



Contract

between

National Grid USA

and

Asplundh Construction Corporation

for

Northwest Nassau Reinforcement Project

Roslyn Heights and Old Westbury, NY

April 7, 2017

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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 (Owner), a New York corporation with offices at 25 Hub Drive, Melville, NY 11747, and Asplundh Construction Corp. (Contractor), a New York corporation, having its principal place of business at 93 Sills Road, Yaphank, NY 11980, for the Work identified as:

NATIONAL GRID

Northwest Nassau Reinforcement Project

ARTICLE 1 - SCOPE OF WORK

The Contractor hereby agrees to provide all materials, equipment, apparatus, tools, labor, Services, and facilities necessary to perform the Northwest Nassau Reinforcement Project, in Roslyn Heights and Old Westbury, NY, in accordance with all of the specifications and Contract Documents associated with this Agreement.

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":

Agreement
0700 Construction Terms and Conditions
Non-Disclosure Agreement
Asplundh's Certificate of Insurance
Asplundh's Means & Methods
Asplundh's Equipment-Resource-Loading
Asplundh's Clarification Responses
Asplundh's Vetting Question Responses
Asplundh's Supplier Ethics Certification
Asplundh's Schedule
Specifications & Drawings:
Exhibit A1_ _G_16_4_NWN_BidSpec_Rev1
Exhibit A2_ Northwest Nassau Phase 1 Pipeline Bid
Strategy_Rev3 Exhibit A3_ 2016-2019 ILI General Spec
Exhibit A4_NW Nassau - Caliper - IMU Insp – Final
Exhibit A5_NG_Nassau County_Tree Assess_FINAL_112916
Exhibit A6_Northwest Nassau IFB
Exhibit A7_177533-C-101
Exhibit A8_Required Permits – NWN
Exhibit A9_030020-PL (Welding Policy)

Exhibit A:

| | |
|-------------|--|
| | Exhibit A10_NWNassau_FullDepthRestoration |
| | Exhibit A11_Wave 1_PrebidMeetingNotes |
| | Exhibit A12_Wave1_Q&A_NWNassau |
| | Exhibit A13_SOW NW Nassau Addendum_Final |
| | Exhibit A14_NW Nassau Payment Schedule as per Lump Sum |
| | Exhibit A15_NWN Project Schedule Template - 3-9-17 |
| Exhibit B1: | N-1402_Contractor Safety Requirements |
| Exhibit B2: | API 1173 |
| Exhibit C1: | SHW-101 Anti-Drug & Alcohol Procedure |
| Exhibit C2: | Contractor Compliance Affidavit |
| Exhibit C3: | DOT-PHMSA Drug Alcohol Prevention Plan |
| Exhibit C4: | DOT-FMCSA Drug Alcohol Prevention Plan |
| Exhibit D: | Equal Employment Opportunity Compliance Requirements |
| Exhibit E: | Exceptions & Deviations |
| Exhibit F1: | Environmental Procedure EP6_Appendix A |
| Exhibit F2: | Environmental Procedure EP6_Appendix B |
| Exhibit F3: | Environmental Procedure EP6_Appendix C |
| Exhibit G1: | Security Procedure NGSP-6, Attachment A |
| Exhibit G4: | Security Procedure NGSP-6, Attachment C |
| Exhibit H1: | Asplundh's Lump Sum Pricing |
| Exhibit H2: | Asplundh's Unit Pricing |
| Exhibit H3: | Asplundh's Subcontractor List |

ARTICLE 3 - SCHEDULE

Any Work to be performed under this Agreement shall be commenced and completed in accordance with the work schedule delineated in Asplundh's Schedule below.

ARTICLE 4 - CONTRACT PRICE

The Contract Price for the Work shall be in accordance with Exhibit H 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 5 - NOTICES

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

Contractor:

James McNulty
Asplundh Construction Corp.
93 Sills Road
Yaphank, NY 11980
Ph: 516-779-5654
jmcnulty@asplundh.com

Owner:

Maurice Bruce
National Grid
25 Hub Drive
Melville, NY 11747
Ph: 631-770-3429
Maurice.bruce@nationalgrid.com

Contract with Asplundh Construction Corp. – Northwest Nassau


ARTICLE 6 - ENTIRE AGREEMENT

This Agreement, including all Contract Documents, constitutes the entire Agreement between the Owner 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:
Asplundh Construction Corp.

Owner:
KeySpan Gas East Corporation
d/b/a National Grid



Signature

Frank V. Giordano

Name

Senior Vice President

Title

4/21/17

Date



Signature

Vivienne Bracken

Name

SVP CPO

Title

19 May 2017

Date

Terms and Conditions











| | | | | |
|--|---|--|---|---|
|  700 Form Construction Terms a |  NDA w CEII CI and PI (09102015) - ACC. |  Certificate of Insurance - National I |  Methodology for Nassau Gas Reinfor |  NG BID Project Equipment and Resou |
|  NG BID Project Equipment and Resou |  Asplundh_Clarificatio nResponses_NW Nas |  Gas Construction Complex Project Vetti |  Supplier Code of Conduct - Certificatio |  NW Nassau Gas Project Schedule - AC |

Exhibit A: Specifications & Drawings
















| | | | | |
|---|--|---|---|---|
|  Exhibit A1_G_16_4_NWN_Bi |  Exhibit A2_Northwest Nassa |  Exhibit A3_2016-2019 ILI Ge |  Exhibit A4_NW Nassau - Caliper - IM |  Exhibit A5_NG_Nassau Coun |
|  Exhibit A6_Northwest Nassa |  Exhibit A7_177533-C-101.pc |  Exhibit A8_Required Permits - NWN.pdf |  Exhibit A9_030020-PL(Weld |  Exhibit A10_NWNassau_Fulll |
|  Exhibit A11_Wave 1_PrebiddingNote |  Exhibit A12_Wave1_Q&A_N |  Exhibit A13_SOW NW Nassau Addendu |  Exhibit A14_NW Nassau Payment Sch |  Exhibit A15_NWN Project Schedule Terr |

Exhibit B: Safety Requirements



Exhibit
B1_N-1402_Contract



Exhibit B2_API
1173.pdf

Exhibit C: Anti-Drug and Alcohol Requirements



Exhibit
C1_SHW-101_Anti-D



Exhibit
C2_Contractor Comp



Exhibit
C3_DOT-PHMSA Drug



Exhibit
C4_DOT-FMCSA Drug

Exhibit D: EEOC Requirements



Exhibit D_EEOC
Requirements.pdf

Exhibit E: Exceptions & Deviations

Please use this form to explicitly document and submit any exceptions or deviations from the requirements, Terms and Conditions, or anything included in this RFP. Please be sure to save this document with a filename that clearly identifies your company name.

Scope: Installation of approximately 9,615 feet – 24” steel 350 psi gas main.

Company Name: Asplundh Construction Corporation.

Clearly identify any exceptions and deviations by referring to the Section # and Subsection # clearly stating the item that cannot be met:

None.

Exhibit F: Environmental Procedure EP6



Exhibit

F1_EP6_Appendix A.



Exhibit

F2_EP6_Appendix B.



Exhibit

F3_EP6_Appendix C.

Exhibit G: Security Procedure NGSP-6



Exhibit G1_NGSP 6
Attachment A.pdf



Exhibit G2_NGSP 6
Attachment B-1.pdf



Exhibit G3_NGSP 6
Attachment B-2.pdf



Exhibit G4_NGSP 6
Attachment C.pdf

Exhibit H: Asplundh Construction Corp. Pricing



Asplundh_Exhibit
H1_Pricing_Lump Sum



Asplundh_Exhibit
H2_Pricing_Unit Price



Asplundh_Exhibit
H3_Pricing_Sub List_I

**NORTHWEST NASSAU REINFORCEMENT – PHASE 1
ROSLYN HEIGHTS & OLD WESTBURY, NEW YORK
PROJECT 90000177533**

G-16-04

OCTOBER 2016

APPENDIX A

MATERIALS SUPPLIED BY THE CONTRACTOR

The following materials shall be supplied by the Contractor:

1. Any and all temporary landscaping, restoration and pavement materials including but not limited to: hay bales, silt fencing, fencing, asphalt, seeding, hydro seeding, sod, etc.
2. Any and all permanent landscaping, restoration and pavement materials including but not limited to: asphalt, traffic tape (paint), fencing, concrete, hydro seed, top soil, plants, etc.
3. Any and all traffic maintenance equipment materials including but not limited to: cones barriers, fencing, warning signs, etc.
4. Any and all safety related tools and materials including but not limited to: personal safety equipment, sheeting, barricades, signs, etc.
5. Any and all trench maintenance tools and materials including but not limited to: sheeting, bracing, hay bales, silt fencing, etc.
6. Any and all pipeline cleaning and inspection tools and materials including but not limited to: wire, rope, brushes, pigging materials, launching and receiving assemblies, gauges and instrumentation, etc.
7. Any and all pipeline testing materials and equipment including but not limited to: gauges, control lines, water, pigs, hoses, jacking equipment etc.
8. Any and all pipeline welding materials including but not limited to welding machines, personal safety items, fencing, warning tapes, line up clamps, welding wire/rods, etc.
9. Any and all dewatering materials and equipment including but not limited to: pumps, hay bales, hoses, WellPoint piping, etc.

APPENDIX B

MATERIALS SUPPLIED BY NATIONAL GRID

PROJECT MANAGEMENT BID STRATEGY

APPENDIX B

NORTHWEST NASSAU GAS REINFORCEMENT PHASE 1

POWERHOUSE RD / OLD WESTBURY RD

(NORTH SERVICE ROAD OF THE LONG ISLAND EXPRESSWAY)

ROSLYN HEIGHTS & OLD WESTBURY, NEW YORK

INSTALLATION OF APPROXIMATLY 9,615 FEET - 24" STEEL 350 PSI GAS MAIN;

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| Appendix B-1 | Project Lump Sum Bid Description <ul style="list-style-type: none">I. Scope of Bid for 24" Steel Gas Main.II. Option Pricing |
| Appendix B-2 | Project Lump Sum Bid Pricing <ul style="list-style-type: none">I. Lump Sum Bid Submittal - 24" Steel Gas Main.II. Option Pricing |
| Appendix B-3 | Project Schedule |
| Appendix B-4 | Sub-Contractor Listing |
| Appendix B-5 | Project Pre-Bid Highlights |
| Appendix B-6 | Storm Water Pollution Prevention Plan (SWPPP) |
| Appendix B-7 | Final Pavement Diagrams |
| Appendix B-8 | Unit Prices (Additions / Deletions) |

| |
|--|
| Appendix B-2: Project Lump Sum Bid Pricing |
|--|

BID APPENDIX "B-2"

LUMP SUM BID AND OPTION PRICING SPREADSHEETS

(SEE SEPARATE PRICING SHEET IN ARIBA)

Appendix B-3: Project Schedule

BID APPENDIX "B-3"

PROJECT SCHEDULE

Schedule:

All bidders shall complete and attach to their bids, a project specific bar chart schedule in Primavera P6. The Gantt chart, WBS, and Activities should indicate start and end dates, as well as duration for all construction activities. The Gantt chart should indicate the start and end dates of the project including the float for any unforeseen situation.

All main installation WBS should be broken down by street and sequence of installation activities. Furthermore broken down construction activities, such as but not limited to Test holes, Radiography & NDE, Material Procurement, Saw cut, Sheeting/ Excavation, Temporary Restorations and Plating, Pressure Testing, Valve Installation, Tie-ins, X-ray, Jeeping/ Wrapping, Backfill, Permanent restoration, Punch list items, and Supports required by National Grid (such as CWI, schedule pipe/ stock item delivery or pickup).

All schedules should identify any weekend or holiday activity as well as length of the average work day e-g 8 hour days or 10 hour days etc.

All schedules should reflect the following milestones:

| | |
|---|--|
| Project Start | NET April 3 rd 2017 |
| Fabrication, Testing and Installation of 24" pipe | NLT September 29 th 2017 |
| First Outage Tie-in | September 22 nd – 26 th 2017 |
| Second Outage Tie-in | October 6 th – 12 th 2017 |
| Tie-in Assembly and Installation | NLT October 30 th 2017 |
| Gas-In | NLT November 17 th 2017 |
| Final Restoration | NLT March 30 th 2018 |
| Project Finish | NLT April 30 th 2018 |

NET – No Earlier Than

NLT – No Later Than

All schedule submittals should include work hours for this project. All bidders shall be held to their submitted schedules, any deviation must be submitted to National Grid Project Manager for approval. **The bids shall be rejected if a schedule is not submitted.**

| |
|---|
| Appendix B-4: Sub-Contractor Listing |
|---|

BID APPENDIX "B-4"

SUBCONTRACTOR LISTING

(SEE SEPARATE SHEET IN ARIBA)

(All Sub-contractors must be listed)

| |
|--|
| Appendix B-5: Project Pre-Bid Highlights |
|--|

BID APPENDIX "B-5"

**BID SPECIFICATION HIGHLIGHTS
AND SITE SPECIFIC ATTACHMENT**

This section is intended for discussion at the Pre-Bid meeting

(These Highlights will be used in accordance with National Grid Gas Eng. Spec. G-16-4)

| |
|--|
| Appendix B-6: Storm Water Pollution Prevention Plan |
|--|

BID APPENDIX "B-6"

**STORM WATER POLLUTION PREVENTION PLAN
(SWPPP)**

AS MANDATED BY THE NEW YORK STATE DEC

(Details to be provided at Project Site Visit)

| |
|---|
| Appendix B-7: Final Pavement Diagrams |
|---|

BID APPENDIX "B-7"

FINAL RESTORATION REQUIREMENTS

Town of North Hempstead

&

Nassau County Department of Public Works (NCDPW)

&

New York State Department of Transportation (NYSDOT)

(Reference National Grid Gas Eng. Spec. G-16-4 for all Final Paving requirements for this Bid Proposal)

| |
|---|
| Appendix B-8: Unit Prices (Additions / Deletions) |
|---|

BID APPENDIX "B-8"

UNIT PRICE SCHEDULE

Unit Price Schedule Index:

1. Clean Fill
2. Temporary Paving
3. Welding
4. Obstructions
5. Complete System Installed As Added Work Scope
6. Additional Test Holes
7. Miscellaneous Pits
8. Road Plates
9. Removals
10. Protection for Reduced Cover
11. Offset Installation Expense (Restricted)
12. Permanent Paving Unit Prices
13. Sod/Seed and Topsoil
14. Dewatering
15. Corrosion Control
16. DEC / Environmental Requirements
17. Lean Concrete Bedding
18. NCDPW Drain Cleaning
19. Contractor Crew Charges For Down Time As A Result Of Design Changes
20. Debris Removal and Disposal

Note: All units listed are applicable as additions or deletions only when changes occur from the base work scope as identified in the specifications and drawings.

| | |
|--------|--------|
| Total: | \$0.00 |
|--------|--------|

| Subcontractors | | | |
|----------------|---|---|---|
| 1 | Name of Firm | | Montauk Testing |
| | Work to be Performed | | Hydro Testing, High Resolution Geometry Pigging |
| | Union Affiliations | | |
| | Previous Work Performed (include type of work & location) | 1 | Hydro Testing |
| | | 2 | High Resolution Geometry Pigging |
| | 3 | | |
| 2 | Name of Firm | | Green Tree Lawn Care |
| | Work to be Performed | | Item 1-A.2.0, Tree Protection |
| | Union Affiliations | | |
| | Previous Work Performed (include type of work & location) | 1 | Tree Protection |
| | | 2 | |
| | 3 | | |
| 3 | Name of Firm | | Reddan Surveying |
| | Work to be Performed | | Layout, Offsets |
| | Union Affiliations | | |
| | Previous Work Performed (include type of work & location) | 1 | Layout |
| | | 2 | Offsets |
| | 3 | | |
| 4 | Name of Firm | | LI Cesspool |
| | Work to be Performed | | Clean out catch basins |
| | Union Affiliations | | |
| | Previous Work Performed (include type of work & location) | 1 | Clean out catch basins |
| | | 2 | |
| | 3 | | |
| 5 | Name of Firm | | Safety Markings |
| | Work to be Performed | | Epoxy Linestripe Markings |
| | Union Affiliations | | |
| | Previous Work Performed (include type of work & location) | 1 | Epoxy Linestripe Markings |
| | | 2 | |
| | 3 | | |
| 6 | Name of Firm | | |
| | Work to be Performed | | |
| | Union Affiliations | | |
| | Previous Work Performed (include type of work & location) | 1 | |
| | | 2 | |
| | 3 | | |
| 7 | Name of Firm | | |
| | Work to be Performed | | |
| | Union Affiliations | | |
| | Previous Work Performed (include type of work & location) | 1 | |
| | | 2 | |
| | 3 | | |
| 8 | Name of Firm | | |
| | Work to be Performed | | |
| | Union Affiliations | | |
| | Previous Work Performed (include type of work & location) | 1 | |
| | | 2 | |
| | 3 | | |
| 9 | Name of Firm | | |
| | Work to be Performed | | |
| | Union Affiliations | | |
| | Previous Work Performed (include type of work & location) | 1 | |
| | | 2 | |
| | 3 | | |
| 10 | Name of Firm | | |
| | Work to be Performed | | |
| | Union Affiliations | | |
| | Previous Work Performed (include type of work & location) | 1 | |
| | | 2 | |
| | 3 | | |