MAY ELECT AT ANY TIME TO REPAIR THE LINE THEMSELVES. ALL ASSOCIATED COSTS WILL BE REIMBURSED BY THE CONTRACTOR IN ADDITION TO THE ABOVE DAMAGES.
- CONTRARY TO KYTC STANDARD SPECIFICATIONS ALL ABANDONED STRUCTURES INDICATED TO BE REMOVED, WHETHER INSIDE OR OUTSIDE OF TYPICAL SECTIONS, WILL NOT BE MEASURED FOR ADDITIONAL PAYMENT.

LEGEND

PROPOSED WATERLINE	— — —
EXISTING WATERLINE	— W —
METER SETTING	— — —
METER SETTING WITH PRV	— — —
PROPOSED GATE VALVE	— — —
EXISTING GATE VALVE	— — —
AUTOMATIC AIR RELEASE VALVE	— — —
FIRE HYDRANT / BLOWOFF HYDRANT	— — —
PROPERTY LINE	— — —
BLOWOFF ASSEMBLY	— — —
STREAM/POND	— — —
EXISTING SANITARY SEWER	— SS —
EXISTING GAS LINE	— G —
PLUG	— — —
FENCE	— X —
GAS LINE CAP	— — —

SHEET INDEX

GN1	GENERAL NOTES/LEGEND/SUMMARY OF QUANTITIES/ SHEET INDEX/VICINITY MAP/TOPOGRAPHIC MAP
1	STA. 50+19.10 TO STA. 54+00
2	STA. 50+19.10 TO STA. 54+00
3	STA. 54+00 TO STA. 60+00
4	STA. 66+00 TO STA. 72+00
5	STA. 60+00 TO STA. 66+00
6	STA. 44+70 TO STA. 50+00
7	STA. 44+70 TO STA. 50+00
8	STA. 44+70 TO STA. 50+00
9	STA. 48+50 TO STA. 53+60
10	STA. 84+00 TO STA. 90+00
11	STA. 90+00 TO STA. 96+00
12	STA. 96+00 TO STA. 102+00
13	STA. 102+00 TO STA. 108+00
14	STA. 45+00 TO STA. 50+00
15	STA. 108+00 TO STA. 114+00
16	STA. 114+00 TO STA. 120+00
17	STA. 120+00 TO STA. 126+00
18	STA. 126+00 TO STA. 132+00
19	STA. 132+00 TO STA. 138+00
20	STA. 138+00 TO STA. 141+00
21	STA. 48+44.64 TO STA. 53+00
22	STA. 53+00 TO STA. 56+00
23	STA. 48+50 TO STA. 53+00
GP1	GRAVITY SEWER PROFILE LINES "A" & "B"
GP2	GRAVITY SEWER PROFILE LINES "C" & "D"
LS1	LIFT STATION
CS1	CROSS SECTIONS
CS2	CROSS SECTIONS
CS3	CROSS SECTIONS
CS4	CROSS SECTIONS
CS5	CROSS SECTIONS
SD1	STANDARD DETAILS
SD2	STANDARD DETAILS
SD3	STANDARD DETAILS
SD4	STANDARD DETAILS
SD5	STANDARD DETAILS

**WATER & SEWER LINE RELOCATION PROJECT
CITY OF MANCHESTER
SUMMARY OF QUANTITIES**

PROPOSED ITEMS			
BID CODES	DESCRIPTION	UNIT	QUANTITY
14073	18" WATER LINE, HDPE	L.F.	1120
14039	12" WATER LINE, DUCTILE IRON CL. 350	L.F.	4690
14071	10" WATER LINE, HDPE	L.F.	2025
14037	8" WATER LINE, DUCTILE IRON CL. 350	L.F.	4870
14060	8" WATER LINE, SDR-17, CL. 250	L.F.	2000
14059	6" WATER LINE, SDR-17, CL. 250	L.F.	355
14080	SERVICE LINE	EACH	9
14016	24" STEEL CASING PIPE (OPEN CUT)	L.F.	1040
14126	24" HDPE CASING PIPE (DIRECTIONAL BORE)	L.F.	555
14009	16" STEEL CASING PIPE (OPEN CUT)	L.F.	185
14126	16" HDPE CASING PIPE (DIRECTIONAL BORE)	L.F.	865
14126	16" HDPE CASING PIPE (OPEN CUT)	L.F.	1030
14008	12" STEEL CASING PIPE (ROAD BORE)	L.F.	80
14014	12" STEEL CASING PIPE (OPEN CUT)	L.F.	315
14126	8" HDPE CASING PIPE (OPEN CUT)	L.F.	165
14126	4" HDPE CASING PIPE (DIRECTIONAL BORE)	L.F.	297
14126	2" HDPE CASING PIPE (DIRECTIONAL BORE)	L.F.	541
14108	12" GATE VALVE (WATER)	EA.	1
14106	8" GATE VALVE (WATER)	EA.	12
14028	PROPOSED WATER METER	EA.	9
14030	WATER METER RECONNECTION	EA.	1
14019	3 NOZZLE BLOWOFF HYDRANT	EA.	16
14003	CUT AND CAP EXISTING WATER LINE	EA.	2
14089	CONNECTION TO EXISTING WATER	EA.	11
14090	CONNECTION TO EXISTING WATER	EA.	4
14094	CONNECTION TO EXISTING 6" WATER	EA.	1
14095	CONNECTION TO EXISTING 8" WATER	EA.	5
14097	CONNECTION TO EXISTING 12" WATER	EA.	4
16015	2" GAS LINE, HDPE	L.F.	310
16110	1" GAS LINE, HDPE	L.F.	235
16057	2" VALVE (GAS)	EA.	4
16056	1" VALVE (GAS)	EA.	4
16049	CONNECTION TO EXISTING GAS LINE	EA.	2
16048	CONNECTION TO EXISTING GAS LINE	EA.	2
15112	8" GRAVITY SEWER LINE, SDR-35	L.F.	1252
15068	14" FORCE MAIN, HDPE	L.F.	305
15051	4" FORCE MAIN, HDPE	L.F.	185
15059	4" FORCE MAIN, SDR-21, CL. 200	L.F.	90
15092	PROPOSED MANHOLE	EACH	13
15119	PROPOSED LIFT STATION	EACH	1
15094	ADJUST EXISTING MANHOLE	EA.	15
15073	CONNECTION TO EXISTING 4" FORCE MAIN	EA.	1
14005	W ENCASEMENT CONCRETE	L.F.	500
21233ED	BITUMINOUS REPLACEMENT	L.F.	430
24441EC	GRAVEL REPLACEMENT	L.F.	130

- NOTES:**
- INCLUDES FENCING AS DETAILED ON SHEET SD5.
 - TO BE USED AS A CONTINGENCY FOR GENERAL NOTE 10.

BEFORE YOU DIG

The contractor is instructed to call 1-800-752-6007 to reach KY 811, the one-call system for information on the location of existing underground utilities. The call is to be placed a minimum of two (2) and no more than ten (10) business days prior to excavation. The contractor should be aware that owners of underground facilities are not required to be members of the KY 811 one-call Before-U-Dig (BU-DIG) service. The contractor must coordinate excavation with the utility owners, including those whom do not subscribe to KY 811. It may be necessary for the contractor to contact the County Court Clerk to determine what utility companies have facilities in the area.

PROJECT: 412	DATE: 10/13/2017
SCALE: AS NOTED	
DESIGNED BY: MAB	
DRAWN BY: JH	
CHECKED BY: MAB	
RECORD DRAWINGS	

CT CANN-TECH, LLC
Engineers · Planners · Managers

1100 Glensboro Road
Lawrenceburg, KY 40342

Phone (502) 859-0907
Fax (502) 859-0668



**WATER & SEWER LINE RELOCATION PROJECT
CITY OF MANCHESTER
CLAY COUNTY, KENTUCKY**

GENERAL NOTES/LEGEND/SUMMARY OF QUANTITIES/
SHEET INDEX/VICINITY MAP/TOPOGRAPHIC MAP

SHEET
GN1
OF
GN1



CALL NO. 106

CONTRACT ID. 171050

CLAY COUNTY

FED/STATE PROJECT NUMBER STP 6000 (112)

DESCRIPTION MEMORIAL DRIVE (KY-2432)

WORK TYPE GRADE, DRAIN & SURFACE WITH BRIDGE

PRIMARY COMPLETION DATE 7/30/2019

LETTING DATE: December 08,2017

Sealed Bids will be received electronically through the Bid Express bidding service until 10:00 AM EASTERN STANDARD TIME December 08,2017. Bids will be publicly announced at 10:00 AM EASTERN STANDARD TIME.

PLANS AVAILABLE FOR THIS PROJECT.

DBE CERTIFICATION REQUIRED - 3.90%

REQUIRED BID PROPOSAL GUARANTY: Not less than 5% of the total bid.

PROPOSAL BID ITEMS

REVISED ADDENDUM #1: 11-22-17

Page 1 of 7

171050

Report Date 11/22/17

Section: 0001 - PAVING

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0010	00003		CRUSHED STONE BASE	22,680.00	TON		\$	
0020	00020		TRAFFIC BOUND BASE	500.00	TON		\$	
0030	00100		ASPHALT SEAL AGGREGATE	59.00	TON		\$	
0040	00103		ASPHALT SEAL COAT	8.00	TON		\$	
0050	00190		LEVELING & WEDGING PG64-22	328.00	TON		\$	
0060	00212		CL2 ASPH BASE 1.00D PG64-22	15,185.00	TON		\$	
0070	00301		CL2 ASPH SURF 0.38D PG64-22	4,760.00	TON		\$	
0080	02101		CEM CONC ENT PAVEMENT-8 IN	359.00	SQYD		\$	
0090	24780EC		INTELLIGENT COMPACTION FOR AGGREGATE	42,953.00	TON		\$	
0100	24781EC		INTELLIGENT COMPACTION FOR ASPHALT	42,953.00	TON		\$	
0110	24891EC		PAVE MOUNT INFRARED TEMP EQUIPMENT	545,967.00	SF		\$	
0120	24966EC		RUBBER PAVEMENT 0.5 IN	847.00	SQYD		\$	

Section: 0002 - ROADWAY

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0390	00078		CRUSHED AGGREGATE SIZE NO 2	1,037.00	TON		\$	
0400	01000		PERFORATED PIPE-4 IN	1,463.00	LF		\$	
0410	01005		PERFORATED PIPE EDGE DRAIN-4 IN	7,978.00	LF		\$	
0420	01006		PERFORATED PIPE EDGE DRAIN-6 IN	572.00	LF		\$	
0430	01010		NON-PERFORATED PIPE-4 IN	469.00	LF		\$	
0440	01015		INSPECT & CERTIFY EDGE DRAIN SYSTEM	1.00	LS		\$	
0450	01020		PERF PIPE HEADWALL TY 1-4 IN	19.00	EACH		\$	
0460	01022		PERF PIPE HEADWALL TY 1-8 IN	8.00	EACH		\$	
0470	01028		PERF PIPE HEADWALL TY 3-4 IN	8.00	EACH		\$	
0480	01740		CORED HOLE DRAINAGE BOX CON-4 IN	55.00	EACH		\$	
0490	01741		CORED HOLE DRAINAGE BOX CON-6 IN	1.00	EACH		\$	
0500	01810		STANDARD CURB AND GUTTER	13,096.00	LF		\$	
0510	01875		STANDARD HEADER CURB	1,080.00	LF		\$	
0520	01987		DELINEATOR FOR GUARDRAIL BI DIRECTIONAL WHITE	72.00	EACH		\$	
0530	02014		BARRICADE-TYPE III	30.00	EACH		\$	
0540	02091		REMOVE PAVEMENT	8,057.00	SQYD		\$	
0550	02159		TEMP DITCH	4,513.00	LF		\$	
0560	02160		CLEAN TEMP DITCH	2,256.00	LF		\$	
0570	02165		REMOVE PAVED DITCH	12.00	SQYD		\$	
0580	02200		ROADWAY EXCAVATION	930,485.00	CUYD		\$	
0590	02242		WATER	342.00	MGAL		\$	
0600	02351		GUARDRAIL-STEEL W BEAM-S FACE	5,912.50	LF		\$	
0610	02360		GUARDRAIL TERMINAL SECTION NO 1	14.00	EACH		\$	
0620	02363		GUARDRAIL CONNECTOR TO BRIDGE END TY A	3.00	EACH		\$	
0630	02371		GUARDRAIL END TREATMENT TYPE 7	3.00	EACH		\$	
0640	02381		REMOVE GUARDRAIL	433.00	LF		\$	
0650	02391		GUARDRAIL END TREATMENT TYPE 4A	11.00	EACH		\$	
0660	02429		RIGHT-OF-WAY MONUMENT TYPE 1	121.00	EACH		\$	

PROPOSAL BID ITEMS

REVISED ADDENDUM #1: 11-22-17

171050

Page 2 of 7

Report Date 11/22/17

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0670	02432		WITNESS POST	3.00	EACH		\$	
0680	02482		CHANNEL LINING CLASS IA	68.00	TON		\$	
0690	02488		CHANNEL LINING CLASS IV	5,563.00	CUYD		\$	
0700	02545		CLEARING AND GRUBBING 49 ACRES	1.00	LS		\$	
0710	02551		CONCRETE-CLASS A FOR STEPS	2.20	CUYD		\$	
0720	02562		TEMPORARY SIGNS	3,445.00	SQFT		\$	
0730	02598		FABRIC-GEOTEXTILE TYPE III	900.00	SQYD		\$	
0740	02599		FABRIC-GEOTEXTILE TYPE IV	52,556.00	SQYD		\$	
0750	02600		FABRIC GEOTEXTILE TY IV FOR PIPE	12,487.00	SQYD	\$2.00	\$	\$24,974.00
0760	02611		HANDRAIL-TYPE A-1	22.00	LF		\$	
0770	02650		MAINTAIN & CONTROL TRAFFIC	1.00	LS		\$	
0780	02651		DIVERSIONS (BY-PASS DETOURS) DIVERSION #1	1.00	LS		\$	
0790	02651		DIVERSIONS (BY-PASS DETOURS) DIVERSION #2	1.00	LS		\$	
0800	02671		PORTABLE CHANGEABLE MESSAGE SIGN	4.00	EACH		\$	
0810	02676		MOBILIZATION FOR MILL & TEXT	1.00	LS		\$	
0820	02677		ASPHALT PAVE MILLING & TEXTURING	477.00	TON		\$	
0830	02701		TEMP SILT FENCE	4,513.00	LF		\$	
0840	02703		SILT TRAP TYPE A	49.00	EACH		\$	
0850	02704		SILT TRAP TYPE B	49.00	EACH		\$	
0860	02705		SILT TRAP TYPE C	49.00	EACH		\$	
0870	02706		CLEAN SILT TRAP TYPE A	49.00	EACH		\$	
0880	02707		CLEAN SILT TRAP TYPE B	49.00	EACH		\$	
0890	02708		CLEAN SILT TRAP TYPE C	49.00	EACH		\$	
0900	02720		SIDEWALK-4 IN CONCRETE	7,085.00	SQYD		\$	
0910	02721		REMOVE CONCRETE SIDEWALK	84.00	SQYD		\$	
0920	02726		STAKING	1.00	LS		\$	
0930	02731		REMOVE STRUCTURE COAL HOLLOW RD. BRIDGE	1.00	LS		\$	
0940	02731		REMOVE STRUCTURE GOOSE CREEK BRIDGE	1.00	LS		\$	
0950	02731		REMOVE STRUCTURE KY 2432 HART BRANCH BRIDGE	1.00	LS		\$	
0960	02775		ARROW PANEL	2.00	EACH		\$	
0970	05950		EROSION CONTROL BLANKET	38,917.00	SQYD		\$	
0980	05952		TEMP MULCH	158,155.00	SQYD		\$	
0990	05953		TEMP SEEDING AND PROTECTION	118,616.00	SQYD		\$	
1000	05963		INITIAL FERTILIZER	2.00	TON		\$	
1010	05964		20-10-10 FERTILIZER	10.60	TON		\$	
1020	05985		SEEDING AND PROTECTION	146,640.00	SQYD		\$	
1030	05990		SODDING	18,555.00	SQYD		\$	
1040	05992		AGRICULTURAL LIMESTONE	91.00	TON		\$	
1050	06510		PAVE STRIPING-TEMP PAINT-4 IN	50,249.00	LF		\$	
1060	06514		PAVE STRIPING-PERM PAINT-4 IN	50,249.00	LF		\$	
1070	06566		PAVE MARKING-THERMO X-WALK-12 IN	1,510.00	LF		\$	
1080	06568		PAVE MARKING-THERMO STOP BAR-24IN	322.00	LF		\$	
1090	06569		PAVE MARKING-THERMO CROSS-HATCH	648.00	SQFT		\$	
1100	06574		PAVE MARKING-THERMO CURV ARROW	19.00	EACH		\$	
1110	10020NS		FUEL ADJUSTMENT	232,797.00	DOLL	\$1.00	\$	\$232,797.00
1120	10030NS		ASPHALT ADJUSTMENT	76,472.00	DOLL	\$1.00	\$	\$76,472.00

PROPOSAL BID ITEMS

REVISED ADDENDUM #1: 11-22-17

171050

Page 3 of 7

Report Date 11/22/17

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1130	20206EC		PAVE MARK HANDICAP SYMBOL	7.00	EACH		\$	
1140	20430ED		SAW CUT	2,326.00	LF		\$	
1150	23158ES505		DETECTABLE WARNINGS	875.00	SQFT		\$	
1160	24489EC		INLAID PAVEMENT MARKER	51.00	EACH		\$	
1170	24540		R/W MONUMENT TYPE 3	11.00	EACH		\$	
1180	24805ED		OBJECT MARKER TYPE 4	3.00	EACH		\$	
1190	24955ED		REMOVE SIGNAL EQUIPMENT	1.00	EACH		\$	

Section: 0003 - DRAINAGE

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1200	00440		ENTRANCE PIPE-15 IN	207.00	LF		\$	
1210	00441		ENTRANCE PIPE-18 IN	274.00	LF		\$	
1220	00443		ENTRANCE PIPE-24 IN	254.00	LF		\$	
1230	00461		CULVERT PIPE-15 IN	84.00	LF		\$	
1240	00462		CULVERT PIPE-18 IN	95.00	LF		\$	
1250	00464		CULVERT PIPE-24 IN	460.00	LF		\$	
1260	00466		CULVERT PIPE-30 IN	178.00	LF		\$	
1270	00468		CULVERT PIPE-36 IN	332.00	LF		\$	
1280	00469		CULVERT PIPE-42 IN	52.00	LF		\$	
1290	00470		CULVERT PIPE-48 IN	80.00	LF		\$	
1300	00521		STORM SEWER PIPE-15 IN	2,355.00	LF		\$	
1310	00522		STORM SEWER PIPE-18 IN	1,726.00	LF		\$	
1320	00524		STORM SEWER PIPE-24 IN	735.00	LF		\$	
1330	01202		PIPE CULVERT HEADWALL-15 IN	4.00	EACH		\$	
1340	01204		PIPE CULVERT HEADWALL-18 IN	9.00	EACH		\$	
1350	01208		PIPE CULVERT HEADWALL-24 IN	7.00	EACH		\$	
1360	01210		PIPE CULVERT HEADWALL-30 IN	2.00	EACH		\$	
1370	01212		PIPE CULVERT HEADWALL-36 IN	4.00	EACH		\$	
1380	01216		PIPE CULVERT HEADWALL-48 IN	2.00	EACH		\$	
1390	01396		METAL END SECTION TY 3-42 IN	2.00	EACH		\$	
1400	01410		METAL END SECTION TY 4-15 IN	1.00	EACH		\$	
1410	01432		SLOPED BOX OUTLET TYPE 1-15 IN	3.00	EACH		\$	
1420	01433		SLOPED BOX OUTLET TYPE 1-18 IN	2.00	EACH		\$	
1430	01434		SLOPED BOX OUTLET TYPE 1-24 IN	1.00	EACH		\$	
1440	01450		S & F BOX INLET-OUTLET-18 IN	1.00	EACH		\$	
1450	01451		S & F BOX INLET-OUTLET-24 IN	3.00	EACH		\$	
1460	01452		S & F BOX INLET-OUTLET-30 IN	2.00	EACH		\$	
1470	01456		CURB BOX INLET TYPE A	50.00	EACH		\$	
1480	01496		DROP BOX INLET TYPE 3	2.00	EACH		\$	
1490	01577		DROP BOX INLET TYPE 14	6.00	EACH		\$	
1500	20098NC		CAP BOX INLET	1.00	EACH		\$	
1510	24575ES610		HEADWALL 3X36	2.00	EACH		\$	
1520	24814EC		PIPELINE INSPECTION	4,438.00	LF		\$	

Section: 0004 - BRIDGE-GOOSE CREEK - DRAWING #27581

PROPOSAL BID ITEMS

REVISED ADDENDUM #1: 11-22-17

171050

Page 4 of 7

Report Date 11/22/17

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1530	02231		STRUCTURE GRANULAR BACKFILL	250.00	CUYD		\$	
1540	02998		MASONRY COATING	957.20	SQYD		\$	
1550	03299		ARMORED EDGE FOR CONCRETE	93.00	LF		\$	
1560	08001		STRUCTURE EXCAVATION-COMMON	134.00	CUYD		\$	
1570	08019		CYCLOPEAN STONE RIP RAP	2,065.00	TON		\$	
1580	08033		TEST PILES	48.00	LF		\$	
1590	08039		PRE-DRILLING FOR PILES	70.00	LF		\$	
1600	08050		PILES-STEEL HP14X73	225.00	LF		\$	
1610	08095		PILE POINTS-14 IN	14.00	EACH		\$	
1620	08100		CONCRETE-CLASS A	276.60	CUYD		\$	
1630	08104		CONCRETE-CLASS AA	655.70	CUYD		\$	
1640	08150		STEEL REINFORCEMENT	66,405.00	LB		\$	
1650	08151		STEEL REINFORCEMENT-EPOXY COATED	108,849.00	LB		\$	
1660	08633		PRECAST PC I BEAM TYPE 3	968.00	LF		\$	
1670	08635		PRECAST PC I BEAM TYPE 6	873.00	LF		\$	
1680	20637ED		DRILLED SHAFT-ROCK 48 IN	60.00	LF		\$	
1690	21119ED		CONCRETE FORM LINER	732.00	SQYD		\$	
1700	21777EN		DRILLED SHAFT COMMON-54 IN	86.00	LF		\$	
1710	23168ED		CONCRETE STAINING	937.00	SQYD		\$	
1720	23813EC		DECK DRAIN	22.00	EACH		\$	

Section: 0005 - BRIDGE-CULVERT-HART BRANCH - DRAWING #27582

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1730	08001		STRUCTURE EXCAVATION-COMMON	894.00	CUYD		\$	
1740	08002		STRUCTURE EXCAV-SOLID ROCK	277.00	CUYD		\$	
1750	08100		CONCRETE-CLASS A	1,410.00	CUYD		\$	
1760	08150		STEEL REINFORCEMENT	127,845.00	LB		\$	

Section: 0006 - BRIDGE-CULVERT-COAL HOLLOW - DRAWING #27583

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1770	08001		STRUCTURE EXCAVATION-COMMON	432.00	CUYD		\$	
1780	08002		STRUCTURE EXCAV-SOLID ROCK	161.00	CUYD		\$	
1790	08100		CONCRETE-CLASS A	423.00	CUYD		\$	
1800	08150		STEEL REINFORCEMENT	34,039.00	LB		\$	

Section: 0007 - BRIDGE- RETAINING WALL - KY 2432 - DRAWING #27605

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1810	02203		STRUCTURE EXCAV-UNCLASSIFIED	307.00	CUYD		\$	
1820	02555		CONCRETE-CLASS B	352.00	CUYD		\$	
1830	02599		FABRIC-GEOTEXTILE TYPE IV	1.30	SQYD		\$	
1840	02611		HANDRAIL-TYPE A-1	325.00	LF		\$	
1850	21119ED		CONCRETE FORM LINER	175.00	SQYD		\$	
1860	23168ED		CONCRETE STAINING	211.00	SQYD		\$	

PROPOSAL BID ITEMS

REVISED ADDENDUM #1: 11-22-17

171050

Page 5 of 7

Report Date 11/22/17

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1870	24596EN		GRANULAR BACKFILL	488.00	CUYD		\$	

Section: 0008 - BRIDGE-RETAINING WALL - KY 2432 - DRAWING #27606

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1880	02203		STRUCTURE EXCAV-UNCLASSIFIED	311.00	CUYD		\$	
1890	02611		HANDRAIL-TYPE A-1	195.00	LF		\$	
1900	21119ED		CONCRETE FORM LINER	158.00	SQYD		\$	
1910	23168ED		CONCRETE STAINING	180.00	SQYD		\$	

Section: 0009 - UTILITY-WATER-SEWER-GAS (ADDED: 11-22-17)

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1920	14003		W CAP EXISTING MAIN	2.00	EACH		\$	
1930	14005		W ENCASEMENT CONCRETE	500.00	LF		\$	
1940	14007		W ENCASEMENT STEEL BORED RANGE 2 10 IN	20.00	LF		\$	
1950	14008		W ENCASEMENT STEEL BORED RANGE 3 12 IN	80.00	LF		\$	
1960	14009		W ENCASEMENT STEEL BORED RANGE 4	185.00	LF		\$	
1970	14010		W ENCASEMENT STEEL BORED RANGE 5 24 IN	30.00	LF		\$	
1980	14014		W ENCASEMENT STEEL OPEN CUT RANGE 3 12 IN	295.00	LF		\$	
1990	14016		W ENCASEMENT STEEL OPEN CUT RANGE 5 24 IN	435.00	LF		\$	
2000	14019		W FIRE HYDRANT ASSEMBLY	16.00	EACH		\$	
2010	14028		W METER 3/4 INCH	9.00	EACH		\$	
2020	14030		W METER RELOCATE RECONNECT	1.00	EACH		\$	
2030	14037		W PIPE DUCTILE IRON 08 INCH	4,690.00	LF		\$	
2040	14039		W PIPE DUCTILE IRON 12 INCH	4,320.00	LF		\$	
2050	14060		W PIPE PVC 08 INCH	2,000.00	LF		\$	
2060	14071		W PIPE POLYETHYLENE/PLASTIC 10 INCH	2,235.00	LF		\$	
2070	14073		W PIPE POLYETHYLENE/PLASTIC SPECIAL 18 IN	1,540.00	LF		\$	
2080	14080		W SERV PE/PLST LONG SIDE 3/4 IN	9.00	EACH		\$	
2090	14089		W TAPPING SLEEVE AND VALVE SIZE 1	11.00	EACH		\$	
2100	14090		W TAPPING SLEEVE AND VALVE SIZE 2	4.00	EACH		\$	
2110	14094		W TIE-IN 06 INCH	1.00	EACH		\$	
2120	14095		W TIE-IN 08 INCH	5.00	EACH		\$	
2130	14097		W TIE-IN 12 INCH	4.00	EACH		\$	
2140	14106		W VALVE 08 INCH	12.00	EACH		\$	
2150	14108		W VALVE 12 INCH	1.00	EACH		\$	
2160	14126		W ENCASEMENT SPECIAL 16 IN-DIRECTIONAL BORE	805.00	LF		\$	
2170	14126		W ENCASEMENT SPECIAL 16 IN-OPEN CUT	1,030.00	LF		\$	
2180	14126		W ENCASEMENT SPECIAL 2 IN-DIRECTIONAL BORE	448.00	LF		\$	

PROPOSAL BID ITEMS

REVISED ADDENDUM #1: 11-22-17

171050

Page 6 of 7

Report Date 11/22/17

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2190	14126		W ENCASEMENT SPECIAL 2 IN-OPEN CUT	541.00	LF		\$	
2200	14126		W ENCASEMENT SPECIAL 24 IN -DIRECTIONAL BORE	435.00	LF		\$	
2210	14126		W ENCASEMENT SPECIAL 5 IN-DIRECTIONAL BORE	297.00	LF		\$	
2220	14126		W ENCASEMENT SPECIAL 8 IN-OPEN CUT	165.00	LF		\$	
2230	15051		S FORCE MAIN PE/PLASTIC 04 INCH 4 IN	185.00	LF		\$	
2240	15059		S FORCE MAIN PVC 04 INCH	90.00	LF		\$	
2250	15068		S FORCE MAIN SPECIAL 14 IN	305.00	LF		\$	
2260	15073		S FORCE MAIN TIE-IN 04 INCH	1.00	EACH		\$	
2270	15092		S MANHOLE	13.00	EACH		\$	
2280	15093		S MANHOLE ABANDON/REMOVE	5.00	EACH		\$	
2290	15094		S MANHOLE ADJUST TO GRADE	15.00	EACH		\$	
2300	15112		S PIPE PVC 08 INCH	1,252.00	LF		\$	
2310	15119		S PUMP STATION	1.00	EACH		\$	
2320	15122		S STRUCTURE REMOVAL	1.00	EACH		\$	
2330	16015		G PIPE POLYETHYLENE/PLASTIC 02 INCH	310.00	LF		\$	
2340	16048		G TIE-IN SPECIAL	2.00	EACH		\$	
2350	16049		G VALVE POLYETHYLENE/PLASTIC 02 INCH	2.00	EACH		\$	
2360	16056		G VALVE SPECIAL	4.00	EACH		\$	
2370	16057		G VALVE STEEL 02 INCH	4.00	EACH		\$	
2380	16110		G PIPE POLYETHYLENE/PLASTIC 01 INCH	235.00	LF		\$	
2390	21233ED		ASPHALT PAVING REPLACEMENT	430.00	LF		\$	
2400	23667EC		WATER MAIN CREEK CROSSING 16 IN	240.00	LF		\$	
2410	23667EC		WATER MAIN CREEK CROSSING 24 IN	480.00	LF		\$	
2420	24441EC		GRAVEL REPLACEMENT DRIVEWAYS	130.00	LF		\$	

Section: 0010 - SIGNALIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0130	04792		CONDUIT-1 IN	50.00	LF		\$	
0140	04795		CONDUIT-2 IN	200.00	LF		\$	
0150	04820		TRENCHING AND BACKFILLING	100.00	LF		\$	
0160	04830		LOOP WIRE	1,650.00	LF		\$	
0170	04844		CABLE-NO. 14/5C	2,700.00	LF		\$	
0180	04850		CABLE-NO. 14/1 PAIR	1,000.00	LF		\$	
0190	04885		MESSENGER-10800 LB	400.00	LF		\$	
0200	04895		LOOP SAW SLOT AND FILL	620.00	LF		\$	
0210	04931		INSTALL CONTROLLER TYPE 170	1.00	EACH		\$	
0220	04932		INSTALL STEEL STRAIN POLE	4.00	EACH		\$	
0230	20093NS835		INSTALL PEDESTRIAN HEAD-LED	8.00	EACH		\$	
0240	20188NS835		INSTALL LED SIGNAL-3 SECTION	8.00	EACH		\$	
0250	20266ES835		INSTALL LED SIGNAL- 4 SECTION	2.00	EACH		\$	
0260	21743NN		INSTALL PEDESTRIAN DETECTOR	8.00	EACH		\$	
0270	23157EN		TRAFFIC SIGNAL POLE BASE	17.00	CUYD		\$	

PROPOSAL BID ITEMS

Report Date 11/22/17

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0280	23235EC		INSTALL PEDESTAL POST	4.00	EACH		\$	
0290	23982EC		INSTALL ANTENNA	1.00	EACH		\$	
0300	24955ED		REMOVE SIGNAL EQUIPMENT	1.00	EACH		\$	

Section: 0011 - LIGHTING

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0310	04740		POLE BASE	14.00	EACH		\$	
0320	04795		CONDUIT-2 IN	340.00	LF		\$	
0330	04820		TRENCHING AND BACKFILLING	2,600.00	LF		\$	
0340	20391NS835		ELECTRICAL JUNCTION BOX TYPE A	6.00	EACH		\$	
0350	21543EN		BORE AND JACK CONDUIT	200.00	LF		\$	
0360	24901EC		PVC CONDUIT-2 IN-SCHEDULE 80	2,800.00	LF		\$	

Section: 0012 - DEMOBILIZATION &/OR MOBILIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0370	02568		MOBILIZATION	1.00	LS		\$	
0380	02569		DEMOBILIZATION	1.00	LS		\$	