



Contract

between

KeySpan Gas East Corporation d/b/a National Grid

and

The Hallen Construction Co., Inc.

for

Southampton Phase III

AGREEMENT

This Agreement made and entered into on the date when signed by the party signing last in time, by and between KeySpan Gas East Corporation d/b/a National Grid (hereinafter the “Company”), a New York corporation with offices at 175 East Old Country Road, Hicksville, NY 11801, and The Hallen Construction Co., Inc. (hereinafter the “Contractor”), a New York corporation having its principal place of business at 11 Commercial St., Plainview, NY 11803 for the Work identified as:

ARTICLE 1 - CONTRACT DOCUMENTS

The following documents, including all attached schedules, appendices, exhibits or other attachments thereto, are incorporated by reference as if fully set forth herein, and are hereinafter referred to collectively and individually as the "Contract" or “Agreement”. In the event of a conflict between documents comprising this “Agreement”, they are listed below in descending order of precedence.

1. Agreement
2. Exhibit A: Non-Disclosure Agreement, 2.22.2022
3. Exhibit B: Supplemental Conditions (to the Terms and Conditions)
4. Exhibit C: Terms and Conditions, 2.18.2019
5. Exhibit D: Statement of Work (SOW) & Addendums
6. Exhibit E: Design Package
7. Exhibit F: Pricing
8. Exhibit G: Means & Methods
9. Exhibit H: Schedule
10. Exhibit I: Exception, Deviations & Clarifications
11. Exhibit J: Alternate Proposal
12. Exhibit K: Vetting Questions/Contractor Proposal Resource Workbook
13. Exhibit L: Consolidated NY & NE OQ Task List for Construction Contractors, dated
14. Exhibit M: Safety
 - a. Exhibit M-1: N-1402 Contractor Safety Requirements

15. Exhibit N: Environmental

- a. Exhibit N-1: Environmental Procedure EP6 Appendix A, 3.17.2022
- b. Exhibit N-2: Environmental Procedure EP6 Appendix B
- c. Exhibit N-3: Environmental Procedure EP6 Appendix C

16. Exhibit O: Background Check/Security

- a. Exhibit O-1: NGSP Attachment A
- b. Exhibit O-2: NGSP Attachment B1, 3.17.2022
- c. Exhibit O-3: NGSP Attachment B2, 3.17.2022
- d. Exhibit O-4: NGSP Attachment C

17. Exhibit P: Department of Transportation

- a. Exhibit P-1: SHW-101 Anti-Drug & Alcohol Procedure
- b. Exhibit P-2: DOT-FMCSA Drug Alcohol Prevention Plan
- c. Exhibit P-3: DOT-PHMSA Drug Alcohol Prevention Plan
- d. Exhibit P-4: Contractor Compliance Affidavit, rev.3, 3.17.2022

18. Exhibit Q: Ethics

- a. Exhibit Q-1: Supplier Code of Conduct, 12.2021
- b. Exhibit Q-2: Supplier Ethics Certification, 3.17.2022
- c. Exhibit Q-3: Anti-Fraud & Bribery Policy, 09.2015

ARTICLE 2 – NON-DISCLOSURE/CONFIDENTIALITY

Notwithstanding any other provision of this Agreement, the Parties recognize that they will share certain confidential, proprietary, and nonpublic information (“confidential information”) with each other in connection with this Agreement. Accordingly, all such confidential information exchanged by the parties in connection with this Agreement is governed by the Non-Disclosure Agreement dated 2.22.2022 attached to this Agreement as Exhibit A (“NDA”). The NDA shall continue to govern the Agreement notwithstanding any expiration or termination of such NDA.

ARTICLE 3 - SCOPE OF WORK

The Contractor hereby agrees to provide all materials, equipment, apparatus, tools, qualified labor, qualified supervision, services, insurance and facilities necessary to perform all Work in accordance with all the specifications and contract documents associated with this Agreement.

ARTICLE 4 - SCHEDULE

Any work to be performed under this Agreement shall be commenced and completed in accordance with the work schedules delineated in Exhibit H: Schedules, rev.3

ARTICLE 5 – AGREEMENT DURATION

This Agreement, unless lawfully terminated earlier, shall continue in force to the extent the Contractor continues to provide services under the relevant scope of services. The Company reserves the right, at its sole option, to cancel this contract at any time and for any reason.

ARTICLE 6 - CONTRACT PRICE

The contract price for the Work shall be in accordance with Exhibit F: Pricing below, and shall be equitably adjusted to cover any additions, deletions or changes to the Project pursuant to Section 6.0 of the Terms and Conditions and for any adjustments required under Section 35.0 of the Terms and Conditions.

ARTICLE 7 - NOTICES

All legal and contractual notices will be given to the designated Party by registered mail, certified mail or express (overnight) delivery service, postage prepaid, to the intended Party at the following address or at such changed address as may from time to time be designated in a notice similarly delivered or mailed to:

Contractor:

The Hallen Construction Co., Inc.
Attention: Pat Ambrosio
11 Commercial St.
Plainview, NY 11803
pambrosio@hallen.com
516-432-8300

Company:

KeySpan Gas East Corporation d/b/a National Grid
Attention: Linda Hiesiger
175 East Old County Rd.
Hicksville, NY 11801
Linda.Hiesiger@nationalgrid.com
518-433-4861

ARTICLE 8 - ENTIRE AGREEMENT

This Agreement, including all Contract Documents, constitutes the entire Agreement between the

Contract Hallen – Southampton Phase III

Company and the Contractor, with respect to the Work specified, and all previous representations relative thereto, either written or oral are hereby annulled and superseded. No modification of any of the provisions of this Agreement shall be binding unless in writing and signed by a duly authorized representative of each party hereto.

IN WITNESS WHEREOF, each party hereto has caused this Agreement to be executed by its duly authorized representative on the day and year set forth below.

Contractor:

The Hallen Construction Co., Inc.


Signature

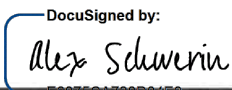
Pascale J. Ambrosio
Name

Exec. Vice President
Title

June 3, 2022
Date

Company:

KeySpan Gas East Corporation

DocuSigned by:

E6073CA738D04E8...
Signature

Alex Schwerin
Name

Category Manager
Title

June 15, 2022
Date

Exhibit F

Lump Sum Pricing - Southampton Phase 3				UOM	Rate	Est Qty	EXT
I-A.2	WBS Code NO:	NGRID WBS Classification	Firm Lump Sum Price - Total Project <i>Description of Project</i>	Lump Sum			
I-A.2.a.	08.04B.CD.01.02	Site Set Up	Transmission scope mobilization/demobilization costs	Lump Sum			
I-A.2.b	08.04B.CD.03.01	Transmission Pipe Installation	All time and material necessary to install/construct the transmission gas pipeline in accordance with National Grid standards and specifications.	Lump Sum			
I-A.2.c.	08.04B.CD.09.01	Valve Installation	Cutting in/welding of all required valves assemblies and structural components required for the transmission pipeline.	Lump Sum			
I-A.2.d.	08.04B.CC.02.01	Shut-Down	Completion of all excavations required for the shutdown and cut & cap of the 8in 124psig gas main on Halsey St. Note: The Halsey St. shutdown pit for the 124 psig cut and cap will be the same pit used for the 350psig tie-in.	Lump Sum			
I-A.2.e.	08.04B.PC.02.01	Demolition/ Decommissioning/ Removal	Removal of the 8in 124psig HDPE gas main on Halsey St., once the cut and capped is completed by National Grid. Note: The new 12in 350psig ST gas main will be installed in the lane that was previously occupied by the 8in 124psig HDPE gas main on Halsey St.	Lump Sum			
I-A.2.f.	08.04B.CC.01	Preliminary Commissioning (testing)	Successful completion of cleaning, hydrostatic testing, dewatering, drying, pigging, and ILI inspections of the gas pipeline and valves. This also includes submittal and approval of test procedures, reports, and dwgs. to National Grid.	Lump Sum			
I-A.2.g.	08.04B.CC.02.02	Gas in – Tie in	Completion of all excavations required for the tie-in of newly installed assets.	Lump Sum			
I-A.2.h.	08.04B.PC.04.01	Paving and Restoration	Full project site and laydown yard restoration. Note: The contractor will be responsible for all restoration requirements with the exception of the final mill and pave. The final	Lump Sum			

Option Pricing - Southampton Phase 3				UOM	Rate	Est Qty	EXT
II-A.			Payment Bond in the amount of the Contract Price and as outlined in Section 36.0 of the Terms and Conditions for Construction. (see below)	Lump Sum			
II-B.			Payment Bond Adjustment: rate per thousand dollars of increase or decrease in the bond coverage amount. This rate would be an adder to the total bond rate in the amount of the Contract Price. (see below)	per thousand			
II-C.			Performance Bond in the amount of the Contract Price and as outlined in Section 36.0 of the Terms and Conditions for Construction. (see below)	Lump Sum			
II-D.			Performance Bond Adjustment: rate per thousand dollars of increase or decrease in the bond coverage amount. This rate would be an adder to the total bond rate in the amount of the Contract Price. (see below)	per thousand			
II-E.			Lien Bond in the amount of the Contract Price and as outlined in Section 36.0 of the Terms and Conditions for Construction. (see below)	Lump Sum			
II-F.			Lien Bond Adjustment: rate per thousand dollars of increase or decrease in the bond coverage amount. This rate would be an adder to the total bond rate in the amount of the Contract Price. (see below)	per thousand			
II-H.	08.04B.CC.02.02	Gas in – Tie in	Tie-in support - Support National Grid during construction and installation of gas tie-ins. Level of support may vary from providing traffic protection to moving of road plates, adjusting excavation sheeting, and assisting in the installation of the tie-in pieces in the excavations during gas in.	Per day			
II-I.	08.04B.CC.02.02	Gas in – Tie in	Prefabrication of the Halsey St. tie-in pc - Fabrication and hydro pressure testing of tie-in pieces required to tie-in newly installed assets. This includes all welding, hydro testing, and installation and cutting of end caps if required.	Lump Sum			
II-J.	08.04B.CC.02.02	Gas in – Tie in	Prefabrication of the Prospect St. tie-in pc - Fabrication and pressure testing of tie-in pieces required to tie-in newly installed assets (12x8 tee, pups, caps, elbow) . This includes all welding, hydro pressure testing, and installation, and cutting of end caps if required.	Lump Sum			
II-K.	08.04B.PC.04.01	Paving and Restoration	Mill and Pave of the pipeline trench, pigging area, and project excavations, including cut backs.	Lump Sum			
II-L.	08.04B.PC.04.01	Paving and Restoration	Curb to Curb Mill and Pave of the entire project area.	Lump Sum			
		Transmission	Cathodic Protection - All efforts required for cathodic protection of the full installation. This includes leeping of pipe. coating repairs. wrapping of all welds.				

Sheet Instructions:

The bidder should add and delete the labor / equipment classifications as necessary in order to account for any resources that will be used to complete the project as provided in the drawings as well as any resources required to complete out of scope services.

Equipment Type	per hour	per day	per week	per month
Crane, up to 45 ton (Crane minimum 8 hr rental)				
Compressor, trailer-mounted 160 - 185 CF with hoses and tools				
Power Generator, 2500 watts				
Backhoe/Tractor/Digger/Loader				
Excavator				
Vacuum Truck, with tools (Vac Truck minimum 8 hr rental)				
Utility Truck, fully equipped				
Crew Truck w/ tools				
Boom Truck/Trailer				
Welding Rig, truck-mounted with equipment				
Flood Light Bank/Light Tower				
Arrow Board, illuminated				
Dump truck, > 12 CY				

Sheet Instructions:
 The bidder should add and delete the labor/equipment classifications as necessary in order to account for any resources that will be used to complete the project as provided in the drawings as well as any resources required to complete out of scope services.

Definitions	
Straight Time	Hours worked between 7am and 3:30pm (straight time ends at 3:30pm)
Saturday / extended day premium time	Hours worked on Saturday between 7am and 7pm; or any hours worked beyond an 8 hour shift
Sunday and holiday premium time	Hours worked on Sunday or federally recognized holiday between 7am and 7pm
Night Differential	Rate differential for hours worked during daytime hours of 7pm and 7am; to be applied to all day rates listed above

Labor Classification	Time Classification	UOM	Rate
Foreman	Straight Time	per Hour	
	Saturday / extended day premium time	per Hour	
	Sunday and holiday premium time	per Hour	
	Night Differential on straight time	per Hour	
	Night Differential on Saturday, extended time and Sunday	per Hour	
Laborer	Straight Time	per Hour	
	Saturday / extended day premium time	per Hour	
	Sunday and holiday premium time	per Hour	
	Night Differential on straight time	per Hour	
	Night Differential on Saturday, extended time and Sunday	per Hour	
Operating Engineer/Operator,	Straight Time	per Hour	
	Saturday / extended day premium time	per Hour	
	Sunday and holiday premium time	per Hour	

Timberman Foreman	Straight Time	per Hour
	Saturday / extended day premium time	per Hour
	Sunday and holiday premium time	per Hour
	Night Differential	per Hour
Timberman	Straight Time	per Hour
	Saturday / extended day premium time	per Hour
	Sunday and holiday premium time	per Hour
	Night Differential	per Hour
Maintenance Person (138)	Straight Time	per Hour
	Saturday / extended day premium time	per Hour
	Sunday and holiday premium time	per Hour
	Night Differential on straight time	per Hour
	Night Differential on Saturday, extended time and Sunday	per Hour
Welder and Welding Rig	Straight Time	per Hour
	Saturday / extended day premium time	per Hour
	Sunday and holiday premium time	per Hour
	Night Differential	per Hour
Welder Helper	Straight Time	per Hour
	Saturday / extended day premium time	per Hour
	Sunday and holiday premium time	per Hour
	Night Differential	per Hour
Lead Engineer	Straight Time	per Hour
	Saturday / extended day premium time	per Hour
	Sunday and holiday premium time	per Hour
	Night Differential on straight time	per Hour
	Night Differential on Saturday, extended time and Sunday	per Hour
	Straight Time	per Hour

Laborer (731)	Night Differential	per Hour	[REDACTED]
	Straight Time	per Hour	
	Saturday / extended day premium time	per Hour	
	Sunday and holiday premium time	per Hour	
	Night Differential	per Hour	

Family	Item #	Item	Description	Notes / Size	UOM	Volume Interval	Rate
Backfill	1	Backfill: Clean Fill	Furnish and place acceptable clean sand backfill from non-site excavated material. Includes removal and disposal of associated excess material. These units apply to trench excavations when the NGrid representative determines that acceptable backfill material needs to be provided and/or if contaminated soils are encountered.		/ cubic yard	≤ 100 CY per day	
Backfill	2	Backfill: Clean Fill	Furnish and place acceptable clean sand backfill from non-site excavated material. Includes removal and disposal of associated excess material. These units apply to trench excavations when the NGrid representative determines that acceptable backfill material needs to be provided and/or if contaminated soils are encountered.		/ cubic yard	100.1 - 1000 CY per day	
Backfill	3	Backfill: Clean Sand	Furnish and place acceptable clean sand backfill from non-site excavated material. Includes removal and disposal of associated excess material. These units apply to trench excavations when the NGrid representative determines that acceptable backfill material needs to be provided and/or if contaminated soils are encountered.		/ cubic yard	≤ 100 CY per day	
Backfill	4	Backfill: Clean Sand	Furnish and place acceptable clean sand backfill from non-site excavated material. Includes removal and disposal of associated excess material. These units apply to trench excavations when the NGrid representative determines that acceptable backfill material needs to be provided and/or if contaminated soils are encountered.		/ cubic yard	100.1 - 1000 CY per day	
Backfill	5	Contaminated Soils: Stockpile	Stockpile contaminated soil from areas other than those identified in the project specification.		/ cubic yard		

Excavation	10	Additional Excavation - Machine & Hand-Digging (includes length, width, or depth)	Adder rate for additional trench M&H excavation needed beyond depth as depicted on drawing profiles	Inclusive of any additional labor, machinery, and materials for excavation, backfill, sheeting, shoring, and restoration	per CY	≤ 25 per day
Excavation	11	Additional Excavation - Machine & Hand-Digging (includes length, width, or depth)	Adder rate for additional trench M&H excavation needed beyond depth as depicted on drawing profiles	Inclusive of any additional labor, machinery, and materials for excavation, backfill, sheeting, shoring, and restoration	per CY	> 25 per day
Excavation	12	Miscellaneous Pit: Timber/Steel Sheeted	Install miscellaneous timber / steel sheeting (for out of scope tie-in pits, jacking pits, misc. pits) and associated work. Includes furnishing material, labor, equipment, supporting all utilities, transportation, traffic plates, temporary restoration, and removal of sheeting. PE Stamped Drawings Required.	8 ft x 8 ft pit - to a maximum depth of 8 ft	/ cubic yard	
Excavation	13	Miscellaneous Pit: Timber/Steel Sheeted	Install miscellaneous timber / steel sheeting (for out of scope tie-in pits, jacking pits, misc. pits) and associated work. Includes furnishing material, labor, equipment, supporting all utilities, transportation, traffic plates, temporary restoration, and removal of sheeting. PE Stamped Drawings Required.	8 ft x 8 ft pit: 8.1 - 12.0 foot depth	/ cubic yard	
Excavation	14	Miscellaneous Pit: Timber/Steel Sheeted	Install miscellaneous timber / steel sheeting (for out of scope tie-in pits, jacking pits, misc. pits) and associated work. Includes furnishing material, labor, equipment, supporting all utilities, transportation, traffic plates, temporary restoration, and removal of sheeting. PE Stamped Drawings Required.	9 ft x 8 ft pit: 12.1 - 16.0 foot depth	/ cubic yard	
Excavation	15	Miscellaneous Pit: Timber/Steel Sheeted	Install miscellaneous timber / steel sheeting (for out of scope tie-in pits, jacking pits, misc. pits) and associated work. Includes furnishing material, labor, equipment, supporting all utilities, transportation, traffic plates, temporary restoration, and removal of sheeting. PE Stamped Drawings Required.	10 ft x 8 ft pit: 16.1 - 20.0 foot depth	/ cubic yard	

Excavation	20	Test Holes - Vacuum Excavated Adder	Adder rate for test hole sizes greater than 2.78 cubic yards (i.e. 5 ft by 3 ft by 5 ft deep). To be added to the unit cost of the test hole and is inclusive of pavement removal, patch etc.		/ cubic yard		
Excavation	21	Removal and Disposal of Debris (includes concrete sidewalk, concrete road paving, and blacktop paving).	This item to be utilized for the removal and proper disposal of any debris/materials found on the project due to a change in scope requested by National Grid. Covered debris/materials include buried or above grade. It includes mark out, saw cut or vermeer cut, removal and disposal of paving. Proper disposal must be performed and dump tickets transferred to National Grid.		/ cubic yard		

Family	Item #	Item	Description	Notes / Size	UOM	Rate
Welding	1	Butt Weld Steel Pipe /Tees/Fittings/Iso Joints	These units apply to complete steel welds for the pipe diameters indicated. These units to be used for both the addition and deletion to the original work scope. Includes cutting and end preparation.	1 In. dia to 2 In. dia. pipe	/EA	
Welding	2	Butt Weld Steel Pipe /Tees/Fittings/Iso Joints	These units apply to complete steel welds for the pipe diameters indicated. These units to be used for both the addition and deletion to the original work scope. Includes cutting and end preparation.	4 In. dia. pipe	/EA	
Welding	3	Butt Weld Steel Pipe /Tees/Fittings/Iso Joints	These units apply to complete steel welds for the pipe diameters indicated. These units to be used for both the addition and deletion to the original work scope. Includes cutting and end preparation.	6 In. dia to 8 In. dia. pipe	/EA	
Welding	4	Butt Weld Steel Pipe /Tees/Fittings/Iso Joints	These units apply to complete steel welds for the pipe diameters indicated. These units to be used for both the addition and deletion to the original work scope. Includes cutting and end preparation.	12 In. dia. pipe	/EA	
Welding	6	Butt Weld Steel Valves	Butt Weld Steel Valves	2 In. to 4 In. dia. Valves	/EA	
Welding	7	Butt Weld Steel Valves	Butt Weld Steel Valves	6 In. to 8 In. dia Valves	/EA	
Welding	8	Butt Weld Steel Valves	Butt Weld Steel Valves	10 In. to 12 In. dia Valves	/EA	
Welding	9	Butt Weld Steel Valves	Butt Weld Steel Valves	16 In. to 18 In. dia Valves	/EA	
Welding	10	Fillet Weld	Includes all surface preparation and welds	0.5 In. to 1 In. dia Fitting	/EA	
Welding	11	Fillet Weld	Includes all surface preparation and welds	1 In. to 2 In. dia Fitting	/EA	
Welding	12	Fillet Weld	Includes all surface preparation and welds	4 In. dia Fitting	/EA	

Family	Item #	Item	Description	Notes	UOM	Volume Interval	Rate
Restoration	1	Concrete Curbing	Curbing, concrete up to 18"		Per LF		
Restoration	2	Sod	Prices include all labor and furnishing of material.		Per SF		
Restoration	3	Hydro Seed	Prices include all labor and furnishing of material.		Per SF		
Restoration	4	Topsoil Only – 4" Lift	Prices include all labor and furnishing of material.		Per SF		
Restoration	5	Pedestrian Ramp	Pedestrian Ramp with curbing, including non-skid insert		Each		
Restoration	6	Mill and Pave	Mill and Pave (up to 2" depth) 50.1 to 100 SY		Per SY	< 100 SY	
Restoration	7	Mill and Pave	Mill and Pave (up to 2" depth) 100.1 to 500 SY		Per SY	100.1 to 500 SY	
Restoration	8	Mill and Pave	Mill and Pave (up to 2" depth) 500.1 to 1,000 SY		Per SY	500.1 to 1000 SY	
Restoration	9	Mill and Pave	Mill and Pave (up to 2" depth) > 1,000 SY		Per SY	> 1000 SY	
Restoration	10	Concrete, reinforced	Concrete, reinforced, sidewalk/driveway up to 7"		Per SF		
Restoration	11	Concrete, reinforced	Concrete, reinforced, > 7" to 12"		Per SF		
Restoration	12	Concrete, nonreinforced	Concrete, nonreinforced, up to 7"		Per SF		
Restoration	13	Concrete, nonreinforced	Concrete, nonreinforced, > 7" to 12"		Per SF		
Restoration	14	Concrete, nonreinforced	Concrete, nonreinforced, sidewalk/driveway up to 7"		Per SF		
Restoration	15	Saw-Cutting concrete/asphalt	Thickness ≤ 12in		Per LF		
Restoration	16	Saw-Cutting concrete/asphalt	Thickness 13 to 18		Per LF		
Restoration	17	Saw-Cutting concrete/asphalt	Thickness > 18		Per LF		
Restoration	18	Road Plates - Rental	Total steel plate rental rate for a period exceeding 90 days use at the tie-in pits or misc. pits installed.	Steel plate rental rate - Daily Rate	/day/pit		
Restoration	19	Road Plates - Rental	Total steel plate rental rate for a period exceeding 90 days use at the tie-in pits or misc. pits installed.	Steel plate rental rate - Weekly Rate	/week/pit		
Restoration	20	Road Plates - Rental	Total steel plate rental rate for a period exceeding 90 days use at the tie-in pits or misc. pits installed.	Steel plate rental rate - Monthly Rate	/month/pit		
Restoration	21	Road Plates - Rental	Total steel plate rental rate for a period exceeding 90 days use at the tie-in pits or misc. pits installed.	Steel plate rental rate - Daily Rate	/day/pit		

Family	Item #	Item	Description	Notes / Size	UOM	Volume Interval	Rate	Qty	Ext
Complete System	3	Add / Delete System	Add/Delete Steel System, Paved Roads - 12" 124# Steel Pipe	All inclusive unit price to install pipe at "Bid" defined depths. Includes, but not limited to, costs for test holes, excavation, pipe installation, backfill, dewatering, etc. Pavement removal and temporary pavement are to be included in this price. Dewatering is included, NOT including a well point system. Permanent Paving will be covered by the applicable unit price.	LF				
Complete System	4	Add / Delete System	Add/Delete Steel System, Paved Sidewalks - 12" 124# Steel Pipe	All inclusive unit price to install pipe at "Bid" defined depths. Includes, but not limited to, costs for test holes, excavation, pipe installation, backfill, dewatering, etc. Pavement removal and temporary pavement are to be included in this price. Dewatering is included, NOT including a well point system. Permanent Paving will be covered by the applicable unit price.	LF				
Complete System	5	Add / Delete System	Add/Delete Steel System, In Unpaved areas - 12" 124# Steel Pipe	All inclusive unit price to install pipe at "Bid" defined depths. Includes, but not limited to, costs for test holes, excavation, pipe installation, backfill, dewatering, etc. Pavement removal and temporary pavement are to be included in this price. Dewatering is included, NOT including a well point system. Permanent Paving will be covered by the applicable unit price.	LF				
				Note: These units are intended to capture addition or deletion of pipeline from the contract design drawings. If the route in the contract dwgs requires the roadway, sidewalk, or grass area to be disturbed, that cost should be included in the lump sum bid.					

Prices shall include but shall not be limited to the following:

- * all labor (including supervision), equipment, transportation and material other than materials provided by National Grid,
- * securing the mark-out from ONE-CALL as the excavator,
- * verification of mark-outs at job site prior to the start of work in accordance with Code Rule 753,
- * all test-holes that are required to verify utilities in the path of construction per Code Rule 753,

Family	Item #	Item	Description	Notes	UOM	Volume Interval	Rate
Corrosion Control	1	Test Station	1 lead, 2 anodes	Shall be used to compensate the contractor for the the installation of additional test stations including anodes and lead wire connections to gas main piping. Units to be used for test stations not included on the drawings and also to be used as a credit for test stations not installed by the contractor. This unit is to include excavation, backfill, temporary restoration, welding of anodes, and installation of a test box as per National Grid Standards and Technical Instructions. Materials to be supplied by National Grid.	each		
Corrosion Control	2	Test Station	2 lead, 4 anodes	Shall be used to compensate the contractor for the the installation of additional test stations including anodes and lead wire connections to gas main piping. Units to be used for test stations not included on the drawings and also to be used as a credit for test stations not installed by the contractor. This unit is to include excavation, backfill, temporary restoration, welding of anodes, and installation of a test box as per National Grid Standards and Technical Instructions. Materials to be supplied by National Grid.	each		

Family	Item #	Item	Description	Notes / Size	UOM	Volume Interval	Rate
Miscellaneous	1	Silt fence	Furnish, install & remove silt fence		Per LF		
Miscellaneous	2	Hay bale	Furnish, install & remove hay bale		Each		
Miscellaneous	3	Lean Concrete Bedding	Installation of a lean concrete bedding over gas facilities as directed by National Grid personnel. Check with Project Engineering for Maximum Rating of concrete not to exceed.		per CY		
Miscellaneous	4	Concrete Valve Support	Installation of a lean concrete bedding under the 12" steel ball valves as support in lieu of the concrete bases and saddles. Check with Project Engineering for Maximum Rating of concrete not to exceed.		per CY		
Miscellaneous	5	Drain Basin Cleaning	This item is strictly for the possibility that Suffolk County DPW may require the drain basins on their roads to be cleaned out during or before final restoration. Vacuum Trucks are an acceptable method for cleaning.		Each		
Miscellaneous	6	Water service Offset	Relaying/Offset of water services up to 1.5in not shown in the contract dwgs. Note: Offsetting any water services shown in the contract dwgs will not be subject to additional compensation.		Each		
Miscellaneous	7	Markup	% Markup for materials or services not having units or directed by National Grid		%		

Vertical Offset Matrix

Pipe Diameter = 12 inches		Additional Depth of Vertical Offset (ft)				
Offset Length (ft)	0.0 - 2.0	2.1 - 4.0	4.1 - 6.0	6.1 - 8.0	8.1 - 10.0	
≤ 10.0						
10.1 - 15.0						
15.1 - 20.0						
20.1 - 25.0						
25.1 - 30.0						
Adder per LF of offset length greater than 30 ft						

This is an all inclusive unit rate covering all additional costs associated with an unplanned vertical offset. Includes all inefficiencies, delays, and activities required to install a vertical offset from layout to final restoration. The offset shall include fusions and welds, CWI inspection and NDE. Unit rate assumes a minimum of (4) elbows, (2) 3x diameter vertical pups, and (1) 5x diameter horizontal pup.

Unit of Measure is Lump Sum.

Unit of Measure for Adder is PER LF and to be added to the 25.1-30.0 unit rate.

Horizontal Offset Matrix

Offset Length (LF)	Pipe Diameter
	12
≤ 10.0	\$
10.1 - 20.0	\$
20.1 - 30.0	\$
30.1 - 40.0	\$
40.1 - 50.0	\$
Adder per LF of offset length greater than 50 ft	\$

This is an all inclusive unit rate covering all additional costs associated with an unplanned horizontal offset. This rate is additional to the lump sum value provided for the original design and includes all inefficiencies, delays, and activities required to install a horizontal offset from layout to final restoration. The offset shall include fusions and welds, CWI inspection and NDE. Unit rate assumes a minimum of (4) elbows, (3) 5x Diameter horizontal pups.

Unit of Measure is Lump Sum.

Unit of Measure for Adder is PER LF and to be added to the 40.1-50.0 unit rate.