



Andy Beshear
GOVERNOR

TRANSPORTATION CABINET

200 Mero Street
Frankfort, Kentucky 40601

Jim Gray
SECRETARY

March 19, 2025

CALL NO. 200
CONTRACT ID NO. 251007
ADDENDUM # 6

Subject: Jefferson County, NH 2641 (176)
Letting March 20, 2025

- (1) Added - Special Notes - Pages 120A-120G of 526
- (2) Revised - Material Summary - Pages 428-437 of 526
- (3) Revised - Proposal Bid Items - Pages 515-526 of 526
- (4) Revised - Plan Sheets - U1, U13, U14, U15

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 black ink that reads "Rachel Mills".

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

RM:mr
Enclosures

Rev 7/2021

Special Note for Traffic Queue Protection Vehicle

1.0 DESCRIPTION. Furnish, Operate, and Maintain Traffic Queue Protection Vehicle at locations and times described herein. The Queue Protection Vehicle is expected to alert motorists (inside and outside of project limits) of all stopped traffic caused by construction activities or incidents within the project limits.

2.0 MATERIALS. The contractor shall provide a minimum of one (1) queue protection vehicle for each traveling direction where traffic flow is reduced or modified in a manner where a queue could occur. One (1) additional queue protection vehicle shall be onsite in reserve. The Traffic Queue Protection Vehicle must fulfill the following minimum requirements:

1. A truck mounted attenuators that meets or exceeds NCHRP TL-3 requirements.
2. Four (4) round yellow strobe lights (with auto-dimmers) positioned rear facing
 - Two (2) mounted under rear bumper
 - Two (2) mounted at cab level
 - Visibility of strobe lights can not be deterred by attenuator
3. One (1) standard cab mounted light bar.
4. A truck mounted message board with a minimum of 3 Lines and 8 Characters per line.
5. Four Hour National Traffic Incident Management (TIM) Responder Training for Queue Truck Operators.

3.0. CONSTRUCTION. A queue will be defined as anytime that traffic traveling through the project is reduced to a speed of twenty (20) miles per hour or less. The following procedures will be followed when a traffic queue occurs until free flow traffic conditions are present:

- The queue protection vehicle shall be positioned no further than ½ mile upstream from the back of the slow moving traffic.
- The queue protection vehicle shall be positioned on the shoulder and clear of the traveled way so as not to impede traffic.
- The queue protection vehicle shall relocate as needed to maintain approximately ½ mile distance from the back of the slow moving traffic.
- The 2nd queue protection vehicle shall be held in reserve, on site, and support the primary vehicle if conditions prevent repositioning by reverse. This vehicle shall not be paid for idle time.
- Queue Protection Vehicles shall be kept in project limits during planned lane closures and other project activities expected to cause a queue. One Queue Protection Vehicle shall remain on the project at all times available to respond to incidents within the project limits in a timely manner.
- Queue length estimates and traffic conditions shall be reported to the KYTC project engineer or designee at the following periods:
 1. At 30 minute intervals
 2. At significant changes
 3. When free flow traffic is achieved
- The KYTC project engineer or designee will document all daily queue reports and provide these logs to the Director of Maintenance and Director of Construction at the end of each month.

The Queue Protection Vehicle shall be mobilized by the Project Engineer or designee for planned construction activities. For unplanned incidents mobilization should be initiated by the first person (KYTC’s or Contractor’s project staff) receiving notification of the queue.

4. MEASUREMENT.

4.01 Queue Protection Vehicle. The Department will measure the time from when the vehicle is in position protecting the queue until either free flow traffic is achieved or the vehicle is no longer protecting the queue, whichever occurs first. Idle time will not be paid. The Department will not measure mobilization, removal, maintenance, labor, fuel, or any additional items but will consider them all incidental to this item of work.

4.02 Furnish Queue Protection Vehicles. The Department will measure the quantity by each month the Engineer requires to have the Contractor furnish vehicles as defined in ‘2.0 Materials’ of this Special Note. The Department will not measure mobilization, removal, labor, fuel, or any additional items but will consider them all incidental to this item of work. Partial Months will be calculated as shown in the table below.

Partial Month Payment Schedule	
Days	Increment
0-7 days	0.25
8-14 days	0.50
15-21 days	0.75
22-31 days	1.00

5. PAYMENT.

<u>Code</u>	<u>Pay Item</u>	<u>Pay Unit</u>
25075EC	Queue Protection Vehicle	Hour
25117EC	Furnish Queue Protection Vehicles	Month

Special Note for Portable Queue Warning Alert System

1.0 Description

This item shall consist of furnishing, installing, relocating, operating, servicing, and removing various components of a portable, quickly deployable, real-time automated ITS queue warning alert system (PQWAS), in accordance with the standard specifications and this special provision. The Contractor shall also provide the maintenance of the complete system for the duration of the project or as directed by the Project Engineer. The Department is willing to look at different technologies (i.e. allow the use of crowd sourcing data to be used in lieu of the portable radar sensors). Any changes to the below requirements must be submitted and approved by the Engineer.

2.0 Materials

Materials shall be in accordance as follows:

All materials used shall meet the manufacturer's specifications and recommendations.

All PQWAS materials installed on the project shall be provided by the Contractor in excellent quality condition, shall be corrosion resistant and in strict accordance with all of the details shown within Contractor's Plans approved by KYTC. The Contractor shall maintain an adequate inventory of parts and replacement units to support maintenance and repair of the PQWAS. Pre-deployment is a condition of the system's acceptance and is based on the successful performance demonstration for a (5) day continuous period in accordance to this specification and as set forth in the plans. Ensure compliance to all FCC and Department specifications.

The Contractor shall maintain this system and shall be locally available to service and maintain system components, move portable devices as necessary and respond to emergency situations. The Contractor has oversight responsibility for directing placement of devices in the project area. The Contractor is to be accessible seven (7) days a week and twenty-four (24) hours a day while the system is deployed. The Contractor shall provide contact information for the system's coordinator and others responsible for maintenance of the system prior to installation of the system. Furnish a System Coordinator for monitoring the PQWAS throughout all periods of deployment.

A. General Capabilities and Performance Requirements

1. Overall PQWAS capabilities and performance requirements include the following:
 - a. Furnish a system capable of providing advance traffic information to motorists when there is a queueing of traffic due to congestion resulting from lane reductions, emergency events or other conditions. The condition-responsive notification to the motorist occurs with the use of Portable Changeable Message Signs (PCMS) in accordance to the below capabilities and performance requirements, activated through real-time traffic data collected downstream of the PCMS locations. This equipment must

be a packaged system, pre-programmed and operates as a stand-alone PQWAS meeting this specification. Conditions might exist that require relocation of the portable sensors at any given time, the sensors shall be portable and shall not require re-calibration in the field for fast deployments. Due to the potential need to replace damaged sensors or to change the position of one or more sensors at any given time, sensors must be interchangeable and relocatable by an unskilled laborer. The system must continue to function if as many as half the sensors fail to function.

- b. Provide a PQWAS that consists of the following field equipment: portable radar sensors and portable changeable message signs (PCMS). Provide a system capable of withstanding inclement weather conditions while continuing to provide adequate battery power. The portable radar sensor battery, in a stand-alone state and without a solar panel for recharging, shall be capable of keeping power and capable of sending data for (10) consecutive days or longer. The system shall notify drivers of real-time queue events via specifically placed PCMS units up stream of the work zone. All predetermined/preprogrammed messages are to be approved by KYTC. The number and location of portable radar sensors and PCMS units shall be as directed by the Project Engineer. The decision to deploy or relocate field equipment is made by the Project Engineer and instrumented through the System Coordinator. The decision for equipment removal is made by the Project Engineer after work is complete. The sensors and PCMS units shall be identifiable via global positioning system (GPS) and shall contain an accelerometer to detect and alert of unauthorized movement.
- c. The portable radar sensor shall be capable of collecting traffic speed data. The processed data is used to remotely control PCMS units to display user definable, Engineer approved and locally stored messages. The message trigger state thresholds for slow and stopped speeds shall be user configurable and revisable in less than {1} hour from the Project Engineer's request. Weekly Traffic Data Reports shall be presented to the Project Engineer and shall include speed data per sensor location, travel times, and queue lengths in graphical and numerical formats. In the event the Project Engineer requires a report, other than a weekly report, for any reason; then the Contractor shall provide report within (48) hours of request. Unlimited data reports shall be included within price of system. Sensors shall require no calibration adjustments in the field. Sensor should begin transmitting data within (30) seconds of being turned on. Satellite (SAT) communications will be required when cellular service does not provide continuous communications. Contractor shall identify the most trustworthy cellular provider within the project area.
- d. Data shall be accessible through a website and the Contractor shall provide a username and password for protection. The website shall be accessible seven (7) days a week and twenty - four (24) hours a day. The website shall provide historical & real-time data in graphical and numerical formats and shall have the capability of being integrated within the Department's Traffic Management Center (if requested). The website should be compatible to most hand held devices. Data shall be saved on the manufacturer's network for up to (5) years from the deployment date of system and shall be provided at the request

of the Department at any time within the (5) year window. The use of the website shall be included within the price of system.

- e. Warning Alerts: queue events, low battery voltage warnings, sensor movement alerts, high and low speed alerts shall be provided via cellular text messaging and/or via email messaging at the request of select Contractor personnel and KYTC officials.
- f. The PQWAS system shall have the capabilities to provide alternate route messaging on specifically placed portable changeable message units and/or fixed Variable Message Systems (VMS). The intent of this service is to provide alternate route messaging to motorists before entering the project limits from all directions and giving them appropriate time to adjust their routes. Alternative routes shall be predefined and approved by KYTC. Additional PCMS units may be required for alternate route messaging and will be as per Section 5.0 of this note. KYTC's Traffic Management Center will provide detour messages via fixed VMS units during the term of the project.

B. Portable Radar Sensor Capabilities and Performance Requirements

The PQWAS shall include portable radar sensors (PRD) to monitor and detect queue events.

1. The Radar Sensor shall be FHWA accepted to meet NCHRP 350 test requirements
2. The Radar Sensor shall be locatable at all times via an internal Global Positioning System (GPS) and shall be capable of Cellular or SAT Communications.
3. The Radar Sensor shall have a dry-cell battery capable of powering the system for (10) consecutive days or longer
4. The Radar sensor shall be K-Band technology and have a line of sight up to 200 linear feet without obstruction
5. The Radar sensor shall have the ability to be charged in the field through adaptable solar recharging technology in the case the sensor is utilized for more than 10 consecutive days

C. PCMS Capabilities and Performance Requirements

The PQWAS shall include portable changeable message signs (PCMS) designated to relay automated messaging of queue events, alternate route messages, and caution for the work area defined by the project limits. PCMS placements shall meet the requirements set forth by the Cabinet in each direction of the National Highway System (NHS).

1. The PCMS unit shall be a Full Matrix 24 rows x 50 columns and shall be capable of 1 line, 2line or 3 line messages
2. The PCMS unit shall be legible from a distance over twelve hundred feet (1200')
3. The height and size of characters shall be 18" to 58"
4. The PCMS shall be capable of storing up to 199 pre-programmed messages and up to 199 user-defined messages
5. The PCMS shall have a weather tight control cabinet with back lit LCD handheld controller.
6. The PCMS shall utilize a hydraulic lift to raise the unit to display height
7. The PCMS unit shall include solar recharging ports to allow for recharging of the portable radar sensors when they are not deployed.
8. The PCMS shall be NTCIP compliant and shall have an active Modem with active cellular service.

9. The user shall have the ability to communicate and override the PCMS remotely in the event of an emergency, Amber Alert, etc.
10. The PCMS unit shall have a docking station to include safety rails that allow a commercial safety strap to tie down the portable radar sensors while in transport. The docking station shall hold-up to (4) sensors safely and securely at all times

3.0 Construction Requirements

All communication costs include cellular telephone services, FCC licensing, wireless data networks, satellite and internet subscription charges, and battery charging and maintenance. Additional to these requirements, the Contractor shall assume all responsibility for any and all damaged equipment due to crashes, vandalism, and adverse weather that may occur during the contract period.

The PQWAS shall operate continuously (24 hours/ 7 Days) when deployed on the project. The system is in a constant "data collection" mode when deployed. The Contractor shall provide technical support for the PQWAS for all periods of operation.

In the event communication is lost with any component of the PQWAS, provide a means and staff to manually program a PCMS message. If communication is lost for more the 10 consecutive minutes, the system shall revert to a fail-safe ROADWORK/# MILES/AHEAD message displayed on the PCMS units until communication is restored.

System Operator, local control function and remote management operation must be password protected.

The PQWAS shall be capable of acquiring traffic information and selecting messages automatically without operator intervention after system utilization. The lag time between changes in threshold ranges and the posting of the appropriate PCMS message(s) shall be no greater than (60) seconds. The system operation and accuracy must not be appreciably degraded by inclement weather or degraded visibility conditions including precipitation, fog, darkness, excessive dust, and road debris.

The system shall be capable of storing ad-hoc messages created by the System Coordinator and logging this action when overriding any default or automatic advisory message.

The PQWAS communication system shall incorporate an error detection/correction mechanism to insure the integrity of all traffic conditions data and motorists information messages. Any required configuration of the PQWAS communication system shall be performed automatically during system initialization.

The system's acceptance is based on the successful performance demonstration of PQWAS for a (5) day continuous period in accordance to this specification and as set forth in the plans. Ensure compliance to all FCC and Department specifications.

4.0 Equipment Maintenance.

Maintain system components in good working condition at all times. Repair or replace damaged or malfunctioning components, at no cost to the Department, as soon as possible and within (12) hours of notification by the Engineer. Periodically clean PCMS units if necessary.

5.0 Measurement. The Department will measure each item below in Months. For partial months the Department will pay in 0.25 increments based on the number of calendar days in the below table.

Partial Month Payment Schedule	
Days	Increment
0-7 days	0.25
8-14 days	0.50
15-21 days	0.75
22-31 days	1.00

5.1 Portable Queue Warning Alert System includes cellular (SAT communications will be required if cellular is not available), all supporting field equipment, website, and unlimited data reports accessible by the Engineer. It will be measured by the number of months authorized by the Engineer for use on the project.

5.2 Queue Warning PCMS will be measured by each individual unit multiplied by the number of months authorized by the Engineer for use on the project.

5.3 Queue Warning Portable Radar Sensors will be measured by each individual unit multiplied by the number of months authorized by the Engineer for use on the project. Queue Warning Portable Radar Sensors will not be measured for payment if the Contractor utilizes a system operating on crowd sourcing data. Crowd sourcing data systems will only be allowed as approved by the engineer and will be considered incidental to Portable Queue Warning Alert System.

6.0 Payment.

<u>Code</u>	<u>Pay Item</u>	<u>Pay Unit</u>
26136EC	Portable Queue Warning Alert System	Month
26137EC	Queue Warning PCMS	Month
26138EC	Queue Warning Portable Radar Sensors	Month

MATERIAL SUMMARY

CONTRACT ID: 251007 NH 2641 (176) DE05602642507

I-264 ASPHALT RESURFACING ON I-264 FROM MP 20.590 TO MP 21.280 EB. & MP. 20.560 TO MP 21.020 WB & MP. 22.590 TO MP 22.890 WB ASPHALT RESURFACING, A DISTANCE OF 2.33 MILES.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0005	00100	ASPHALT SEAL AGGREGATE	45.00	TON
0010	00103	ASPHALT SEAL COAT	5.00	TON
0015	00194	LEVELING & WEDGING PG76-22	288.00	TON
0020	00210	CL4 ASPH BASE 1.50D PG76-22	7,656.00	TON
0025	00342	CL4 ASPH SURF 0.38A PG76-22	5,772.00	TON
0030	02677	ASPHALT PAVE MILLING & TEXTURING	13,428.00	TON
0035	24970EC	ASPHALT MATERIAL FOR TACK NON-TRACKING	49.00	TON
0040	02585	EDGE KEY	38.00	LF
0045	02650	MAINTAIN & CONTROL TRAFFIC	1.00	LS
0050	02676	MOBILIZATION FOR MILL & TEXT	1.00	LS
0055	02726	STAKING	1.00	LS
0060	06511	PAVE STRIPING-TEMP PAINT-6 IN	10,000.00	LF
0065	06542	PAVE STRIPING-THERMO-6 IN W	4,977.00	LF
0070	06543	PAVE STRIPING-THERMO-6 IN Y	11,034.00	LF
0075	06546	PAVE STRIPING-THERMO-12 IN W	4,502.00	LF
0080	06565	PAVE MARKING-THERMO X-WALK-6 IN	584.00	LF
0085	06568	PAVE MARKING-THERMO STOP BAR-24IN	116.00	LF
0090	06574	PAVE MARKING-THERMO CURV ARROW	30.00	EACH
0095	06575	PAVE MARKING-THERMO COMB ARROW	4.00	EACH
0100	06575	PAVE MARKING-THERMO COMB ARROW	2.00	EACH
0105	06600	REMOVE PAVEMENT MARKER TYPE V	370.00	EACH
0110	06613	INLAID PAVEMENT MARKER-B W/R	326.00	EACH
0115	06614	INLAID PAVEMENT MARKER-B Y/R	44.00	EACH
0120	20071EC	JOINT ADHESIVE	35,800.00	LF
0125	22520EN	PAVE MARKING-THERMO YIELD BAR-36 IN	62.00	LF
0130	23261EC	PAVE MARK-THERMO-X-WALK-24 IN	100.00	LF
0135	23607EC	PAVE MARK THERMO-LANE REDUCTION ARROW	5.00	EACH
0140	24679ED	PAVE MARK THERMO CHEVRON	900.00	SQFT
0145	24689EC	PAVE MARK THERMO-WRONG WAY ARROW	7.00	EACH
0150	24899EC	PAVE MARKING-THERMO ELONG ROUTE SHIELD	8.00	EACH
0155	26146ES717	PAVE MARK TY 1 TAPE LANE REDUCTION ARROW	1.00	EACH
0160	26240EC	PAVE STRIPE-WET REF CONT TAPE-6 IN W	1,424.00	LF
0165	26241EC	PAVE STRIPE-WET REF CONT TAPE-6 IN Y	712.00	LF
0170	03299	ARMORED EDGE FOR CONCRETE	256.00	LF
0175	08472	EXPANSION DAM-4 IN NEOPRENE	256.00	LF
0180	02568	MOBILIZATION	1.00	LS

CONTRACT ID: 251007 NH 2641 (176) DE05602642508

I-264 / US-42 INTERCHANGE RECONSTRUCT/WIDEN I-264(WATTERSON EXPRESSWAY) FROM WESTPORT ROAD (KY-1447) TO I-71 INCLUDING THE US-42 INTERCHANGE AS A SPUI GRADE DRAIN & SURFACE WITH BRIDGE, A DISTANCE OF 3.65 MILES.

MATERIAL SUMMARY

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0185	00003	CRUSHED STONE BASE	67,098.00	TON
0190	00018	DRAINAGE BLANKET-TYPE II-ASPH	21,166.00	TON
0195	00100	ASPHALT SEAL AGGREGATE	243.00	TON
0200	00103	ASPHALT SEAL COAT	29.00	TON
0205	00190	LEVELING & WEDGING PG64-22	16,035.00	TON
0210	00212	CL2 ASPH BASE 1.00D PG64-22	1,462.00	TON
0215	00214	CL3 ASPH BASE 1.00D PG64-22	6,563.00	TON
0220	00216	CL3 ASPH BASE 1.00D PG76-22	2,971.00	TON
0225	00217	CL4 ASPH BASE 1.00D PG64-22	41,716.00	TON
0230	00219	CL4 ASPH BASE 1.00D PG76-22	15,602.00	TON
0235	00296	ASPHALT PRIME COAT	67.00	TON
0240	00301	CL2 ASPH SURF 0.38D PG64-22	768.00	TON
0245	00336	CL3 ASPH SURF 0.38A PG76-22	2,099.00	TON
0250	00342	CL4 ASPH SURF 0.38A PG76-22	14,456.00	TON
0255	02084	JPC PAVEMENT-8 IN	102.00	SQYD
0260	02101	CEM CONC ENT PAVEMENT-8 IN	68.00	SQYD
0265	02677	ASPHALT PAVE MILLING & TEXTURING	1,618.00	TON
0270	22906ES403	CL3 ASPH SURF 0.38A PG64-22	896.00	TON
0275	24970EC	ASPHALT MATERIAL FOR TACK NON-TRACKING	101.00	TON
0280	00078	CRUSHED AGGREGATE SIZE NO 2	5,782.00	TON
0285	01314	PLUG PIPE	12.00	EACH
0290	01584	CAP DROP BOX INLET	3.00	EACH
0295	01691	FLUME INLET TYPE 2	2.00	EACH
0300	01717	FILL AND CAP INLET	12.00	EACH
0305	01786	FILL AND CAP MANHOLE	1.00	EACH
0310	01791	ADJUST MANHOLE FRAME TO GRADE	2.00	EACH
0315	01792	ADJUST MANHOLE	2.00	EACH
0320	01810	STANDARD CURB AND GUTTER	2,365.00	LF
0325	01811	STANDARD CURB AND GUTTER MOD	5,018.00	LF
0330	01875	STANDARD HEADER CURB	703.00	LF
0335	01917	STANDARD BARRIER MEDIAN TYPE 2	984.00	SQYD
0340	01921	STANDARD BARRIER MEDIAN TYPE 4	126.00	SQYD
0345	01978	CONC MEDIAN BARRIER TYPE A TL5 56 IN	5,529.00	LF
0350	01982	DELINEATOR FOR GUARDRAIL MONO DIRECTIONAL WHITE	78.00	EACH
0355	01983	DELINEATOR FOR GUARDRAIL MONO DIRECTIONAL YELLOW	129.00	EACH
0360	02003	RELOCATE TEMP CONC BARRIER	19,527.00	LF
0365	02014	BARRICADE-TYPE III	138.00	EACH
0370	02155	PAVED DITCH TYPE 1 MOD	424.00	SQYD
0375	02159	TEMP DITCH	15,175.00	LF
0380	02160	CLEAN TEMP DITCH	7,588.00	LF
0385	02200	ROADWAY EXCAVATION	183,650.00	CUYD
0390	02242	WATER	3,275.00	MGAL
0395	02262	FENCE-WOVEN WIRE TYPE 1	4,254.00	LF
0400	02367	GUARDRAIL END TREATMENT TYPE 1	8.00	EACH
0405	02369	GUARDRAIL END TREATMENT TYPE 2A	13.00	EACH
0410	02381	REMOVE GUARDRAIL	13,956.00	LF
0415	02391	GUARDRAIL END TREATMENT TYPE 4A	4.00	EACH
0420	02429	RIGHT-OF-WAY MONUMENT TYPE 1	25.00	EACH

MATERIAL SUMMARY

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0425	02430	RIGHT-OF-WAY MONUMENT TYPE 1A	7.00	EACH
0430	02432	WITNESS POST	3.00	EACH
0435	02483	CHANNEL LINING CLASS II	6,220.00	TON
0440	02484	CHANNEL LINING CLASS III	2,187.00	TON
0445	02545	CLEARING AND GRUBBING - 57.9 ACRES	1.00	LS
0450	02555	CONCRETE-CLASS B	75.25	CUYD
0455	02562	TEMPORARY SIGNS	3,950.00	SQFT
0460	02585	EDGE KEY	540.00	LF
0465	02602	FABRIC-GEOTEXTILE CLASS 1	19,174.00	SQYD
0470	02604	FABRIC-GEOTEXTILE CLASS 1A	7,500.00	SQYD
0475	02650	MAINTAIN & CONTROL TRAFFIC	1.00	LS
0480	02671	PORTABLE CHANGEABLE MESSAGE SIGN	8.00	EACH
0485	02676	MOBILIZATION FOR MILL & TEXT	1.00	LS
0490	02690	SAFELOADING	168.00	CUYD
0495	02701	TEMP SILT FENCE	15,175.00	LF
0500	02703	SILT TRAP TYPE A	101.00	EACH
0505	02704	SILT TRAP TYPE B	101.00	EACH
0510	02705	SILT TRAP TYPE C	101.00	EACH
0515	02706	CLEAN SILT TRAP TYPE A	101.00	EACH
0520	02707	CLEAN SILT TRAP TYPE B	101.00	EACH
0525	02708	CLEAN SILT TRAP TYPE C	101.00	EACH
0530	02720	SIDEWALK-4 IN CONCRETE	1,860.00	SQYD
0535	02723	SIDEWALK-6 IN CONCRETE	2,381.00	SQYD
0540	02726	STAKING	1.00	LS
0545	02731	REMOVE STRUCTURE - REMOVAL OF EXISTING I-71 RAMP BRIDGE	1.00	LS
0550	02731	REMOVE STRUCTURE - REMOVAL OF EXISTING US 42 BRIDGE OVER 1-264	1.00	LS
0555	02775	ARROW PANEL	19.00	EACH
0560	02898	RELOCATE CRASH CUSHION	4.00	EACH
0565	03171	CONC BARRIER WALL TYPE 9T	24,045.00	LF
0570	05950	EROSION CONTROL BLANKET	41,167.00	SQYD
0575	05952	TEMP MULCH	332,440.00	SQYD
0580	05953	TEMP SEEDING AND PROTECTION	254,120.00	SQYD
0585	05963	INITIAL FERTILIZER	12.75	TON
0590	05964	MAINTENANCE FERTILIZER	17.25	TON
0595	05985	SEEDING AND PROTECTION	201,932.00	SQYD
0600	05990	SODDING	2,370.00	SQYD
0605	05992	AGRICULTURAL LIMESTONE	258.00	TON
0610	06401	FLEXIBLE DELINEATOR POST-M/W	91.00	EACH
0615	06404	FLEXIBLE DELINEATOR POST-M/Y	99.00	EACH
0620	06510	PAVE STRIPING-TEMP PAINT-4 IN	179,051.00	LF
0625	06511	PAVE STRIPING-TEMP PAINT-6 IN	133,056.00	LF
0630	06513	PAVE STRIPING-TEMP PAINT-12 IN	12,000.00	LF
0635	06515	PAVE STRIPING-PERM PAINT-6 IN	3,675.00	LF
0640	06542	PAVE STRIPING-THERMO-6 IN W	54,707.00	LF
0645	06543	PAVE STRIPING-THERMO-6 IN Y	34,717.00	LF
0650	06546	PAVE STRIPING-THERMO-12 IN W	12,676.00	LF
0655	06547	PAVE STRIPING-THERMO-12 IN Y	231.00	LF
0660	06550	PAVE STRIPING-TEMP REM TAPE-W	900.00	LF
0665	06551	PAVE STRIPING-TEMP REM TAPE-Y	900.00	LF

MATERIAL SUMMARY

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0670	06556	PAVE STRIPING-DUR TY 1-6 IN W	462.00	LF
0675	06557	PAVE STRIPING-DUR TY 1-6 IN Y	440.00	LF
0680	06565	PAVE MARKING-THERMO X-WALK-6 IN	2,067.00	LF
0685	06568	PAVE MARKING-THERMO STOP BAR-24IN	689.00	LF
0690	06569	PAVE MARKING-THERMO CROSS-HATCH	455.00	SQFT
0695	06570	PAVE MARKING-PAINT CROSS-HATCH	115.00	SQFT
0700	06573	PAVE MARKING-THERMO STR ARROW	12.00	EACH
0705	06574	PAVE MARKING-THERMO CURV ARROW	138.00	EACH
0710	06575	PAVE MARKING-THERMO COMB ARROW	14.00	EACH
0715	06576	PAVE MARKING-THERMO ONLY	5.00	EACH
0720	06598	PAVEMENT MARKING REMOVAL	790.00	SQFT
0725	06600	REMOVE PAVEMENT MARKER TYPE V	1,259.00	EACH
0730	06610	INLAID PAVEMENT MARKER-MW	150.00	EACH
0735	06612	INLAID PAVEMENT MARKER-BY	131.00	EACH
0740	06613	INLAID PAVEMENT MARKER-B W/R	1,355.00	EACH
0745	06614	INLAID PAVEMENT MARKER-B Y/R	118.00	EACH
0750	08903	CRASH CUSHION TY VI CLASS BT TL3	11.00	EACH
0755	10020NS	FUEL ADJUSTMENT	249,183.00	DOLL
0760	10030NS	ASPHALT ADJUSTMENT	402,720.00	DOLL
0765	15094	S MANHOLE ADJUST TO GRADE	5.00	EACH
0770	20071EC	JOINT ADHESIVE	77,428.00	LF
0775	20166ES810	TEMPORARY PIPE	1,000.00	LF
0780	20191ED	OBJECT MARKER TY 3	12.00	EACH
0785	20432ES112	REMOVE CRASH CUSHION	2.00	EACH
0790	20550ND	SAWCUT PAVEMENT	52,499.00	LF
0795	21289ED	LONGITUDINAL EDGE KEY	46,706.00	LF
0800	21417ES717	PAVE MARK THERMO CONE CAP-SOLID YELLOW	22.00	SQFT
0805	21802EN	G/R STEEL W BEAM-S FACE (7 FT POST)	11,378.50	LF
0810	22520EN	PAVE MARKING-THERMO YIELD BAR-36 IN	60.00	LF
0815	22664EN	WATER BLASTING EXISTING STRIPE	316,200.00	LF
0820	22692NS714	PAVEMENT MARKING-THERMO LETTERS	10.00	EACH
0825	22880ED	BARRIER WALL TRANSITION	50.00	LF
0830	22880ED	BARRIER WALL TRANSITION	25.00	LF
0835	23158ES505	DETECTABLE WARNINGS	795.00	SQFT
0840	23251ES717	PAVE MARK TY 1 TAPE X-WALK-6 IN	263.00	LF
0845	23261EC	PAVE MARK-THERMO-X-WALK-24 IN	250.00	LF
0850	23265ES717	PAVE MARK TY 1 TAPE STOP BAR-24 IN	25.00	LF
0855	23270ES717	PAVE MARK TY 1 TAPE-CURV ARROW	2.00	EACH
0860	23314EC	CONCRETE TRENCH	1,612.00	LF
0865	23607EC	PAVE MARK THERMO-LANE REDUCTION ARROW	16.00	EACH
0870	23871EC	PAVE STRIPE-WET REF TAPE-6 IN Y	161.00	LF
0875	23872EC	PAVE STRIPE-WET REF TAPE-6 IN W	399.00	LF
0880	24280EC	PAVE MARK THERMO CHEVRON-48 IN	3,492.00	LF
0885	24544EC	REMOVE - REMOVE BARRIER WALL AND RAILING SYSTEM AND SOUND WALL	4,049.00	LF
0895	24640ED	OBJECT MARKER TYPE 1	11.00	EACH
0900	24679ED	PAVE MARK THERMO CHEVRON	379.00	SQFT
0905	24683ED	PAVE MARKING-THERMO DOTTED LANE EXTEN	294.00	LF
0910	24689EC	PAVE MARK THERMO-WRONG WAY ARROW	7.00	EACH
0915	24744ED	GUARDRAIL CONN TO CONC MED BARR MOD-CR	1.00	EACH

MATERIAL SUMMARY

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0920	24899EC	PAVE MARKING-THERMO ELONG ROUTE SHIELD	10.00	EACH
0925	25028ED	RAIL SYSTEM SINGLE SLOPE - 40 IN - PRICE INCLUDES MOMENT SLAB FOR BARRIER	8,545.00	LF
0930	25078ED	THRIE BEAM GUARDRAIL TRANSITION TL-3	10.00	EACH
0935	25079ED	THRIE BEAM GUARDRAIL TRANSITION TL-2	4.00	EACH
0940	26155EC	PAVE MARK-THERMO POLY MOD LANE USE ARROW	8.00	EACH
0945	26156EC	PAVE MARK-THERMO POLY MOD LANE COMBO ARR	8.00	EACH
0950	26164ES717	PAVE MARK TY 1 TAPE X-WALK-24 IN	350.00	LF
0955	00462	CULVERT PIPE-18 IN	45.00	LF
0960	00464	CULVERT PIPE-24 IN	93.00	LF
0965	00466	CULVERT PIPE-30 IN	79.00	LF
0970	00468	CULVERT PIPE-36 IN	14.00	LF
0975	00470	CULVERT PIPE-48 IN	19.00	LF
0980	00521	STORM SEWER PIPE-15 IN	3,575.00	LF
0985	00522	STORM SEWER PIPE-18 IN	5,490.00	LF
0990	00524	STORM SEWER PIPE-24 IN	1,083.00	LF
0995	00526	STORM SEWER PIPE-30 IN	199.00	LF
1000	00528	STORM SEWER PIPE-36 IN	1,072.00	LF
1005	00529	STORM SEWER PIPE-42 IN	1,390.00	LF
1010	00530	STORM SEWER PIPE-48 IN	1,485.00	LF
1015	00551	STORM SEWER PIPE-15 IN EQUIV	30.00	LF
1020	01001	PERFORATED PIPE-6 IN	20,363.00	LF
1025	01011	NON-PERFORATED PIPE-6 IN	8,122.00	LF
1030	01015	INSPECT & CERTIFY EDGE DRAIN SYSTEM	1.00	LS
1035	01025	PERF PIPE HEADWALL TY 2-6 IN	12.00	EACH
1040	01029	PERF PIPE HEADWALL TY 3-6 IN	12.00	EACH
1045	01033	PERF PIPE HEADWALL TY 4-6 IN	8.00	EACH
1050	01202	PIPE CULVERT HEADWALL-15 IN	20.00	EACH
1055	01204	PIPE CULVERT HEADWALL-18 IN	20.00	EACH
1060	01208	PIPE CULVERT HEADWALL-24 IN	3.00	EACH
1065	01210	PIPE CULVERT HEADWALL-30 IN	1.00	EACH
1070	01212	PIPE CULVERT HEADWALL-36 IN	4.00	EACH
1075	01441	SLOPED BOX INLET-OUTLET TYPE 2	2.00	EACH
1080	01451	S & F BOX INLET-OUTLET-24 IN	1.00	EACH
1085	01456	CURB BOX INLET TYPE A	19.00	EACH
1090	01459	CURB BOX INLET TYPE A MOD	8.00	EACH
1095	01480	CURB BOX INLET TYPE B	5.00	EACH
1100	01484	CURB BOX INLET TYPE B-T	1.00	EACH
1105	01490	DROP BOX INLET TYPE 1	8.00	EACH
1110	01491	DROP BOX INLET TYPE 1 MOD	4.00	EACH
1115	01494	DROP BOX INLET TYPE 2 MOD	2.00	EACH
1120	01496	DROP BOX INLET TYPE 3	1.00	EACH
1125	01502	DROP BOX INLET TYPE 5A	4.00	EACH
1130	01542	DROP BOX INLET TYPE 10 MOD	4.00	EACH
1135	01544	DROP BOX INLET TYPE 11	2.00	EACH
1140	01559	DROP BOX INLET TYPE 13G	9.00	EACH
1145	01568	DROP BOX INLET TYPE 13S	4.00	EACH
1150	01577	DROP BOX INLET TYPE 14	1.00	EACH
1155	01580	DROP BOX INLET TYPE 15	2.00	EACH
1160	01587	DROP BOX INLET TYPE 16S	1.00	EACH

MATERIAL SUMMARY

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
1165	01597	CONC MED BARR BOX INLET TY A1	3.00	EACH
1170	01598	CONC MED BARR BOX INLET TY B1	51.00	EACH
1175	01623	CONC MED BARR BOX INLET TY B1 TL5 56	8.00	EACH
1180	01624	CONC MED BARR BOX INLET TY B2 TL5 56	24.00	EACH
1185	01626	CONC MED BARR BOX INLET TY A2 TL5 56	1.00	EACH
1190	01650	JUNCTION BOX	21.00	EACH
1195	01720	RECONSTRUCT INLET	2.00	EACH
1200	01741	CORED HOLE DRAINAGE BOX CON-6 IN	104.00	EACH
1205	01756	MANHOLE TYPE A	4.00	EACH
1210	01768	MANHOLE TYPE C MOD	1.00	EACH
1215	02478	CAP INLET	8.00	SQYD
1220	02607	FABRIC-GEOTEXTILE CLASS 2 FOR PIPE	19,992.00	SQYD
1225	08100	CONCRETE-CLASS A	31.00	CUYD
1230	20571ES710	DROP BOX INLET TY 16G(MOD)	4.00	EACH
1235	21541NN	CORED HOLE DRAINAGE BOX CON- 18 IN	7.00	EACH
1240	23074NN	ADJUST DRAINAGE STRUCTURE	3.00	EACH
1245	23610NC	CORED HOLE DRAINAGE BOX CON	1.00	EACH
1250	23952EC	DRAINAGE JUNCTION BOX TY B	3.00	EACH
1255	24186EC	BORE AND JACK PIPE-36 IN	155.00	LF
1260	24814EC	PIPELINE INSPECTION	14,148.00	LF
1265	02403	REMOVE CONCRETE MASONRY	13.00	CUYD
1270	08003	FOUNDATION PREPARATION	1.00	LS
1275	08100	CONCRETE-CLASS A	25.30	CUYD
1280	08150	STEEL REINFORCEMENT	2,523.00	LB
1285	02403	REMOVE CONCRETE MASONRY	12.00	CUYD
1290	08003	FOUNDATION PREPARATION	1.00	LS
1295	08100	CONCRETE-CLASS A	26.40	CUYD
1300	08150	STEEL REINFORCEMENT	2,095.00	LB
1305	23929EC	LIGHTWEIGHT AGGREGATE FILL	156.00	CUYD
1310	23931EC	EPS FOAM BLOCK	2,524.00	CUFT
1315	26145EC	4 IN CONCRETE LOAD DISTRIBUTOR	94.00	SQYD
1320	02223	GRANULAR EMBANKMENT	70.00	CUYD
1325	08003	FOUNDATION PREPARATION	1.00	LS
1330	08100	CONCRETE-CLASS A	50.10	CUYD
1335	08150	STEEL REINFORCEMENT	4,590.00	LB
1340	02223	GRANULAR EMBANKMENT	146.00	CUYD
1345	08003	FOUNDATION PREPARATION	1.00	LS
1350	08100	CONCRETE-CLASS A	38.10	CUYD
1355	08150	STEEL REINFORCEMENT - (REVISED 3-12-25)	4,340.00	LB
1360	23931EC	EPS FOAM BLOCK	36,830.00	CUFT
1365	02231	STRUCTURE GRANULAR BACKFILL	1,000.00	CUYD
1370	03299	ARMORED EDGE FOR CONCRETE	137.40	LF
1375	08002	STRUCTURE EXCAV-SOLID ROCK	395.00	CUYD
1380	08003	FOUNDATION PREPARATION	1.00	LS
1385	08100	CONCRETE-CLASS A	201.00	CUYD
1390	08104	CONCRETE-CLASS AA	589.90	CUYD
1395	08130	MECHANICAL REINF COUPLER #5	24.00	EACH
1400	08134	MECHANICAL REINF COUPLER #9	32.00	EACH
1405	08140	MECHANICAL REINF COUPLER #5 EPOXY COATED	588.00	EACH
1410	08150	STEEL REINFORCEMENT - (REVISED 3-12-25)	39,830.00	LB

MATERIAL SUMMARY

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
1415	08151	STEEL REINFORCEMENT-EPOXY COATED - (REVISED 3-12-25)	87,460.00	LB
1420	08160	STRUCTURAL STEEL - 782,400 LBS	1.00	LS
1425	08170	SHEAR CONNECTORS - 3720 EACH	1.00	LS
1430	20745ED	ROCK SOUNDINGS	128.00	LF
1435	20746ED	ROCK CORINGS	302.00	LF
1440	23378EC	CONCRETE SEALING	23,320.00	SQFT
1445	25028ED	RAIL SYSTEM SINGLE SLOPE - 40 IN	394.80	LF
1450	26172EC	DRILLED SHAFT-36 IN SOLID ROCK	112.00	LF
1455	26173EC	DRILLED SHAFT-42 IN COMMON	80.00	LF
1460	02231	STRUCTURE GRANULAR BACKFILL	11,000.00	CUYD
1465	02998	MASONRY COATING	2,808.00	SQYD
1470	03299	ARMORED EDGE FOR CONCRETE	2,120.00	LF
1475	08002	STRUCTURE EXCAV-SOLID ROCK	127.00	CUYD
1480	08003	FOUNDATION PREPARATION	1.00	LS
1485	08100	CONCRETE-CLASS A	1,709.70	CUYD
1490	08104	CONCRETE-CLASS AA	1,064.30	CUYD
1495	08140	MECHANICAL REINF COUPLER #5 EPOXY COATED	86.00	EACH
1500	08141	MECHANICAL REINF COUPLER #6 EPOXY COATED	86.00	EACH
1505	08151	STEEL REINFORCEMENT-EPOXY COATED - (REVISED 3-12-25)	790,862.00	LB
1510	08160	STRUCTURAL STEEL - 29,904 LBS	1.00	LS
1515	08170	SHEAR CONNECTORS - 804 EACH	1.00	LS
1520	08500	APPROACH SLAB	1,392.00	SQYD
1525	08672	PRECAST PC BOX BEAM SB42	2,192.00	LF
1530	08711	BRIDGE CHAIN LINK FENCE-6 FT	216.00	LF
1535	20745ED	ROCK SOUNDINGS	174.00	LF
1540	20746ED	ROCK CORINGS	1,705.00	LF
1545	23000EX	DRILLED SHAFT-66 IN (ROCK)	682.00	LF
1550	23158ES505	DETECTABLE WARNINGS	204.00	SQFT
1555	23249EC	DRILLED SHAFT-72 IN COMMON	70.00	LF
1560	23378EC	CONCRETE SEALING	26,613.00	SQFT
1565	24405EC	MECHANICAL REINF COUPLER #8-EPOXY COATED	3.00	EACH
1570	25027ED	RAIL SYSTEM SINGLE SLOPE - 36 IN	356.00	LF
1575	25029ED	STEEL HANDRAIL	356.00	LF
1580	25121EC	MECHANICAL REINF COUPLER #10-EPOXY COAT	52.00	EACH
1585	21590EN	SOUND BARRIER WALL	258,478.00	SQFT
1590	23583EC	DRILLED SHAFT-48 IN-COMMON	10.00	LF
1595	23584EC	DRILLED SHAFT-42 IN-ROCK	6.00	LF
1600	26172EC	DRILLED SHAFT-36 IN SOLID ROCK	2,268.00	LF
1605	26173EC	DRILLED SHAFT-42 IN COMMON	3,401.00	LF
1610	01986	DELINEATOR FOR BARRIER WALL-B/Y	50.00	EACH
1615	04886	MESSENGER-15400 LB	210.00	LF
1620	04932	INSTALL STEEL STRAIN POLE	4.00	EACH
1625	06405	SBM ALUMINUM PANEL SIGNS	11,360.00	SQFT
1630	06406	SBM ALUM SHEET SIGNS .080 IN	184.00	SQFT
1635	06407	SBM ALUM SHEET SIGNS .125 IN	1,614.00	SQFT
1640	06410	STEEL POST TYPE 1	1,065.00	LF
1645	06411	STEEL POST TYPE 2	2,640.00	LF
1650	06412	STEEL POST MILE MARKERS	12.00	EACH
1655	06448	SIGN BRIDGE ATTACHMENT BRACKET	4.00	EACH

MATERIAL SUMMARY

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
1660	06449	REM OVERHEAD SIGN SUPPORT STR	8.00	EACH
1665	06450	REM OVERHEAD STRUC CONC BASE	16.00	EACH
1670	06451	REMOVE SIGN SUPPORT BEAM	105.00	EACH
1675	06472	INSTALL SPAN MOUNTED SIGN	3.00	EACH
1680	06478	OSS GALV STEEL 75 FT TRUSS	1.00	EACH
1685	06480	OSS GALV STEEL 85 FT TRUSS	4.00	EACH
1690	06481	OSS GALV STEEL 90 FT TRUSS	4.00	EACH
1695	06482	OSS GALV STEEL 95 FT TRUSS	1.00	EACH
1700	06490	CLASS A CONCRETE FOR SIGNS	650.00	CUYD
1705	06491	STEEL REINFORCEMENT FOR SIGNS	15,000.00	LB
1710	06495	OSS GALV STEEL 125 FT TRUSS	1.00	EACH
1715	06498	OSS GALV STEEL 140 FT TRUSS	1.00	EACH
1720	06499	OSS GALV STEEL 160 FT TRUSS	1.00	EACH
1725	20419ND	ROADWAY CROSS SECTION	15.00	EACH
1730	23157EN	TRAFFIC SIGNAL POLE BASE	16.00	CUYD
1735	23639ED	REM SIGN BRIDGE MOUNT ATTACHMENT	1.00	EACH
1740	24631EC	BARCODE SIGN INVENTORY	182.00	EACH
1745	04793	CONDUIT-1 1/4 IN	80.00	LF
1750	04795	CONDUIT-2 IN	40.00	LF
1755	04811	ELECTRICAL JUNCTION BOX TYPE B	6.00	EACH
1760	04820	TRENCHING AND BACKFILLING	596.00	LF
1765	04820	TRENCHING AND BACKFILLING	120.00	LF
1770	04829	PIEZOELECTRIC SENSOR	40.00	EACH
1775	04830	LOOP WIRE	8,392.00	LF
1780	04845	CABLE-NO. 14/7C	11,743.00	LF
1785	04886	MESSENGER-15400 LB	3,882.00	LF
1790	04895	LOOP SAW SLOT AND FILL	2,626.00	LF
1795	04932	INSTALL STEEL STRAIN POLE	16.00	EACH
1800	04953	TEMP RELOCATION OF SIGNAL HEAD	85.00	EACH
1805	04960	REMOVE AND REPLACE SIDEWALK	10.00	SQYD
1810	06406	SBM ALUM SHEET SIGNS .080 IN	77.00	SQFT
1815	06472	INSTALL SPAN MOUNTED SIGN	20.00	EACH
1820	20093NS835	INSTALL PEDESTRIAN HEAD-LED	28.00	EACH
1825	20188NS835	INSTALL LED SIGNAL-3 SECTION	37.00	EACH
1830	20189NS835	INSTALL LED SIGNAL-5 SECTION	3.00	EACH
1835	20266ES835	INSTALL LED SIGNAL- 4 SECTION	9.00	EACH
1840	20359NN	GALVANIZED STEEL CABINET	6.00	EACH
1845	20360ES818	WOOD POST	12.00	EACH
1850	20390NS835	INSTALL COORDINATING UNIT	4.00	EACH
1855	20391NS835	ELECTRICAL JUNCTION BOX TYPE A	7.00	EACH
1860	21743NN	INSTALL PEDESTRIAN DETECTOR	28.00	EACH
1865	23157EN	TRAFFIC SIGNAL POLE BASE	71.00	CUYD
1870	23222EC	INSTALL SIGNAL PEDESTAL	20.00	EACH
1875	23235EC	INSTALL PEDESTAL POST	1.00	EACH
1880	24900EC	PVC CONDUIT-1 1/4 IN-SCHEDULE 80	276.00	LF
1885	24901EC	PVC CONDUIT-2 IN-SCHEDULE 80	635.00	LF
1890	24908EC	INSTALL SIGNAL CONTROLLER-TY ATC	4.00	EACH
1895	24955ED	REMOVE SIGNAL EQUIPMENT	5.00	EACH
1900	26119EC	INSTALL RADAR PRESENCE DETECTOR TYPE A	15.00	EACH
1905	26120EC	INSTALL RADAR ADVANCE DETECTOR TYPE B	1.00	EACH

MATERIAL SUMMARY

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
1910	04700	POLE 30 FT MTG HT	12.00	EACH
1915	04701	POLE 40 FT MTG HT	64.00	EACH
1920	04721	BRACKET 6 FT	1.00	EACH
1925	04722	BRACKET 8 FT	9.00	EACH
1930	04723	BRACKET 10 FT	6.00	EACH
1935	04724	BRACKET 12 FT	15.00	EACH
1940	04725	BRACKET 15 FT	13.00	EACH
1945	04740	POLE BASE	42.00	EACH
1950	04741	POLE BASE IN MEDIAN WALL	34.00	EACH
1955	04750	TRANSFORMER BASE	42.00	EACH
1960	04780	FUSED CONNECTOR KIT	168.00	EACH
1965	04795	CONDUIT-2 IN	1,800.00	LF
1970	04820	TRENCHING AND BACKFILLING	7,800.00	LF
1975	04832	WIRE-NO. 12	10,500.00	LF
1980	04833	WIRE-NO. 8	26,700.00	LF
1985	04834	WIRE-NO. 6	26,200.00	LF
1990	04835	WIRE-NO. 4	4,600.00	LF
1995	04940	REMOVE LIGHTING	1.00	LS
2000	20391NS835	ELECTRICAL JUNCTION BOX TYPE A	17.00	EACH
2005	20392NS835	ELECTRICAL JUNCTION BOX TYPE C	4.00	EACH
2010	20410ED	MAINTAIN LIGHTING	1.00	LS
2015	21543EN	BORE AND JACK CONDUIT	1,300.00	LF
2020	24589ED	LED LUMINAIRE	107.00	EACH
2025	24900EC	PVC CONDUIT-1 1/4 IN-SCHEDULE 80	7,000.00	LF
2030	24901EC	PVC CONDUIT-2 IN-SCHEDULE 80	1,400.00	LF
2035	24902EC	PVC CONDUIT-3 IN-SCHEDULE 80	100.00	LF
2040	00003	CRUSHED STONE BASE - (REVISED 3-18-2025)	102.00	TON
2045	00100	ASPHALT SEAL AGGREGATE	.09	TON
2050	00103	ASPHALT SEAL COAT	.02	TON
2055	00212	CL2 ASPH BASE 1.00D PG64-22 - (REVISED 3-18-25)	59.00	TON
2060	00301	CL2 ASPH SURF 0.38D PG64-22 - (REVISED 3-18-25)	40.00	TON
2065	02091	REMOVE PAVEMENT	309.00	SQYD
2070	02223	GRANULAR EMBANKMENT	510.00	CUYD
2075	02585	EDGE KEY	40.00	LF
2080	02602	FABRIC-GEOTEXTILE CLASS 1	625.00	SQYD
2085	02676	MOBILIZATION FOR MILL & TEXT	1.00	LS
2090	02677	ASPHALT PAVE MILLING & TEXTURING	10.00	TON
2095	02690	SAFELOADING	5.00	CUYD
2100	02701	TEMP SILT FENCE	2,700.00	LF
2105	02704	SILT TRAP TYPE B	10.00	EACH
2110	02705	SILT TRAP TYPE C	5.00	EACH
2115	02707	CLEAN SILT TRAP TYPE B	10.00	EACH
2120	02708	CLEAN SILT TRAP TYPE C	5.00	EACH
2125	02720	SIDEWALK-4 IN CONCRETE	10.00	SQYD
2130	02721	REMOVE CONCRETE SIDEWALK	10.00	SQYD
2135	05952	TEMP MULCH	2,750.00	SQYD
2140	05953	TEMP SEEDING AND PROTECTION	2,750.00	SQYD
2145	05985	SEEDING AND PROTECTION	6,350.00	SQYD
2150	05990	SODDING	2,158.00	SQYD
2155	08100	CONCRETE-CLASS A	2.50	CUYD

MATERIAL SUMMARY

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
2160	14009	W ENCASEMENT STEEL BORED RANGE 4	180.00	LF
2165	14010	W ENCASEMENT STEEL BORED RANGE 5 - (REVISED 3-18-25)	320.00	LF
2170	14016	W ENCASEMENT STEEL OPEN CUT RANGE 5 - (REVISED 3-18-25)	170.00	LF
2175	14019	W FIRE HYDRANT ASSEMBLY	8.00	EACH
2180	14025	W METER 1 INCH	7.00	EACH
2185	14026	W METER 1-1/2 INCH	2.00	EACH
2190	14027	W METER 2 INCH	1.00	EACH
2195	14028	W METER 3/4 INCH	9.00	EACH
2200	14035	W PIPE DUCTILE IRON 04 INCH	160.00	LF
2205	14036	W PIPE DUCTILE IRON 06 INCH	400.00	LF
2210	14037	W PIPE DUCTILE IRON 08 INCH	140.00	LF
2215	14039	W PIPE DUCTILE IRON 12 INCH	3,905.00	LF
2220	14048	W PIPE DCTL IRON RSTRND JOINT 08 IN	260.00	LF
2225	14050	W PIPE DCTL IRON RSTRND JOINT 12 IN	1,830.00	LF
2230	14074	W PLUG EXISTING MAIN - (REVISED 3-19-25)	31.00	EACH
2235	14077	W SERV PE/PLST LONG SIDE 1 IN	1.00	EACH
2240	14078	W SERV PE/PLST LONG SIDE 1-1/2 IN	1.00	EACH
2245	14080	W SERV PE/PLST LONG SIDE 3/4 IN	6.00	EACH
2250	14082	W SERV PE/PLST SHORT SIDE 1 IN	6.00	EACH
2255	14083	W SERV PE/PLST SHORT SIDE 1-1/2 IN	1.00	EACH
2260	14084	W SERV PE/PLST SHORT SIDE 2 IN	1.00	EACH
2265	14085	W SERV PE/PLST SHORT SIDE 3/4 IN	3.00	EACH
2270	14086	W SERVICE SPECIAL - (REVISED 3-19-25)	22.00	EACH
2275	14094	W TIE-IN 06 INCH	6.00	EACH
2280	14095	W TIE-IN 08 INCH - (REVISED 3-19-25)	5.00	EACH
2285	14097	W TIE-IN 12 INCH	9.00	EACH
2290	14104	W VALVE 04 INCH	1.00	EACH
2295	14105	W VALVE 06 INCH - (REVISED 3-19-25)	4.00	EACH
2300	14106	W VALVE 08 INCH - (REVISED 3-19-25)	4.00	EACH
2305	14108	W VALVE 12 INCH - (REVISED 3-19-25)	32.00	EACH
2310	14182	W METER 5/8 INCH	14.00	EACH
2315	20550ND	SAWCUT PAVEMENT	139.00	LF
2320	24970EC	ASPHALT MATERIAL FOR TACK NON-TRACKING - (REVISED 3-18-25)	.18	TON
2325	02742	TRAINEE PAYMENT REIMBURSEMENT - GROUP 2, 3, 4 OPERATOR	1,400.00	HOUR
2330	02742	TRAINEE PAYMENT REIMBURSEMENT - GROUP 2, 3, 4 OPERATOR	1,400.00	HOUR
2335	02568	MOBILIZATION	1.00	LS
2340	02569	DEMOBILIZATION	1.00	LS
2345	20411ED	LAW ENFORCEMENT OFFICER - (ADDED 3-18-25)	1,250.00	HOUR
2350	26136EC	PORTABLE QUEUE WARNING ALERT SYSTEM - (ADDED 3-19-25)	12.00	MONT
2355	26137EC	QUEUE WARNING PCMS - (ADDED 3-19-25)	72.00	MONT
2360	26138EC	QUEUE WARNING PORTABLE RADAR SENSORS - (ADDED 3-19-25)	72.00	MONT
2365	25117EC	FURNISH QUEUE PROTECTION VEHICLES - (ADDED 3-19-25)	12.00	MONT
2370	25075EC	QUEUE PROTECTION VEHICLE - (ADDED 3-19-25)	1,920.00	HOUR

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Section: 0001 - PAVING

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0010	00003		CRUSHED STONE BASE	67,098.00	TON		\$	
0020	00018		DRAINAGE BLANKET-TYPE II-ASPH	21,166.00	TON		\$	
0030	00100		ASPHALT SEAL AGGREGATE	288.00	TON		\$	
0040	00103		ASPHALT SEAL COAT	34.00	TON		\$	
0050	00190		LEVELING & WEDGING PG64-22	16,035.00	TON		\$	
0060	00194		LEVELING & WEDGING PG76-22	288.00	TON		\$	
0070	00210		CL4 ASPH BASE 1.50D PG76-22	7,656.00	TON		\$	
0080	00212		CL2 ASPH BASE 1.00D PG64-22	1,462.00	TON		\$	
0090	00214		CL3 ASPH BASE 1.00D PG64-22	6,563.00	TON		\$	
0100	00216		CL3 ASPH BASE 1.00D PG76-22	2,971.00	TON		\$	
0110	00217		CL4 ASPH BASE 1.00D PG64-22	41,716.00	TON		\$	
0120	00219		CL4 ASPH BASE 1.00D PG76-22	15,602.00	TON		\$	
0130	00296		ASPHALT PRIME COAT	67.00	TON		\$	
0140	00301		CL2 ASPH SURF 0.38D PG64-22	768.00	TON		\$	
0150	00336		CL3 ASPH SURF 0.38A PG76-22	2,099.00	TON		\$	
0160	00342		CL4 ASPH SURF 0.38A PG76-22	20,228.00	TON		\$	
0170	02084		JPC PAVEMENT-8 IN	102.00	SQYD		\$	
0180	02101		CEM CONC ENT PAVEMENT-8 IN	68.00	SQYD		\$	
0190	02677		ASPHALT PAVE MILLING & TEXTURING	15,046.00	TON		\$	
0200	22906ES403		CL3 ASPH SURF 0.38A PG64-22	896.00	TON		\$	
0210	24970EC		ASPHALT MATERIAL FOR TACK NON-TRACKING	150.00	TON		\$	

Section: 0002 - ROADWAY

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0220	00078		CRUSHED AGGREGATE SIZE NO 2	5,782.00	TON		\$	
0230	01314		PLUG PIPE	12.00	EACH		\$	
0240	01584		CAP DROP BOX INLET	3.00	EACH		\$	
0250	01691		FLUME INLET TYPE 2	2.00	EACH		\$	
0260	01717		FILL AND CAP INLET	12.00	EACH		\$	
0270	01786		FILL AND CAP MANHOLE	1.00	EACH		\$	
0280	01791		ADJUST MANHOLE FRAME TO GRADE	2.00	EACH		\$	
0290	01792		ADJUST MANHOLE	2.00	EACH		\$	
0300	01810		STANDARD CURB AND GUTTER	2,365.00	LF		\$	
0310	01811		STANDARD CURB AND GUTTER MOD	5,018.00	LF		\$	
0320	01875		STANDARD HEADER CURB	703.00	LF		\$	
0330	01917		STANDARD BARRIER MEDIAN TYPE 2	984.00	SQYD		\$	
0340	01921		STANDARD BARRIER MEDIAN TYPE 4	126.00	SQYD		\$	
0350	01978		CONC MEDIAN BARRIER TYPE A TL5 56 IN	5,529.00	LF		\$	
0360	01982		DELINEATOR FOR GUARDRAIL MONO DIRECTIONAL WHITE	78.00	EACH		\$	
0370	01983		DELINEATOR FOR GUARDRAIL MONO DIRECTIONAL YELLOW	129.00	EACH		\$	
0380	02003		RELOCATE TEMP CONC BARRIER	19,527.00	LF		\$	
0390	02014		BARRICADE-TYPE III	138.00	EACH		\$	
0400	02155		PAVED DITCH TYPE 1 MOD	424.00	SQYD		\$	

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0410	02159		TEMP DITCH	15,175.00	LF		\$	
0420	02160		CLEAN TEMP DITCH	7,588.00	LF		\$	
0430	02200		ROADWAY EXCAVATION	183,650.00	CUYD		\$	
0440	02242		WATER	3,275.00	MGAL		\$	
0450	02262		FENCE-WOVEN WIRE TYPE 1	4,254.00	LF		\$	
0460	02367		GUARDRAIL END TREATMENT TYPE 1	8.00	EACH		\$	
0470	02369		GUARDRAIL END TREATMENT TYPE 2A	13.00	EACH		\$	
0480	02381		REMOVE GUARDRAIL	13,956.00	LF		\$	
0490	02391		GUARDRAIL END TREATMENT TYPE 4A	4.00	EACH		\$	
0500	02429		RIGHT-OF-WAY MONUMENT TYPE 1	25.00	EACH		\$	
0510	02430		RIGHT-OF-WAY MONUMENT TYPE 1A	7.00	EACH		\$	
0520	02432		WITNESS POST	3.00	EACH		\$	
0530	02483		CHANNEL LINING CLASS II	6,220.00	TON		\$	
0540	02484		CHANNEL LINING CLASS III	2,187.00	TON		\$	
0550	02545		CLEARING AND GRUBBING 57.9 ACRES	1.00	LS		\$	
0560	02555		CONCRETE-CLASS B	75.25	CUYD		\$	
0570	02562		TEMPORARY SIGNS	3,950.00	SQFT		\$	
0580	02585		EDGE KEY	578.00	LF		\$	
0590	02602		FABRIC-GEOTEXTILE CLASS 1	19,174.00	SQYD		\$	
0600	02604		FABRIC-GEOTEXTILE CLASS 1A	7,500.00	SQYD		\$	
0610	02650		MAINTAIN & CONTROL TRAFFIC	1.00	LS		\$	
0620	02650		MAINTAIN & CONTROL TRAFFIC	1.00	LS		\$	
0630	02671		PORTABLE CHANGEABLE MESSAGE SIGN	8.00	EACH		\$	
0640	02676		MOBILIZATION FOR MILL & TEXT	1.00	LS		\$	
0650	02676		MOBILIZATION FOR MILL & TEXT	1.00	LS		\$	
0660	02690		SAFELOADING	168.00	CUYD		\$	
0670	02701		TEMP SILT FENCE	15,175.00	LF		\$	
0680	02703		SILT TRAP TYPE A	101.00	EACH		\$	
0690	02704		SILT TRAP TYPE B	101.00	EACH		\$	
0700	02705		SILT TRAP TYPE C	101.00	EACH		\$	
0710	02706		CLEAN SILT TRAP TYPE A	101.00	EACH		\$	
0720	02707		CLEAN SILT TRAP TYPE B	101.00	EACH		\$	
0730	02708		CLEAN SILT TRAP TYPE C	101.00	EACH		\$	
0740	02720		SIDEWALK-4 IN CONCRETE	1,860.00	SQYD		\$	
0750	02723		SIDEWALK-6 IN CONCRETE	2,381.00	SQYD		\$	
0760	02726		STAKING	1.00	LS		\$	
0770	02726		STAKING	1.00	LS		\$	
0780	02731		REMOVE STRUCTURE REMOVAL OF EXISTING I-71 RAMP BRIDGE	1.00	LS		\$	
0790	02731		REMOVE STRUCTURE REMOVAL OF EXISTING US 42 BRIDGE OVER 1-264	1.00	LS		\$	
0800	02775		ARROW PANEL	19.00	EACH		\$	
0810	02898		RELOCATE CRASH CUSHION	4.00	EACH		\$	
0820	03171		CONC BARRIER WALL TYPE 9T	24,045.00	LF		\$	
0830	05950		EROSION CONTROL BLANKET	41,167.00	SQYD		\$	
0840	05952		TEMP MULCH	332,440.00	SQYD		\$	
0850	05953		TEMP SEEDING AND PROTECTION	254,120.00	SQYD		\$	
0860	05963		INITIAL FERTILIZER	12.75	TON		\$	
0870	05964		MAINTENANCE FERTILIZER	17.25	TON		\$	

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0880	05985		SEEDING AND PROTECTION	201,932.00	SQYD		\$	
0890	05990		SODDING	2,370.00	SQYD		\$	
0900	05992		AGRICULTURAL LIMESTONE	258.00	TON		\$	
0910	06401		FLEXIBLE DELINEATOR POST-M/W	91.00	EACH		\$	
0920	06404		FLEXIBLE DELINEATOR POST-M/Y	99.00	EACH		\$	
0930	06510		PAVE STRIPING-TEMP PAINT-4 IN	179,051.00	LF		\$	
0940	06511		PAVE STRIPING-TEMP PAINT-6 IN	143,056.00	LF		\$	
0950	06513		PAVE STRIPING-TEMP PAINT-12 IN	12,000.00	LF		\$	
0960	06515		PAVE STRIPING-PERM PAINT-6 IN	3,675.00	LF		\$	
0970	06542		PAVE STRIPING-THERMO-6 IN W	59,684.00	LF		\$	
0980	06543		PAVE STRIPING-THERMO-6 IN Y	45,751.00	LF		\$	
0990	06546		PAVE STRIPING-THERMO-12 IN W	17,178.00	LF		\$	
1000	06547		PAVE STRIPING-THERMO-12 IN Y	231.00	LF		\$	
1010	06550		PAVE STRIPING-TEMP REM TAPE-W	900.00	LF		\$	
1020	06551		PAVE STRIPING-TEMP REM TAPE-Y	900.00	LF		\$	
1030	06556		PAVE STRIPING-DUR TY 1-6 IN W	462.00	LF		\$	
1040	06557		PAVE STRIPING-DUR TY 1-6 IN Y	440.00	LF		\$	
1050	06565		PAVE MARKING-THERMO X-WALK-6 IN	2,651.00	LF		\$	
1060	06568		PAVE MARKING-THERMO STOP BAR-24IN	805.00	LF		\$	
1070	06569		PAVE MARKING-THERMO CROSS-HATCH	455.00	SQFT		\$	
1080	06570		PAVE MARKING-PAINT CROSS-HATCH	115.00	SQFT		\$	
1090	06573		PAVE MARKING-THERMO STR ARROW	12.00	EACH		\$	
1100	06574		PAVE MARKING-THERMO CURV ARROW	168.00	EACH		\$	
1110	06575		PAVE MARKING-THERMO COMB ARROW	20.00	EACH		\$	
1120	06576		PAVE MARKING-THERMO ONLY	5.00	EACH		\$	
1130	06598		PAVEMENT MARKING REMOVAL	790.00	SQFT		\$	
1140	06600		REMOVE PAVEMENT MARKER TYPE V	1,629.00	EACH		\$	
1150	06610		INLAID PAVEMENT MARKER-MW	150.00	EACH		\$	
1160	06612		INLAID PAVEMENT MARKER-BY	131.00	EACH		\$	
1170	06613		INLAID PAVEMENT MARKER-B W/R	1,681.00	EACH		\$	
1180	06614		INLAID PAVEMENT MARKER-B Y/R	162.00	EACH		\$	
1190	08903		CRASH CUSHION TY VI CLASS BT TL3	11.00	EACH		\$	
1200	10020NS		FUEL ADJUSTMENT	249,183.00	DOLL	\$1.00	\$	\$249,183.00
1210	10030NS		ASPHALT ADJUSTMENT	402,720.00	DOLL	\$1.00	\$	\$402,720.00
1220	15094		S MANHOLE ADJUST TO GRADE	5.00	EACH		\$	
1230	20071EC		JOINT ADHESIVE	113,228.00	LF		\$	
1240	20166ES810		TEMPORARY PIPE	1,000.00	LF		\$	
1250	20191ED		OBJECT MARKER TY 3	12.00	EACH		\$	
1255	20411ED		LAW ENFORCEMENT OFFICER (ADDED 3-18-25)	1,250.00	hour		\$	
1260	20432ES112		REMOVE CRASH CUSHION	2.00	EACH		\$	
1270	20550ND		SAWCUT PAVEMENT	52,499.00	LF		\$	
1280	21289ED		LONGITUDINAL EDGE KEY	46,706.00	LF		\$	
1290	21417ES717		PAVE MARK THERMO CONE CAP-SOLID YELLOW	22.00	SQFT		\$	
1300	21802EN		G/R STEEL W BEAM-S FACE (7 FT POST)	11,378.50	LF		\$	
1310	22520EN		PAVE MARKING-THERMO YIELD BAR-36 IN	122.00	LF		\$	
1320	22664EN		WATER BLASTING EXISTING STRIPE	316,200.00	LF		\$	
1330	22692NS714		PAVEMENT MARKING-THERMO LETTERS	10.00	EACH		\$	
1340	22880ED		BARRIER WALL TRANSITION	75.00	LF		\$	

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1350	23158ES505		DETECTABLE WARNINGS	795.00	SQFT		\$	
1360	23251ES717		PAVE MARK TY 1 TAPE X-WALK-6 IN	263.00	LF		\$	
1370	23261EC		PAVE MARK-THERMO-X-WALK-24 IN	350.00	LF		\$	
1380	23265ES717		PAVE MARK TY 1 TAPE STOP BAR-24 IN	25.00	LF		\$	
1390	23270ES717		PAVE MARK TY 1 TAPE-CURV ARROW	2.00	EACH		\$	
1400	23314EC		CONCRETE TRENCH	1,612.00	LF		\$	
1410	23607EC		PAVE MARK THERMO-LANE REDUCTION ARROW	21.00	EACH		\$	
1420	23871EC		PAVE STRIPE-WET REF TAPE-6 IN Y	161.00	LF		\$	
1430	23872EC		PAVE STRIPE-WET REF TAPE-6 IN W	399.00	LF		\$	
1440	24280EC		PAVE MARK THERMO CHEVRON-48 IN	3,492.00	LF		\$	
1450	24544EC		REMOVE REMOVE BARRIER WALL AND RAILING SYSTEM AND SOUND WALL	4,049.00	LF		\$	
1470	24640ED		OBJECT MARKER TYPE 1	11.00	EACH		\$	
1480	24679ED		PAVE MARK THERMO CHEVRON	1,279.00	SQFT		\$	
1490	24683ED		PAVE MARKING-THERMO DOTTED LANE EXTEN	294.00	LF		\$	
1500	24689EC		PAVE MARK THERMO-WRONG WAY ARROW	14.00	EACH		\$	
1510	24744ED		GUARDRAIL CONN TO CONC MED BARR MOD-CR	1.00	EACH		\$	
1520	24899EC		PAVE MARKING-THERMO ELONG ROUTE SHIELD	18.00	EACH		\$	
1530	25028ED		RAIL SYSTEM SINGLE SLOPE - 40 IN PRICE INCLUDES MOMENT SLAB FOR BARRIER	8,545.00	LF		\$	
1540	25078ED		THRIE BEAM GUARDRAIL TRANSITION TL-3	10.00	EACH		\$	
1550	25079ED		THRIE BEAM GUARDRAIL TRANSITION TL-2	4.00	EACH		\$	
1551	26136EC		PORTABLE QUEUE WARNING ALERT SYSTEM (ADDED 3-19-25)	12.00	MONT		\$	
1552	26137EC		QUEUE WARNING PCMS (ADDED 3-19-25)	72.00	MONT		\$	
1553	26138EC		QUEUE WARNING PORTABLE RADAR SENSORS (ADDED 3-19-25)	72.00	MONT		\$	
1554	25117EC		FURNISH QUEUE PROTECTION VEHICLES (ADDED 3-19-25)	12.00	MONT		\$	
1555	25075EC		QUEUE PROTECTION VEHICLE (ADDED 3-19-25)	1,920.00	HOURL		\$	
1560	26146ES717		PAVE MARK TY 1 TAPE LANE REDUCTION ARROW	1.00	EACH		\$	
1570	26155EC		PAVE MARK-THERMO POLY MOD LANE USE ARROW	8.00	EACH		\$	
1580	26156EC		PAVE MARK-THERMO POLY MOD LANE COMBO ARR	8.00	EACH		\$	
1590	26164ES717		PAVE MARK TY 1 TAPE X-WALK-24 IN	350.00	LF		\$	
1600	26240EC		PAVE STRIPE-WET REF CONT TAPE-6 IN W	1,424.00	LF		\$	
1610	26241EC		PAVE STRIPE-WET REF CONT TAPE-6 IN Y	712.00	LF		\$	

Section: 0003 - DRAINAGE

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1620	00462		CULVERT PIPE-18 IN	45.00	LF		\$	
1630	00464		CULVERT PIPE-24 IN	93.00	LF		\$	
1640	00466		CULVERT PIPE-30 IN	79.00	LF		\$	
1650	00468		CULVERT PIPE-36 IN	14.00	LF		\$	
1660	00470		CULVERT PIPE-48 IN	19.00	LF		\$	
1670	00521		STORM SEWER PIPE-15 IN	3,575.00	LF		\$	
1680	00522		STORM SEWER PIPE-18 IN	5,490.00	LF		\$	
1690	00524		STORM SEWER PIPE-24 IN	1,083.00	LF		\$	
1700	00526		STORM SEWER PIPE-30 IN	199.00	LF		\$	
1710	00528		STORM SEWER PIPE-36 IN	1,072.00	LF		\$	
1720	00529		STORM SEWER PIPE-42 IN	1,390.00	LF		\$	
1730	00530		STORM SEWER PIPE-48 IN	1,485.00	LF		\$	
1740	00551		STORM SEWER PIPE-15 IN EQUIV	30.00	LF		\$	
1750	01001		PERFORATED PIPE-6 IN	20,363.00	LF		\$	
1760	01011		NON-PERFORATED PIPE-6 IN	8,122.00	LF		\$	
1770	01015		INSPECT & CERTIFY EDGE DRAIN SYSTEM	1.00	LS		\$	
1780	01025		PERF PIPE HEADWALL TY 2-6 IN	12.00	EACH		\$	
1790	01029		PERF PIPE HEADWALL TY 3-6 IN	12.00	EACH		\$	
1800	01033		PERF PIPE HEADWALL TY 4-6 IN	8.00	EACH		\$	
1810	01202		PIPE CULVERT HEADWALL-15 IN	20.00	EACH		\$	
1820	01204		PIPE CULVERT HEADWALL-18 IN	20.00	EACH		\$	
1830	01208		PIPE CULVERT HEADWALL-24 IN	3.00	EACH		\$	
1840	01210		PIPE CULVERT HEADWALL-30 IN	1.00	EACH		\$	
1850	01212		PIPE CULVERT HEADWALL-36 IN	4.00	EACH		\$	
1860	01441		SLOPED BOX INLET-OUTLET TYPE 2	2.00	EACH		\$	
1870	01451		S & F BOX INLET-OUTLET-24 IN	1.00	EACH		\$	
1880	01456		CURB BOX INLET TYPE A	19.00	EACH		\$	
1890	01459		CURB BOX INLET TYPE A MOD	8.00	EACH		\$	
1900	01480		CURB BOX INLET TYPE B	5.00	EACH		\$	
1910	01484		CURB BOX INLET TYPE B-T	1.00	EACH		\$	
1920	01490		DROP BOX INLET TYPE 1	8.00	EACH		\$	
1930	01491		DROP BOX INLET TYPE 1 MOD	4.00	EACH		\$	
1940	01494		DROP BOX INLET TYPE 2 MOD	2.00	EACH		\$	
1950	01496		DROP BOX INLET TYPE 3	1.00	EACH		\$	
1960	01502		DROP BOX INLET TYPE 5A	4.00	EACH		\$	
1970	01542		DROP BOX INLET TYPE 10 MOD	4.00	EACH		\$	
1980	01544		DROP BOX INLET TYPE 11	2.00	EACH		\$	
1990	01559		DROP BOX INLET TYPE 13G	9.00	EACH		\$	
2000	01568		DROP BOX INLET TYPE 13S	4.00	EACH		\$	
2010	01577		DROP BOX INLET TYPE 14	1.00	EACH		\$	
2020	01580		DROP BOX INLET TYPE 15	2.00	EACH		\$	
2030	01587		DROP BOX INLET TYPE 16S	1.00	EACH		\$	
2040	01597		CONC MED BARR BOX INLET TY A1	3.00	EACH		\$	
2050	01598		CONC MED BARR BOX INLET TY B1	51.00	EACH		\$	
2060	01623		CONC MED BARR BOX INLET TY B1 TL5 56	8.00	EACH		\$	
2070	01624		CONC MED BARR BOX INLET TY B2 TL5 56	24.00	EACH		\$	
2080	01626		CONC MED BARR BOX INLET TY A2 TL5 56	1.00	EACH		\$	
2090	01650		JUNCTION BOX	21.00	EACH		\$	
2100	01720		RECONSTRUCT INLET	2.00	EACH		\$	
2110	01741		CORED HOLE DRAINAGE BOX CON-6 IN	104.00	EACH		\$	

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2120	01756		MANHOLE TYPE A	4.00	EACH		\$	
2130	01768		MANHOLE TYPE C MOD	1.00	EACH		\$	
2140	02478		CAP INLET	8.00	SQYD		\$	
2150	02607		FABRIC-GEOTEXTILE CLASS 2 FOR PIPE	19,992.00	SQYD	\$2.00	\$	\$39,984.00
2160	08100		CONCRETE-CLASS A	31.00	CUYD		\$	
2170	20571ES710		DROP BOX INLET TY 16G(MOD)	4.00	EACH		\$	
2180	21541NN		CORED HOLE DRAINAGE BOX CON- 18 IN	7.00	EACH		\$	
2190	23074NN		ADJUST DRAINAGE STRUCTURE	3.00	EACH		\$	
2200	23610NC		CORED HOLE DRAINAGE BOX CON	1.00	EACH		\$	
2210	23952EC		DRAINAGE JUNCTION BOX TY B	3.00	EACH		\$	
2220	24186EC		BORE AND JACK PIPE-36 IN	155.00	LF		\$	
2230	24814EC		PIPELINE INSPECTION	14,148.00	LF		\$	

Section: 0004 - BRIDGE

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2240	03299		ARMORED EDGE FOR CONCRETE	256.00	LF		\$	
2250	08472		EXPANSION DAM-4 IN NEOPRENE	256.00	LF		\$	

Section: 0005 - BRIDGE- CULVERT - WESTPORT ROAD RAMP - DWG. 28945

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2260	02403		REMOVE CONCRETE MASONRY	13.00	CUYD		\$	
2270	08003		FOUNDATION PREPARATION	1.00	LS		\$	
2280	08100		CONCRETE-CLASS A	25.30	CUYD		\$	
2290	08150		STEEL REINFORCEMENT	2,523.00	LB		\$	

Section: 0006 - BRIDGE- CULVERT - I-71 NB RAMP - DWG. 28946

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2300	02403		REMOVE CONCRETE MASONRY	12.00	CUYD		\$	
2310	08003		FOUNDATION PREPARATION	1.00	LS		\$	
2320	08100		CONCRETE-CLASS A	26.40	CUYD		\$	
2330	08150		STEEL REINFORCEMENT	2,095.00	LB		\$	
2340	23929EC	AA1	LIGHTWEIGHT AGGREGATE FILL	156.00	CUYD		\$	
2350	23931EC	AA2	EPS FOAM BLOCK	2,524.00	CUFT		\$	
2360	26145EC	AA2	4 IN CONCRETE LOAD DISTRIBUTOR	94.00	SQYD		\$	

Section: 0007 - BRIDGE- CULVERT - I-264 - DWG. 28947

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2370	02223		GRANULAR EMBANKMENT	70.00	CUYD		\$	
2380	08003		FOUNDATION PREPARATION	1.00	LS		\$	
2390	08100		CONCRETE-CLASS A	50.10	CUYD		\$	

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2400	08150		STEEL REINFORCEMENT	4,590.00	LB		\$	

Section: 0008 - BRIDGE- CULVERT - I-71 SB - DWG. 28948

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2410	02223		GRANULAR EMBANKMENT	146.00	CUYD		\$	
2420	08003		FOUNDATION PREPARATION	1.00	LS		\$	
2430	08100		CONCRETE-CLASS A	38.10	CUYD		\$	
2440	08150		STEEL REINFORCEMENT (REVISED 3-12-25)	4,340.00	LB		\$	
2450	23931EC		EPS FOAM BLOCK	36,830.00	CUFT		\$	

Section: 0009 - BRIDGE - I-71 SB - DWG. 28949

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2460	02231		STRUCTURE GRANULAR BACKFILL	1,000.00	CUYD		\$	
2470	03299		ARMORED EDGE FOR CONCRETE	137.40	LF		\$	
2480	08002		STRUCTURE EXCAV-SOLID ROCK	395.00	CUYD		\$	
2490	08003		FOUNDATION PREPARATION	1.00	LS		\$	
2500	08100		CONCRETE-CLASS A	201.00	CUYD		\$	
2510	08104		CONCRETE-CLASS AA	589.90	CUYD		\$	
2520	08130		MECHANICAL REINF COUPLER #5	24.00	EACH		\$	
2530	08134		MECHANICAL REINF COUPLER #9	32.00	EACH		\$	
2540	08140		MECHANICAL REINF COUPLER #5 EPOXY COATED	588.00	EACH		\$	
2550	08150		STEEL REINFORCEMENT (REVISED 3-12-25)	39,830.00	LB		\$	
2560	08151		STEEL REINFORCEMENT-EPOXY COATED (REVISED 3-12-25)	87,460.00	LB		\$	
2570	08160		STRUCTURAL STEEL 782,400 LBS	1.00	LS		\$	
2580	08170		SHEAR CONNECTORS 3720 EACH	1.00	LS		\$	
2590	20745ED		ROCK SOUNDINGS	128.00	LF		\$	
2600	20746ED		ROCK CORINGS	302.00	LF		\$	
2610	23378EC		CONCRETE SEALING	23,320.00	SQFT		\$	
2620	25028ED		RAIL SYSTEM SINGLE SLOPE - 40 IN	394.80	LF		\$	
2630	26172EC		DRILLED SHAFT-36 IN SOLID ROCK	112.00	LF		\$	
2640	26173EC		DRILLED SHAFT-42 IN COMMON	80.00	LF		\$	

Section: 0010 - BRIDGE - US 42 - DWG. 28950

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2650	02231		STRUCTURE GRANULAR BACKFILL	11,000.00	CUYD		\$	
2660	02998		MASONRY COATING	2,808.00	SQYD		\$	
2670	03299		ARMORED EDGE FOR CONCRETE	2,120.00	LF		\$	
2680	08002		STRUCTURE EXCAV-SOLID ROCK	127.00	CUYD		\$	

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2690	08003		FOUNDATION PREPARATION	1.00	LS		\$	
2700	08100		CONCRETE-CLASS A	1,709.70	CUYD		\$	
2710	08104		CONCRETE-CLASS AA	1,064.30	CUYD		\$	
2720	08140		MECHANICAL REINF COUPLER #5 EPOXY COATED	86.00	EACH		\$	
2730	08141		MECHANICAL REINF COUPLER #6 EPOXY COATED	86.00	EACH		\$	
2740	08151		STEEL REINFORCEMENT-EPOXY COATED (REVISED 3-12-25)	790,862.00	LB		\$	
2750	08160		STRUCTURAL STEEL 29,904 LBS	1.00	LS		\$	
2760	08170		SHEAR CONNECTORS 804 EACH	1.00	LS		\$	
2770	08500		APPROACH SLAB	1,392.00	SQYD		\$	
2780	08672		PRECAST PC BOX BEAM SB42	2,192.00	LF		\$	
2790	08711		BRIDGE CHAIN LINK FENCE-6 FT	216.00	LF		\$	
2800	20745ED		ROCK SOUNDINGS	174.00	LF		\$	
2810	20746ED		ROCK CORINGS	1,705.00	LF		\$	
2820	23000EX		DRILLED SHAFT-66 IN (ROCK)	682.00	LF		\$	
2830	23158ES505		DETECTABLE WARNINGS	204.00	SQFT		\$	
2840	23249EC		DRILLED SHAFT-72 IN COMMON	70.00	LF		\$	
2850	23378EC		CONCRETE SEALING	26,613.00	SQFT		\$	
2860	24405EC		MECHANICAL REINF COUPLER #8-EPOXY COATED	3.00	EACH		\$	
2870	25027ED		RAIL SYSTEM SINGLE SLOPE - 36 IN	356.00	LF		\$	
2880	25029ED		STEEL HANDRAIL	356.00	LF		\$	
2890	25121EC		MECHANICAL REINF COUPLER #10-EPOXY COAT	52.00	EACH		\$	

Section: 0011 - BRIDGE- SOUND BARRIER WALLS - DWG. 28951

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2900	21590EN		SOUND BARRIER WALL	258,478.00	SQFT		\$	
2910	23583EC		DRILLED SHAFT-48 IN-COMMON	10.00	LF		\$	
2920	23584EC		DRILLED SHAFT-42 IN-ROCK	6.00	LF		\$	
2930	26172EC		DRILLED SHAFT-36 IN SOLID ROCK	2,268.00	LF		\$	
2940	26173EC		DRILLED SHAFT-42 IN COMMON	3,401.00	LF		\$	

Section: 0012 - SIGNING

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2950	01986		DELINEATOR FOR BARRIER WALL-B/Y	50.00	EACH		\$	
2960	04886		MESSENGER-15400 LB	210.00	LF		\$	
2970	04932		INSTALL STEEL STRAIN POLE	4.00	EACH		\$	
2980	06405		SBM ALUMINUM PANEL SIGNS	11,360.00	SQFT		\$	
2990	06406		SBM ALUM SHEET SIGNS .080 IN	184.00	SQFT		\$	
3000	06407		SBM ALUM SHEET SIGNS .125 IN	1,614.00	SQFT		\$	
3010	06410		STEEL POST TYPE 1	1,065.00	LF		\$	
3020	06411		STEEL POST TYPE 2	2,640.00	LF		\$	

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
3030	06412		STEEL POST MILE MARKERS	12.00	EACH		\$	
3040	06448		SIGN BRIDGE ATTACHMENT BRACKET	4.00	EACH		\$	
3050	06449		REM OVERHEAD SIGN SUPPORT STR	8.00	EACH		\$	
3060	06450		REM OVERHEAD STRUC CONC BASE	16.00	EACH		\$	
3070	06451		REMOVE SIGN SUPPORT BEAM	105.00	EACH		\$	
3080	06472		INSTALL SPAN MOUNTED SIGN	3.00	EACH		\$	
3090	06478		OSS GALV STEEL 75 FT TRUSS	1.00	EACH		\$	
3100	06480		OSS GALV STEEL 85 FT TRUSS	4.00	EACH		\$	
3110	06481		OSS GALV STEEL 90 FT TRUSS	4.00	EACH		\$	
3120	06482		OSS GALV STEEL 95 FT TRUSS	1.00	EACH		\$	
3130	06490		CLASS A CONCRETE FOR SIGNS	650.00	CUYD		\$	
3140	06491		STEEL REINFORCEMENT FOR SIGNS	15,000.00	LB		\$	
3150	06495		OSS GALV STEEL 125 FT TRUSS	1.00	EACH		\$	
3160	06498		OSS GALV STEEL 140 FT TRUSS	1.00	EACH		\$	
3170	06499		OSS GALV STEEL 160 FT TRUSS	1.00	EACH		\$	
3180	20419ND		ROADWAY CROSS SECTION	15.00	EACH		\$	
3190	23157EN		TRAFFIC SIGNAL POLE BASE	16.00	CUYD		\$	
3200	23639ED		REM SIGN BRIDGE MOUNT ATTACHMENT	1.00	EACH		\$	
3210	24631EC		BARCODE SIGN INVENTORY	182.00	EACH		\$	

Section: 0013 - SIGNALIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
3220	04793		CONDUIT-1 1/4 IN	80.00	LF		\$	
3230	04795		CONDUIT-2 IN	40.00	LF		\$	
3240	04811		ELECTRICAL JUNCTION BOX TYPE B	6.00	EACH		\$	
3250	04820		TRENCHING AND BACKFILLING	716.00	LF		\$	
3260	04829		PIEZOELECTRIC SENSOR	40.00	EACH		\$	
3270	04830		LOOP WIRE	8,392.00	LF		\$	
3280	04845		CABLE-NO. 14/7C	11,743.00	LF		\$	
3290	04886		MESSENGER-15400 LB	3,882.00	LF		\$	
3300	04895		LOOP SAW SLOT AND FILL	2,626.00	LF		\$	
3310	04932		INSTALL STEEL STRAIN POLE	16.00	EACH		\$	
3320	04953		TEMP RELOCATION OF SIGNAL HEAD	85.00	EACH		\$	
3330	04960		REMOVE AND REPLACE SIDEWALK	10.00	SQYD		\$	
3340	06406		SBM ALUM SHEET SIGNS .080 IN	77.00	SQFT		\$	
3350	06472		INSTALL SPAN MOUNTED SIGN	20.00	EACH		\$	
3360	20093NS835		INSTALL PEDESTRIAN HEAD-LED	28.00	EACH		\$	
3370	20188NS835		INSTALL LED SIGNAL-3 SECTION	37.00	EACH		\$	
3380	20189NS835		INSTALL LED SIGNAL-5 SECTION	3.00	EACH		\$	
3390	20266ES835		INSTALL LED SIGNAL- 4 SECTION	9.00	EACH		\$	
3400	20359NN		GALVANIZED STEEL CABINET	6.00	EACH		\$	
3410	20360ES818		WOOD POST	12.00	EACH		\$	
3420	20390NS835		INSTALL COORDINATING UNIT	4.00	EACH		\$	
3430	20391NS835		ELECTRICAL JUNCTION BOX TYPE A	7.00	EACH		\$	
3440	21743NN		INSTALL PEDESTRIAN DETECTOR	28.00	EACH		\$	
3450	23157EN		TRAFFIC SIGNAL POLE BASE	71.00	CUYD		\$	
3460	23222EC		INSTALL SIGNAL PEDESTAL	20.00	EACH		\$	

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
3470	23235EC		INSTALL PEDESTAL POST	1.00	EACH		\$	
3480	24900EC		PVC CONDUIT-1 1/4 IN-SCHEDULE 80	276.00	LF		\$	
3490	24901EC		PVC CONDUIT-2 IN-SCHEDULE 80	635.00	LF		\$	
3500	24908EC		INSTALL SIGNAL CONTROLLER-TY ATC	4.00	EACH		\$	
3510	24955ED		REMOVE SIGNAL EQUIPMENT	5.00	EACH		\$	
3520	26119EC		INSTALL RADAR PRESENCE DETECTOR TYPE A	15.00	EACH		\$	
3530	26120EC		INSTALL RADAR ADVANCE DETECTOR TYPE B	1.00	EACH		\$	

Section: 0014 - LIGHTING

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
3540	04700		POLE 30 FT MTG HT	12.00	EACH		\$	
3550	04701		POLE 40 FT MTG HT	64.00	EACH		\$	
3560	04721		BRACKET 6 FT	1.00	EACH		\$	
3570	04722		BRACKET 8 FT	9.00	EACH		\$	
3580	04723		BRACKET 10 FT	6.00	EACH		\$	
3590	04724		BRACKET 12 FT	15.00	EACH		\$	
3600	04725		BRACKET 15 FT	13.00	EACH		\$	
3610	04740		POLE BASE	42.00	EACH		\$	
3620	04741		POLE BASE IN MEDIAN WALL	34.00	EACH		\$	
3630	04750		TRANSFORMER BASE	42.00	EACH		\$	
3640	04780		FUSED CONNECTOR KIT	168.00	EACH		\$	
3650	04795		CONDUIT-2 IN	1,800.00	LF		\$	
3660	04820		TRENCHING AND BACKFILLING	7,800.00	LF		\$	
3670	04832		WIRE-NO. 12	10,500.00	LF		\$	
3680	04833		WIRE-NO. 8	26,700.00	LF		\$	
3690	04834		WIRE-NO. 6	26,200.00	LF		\$	
3700	04835		WIRE-NO. 4	4,600.00	LF		\$	
3710	04940		REMOVE LIGHTING	1.00	LS		\$	
3720	20391NS835		ELECTRICAL JUNCTION BOX TYPE A	17.00	EACH		\$	
3730	20392NS835		ELECTRICAL JUNCTION BOX TYPE C	4.00	EACH		\$	
3740	20410ED		MAINTAIN LIGHTING	1.00	LS		\$	
3750	21543EN		BORE AND JACK CONDUIT	1,300.00	LF		\$	
3760	24589ED		LED LUMINAIRE	107.00	EACH		\$	
3770	24900EC		PVC CONDUIT-1 1/4 IN-SCHEDULE 80	7,000.00	LF		\$	
3780	24901EC		PVC CONDUIT-2 IN-SCHEDULE 80	1,400.00	LF		\$	
3790	24902EC		PVC CONDUIT-3 IN-SCHEDULE 80	100.00	LF		\$	

Section: 0015 - WATERLINE

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
3800	00003		CRUSHED STONE BASE (REVISED 3-18-2025)	102.00	TON		\$	
3810	00100		ASPHALT SEAL AGGREGATE	.09	TON		\$	
3820	00103		ASPHALT SEAL COAT	.02	TON		\$	

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
3830	00212		CL2 ASPH BASE 1.00D PG64-22 (REVISED 3-18-25)	59.00	TON		\$	
3840	00301		CL2 ASPH SURF 0.38D PG64-22 (REVISED 3-18-25)	40.00	TON		\$	
3850	02091		REMOVE PAVEMENT	309.00	SQYD		\$	
3860	02223		GRANULAR EMBANKMENT	510.00	CUYD		\$	
3870	02585		EDGE KEY	40.00	LF		\$	
3880	02602		FABRIC-GEOTEXTILE CLASS 1	625.00	SQYD		\$	
3890	02676		MOBILIZATION FOR MILL & TEXT	1.00	LS		\$	
3900	02677		ASPHALT PAVE MILLING & TEXTURING	10.00	TON		\$	
3910	02690		SAFELOADING	5.00	CUYD		\$	
3920	02701		TEMP SILT FENCE	2,700.00	LF		\$	
3930	02704		SILT TRAP TYPE B	10.00	EACH		\$	
3940	02705		SILT TRAP TYPE C	5.00	EACH		\$	
3950	02707		CLEAN SILT TRAP TYPE B	10.00	EACH		\$	
3960	02708		CLEAN SILT TRAP TYPE C	5.00	EACH		\$	
3970	02720		SIDEWALK-4 IN CONCRETE	10.00	SQYD		\$	
3980	02721		REMOVE CONCRETE SIDEWALK	10.00	SQYD		\$	
3990	05952		TEMP MULCH	2,750.00	SQYD		\$	
4000	05953		TEMP SEEDING AND PROTECTION	2,750.00	SQYD		\$	
4010	05985		SEEDING AND PROTECTION	6,350.00	SQYD		\$	
4020	05990		SODDING	2,158.00	SQYD		\$	
4030	08100		CONCRETE-CLASS A	2.50	CUYD		\$	
4040	14009		W ENCASEMENT STEEL BORED RANGE 4	180.00	LF		\$	
4050	14010		W ENCASEMENT STEEL BORED RANGE 5 (REVISED 3-18-25)	320.00	LF		\$	
4060	14016		W ENCASEMENT STEEL OPEN CUT RANGE 5 (REVISED 3-18-25)	170.00	LF		\$	
4070	14019		W FIRE HYDRANT ASSEMBLY	8.00	EACH		\$	
4080	14025		W METER 1 INCH	7.00	EACH		\$	
4090	14026		W METER 1-1/2 INCH	2.00	EACH		\$	
4100	14027		W METER 2 INCH	1.00	EACH		\$	
4110	14028		W METER 3/4 INCH	9.00	EACH		\$	
4120	14035		W PIPE DUCTILE IRON 04 INCH	160.00	LF		\$	
4130	14036		W PIPE DUCTILE IRON 06 INCH	400.00	LF		\$	
4140	14037		W PIPE DUCTILE IRON 08 INCH	140.00	LF		\$	
4150	14039		W PIPE DUCTILE IRON 12 INCH	3,905.00	LF		\$	
4160	14048		W PIPE DCTL IRON RSTRND JOINT 08 IN	260.00	LF		\$	
4170	14050		W PIPE DCTL IRON RSTRND JOINT 12 IN	1,830.00	LF		\$	
4180	14074		W PLUG EXISTING MAIN (REVISED 3-19-25)	31.00	EACH		\$	
4190	14077		W SERV PE/PLST LONG SIDE 1 IN	1.00	EACH		\$	
4200	14078		W SERV PE/PLST LONG SIDE 1-1/2 IN	1.00	EACH		\$	
4210	14080		W SERV PE/PLST LONG SIDE 3/4 IN	6.00	EACH		\$	
4220	14082		W SERV PE/PLST SHORT SIDE 1 IN	6.00	EACH		\$	
4230	14083		W SERV PE/PLST SHORT SIDE 1-1/2 IN	1.00	EACH		\$	
4240	14084		W SERV PE/PLST SHORT SIDE 2 IN	1.00	EACH		\$	
4250	14085		W SERV PE/PLST SHORT SIDE 3/4 IN	3.00	EACH		\$	
4260	14086		W SERVICE SPECIAL (REVISED 3-19-25)	22.00	EACH		\$	
4270	14094		W TIE-IN 06 INCH	6.00	EACH		\$	

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
4280	14095		W TIE-IN 08 INCH (REVISED 3-19-25)	5.00	EACH		\$	
4290	14097		W TIE-IN 12 INCH	9.00	EACH		\$	
4300	14104		W VALVE 04 INCH	1.00	EACH		\$	
4310	14105		W VALVE 06 INCH (REVISED 3-19-25)	4.00	EACH		\$	
4320	14106		W VALVE 08 INCH (REVISED 3-19-25)	4.00	EACH		\$	
4330	14108		W VALVE 12 INCH (REVISED 3-19-25)	32.00	EACH		\$	
4340	14182		W METER 5/8 INCH	14.00	EACH		\$	
4350	20550ND		SAWCUT PAVEMENT	139.00	LF		\$	
4360	24970EC		ASPHALT MATERIAL FOR TACK NON- TRACKING (REVISED 3-18-25)	.18	TON		\$	

Section: 0016 - TRAINEES

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
4370	02742		TRAINEE PAYMENT REIMBURSEMENT GROUP 2, 3, 4 OPERATOR	1,400.00	HOUR		\$	
4380	02742		TRAINEE PAYMENT REIMBURSEMENT GROUP 2, 3, 4 OPERATOR	1,400.00	HOUR		\$	

Section: 0017 - DEMOBILIZATION &/OR MOBILIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
4390	02568		MOBILIZATION	1.00	LS		\$	
4400	02569		DEMOBILIZATION	1.00	LS		\$	

NOTES:

1 INCLUDES FURNISHING AND INSTALLING 180 LF OF 16 INCH STEEL ENCASEMENT, TRENCHING/EXCAVATION (INCLUDING ROCK) AND INITIAL/FINAL BACKFILLING, BEDDING, LAYOUT, SHORING, SHEETING AND BRACING, EROSION CONTROL DEVICES, AND ALL OTHER APPURTENANCES REQUIRED FOR CONSTRUCTION OF THE ENCASEMENT. INSTALL PER MANUFACTURER'S SPECIFICATIONS.

2 INCLUDES FURNISHING AND INSTALLING 490 LF OF 24 INCH STEEL ENCASEMENT, TRENCHING/EXCAVATION (INCLUDING ROCK) AND INITIAL/FINAL BACKFILLING, BEDDING, LAYOUT, SHORING, SHEETING AND BRACING, EROSION CONTROL DEVICES, AND ALL OTHER APPURTENANCES REQUIRED FOR CONSTRUCTION OF THE ENCASEMENT. INSTALL PER MANUFACTURER'S SPECIFICATIONS.

3 INCLUDES ALL LABOR, EQUIPMENT, NEW FIRE HYDRANT, ISOLATING VALVE AND VALVE BOX, CONCRETE PAD AROUND VALVE BOX (WHEN SPECIFIED IN SPECIFICATIONS OR PLANS), PIPING, ANCHORING TEE, ANCHORING COUPLINGS, FIRE HYDRANT EXTENSION, EXCAVATION, CONCRETE BLOCKING, GRANULAR DRAINAGE MATERIAL, BACKFILL, AND RESTORATION, TO INSTALL A NEW FIRE HYDRANT ASSEMBLY AS INDICATED ON PLANS AND ON STANDARD DRAWINGS COMPLETE AND READY FOR USE. NO ADDITIONAL PAYMENT WILL BE MADE FOR ROCK EXCAVATION. INSTALL ALL NECESSARY ITEMS PER MANUFACTURER'S SPECIFICATIONS. (INCLUDES ALL APPURTENANCES, REMOVAL OF ANY EXISTING ITEM AND/OR ADJUSTMENT, ETC).

4 THIS ITEM SHALL INCLUDE ALL LABOR, EQUIPMENT, METER, METER BOX, CASTING, YOKE, AND ANY OTHER ASSOCIATED MATERIAL NEEDED FOR INSTALLATION OF A FUNCTIONING WATER METER IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, COMPLETE AND READY FOR USE. THIS ITEM SHALL INCLUDE CONNECTIONS TO THE NEW OR EXISTING WATER SERVICE LINE.

5 INCLUDES QUANTITY FOR 4-INCH, 6-INCH, 8-INCH, AND 12-INCH DUCTILE IRON. OTHER ITEMS INCLUDED TO THIS ITEM ARE ALL FITTINGS (INCLUDING, BUT NOT LIMITED TO, BENDS, TEES, REDUCERS, PLUGS, FIELD LOKS, CAPS, ETC.), TRACING WIRE WITH TEST BOXES, POLYETHYLENE WRAP (WHEN SPECIFIED), LABOR, EQUIPMENT, EXCAVATION, BEDDING, RESTORATION, TESTING, SANITIZING, BACKFILL, AND ETC. .REQUIRED TO INSTALL THE SPECIFIED NEW PIPE (IF NECESSARY) AND NEW FITTINGS. THIS BID ITEM INCLUDES MATERIAL AND PLACEMENT OF FLOWABLE FILL UNDER EXISTING AND PROPOSED PAVEMENT, AND WHEREVER ELSE SPECIFIED BY THE ENGINEER. THIS ITEM SHALL INCLUDE ALL TEMPORARY AND PERMANENT MATERIALS AND EQUIPMENT REQUIRED TO PRESSURE TEST AND SANITIZE MAINS INCLUDING, BUT NOT LIMITED TO, PRESSURIZATION PUMPS, HOSES, TUBING, GAUGES, MAIN TAPS, SADDLES, TEMPORARY MAIN END CAPS OR PLUGS AND BLOCKING, MAIN END TAPS FOR FLUSHING, CHLORINE LIQUIDS OR TABLETS FOR SANITIZING, WATER FOR TESTING/SANITIZING AND FLUSHING (WHEN NOT SUPPLIED BY THE UTILITY), CHLORINE NEUTRALIZATION EQUIPMENT AND MATERIALS, AND ANY OTHER ITEMS NEEDED TO ACCOMPLISH PRESSURE TESTING AND SANITIZING THE MAIN INSTALLATION. THIS ITEM SHALL ALSO INCLUDE PIPE ANCHORS, AT EACH END OF POLYETHYLENE PIPE RUNS WHEN SPECIFIED TO PREVENT THE CREEP OR CONTRACTION OF THE PIPE. IF REQUIRED, COORDINATE PLACEMENT WITH THE ENGINEER. REMOVAL OF THE EXISTING WATER MAIN IS INCIDENTAL TO THIS ITEM.

6 PAYMENT UNDER THIS DESCRIPTION IS TO BE FOR VALVES BEING INSTALLED WITH THE NEW MAIN. THIS ITEM INCLUDES THE VALVE AND POLYETHYLENE WRAP (IF REQUIRED), LABOR, EQUIPMENT, EXCAVATION, ANCHORING (IF ANY), VALVE BOX AND VALVE STEM EXTENSIONS, BACKFILL, CONCRETE PAD AROUND VALVE BOX (IF REQUIRED), RESTORATION, TESTING, DISINFECTION, AND ETC. .REQUIRED TO INSTALL THE SPECIFIED VALVE AT THE LOCATION SHOWN ON THE PLANS IN ACCORDANCE WITH THE SPECIFICATIONS AND STANDARD DRAWINGS COMPLETE AND READY FOR USE.

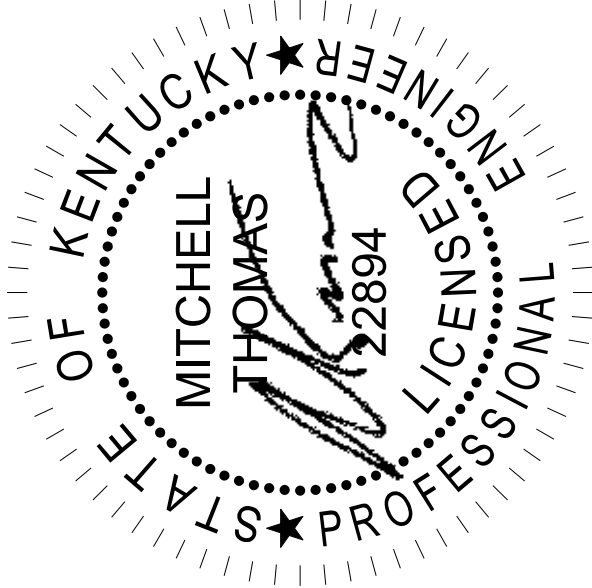
7 THIS ITEM INCLUDES THE SPECIFIED PIPING MATERIAL, MAIN TAP, TAPPING SADDLE (IF REQUIRED), AND CORPORATION STOP MATERIALS, COUPLING FOR CONNECTING THE NEW PIPING TO THE SURVIVING EXISTING PIPING, ENCASEMENT OF 2 INCHES OR LESS INTERNAL DIAMETER (IF REQUIRED), LABOR, EQUIPMENT, EXCAVATION, BACKFILL, TESTING, DISINFECTION, AND RESTORATION, AT THE LOCATIONS SHOWN ON THE PLANS OR AS DIRECTED, COMPLETE AND READY FOR USE. THIS BID ITEM IS TO PAY FOR SERVICE INSTALLATIONS WHERE THE ENDS OF THE SERVICE CONNECTION ARE ON OPPOSITE SIDES OF THE PUBLIC ROADWAY AND THE SERVICE LINE CROSSES THE CENTERLINE OF THE PUBLIC ROADWAY AS SHOWN ON THE PLANS. THE LENGTH OF THE SERVICE LINE IS NOT TO BE SPECIFIED. PAYMENT UNDER THIS ITEM SHALL NOT BE RESTRICTED BY A MINIMUM OR MAXIMUM LENGTH. THE CONTRACTOR SHALL DRAW HIS OWN CONCLUSIONS AS TO THE LENGTH OF PIPING THAT MAY BE NEEDED. PAYMENT UNDER THIS ITEM SHALL INCLUDE BORING, JACKING, OR EXCAVATING ACROSS THE PUBLIC ROADWAY FOR PLACEMENT. PLACEMENT OF A SERVICE ACROSS A PRIVATE RESIDENTIAL OR COMMERCIAL ENTRANCE ALONE SHALL NOT BE REASON TO MAKE PAYMENT UNDER THIS ITEM. PRIVATE OR COMMERCIAL ENTRANCES SHALL NOT BE CONSIDERED A PUBLIC ROADWAY IN DEFINING PAYMENT UNDER THIS ITEM. THIS PAY ITEM INCLUDES REMOVAL OF THE EXISTING WATER METER. NO ADDITIONAL PAYMENT WILL BE MADE FOR ROCK EXCAVATION OR FOR SPECIAL BEDDING REQUIRED IN ROCK EXCAVATION.

8 THIS ITEM INCLUDES INSTALLATION OF THE SPECIFIED PIPING MATERIAL OF THE SIZE SPECIFIED ON PLANS, MAIN TAP, TAPPING SADDLE (IF REQUIRED), CORPORATION STOP, COUPLING FOR CONNECTING THE NEW PIPING TO THE SURVIVING EXISTING PIPING, LABOR, EQUIPMENT, EXCAVATION, BACKFILL, TESTING, DISINFECTION, AND RESTORATION, AT THE LOCATIONS SHOWN ON THE PLANS OR AS DIRECTED, IN ACCORDANCE WITH THE SPECIFICATIONS AND STANDARD DRAWINGS, COMPLETE AND READY FOR USE. THIS BID ITEM IS TO PAY FOR SERVICE INSTALLATIONS WHERE BOTH ENDS OF THE SERVICE CONNECTION ARE ON THE SAME SIDE OF THE PUBLIC ROADWAY, OR WHEN AN EXISTING SERVICE CROSSING A PUBLIC ROADWAY WILL REMAIN AND IS BEING EXTENDED, RECONNECTED, OR RELOCATED WITH ALL WORK ON ONE SIDE OF THE PUBLIC ROADWAY CENTERLINE AS SHOWN ON THE PLANS. THE LENGTH OF THE SERVICE LINE IS NOT TO BE SPECIFIED AND SHALL NOT BE RESTRICTED TO ANY MINIMUM OR MAXIMUM LENGTH. PAYMENT SHALL BE MADE UNDER THIS ITEM EVEN IF THE SERVICE CROSSES A PRIVATE RESIDENTIAL OR COMMERCIAL ENTRANCE; BUT, NOT A PUBLIC ROADWAY. PRIVATE OR COMMERCIAL ENTRANCES SHALL NOT BE CONSIDERED A PUBLIC ROADWAY IN DEFINING PAYMENT UNDER THIS ITEM. THE CONTRACTOR SHALL DRAW HIS OWN CONCLUSIONS AS TO THE LENGTH OF PIPING THAT MAY BE NEEDED. THIS PAY ITEM INCLUDES REMOVAL OF THE EXISTING WATER METER. NO ADDITIONAL PAYMENT WILL BE MADE FOR ROCK EXCAVATION OR FOR BEDDING REQUIRED IN ROCK EXCAVATION. DUCTILE IRON VS PVC PIPE.

9 INCLUDES REMOVING AND RESETTING THE VAULT, NEW VAULT (WHERE APPLICABLE), SERVICE LINE CONNECTION(S), CUTTING AND PLUGGING THE EXISTING SERVICE IS INCIDENTAL TO SAID ITEM; ETC. COORDINATE PLACEMENT WITH THE ENGINEER.

10 FOR USE IN THE BORE PITS. COORDINATE PLACEMENT WITH THE ENGINEER.

11 INCLUDES QUANTITIES OUTSIDE THE LIMITS OF THE ROADWAY WIDENING PER THE ROADWAY PLAN SHEETS.



ITEM	DESCRIPTION	UNIT	PROJECT TOTAL
2091	REMOVE PAVEMENT	SQYD	309
2223	GRANULAR EMBANKMENT ⑩	CUYD	510
2585	EDGE KEY	LF	40
2602	FABRIC-GEOTEXTILE CLASS 1 ⑩	SQYD	625
2690	SAFELOADING	CUYD	5
2701	TEMP SILT FENCE ⑪	LF	2700
2704	SILT TRAP TYPE B ⑪	EA	10
2705	SILT TRAP TYPE C ⑪	EA	5
2707	CLEAN SILT TRAP TYPE B ⑪	EA	10
2708	CLEAN SILT TRAP TYPE C ⑪	EA	5
2721	REMOVE CONCRETE SIDEWALK	SQYD	10
5952	TEMP MULCH	SQYD	2750
5953	TEMP SEEDING AND PROTECTION	SQYD	2750
5985	SEEDING AND PROTECTION	SQYD	6350
5990	SODDING	SQYD	2158
14009	W ENCASEMENT STEEL BORED RANGE 4 ①	LF	180
14010	W ENCASEMENT STEEL BORED RANGE 5 ②	LF	320
14016	W ENCASEMENT STEEL OPEN CUT RANGE 5 ②	LF	170
14019	W FIRE HYDRANT ASSEMBLY ③	EACH	8
14025	W METER 1 INCH ④	EACH	7
14026	W METER 1-1/2 INCH ④	EACH	2
14027	W METER 2 INCH ④	EACH	1
14028	W METER 3/4 INCH ④	EACH	9
14035	W PIPE DUCTILE IRON 04 INCH ⑤	LF	160
14036	W PIPE DUCTILE IRON 06 INCH ⑤	LF	400
14037	W PIPE DUCTILE IRON 08 INCH ⑤	LF	140
14039	W PIPE DUCTILE IRON 12 INCH ⑤	LF	3905
14048	W PIPE DCTL IRON RSTRND JOINT 08 IN	LF	260
14050	W PIPE DCTL IRON RSTRND JOINT 12 IN	LF	1830
14074	W PLUG EXISTING MAIN	EACH	31
14086	W SERVICE SPECIAL ⑥	EACH	22
14094	W TIE-IN 06 INCH	EACH	6
14095	W TIE-IN 08 INCH	EACH	5
14097	W TIE-IN 12 INCH	EACH	9
14104	W VALVE 04 INCH ⑥	EACH	1
14105	W VALVE 06 INCH ⑥	EACH	4
14106	W VALVE 08 INCH ⑥	EACH	4
14108	W VALVE 12 INCH ⑥	EACH	32
14182	W METER 5/8 INCH ④	EACH	14
14077	W SERV PE/PLST LONG SIDE 1 IN ⑦	EACH	1
14078	W SERV PE/PLST LONG SIDE 1-1/2 IN ⑦	EACH	1
14080	W SERV PE/PLST LONG SIDE 3/4 IN ⑦	EACH	6
14082	W SERV PE/PLST SHORT SIDE 1 IN ⑧	EACH	6
14083	W SERV PE/PLST SHORT SIDE 1-1/2 IN ⑧	EACH	1
14084	W SERV PE/PLST SHORT SIDE 2 IN ⑧	EACH	1
14085	W SERV PE/PLST SHORT SIDE 3/4 IN ⑧	EACH	3
20550ND	SAWCUT PAVEMENT	LF	139

NOTES:

1 INCLUDES FURNISHING AND INSTALLING 180 LF OF 16 INCH STEEL ENCASEMENT, TRENCHING/EXCAVATION (INCLUDING ROCK) AND INITIAL/FINAL BACKFILLING, BEDDING, LAYOUT, SHORING, SHEETING AND BRACING, EROSION CONTROL DEVICES, AND ALL OTHER APPURTENANCES REQUIRED FOR CONSTRUCTION OF THE ENCASEMENT. INSTALL PER MANUFACTURER'S SPECIFICATIONS.

2 INCLUDES FURNISHING AND INSTALLING 490 LF OF 24 INCH STEEL ENCASEMENT, TRENCHING/EXCAVATION (INCLUDING ROCK) AND INITIAL/FINAL BACKFILLING, BEDDING, LAYOUT, SHORING, SHEETING AND BRACING, EROSION CONTROL DEVICES, AND ALL OTHER APPURTENANCES REQUIRED FOR CONSTRUCTION OF THE ENCASEMENT. INSTALL PER MANUFACTURER'S SPECIFICATIONS.

3 INCLUDES ALL LABOR, EQUIPMENT, NEW FIRE HYDRANT, ISOLATING VALVE AND VALVE BOX, CONCRETE PAD AROUND VALVE BOX (WHEN SPECIFIED IN SPECIFICATIONS OR PLANS), PIPING, ANCHORING TEE, ANCHORING COUPLINGS, FIRE HYDRANT EXTENSION, EXCAVATION, CONCRETE BLOCKING, GRANULAR DRAINAGE MATERIAL, BACKFILL, AND RESTORATION, TO INSTALL A NEW FIRE HYDRANT ASSEMBLY AS INDICATED ON PLANS AND ON STANDARD DRAWINGS COMPLETE AND READY FOR USE. NO ADDITIONAL PAYMENT WILL BE MADE FOR ROCK EXCAVATION. INSTALL ALL NECESSARY ITEMS PER MANUFACTURER'S SPECIFICATIONS. (INCLUDES ALL APPURTENANCES, REMOVAL OF ANY EXISTING ITEM AND/OR ADJUSTMENT, ETC).

4 THIS ITEM SHALL INCLUDE ALL LABOR, EQUIPMENT, METER, METER BOX, CASTING, YOKE, AND ANY OTHER ASSOCIATED MATERIAL NEEDED FOR INSTALLATION OF A FUNCTIONING WATER METER IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, COMPLETE AND READY FOR USE. THIS ITEM SHALL INCLUDE CONNECTIONS TO THE NEW OR EXISTING WATER SERVICE LINE.

5 INCLUDES QUANTITY FOR 4-INCH, 6-INCH, 8-INCH, AND 12-INCH DUCTILE IRON. OTHER ITEMS INCLUDED TO THIS ITEM ARE ALL FITTINGS (INCLUDING, BUT NOT LIMITED TO, BENDS, TEES, REDUCERS, PLUGS, FIELD LOKS, CAPS, ETC.), TRACING WIRE WITH TEST BOXES, POLYETHYLENE WRAP (WHEN SPECIFIED), LABOR, EQUIPMENT, EXCAVATION, BEDDING, RESTORATION, TESTING, SANITIZING, BACKFILL, AND ETC. .REQUIRED TO INSTALL THE SPECIFIED NEW PIPE (IF NECESSARY) AND NEW FITTINGS. THIS BID ITEM INCLUDES MATERIAL AND PLACEMENT OF FLOWABLE FILL UNDER EXISTING AND PROPOSED PAVEMENT, AND WHEREVER ELSE SPECIFIED BY THE ENGINEER. THIS ITEM SHALL INCLUDE ALL TEMPORARY AND PERMANENT MATERIALS AND EQUIPMENT REQUIRED TO PRESSURE TEST AND SANITIZE MAINS INCLUDING, BUT NOT LIMITED TO, PRESSURIZATION PUMPS, HOSES, TUBING, GAUGES, MAIN TAPS, SADDLES, TEMPORARY MAIN END CAPS OR PLUGS AND BLOCKING, MAIN END TAPS FOR FLUSHING, CHLORINE LIQUIDS OR TABLETS FOR SANITIZING, WATER FOR TESTING/SANITIZING AND FLUSHING (WHEN NOT SUPPLIED BY THE UTILITY), CHLORINE NEUTRALIZATION EQUIPMENT AND MATERIALS, AND ANY OTHER ITEMS NEEDED TO ACCOMPLISH PRESSURE TESTING AND SANITIZING THE MAIN INSTALLATION. THIS ITEM SHALL ALSO INCLUDE PIPE ANCHORS, AT EACH END OF POLYETHYLENE PIPE RUNS WHEN SPECIFIED TO PREVENT THE CREEP OR CONTRACTION OF THE PIPE. IF REQUIRED, COORDINATE PLACEMENT WITH THE ENGINEER. REMOVAL OF THE EXISTING WATER MAIN IS INCIDENTAL TO THIS ITEM.

6 PAYMENT UNDER THIS DESCRIPTION IS TO BE FOR VALVES BEING INSTALLED WITH THE NEW MAIN. THIS ITEM INCLUDES THE VALVE AND POLYETHYLENE WRAP (IF REQUIRED), LABOR, EQUIPMENT, EXCAVATION, ANCHORING (IF ANY), VALVE BOX AND VALVE STEM EXTENSIONS, BACKFILL, CONCRETE PAD AROUND VALVE BOX (IF REQUIRED), RESTORATION, TESTING, DISINFECTION, AND ETC. .REQUIRED TO INSTALL THE SPECIFIED VALVE AT THE LOCATION SHOWN ON THE PLANS IN ACCORDANCE WITH THE SPECIFICATIONS AND STANDARD DRAWINGS COMPLETE AND READY FOR USE.

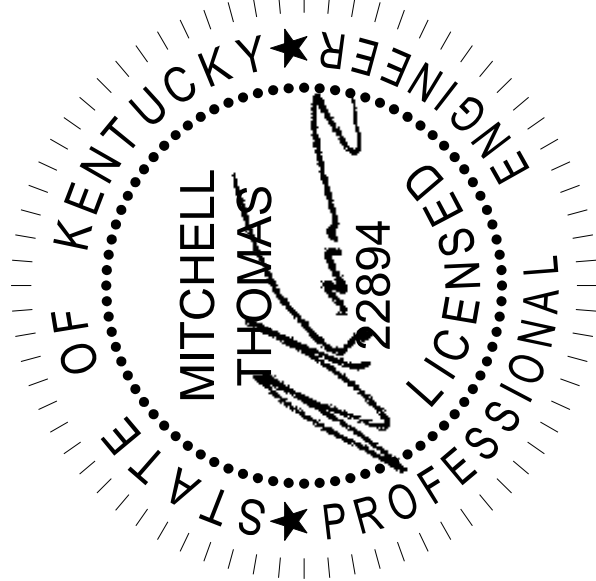
7 THIS ITEM INCLUDES THE SPECIFIED PIPING MATERIAL, MAIN TAP, TAPPING SADDLE (IF REQUIRED), AND CORPORATION STOP MATERIALS, COUPLING FOR CONNECTING THE NEW PIPING TO THE SURVIVING EXISTING PIPING, ENCASEMENT OF 2 INCHES OR LESS INTERNAL DIAMETER (IF REQUIRED), LABOR, EQUIPMENT, EXCAVATION, BACKFILL, TESTING, DISINFECTION, AND RESTORATION, AT THE LOCATIONS SHOWN ON THE PLANS OR AS DIRECTED, COMPLETE AND READY FOR USE. THIS BID ITEM IS TO PAY FOR SERVICE INSTALLATIONS WHERE THE ENDS OF THE SERVICE CONNECTION ARE ON OPPOSITE SIDES OF THE PUBLIC ROADWAY AND THE SERVICE LINE CROSSES THE CENTERLINE OF THE PUBLIC ROADWAY AS SHOWN ON THE PLANS. THE LENGTH OF THE SERVICE LINE IS NOT TO BE SPECIFIED. PAYMENT UNDER THIS ITEM SHALL NOT BE RESTRICTED BY A MINIMUM OR MAXIMUM LENGTH. THE CONTRACTOR SHALL DRAW HIS OWN CONCLUSIONS AS TO THE LENGTH OF PIPING THAT MAY BE NEEDED. PAYMENT UNDER THIS ITEM SHALL INCLUDE BORING, JACKING, OR EXCAVATING ACROSS THE PUBLIC ROADWAY FOR PLACEMENT. PLACEMENT OF A SERVICE ACROSS A PRIVATE RESIDENTIAL OR COMMERCIAL ENTRANCE ALONE SHALL NOT BE REASON TO MAKE PAYMENT UNDER THIS ITEM. PRIVATE OR COMMERCIAL ENTRANCES SHALL NOT BE CONSIDERED A PUBLIC ROADWAY IN DEFINING PAYMENT UNDER THIS ITEM. THIS PAY ITEM INCLUDES REMOVAL OF THE EXISTING WATER METER. NO ADDITIONAL PAYMENT WILL BE MADE FOR ROCK EXCAVATION OR FOR SPECIAL BEDDING REQUIRED IN ROCK EXCAVATION.

8 THIS ITEM INCLUDES INSTALLATION OF THE SPECIFIED PIPING MATERIAL OF THE SIZE SPECIFIED ON PLANS, MAIN TAP, TAPPING SADDLE (IF REQUIRED), CORPORATION STOP, COUPLING FOR CONNECTING THE NEW PIPING TO THE SURVIVING EXISTING PIPING, LABOR, EQUIPMENT, EXCAVATION, BACKFILL, TESTING, DISINFECTION, AND RESTORATION, AT THE LOCATIONS SHOWN ON THE PLANS OR AS DIRECTED, IN ACCORDANCE WITH THE SPECIFICATIONS AND STANDARD DRAWINGS, COMPLETE AND READY FOR USE. THIS BID ITEM IS TO PAY FOR SERVICE INSTALLATIONS WHERE BOTH ENDS OF THE SERVICE CONNECTION ARE ON THE SAME SIDE OF THE PUBLIC ROADWAY, OR WHEN AN EXISTING SERVICE CROSSING A PUBLIC ROADWAY WILL REMAIN AND IS BEING EXTENDED, RECONNECTED, OR RELOCATED WITH ALL WORK ON ONE SIDE OF THE PUBLIC ROADWAY CENTERLINE AS SHOWN ON THE PLANS. THE LENGTH OF THE SERVICE LINE IS NOT TO BE SPECIFIED AND SHALL NOT BE RESTRICTED TO ANY MINIMUM OR MAXIMUM LENGTH. PAYMENT SHALL BE MADE UNDER THIS ITEM EVEN IF THE SERVICE CROSSES A PRIVATE RESIDENTIAL OR COMMERCIAL ENTRANCE; BUT, NOT A PUBLIC ROADWAY. PRIVATE OR COMMERCIAL ENTRANCES SHALL NOT BE CONSIDERED A PUBLIC ROADWAY IN DEFINING PAYMENT UNDER THIS ITEM. THE CONTRACTOR SHALL DRAW HIS OWN CONCLUSIONS AS TO THE LENGTH OF PIPING THAT MAY BE NEEDED. THIS PAY ITEM INCLUDES REMOVAL OF THE EXISTING WATER METER. NO ADDITIONAL PAYMENT WILL BE MADE FOR ROCK EXCAVATION OR FOR BEDDING REQUIRED IN ROCK EXCAVATION. DUCTILE IRON VS PVC PIPE.

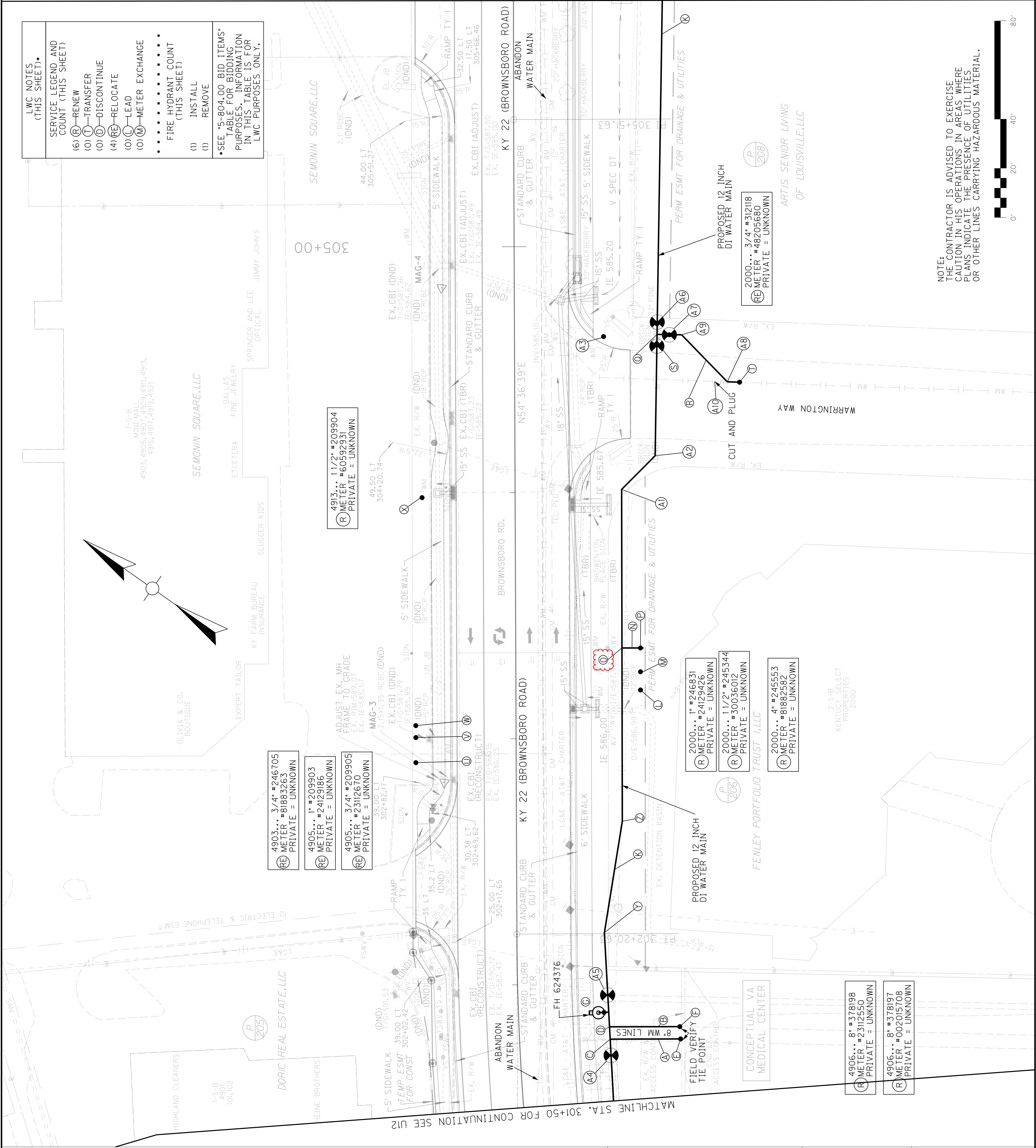
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10 FOR USE IN THE BORE PITS. COORDINATE PLACEMENT WITH THE ENGINEER.

11 INCLUDES QUANTITIES OUTSIDE THE LIMITS OF THE ROADWAY WIDENING PER THE ROADWAY PLAN SHEETS.



COUNTY OF		ITEM NO.	SHEET NO.
JEFFERSON		5-804.00	UI
ITEM	DESCRIPTION	UNIT	PROJECT TOTAL
2091	REMOVE PAVEMENT	SQYD	309
2223	GRANULAR EMBANKMENT ⑩	CUYD	510
2585	EDGE KEY	LF	40
2602	FABRIC-GEOTEXTILE CLASS 1 ⑩	SQYD	625
2690	SAFEOLOADING	CUYD	5
2701	TEMP SILT FENCE ⑪	LF	2700
2704	SILT TRAP TYPE B ⑪	EA	10
2705	SILT TRAP TYPE C ⑪	EA	5
2707	CLEAN SILT TRAP TYPE B ⑪	EA	10
2708	CLEAN SILT TRAP TYPE C ⑪	EA	5
2721	REMOVE CONCRETE SIDEWALK	SQYD	10
5952	TEMP MULCH	SQYD	2750
5953	TEMP SEEDING AND PROTECTION	SQYD	2750
5985	SEEDING AND PROTECTION	SQYD	6350
5990	SODDING	SQYD	2158
14009	W ENCASEMENT STEEL BORED RANGE 4 ①	LF	180
14010	W ENCASEMENT STEEL BORED RANGE 5 ②	LF	320
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14019	W FIRE HYDRANT ASSEMBLY ③	EACH	8
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14027	W METER 2 INCH ④	EACH	1
14028	W METER 3/4 INCH ④	EACH	9
14035	W PIPE DUCTILE IRON 04 INCH ⑤	LF	160
14036	W PIPE DUCTILE IRON 06 INCH ⑤	LF	400
14037	W PIPE DUCTILE IRON 08 INCH ⑤	LF	140
14039	W PIPE DUCTILE IRON 12 INCH ⑤	LF	3905
14048	W PIPE DCTL IRON RSTRND JOINT 08 IN	LF	260
14050	W PIPE DCTL IRON RSTRND JOINT 12 IN	LF	1830
14074	W PLUG EXISTING MAIN	EACH	31
14086	W SERVICE SPECIAL ⑨	EACH	22
14094	W TIE-IN 06 INCH	EACH	6
14095	W TIE-IN 08 INCH	EACH	5
14097	W TIE-IN 12 INCH	EACH	9
14104	W VALVE 04 INCH ⑥	EACH	1
14105	W VALVE 06 INCH ⑥	EACH	4
14106	W VALVE 08 INCH ⑥	EACH	4
14108	W VALVE 12 INCH ⑥	EACH	32
14182	W METER 5/8 INCH ④	EACH	14
14077	W SERV PE/PLST LONG SIDE 1 IN ⑦	EACH	1
14078	W SERV PE/PLST LONG SIDE 1-1/2 IN ⑦	EACH	1
14080	W SERV PE/PLST LONG SIDE 3/4 IN ⑦	EACH	6
14082	W SERV PE/PLST SHORT SIDE 1 IN ⑧	EACH	6
14083	W SERV PE/PLST SHORT SIDE 1-1/2 IN ⑧	EACH	1
14084	W SERV PE/PLST SHORT SIDE 2 IN ⑧	EACH	1
14085	W SERV PE/PLST SHORT SIDE 3/4 IN ⑧	EACH	3
20550ND	SAWCUT PAVEMENT	LF	139



COUNTY OF		ITEM NO.	SHEET NO.
JEFFERSON		5-804.00	U13

5-804.00 BID ITEMS TABLE - PROPOSED WATER MAIN NOTES THIS SHEET			
NOTE	STATION	ITEM	BID QTY
(A)	301+76	W PIPE DUCTILE IRON 08 INCH	LF 30
(B)	301+81	W PIPE DUCTILE IRON 08 INCH	LF 30
(C)	301+76	12 INCH X 8 INCH TEE	
(D)	301+81	12 INCH X 8 INCH TEE	
(E)	301+76*	W SERVICE SPECIAL (8 INCH)	EACH 1
(F)	301+81*	W SERVICE SPECIAL (8 INCH)	EACH 1
(G)	301+88	W FIRE HYDRANT ASSEMBLY	EACH 1
(H)		NOT USED	
(I)		NOT USED	
(J)		NOT USED	
(K)	301+50-306+00	W PIPE DUCTILE IRON 12 INCH	LF 470
(L)	303+20*	W SERV PE/PLST SHORT SIDE 1 IN	EACH 1
		W METER 1 INCH	EACH 1
		W SERV PE/PLST SHORT SIDE 1-1/2 IN	EACH 1
		W METER 1-1/2 INCH	EACH 1
(M)	303+27*	W PIPE DUCTILE IRON 04 INCH	LF 10
(N)	303+37*	12 INCH X 4 INCH TEE	
(O)	303+37*	W SERVICE SPECIAL (4 INCH)	EACH 1
(P)	303+37*		
(Q)	304+45	12 INCH X 8 INCH TEE	
(R)	304+45	W PIPE DUCTILE IRON 08 INCH	LF 50
(S)	304+59	W VALVE 12 INCH	EACH 1
(T)	301+88	W TIE-IN 08 INCH	EACH 1
(U)	303+20*	W SERV PE/PLST LONG SIDE 3/4 IN	EACH 1
		W METER 3/4 INCH	EACH 1
(V)	303+20*	W SERV PE/PLST LONG SIDE 1 IN	EACH 1
(W)	303+20*	W SERV PE/PLST LONG SIDE 3/4 IN	EACH 1
		W METER 3/4 INCH	EACH 1
(X)	303+20*	W SERV PE/PLST LONG SIDE 1-1/2 IN	EACH 1
(Y)	302+21	W METER 1-1/2 INCH	EACH 1
(Z)	302+67	12 INCH - 11.25" BEND	
(A1)	304+00	12 INCH - 45" BEND	
(A2)	304+15	12 INCH - 45" BEND	
(A3)	304+63	W SERV PE/PLST SHORT SIDE 3/4 IN	EACH 1
(A4)	301+69	W METER 3/4 INCH	EACH 1
(A5)	301+95	W VALVE 12 INCH	EACH 1
(A6)	304+69	W VALVE 12 INCH	EACH 1
(A7)	304+45	W VALVE 08 INCH	EACH 1
(A8)	301+88	8 INCH - 45" BEND	
(A9)	304+45	8 INCH - 45" BEND	
(A10)	304+45	W PLUG EXISTING MAIN	EACH 1

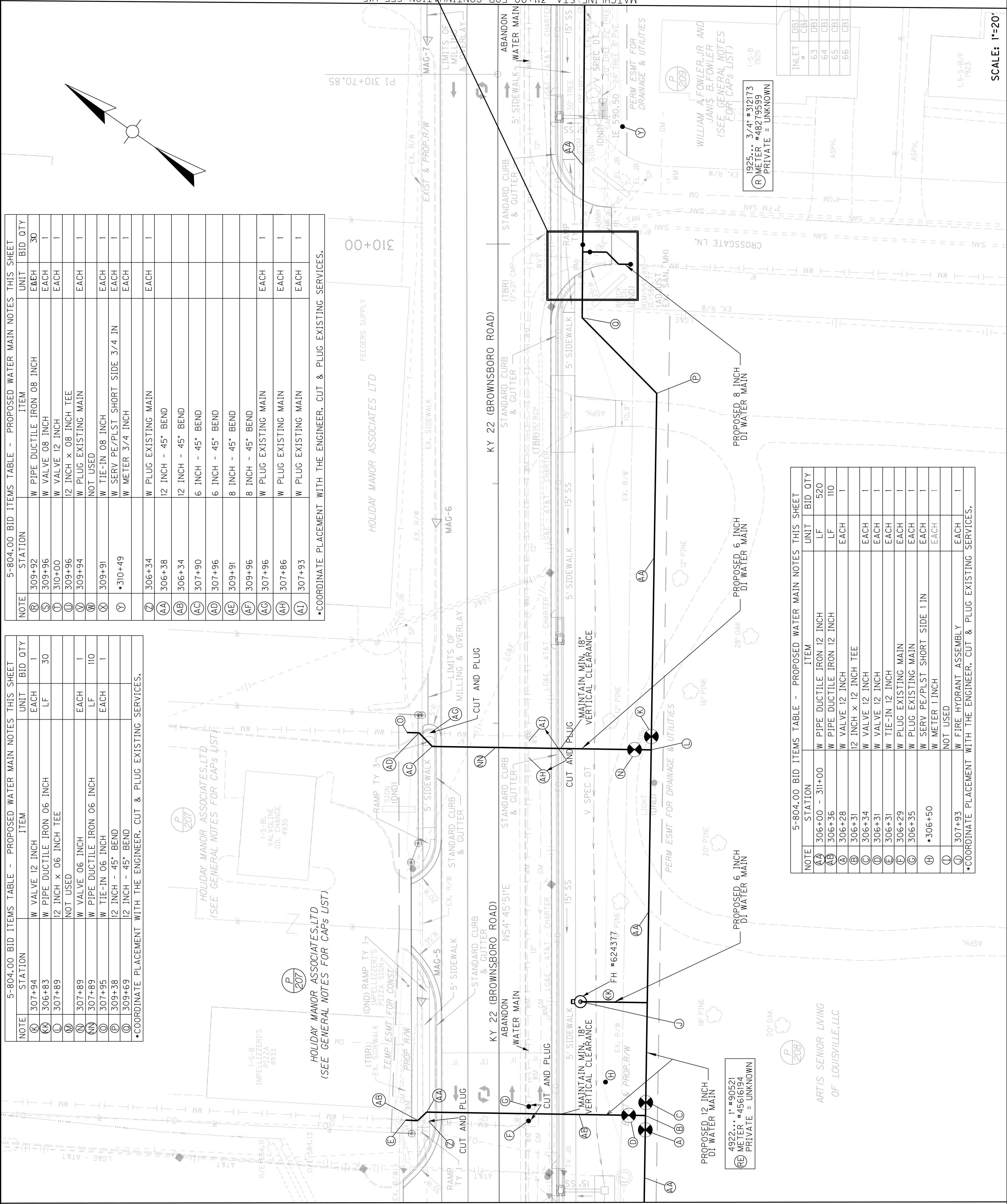
*COORDINATE PLACEMENT WITH THE ENGINEER, CUT & PLUG EXISTING SERVICES.

SCALE: 1"=20'

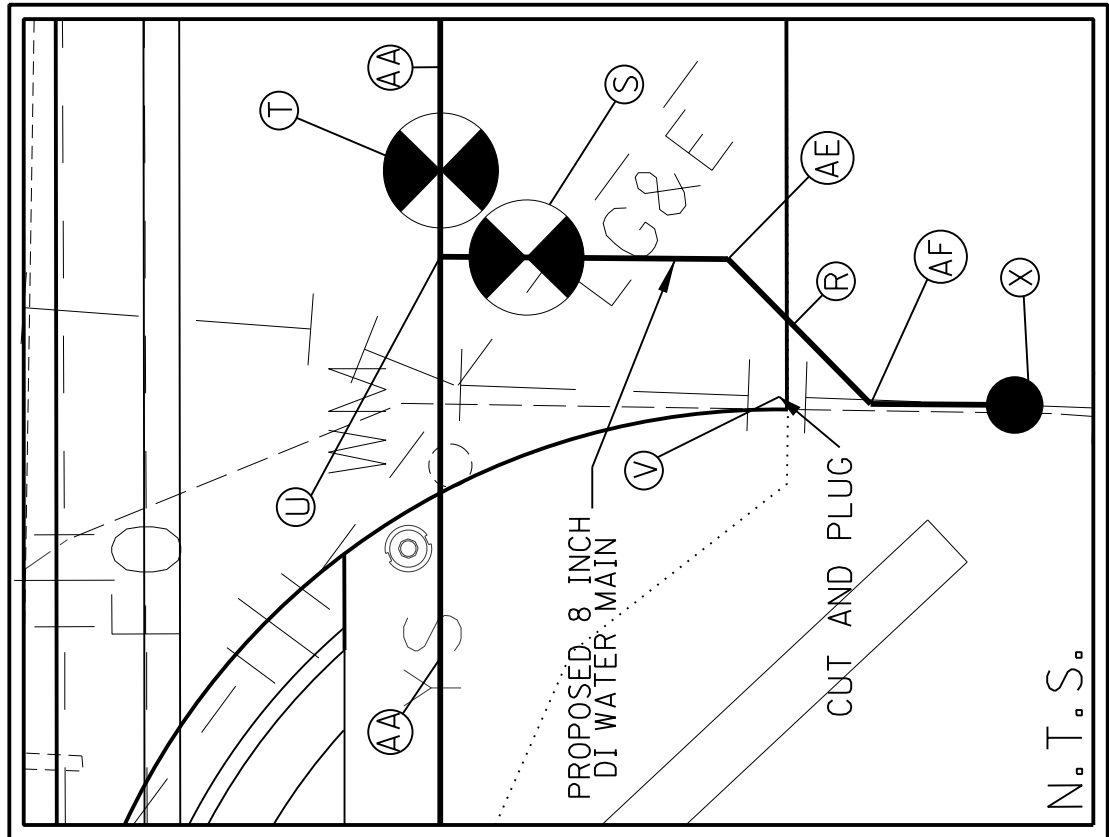
KY 22 (BROWNSBORO RD)
UTILITY RELOCATION PLAN SHEET
STA. 301+50 TO STA. 306+00

5-804.00 BID ITEMS TABLE - PROPOSED WATER MAIN NOTES THIS SHEET			
NOTE	STATION	ITEM	BID QTY
(K) 307+94	W VALVE 12 INCH	EACH	1
(K) 306+83	W PIPE DUCTILE IRON 06 INCH	LF	30
(K) 307+89	12 INCH x 06 INCH TEE		
(K) 307+89	NOT USED		
(N) 307+89	W VALVE 06 INCH	EACH	1
(N) 307+89	W PIPE DUCTILE IRON 06 INCH	LF	110
(C) 307+95	W TIE-IN 06 INCH	EACH	1
(C) 309+38	12 INCH - 45° BEND		
(C) 309+69	12 INCH - 45° BEND		
•COORDINATE PLACEMENT WITH THE ENGINEER, CUT & PLUG EXISTING SERVICES.			

5-804.00 BID ITEMS TABLE - PROPOSED WATER MAIN NOTES THIS SHEET			
NOTE	STATION	ITEM	BID QTY
(R) 309+92	W PIPE DUCTILE IRON 08 INCH	EACH	30
(C) 309+96	W VALVE 08 INCH	EACH	1
(T) 310+00	W VALVE 12 INCH	EACH	1
(U) 309+96	12 INCH x 08 INCH TEE		
(U) 309+94	W PLUG EXISTING MAIN	EACH	1
(U) 309+94	NOT USED		
(X) 309+91	W TIE-IN 08 INCH	EACH	1
(Y) 310+49	W SERV PE/PLST SHORT SIDE 3/4 IN	EACH	1
(Y) 310+49	W METER 3/4 INCH	EACH	1
(Z) 306+34	W PLUG EXISTING MAIN	EACH	1
(AA) 306+38	12 INCH - 45° BEND		
(AB) 306+34	12 INCH - 45° BEND		
(AC) 307+90	6 INCH - 45° BEND		
(AD) 307+96	6 INCH - 45° BEND		
(AE) 309+91	8 INCH - 45° BEND		
(AF) 309+96	8 INCH - 45° BEND		
(AG) 307+96	W PLUG EXISTING MAIN	EACH	1
(AH) 307+86	W PLUG EXISTING MAIN	EACH	1
(AI) 307+93	W PLUG EXISTING MAIN	EACH	1
•COORDINATE PLACEMENT WITH THE ENGINEER, CUT & PLUG EXISTING SERVICES.			



COUNTY OF	ITEM NO.	SHEET NO.
JEFFERSON	5-804.00	U14



LWC NOTES (THIS SHEET):	
SERVICE LEGEND AND COUNT (THIS SHEET)	
(1) (R) RENEW	
(1) (T) TRANSFER	
(1) (U) DISCONTINUE	
(1) (RE) RELOCATE	
(1) (L) LEAD	
(1) (M) METER EXCHANGE	

FIRE HYDRANT COUNT (THIS SHEET)	
(1) (I) INSTALL	
(1) (O) REMOVE	

•SEE "5-804.00 BID ITEMS" TABLE FOR BIDDING PURPOSES. INFORMATION IN THIS TABLE IS FOR LWC PURPOSES ONLY.	

5-804.00 BID ITEMS TABLE - PROPOSED WATER MAIN NOTES THIS SHEET			
NOTE	STATION	ITEM	BID QTY
(AA) 306+00 - 311+00	W PIPE DUCTILE IRON 12 INCH	LF	520
(AB) 306+36	W PIPE DUCTILE IRON 12 INCH	LF	110
(A) 306+28	W VALVE 12 INCH	EACH	1
(B) 306+31	12 INCH x 12 INCH TEE		
(C) 306+34	W VALVE 12 INCH	EACH	1
(U) 306+31	W VALVE 12 INCH	EACH	1
(E) 306+31	W TIE-IN 12 INCH	EACH	1
(F) 306+29	W PLUG EXISTING MAIN	EACH	1
(G) 306+35	W PLUG EXISTING MAIN	EACH	1
(H) 306+50	W SERV PE/PLST SHORT SIDE 1 IN	EACH	1
(H) 306+50	W METER 1 INCH	EACH	1
(U) 307+93	NOT USED		
(U) 307+93	W FIRE HYDRANT ASSEMBLY	EACH	1
•COORDINATE PLACEMENT WITH THE ENGINEER, CUT & PLUG EXISTING SERVICES.			

STORM SEWER CHART			
INLET #	DBI CBI	LT/RT/ MED	ALIGNMENT STATION
63	DBI	RT	KY 22 306+05
64	CBI	RT	KY 22 306+05
65	CBI	A	KY 22 308+35
66	CBI	RT	KY 22 310+53

TOP/GRATE THROAT	INVERT
588.50	585.81
589.07	585.73
592.60	588.03
593.30	589.11

NOTE:
THE CONTRACTOR IS ADVISED TO EXERCISE CAUTION IN HIS OPERATIONS IN AREAS WHERE PLANS INDICATE THE PRESENCE OF UTILITIES OR OTHER LINES CARRYING HAZARDOUS MATERIAL.



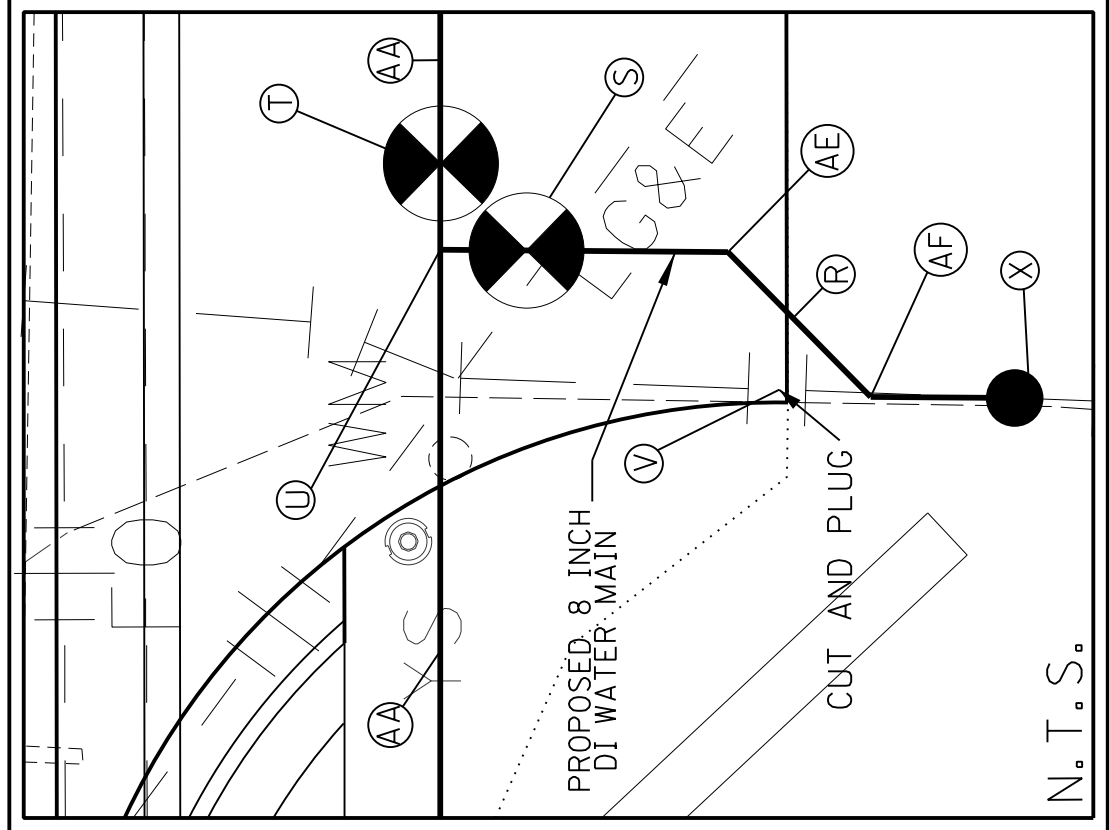
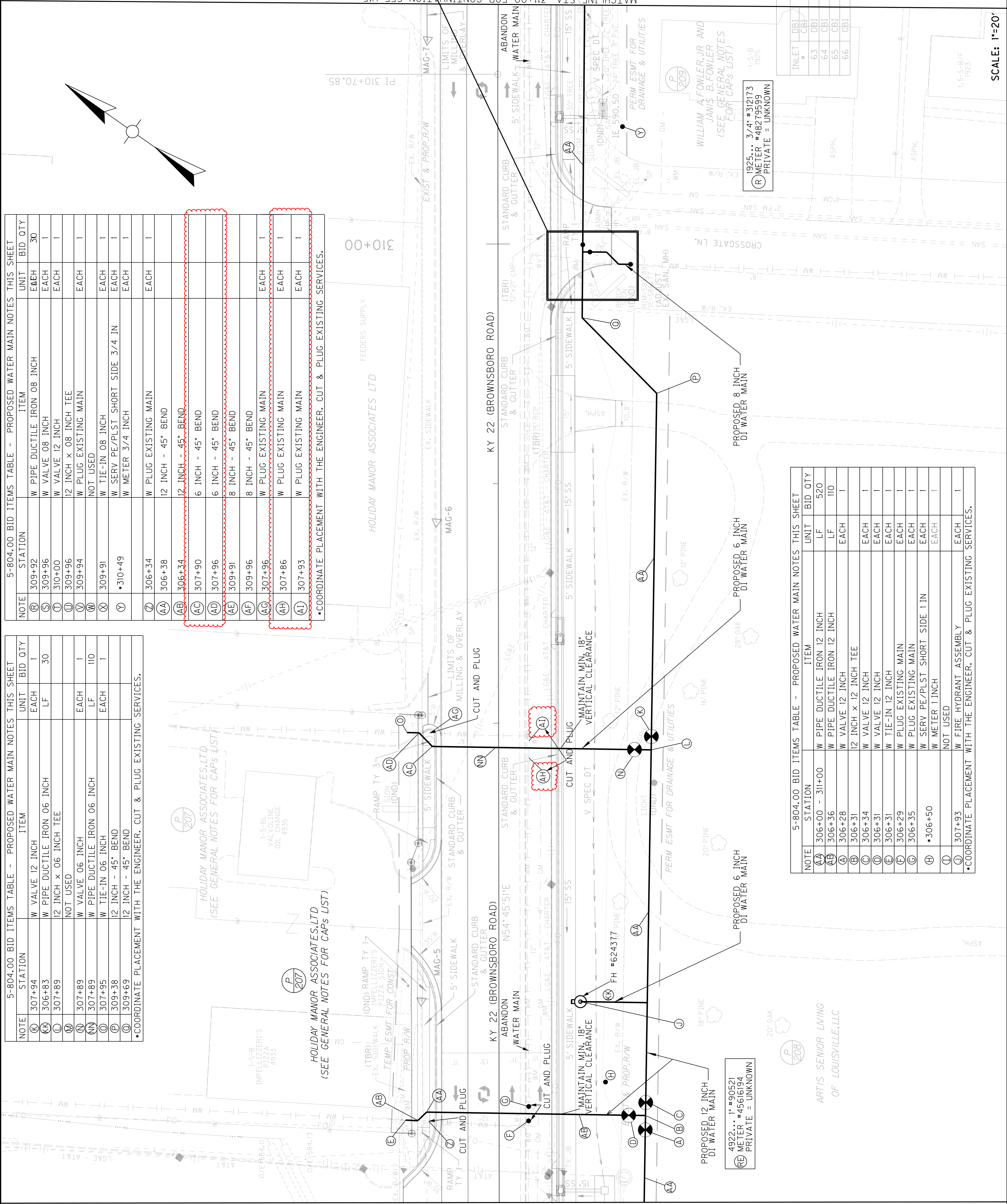
KY 22 (BROWNSBORO RD)
UTILITY RELOCATION PLAN SHEET
STA. 306+00 TO STA. 311+00

SCALE: 1"=20'

MATCHLINE STA. 306+00 FOR CONTINUATION SEE U13

5-804.00 BID ITEMS TABLE - PROPOSED WATER MAIN NOTES THIS SHEET			
NOTE	STATION	ITEM	BID QTY
(K) 307+94		W VALVE 12 INCH	EACH 1
(K) 306+83		W PIPE DUCTILE IRON 06 INCH	LF 30
(K) 307+89		12 INCH x 06 INCH TEE	
(K) 307+89		NOT USED	
(N) 307+89		W VALVE 06 INCH	EACH 1
(N) 307+89		W PIPE DUCTILE IRON 06 INCH	LF 110
(C) 307+95		W TIE-IN 06 INCH	EACH 1
(C) 309+38		12 INCH - 45° BEND	
(C) 309+69		12 INCH - 45° BEND	
•COORDINATE PLACEMENT WITH THE ENGINEER, CUT & PLUG EXISTING SERVICES.			

5-804.00 BID ITEMS TABLE - PROPOSED WATER MAIN NOTES THIS SHEET			
NOTE	STATION	ITEM	BID QTY
(R) 309+92		W PIPE DUCTILE IRON 08 INCH	EACH 30
(C) 309+96		W VALVE 08 INCH	EACH 1
(T) 310+00		W VALVE 12 INCH	EACH 1
(U) 309+96		12 INCH x 08 INCH TEE	
(U) 309+94		W PLUG EXISTING MAIN	EACH 1
(U) 309+94		NOT USED	
(X) 309+91		W TIE-IN 08 INCH	EACH 1
(Y) 310+49		W SERV PE/PLST SHORT SIDE 3/4 IN	EACH 1
(Y) 310+49		W METER 3/4 INCH	EACH 1
(Z) 306+34		W PLUG EXISTING MAIN	EACH 1
(AA) 306+38		12 INCH - 45° BEND	
(AB) 306+34		12 INCH - 45° BEND	
(AC) 307+90		6 INCH - 45° BEND	
(AD) 307+96		6 INCH - 45° BEND	
(AE) 309+91		8 INCH - 45° BEND	
(AF) 309+96		8 INCH - 45° BEND	
(AG) 307+96		W PLUG EXISTING MAIN	EACH 1
(AH) 307+86		W PLUG EXISTING MAIN	EACH 1
(AI) 307+93		W PLUG EXISTING MAIN	EACH 1
•COORDINATE PLACEMENT WITH THE ENGINEER, CUT & PLUG EXISTING SERVICES.			



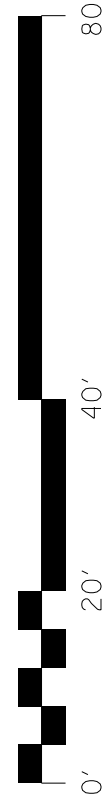
LWC NOTES (THIS SHEET):	
SERVICE LEGEND AND COUNT (THIS SHEET)	
(1) (R) RENEW	
(1) (T) TRANSFER	
(1) (U) DISCONTINUE	
(1) (RE) RELOCATE	
(1) (L) LEAD	
(1) (M) METER EXCHANGE	

FIRE HYDRANT COUNT (THIS SHEET)	
(1) (I) INSTALL	
(1) (O) REMOVE	
•SEE "5-804.00 BID ITEMS" TABLE FOR BIDDING PURPOSES. INFORMATION IN THIS TABLE IS FOR LWC PURPOSES ONLY.	

5-804.00 BID ITEMS TABLE - PROPOSED WATER MAIN NOTES THIS SHEET			
NOTE	STATION	ITEM	BID QTY
(AA) 306+00 - 311+00		W PIPE DUCTILE IRON 12 INCH	LF 520
(AB) 306+36		W PIPE DUCTILE IRON 12 INCH	LF 110
(A) 306+28		W VALVE 12 INCH	EACH 1
(B) 306+31		12 INCH x 12 INCH TEE	
(C) 306+34		W VALVE 12 INCH	EACH 1
(U) 306+31		W VALVE 12 INCH	EACH 1
(E) 306+31		W TIE-IN 12 INCH	EACH 1
(F) 306+29		W PLUG EXISTING MAIN	EACH 1
(G) 306+35		W PLUG EXISTING MAIN	EACH 1
(H) 306+50		W SERV PE/PLST SHORT SIDE 1 IN	EACH 1
(H) 306+50		W METER 1 INCH	EACH 1
(U) 307+93		NOT USED	
(U) 307+93		W FIRE HYDRANT ASSEMBLY	EACH 1
•COORDINATE PLACEMENT WITH THE ENGINEER, CUT & PLUG EXISTING SERVICES.			

STORM SEWER CHART			
INLET #	DBI CBI	LT/RT/ MED	ALIGNMENT STATION
63	DBI	RT	KY 22 306+05
64	CBI	RT	KY 22 306+05
65	CBI	A	KY 22 308+35
66	CBI	RT	KY 22 310+53
TOP/GRATE THROAT			INVERT
			588.50
			585.81
			589.07
			588.03
			589.11

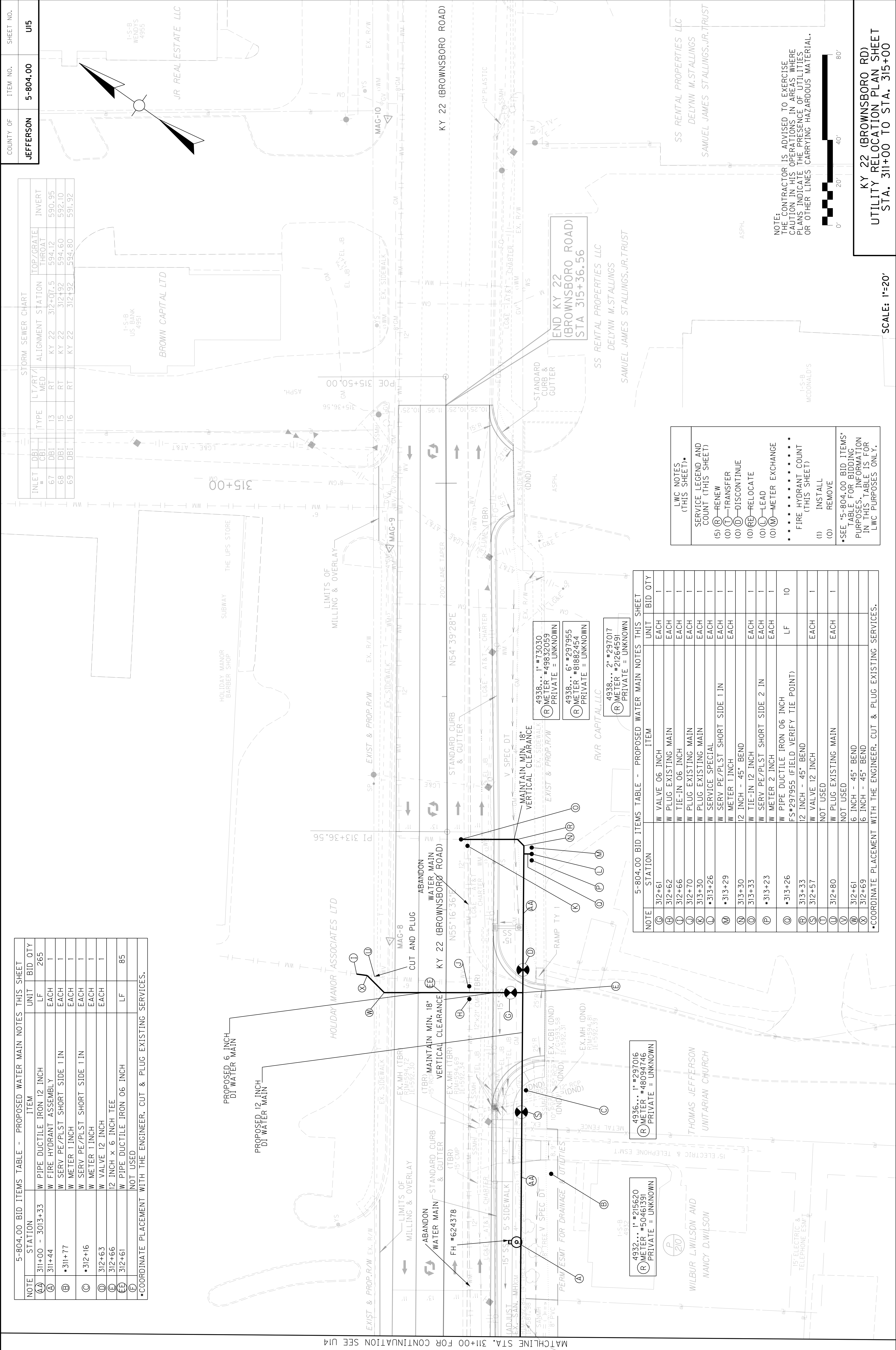
NOTE:
THE CONTRACTOR IS ADVISED TO EXERCISE CAUTION IN HIS OPERATIONS IN AREAS WHERE PLANS INDICATE THE PRESENCE OF UTILITIES OR OTHER LINES CARRYING HAZARDOUS MATERIAL.



KY 22 (BROWNSBORO RD)
UTILITY RELOCATION PLAN SHEET
STA. 306+00 TO STA. 311+00

SCALE: 1"=20'

5-804.00 BID ITEMS TABLE - PROPOSED WATER MAIN NOTES THIS SHEET				
NOTE	STATION	ITEM	UNIT	BID QTY
(A) 311+00 - 3013+33		W PIPE DUCTILE IRON 12 INCH	LF	265
(A) 311+44		W FIRE HYDRANT ASSEMBLY	EACH	1
(B) 311+77		W SERV PE/PLST SHORT SIDE 1 IN	EACH	1
(C) 312+16		W SERV PE/PLST SHORT SIDE 1 IN	EACH	1
(C) 312+63		W SERV PE/PLST SHORT SIDE 1 IN	EACH	1
(C) 312+66		W VALVE 12 INCH	EACH	1
(C) 312+66		W VALVE 12 INCH TEE	EACH	1
(C) 312+61		W PIPE DUCTILE IRON 06 INCH	LF	85
(C)		NOT USED		
•COORDINATE PLACEMENT WITH THE ENGINEER, CUT & PLUG EXISTING SERVICES.				



STORM SEWER CHART						
INLET #	DBI	TYPE	LT/RT/ MED	ALIGNMENT STATION	TOP/GRADE THROAT	INVERT
67	DBI	13	RT	KY 22 312+07.5	594.12	590.95
68	DBI	15	RT	KY 22 312+92	594.60	592.10
69	DBI	16	RT	KY 22 312+92	594.80	591.92

5-804.00 BID ITEMS TABLE - PROPOSED WATER MAIN NOTES THIS SHEET			
NOTE	STATION	ITEM	BID QTY
(C) 312+61		W VALVE 06 INCH	EACH
(C) 312+62		W PLUG EXISTING MAIN	EACH
(C) 312+66		W TIE-IN 06 INCH	EACH
(C) 312+70		W PLUG EXISTING MAIN	EACH
(C) 313+30		W PLUG EXISTING MAIN	EACH
(C) 313+26		W SERVICE SPECIAL	EACH
(C) 313+29		W SERV PE/PLST SHORT SIDE 1 IN	EACH
(C) 313+30		W SERV PE/PLST SHORT SIDE 1 IN	EACH
(C) 313+33		W TIE-IN 12 INCH	EACH
(C) 313+23		W SERV PE/PLST SHORT SIDE 2 IN	EACH
(C) 313+26		W METER 2 INCH	EACH
(C) 313+33		W PIPE DUCTILE IRON 06 INCH	LF
(C) 312+57		FS+297955 (FIELD VERIFY TIE POINT)	10
(C) 312+57		W VALVE 12 INCH	EACH
(C) 312+80		W PLUG EXISTING MAIN	EACH
(C) 312+61		NOT USED	
(C) 312+69		6 INCH - 45° BEND	
(C) 312+69		6 INCH - 45° BEND	
•COORDINATE PLACEMENT WITH THE ENGINEER, CUT & PLUG EXISTING SERVICES.			

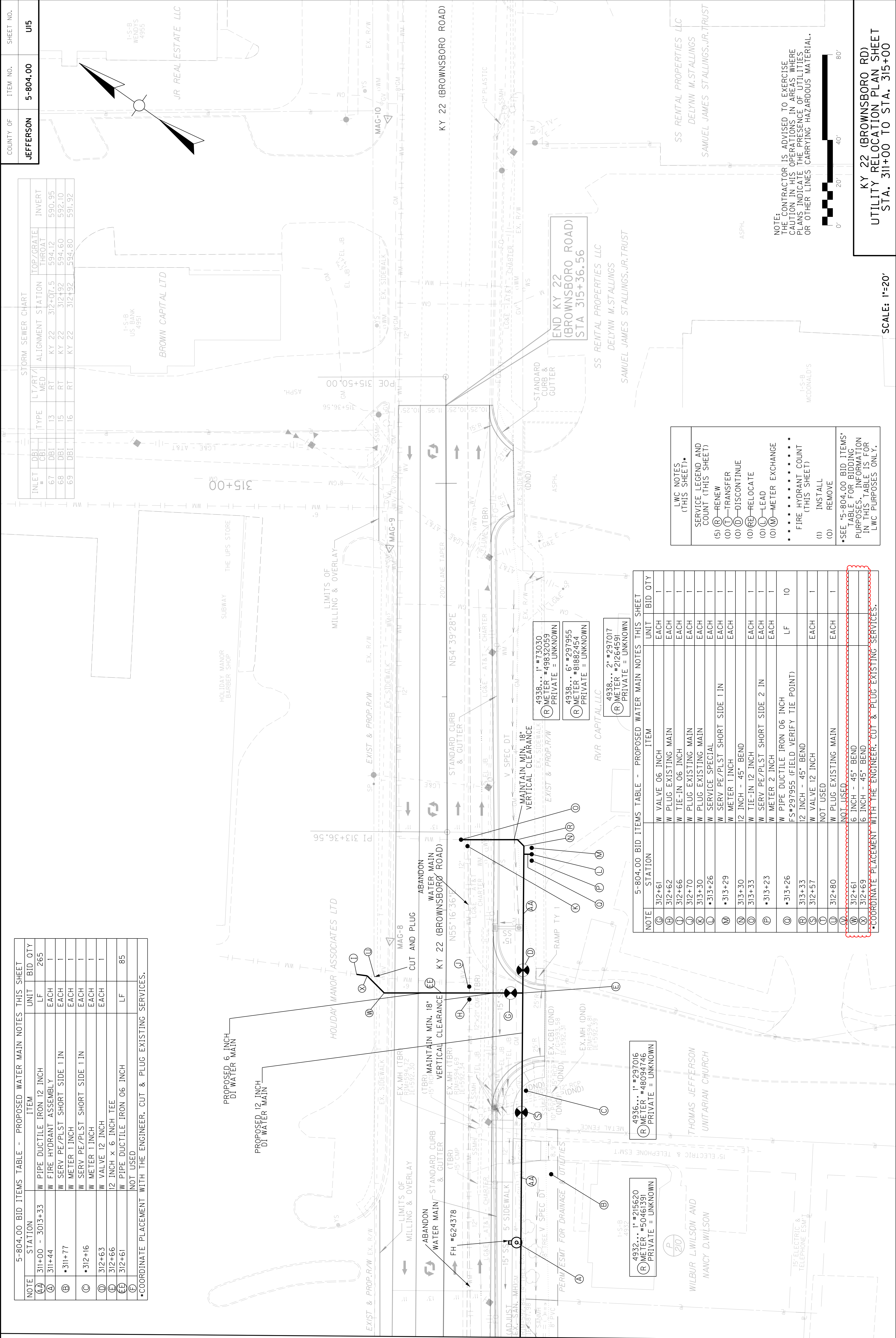
LWC NOTES (THIS SHEET)•	
SERVICE LEGEND AND COUNT (THIS SHEET)	
(5) (B) RENEW	
(10) (C) TRANSFER	
(10) (D) DISCONTINUE	
(10) (E) RELOCATE	
(10) (F) LEAD	
(10) (G) METER EXCHANGE	
•••••	
FIRE HYDRANT COUNT (THIS SHEET)	
(1) INSTALL	
(10) REMOVE	
•SEE "5-804.00 BID ITEMS" TABLE FOR BIDDING PURPOSES. INFORMATION IN THIS TABLE IS FOR LWC PURPOSES ONLY.	

NOTE:
THE CONTRACTOR IS ADVISED TO EXERCISE CAUTION IN HIS OPERATIONS IN AREAS WHERE PLANS INDICATE THE PRESENCE OF UTILITIES OR OTHER LINES CARRYING HAZARDOUS MATERIAL.

5-804.00 BID ITEMS TABLE - PROPOSED WATER MAIN NOTES THIS SHEET				
NOTE	STATION	ITEM	UNIT	BID QTY
(A) 311+00 - 3013+33		W PIPE DUCTILE IRON 12 INCH	LF	265
(A) 311+44		W FIRE HYDRANT ASSEMBLY	EACH	1
(B) 311+77		W SERV PE/PLST SHORT SIDE 1 IN	EACH	1
(C) 312+16		W SERV PE/PLST SHORT SIDE 1 IN	EACH	1
(C) 312+63		W VALVE 12 INCH	EACH	1
(E) 312+66		12 INCH x 6 INCH TEE	EACH	1
(E) 312+61		W PIPE DUCTILE IRON 06 INCH	LF	85
(E)		NOT USED		
•COORDINATE PLACEMENT WITH THE ENGINEER, CUT & PLUG EXISTING SERVICES.				

COUNTY OF	ITEM NO.	SHEET NO.
JEFFERSON	5-804.00	UI5

STORM SEWER CHART						
INLET #	DBI	TYPE	LT/RT/ MED	ALIGNMENT STATION	TOP/GRADE THROAT	INVERT
67	DBI 1	I3	RT	KY 22 312+07.5	594.12	590.95
68	DBI 1	I5	RT	KY 22 312+92	594.60	592.10
69	DBI 1	I6	RT	KY 22 312+92	594.80	591.92



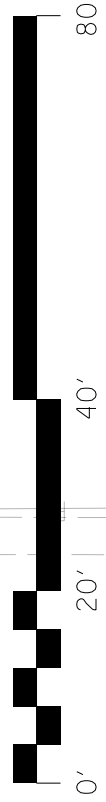
5-804.00 BID ITEMS TABLE - PROPOSED WATER MAIN NOTES THIS SHEET				
NOTE	STATION	ITEM	UNIT	BID QTY
(C) 312+61		W VALVE 06 INCH	EACH	1
(H) 312+62		W PLUG EXISTING MAIN	EACH	1
(I) 312+66		W TIE-IN 06 INCH	EACH	1
(J) 312+70		W PLUG EXISTING MAIN	EACH	1
(K) 313+30		W PLUG EXISTING MAIN	EACH	1
(L) 313+26		W SERVICE SPECIAL	EACH	1
(M) 313+29		W SERV PE/PLST SHORT SIDE 1 IN	EACH	1
(N) 313+30		W SERV PE/PLST SHORT SIDE 1 IN	EACH	1
(O) 313+33		W TIE-IN 12 INCH	EACH	1
(P) 313+23		W SERV PE/PLST SHORT SIDE 2 IN	EACH	1
(Q) 313+26		W PIPE DUCTILE IRON 06 INCH	EACH	1
(R) 313+33		FS+297955 (FIELD VERIFY TIE POINT)	LF	10
(S) 312+57		W VALVE 12 INCH	EACH	1
(T) 312+80		NOT USED		
(U) 312+80		W PLUG EXISTING MAIN	EACH	1
(V) 312+61		6 INCH - 45° BEND	EACH	1
(X) 312+69		6 INCH - 45° BEND	EACH	1

LWC NOTES (THIS SHEET)*
SERVICE LEGEND AND COUNT (THIS SHEET)
(5) (B) RENEW
(10) (I) TRANSFER
(10) (O) DISCONTINUE
(10) (RE) RELOCATE
(10) (L) LEAD
(10) (M) METER EXCHANGE

FIRE HYDRANT COUNT (THIS SHEET)
(I) INSTALL
(O) REMOVE

*SEE "5-804.00 BID ITEMS" TABLE FOR BIDDING PURPOSES. INFORMATION IN THIS TABLE IS FOR LWC PURPOSES ONLY.

NOTE:
THE CONTRACTOR IS ADVISED TO EXERCISE CAUTION IN HIS OPERATIONS IN AREAS WHERE PLANS INDICATE THE PRESENCE OF UTILITIES OR OTHER LINES CARRYING HAZARDOUS MATERIAL.



KY 22 (BROWNSBORO RD)
UTILITY RELOCATION PLAN SHEET
STA. 311+00 TO STA. 315+00

SCALE: 1"=20'

MATCHLINE STA. 311+00 FOR CONTINUATION SEE UI4