

# WESTERN PULASKI COUNTY WATER DISTRICT FAUBUSH/NANCY AREA KY HIGHWAY 80 WATER TRANSMISSION MAIN PHASE 2 PULASKI COUNTY, KENTUCKY

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## WESTERN PULASKI COUNTY WATER DISTRICT

JOEL L. WILSON, CHAIRMAN

AMY POLSTON  
STEVE DAVIS

BRUCE GOVER  
RANDALL WILSON

OFFICE MANAGER - TAMMY VAUGHT  
UTILITIES MANAGER - JOE McCLENDON

ATTORNEY - JOHN PRUITT

MAY 2025

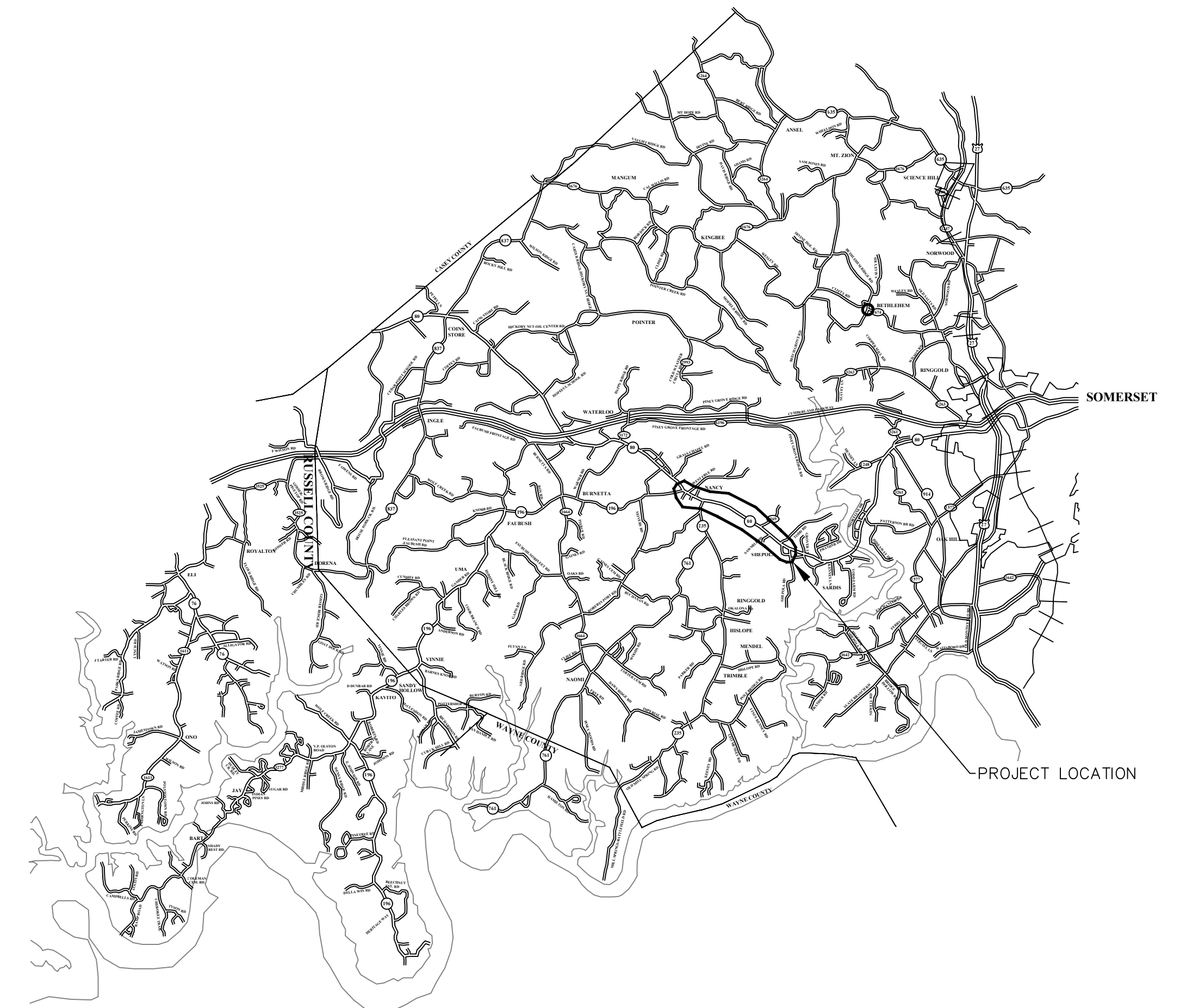
## THIS PROJECT FUNDED BY:

KENTUCKY INFRASTRUCTURE AUTHORITY (KIA)  
FUND B 25-006

**M**  
Monarch Engineering, Inc.

556 CARLTON DRIVE  
LAWRENCEBURG, KY 40342

## LOCATION MAP





GENERAL NOTES TO CONTRACTOR

- BEFORE CONSTRUCTION BEGINS NEAR OR THROUGH EXISTING UTILITIES (i.e. GAS CO., TELEPHONE CO., CABLE CO., ETC.) EACH UTILITY COMPANY SHALL BE NOTIFIED. A REQUEST FOR THE EXACT LOCATION OF THE UTILITY SHALL BE MADE, AND PERMISSION TO PROCEED WITH CONSTRUCTION OBTAINED.
- BEFORE CONSTRUCTION BEGINS THROUGH ANY PROPERTY, THE CONTRACTOR SHALL MAKE HIMSELF AWARE OF THE EXACT LOCATION OF CONSTRUCTION THROUGH THE PROPERTY AND THE BOUNDS OF THE PERMANENT AND TEMPORARY CONSTRUCTION EASEMENTS.
- THE CONTRACTOR SHALL HAVE ON HAND AT THE JOB SITE 22, 45, AND 90 DEGREE BENDS TO ALLOW FOR THEIR USE WHERE WESTERN PULASKI COUNTY WATER DISTRICT REQUESTS INSTALLATION AS NECESSARY.
- PIPE JOINT DEFLECTION IS NOT TO EXCEED MANUFACTURER’S ALLOWABLE LIMITS.
- CONNECTING NEW LINES TO EXISTING LINES OR TO WORK IN THEIR CONTRACTS IS SUBSIDIARY TO THE CONTRACT. IT INCLUDES FITTINGS, SLEEVES, ETC., BUT DOES NOT INCLUDE GATE VALVES, WHICH ARE EXTRA PAY ITEM.
- THE CONTRACTOR SHALL FREE BORE ALL ASPHALT AND CONCRETE RESIDENTIAL DRIVEWAYS IN DIRT AND OPEN CUT IN ROCK AS DIRECTED BY THE WESTERN PULASKI COUNTY WATER DISTRICT AND ENGINEER. THE CONTRACTOR SHALL EXCAVATE FROM EITHER SIDE OF ALL FENCES TO AVOID CUTTING. FENCE CUTTING AND REPAIR SHALL BE LIMITED TO UNIQUE CONDITIONS WHERE APPROVED BY WESTERN PULASKI COUNTY WATER DISTRICT.
- ALL STREAM AND RIVER CROSSINGS GREATER THAN 15 FEET WIDE SHALL HAVE GATE VALVES INSTALLED ON EACH SIDE OF THE CROSSING. THE VALVE ON THE SOURCE SIDE SHALL HAVE A BYPASS SERVICE METER INSTALLED FOR LEAK DETECTION.
- ALL WATER LINES WITHIN 200 FEET RADIUS OF UNDERGROUND STORAGE TANKS (KRS–224.6–100), PETROLEUM STORAGE TANKS (KRS–224.60–115) AND ASSOCIATED PUMPS AND LINES SHALL BE DUCTILE IRON PIPE WITH PETROLEUM RESISTANT JOINTS AND ALL SERVICE LINE SHALL BE COPPER.
- WATER MAINS CROSSING SEWERS SHALL BE LAID TO PROVIDE A MINIMUM VERTICAL DISTANCE OF 18 INCHES BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF THE SEWER. THIS SHALL BE THE CASE WHERE THE WATER MAIN IS ABOVE OR BELOW THE SEWER AT CROSSINGS, ONE FULL LENGTH OF THE WATER PIPE SHALL BE LOCATED SO BOTH JOINTS WILL BE AS FAR FROM THE SEWER AS POSSIBLE. SPECIAL STRUCTURAL SUPPORT FOR THE WATER AND SEWER PIPES MAY BE REQUIRED.
- WATER MAINS INSTALLED PARALLEL TO SEWERS SHALL BE LAID TO PROVIDE A MINIMUM HORIZONTAL DISTANCE OF 10 FEET BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF THE SEWER MAIN.
- THE CONTRACTOR SHALL NOT BE ALLOWED TO MAINTAIN PERSONNEL RESIDENCY FOR ANY EMPLOYEE ON THE CONSTRUCTION SITE.
- WHEN WORKING ALONG THE COMMONWEALTH OF KENTUCKY RIGHT OF WAY, THE CONTRACTOR SHALL BE ADVISED THAT THE WATER LINES SHALL NOT BE PLACED IN FILL AREAS.
- WHEN PERFORMING WORK ALONG OR ACROSS ANY PUBLIC ROADWAY, THE CONTRACTOR SHALL POST WARNING SIGNS PAINTED ORANGE AND THEY SHALL BE FOUR (4) FEET BY FOUR (4) FEET MOUNTED ON POSTS IN ACCORDANCE WITH THE KENTUCKY TRANSPORTATION DEPARTMENT’S MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. THE SIGNS SHALL B AS FOLLOWS:
  - 1) CAUTION PIPELINE CONSTRUCTION 1500 FEET
  - 2) CAUTION PIPELINE CONSTRUCTION 1000 FEET
  - 3) CAUTION PIPELINE CONSTRUCTION 500 FEET
- THE CONTRACTOR SHALL MAINTAIN TWO (2) FLAG MEN AT ALL TIMES WHERE MACHINERY IS IN OPERATION WHEN WORKING THE FLOW OF TRAFFIC WILL BE DISTURBED. THERE IS NO EXCEPTION TO THIS REQUIREMENT. THE USE OF RADIOS WILL BE REQUIRED WHEN VISUAL CONTRACT BETWEEN THE FLAG MEN DOES NOT EXIST.
- ALL SIGNS, BARRICADES, LIGHTS AND TRAFFIC CONTROL SHALL BE INSTALLED IN ACCORDANCE WITH THE KENTUCKY TRANSPORTATION DEPARTMENT’S MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- AT THE COMPLETION OF EACH WORK DAY, THE CONTRACTOR SHALL BACKFILL ALL OPEN TRENCHES AND INSTALL ALL TRAFFIC CONTROL SIGNS, BARRICADES AND LIGHTS IN ACCORDANCE WITH THE KENTUCKY TRANSPORTATION DEPARTMENT’S MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING ENTIRE ROADWAY FREE AND CLEAR AT THE END OF EACH WORKING DAY. NO EQUIPMENT SHALL BE LEFT ON OR PARKED ALONG THE ROAD RIGHT OF WAY.
- ALL NECESSARY STEPS SHALL BE TAKEN TO PREVENT EROSION OR SILTATION OF THE PUBLIC RIGHT OF WAY, ADJOINING PROPERTY AND WATER WAYS.

WATER LINE GENERAL NOTES

- ALL WATER LINES SHALL BE DUCTILE IRON CONFORMING TO AWWA SPECIFICATIONS C–151 (ASA A21.51) FOR MATERIAL AND SHALL BE CLASS 350 AS SHOWN ON THE DRAWINGS. ALL JOINTS SHALL BE MECHANICAL JOINT, RUBBER RING SLIP JOINT, FLANGED, OR LOCKED MECHANICAL JOINT EQUAL TO AWWA C–111.
- FITTINGS SHALL BE DUCTILE IRON CLASS 250 IN ACCORDANCE WITH AWWA C111–71 (ANSI A21.10).
- ALL VALVES SHALL CONFORM TO AWWA C500.
- CONSTRUCTION PRACTICES AND PROCEDURES SHALL CONFORM TO CURRENT AWWA STANDARDS AND BE APPROVED BY THE WESTERN PULASKI COUNTY WATER DISTRICT.
- AFTER INSTALLATION, WATER LINES SHALL BE DISINFECTED WITH A CHLORINE SOLUTION IN SUCH AMOUNTS AS TO PRODUCE A CONCENTRATION OF AT LEAST FIFTY (50) PPM AND A RESIDUAL OF AT LEAST TWENTY–FIVE (25) PPM AT THE END OF THE 24 HOURS AND FOLLOWED BY THROUGH FLUSHING.
- MINIMUM COVER OF WATER LINES SHALL BE 30 INCHES. WATER LINE WITHIN COMMONWEALTH OF KENTUCKY RIGHT–OF–WAYS SHALL HAVE A MINIMUM COVER OF 42–INCHES.
- CONTRACTOR SHALL FULLY COMPLY WITH ALL LOCAL, STATE AND FEDERAL SAFETY AND ENVIRONMENTAL REGULATIONS GOVERNING UTILITY CONSTRUCTION.
- ALL WATER LINE CROSSING PAVED SURFACE SHALL BE BACKFILLED FULL DEPTH WITH COMPACTED CRUSHED STONE.
- EXISTING AND PROPOSED WATER MAIN LOCATIONS SHALL BE VERIFIED BY WESTERN PULASKI COUNTY WATER DISTRICT PRIOR TO CONSTRUCTION.
- ALL PIPE AND FITTINGS SHALL HAVE A MINIMUM OF 6–INCHES OF BEDDING OF DIRT UNDER AND ON BOTH SIDES OF PIPE UNLESS OTHERWISE SPECIFIED. ALL PIPE AND FITTING SHALL BE BACK–FILLED WITH DIRT UNLESS OTHERWISE SPECIFIED.
- ALL FITTINGS: 90° BENDS, TEES, ETC., SHALL BE BLOCK WITH A MINIMUM OF 12–INCHES POURED CONCRETE AGAINST UNDISTURBED SOIL.
- ALL GATE VALVES SHALL TURN RIGHT TO CLOSE AND TURN LEFT TO OPEN.
- ALL VALVES SHALL BE C.I. VALVE BOXES EXTENDING 2–INCHES ABOVE SURFACE.
- ALL FLUSH HYDRANTS SHALL BE STANDARD 2–WAY 5 1/4–INCHES BREAKAWAY TYPE WITH A MINIMUM 3 1/2–FEET BURY AND TURN LEFT TO OPEN AND RIGHT TO CLOSE.
- ALL PROPOSED WATER LINES SHALL HAVE A #12 COATED TRACER WIRE.
- ALL FLUSH HYDRANTS, WATER VALVES AND FITTINGS SHALL HAVE RESTRAINER GLANDS.
- ALL WATER LINES SHALL BE PRESSURE TESTED TO 150 PSI FOR A MINIMUM OF FOUR (4) HOURS.
- CONTRACTOR SHALL PROVIDE BACTERIAL SAMPLE RESULTS OF PROPOSED WATER LINES TO THE WESTERN PULASKI COUNTY WATER DISTRICT.

OWNER

WESTERN PULASKI COUNTY WATER DISTRICT  
1059 WEST HIGHWAY 80  
SOMERSET, KY 42503  
(606) 679–1569

LINE/CABLE LOCATION SERVICES

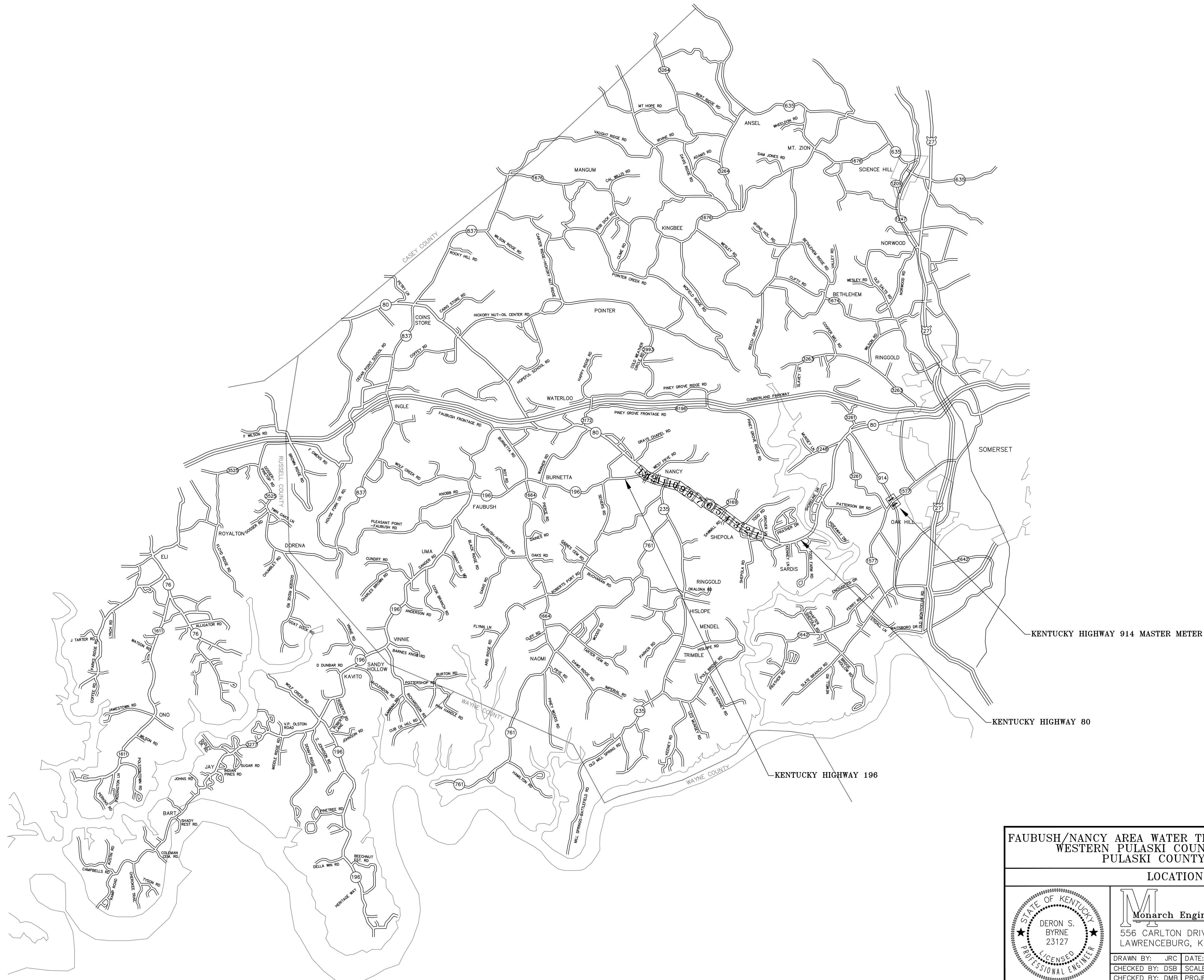


BEFORE–U–DIG (BUD)  
(800) 752–6007

NOTE:  
KENTUCKY STATUTES (KRS 367.4901 THROUGH 367.4917) REQUIRE THAT ALL EXCAVATORS PLANNING EXCAVATION OR DEMOLITION WORK SHALL NOTIFY ALL UTILITY COMPANIES IN THE AREA AND/OR AN UNDERGROUND PROTECTION SERVICE SUCH AS BUD (800–752–6007) AT LEAST TWO (2) WORKING DAYS BEFORE COMMENCING WORK TO ALERT UTILITY COMPANIES IN THE AREA WITH UNDERGROUND FACILITIES OF THE PLANNED EXCAVATION OR DEMOLITION ACTIVITIES.

FAUBUSH/NANCY AREA WATER TRANSMISSION MAIN–PHASE 2 WESTERN PULASKI COUNTY WATER DISTRICT PULASKI COUNTY, KENTUCKY			
GENERAL NOTES			
	<b>Monarch Engineering, Inc.</b>		
	556 CARLTON DRIVE LAWRENCEBURG, KY 40342		
	DRAWN BY: JRC	DATE: APRIL 2025	REVISED
	CHECKED BY: DSB	SCALE: N.T.S.	
	CHECKED BY: DMB	PROJECT: 2505	
			G–1





FAUBUSH/NANCY AREA WATER TRANSMISSION MAIN-PHASE 2  
WESTERN PULASKI COUNTY WATER DISTRICT  
PULASKI COUNTY, KENTUCKY

LOCATION MAP

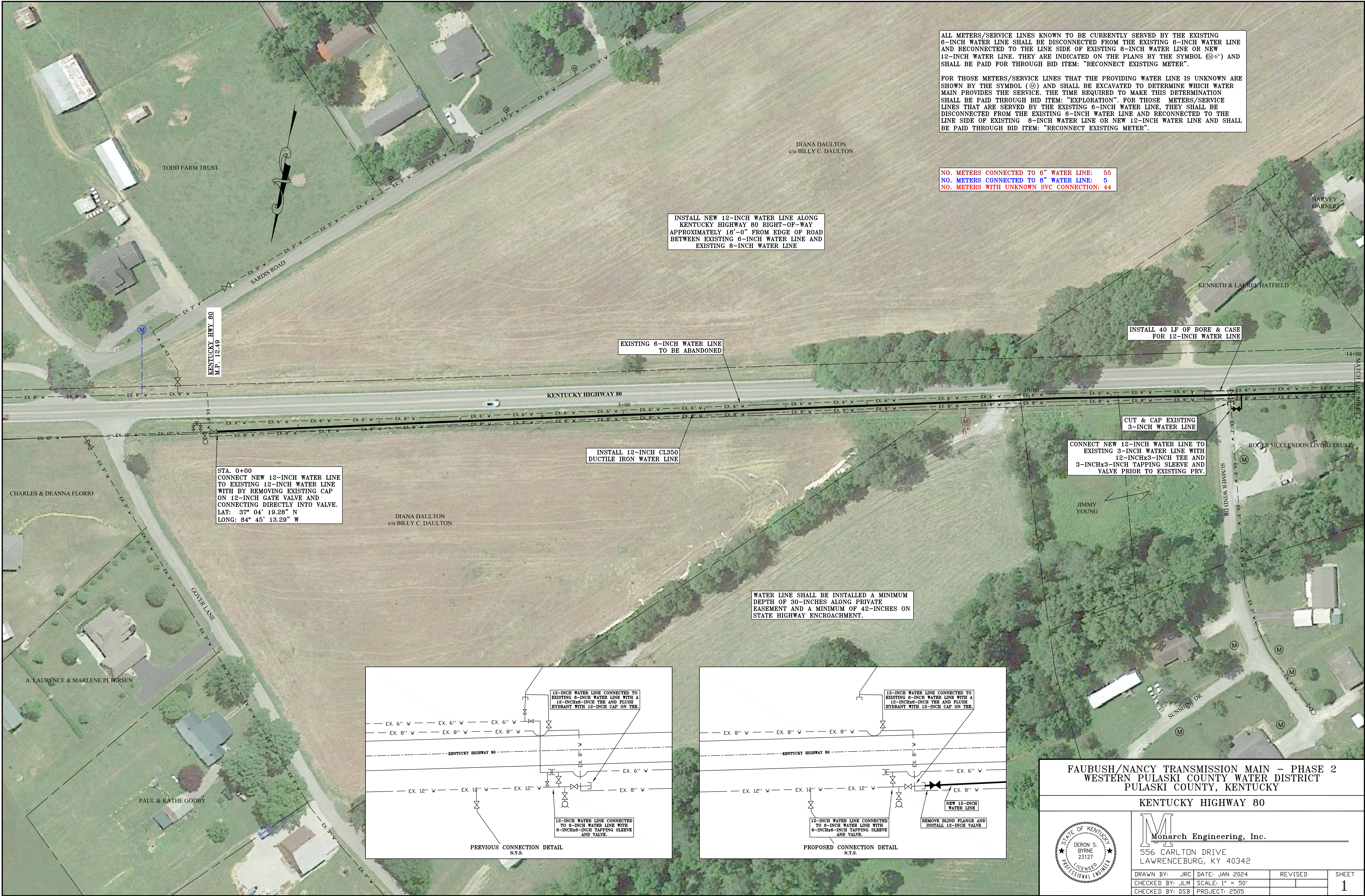


**Monarch Engineering, Inc.**

556 CARLTON DRIVE  
LAWRENCEBURG, KY 40342

DRAWN BY: JRC	DATE: APRIL 2025	REVISED	SHEET
CHECKED BY: DSB	SCALE: 1"=100'		LM-1
CHECKED BY: DMB	PROJECT: 2505		





ALL METERS/SERVICE LINES KNOWN TO BE CURRENTLY SERVED BY THE EXISTING 6-INCH WATER LINE SHALL BE DISCONNECTED FROM THE EXISTING 6-INCH WATER LINE AND RECONNECTED TO THE LINE SIDE OF EXISTING 8-INCH WATER LINE OR NEW 12-INCH WATER LINE. THEY ARE INDICATED ON THE PLANS BY THE SYMBOL (Ⓜ) AND SHALL BE PAID FOR THROUGH BID ITEM: "RECONNECT EXISTING METER".

FOR THOSE METERS/SERVICE LINES THAT THE PROVIDING WATER LINE IS UNKNOWN ARE SHOWN BY THE SYMBOL (Ⓜ) AND SHALL BE EXCAVATED TO DETERMINE WHICH WATER MAIN PROVIDES THE SERVICE. THE TIME REQUIRED TO MAKE THIS DETERMINATION SHALL BE PAID THROUGH BID ITEM: "EXPLORATION". FOR THOSE METERS/SERVICE LINES THAT ARE SERVED BY THE EXISTING 6-INCH WATER LINE, THEY SHALL BE DISCONNECTED FROM THE EXISTING 6-INCH WATER LINE AND RECONNECTED TO THE LINE SIDE OF EXISTING 8-INCH WATER LINE OR NEW 12-INCH WATER LINE AND SHALL BE PAID THROUGH BID ITEM: "RECONNECT EXISTING METER".

NO. METERS CONNECTED TO 6" WATER LINE: 55  
NO. METERS CONNECTED TO 8" WATER LINE: 5  
NO. METERS WITH UNKNOWN SVC CONNECTION: 44

INSTALL NEW 12-INCH WATER LINE ALONG KENTUCKY HIGHWAY 80 RIGHT-OF-WAY APPROXIMATELY 18'-0" FROM EDGE OF ROAD BETWEEN EXISTING 6-INCH WATER LINE AND EXISTING 8-INCH WATER LINE

EXISTING 6-INCH WATER LINE TO BE ABANDONED

INSTALL 12-INCH CL350 DUCTILE IRON WATER LINE

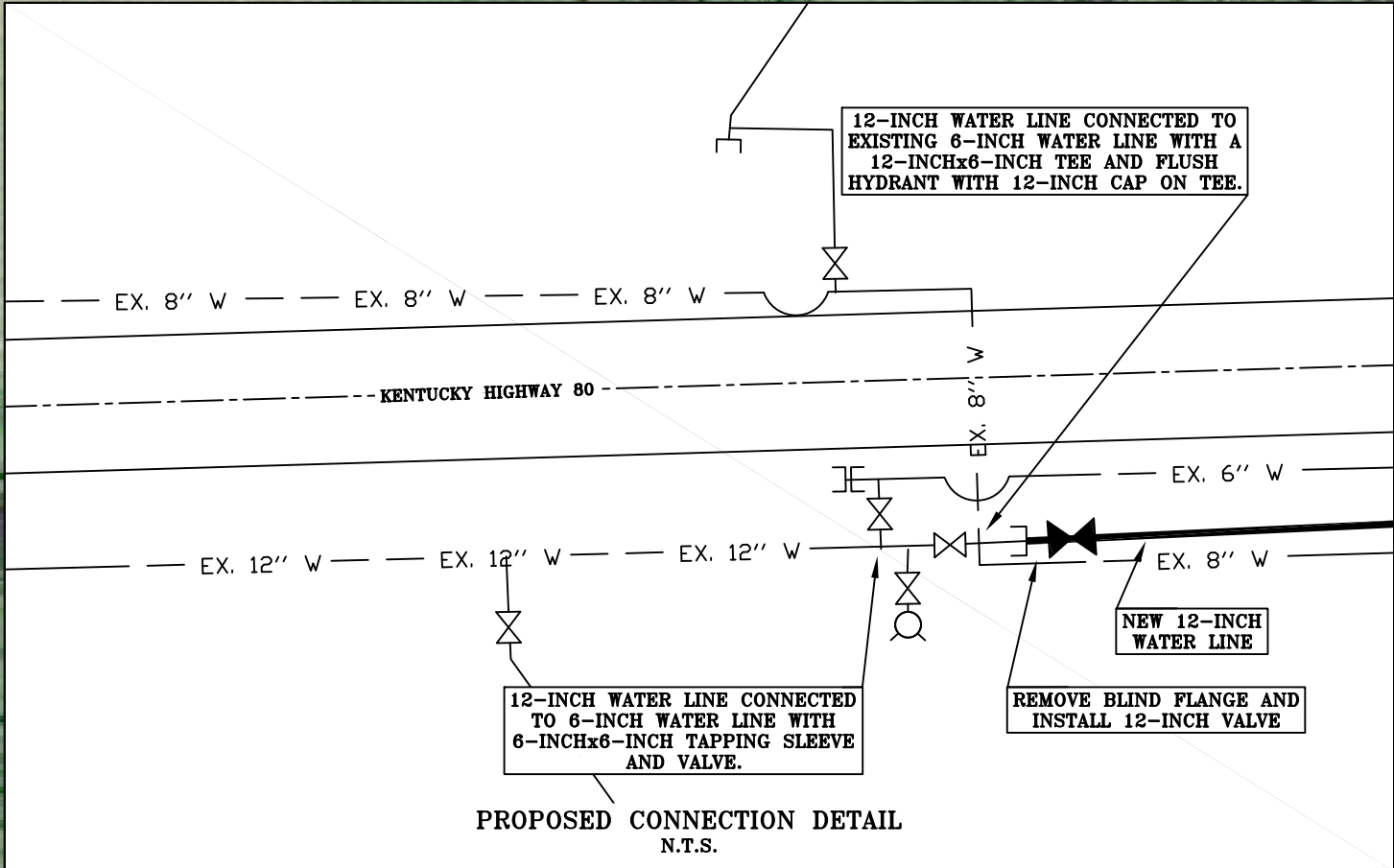
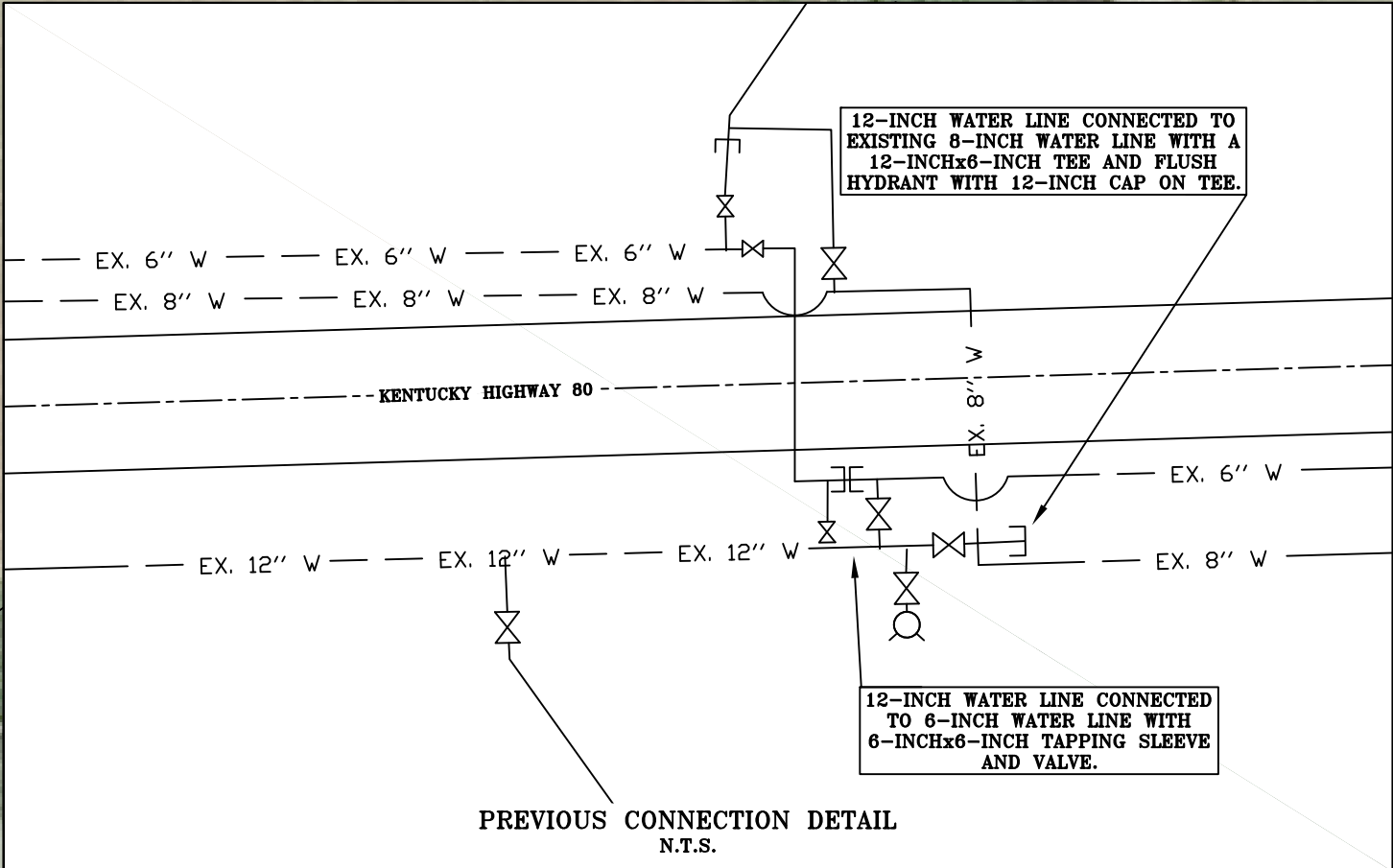
INSTALL 40 LF OF BORE & CASE FOR 12-INCH WATER LINE

CUT & CAP EXISTING 3-INCH WATER LINE

CONNECT NEW 12-INCH WATER LINE TO EXISTING 3-INCH WATER LINE WITH 12-INCHx3-INCH TEE AND 3-INCHx3-INCH TAPPING SLEEVE AND VALVE PRIOR TO EXISTING PRV.

STA. 0+00  
CONNECT NEW 12-INCH WATER LINE TO EXISTING 12-INCH WATER LINE WITH BY REMOVING EXISTING CAP ON 12-INCH GATE VALVE AND CONNECTING DIRECTLY INTO VALVE.  
LAT: 37° 04' 19.28" N  
LONG: 84° 45' 13.29" W

WATER LINE SHALL BE INSTALLED A MINIMUM DEPTH OF 30-INCHES ALONG PRIVATE EASEMENT AND A MINIMUM OF 42-INCHES ON STATE HIGHWAY ENCROACHMENT.



FAUBUSH/NANCY TRANSMISSION MAIN - PHASE 2  
WESTERN PULASKI COUNTY WATER DISTRICT  
PULASKI COUNTY, KENTUCKY

KENTUCKY HIGHWAY 80

STATE OF KENTUCKY  
DERON S. BYRNE  
23127  
LICENSED PROFESSIONAL ENGINEER

Monarch Engineering, Inc.  
556 CARLTON DRIVE  
LAWRENCEBURG, KY 40342

DRAWN BY: JRC	DATE: JAN 2024	REVISED	SHEET
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CHECKED BY: DSB	PROJECT: 2505		





FAUBUSH/NANCY TRANSMISSION MAIN – PHASE 2  
WESTERN PULASKI COUNTY WATER DISTRICT  
PULASKI COUNTY, KENTUCKY

KENTUCKY HIGHWAY 80

STATE OF KENTUCKY

DERON S. BYRNE

23127

PROFESSIONAL ENGINEER

M

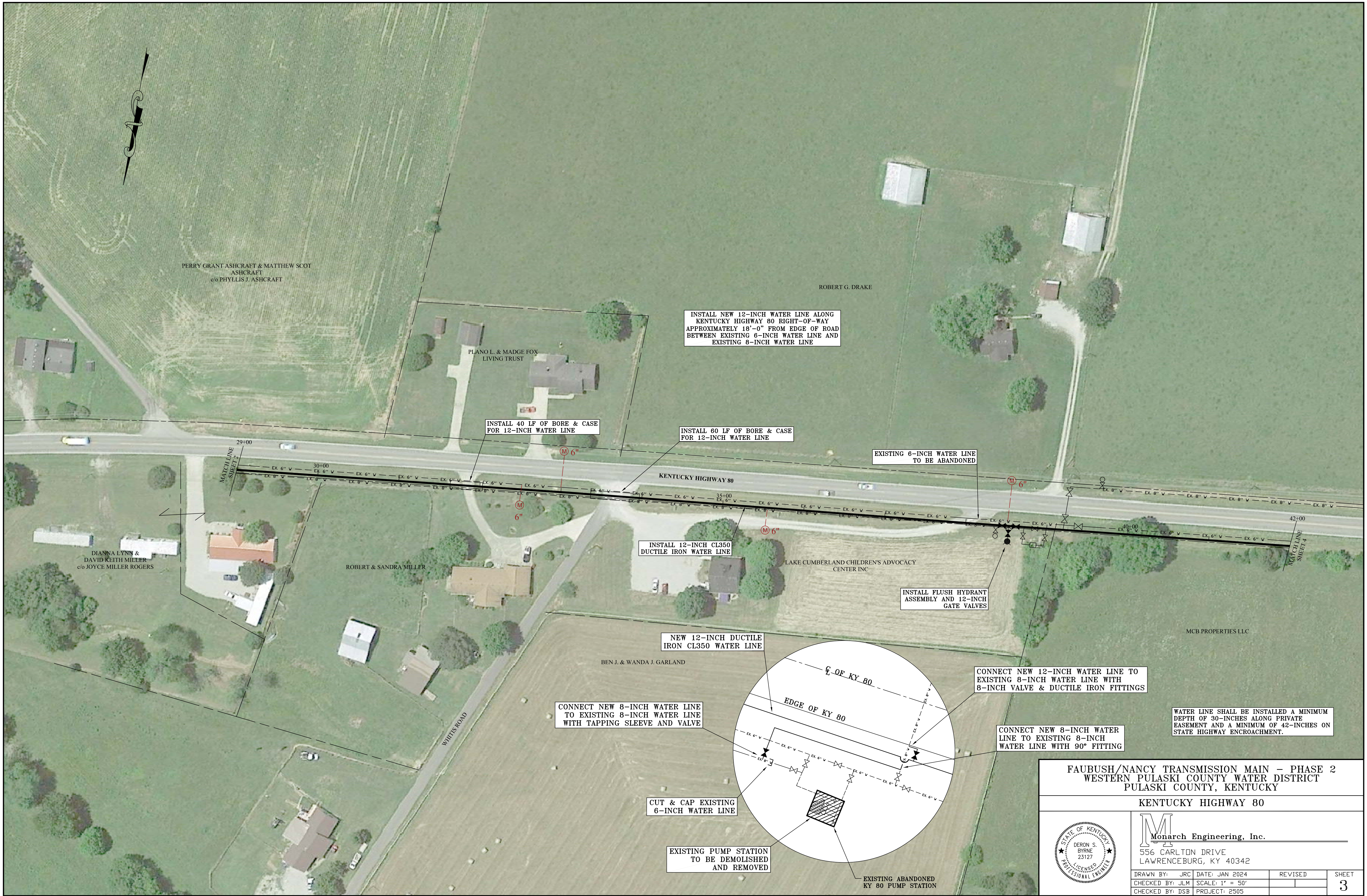
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556 CARLTON DRIVE

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FAUBUSH/NANCY TRANSMISSION MAIN – PHASE 2  
WESTERN PULASKI COUNTY WATER DISTRICT  
PULASKI COUNTY, KENTUCKY

KENTUCKY HIGHWAY 80

STATE OF KENTUCKY  
DERON S. BYRNE  
23127  
LICENSED PROFESSIONAL ENGINEER

M

Monarch Engineering, Inc.

556 CARLTON DRIVE  
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CHECKED BY: DSB	PROJECT: 2505		





FAUBUSH/NANCY TRANSMISSION MAIN – PHASE 2  
WESTERN PULASKI COUNTY WATER DISTRICT  
PULASKI COUNTY, KENTUCKY

KENTUCKY HIGHWAY 80

STATE OF KENTUCKY  
DERON S. BYRNE  
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LICENSED PROFESSIONAL ENGINEER

M

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556 CARLTON DRIVE  
LAWRENCEBURG, KY 40342

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CHECKED BY: JLM	SCALE: 1" = 50'		4
CHECKED BY: DSB	PROJECT: 2505		