

INVITATION FOR BIDS

Sealed and endorsed bids addressed to the City of Clarksville, 1 Public Square, Suite 301, Clarksville, TN, 37040 for the RED RIVER BRIDGE REHAB will be received until 2:30 pm, C.S.T., Wednesday, September 13, 2017, at the City of Clarksville, 1 Public Square, Suite 301, Clarksville, TN 37040, at which time and place they will be publicly opened and read aloud.

The RED RIVER BRIDGE REHAB entails the inspection/recoating of approximately 400 feet of 12" steel gas pipeline along SR-374 at Red River. The work must be completed promptly and in a workman like manner without undue delay. The work shall require the Contractor to supply all labor, materials, tools and other appurtenances required to complete the assigned work.

The Plans, Specifications, Bond Documents and other contract documents may be examined at: General Managers Office of the City of Clarksville Gas and Water Department, 2215 Madison Street, Clarksville, TN, 37043, The Tennergy Corporation, 250 N. Highland Ave, Jackson, TN 38301.

Copies may be obtained upon a \$50.00 nonrefundable payment for each set. Checks should be made payable to The Tennergy Corporation, 250 N. Highland Ave, Jackson, TN 38301. A Certified Check or Bid Bond shall accompany all bids in the amount not less than five percent (5%) of the bid. Attention of bidders is particularly called to the requirements as to conditions of employment to be observed and minimum wage rates to be paid under the contract. No bidder may withdraw his bid within 60 days after the actual date of the opening thereof.

All bids submitted by Contractor with five or more employees, shall be accompanied by a Contractor's Affidavit stating that said Contractor has a Drug-Free Workplace Program in compliance with The Tennessee Drug Free Workplace Act. Attached, you will find a Drug-Free Workplace Affidavit, a General Indemnity form and the City's Contractor's Safety Program. All must be filled out, signed and returned with your bid. Failure to do so will result in your bid being rejected. All other Contractors shall sign the statement that they are employing less than five employees. Therefore, the completed page DW-1 shall be included with all bids. In addition, each bidder must submit a signed Illegal Aliens form and Conflict of Interest form with each and every bid on all bids with the City of Clarksville at the time of that party's submission of the bid. In those cases where bids are opened by the City and the apparent low bidder and best for which the bid would be awarded has not done so, the City will notify that bidder that the signed Conflict of Interest form was not submitted, but that the submission of the form within two working days after the City's notification, oral or written of the failure to submit the form, will allow the City to further consider the bid in accordance with all other applicable rules and practices. The City will not be responsible for the bidder's loss of the bid opportunity if the bidder cannot be reached by the City's best effort for contact.

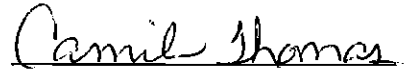
Pursuant to TCA §62-6-119, each contractor / bidder applying to bid for the prime contract and for any masonry contract where the total masonry portion of the construction project exceeds one hundred thousand dollars (\$100,000.00), materials and labor, electrical, plumbing, heating, ventilation, and air conditioning contracts, is required to place his / her bid in a sealed envelope showing the bidder's name, contractor license number, license expiration date, and license classification, and for electrical, plumbing, heating, ventilation and air conditioning contracts and for each vertical closed loop geothermal heating and cooling project, the company name, Tennessee Department of Environment and Conservation (TDEC) license number, classification, and the expiration date of same, on the outside of the envelope using the State Contractor Licensing Information Form (Section 00300), except when the bid is in an amount less than twenty-five thousand dollars (\$25,000.00). Only one (1) contractor in such classification may be listed. Prime contractor bidders who are to perform the masonry portion of the construction project which exceeds one hundred thousand dollars (\$100,000.00), materials and labor, the electrical, plumbing, heating, ventilation and air conditioning must be so designated upon the outside of the envelope. Bids not conforming to these legal requirements are void, shall not be opened or considered. Bids less than twenty-five thousand dollars (\$25,000.00) may contain only the name of the contractor on the outside of the envelope. Upon opening the envelope, if such bid is in excess of twenty-five thousand dollars (\$25,000.00), the same shall be automatically disqualified and shall not be considered. Pursuant to TCA §62-6-102 any masonry contractor, and roofing subcontractor where the total cost of the roofing portion of the construction project is twenty-five thousand dollars (\$25,000) or more must be a licensed contractor. "Roofing work" means the act of removing, installing, repairing or otherwise maintaining any covering to any at- or above-grade structure for the purpose of providing weather proof protection or ornamental enhancement to such structure. In the event the roofing sub-contractor's portion is \$25,000 or more, that sub-contractor's name, contractor's license number, license expiration date, and license classification shall appear on the envelope containing the bid documents.

Per Tennessee Department of Commerce & Insurance Board for Licensing Contractors Rule 0680-01-.24 (2), award of the subcontract to one not listed on the base bid envelope in violation of TCA §62-6-119 will be subject to review and disciplinary action by the Board.

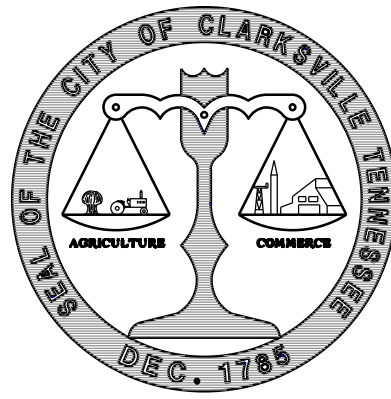
The Information concerning the bidder and all, if any, Subcontractors shall be provided using the State Contractor Licensing Information form and attached to the outside of envelope containing the bid. Special attention should be noted to employment requirements such as Minimum Wages Rates, Certified Disadvantaged Business Enterprises (DBEs) including Woman Owned and Minority Owned Businesses are encouraged to respond to all advertisements by the City of Clarksville.

The City of Clarksville reserves the right, as its interest may require, to reject any and/or all bids and to waive informalities herein. All purchases competitively bid shall be awarded to the lowest and best bidder.

CITY OF CLARKSVILLE



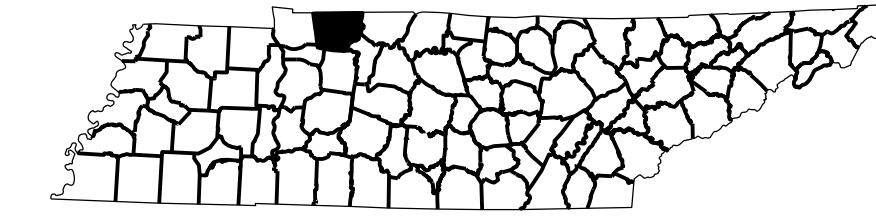
Camille Thomas (Purchasing Supervisor)



CONSTRUCTION PLANS FOR

RED RIVER BRIDGE COATING REHAB

MONTGOMERY COUNTY



UTILITY LIST

| | |
|---------|--------------------------------|
| UTILITY | WATER, WASTEWATER |
| NAME | CITY OF CLARKSVILLE |
| ADDRESS | CLARKSVILLE, TN 37040 |
| CONTACT | BRIAN GOODWIN CITY ENGINEER |
| PHONE | (931) 645-7400 |

| | |
|---------|---------------------------------------------------|
| UTILITY | CABLE |
| NAME | CHARTER COMMUNICATIONS |
| ADDRESS | 1850 BUSINESS PARK DRIVE CLARKSVILLE, TN 37040 |
| CONTACT | |
| PHONE | (888) 829-3018 |

| | |
|---------|--------------------------------------|
| UTILITY | NATURAL GAS |
| NAME | CITY OF CLARKSVILLE |
| ADDRESS | CLARKSVILLE, TN 37040 |
| CONTACT | STEPHANIE BURD UTILITIES DIRECTOR |
| PHONE | (931) 645-7422 |

| | |
|---------|----------------|
| UTILITY | TELEPHONE |
| NAME | BELL SOUTH |
| ADDRESS | |
| CONTACT | |
| PHONE | (800) 331-0500 |

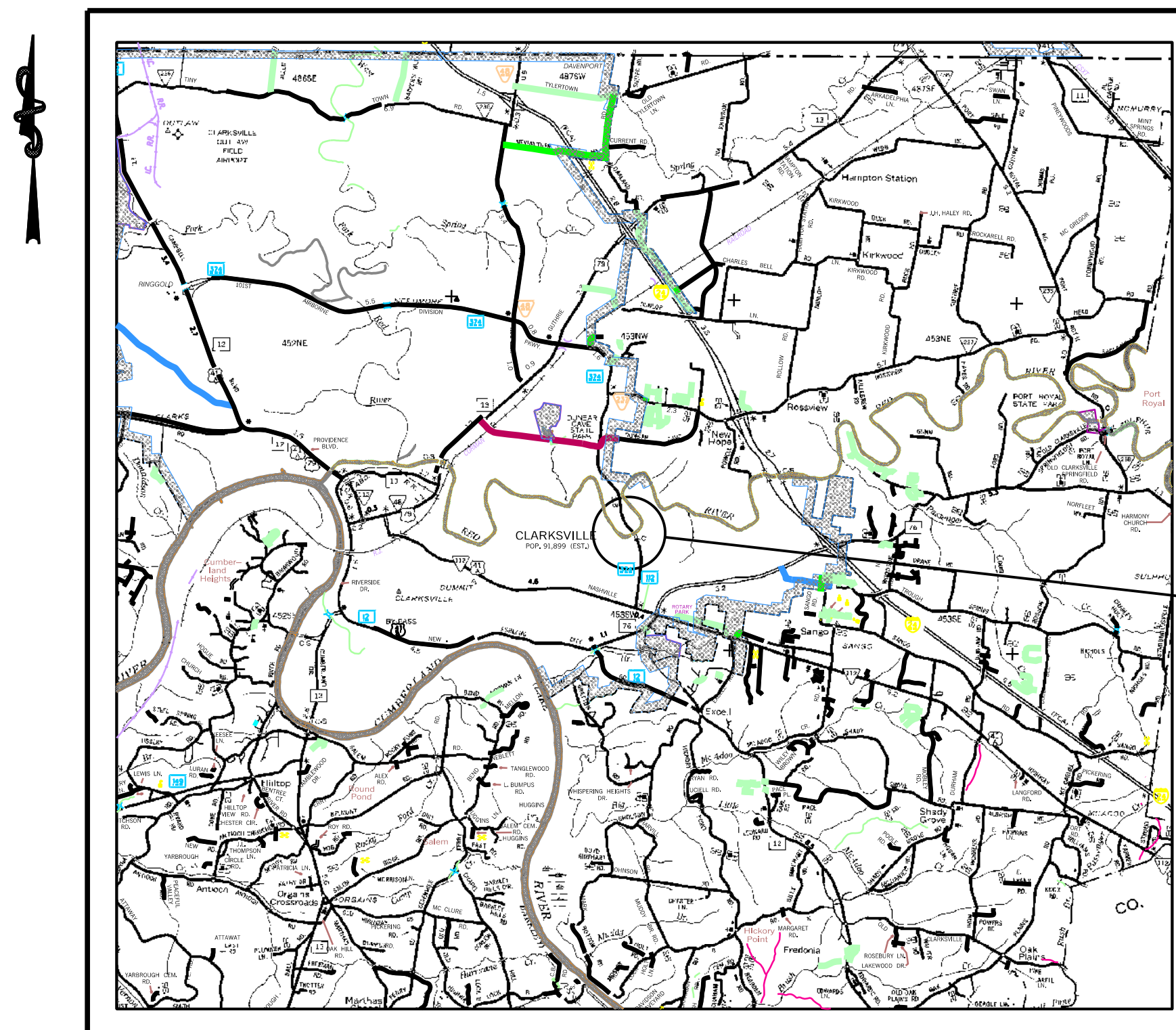
| | |
|---------|-------------------------------------------|
| UTILITY | ELECTRICITY |
| NAME | CUMBERLAND ELECTRIC COOP |
| ADDRESS | 1940 MADISON ST. CLARKSVILLE, TN 37040 |
| CONTACT | RANDY HOLT OPERATIONS MANAGER |
| PHONE | (800) 987-2362 |

| | |
|---------|--------------------------------------------------|
| UTILITY | ELECTRICITY |
| NAME | CLARKSVILLE DEPT. OF ELECTRICITY |
| ADDRESS | 2021 WILMA RUDOLPH BLVD CLARKSVILLE, TN 37040 |
| CONTACT | RONNIE CAMP MANAGER |
| PHONE | (931) 648-8151 |

| | |
|---------|----------------|
| UTILITY | PETROLEUM |
| NAME | BP PIPELINES |
| ADDRESS | |
| CONTACT | RICK SAULSBURY |
| PHONE | (931) 206-5004 |

SHEET INDEX

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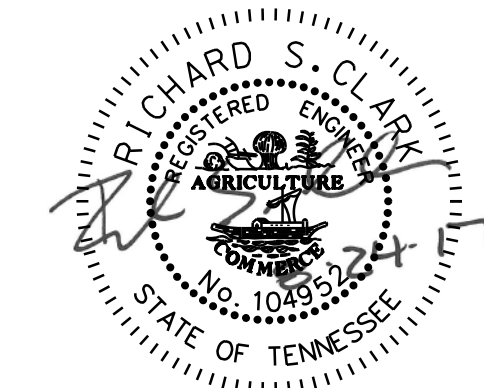


PROJECT SITE



250 N. Highland Ave.
Jackson, TN 38301
Phone: 731-422-7211
Fax: 731-422-7255
Visit us: www.tennergy.com

CITY OF CLARKSVILLE GAS & WATER.
KIM McMILLAN, MAYOR
PAT HICKEY, GENERAL MANAGER
STEPHANIE BURD, PUBLIC UTILITIES DIRECTOR



TENNERGY JOB NO. 42720
 DATE: 8-24-2017
 SET NO.: _____

GENERAL NOTES

1. UNIT PRICES: THE UNIT PRICES SHALL INCLUDE ALL MATERIAL, LABOR, EQUIPMENT, OVERHEAD AND PROFIT FOR THE COMPLETE INSTALLATION OF THE ITEM. THE UNIT PRICES SHALL NOT BE INCREASED OR DECREASED SHOULD A SIGNIFICANT VARIATION IN QUANTITIES OCCUR.
2. NON-PAY ITEMS: ONLY ITEMS SHOWN ON THE BID AS PAY ITEMS WILL BE PAID FOR COMPENSATION FOR ALL LABOR, MATERIALS, TOOLS, EQUIPMENT, AND INCIDENTALS FOR THE ENTIRE CONTRACT SHALL BE INCLUDED IN THE PRICE BID FOR PAY ITEMS.
3. NO ITEM QUANTITIES IN BIDDERS PROPOSAL WILL BE ADJUSTED AFTER RECEIPT OF BIDS, UNLESS CONCURRED BY OWNER. CONTRACTOR IS ENCOURAGED TO CHECK QUANTITIES IN BIDDERS PROPOSAL PRIOR TO SUBMITTING BID. ANY DISCREPANCIES FOUND BY THE CONTRACTOR SHOULD BE BROUGHT TO THE ATTENTION OF THE ENGINEER AS SOON AS POSSIBLE AND IN ALL CASES PRIOR TO THE OPENING BIDS.
4. NOTHING IN THE GENERAL NOTES OR SPECIFICATIONS SHALL RELIEVE THE CONTRACTOR FROM HIS RESPONSIBILITIES TOWARD THE SAFETY AND CONVENIENCE OF THE GENERAL PUBLIC AND THE RESIDENTS ALONG THE PROPOSED CONSTRUCTION AREA.
5. ANY DAMAGE TO PROPERTY, INCLUDING FENCES, WILL BE CORRECTED TO THE SATISFACTION OF THE PROPERTY OWNERS BY THE CONTRACTOR, AT THE CONTRACTOR'S EXPENSE.
6. THE CONTRACTOR SHALL NOTIFY EACH INDIVIDUAL UTILITY OWNER OF HIS PLAN OF OPERATION IN THE AREA OF THE UTILITIES. PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL CONTACT TN 811 AND REQUEST THEM TO PROPERLY LOCATE THE RESPECTIVE UTILITY ON THE GROUND. THIS NOTIFICATION SHALL BE GIVEN AT LEAST THREE (3) BUSINESS DAYS PRIOR TO COMMENCEMENT OF OPERATIONS AROUND THE UTILITY.
7. LOCATION OF UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE ONLY AND IN NO WAY RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF CONTACTING ANY AND ALL UTILITIES LOCATED NEAR THE PROJECT PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL CONTACT ALL UTILITY OWNERS TWO WEEKS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS IN THE AREAS OF CONSTRUCTION.
8. TRAFFIC CONTROL: THE CONTRACTOR SHALL PROVIDE ADEQUATE SIGNS AND/OR BARRICADES REQUIRED TO PROVIDE FOR THE TRAVELING PUBLIC. TRAFFIC CONTROL DEVICES SHALL MEET THE REQUIREMENTS OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD)". ALL COST IS TO BE INCLUDED IN OTHER ITEMS OF WORK.
9. SEEDING AND SODDING: ALL AREAS DISTURBED BY THE CONTRACTOR, INCLUDING LAWN AREAS, ARE TO BE SEEDED AND MULCHED IN ACCORDANCE WITH THE SPECIFICATION FOR THIS PROJECT
10. OSHA RULES SHALL BE ABIDED BY.
11. CONTRACTOR SHALL SHORE AND BRACE ALL OPEN CUT TRENCHES AS REQUIRED BY STATE AND FEDERAL LAWS AND LOCAL ORDINANCES; TO CONFORM WITH RECOMMENDATIONS SET FORTH IN AGC MANUAL OF ACCIDENT PREVENTION IN CONSTRUCTION; TO PROTECT LIFE, PROPERTY, OR WORK; TO AVOID EXCESSIVELY WIDE CUTS IN UNSTABLE MATERIAL.
12. CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY AND COSTS CONNECTED WITH LOCATION AND PROTECTION OF EXISTING UTILITIES.
13. CONTRACTOR ASSUMES SOLE RESPONSIBILITY FOR WORKER SAFETY AND DAMAGE TO STRUCTURES AND IMPROVEMENTS RESULTING FROM CONSTRUCTION OPERATIONS.
14. ALL TRENCH EXCAVATION OPERATIONS SHALL MEET OR EXCEED ALL APPLICABLE SHORING LAWS FOR TRENCHES. ALL TRENCH SAFETY SYSTEMS SHALL MEET OSHA AND STATE REQUIREMENTS.
15. CONTRACTOR SHALL MAINTAIN THE PERMITS AND A COPY OF THE CONTRACT DOCUMENTS AT THE PROJECT SITE AT ALL TIMES.
16. ALL TRASH AND DEBRIS WILL BE CLEANED UP DAILY FROM THE CONSTRUCTION SITE AND DISPOSED OF IN ACCORDANCE WITH THE CONTRACTOR'S WASTE MANAGEMENT PLAN.

SCOPE OF WORK

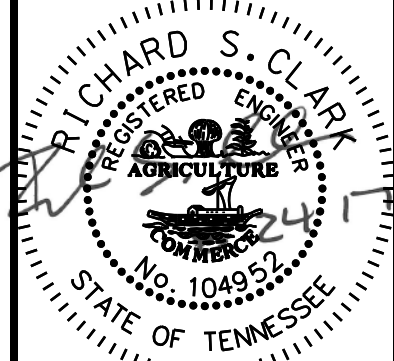
1. THE CONTRACTOR SHALL PREPARE AND RESURFACE 12" STEEL MAIN AS DIRECTED IN SPECIFICATION.
2. THE MAXIMUM ALLOWABLE OPERATING PRESSURE (MAOP) OF THE GAS MAIN IS 500 PSIG.
3. CONTRACTOR SHALL NOT MODIFY THE LOCATION OF THE PIPELINE OR VALVES AND OTHERS APPURTENANCES FROM THAT SHOWN ON THE PLANS WITHOUT PRE-APPROVAL FROM THE OWNERS PROJECT REPRESENTATIVE.

TYPICAL CONSTRUCTION NOTES:

1. REPLACE OR RELOCATE ALL SIGNS DAMAGED OR REMOVED DUE TO CONSTRUCTION.
2. EXISTING DITCHES, DRAINAGES, DRAIN TILES ETC., CROSSED BY OPEN CUT SHALL BE RESTORED TO PRE-CONSTRUCTION CONDITION.
3. CONTRACTOR SHALL COORDINATE WITH ELECTRIC UTILITIES FOR SUPPORT OF POWER POLES ADJACENT TO TRENCHING OPERATIONS. NOTIFY UTILITIES A MINIMUM OF FORTY-EIGHT (48) HOURS PRIOR TO CONSTRUCTION ACTIVITY.
4. PIPELINE MARKERS AND WARNING SIGNS SHALL BE INSTALLED AND RECORDED BY THE CONTRACTOR AS SPECIFIED IN THE CONTRACT DOCUMENTS.
5. RESTORE ALL ROADWAYS SUBJECT TO OPEN CUT TO ORIGINAL OR BETTER CONDITION.
6. THE CONTRACTOR SHALL COORDINATE WITH THE PROPERTY OWNER PRIOR TO OPEN CUTTING ENTRANCE DRIVES.

SPECIAL NOTES

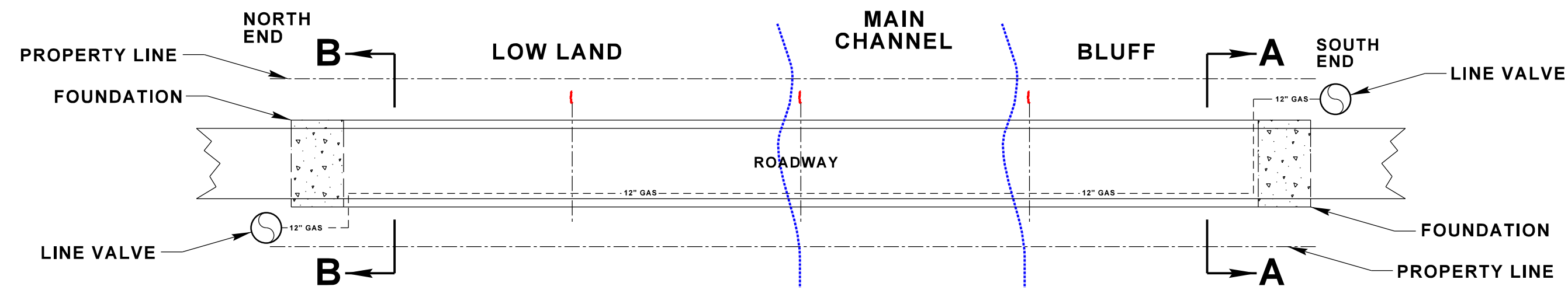
1. ALL WORK AREAS THAT ARE NOT BACKFILLED MUST BE FENCED WITH SAFETY FENCE OR OTHER SUITABLE FENCING.
2. ALL OPEN ROAD/DRIVE CUTS MUST BE COMPACTED TO 95% PER DETAILS AND SPECIFICATIONS.
3. CONTRACTOR MUST CONTACT PROPERTY OWNERS 1 WEEK PRIOR TO WORK STARTING ON PROPERTY TO WORK OUT ANY SPECIAL ARRANGEMENTS OR CONCERNS.
4. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL EROSION CONTROL DEVICE PLACEMENTS IN ACCORDANCE WITH THE LATEST TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION EROSION CONTROL HANDBOOK AND THE SWPPP.



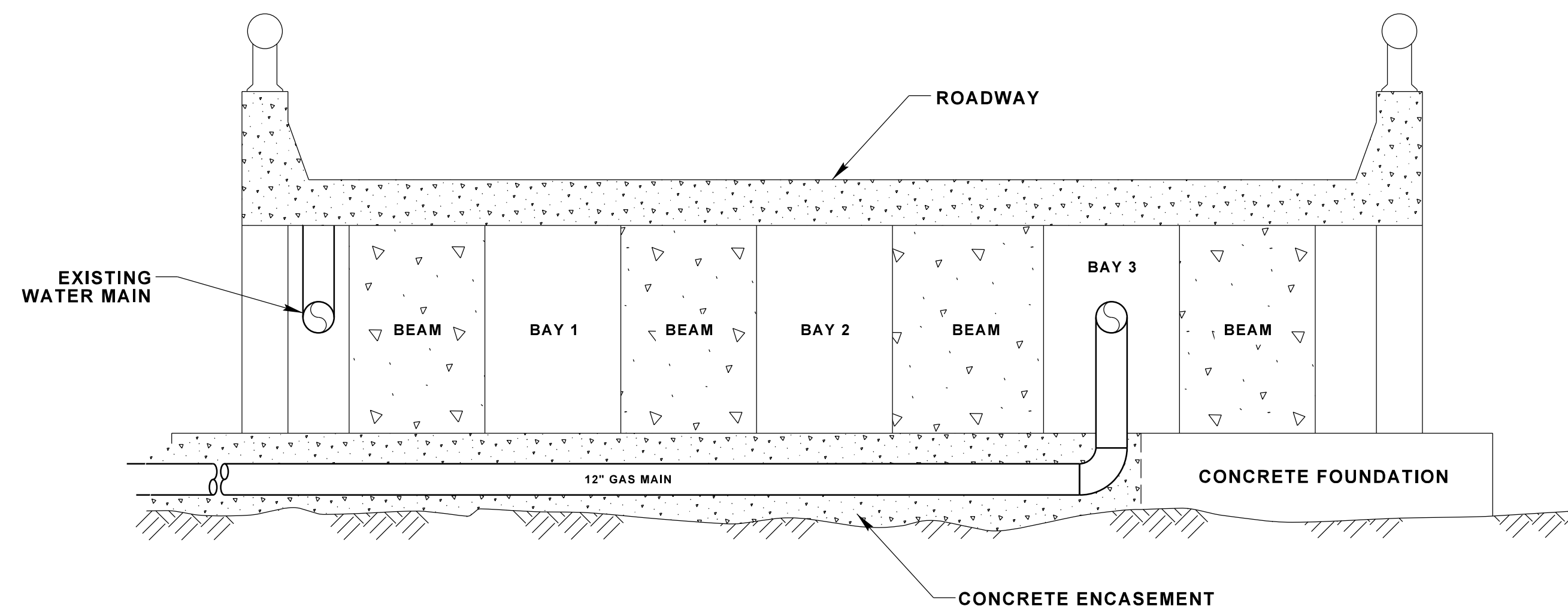
COATING PLAN NOTES

2015 BRIDGE REHABILITATION
CITY OF CLARKSVILLE GAS DEPARTMENT
CLARKSVILLE, TENNESSEE

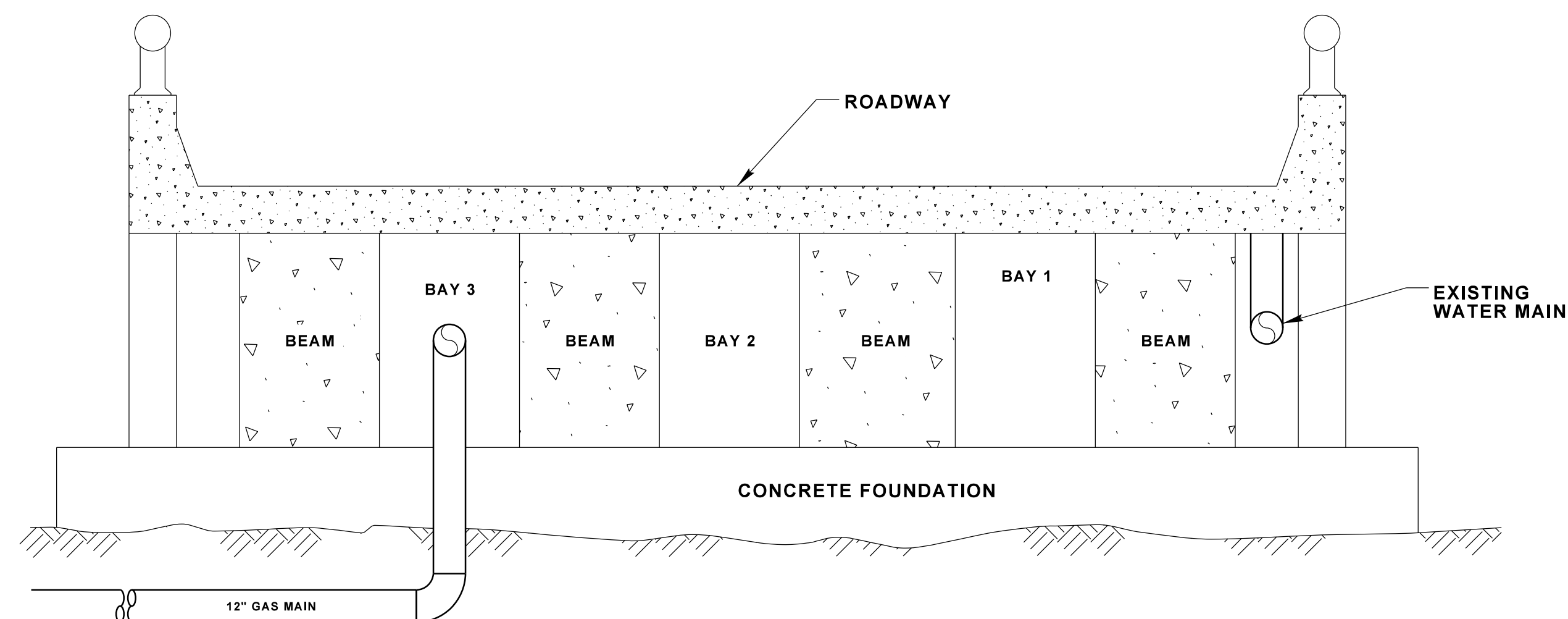
| DR. | CHK | DATE | DESCRIPTION |
|-----|-----|---------|--------------|
| CD | AT | 8-24-17 | CONSTRUCTION |
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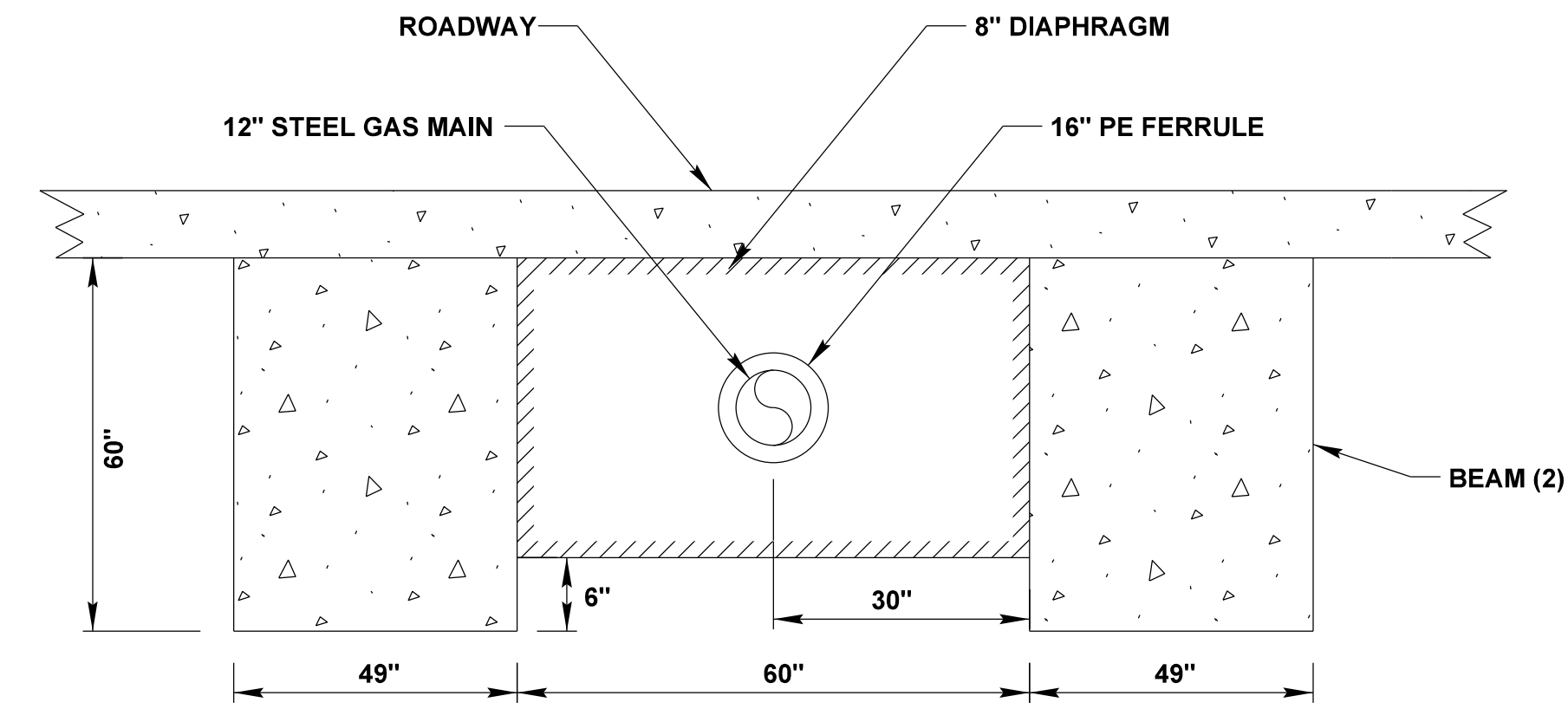
PLAN VIEW
SCALE: NTS



SECTION A-A
SCALE: NTS



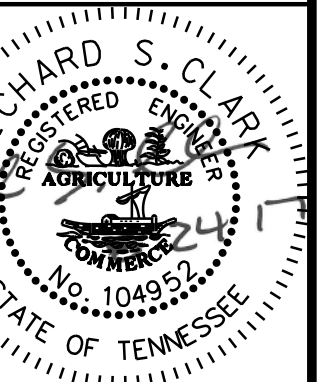
SECTION B-B
SCALE: NTS



THROUGH DIAPHRAGM DETAIL
SCALE: NTS

NOTE:
1. CORE DRILL HOLE IN DIAPHRAGM.

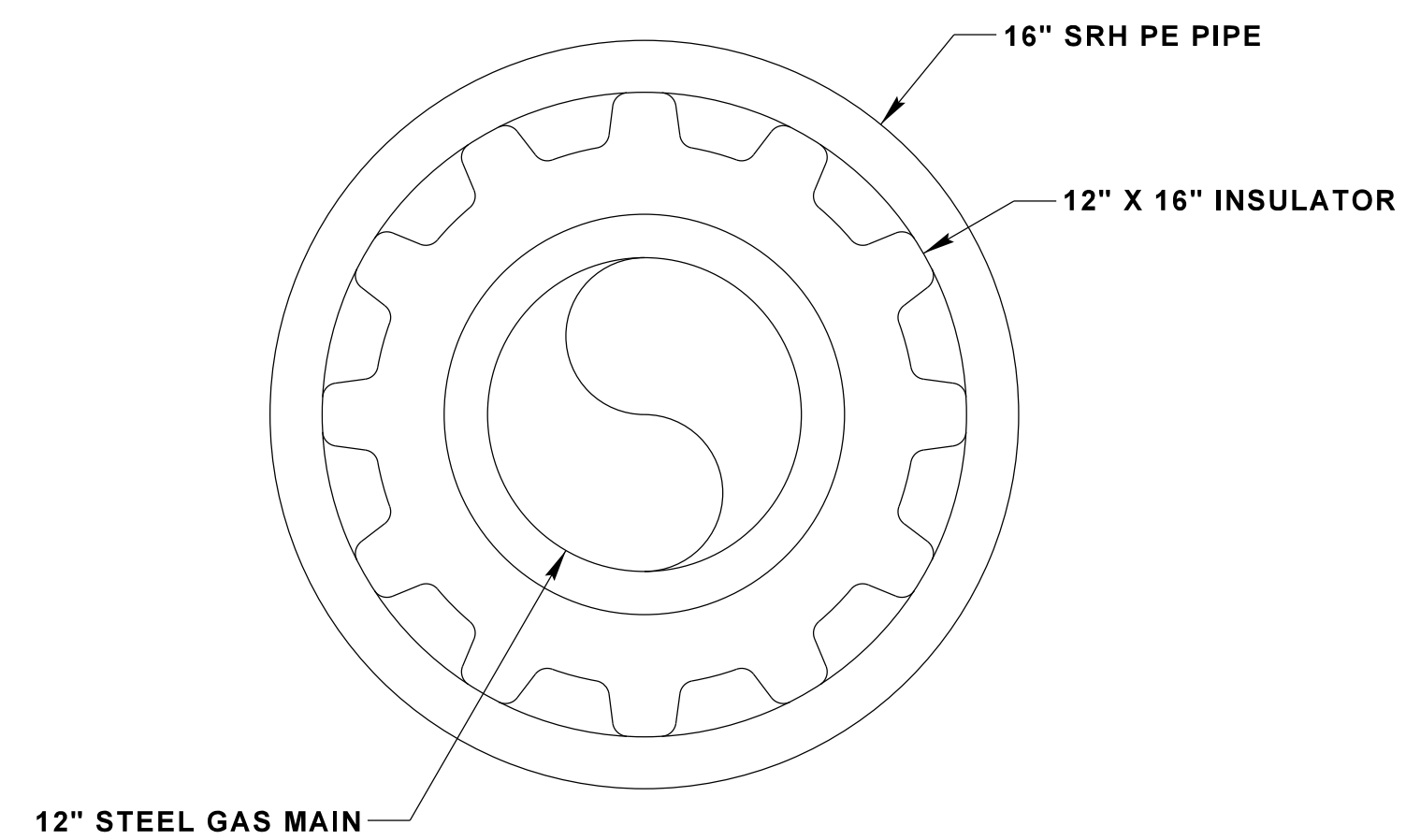
250 N. Highland Ave.
Phone: 731-422-7211
Fax: 731-422-7255
Visit us: www.tennergy.com



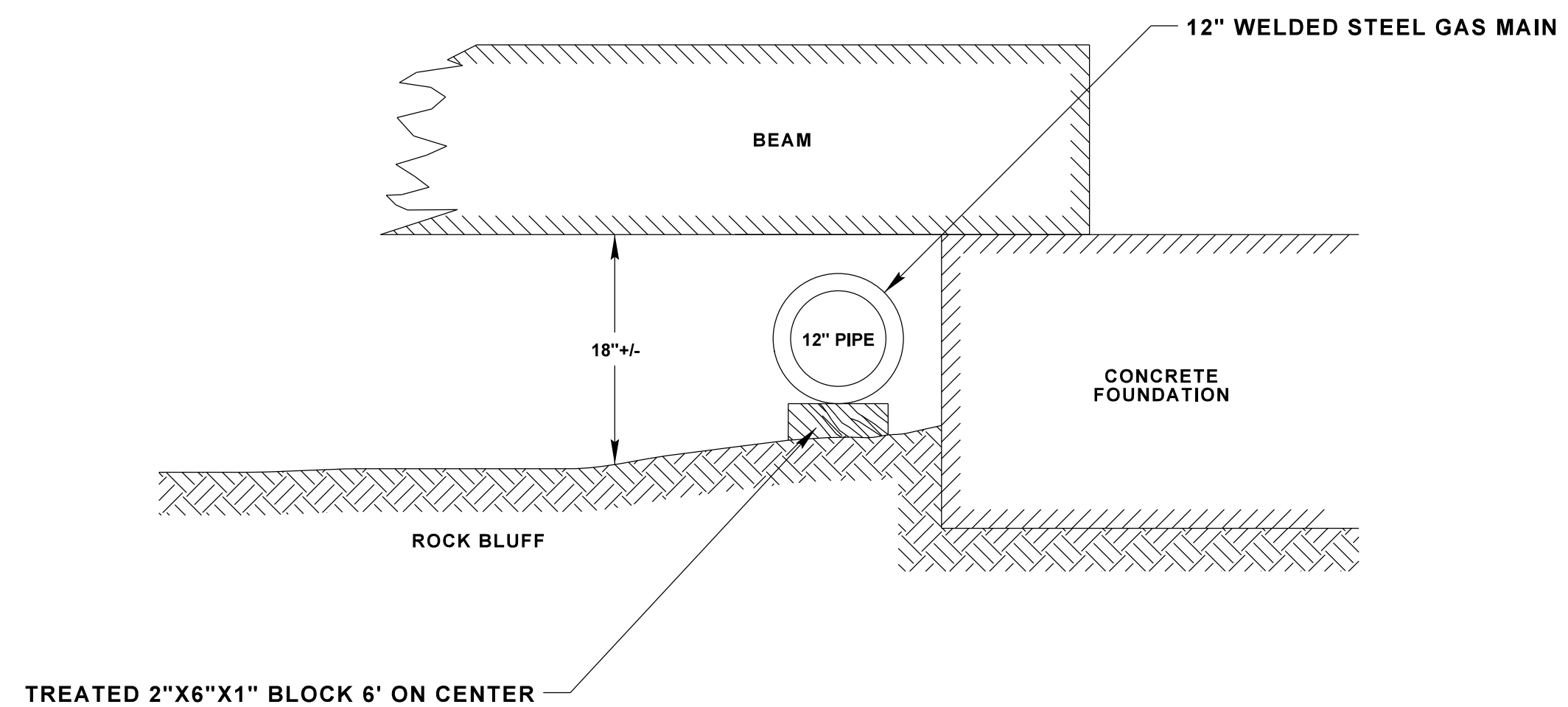
EXISTING FACILITIES - PLAN & BRIDGE SECTIONS

2015 BRIDGE REHABILITATION,
CITY OF CLARKSVILLE GAS DEPARTMENT
CLARKSVILLE, TENNESSEE

| DR. | CHK. | DATE | DESCRIPTION |
|-----|------|---------|--------------|
| CD | AT | 8-24-17 | CONSTRUCTION |
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INSULATOR DETAIL
SCALE: NTS



EXISTING SOUTH ABUTMENT CROSS SECTION
SCALE: NTS

NOTES:

1. CONTRACTOR TO REPLACE EXISTING HANGER, ROLLER AND HALF SOLE.
2. CONTRACTOR TO REUSE 7/8" ROD AND HARDWARE.

NEW HARDWARE SPECIFICATIONS:

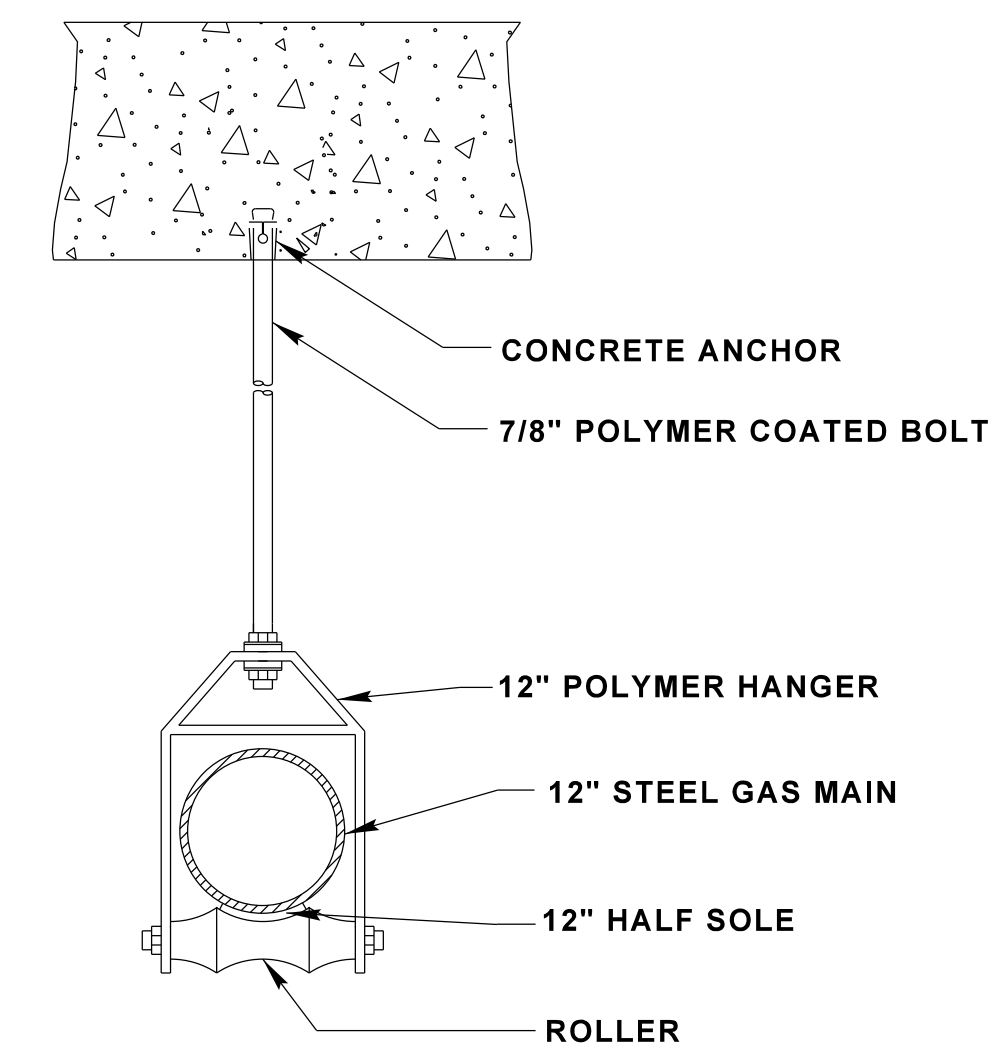
ANVIL INTERNATIONAL FIGURE 181, ADJUSTABLE STEEL YOKE PIPE ROLL, SIZE 14"

MATERIAL - CAST IRON ROLL; CARBON STEEL YOKE, ROLL ROD AND HEX NUTS.
FINISH - PLAIN, HOT-DIP GALVANIZED YOKE WITH ZINC PLATED PARTS OR RESILIENT COATED.

MAXIMUM TEMPERATURE - 450°F AT ROLLER, 300°F AT RESILIENT COATED ROLLER.

SPACING = 8 FT

TOTAL HANGERS = APPROX. 50



EXISTING HANGER DETAIL
SCALE: NTS

| DR. | CHK. | DATE | DESCRIPTION |
|-----|------|---------|--------------|
| CD | AT | 8-24-17 | CONSTRUCTION |
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