

WESTERN PULASKI COUNTY WATER DISTRICT

BIG CLIFTY CREEK AREA - PHASE 2

KY HIGHWAY 80 / FISHING CREEK BRIDGE

WATER LINE REPLACEMENT

PULASKI COUNTY, KENTUCKY

LOCATION MAP

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WESTERN PULASKI COUNTY WATER DISTRICT

DON CALDER, CHAIRMAN

AMY POLSTON	JOEL WILSON
STEVE DAVIS	RANDALL WILSON

OFFICE MANAGER - TAMMY VAUGHT
GENERAL MANAGER - JOE McCLENDON

ATTORNEY - JOHN PRUITT

FEBRUARY 2020



M
Monarch Engineering, Inc.

556 CARLTON DRIVE
LAWRENCEBURG, KY 40342



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 BE 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 CONTACT BETWEEN THE FLAG MEN DOES NOT EXIST.
- ALL SIGNS, BARRICADES, LIGHTS AND TRAFFIC CONTROL SHALL BE INSTALLED IN ACCORDANCE WITH THE KENTUCKY TRANSPORTATION DEPARTMENT AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD 2009).
- 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 AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD 2009).
- 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

1. ALL WATER LINES SHALL BE DUCTILE IRON CL 350 IN ACCORDANCE WITH AWWA C-151 (ASA A21.51) AND DUCTILE IRON FLEX RESTRAINED JOINT PIPE AS SHOWN ON THE DRAWINGS.
2. FITTINGS SHALL BE DUCTILE IRON CLASS 250 IN ACCORDANCE WITH AWWA C111-71 (ANSI A21.10).
3. ALL VALVES SHALL CONFORM TO AWWA C500.
4. CONSTRUCTION PRACTICES AND PROCEDURES SHALL CONFORM TO CURRENT AWWA STANDARDS AND BE APPROVED BY THE WESTERN PULASKI COUNTY WATER DISTRICT.
5. 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.
6. 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.
7. CONTRACTOR SHALL FULLY COMPLY WITH ALL LOCAL, STATE AND FEDERAL SAFETY AND ENVIRONMENTAL REGULATIONS GOVERNING UTILITY CONSTRUCTION.
8. ALL WATER LINE CROSSING PAVED SURFACE SHALL BE BACKFILLED FULL DEPTH WITH COMPACTED CRUSHED STONE.
9. EXISTING AND PROPOSED WATER MAIN LOCATIONS SHALL BE VERIFIED BY WESTERN PULASKI COUNTY WATER DISTRICT PRIOR TO CONSTRUCTION.
10. 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.
11. ALL FITTINGS: 90° BENDS, TEES, ETC., SHALL BE BLOCK WITH A MINIMUM OF 12-INCHES POURED CONCRETE AGAINST UNDISTURBED SOIL.
12. ALL GATE VALVES SHALL TURN RIGHT TO CLOSE AND TURN LEFT TO OPEN.
13. ALL VALVES SHALL BE C.I. VALVE BOXES EXTENDING 2-INCHES ABOVE SURFACE.
14. 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.
15. ALL PROPOSED WATER LINES SHALL HAVE A #12 COATED TRACER WIRE.
16. ALL FLUSH HYDRANTS, WATER VALVES AND FITTINGS SHALL HAVE RESTRAINER GLANDS.
17. ALL WATER LINES SHALL BE PRESSURE TESTED TO 150 PSI FOR A MINIMUM OF FOUR (4) HOURS.
18. CONTRACTOR SHALL PROVIDE BACTERIAL SAMPLE RESULTS OF PROPOSED WATER LINES TO THE WESTERN PULASKI COUNTY WATER DISTRICT.
19. SHOULD A PORTION OR SECTION OF THE EXISTING 10-INCH PIPE FALL INTO THE LAKE FROM THE BRIDGE DURING THE REMOVAL PROCESS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR RETRIEVING THAT PORTION OR SECTION OF PIPE.

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.

FISHING CREEK BRIDGE WATER LINE REPLACEMENT
 WESTERN PULASKI COUNTY WATER DISTRICT
 PULASKI COUNTY, KENTUCKY

GENERAL NOTES

	Monarch Engineering, Inc. 556 CARLTON DRIVE LAWRENCEBURG, KY 40342		SHEET G-1	
	DRAWN BY: JRC	DATE: FEB 2020		REVISED
	CHECKED BY: DSB	SCALE: N.T.S.		
	CHECKED BY: DMB	PROJECT: 2001		



KENTUCKY HIGHWAY 80/
FISHING CREEK BRIDGE
WATER LINE REPLACEMENT

FISHING CREEK BRIDGE WATER LINE REPLACEMENT
WESTERN PULASKI COUNTY WATER DISTRICT
PULASKI COUNTY, KENTUCKY

LOCATION MAP



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

DRAWN BY: JRC	DATE: FEB 2020	REVISED	SHEET
CHECKED BY: DSB	SCALE: 1"=100'		LM-1
CHECKED BY: DMB	PROJECT: 2001		



WHEN NECESSARY TO BLOCK ONE (1) TRAVELED-LANE OF THE STATE HIGHWAY, CONTRACTOR SHALL INSTALL TEMPORARY TRAFFIC SIGNAL AS DIRECTED BY ENGINEER

STA. 1+15 TO 7+75
INSTALL 12-INCH DUCTILE IRON WATER LINE 6- FEET FROM EDGE OF PAVEMENT. MINIMUM DEPTH OF COVER = 42-INCHES.

STA. 7+75
END 12-INCH DUCTILE IRON CL 350 WATER LINE. BEGIN 12-INCH FLANGED DUCTILE IRON PIPE AND 12-INCH DUCTILE IRON FLEX RESTRAINED JOINT PIPE ON BRIDGE.

STA. 0+00
CONNECT NEW 12-INCH WATER LINE TO EXISTING 10-INCH WATER LINE WITH 12-INCHx10-INCH REDUCER AND 10-INCHx10-INCH TAPPING SLEEVE AND VALVE.

INSTALL 50 LF OF BORE & CASE FOR 12-INCH WATER LINE.

SEE DETAIL OF 12-INCH WATER LINE AT THE TRANSITION FROM BURIED PIPE TO BRIDGE CROSSING PIPE - PLAN SHEETS BC-1 AND BC-2.

CONTRACTOR SHALL INSTALL "STOP HERE ON RED" SIGN AS DIRECTED BY ENGINEER AND AS SHOWN ON MOT-1

WHEN NECESSARY TO BLOCK ONE (1) TRAVELED-LANE OF A STATE HIGHWAY, THE NORMAL WORKING HOURS SHALL BE AS DIRECTED BY THE KENTUCKY TRANSPORTATION CABINET (KYTC). NO LANES SHALL BE BLOCKED OR OBSTRUCTED DURING ADVERSE WEATHER CONDITIONS (RAIN, SNOT, FOG, ETC.) WITHOUT SPECIFIC PERMISSION FROM THE KYTC. WORKING HOURS SHALL BE BETWEEN 8:30 AM AND 4:00 PM. SEE MOT-1 FOR LANE CLOSURE DETAILS AND NOTES.

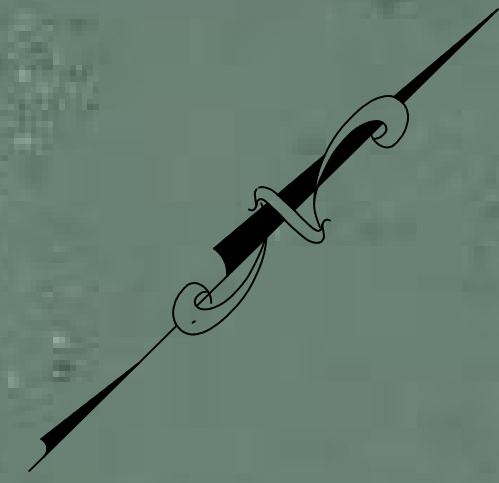
WATER SYSTEM IMPROVEMENTS
WESTERN PULASKI COUNTY WATER DISTRICT
PULASKI COUNTY, KENTUCKY

FISHING CREEK CROSSING



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

DRAWN BY: JRC	DATE: FEB 2020	REVISED	SHEET
CHECKED BY: JLM	SCALE: 1" = 50'		1
CHECKED BY: DSB	PROJECT: 2001		



CONTRACTOR SHALL INSTALL "STOP HERE ON RED" SIGN AS DIRECTED BY ENGINEER AND AS SHOWN ON MOT-1

STOP
HERE ON
RED

STA. 24+20
CONNECT NEW 12-INCH WATER LINE TO EXISTING 8-INCH WATER LINE WITH 12-INCHx8-INCH REDUCER AND 8-INCHx8-INCH TAPPING SLEEVE AND VALVE.

STA. 20+00
END 12-INCH FLEX RESTRAINED JOINT DUCTILE IRON PIPE ON BRIDGE AND BEGIN 12-INCH FLANGED DUCTILE IRON PIPE AND 12-INCH DUCTILE IRON CL 350 WATER LINE.

12-INCH DUCTILE IRON CL 350 WATER LINE

12-INCH DUCTILE IRON FLEX RESTRAINED JOINT WATER LINE

SEE DETAIL OF 12-INCH WATER LINE FOR BRIDGE CROSSING PIPE AND TRANSITION FROM PIPE ON BRIDGE TO BURIED PIPE - PLAN SHEETS BC-1 AND BC-2.

WHEN NECESSARY TO BLOCK ONE (1) TRAVELED-LANE OF THE STATE HIGHWAY, CONTRACTOR SHALL INSTALL TEMPORARY TRAFFIC SIGNAL AS DIRECTED BY ENGINEER

WHEN NECESSARY TO BLOCK ONE (1) TRAVELED-LANE OF A STATE HIGHWAY, THE NORMAL WORKING HOURS SHALL BE AS DIRECTED BY THE KENTUCKY TRANSPORTATION CABINET (KYTC). NO LANES SHALL BE BLOCKED OR OBSTRUCTED DURING ADVERSE WEATHER CONDITIONS (RAIN, SNOT, FOG, ETC.) WITHOUT SPECIFIC PERMISSION FROM THE KYTC. WORKING HOURS SHALL BE BETWEEN 8:30 AM AND 4:00 PM. SEE MOT-1 FOR LANE CLOSURE DETAILS AND NOTES.

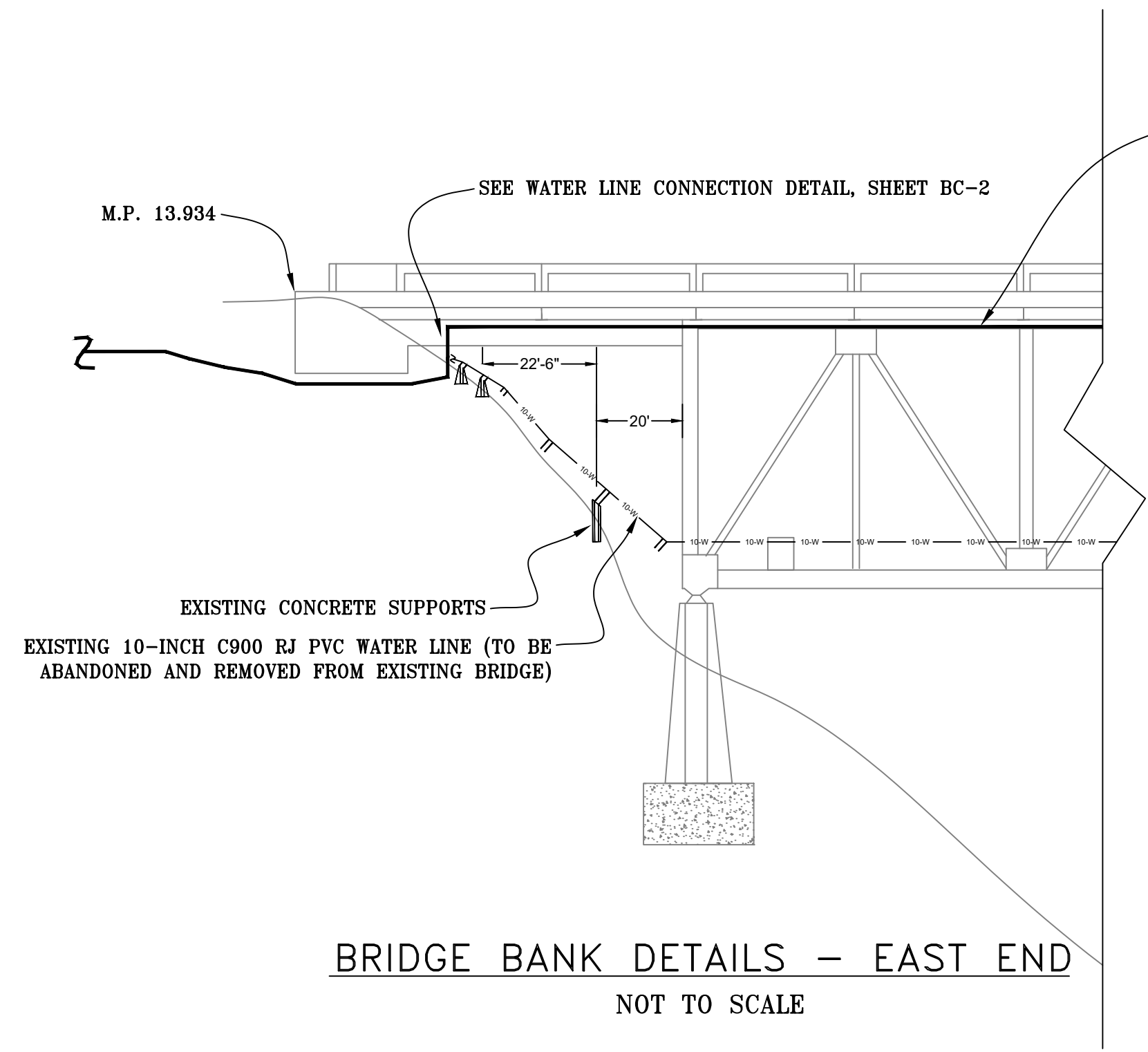
WATER SYSTEM IMPROVEMENTS
WESTERN PULASKI COUNTY WATER DISTRICT
PULASKI COUNTY, KENTUCKY

FISHING CREEK CROSSING

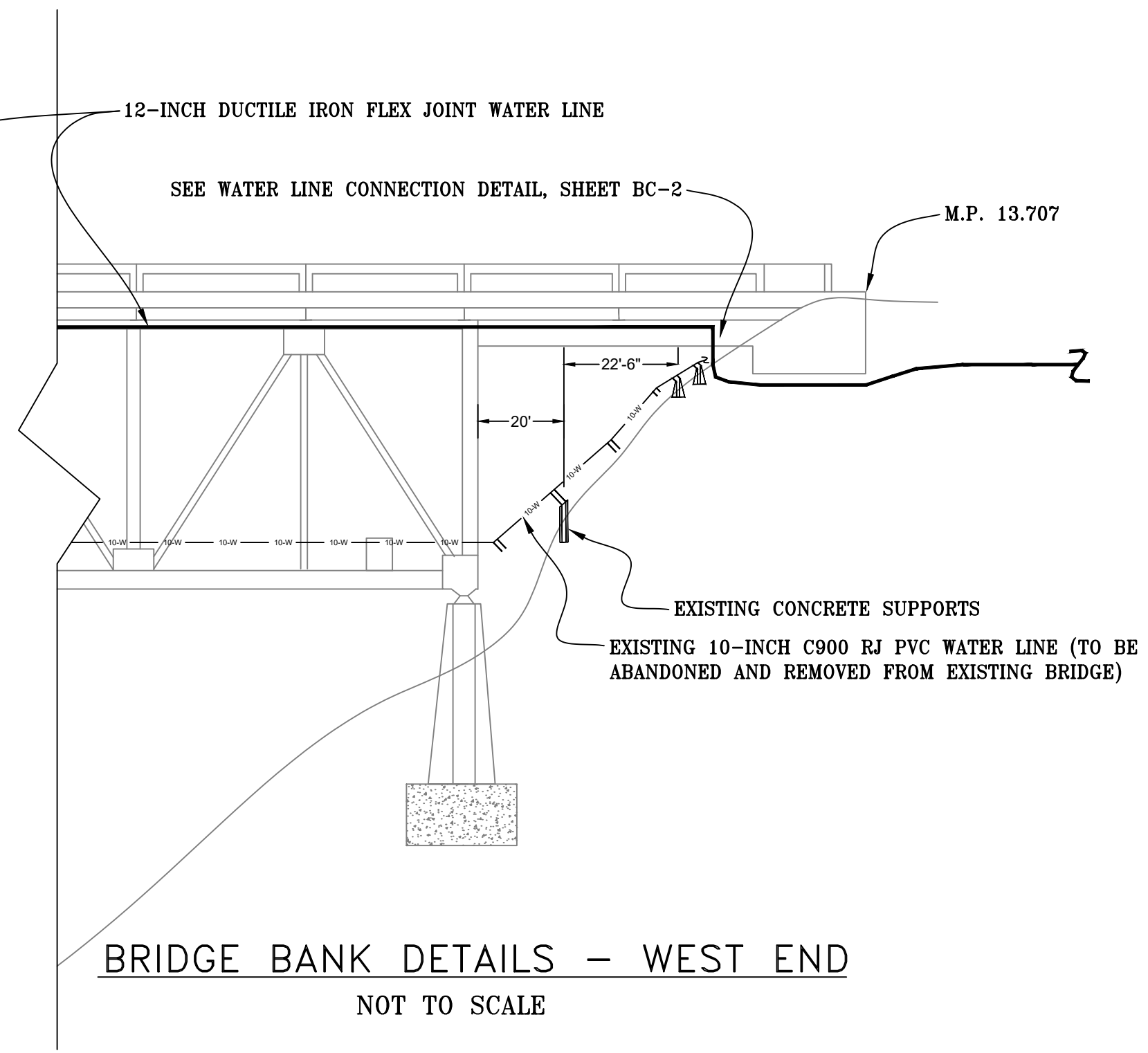


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556 CARLTON DRIVE
LAWRENCEBURG, KY 40342

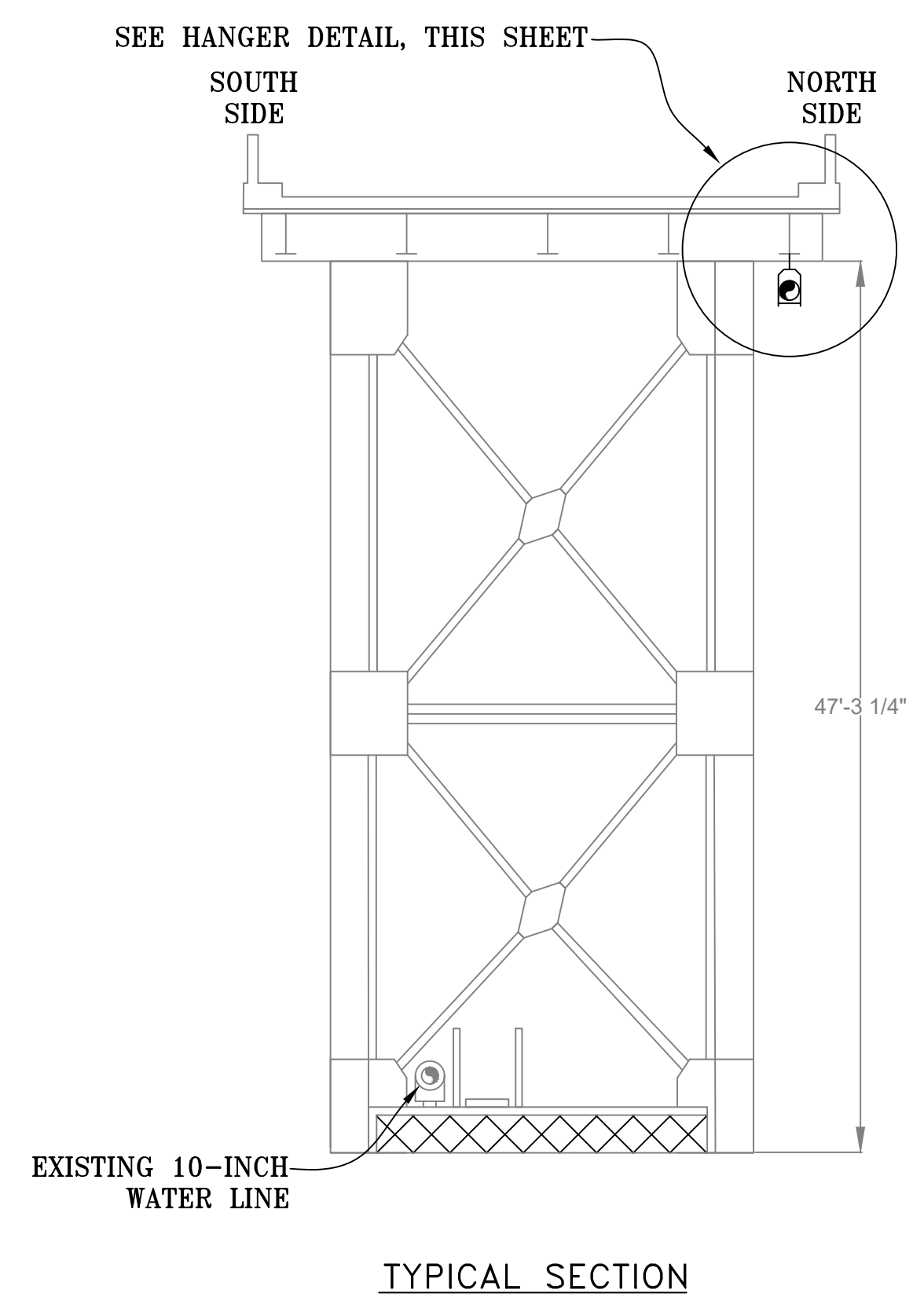
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CHECKED BY: JLM	SCALE: 1" = 50'		2
CHECKED BY: DSB	PROJECT: 2001		



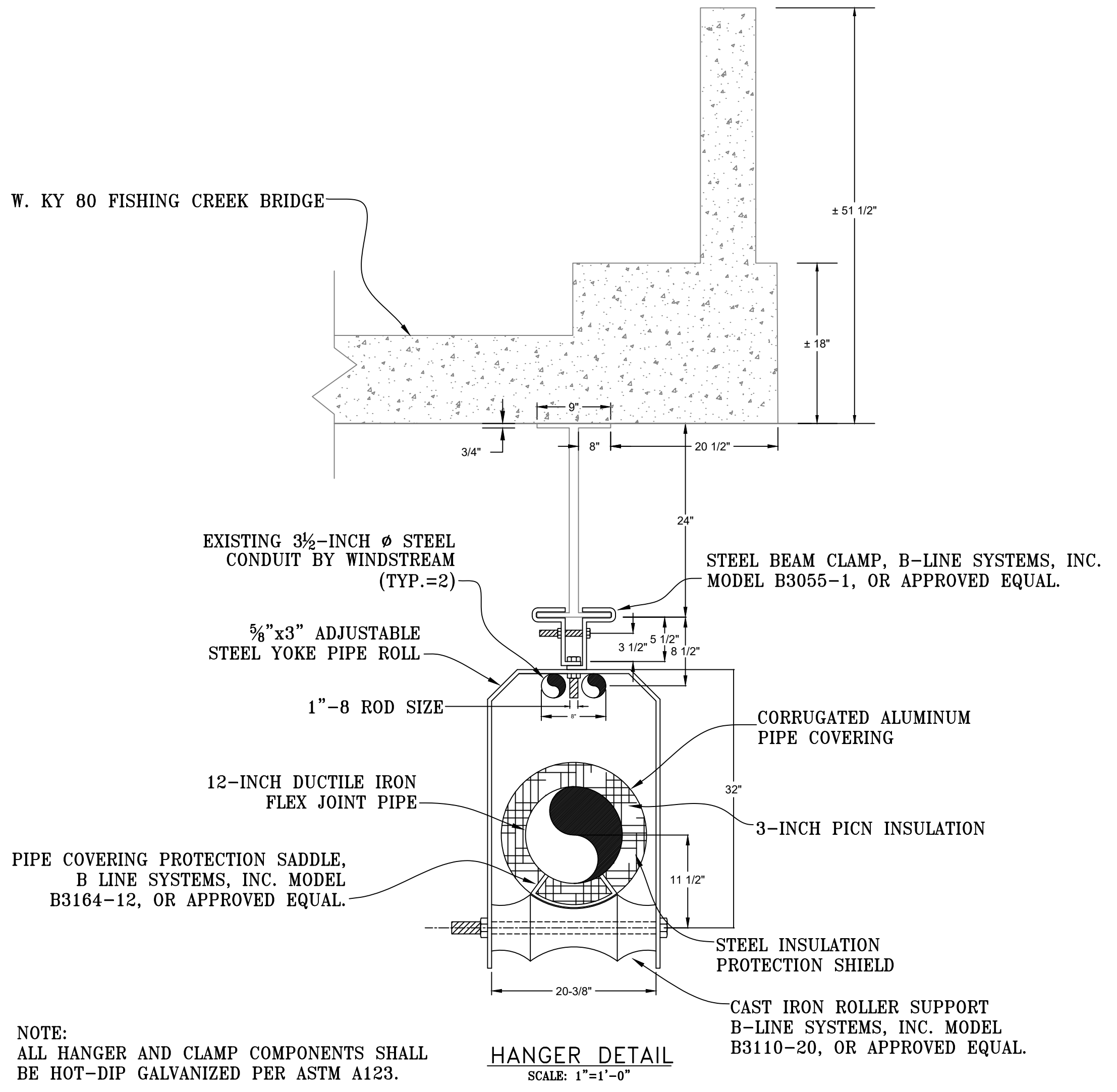
BRIDGE BANK DETAILS - EAST END
NOT TO SCALE



BRIDGE BANK DETAILS - WEST END
NOT TO SCALE

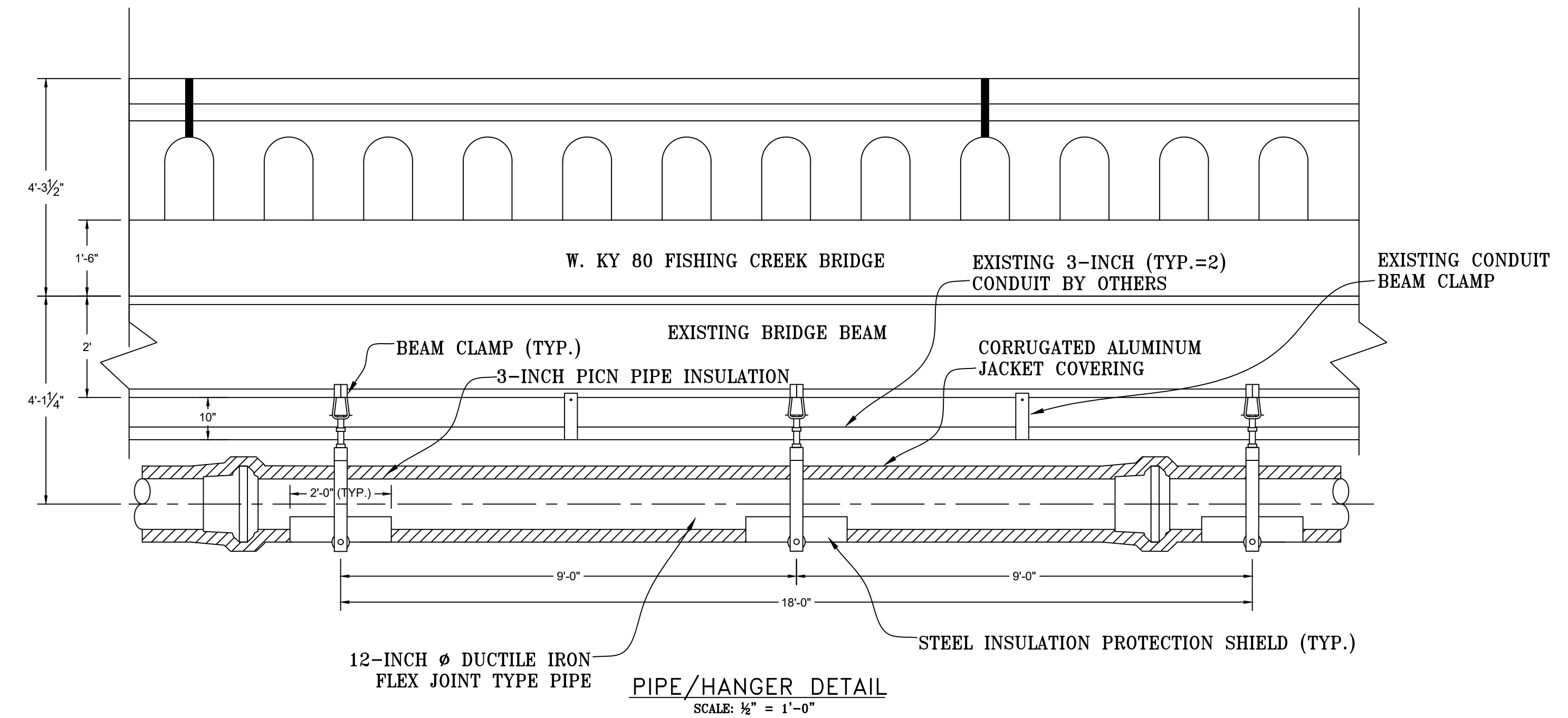


TYPICAL SECTION



HANGER DETAIL
SCALE: 1" = 1'-0"

NOTE:
ALL HANGER AND CLAMP COMPONENTS SHALL BE HOT-DIP GALVANIZED PER ASTM A123.



PIPE/HANGER DETAIL
SCALE: 1/2" = 1'-0"

- NOTES:
1. THE PLANS AND DETAILS SHOWN ON THIS SHEET ARE FOR THE FISHING CREEK BRIDGE CROSSING NEAR THE LEES FORD MARINA DOCK ROAD.
 2. PIPE HANGERS SHALL BE INSTALLED AT 9'-0" INTERVALS, OR AS DIRECTED BY THE ENGINEER.
 3. EXPOSED PIPING SHALL BE INSULATED WITH PRE-FORMED FOAMGLASS INSULATION AND SHALL BE FOAMGLASS AS MANUFACTURED BY PITTSBURGH CORNING CORPORATION, PITTSBURGH, PA, OR APPROVED EQUAL.
 4. EXPOSED PIPE INSULATION SHALL BE PROTECTED CONTINUOUSLY WITH AN ALUMINUM JACKETING AND SHALL BE SUREFIT AS MANUFACTURED BY PABCO SUREFIT ALUMINUM PRODUCTS, HOUSTON, TX, OR APPROVED EQUAL.
 5. NO WELDING, CUTTING OR DRILLING WILL BE ALLOWED TO THE EXISTING BRIDGE COMPONENTS.
 6. SHOULD A PORTION OR SECTION OF THE EXISTING 10-INCH PIPE FALL INTO THE LAKE FROM THE BRIDGE DURING THE REMOVAL PROCESS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR RETRIEVING THAT PORTION OR SECTION OF PIPE.

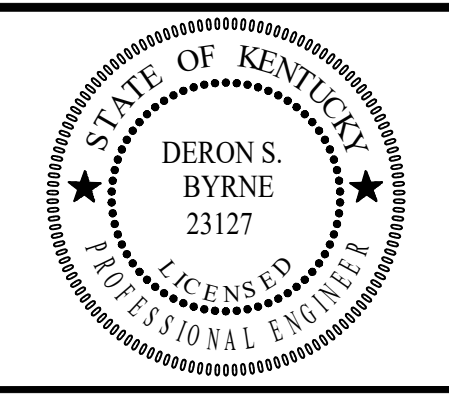
Monarch Engineering, Inc.
556 CARLTON DRIVE
LAWRENCEBURG, KY 40342

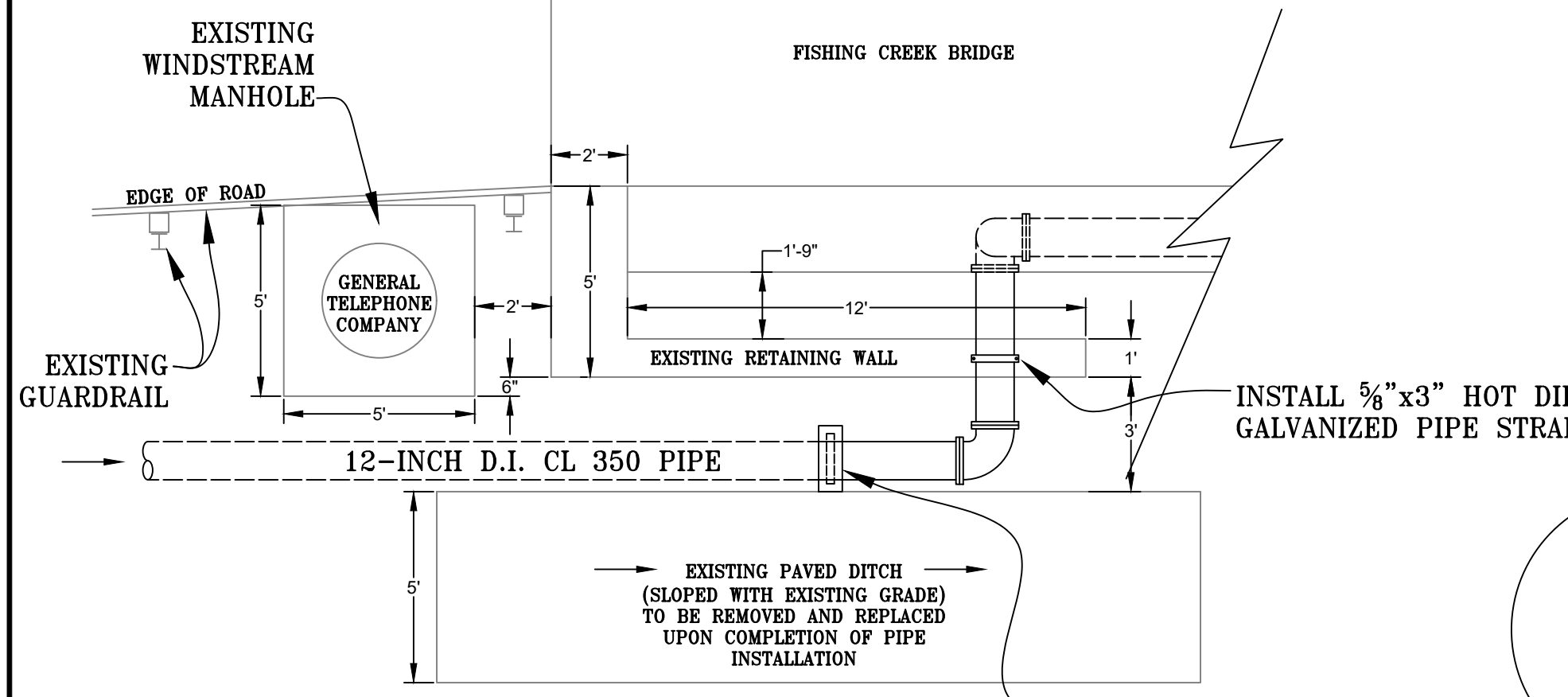
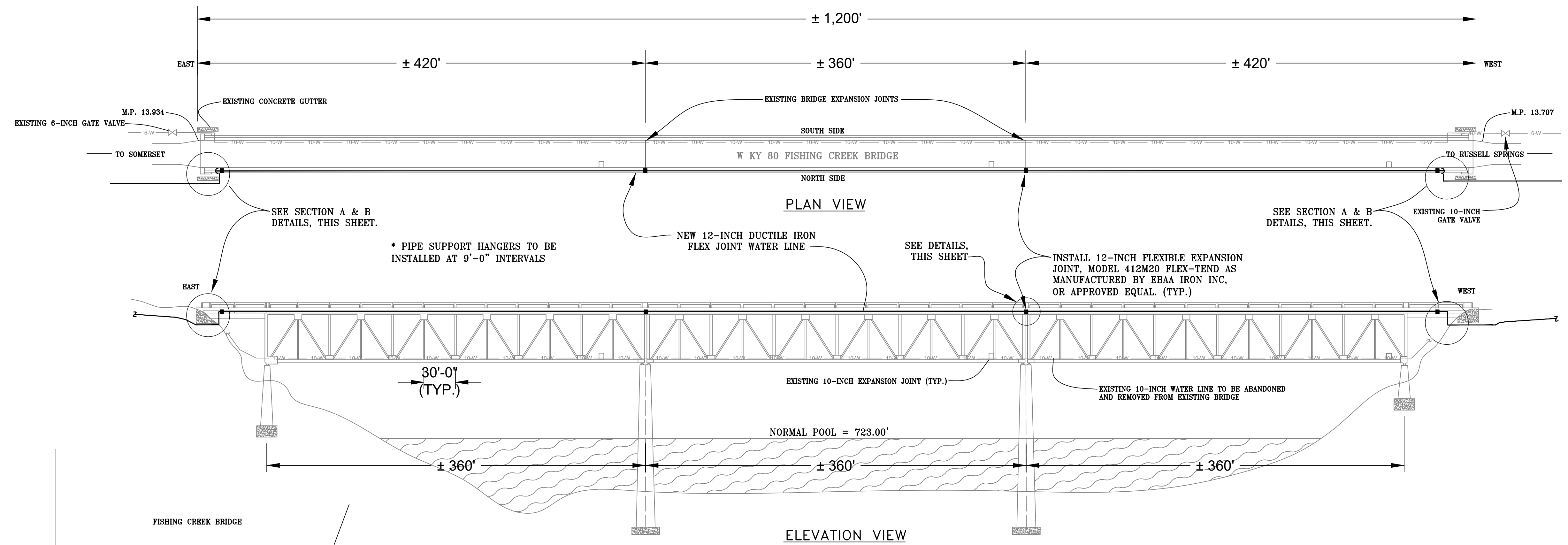
DESCRIPTION:
**FISHING CREEK
BRIDGE CROSSING REPLACEMENT**

CUSTOMER:
**WESTERN PULASKI COUNTY WATER DISTRICT
PULASKI COUNTY, KENTUCKY**

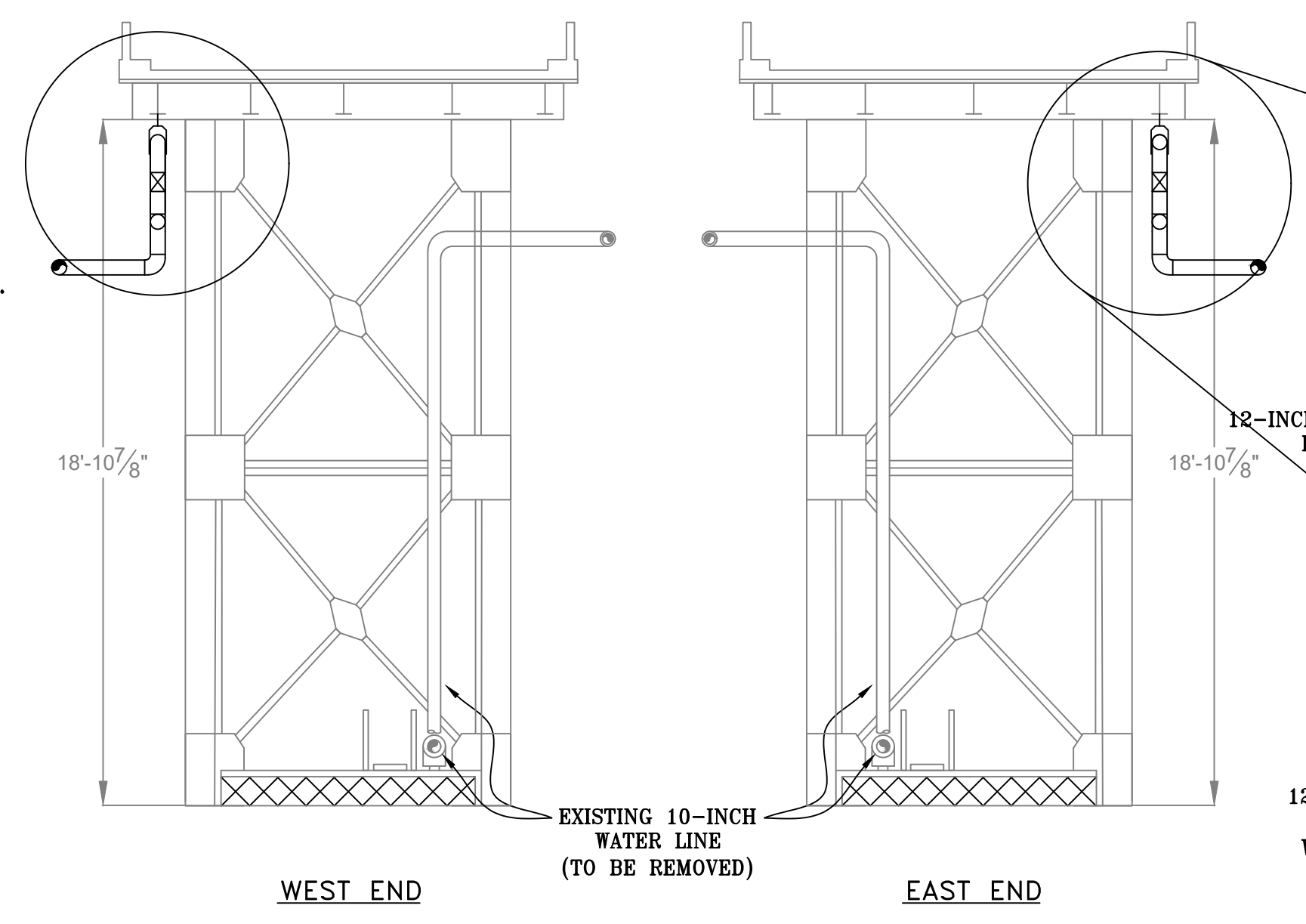
PROJECT NO. 2001
DATE: FEB 2020
DRAWN BY: JRC
CHECKED BY: DSB
CHECKED BY: DM B
SCALE: AS NOTED

SHEET:
BC-1

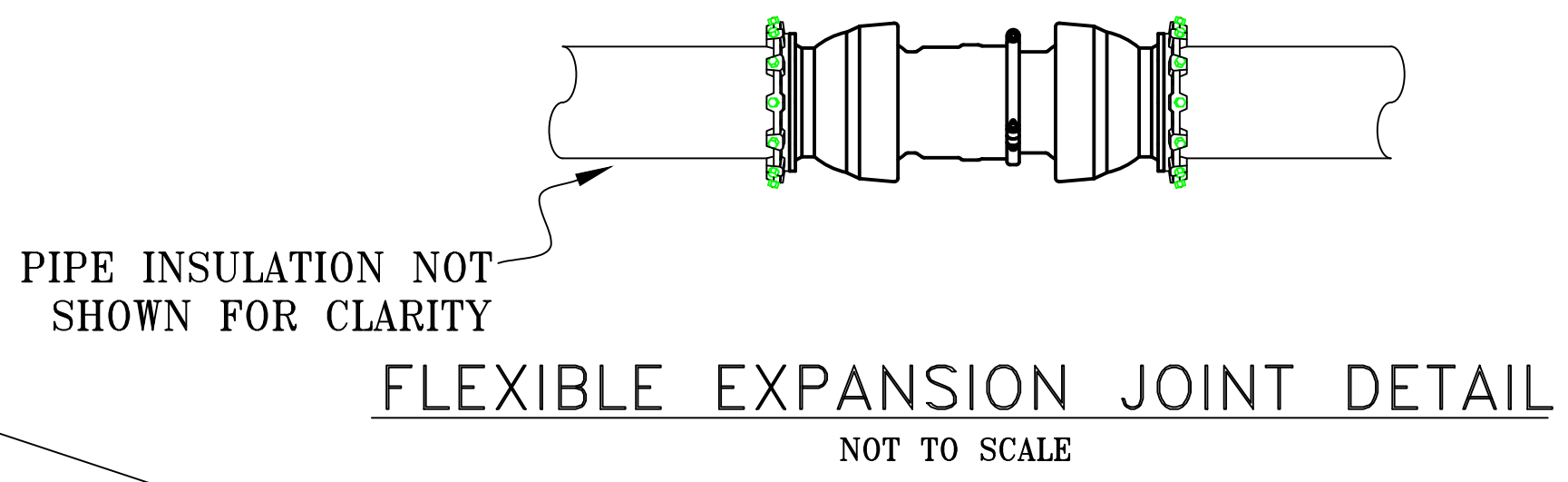




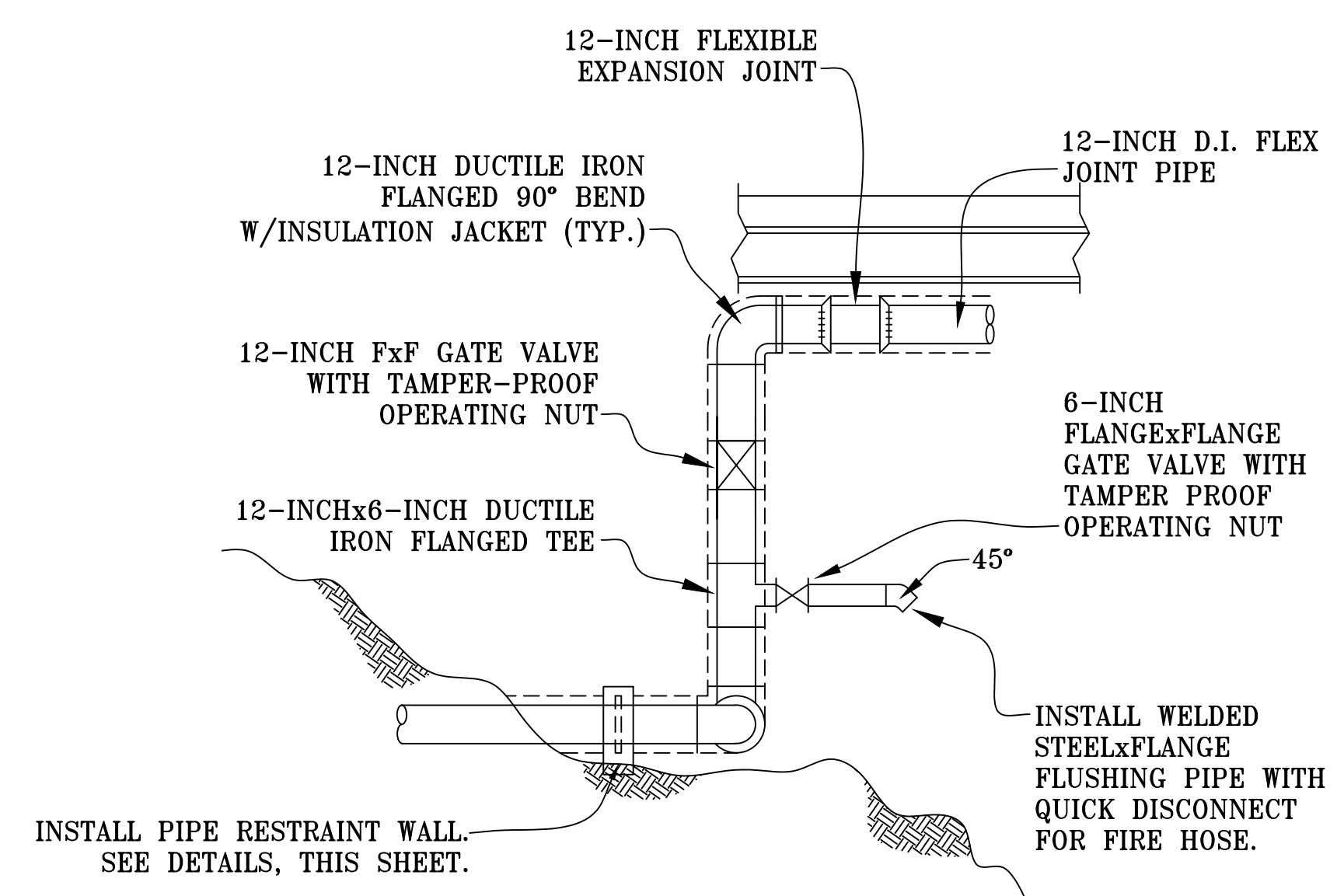
SECTION B DETAILS
SCALE: 1/4" = 1'-0"



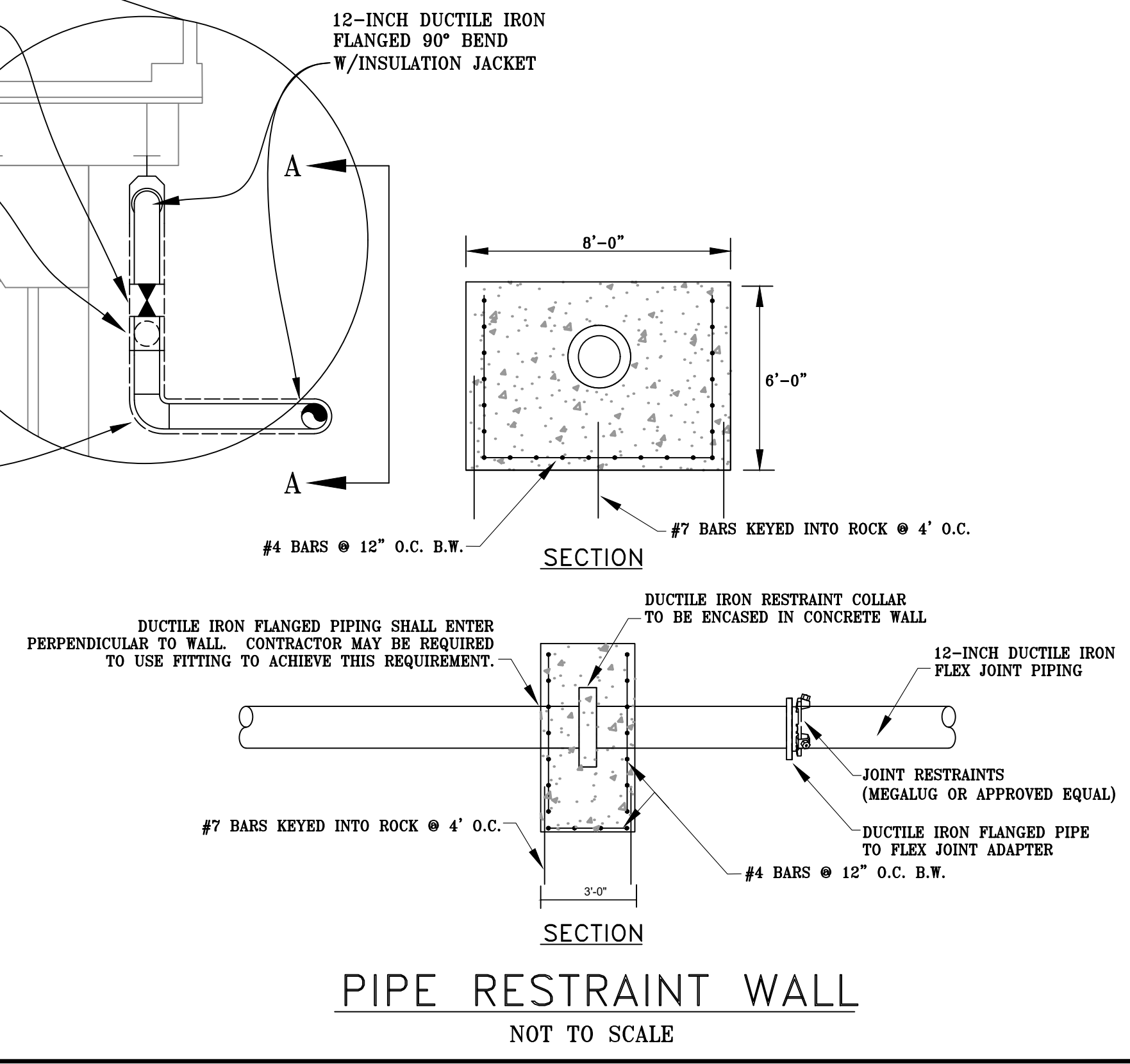
WATER LINE TRANSITION DETAILS
NOT TO SCALE



FLEXIBLE EXPANSION JOINT DETAIL
NOT TO SCALE



SECTION A DETAILS
NOT TO SCALE



PIPE RESTRAINT WALL
NOT TO SCALE

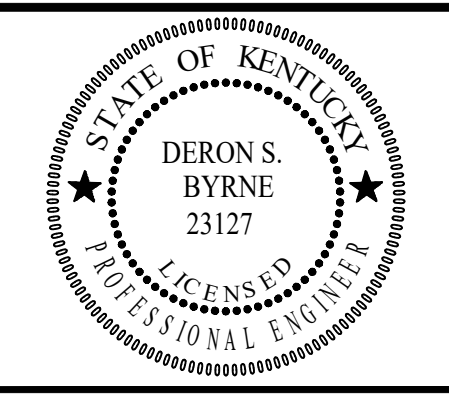
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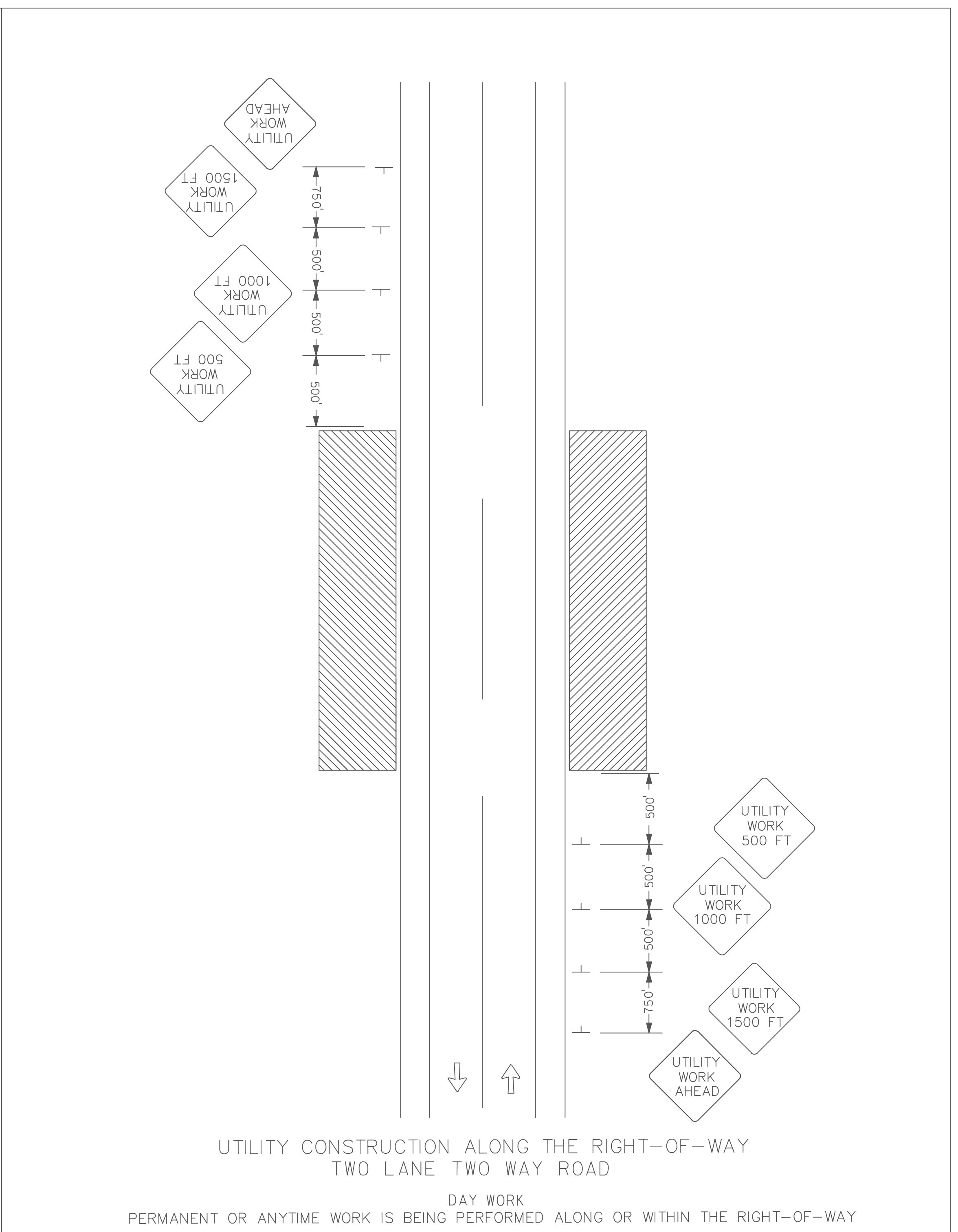
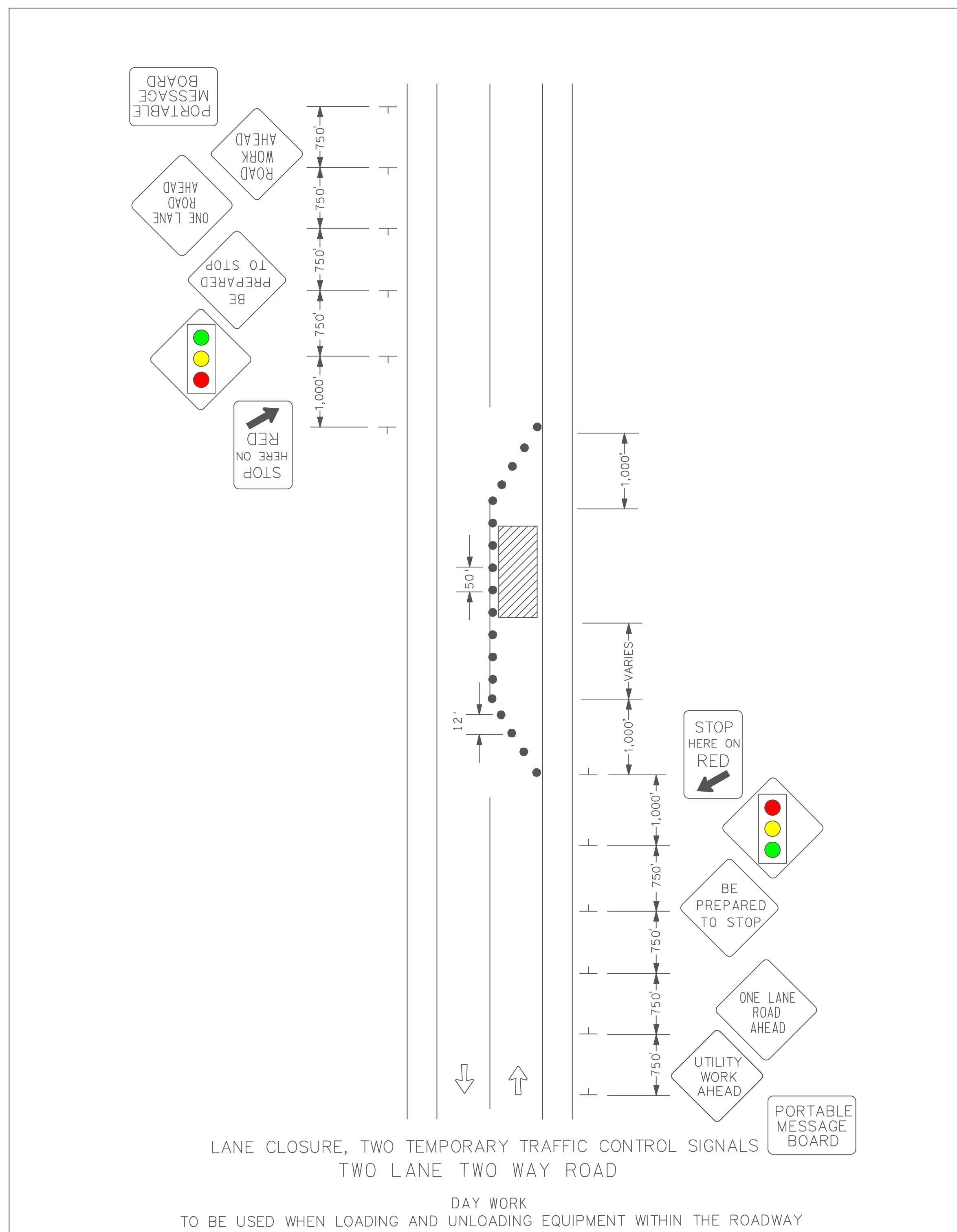
DESCRIPTION:
FISHING CREEK
BRIDGE CROSSING REPLACEMENT

CUSTOMER:
WESTERN PULASKI COUNTY WATER DISTRICT
PULASKI COUNTY, KENTUCKY

PROJECT NO. 2001
DATE: FEB 2020
DRAWN BY: JRC
CHECKED BY: DSB
CHECKED BY: DMB
SCALE: AS NOTED

SHEET:
BC-2





NOTES & GUIDELINES

GENERAL INFORMATION:

1. THE CONTRACTOR SHALL FURNISH, INSTALL AND MAINTAIN THE DEVICES IN THIS TRAFFIC CONTROL PLAN UNLESS OTHERWISE NOTED.
2. FIELD CONDITIONS MAY REQUIRE MODIFICATIONS OF THIS LAYOUT AS DEEMED NECESSARY BY THE ENGINEER.
3. ALL DISTANCES ARE APPROXIMATE.
4. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING ANY WORK AREAS NEAR TRAFFIC IN ACCORDANCE WITH KYDOT STANDARDS
5. THE CONTRACTOR SHALL CONFORM TO THE GENERAL REQUIREMENTS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD 2009)

SIGNING:

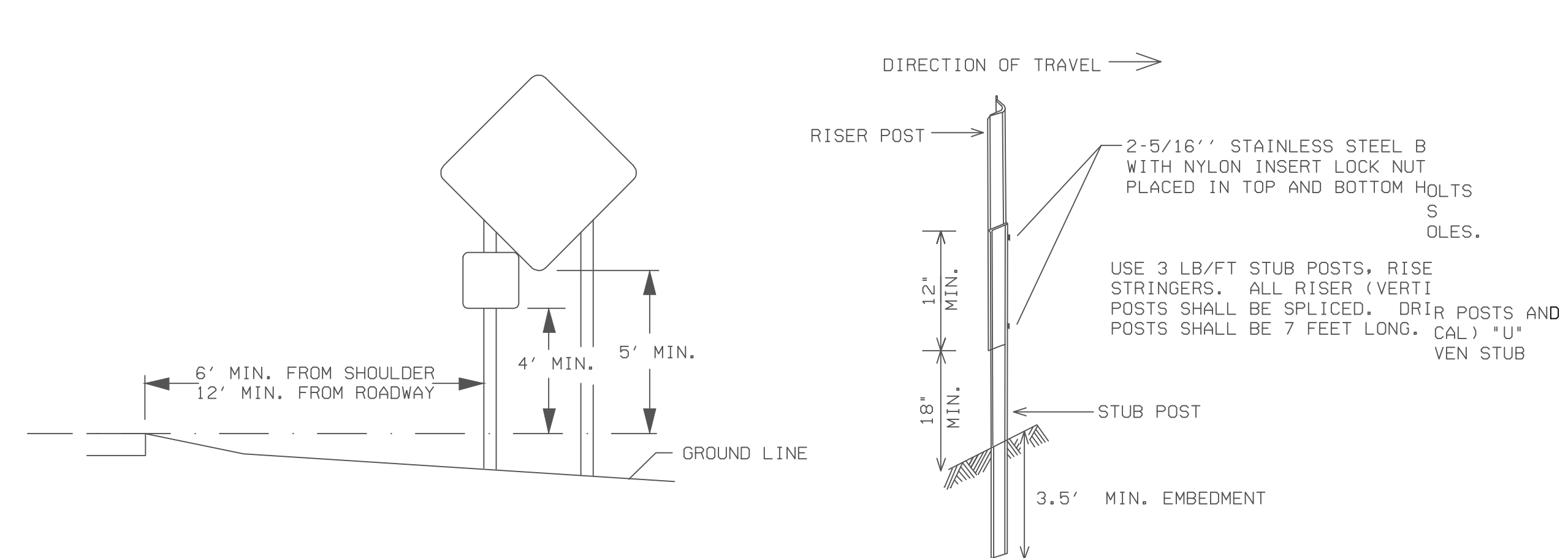
1. ALL TRAFFIC CONTROL DEVICES, INCLUDING OVERHEAD SIGNS ON ROADS OPEN TO TRAFFIC THAT ARE NOT CONSISTANT WITH TRAFFIC OPERATION SHALL BE COVERED, REMOVED OR REVISED AS DIRECTED BY THE ENGINEER.
2. WHEN SIGNS ARE INSTALLED, THEY SHALL BE MOUNTED ON POSTS DRIVEN INTO THE GROUND AT THE PROPER HEIGHT AND LATERAL OFFSET AS DETAILED BY THE KYDOT. IF THIS IS NOT POSSIBLE THEY WILL BE MOUNTED ON PORTABLE SUPPORTS AS APPROVED BY THE ENGINEER. WHEN THE SIGNS ARE REMOVED THE SIGN POSTS SHALL ALSO BE REMOVED AS SOON AS POSSIBLE.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY EXTRA SIGNING NEEDED TO FACILITATE TRAFFIC SWITCHES OR FOR TRANSITIONING TRAFFIC FROM ONE STAGE TO ANOTHER.
4. ALL ORANGE WARNING AND ORANGE GUIDE SIGNS SHALL BE FABRICATED WITH SIGN SHEETING MATERIAL AS LISTED ON THE KYDOT APPROVED PRODUCT LIST FOR "SHEETING FOR RIGID TEMPORARY WORK ZONE SIGNS".
5. THE CONTRACTOR SHALL COORDINATE THE INSTALLATION OF THE FINAL SIGNS TO ASSURE THAT THE FINAL SIGNS ARE INSTALLED AS NEEDED, OR PROVIDE TEMPORARY SIGNING AT THEIR EXPENSE UNTIL THE FINAL SIGNING IS INSTALLED.

TRAFFIC CONTROL DEVICES & SYMBOLS LEGEND

SYMBOL	DESCRIPTION
	AREA CLOSED TO TRAFFIC / WORK AREA
	TRAFFIC CONTROL SIGN
	DRUM-LIKE CHANNELIZER =
	FLAGGER LOCATION
	TRAFFIC CONTROL SIGNAL SIGN

SIGN	COLOR	SIZE
	BLACK ON ORANGE	48" x 48"
	BLACK ON ORANGE	48" x 48"
	BLACK ON ORANGE	48" x 48"
	BLACK ON ORANGE	48" x 48"
	BLACK ON ORANGE	48" x 48"
	BLACK ON ORANGE	48" x 48"
	BLACK ON ORANGE	48" x 48"
	BLACK ON WHITE	24" x 18"

SIGN CONSTRUCTION DETAILS



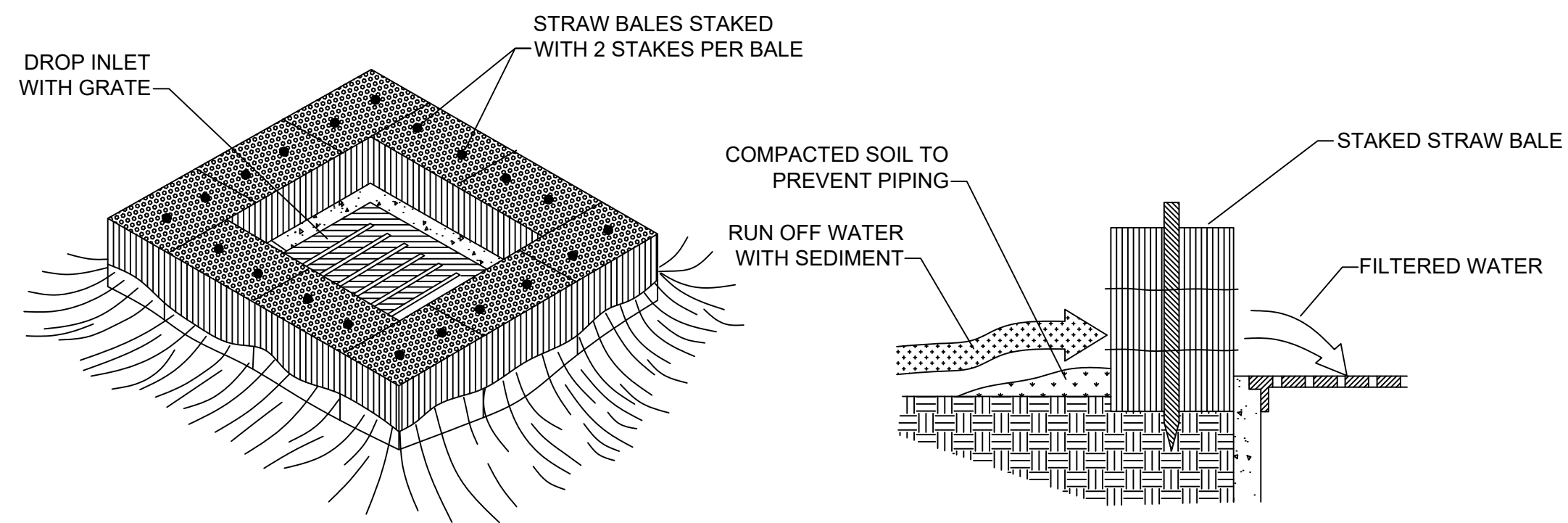
Monarch Engineering, Inc.
556 CARLTON DRIVE
LAWRENCEBURG, KY 40342

DESCRIPTION: MAINTENANCE OF TRAFFIC PLAN

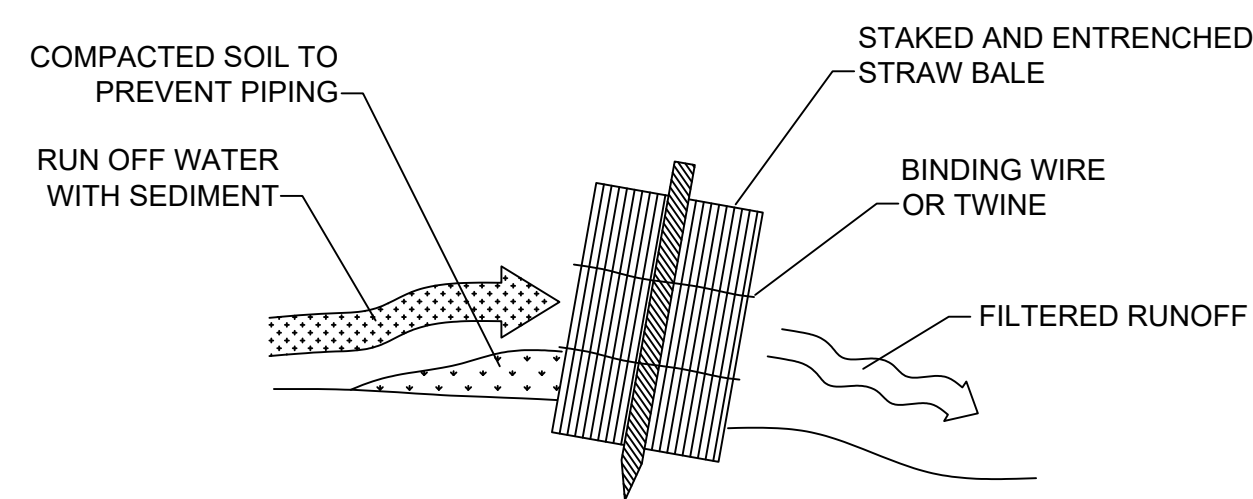
CUSTOMER: WESTERN PULASKI COUNTY WATER DISTRICT
PULASKI COUNTY, KENTUCKY

PROJECT NO. 2001
DATE: FEB 2020
DRAWN BY: JRC
CHECKED BY: DSB
CHECKED BY: DMB
SCALE: 1/8" = 1'-0"

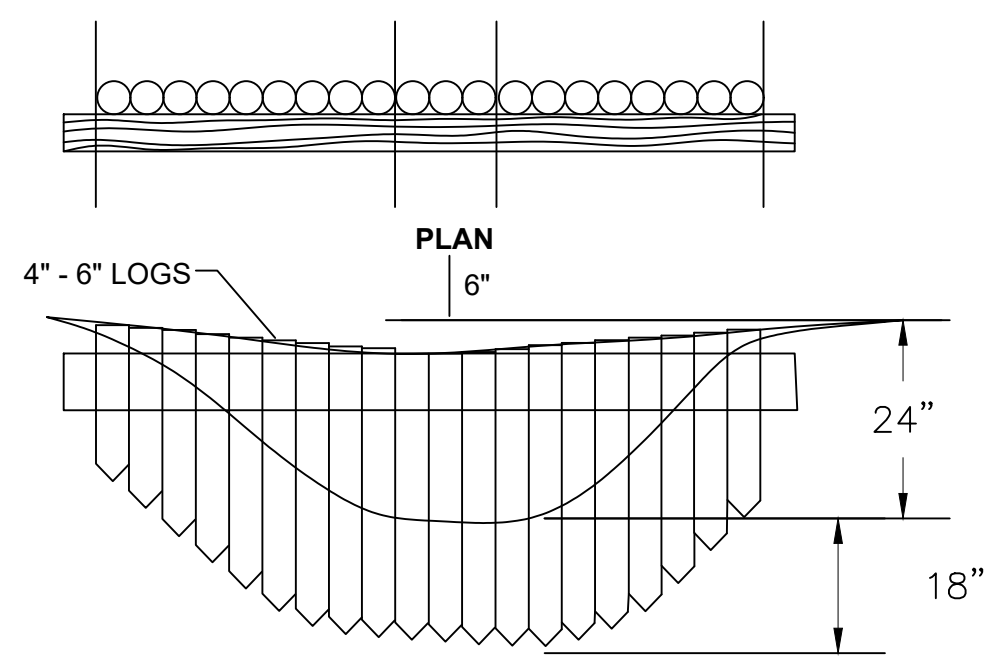
SHEET:
MOT-1



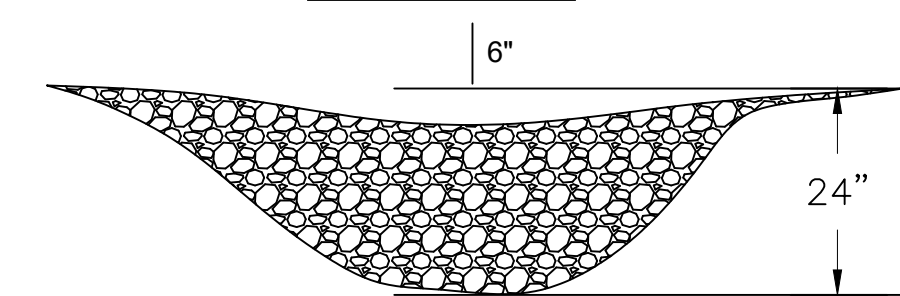
STRAW BALE DROP INLET SEDIMENT FILTER
N.T.S.



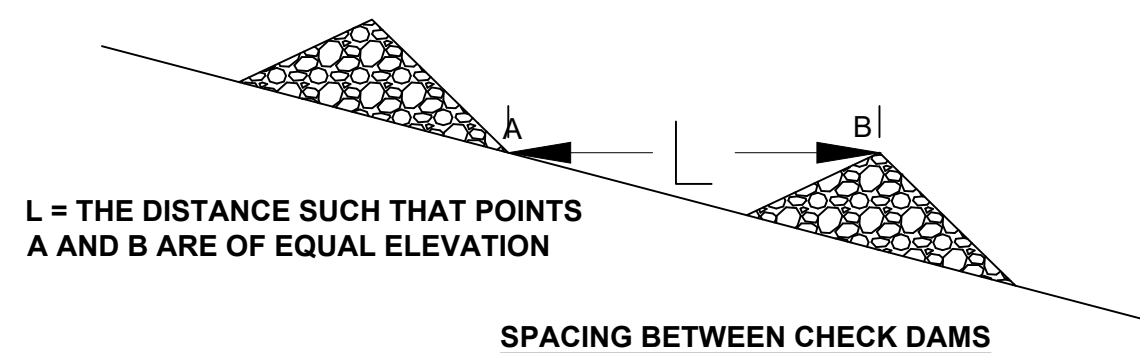
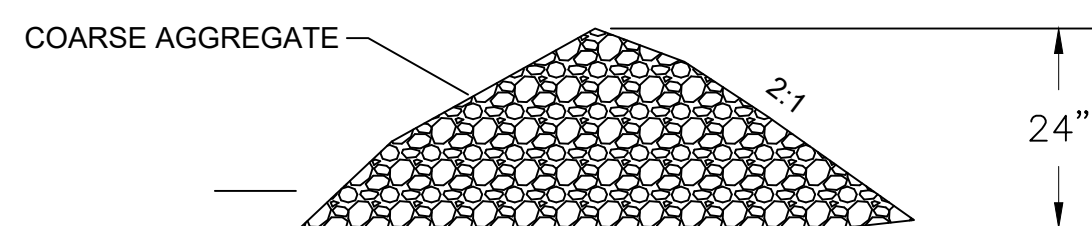
STRAW BALE INSTALLATION PROCEDURES
N.T.S.



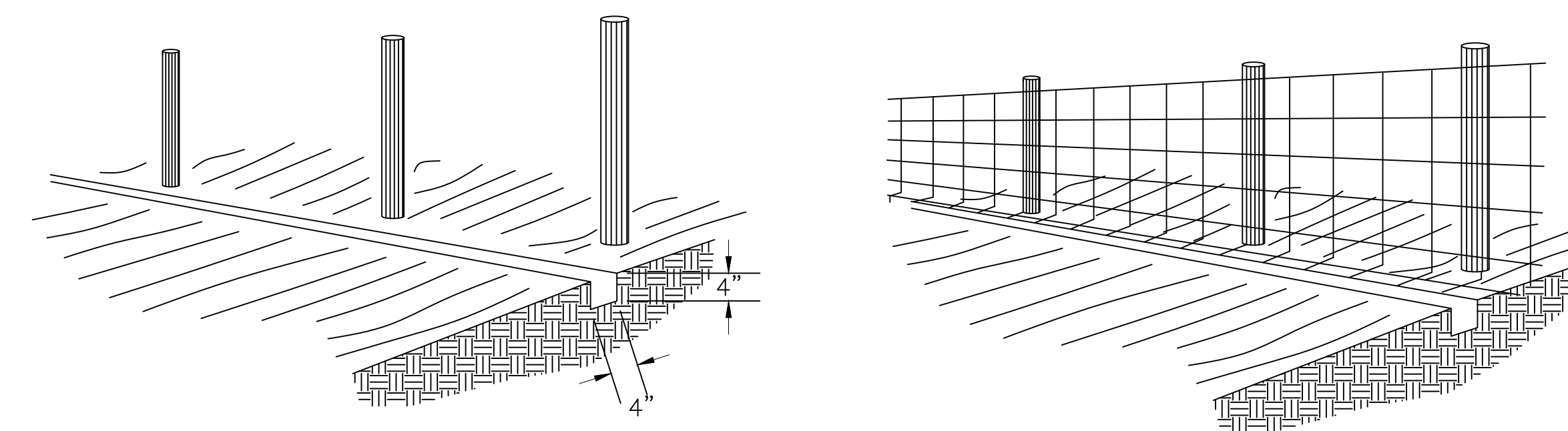
LOG CHECK DAMS



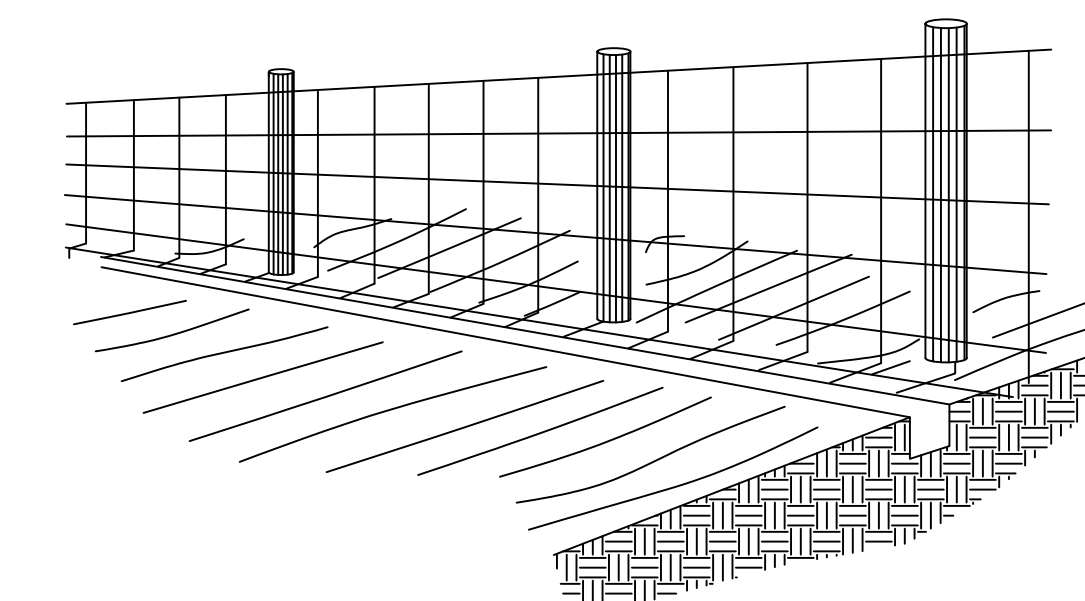
ROCK CHECK DAMS



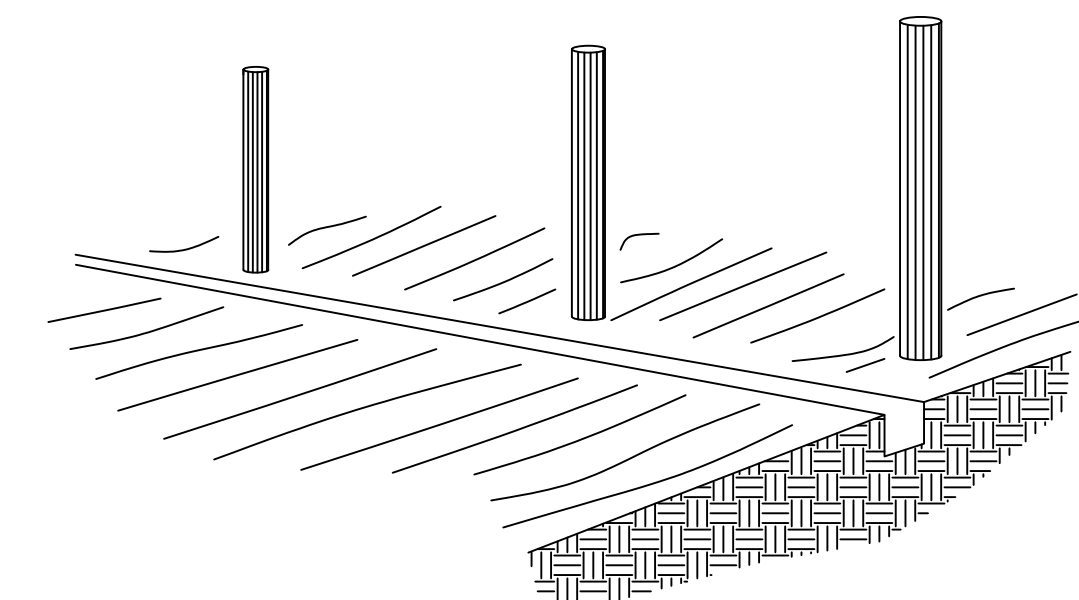
CHECK DAM DETAILS
N.T.S.



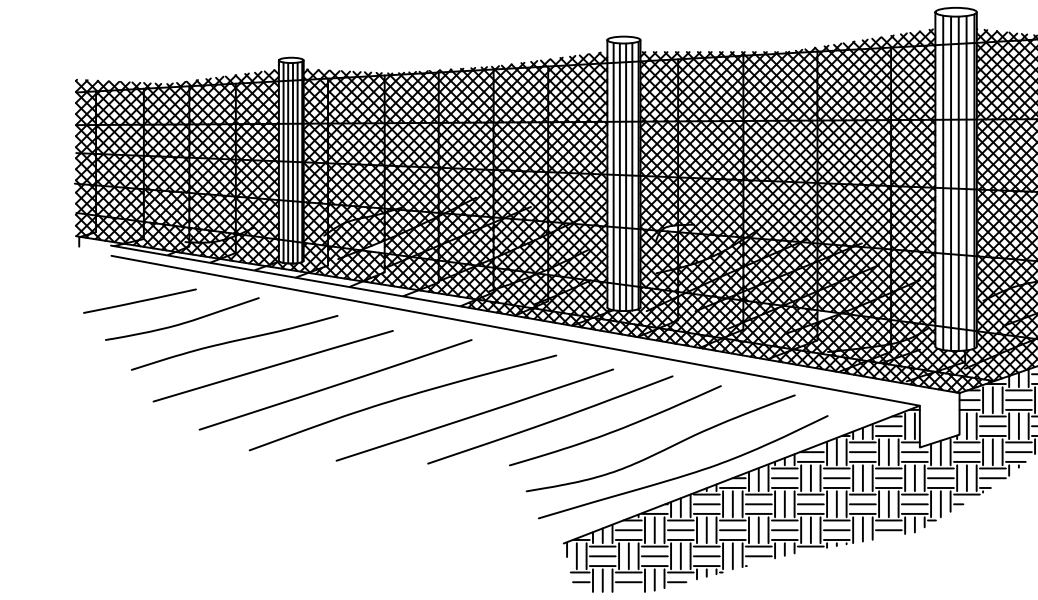
1. SET POSTS AND EXCAVATE A 4" x 4" TRENCH UPSLOPE ALONG THE LINE OF POSTS



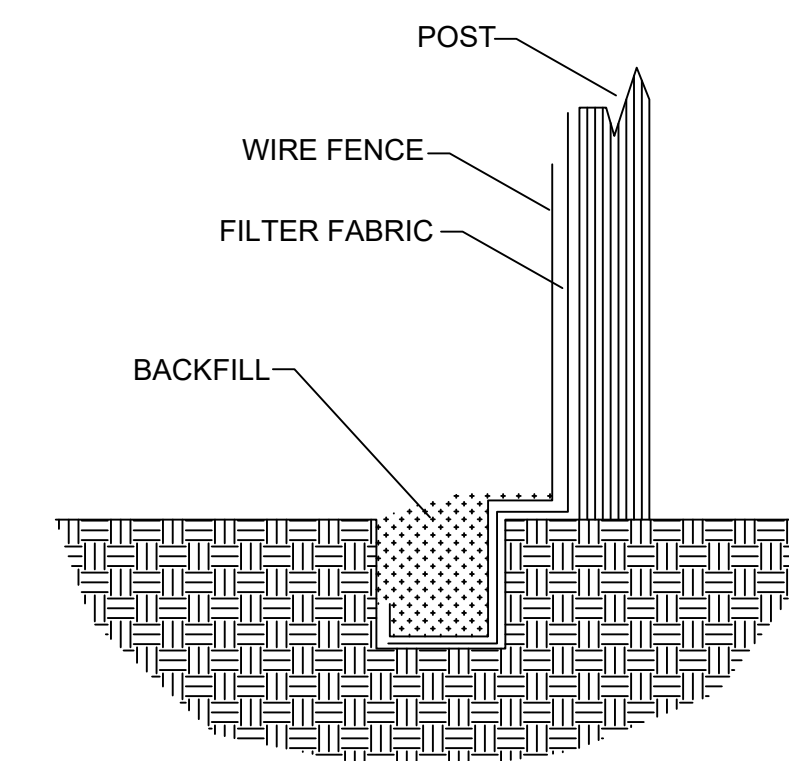
2. STAPLE WIRE FENCING TO POSTS



3. ATTACH THE FILTER FABRIC TO THE WIRE FENCE AND EXTEND IT INTO THE TRENCH

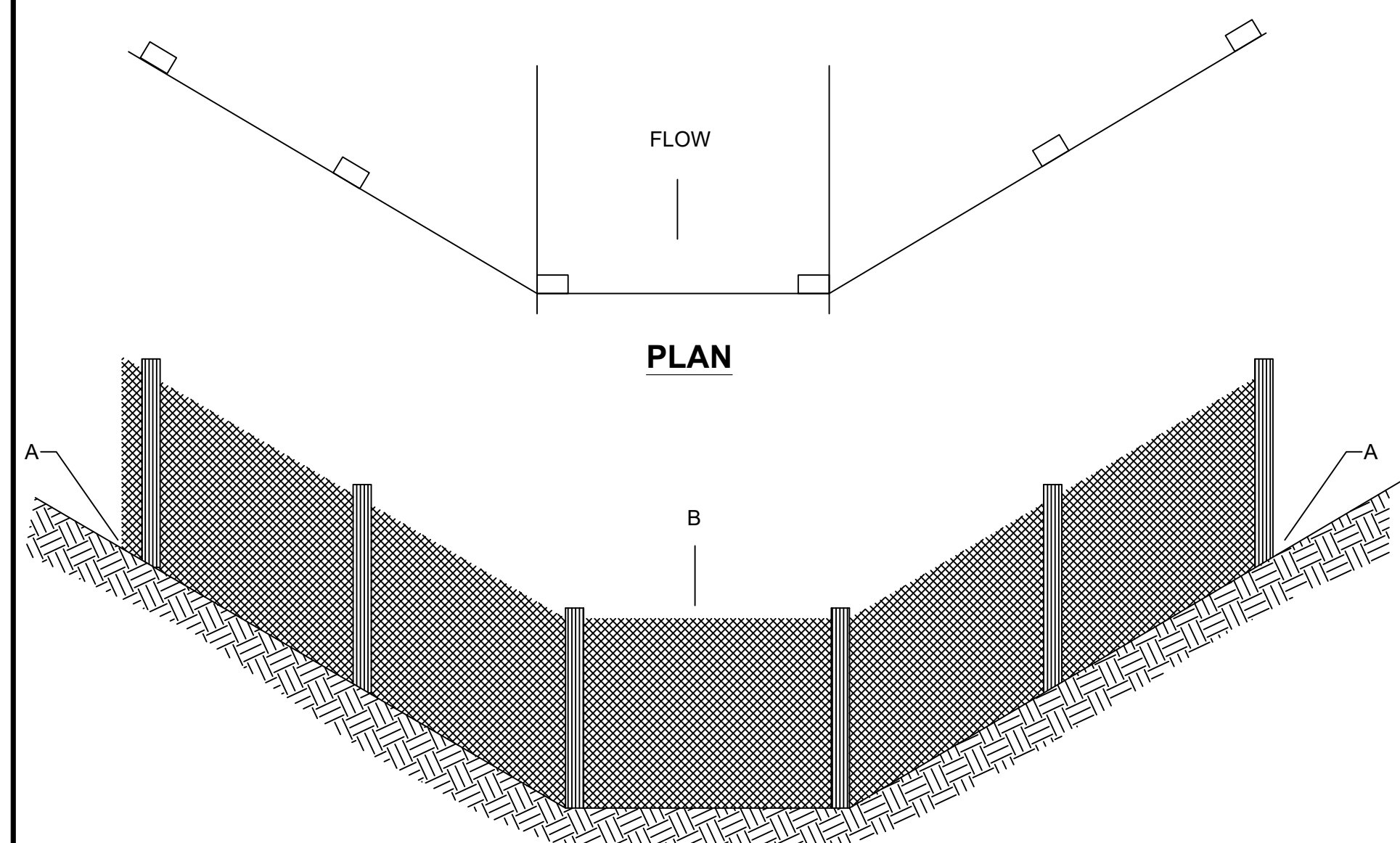


4. BACKFILL AND COMPACT THE EXCAVATED SOIL



EXTENSION OF FABRIC AND WIRE INTO THE TRENCH

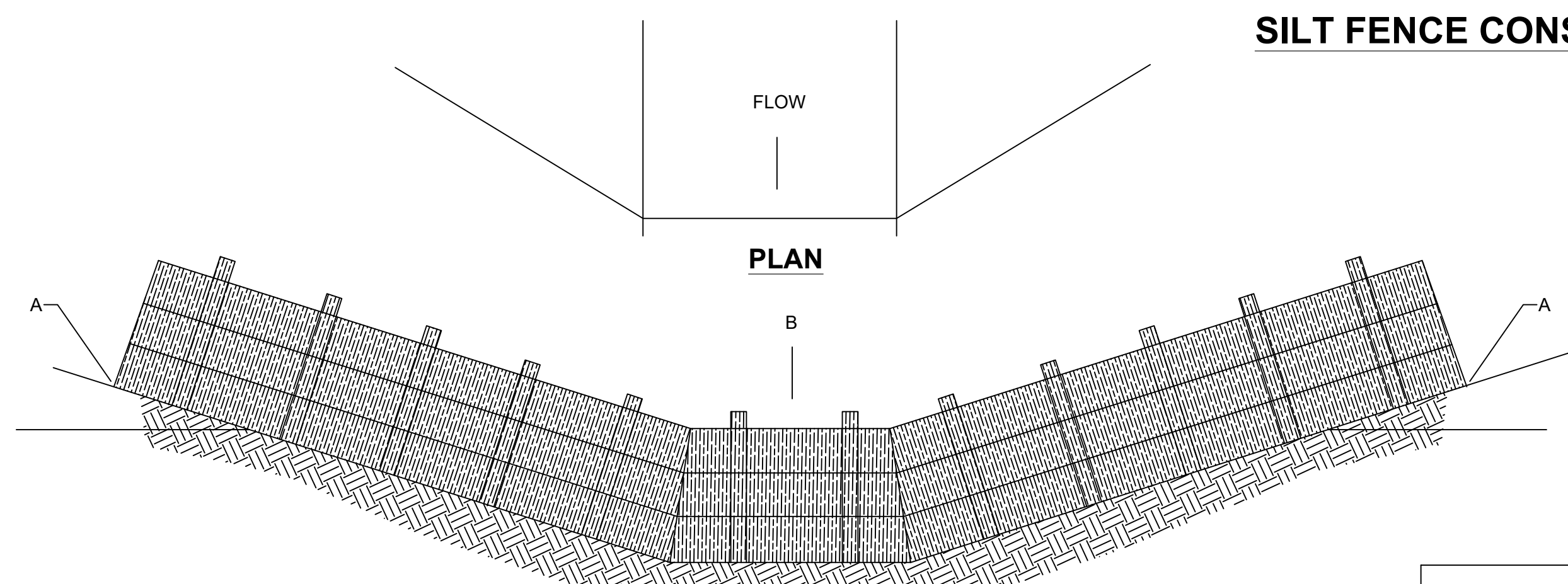
SILT FENCE CONSTRUCTION PROCEDURES
N.T.S.



ELEVATION

POINT A SHOULD BE HIGHER THAN POINT B

PLACEMENT OF FILTER BARRIER
N.T.S.



ELEVATION

POINT A SHOULD BE HIGHER THAN POINT B

PLACEMENT OF STRAW BALE BARRIER
N.T.S.

EROSION CONTROL DETAILS
N.T.S.

The Contractor shall do all work and take all measures necessary to control soil erosion resulting from construction operations, and shall prevent the flow of sediment from the construction site, and shall contain construction materials (including excavation and backfill) within their protected working area so as to prevent damage to the adjacent wetlands and water courses. The Contractor shall use any of the acceptable methods necessary to control soil erosion and prevent the flow of sediment to the maximum extent possible. These methods shall include, but not be limited to, the use of water diversion structures, diversion ditches, and settling basins.

EROSION CONTROL DETAILS

DESCRIPTION:

CUSTOMER:

WESTERN PULASKI COUNTY WATER DISTRICT
PULASKI COUNTY, KENTUCKY

PROJECT NO. 2001

DATE: FEB 2020

DRAWN BY: JRC

CHECKED BY: DSB

CHECKED BY: DMB

SCALE: AS NOTED

SHEET:

EC-1

