



Contract

between

National Grid USA

and

The Hallen Construction Co., Inc.

for

Crown Heights New Governor Station Project

Brooklyn, NY

May 12, 2017

Table of Contents

DESCRIPTION	PAGE
Agreement	3
Terms and Conditions	6
Exhibit A: Specifications & Drawings	7
Exhibit B: N-1402_Contractor Safety Requirements	8
Exhibit C1: SHW-101 Anti-Drug & Alcohol Procedure	9
Exhibit C2: Contractor Compliance Affidavit	9
Exhibit C3: DOT-FMCSA Drug Alcohol Prevention Plan	9
Exhibit C4: DOT-PHMSA Drug Alcohol Prevention Plan	9
Exhibit D: Equal Employment Opportunity Compliance Requirements	10
Exhibit E: Exceptions & Deviations	11
Exhibit F1: Environmental Procedure EP6 - Appendix A	13
Exhibit F2: Environmental Procedure EP6 - Appendix B	13
Exhibit F3: Environmental Procedure EP6 - Appendix C	13
Exhibit G1: Security Procedure NGSP-6, Attachment A	14
Exhibit G2: Security Procedure NGSP-6, Attachment B-1	14
Exhibit G3: Security Procedure NGSP-6, Attachment B-2	14
Exhibit G4: Security Procedure NGSP-6, Attachment C	14
Exhibit H: Hallen’s Pricing	15
Crown Heights - SOV	15

AGREEMENT

This Agreement, made and entered into on the date when signed by the party signing last in time, by and between Brooklyn Union Gas d/b/a National Grid (Owner), a New York corporation with offices at 175 E. Old Country Road, Hicksville, NY 11801, and The Hallen Construction Co., Inc. (Contractor), a New York corporation, having its principal place of business at 4270 Austin Blvd., Island Park, NY 11558, for the Work identified as:

NATIONAL GRID

Crown Heights New Governor Station 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 Crown Heights New Governor Station Project, in Brooklyn, 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
- Supplemental Conditions
- Non-Disclosure Agreement
- Supplier Code of Conduct
- Hallen's Supplier Ethics Certification
- Crown Heights Q&A
- Hallen's Certificate of Insurance
- Hallen's Means & Methods
- Hallen_Equip-Resource-Loading
- Hallen's Vetting Question Responses
- Hallen's Schedule

Exhibit A:

Specifications & Drawings:

- Exhibit A1.1_G-16-23 Crown Heights Governor Bid Specification (12_2016)
- Exhibit A1.2_Bid_Strategy_Crown_Heights Revised 04.06.17
- Exhibit A1.3_Crown Heights Dwg - 177813 M-101 MTO
- Exhibit A1.4_Crown Heights Dwg - 177813 M-102 SITE
- Exhibit A1.5_Crown Heights Dwg - 177813 M-103 VAULTS
- Exhibit A1.6_Crown Heights Dwg - 177813 M-104 CNTL DIAG
- Exhibit A1.7_Crown Heights Dwg - 177813-S-101
- Exhibit A1.8_Crown Heights Dwg - 177813-S-102
- Exhibit A1.9_Crown Heights Dwg - 177813-S-103

Contract with Hallen – Crown Heights

	Exhibit A1.10_Service Tapes - Crown Heights Governor
	Exhibit A1.11_Crown Heights - ID 40-151
	Exhibit A2_NYCDOT Street Restoration Standard Drawings
	Exhibit A3_f9929001-Standard Telemetry Drawing
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 G2:	Security Procedure NGSP-6, Attachment B1
Exhibit G3:	Security Procedure NGSP-6, Attachment B2
Exhibit G4:	Security Procedure NGSP-6, Attachment C
Exhibit H1:	Hallen's Lump Sum Pricing Sheet
Exhibit H2:	Hallen's Unit Pricing Sheet
	Crown Heights - SOV

ARTICLE 3 - SCHEDULE

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

ARTICLE 4 - CONTRACT PRICE

The Contract Price for the Work shall be in accordance with Exhibits H1 and H2 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:	Owner:
Pascale Ambrosio	John Vodopija
The Hallen Construction Co., Inc.	National Grid
4270 Austin Blvd.	25 Hub Drive
Island Park, NY 11558	Melville, NY 11747
Ph: 516-315-1871	Ph: 929-378-1913

pambrosio@hallen.com

john.vodopija@nationalgrid.com

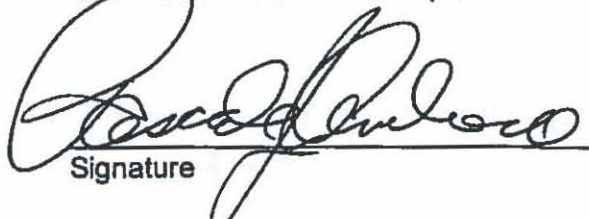
ARTICLE 6 - ENTIRE AGREEMENT

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:

The Hallen Construction Co., Inc.



Signature

Pascale J. Ambrosio

Name

Exec. Vice President

Title

May 30, 2017

Date

Owner:

Brooklyn Union Gas d/b/a National Grid



Signature

Chris Kelley

Name

Senior Buyer

Title

5/31/17

Date

Terms and Conditions











 700 Form Construction Terms a	 Hallen Supplemental Conditions (4-14-17).	 Hallen_NDA.pdf	 Supplier Code of Conduct.pdf	 CrownHeights_Q&A. pdf
 Hallen_COI.pdf	 Hallen_Means&Meth ods.pdf	 Hallen_EquipResourc eLoading.pdf	 Hallen_VettingQuesti ons.pdf	 Hallen_Supplier Code of Conduct.pdf

Exhibit A: Specifications & Drawings

 Exhibit A1.1_G-16-23 Crown	 Exhibit A1.2_Bid_Strategy_C	 Exhibit A1.3_Crown Heights Dwg - 17781	 Exhibit A1.4_Crown Heights Dwg - 17781	 Exhibit A1.5_Crown Heights Dwg - 17781	 Exhibit A1.6_Crown Heights Dwg - 17781
 Exhibit A1.7_Crown Heights Dwg - 17781	 Exhibit A1.8_Crown Heights Dwg - 17781	 Exhibit A1.9_Crown Heights Dwg - 17781	 Exhibit A1.10_Service Tapes	 Exhibit A1.11_Crown Heights - ID 40-151.p	 Exhibit A2_NYCDOT Street Restoration St
 Exhibit A3_f9929001-Standa					

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 Compl



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: Crown Heights New Gov

Company Name: The Hallen Construction Company, Inc.

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

1. Section 2.3: Entire paragraph has been added from previous version. Very broad. Assumes that Hallen is given access and time to review (and find errors and inaccuracies) all documents and conditions prior to the start of work. Makes the assumption that Hallen becomes responsible for all costs associated with non-discovery.
2. Section 2.6: Hallen takes exception to the contractor establishing the correctness of design, detail and dimensions. Design is not in the contractor's scope of work.
3. Section 5.2: Hallen's concern here is if a governmental agency adds an additional permitting requirement after the signing of the T & C, we will have to absorb the unanticipated cost.
4. Section 8.1: The contractor will not provide a warranty for design. Design has been provided by Nat Grid.
5. Section 13.1.9: Hallen takes exception to "or exacerbated by the Contractor or any Subcontractor".
6. Section 21.4: Hallen takes exception to the reference to permits, under this contract . Nat Grid secures the necessary permits.
7. Section 23.3: This paragraph does not take into consideration the smaller subcontractors that we use from time to time. Given their size and nature of work, they will not be able to obtain required policy limits. Must be addressed so that we can issue new subcontracts to these smaller subs.
8. Section's 27.3, 27.4 and 27.5: Hallen takes exception to these entire paragraphs.

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: Hallen Industries Pricing



Exhibit

H1_Hallen_LS-Pricing



Exhibit

H2_Hallen_Unit-Prin



Crown Heights -
SOV.pdf

ATTACHMENT A
EQUIPMENT, PERSONNEL, & SUBCONTRACTOR LISTING
(All Sub-contractors shall be listed)



NG BID Project
Equipment and Resour

ATTACHMENT B

LUMP SUM BID AND OPTION PRICING SHEET



Lump Sum Bid Crown
Heights G-16-23

ATTACHMENT C

CHANGE IN SCOPE UNIT PRICE SHEET



Unit Price - Crown
Heights

ATTACHMENT D
TRAFFIC STIPULATION

DOCUMENTS UPLOADED INTO ARIBA

New GOV. Crown Heights

LUMP SUM BID PRICING SPREADSHEET

LUMP SUM BID PRICING Attachment B

		UOM	Unit \$
§	Description		
I-A.	FIRM LUMP SUM PRICING "I-A"- NEW REGULATOR STATION INSTALLATION		
I-A.1	Firm Lump Sum Price - Total Project for all removal and installation work, Tie-ins, Testing, and full restoration as described in the bid specifications.	Lump Sum	
I-A.2	Pricing Breakdown (NOTE: Total Must Equal Firm Lump Sum Price Above)		
	<u>Mobilization & Pipe Delivery/Stringing:</u>		
I-A.2.a.	Contractor Mobilization/Acceptance of Piping and Stringing	Lump Sum	
	<u>Regulator Station Installation:</u>		
I-A.2.b.	Installation of all sheeted pits as required for New Regulators.	Lump Sum	
I-A.2.c	Installation of new Regulator vaults including coordination with all vendors to deliver and install on site.	Lump Sum	
I-A.2.d.	Installation of 4" Steel and MDPE (Plastic) Inlet / Intermediate / Outlet Piping	Lump Sum	
I-A.2.e.	Installation and welding of all fittings / valves / Strainer / Regulators / Purges etc. for new regulator station, including all 1-1/4" control line piping and electrical components, control panels, pedestal and electrical conduits as specified.	Lump Sum	
I-A.2.f.	Installation of Roxtec Seals, ladders, pipe supports and all precast frames and covers to final grade.	Lump Sum	
	<u>Testing:</u>		
I-A.2.g.	Air Test of Entire New System	Lump Sum	
	<u>Cathodic Protection Work</u>		
I-A.2.h.	Cathodic Protection for entire project	Lump Sum	
	<u>Restoration Work:</u>		
I-A.2.j.	Paving & Restoration of roadways, sidewalks, grass, trees, shrubbery and landscaping to original condition prior to construction.	Lump Sum	

New GOV. Crown Heights

		<i>UOM</i>	<i>Unit \$</i>
§	Description		
II-A to II-C	OPTION PRICING - SL 51		
	<i>OPTIONAL PRICES:</i>		
II-A.	Option Price "II-A" - CREDIT FOR CATHODIC PROTECTION OPERATIONS. This credit is being requested for those contractors who choose to utilize National Grid Corrosion personnel to perform all Cathodic Protection operations on this project. These duties will include ALL functions such as jeeeping of pipe, wrapping of all welds, elbows and valves as well as installing all anodes and test stations as indicated on the design drawings. Leaving this item blank or inputting a dollar value of zero indicates that you do not choose to utilize National Grid Corrosion Technicians.	Lump Sum	
II-B.	Option Price "II-B" - TIE-INS. Firm Lump Sum Price for the contractor to perform the final tie-in welds from the new to existing gas mains. Additions and or deletions will be covered under the unit price appendix.	Lump Sum	
II-C.	Option Price "II-C" - INSTALL NECESSARY REMOTE OPENINGS to SUPPORT TIE-INS as per SOP Firm Lump Sum Price - To excavate and install up to six (6) tigh-sheeted remote openings for the installation of shut-down and tie-in support materials.	Lump Sum	
II-D.-Credit	Option Price "II-D-Credit" - INSTALL NECESSARY REMOTE OPENINGS to SUPPORT TIE-INS as per SOP - Unit Price - Provide unit price for a single remote opening as detailed in Option II-D - to be used for additional openings required or for credit if removed.	Lump Sum	

CHANGE IN SCOPE UNIT PRICE SHEET, ATTACHMENT C

Crown Heights, Brooklyn, NY

§	Sub §	Sub § Description	Item#	Work Description	UOM	Unit Price
§1 - Clean Fill and Contaminated Soil 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.	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 - 8 in. and 10 in. Pipe	/Trench Ft	
			1.1.2	Clean Fill - 12 in. and 16 in. Pipe	/Trench Ft	
	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	/CY	
	1.3	Handling of Contaminated Soil per NGrid Specifications	1.3.1	Disposal of contaminated soil from project site at a DEC certified disposal facility	/CY	
§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	
			2.1.2	4 in. thickness (hot patch)	/SY	
§3 - Welding 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.	3.1	Butt Weld Steel Pipe (includes end preparation)	3.1.1	8 In. dia. pipe	/EA	
			3.1.2	10 In. dia. pipe	/EA	
			3.1.3	12 In. dia. pipe	/EA	
			3.1.4	16 In. dia. pipe	/EA	
	3.2	Complete western purge and install to main per NGrid Standards	3.2.1	Western Purge	/EA	
§4 - Obstructions Unit prices apply for increased work scope connected with unknown obstructions not shown on prints or that cannot be field identified as a potential interference.	4.1	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	
§5 - Add / Delete Complete System All inclusive unit price to install pipe at "Bid" defined depths. Includes, but not limited to, costs for test holes, excavation, pipe welding and installation, backfill, dewatering, etc. Pavement removal and temporary pavement are to be included in this price. Dewatering is included up to, but not including, a well point system. Permanent paving will be covered by the applicable unit price in this appendix.	5.1	Add Steel System	5.1.1	Paved Roads - 12" Steel Pipe	/LF	
			5.1.2	Paved Sidewalks - 12" Steel Pipe	/LF	
			5.1.3	Paved Roads - 16" Steel Pipe	/LF	
			5.1.4	Paved Sidewalks - 16" Steel Pipe	/LF	
	5.2	Steel Detail - all inclusive unit price to cut and prep the end of damaged steel gas pipe that has been identified by NGrid upon delivery.	5.2.1	Cut & Prep the end of damaged steel gas pipe - 12" Steel Pipe		
			5.2.2	Cut & Prep the end of damaged steel gas pipe - 16" Steel Pipe	/EA	
§6 - 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.	6.1	Size of additional test holes is approx. 5 ft by 3 ft by 5 ft deep. The unit price includes pavement removal, patch etc.	6.1.1	Additional Test Holes	/EA	
	6.2	Unit price for Vacuum Excavated Test Hole	6.2.1	Vacuum Excavated test hole	/EA	

CHANGE IN SCOPE UNIT PRICE SHEET, ATTACHMENT C
Crown Heights, Brooklyn, NY

§	Sub §	Sub § Description	Item#	Work Description	UOM	Unit Price
§7 - Miscellaneous Pits Weld Pits - An all inclusive unit price to excavate, sheet and steel plate an 8 ft x 8 ft tight sheeted weld pit, to a maximum of 8 ft in depth, within the pavement area.	7.1	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	
§8 - Road Plates Total steel plate rental rate for a period exceeding 90 days use at the tie-in pits or misc. pits installed.	8.1	Road Plates	8.1	Steel plate rental rate - Daily Rate	/day/pit	
	8.2	Road Plates	8.2	Steel plate rental rate - Weekly Rate	/week/pit	
	8.3	Road Plates	8.3	Steel plate rental rate - Monthly Rate	/month/pit	
§9 - Removals The unit prices apply to out of scope requirements for the removal of paving. It includes markout, sawcut or vermeer cut, removal and disposal of paving.	9.1	Unit price for Pavement Removal	9.1.1	Removals - Concrete Sidewalk	/SY	
			9.1.2	Removals - Concrete road paving	/SY	
			9.1.3	Removals - Blacktop paving	/SY	
	9.2	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	
§10 - 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.	10.1	Steel Plate Installation	10.1.1	One Inch Steel Plate Installed	/SF	
§11 - Offset Installation Expense 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.	11.1	All inclusive unit price covering installation from layout to backfill for vertical offset.	11.1.1	Vert. Offset Installation - price per 8" to 10" Elbow	/8-10" Stl EI	
			11.1.2	Vert. Offset Installation - price per 12" Elbow	/ 12" Stl EI	
			11.1.3	Vert. Offset Installation - price per 16" Elbow	/ 16" Stl EI	
	11.2	All inclusive unit price covering installation from layout to backfill for horizontal offset.	11.2.1	Horiz. Offset Installation - price per 8" to 10" Elbow	/8-10" Stl EI	
			11.2.2	Horiz. Offset Installation - price per 12" Elbow	/ 12" Stl EI	
			11.2.3	Horiz. Offset Installation - price per 16" Elbow	/16" Stl EI	
§12 - Permanent Paving Unit Prices Unit prices shown below are for increased work scope for permanent paving and restoration items.	12.1	Permanent Paving	12.1.1	Perm. Paving - 2" Blacktop	/SY	
			12.1.2	Perm. Paving - 4" Blacktop	/SY	
			12.1.3	Perm. Paving - 10" Dense Binder Base and 2" Top	/SY	
			12.1.4	Perm. Paving - 6" RCA Sub Base Mix – NYS Quality	/SY	
			12.1.5	Perm. Paving - 6" concrete	/SY	
			12.1.6	Perm. Paving - 8" concrete	/SY	
			12.1.7	Perm. Paving - 24" curb	/LF	
	12.2	Testing	12.2.1	Soil compaction testing services from NY State / County approved consultant to verify municipality requirements	/Day	
§13 - Lean Concrete Bedding Installation of a lean concrete bedding over gas facilities as directed by NGrid personnel. Maximum rating of concrete not to exceed 500 psi.	13.1	Lean Concrete Bedding	13.1.1	Lean Concrete Bedding	/CY	
§14 - Electric Conduit This item is for the installation of electric conduit not identified on the Bid Drawings.	14.1	Conduit of 1" thru 4" diameter	14.1.1	Conduit of 1" thru 4" diameter	/LF	
§15 - Enecon Support This item is for the contractor to provide support to NGrid's subcontractor, Enecon, for various functions such as, vault sealing, painting of the piping, fittings and regulators. This price must include the cost for a crew to assist with opening and closing of the vaults, setting up and maintaining MPT for all crews and ensuring all workers and pedestrians are working in a safe environment. Price will be based on a crew day with 2 hours overtime to setup and remove MPT.	15.1	Crew per day cost to support Enecon.	15.1.1	Crew per day cost to support Enecon	/Crew Day	

CHANGE IN SCOPE UNIT PRICE SHEET, ATTACHMENT C
Crown Heights, Brooklyn, NY

§	Sub §	Sub § Description	Item#	Work Description	UOM	Unit Price
§16 - Hand Digging Around Tree Roots 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.	16.1	Hand Excavation	16.1.1	Hand Excavation	/CY	
§17 - Stipulation Time Lost crew hours due to changes in stipulation times provided.	17.1	Stipulation Time	17.1	Stipulation Time	/Hr	
§18 - Dry Hole Excavation at the direction of National Grid to investigate an anomaly in which no anomaly is discovered.	18.1	Excavated area to investigate coating anomaly in which no anomalies are discovered. Size of test holes is approx. 5 ft by 3 ft by 5 ft deep. The unit price includes pavement removal and final restoration.	18.1	Excavated area to investigate coating anomaly in which no anomalies are discovered	/ea	
§19 - Counter Sink Road Plates Cost to counter sink road plates flush with pavement surface	19.1	Counter sink road plates flush with pavement surface	19.1	Counter sink road plates flush with pavement surface	/ea	

Crown Heights Payment Schedule

Lump Sum Item Number	Milestone Description	UOF	Lump Sum Amount	Milestone Value	█% Retainage	Permitted for Payment: Milestone less Retainage
I-A.2.a.	Contractor Mobilization/Acceptance of Piping and Stringing	Lump Sum				
I-A.2.b.	Installation of all sheeted pits as required for New Regulators.	Lump Sum				
I-A.2.c.	Installation of new Regulator vaults including coordination with all vendors to deliver and install on site.	Lump Sum				
I-A.2.f.	Installation of Roxtec Seals, ladders, pipe supports and all precast frames and covers to final grade.	Lump Sum				
I-A.2.d.	Installation of 4" Steel and MDPE (Plastic) Inlet / Intermediate / Outlet Piping	Lump Sum				
I-A.2.e.	Installation and welding of all fittings / valves / Strainer / Regulators / Purges etc. for new regulator station, including all 1-1/4" control line piping and electrical components, control panels, pedestal and electrical conduits as specified.	Lump Sum				
I-A.2.g.	Air Test of Entire New System	Lump Sum				
I-A.2.h.	Cathodic Protection for entire project	Lump Sum				
I-A.2.j.	Paving & Restoration of roadways, sidewalks, grass, trees, shrubbery and landscaping to original condition prior to construction.	Lump Sum				
		/Lump Sum				
		Lump Sum				
		Lump Sum				
		Lump Sum				
		Lump Sum				
		Lump Sum				
		Lump Sum				

*** █% retainage for each line item. Balance to be paid to Contractor upon acceptance of Project by the Company.
 *** Contractor to use the Invoice Summary and Change Order Invoice Summary when invoicing for completed services

Crown Heights Payment Schedule

Lump Sum Item Number	Milestone Description	UOF	Lump Sum Amount	Milestone Value	█ % Retainage	Permitted for Payment: Milestone less Retainage
II-A.	Option Price "II-A" - CREDIT FOR CATHODIC PROTECTION OPERATIONS. This credit is being requested for those contractors who choose to utilize National Grid Corrosion personnel to perform all Cathodic Protection operations on this project. These duties will include ALL functions such as jeeeping of pipe, wrapping of all welds, elbows and valves as well as installing all anodes and test stations as indicated on the design drawings. Leaving this item blank or inputting a dollar value of zero indicates that you do not choose to utilize National Grid Corrosion Technicians.	Lump Sum				
II-B.	Option Price "II-B" - TIE-INS. Firm Lump Sum Price for the contractor to perform the final tie-in welds from the new to existing gas mains. Additions and or deletions will be covered under the unit price appendix.	Lump Sum				
II-C.	Option Price "II-C" - INSTALL NECESSARY REMOTE OPENINGS to SUPPORT TIE-INS as per SOP Firm Lump Sum Price - To excavate and install up to six (6) tigh-sheeted remote openings for the installation of shut-down and tie-in support materials.	Lump Sum				
II-D.-Credit	Option Price "II-D-Credit" - INSTALL NECESSARY REMOTE OPENINGS to SUPPORT TIE-INS as per SOP - Unit Price - Provide unit price for a single remote opening as detailed in Option II-D - to be used for additional openings required or for credit if removed.	Lump Sum				
		Lump Sum				
		Lump Sum				
		Lump Sum				
		Lump Sum				
		Lump Sum				
		Lump Sum				

*** █ retainage for each line item. Balance to be paid to Contractor upon acceptance of Project by the Company.
 *** Contractor to use the Invoice Summary and Change Order Invoice Summary when invoicing for completed services