

ADDENDUM #1
2013 Gas Service Riser Replacements and Improvements
City of Duluth
Bid No. 13-0290
Bid Opening: 2:00 P.M. May 1, 2013

NOTICE TO ALL BIDDERS:

The addendum is issued to modify, explain or correct the original drawings, specification and/or previous addendums and is hereby made a part of the Contract Documents. Please attach this Addendum to the specifications in your possession and note receipt of this Addendum on page 2 of the Request for Bid. The bid date remains unchanged.

The above entitled contract documents are hereby revised as follows:

SPECIFICATION

CHANGE all instances where the project scope references 1000 gas service riser replacements to 960 gas service riser replacements.

REPLACE the original Exhibit A with the revised Exhibit A included with this Addendum.

REPLACE on the Data for Labor Cost Bidding sheet the Project Prevailing Wage Decisions listed at the bottom of the page to the following:

US DOL Building, MN130041, 03/29/2013
US DOL Heavy, MN120105, 03/29/2013

SPECIAL PROVISIONS

DELEATE AND REPLACE SP-1, first sentence to with the following:

"This project consists of furnishing materials, labor, and equipment necessary to replace gas service risers as various locations within the City. "

DELEATE AND REPLACE SP-5, Part E with the following paragraph:

"E. The City of Duluth Public Works and Utilities Department will perform all required painting of exterior above grade piping and equipment downstream of the riser. "

DELETE AND REPLACE SP-11 in its entirety with the following:

SP-11 MEASUREMENT AND PAYMENT

Payment for all contract bid items is generally described as follows:

- A. Payment for Bid Item No. 1, 2021.501 Mobilization shall be paid once at the contract amount bid regardless of how many times the Contractor may, for any reason, shut down work on the contract or move equipment away from the project and then back again. The Contractor will be eligible to receive 50% of the Mobilization on the first application for payment where a significant amount of work has been completed. The remaining 50% will be paid to the Contractor when the project surpasses 50% payment of the original contract amount.
- B. Payment for Bid Item No. 2, Furnish & Install 1/2" Riser, Meter Stop, and Nipple to Regulator shall include the excavation for removal and the removal of the existing riser, meter stop, and nipple. When directed by the Field Engineer this item shall also include replacement of the regulator with a new regulator supplied by the City of Duluth and soap testing the additional connection. The Contractor will furnish, test, and install new materials per the contract detail D-1. Backfilling the excavation which may include supplementing material and providing restoration is included with this item.
- C. Payment for Bid Item No. 3, Reset 400 CFH or Smaller Gas Meter and/or Regulator in Existing or New Location shall include disassembly of the existing piping shown in contract detail D-2, and reassembly of a modified piping and meter configuration in the same location, or a new location. This bid item will include testing of all new piping materials and connections, and installation or adjustments to a new or existing equipment including regulator, post, meter bar, and meter which may not be required at every location.
- D. Payment for Bid Item No. 4, Gas Piping Reconnection or External Piping Revision 1-1/2" or smaller Less Than 5' shall include disassembly of any existing piping shown in contract detail D-3, and reassembly of a modified piping configuration with new materials between the union downstream of the meter and the exterior face of the services building. This bid item will apply if the total length of the piping modification is less than 5' as measured along the pipe. This bid item will include testing of new piping and connections, and installation of adequate support brackets per the plumbing code.
- E. Payment for Bid Item No. 5, Gas Piping Reconnection or External Piping Revision 1-1/2" or smaller More Than 5' shall apply to piping modifications greater than 5' as measured along the pipe. Payment will be by the actual lineal foot of revised piping installed in excess of 5' (example 6' total length will yield 1' of payment for Bid Item No. 5, plus payment for Bid Item No. 4). This bid item will include additional connections and installation of adequate support brackets per the plumbing code.
- F. Payment for Bid Item No. 6, Furnish & Install 1/2" PE Gas Service shall include the costs to excavate beyond the service riser to the existing service, installation of new 1/2" PE service piping, and connection to the existing service, and testing. This bid item will be paid by the lineal foot of PE service installed from the riser connection joint to the existing service connection.
- I. Payment for Bid Item No. 7, Remove Gas Meter Set shall include the cost to remove gas meter, regulator, and piping as shown in construction detail D-5 and is only applicable when a 1/2" PE Service extension is installed to relocate the meter set elsewhere on a served building. Contractor shall excavate to cut off existing riser, cap and abandon gas service, then backfill and restore all inclusive with this bid item.
- G. Payment for Bid Item No. 8, Discretionary Meter Replacements shall be made when directed by the Field Engineer to replace a 400 CFH or smaller service meter for a variety of reasons. The replacement meter will be provided by the City of Duluth, the removed meter shall remain onsite near the meter set for pick up by the Department. This bid item will not require any pressure testing, but will require soap testing of the meter set connections.
- H. Payment for Bid Item No. 9, Install Regulator Vent Extension shall include the materials and labor to install a piped vent extension from the gas regulator to a suitable location up to 10 feet away. This bid item does not include any testing. The vent extensions will be paid for at each occurrence where the Field Engineer requires this work.
- I. Payment for Bid Item No. 10, Restoration of Existing Paved Surface shall include the costs to repair private driveways, walks, patios, or landscaped paved areas which are on private property. The Contractor shall match existing structure construction methods and materials which include but are not limited to concrete, bituminous, and pavers in an appropriate and professional manner to patch in repairs. If concrete is removed it shall either be sawed or removed to the nearest panel joint, bituminous shall be

neat lined, and pavers shall be salvaged for replacement. Payment for any of the described work will be made by the square foot replaced at the same unit price for any of the methods described. The Contractor will be responsible for restoration of damage to surrounding street and driveway pavement, sidewalk, curb and gutter, private walks, and landscaping by the Contractor's equipment at no cost to the City.

RENAME SP-13 Part D as "Testing Low Pressure Gas Lines"

DELETE SP-13 Part E in its entirety.

REPLACE the Appendix B Details D-1, D-2, D-3, D-4, and D-5 with the attached revisions.

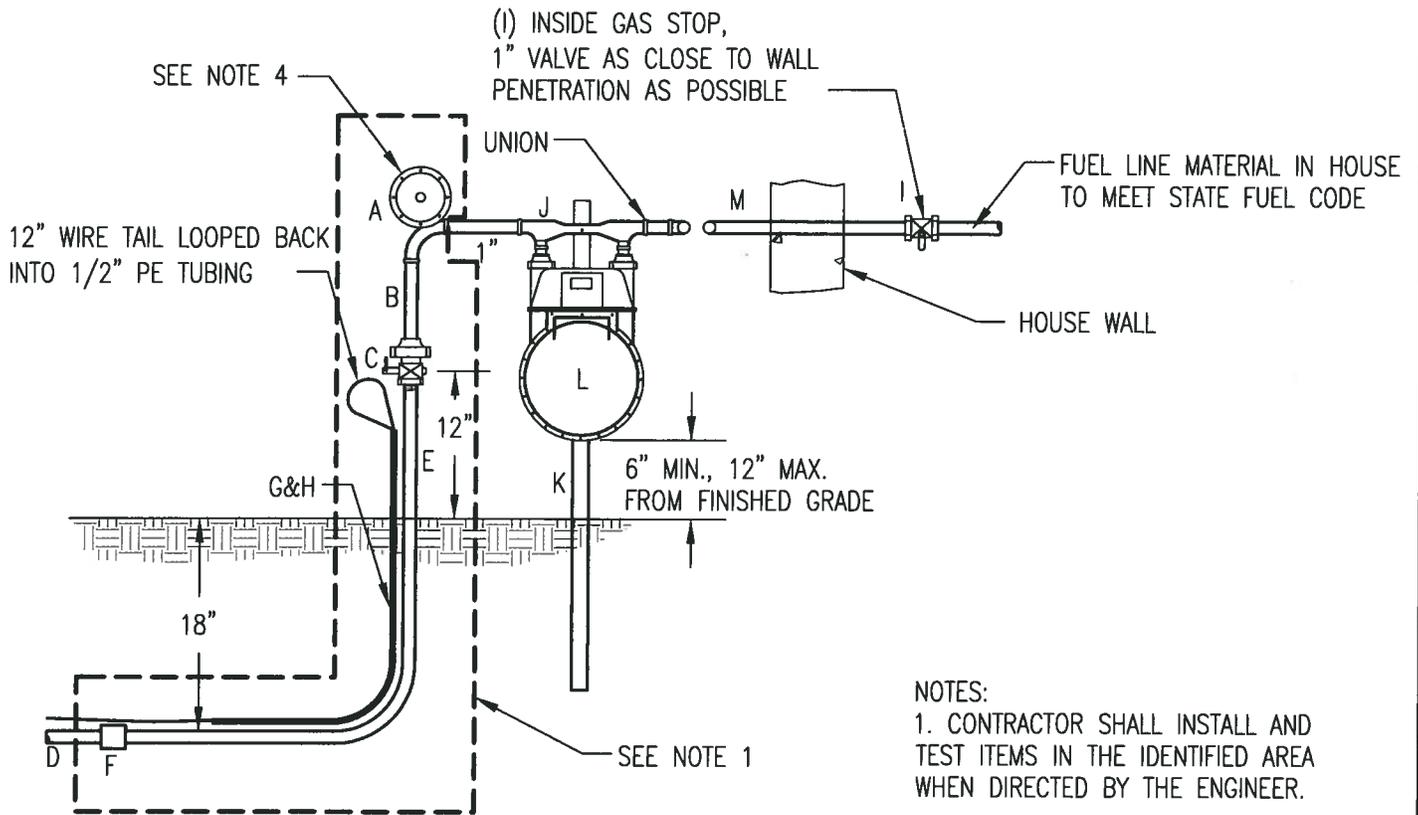
ATTACH Appendix C, Typical Riser Replacement and Other Work Examples which is included with this addendum.

END OF ADDENDUM

EXHIBIT A

Item No.	Spec. No.	Description	Unit	Est. Qty	Unit Price	Total Price
1	2021.501	Mobilization	Lump Sum	1	\$	\$
2	2505.603	Furnish & Install 1/2" Riser, Meter Stop, and Nipple to Regulator	Each	960	\$	\$
3	2505.602	Reset 400 CFH or Smaller Gas Meter and/or Regulator in Existing or New Location	Each	200	\$	\$
4	2505.602	Gas Piping Reconnection or External Piping Revision 1-1/2" or Smaller Less Than 5'	Each	125	\$	\$
5	2505.602	Gas Piping Reconnection or External Piping Revision 1-1/2" or Smaller More Than 5'	LF	200	\$	\$
6	2505.603	Furnish & Install 1/2" PE Gas Service	LF	1000	\$	\$
7	2104.501	Remove Gas Meter Set	Each	100	\$	\$
8	2505.602	Discretionary Meter Replacement	Each	50	\$	\$
9	2505.602	Install Regulator Vent Extension	Each	500	\$	\$
10	2521.501	Restoration of Existing Paved Surface (Concrete, Bituminous, or Pavers)	SQ FT	1500	\$	\$

GRAND TOTAL:



- A. REGULATOR, SCHUMBERGER B-42 WITH 1/8" ORIFICE
- B. 3/4" NIPPLE
- C. 3/4" METER STOP
- D. PE SERVICE
- E. 1/2" X 3/4" ANODELESS SERVICE RISER
- F. 1/2" C.T.S. P.E. SOCKET COUPLING
- G. 1/2" P.E. TO PROTECT TRACER WIRE
- H. COATED TRACER WIRE
- I. 1" BRONZE BALL VALVE
- J. ROCKFORD ECLIPSE 701173 26-M WEDGESEAL METER BAR (OR EQUAL)
- K. ADVANCE ENG. CORP. D.P. 1004 METER MOUNTING BRACKET (OR EQUAL)
- L. METER
- M. 1" MIN BLACK STEEL PIPE

- NOTES:
1. CONTRACTOR SHALL INSTALL AND TEST ITEMS IN THE IDENTIFIED AREA WHEN DIRECTED BY THE ENGINEER.
 2. PLUMBING PERMIT IS NOT REQUIRED FOR THIS WORK.
 3. EXISTING TRACER WIRE CAN REMAIN IN PLACE UNLESS DAMAGED BY THE CONTRACTOR.
 4. CONTRACTOR SHALL REPLACE REGULATOR WITH RISER INSTALLATION ONLY WHEN DIRECTED BY ENGINEER. REGULATOR DOES NOT RECEIVE A PRESSURE TEST.

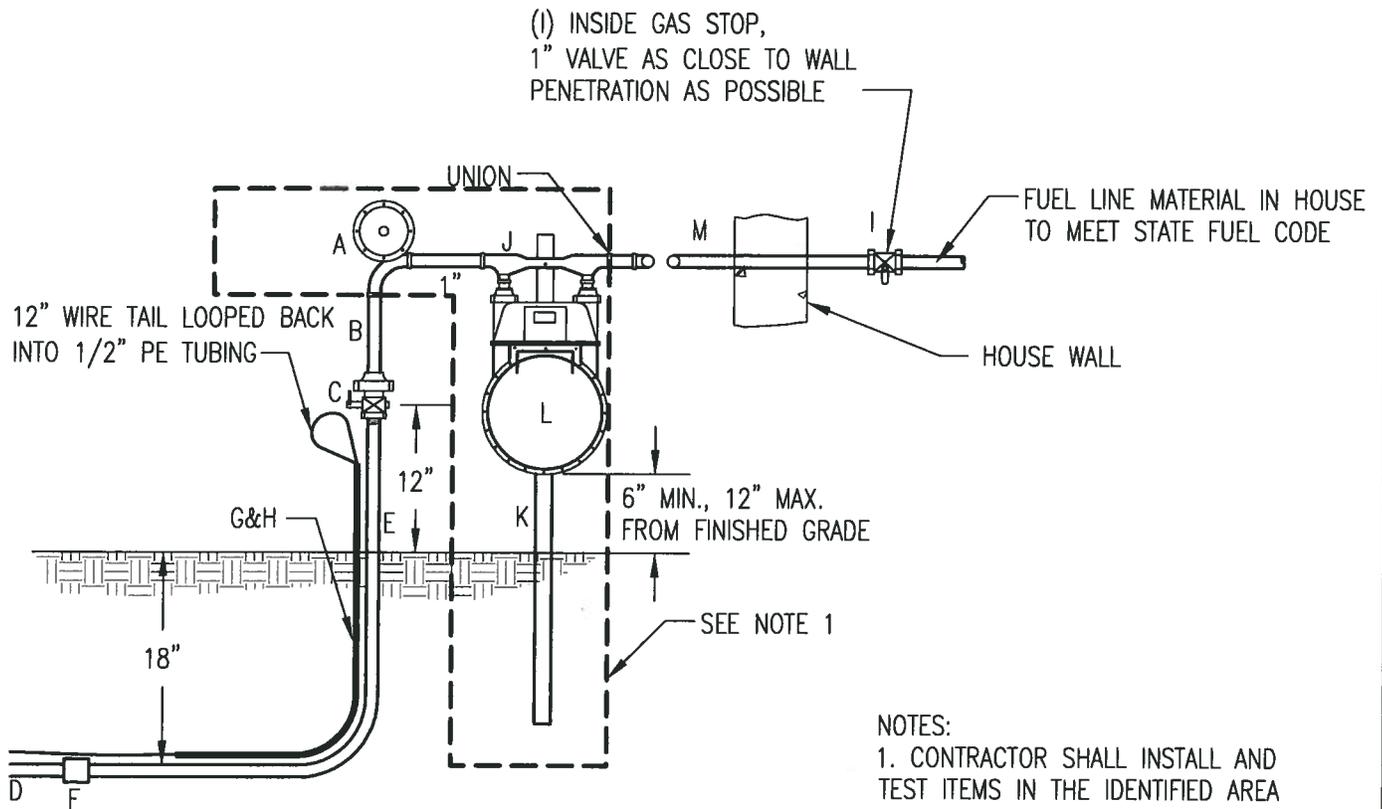
BID ITEM NO. 2 DETAIL – REPLACE 1/2" RISER W/METER STOP AND NIPPLE

D-1

CITY PROJECT NO. 1225

CITY OF DULUTH – DEPT. OF PUBLIC WORKS AND UTILITIES
2013 GAS SERVICE RISER REPLACEMENTS AND IMPROVEMENTS

NO SCALE



NOTES:
1. CONTRACTOR SHALL INSTALL AND TEST ITEMS IN THE IDENTIFIED AREA WHEN DIRECTED BY THE ENGINEER.

2. PLUMBING PERMIT IS NOT REQUIRED FOR THIS WORK.

- A. REGULATOR, SCHUMBERGER B-42 WITH 1/8" ORIFICE
- B. 3/4" NIPPLE
- C. 3/4" METER STOP
- D. PE SERVICE
- E. 1/2" X 3/4" ANODELESS SERVICE RISER
- F. 1/2" C.T.S. P.E. SOCKET COUPLING
- G. 1/2" P.E. TO PROTECT TRACER WIRE
- H. COATED TRACER WIRE
- I. 1" BRONZE BALL VALVE
- J. ROCKFORD ECLIPSE 701173 26-M WEDGESEAL METER BAR (OR EQUAL)
- K. ADVANCE ENG. CORP. D.P. 1004 METER MOUNTING BRACKET (OR EQUAL)
- L. METER
- M. 1" MIN BLACK STEEL PIPE

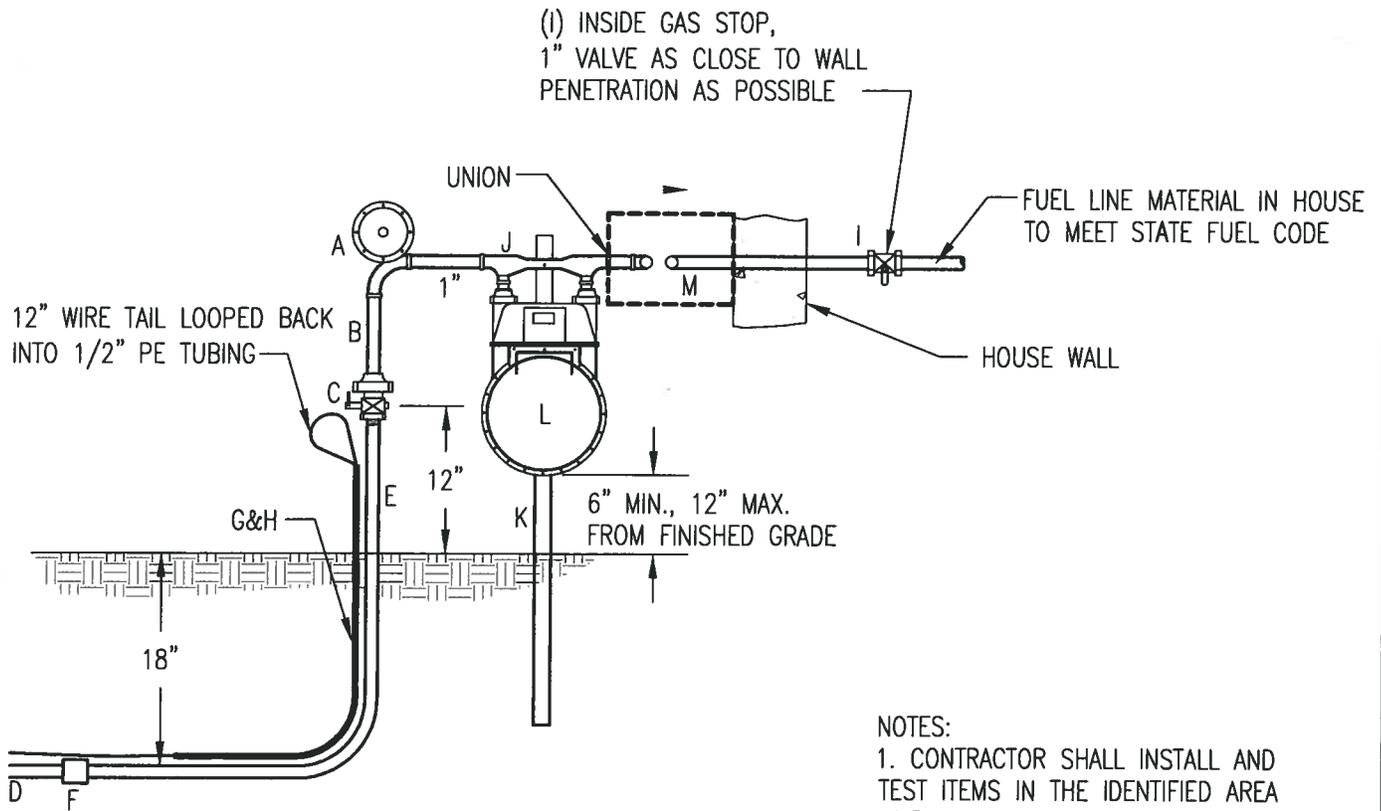
BID ITEM NO. 3 DETAIL – RESET GAS METER AND/OR REGULATOR

D-2

CITY PROJECT NO. 1225

CITY OF DULUTH – DEPT. OF PUBLIC WORKS AND UTILITES
2013 GAS SERVICE RISER REPLACEMENTS AND IMPROVEMENTS

NO SCALE



NOTES:

1. CONTRACTOR SHALL INSTALL AND TEST ITEMS IN THE IDENTIFIED AREA WHEN DIRECTED BY THE ENGINEER.

2. PLUMBING PERMIT IS NOT REQUIRED FOR THIS WORK.

- A. REGULATOR, SCHUMBERGER B-42 WITH 1/8" ORIFICE
- B. 3/4" NIPPLE
- C. 3/4" METER STOP
- D. PE SERVICE
- E. 1/2" X 3/4" ANODELESS SERVICE RISER
- F. 1/2" C.T.S. P.E. SOCKET COUPLING
- G. 1/2" P.E. TO PROTECT TRACER WIRE
- H. COATED TRACER WIRE
- I. 1" BRONZE BALL VALVE
- J. ROCKFORD ECLIPSE 701173 26-M WEDGESEAL METER BAR (OR EQUAL)
- K. ADVANCE ENG. CORP. D.P. 1004 METER MOUNTING BRACKET (OR EQUAL)
- L. METER
- M. 1" MINIMUM BLACK STEEL PIPE

BID ITEM NO. 4 & 5 DETAIL-EXTERNAL GAS PIPING RECONNECT OR REVISION

D-3

CITY PROJECT NO. 1225

CITY OF DULUTH - DEPT. OF PUBLIC WORKS AND UTILITIES
2013 GAS SERVICE RISER REPLACEMENTS AND IMPROVEMENTS

NO SCALE

APPENDIX C: Typical Riser Replacement and Other Work Examples

The purpose of Appendix C is to provide examples of typical gas service riser replacements that are included in the scope of work of this project. At select sites the riser replacements may include additional piping modifications or equipment replacements as described in the contract bid items. The attached example photos will show typical sites requiring one or more bid items. Table C.1 below will indicate which bid items are applicable to the installation sites shown in the provided example photographs.

Table C.1: Applicable Bid Items and Typical Riser Sites

Bid Item No.	Bid Item Description
1	Mobilization
2	Furnish & Install 1/2" Riser, Meter Stop, and Nipple to Regulator
3	Reset 400 CFH or Smaller Gas Meter and/or Regulator in Existing or New Location
4	Gas Piping Reconnection or External Piping Revision Less Than 5'
5	Gas Piping Reconnection or External Piping Revision More Than 5'
6	Furnish & Install 1/2" PE Gas Service
7	Remove Gas Meter Set
8	Discretionary Meter Replacement
9	Install Regulator Vent Extension
10	Restoration of Existing Paved Surface (Concrete, Bituminous, or Pavers)

Example Photo No.	Example of Applicable Bid Item No. by Site											
	1	2	3	4	5	6	7	8	9	10		
1												
2												
3												
4												
5												
6												
7												
8												



Riser Replacement Example Photo No. 1



Riser Replacement Example Photo No. 2



Riser Replacement Example Photo No. 3



Riser Replacement Example Photo No. 4



Riser Replacement Example Photo No. 5



Riser Replacement Example Photo No. 6



Riser Replacement Example Photo No. 7



Riser Replacement Example Photo No. 8