



AGREEMENT

BETWEEN

The KeySpan Gas East Corporation *d/b/a* NATIONAL GRID

AND

ASPLUNDH CONSTRUCTION CORPORATION

FOR

**PIT EXCAVATIONS & RESTORATION SERVICES TO SUPPORT
MODIFICATION OF EXISTING 24", 350 PSIG GAS MAIN**

NASSAU COUNTY, NEW YORK

**SAP PURCHASE ORDER NO.
3200XXXXXX**

EFFECTIVE June 10, 2019

AGREEMENT

This Agreement made and entered into is effective October 11, 2018, by and between The Keyspan Gas East Corporation *d/b/a* ("National Grid"), hereafter referred to as "Owner" and Asplundh Construction Corporation ("Contractor"), a New York corporation, having its principal place of business at 93 Sills Road, Yaphank, N

ARTICLE 1 - SCOPE OF WORK

The Contractor hereby agrees to provide all labor, materials, equipment, apparatus, tools, services, and facilities and everything else requisite and proper and to perform all the Work and do all things necessary to successfully complete the project in its entirety; all in accordance with this Agreement. The general scope of work consists of Pit Excavations & restoration services to support modification of existing 24", 350 PSIG gas main. This complete scope of work will be referred to as "The Project" in the remainder of this document, details of which are incorporated in this agreement and the referenced documents therein, including but not limited to all documents and National Grid's standards and practices referenced therein.

ARTICLE 2 - 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 Documents" or the "Agreement":

1. Agreement
2. Schedule A – Contract Specification/SOW
3. Schedule B – Vetting Questions/Contractor Proposal Resource Workbook
4. Schedule C – Project Schedule
5. Schedule D – Means & Methods
6. Schedule E – Pricing Workbook
7. Schedule F – 0700 Terms & Conditions Rev. Feb 18, 2019
8. Schedule G – Safety
9. Schedule H– Environmental

10. Schedule I – Background/Security
11. Schedule J – DOT Documents
12. Schedule K - Ethics

ARTICLE 3 - NOTICES

Notices required or permitted under this Agreement shall be addressed to:

Contractor:

Asplundh Construction Corp.

93 Sills Road

Yaphank, NY, 11980

Attention: Frank Giordano

Owner:

The Keyspan Gas East Corporation
d/b/a National Grid

175 E. Old Country Road

Hicksville, NY 11801

Attention: Christopher Roden


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.

Asplundh Construction LLC

The Keyspan Gas East Corporation d/b/a National Grid

By: Frank V. Giordano

By: DEAN M LATTOF

Sign: 

Sign: 

Title: Senior Vice President

Title: CATEGORY MANAGER

Date: June 28, 2019

Date: 7/1/2019

SCHEDULE A
CONTRACT SPECIFICATIONS / SCOPE OF WORK



A1 - DBILI Phase II_BidSpec_3.5.pdf



A3 - Dutch Broadway Locations 4.8.2019_Rev.1.pdf



A4 - Dutch Broadway Phase 2 - IFB Excavations Only.pdf

SCHEDULE B

Vetting Questions/Contractor Proposal Workbook



B1 - Asplundh Contractor Vetting Questions.pdf



B2 - Asplundh Contractor Resource Workbook.pdf

SCHEDULE C

Project Schedule



C - Asplundh Bid Schedule.pdf

SCHEDULE D

Means & Methods



D - Asplundh Methodology.pdf

SCHEDULE E

Pricing Workbook



E1 - Dutch Broadway Lump Sum BAFO_ACL_5-15-19.pdf



E2 - Apslundh Unit Pricing PW.pdf

LUMP SUM BID PRICING APPENDIX B-2 DUTCH BROADWAY ILI – ELMONT- GARDEN CITY NY								
§	Sub §	Sub § Description	Item#	Item Description	Include Option?	UOM	Unit Price	Ext Price
I	I-A.	Firm Lump Sum Price (equal to the sum of I-A.2.a through I-A.2.g)	I-A.1	Firm Lump Sum Price - Total Project for Sheeted excavations to support the installation of 2 Valves pits, 3 x 24" Stopple Fitting pits, and 8 Charging Point Pits. Civil Work, Construction Support and full restoration as described in section I.		Lump Sum		
	I-A.2 (Note: Total Must Equal Firm Lump Sum Price Above)	Mobilization & Pipe Delivery/Stringing	I-A.2.a.	Contractor Mobilization.		Lump Sum		
		Civil Construction and Installation of Fittings	I-A.2.b.	Sheeted excavations to support the installation of 2 Valves, 3 x 24" Stopple Fittings, and 8 Charge Point Pits at locations provided in project specifications.		Lump Sum		
			I-A.2.c	Vaults and lids with manhole cover installation at locations provided in project specifications.		Lump Sum		
			I-A.2.d.	Installation of concrete support for Valves, Tees and IJs at locations provided in project specifications.		Lump Sum		
			I-A.2.e.	Construction support throughout the project duration to complete the installation and Tie-ins of 3 x 24" Valves, 3 x 24" Stopple Fittings, and 8 charge stations. Use this unit to account for 30, 12 hour days of support. Additional days will be billed on a daily unit basis		Lump Sum		
			I-A.2.f.	Around the Clock construction support during the shutdown and Tie-ins. Use this unit to account for 6, 16 hour days of support. Additional days will be billed on a daily unit basis.		Lump Sum		
		Restoration Work	I-A.2.k.	Paving & Restoration.		Lump Sum		

* Option Prices to be determined by the Project Manager at a later time. If all options are selected price is not to exceed				
I-A.2.g.	Option 1 of Valve 2735 replacement		Option Price	\$
I-A.2.h.	Option 2 of Valve 2735 replacement		Option Price	
I-A.2.i.	Option 3 of Valve 2735 replacement		Option Price	
I-A.2.j.	Performance of Corrosion work at all locations, including removal of Coal Tar wrapping, installation of anodes and test stations, and wrapping of pipe including the installation of FRP sheilds at all charge points and stopple fittings due to the use of flowable fill.		Option Price	

BID APPENDIX B-7 DUTCH BROADWAY/MODIFY FOR ILI - Unit Prices								
\$	Sub \$	Sub \$ Description	Item#	Work Description	UOM	Unit Price	Ext Price	Est Qty
\$1 - Clean Fill These units apply to trench excavations when the NGrid representative determines that acceptable backfill material needs to be provided.	1.1	Furnish and place acceptable clean sand backfill from non-site excavated material. Includes removal and disposal of associated excess material. This unit applies to trench work only.	1.1.1	Clean Fill - 24 in. Pipe (common trench) (UP TO 10,700 FEET)	/Trench Ft			100
	1.2	Furnish & place acceptable washed sand backfill obtained from non-site excavated material. Includes removal and disposal of associated unsuitable fill.	1.2.1	Furnish & place acceptable washed sand backfill obtained from non-site excavated material. Includes removal and disposal of associated unsuitable fill. UP TO 100 CUBIC YARDS.	/CY			50
			1.2.3	Furnish & place acceptable washed sand backfill obtained from non-site excavated material. Includes removal and disposal of associated unsuitable fill. Greater Than 1000 CUBIC YARDS.	/CY			200
	1.3	Handling of Contaminated Soil per NGrid Specifications	1.3.1	Stockpile contaminated soil from areas other than those identified in the project specification.	/CY			10
			1.3.2	Disposal of contaminated soil from project site at a DEC certified disposal facility	/CY			25
\$2 - Temporary Paving These units apply to the installation of temporary paving above the scope of work identified in the lump sum bid. All inclusive price to furnish and install hot and/or cold patch.	2.1	Additional Temporary Paving	2.1.1	2 in. thickness (hot patch)	/SY			100
			2.1.2	4 in. thickness (hot patch)	/SY			100
\$3 - Obstructions Unit prices shown below are for increased work scope connected with unknown obstructions not shown on prints or that cannot be field identified as a potential interference.	3.1	These unit prices cover excavating, supporting and providing clearance and installation at the obstruction location. This unit also covers vertical excavations to maintain a minimum of 12" clearance from obstruction. Note: Prices shown above are for additions and deletions. If a relocation of the pipe route eliminates going under a "BID" or a designed profile obstruction, NGrid shall receive a credit in the appropriate amount stated above.	4.1.1	Separate obstruction up to 18 inch diameter or width	/EA			10
			4.1.2	Separate obstruction over 18 inch up to and including 36 inch diameter or width.	/EA			10
			4.1.3	Separate obstruction over 36 inch diameter or width and up to and including 60 inch diameter or width.	/EA			10
\$4 - Additional Test Holes It is understood that this item will cover only the additional test holes NOT covered under the Lump Sum Bid. The lump sum price covers test holes for all mains, ducts, services, pipes, structures, etc. that are shown on the drawings or can be deducted.	4.1	Size of additional test holes is approx. 5 ft by 4 ft by 5 ft deep. The unit price includes pavement removal, patch etc.	6.1.1	Additional Test Holes	/EA			20
	4.2	Unit Price to expand an existing test hole	6.2.1	Expand an existing test hole up to two feet distance from existing test hole	/EA			10
			6.2.2	Expand an existing test hole from two feet to four feet.	/EA			10
			6.2.3	Expand an existing test hole from four feet to six feet	/EA			10
	4.3	Unit price for Vacuum Excavated Test Hole	6.2.1	Vacuum Excavated test hole	/EA			10
\$5 - Miscellaneous Pits Weld Pits - An all inclusive unit price to excavate, sheet and steel plate an 8ft x 15 ft tight sheeted weld pit, to a maximum of 10 ft in depth, within the pavement area.	5.1	This unit price covers pits not included on drawings, specifications or bid documents, and must include backfilling and pulling sheeting. This unit price covers dewatering by means of mud suckers, maximum of 3 pumps.	7.1.1	Installation of Weld Pits in Paved Roadway or sidewalk	/pit			1
	5.2	Install miscellaneous timber / steel sheeting (for out of scope tie-in pits, jacking pits, misc. pits) and associated work. Includes furnishing material, labor, equipment, transportation, and removal of sheeting.	7.2.1	Install Miscellaneous Timber/Steel Sheeting - to a maximum depth of 10 ft	/CY			1
			7.2.2	Install Miscellaneous Timber/Steel Sheeting - greater than 10 ft	/CY			1
\$6 - Road Plates Total steel plate rental rate for a period exceeding 60 days use at the tie-in pits or misc. pits installed.	6.1	Road Plates	8.1.1	Steel plate rental rate - Daily Rate	/day/pit			5
			8.1.2	Steel plate rental rate - Weekly Rate	/week/pit			5
			8.1.3	Steel plate rental rate - Monthly Rate	/month/pit			2
\$7 - Removals The unit prices below cover out of scope requirements for the removal of paving. It includes markout, sawcut or vermeer cut, removal and disposal of paving.	7.1	Unit price for Pavement Removal	9.1.1	Removals - Concrete Sidewalk	/SY			20
			9.1.2	Removals - Concrete road paving	/SY			10
			9.1.3	Removals - Blacktop paving	/SY			20
	7.2	Unit Price for out of scope requirements for the removal and disposal of debris caused by others, such as scrap metal, construction or residential debris.	9.2.1	Removals - Debris	/CY			20
\$8 - Protection for Reduced Cover Contractor to furnish and install one inch thick steel plate as protection over the gas main installed at reduced cover when directed by NGrid.	8.1	Steel Plate Installation	10.1.1	One Inch Steel Plate Installed	/SF			10
\$9 - Offset Installation Expense			11.1.1	Vert. Offset Installation - price per 24" Elbow	/24" Stl El			6

BID APPENDIX B-7
DUTCH BROADWAY/MODIFY FOR LI - Unit Prices

§	Sub §	Sub § Description	Item#	Work Description	UOM	Unit Price	Ext Price	Est Qty
Covers incremental costs associated with all inefficiencies and resultant delays when out of scope offsets are installed. Does not include fusions / welds which are covered under Unit 3. The application of this unit is limited to unplanned offsets only, necessitated by obstructions during actual excavation for main installation, where no prior mark out, drawing, test hole or other prior information could have been available.	9.1	All inclusive unit price covering installation from layout to backfill for vertical offset.	11.2.3	Horiz. Offset Installation - price per 24" Elbow	/24" Std EI			6
§10 - Permanent Paving Unit Prices Unit prices shown below are for increased work scope for permanent paving and restoration items.	10.1	Permanent Paving	12.1.1	Perm. Paving - 1-1/2" Blacktop	/SY			1
			12.1.2	Perm. Paving - 2" Blacktop	/SY			1
			12.1.3	Perm. Paving - 4" Blacktop	/SY			1
			12.1.4	Perm. Paving - 4" NYS Type 3 Dense Binder Base and 2" 6F Top Mix	/SY			1
			12.1.5	Perm. Paving - 6" NYS Type 3 Dense Binder Base and 2" 6F Top Mix	/SY			1
			12.1.6	Perm. Paving - 10" NYS Type Dense Binder Base and 2" 6F Mix Top	/SY			1
			12.1.7	Perm. Paving - 6" RCA Sub Base Mix - NYS Quality	/SY			1
			12.1.8	Perm. Paving - 6" RCA Sub Base Mix - County/Town Mix	/SY			1
			12.1.9	Perm Paving - 4" Concrete (no steel)	/SY			1
			12.1.10	Perm. Paving - 6" Concrete (reinforced)	/SY			1
			12.1.11	Perm. Paving - 8" Concrete (reinforced)	/SY			1
			12.1.12	Perm. Paving - 6" x 18" curb	/LF			1
			12.1.13	Perm. Paving - 18" x 6" x 24" Monolithic Concrete Curb & Gutter	/LF			1
			12.1.14	Perm. Paving - Type III Concrete with Calcium Chloride (18502.6028)	/CY			1
	10.2	Testing	12.2.1	Soil compaction testing services from NY State / County approved consultant to verify municipality requirements	/Day			5
10.3	Suffolk / Nassau County pavement restoration in those area where offsets move into the pavement area or out of scope pavement areas. This price will include a square yard price that will include 1. Milling of 2" of existing pavement, 2. Install 2" Top Coat, 3. Sealnt of all seams.	12.3.1	Final pavement restoration	/SY			100	
		12.3.2	Thermoplastic Line Striping	/linear foot			100	
10.4	Suffolk County DPW asphalt tip-up curb replacement as detailed in section --- of this Bid Strategy.	12.4.1	Asphalt Tip-Up Curb	/linear foot			100	
§11 - SOD/ SEED AND TOPSOIL Unit prices for increased work scope for topsoil and seeding.	11.1	Prices include all labor and furnishing of material.	13.1.1	Sod	/ square foot			50
			13.1.2	Seed	/ square foot			100
			13.1.3	Hydro Seed	/ square foot			100
			13.1.4	Topsoil Only - 4" Lift	/ square foot			100
§12 - DEWATERING In order to control normal dewatering conditions, the contractor is liable for the use of two pumps per day for gas main installations. This unit price is to relieve the burden for dewatering above the use of these 2 pumps.	12.1	Mudsuckers and Pumps	14.1.1	Cost of Additional Pump above the 2 pumps stated above.	/ daily rate			1
			14.1.2	Cost for the operation of up to 5 pumps per day.	/ daily rate			1
	12.2	Well Point System	14.2.1	Daily rate to setup and operate Well Point System. Includes all labor and equipment.	/ daily rate			1
§13 - CORROSION CONTROL Unit price for out of scope work for corrosion and cathodic protection work.	13.1	Installing Anodes	15.1.1	Install 17 lb. anode with test station	/ anode			10
			15.1.2	Install 17 lb. anode w/o test station	/ anode			10
§14 - DEC/ ENVIRONMENTAL REQUIREMENTS Unit Prices for the installation of hay bales and silt fencing due to environmental factors.	14.1	Unit Prices for the installation of hay bales and silt fencing due to environmental factors.	18.1.1	Install silt fence and hay bale	/ day			2
			18.1.2	Install hay bale only	/ft			100
			18.1.3	Install silt fence only	/ft			100
§15 - Lean Concrete Bedding Installation of a lean concrete bedding	15.1	Over gas facilities as directed by NGrid personnel. Maximum rating of concrete not to exceed 500 psi.	13.1.1	Lean Concrete Bedding	/CY			50
	15.2	Under the 24" steel ball valves as support in lieu of the concrete bases and saddles. Maximum rating of concrete not to exceed 1500 psi.	19.2.1	Concrete Valve Support	/CY			15

BID APPENDIX B-7
DUTCH BROADWAYMODIFY FOR ILI - Unit Prices

§	Sub §	Sub § Description	Item#	Work Description	UOM	Unit Price	Ext Price	Est Qty
§16 - SCDPW - 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 final restoration. Vacuum Trucks are an acceptable method for cleaning.	16.1	This item is strictly for the possibility that Suffolk County DPW may require the drain basins on their roads to be cleaned out during final restoration. Vacuum Trucks are an acceptable method for cleaning.	20.1.1	Drain Basin Cleaning	/ each			24
§17 - Hand Digging Around Tree Roots Unit prices shown below are for increased work scope associated with hand digging to protect the root system of any City-owned trees in accordance with New York City Department of Parks and Recreation Forestry Protocol.	17.1	Hand Excavation	21.1.1	Hand Excavation	/CY			10
§18 - Daily Crew Rate This item is strictly for the possibility that additional support will be needed by in house construction. This should be allotted as a daily rate assuming 12 hours. Crew should consist of an operator, laborer and timberman.	18.1	Daily Crew Rate	21.1.1	Daily Crew Rate	/ 12 hr day			15
						Total:		

SCHEDULE F

NATIONAL GRID USA AND AFFILIATED COMPANIES

TERMS AND CONDITIONS

FOR

CONSTRUCTION PURCHASE ORDERS

DOCUMENT NO. 00700, REVISED 2/18/2019



F - 700 Form Construction Terms and Conditions rev. February 18 2019.pdf

Schedule G
Safety Requirements



G - N-1402 - Contractor Safety Requirements.pdf

Schedule H

Environmental Requirements



H1 - EP6_AppA_ACL_4-11-19.pdf



H2 - EP6_AppB.pdf



H3 - EP6_AppC.pdf



H4 - EP6_Contracted_Services_5-17.pdf

Schedule I
Background/Security



NGSP 6 Attachment A 5-29-17.pdf



I2 - NGSP6 Attachment B-1_ACL_4-12-19.pdf



I3 - Attachment B-2_ACL_4-12-19.pdf



NGSP 6 Attachment C 2-8-18.pdf

Schedule J

DOT Documents



J1 - SHW 101.pdf



J2 - DOT-FMCSA Drug Alcohol Prevention Plan.pdf



J3 - DOT_PHMSA_Drug_Alcohol_Prevention_Plan.rev.2018.pdf



J4 - Contractor Compliance Affidavit_ACL_4-12-19.pdf

Schedule K

Ethics



K1 - Supplier Code of Conduct_May 2018.pdf



K2 - Supplier Ethics Certification_ACL_4-12-19.pdf



K3 - Anti Fraud and Bribery Practices Policy.pdf



K4 - EEOCRequirements.pdf