



CONTRACT PURCHASE AGREEMENT

BETWEEN

**NIAGARA MOHAWK POWER CORPORATION
SYRACUSE, NEW YORK**

AND

**AGI CONSTRUCTION COMPANY, INC.
SMITHFIELD, RHODE ISLAND**

FOR

UNY GAS MAINS & SERVICES CONTRACT

SAP PO #3200241440

APRIL 12, 2016

COPY NO. 1

CONTRACT PURCHASE AGREEMENT

This Contract Purchase Agreement, made and entered into on the date when signed by the party signing last in time, by and between **Niagara Mohawk Power Corporation** (“The Owner”), a New York corporation, with offices at 300 Erie Blvd. West, Syracuse, New York, 13202; and **AGI Construction Company, Inc.** (“Contractor”) having its office and principal place of business at 34 Appian Way, Providence, Rhode Island, 02917 for the work identified as gas mains & service installations associated with National Grid Gas Operations in Upstate New York Eastern Region and surrounding areas.

CONTRACT PURCHASE AGREEMENT #3200241440

ARTICLE 1 - SCOPE OF WORK

The Contractor hereby agrees to provide all qualified labor, material, tools, equipment, supervision and insurance to provide Gas Mains Construction/Services in National Grid's Upstate NY Eastern Region.

All activities shall be performed in accordance with the requirements noted in Ariba Doc# 639448057 - Upstate NY Gas Mains & Services RFP and its associated documentation.

Work scope shall include but not be limited to the following:

1. Connections
2. HDD
3. Main / Service
4. Mains
5. Maintenance
6. Miscellaneous
7. Restoration
8. Services
9. T & E
10. URD

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". The Agreement is comprised of the following:

- Agreement
- Schedule A - National Grid USA Service Company, Inc. and Affiliated Companies T's & C's for Construction Purchase Orders, (10-13-15)
- Schedule B - National Grid Safety Procedure N-1402 (9-11-13)
- Schedule C - Contractor Environmental Requirements, EP17, EP-6 Appendix B, EP-6 Appendix C.
- Schedule D - Requirements for Contractor Employee Background Checks Compliance Form NGSP6-Attachment B-2 – 9-1-15.

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- Attachment A - 2016 UNY Gas Mains & Services Unit Definition - Final
 - Attachment B - 2016 UNY Gas Mains & Services Specification - Final
 - Attachment C - NGA Operator Qualification GEN01100 Rev. 2 (6-1-13)
 - Attachment D – Contractor Employee Background Checks
 - Attachment E - AGI Construction Company, Inc. Pricing Schedule

ARTICLE 3 - AGREEMENT DURATION

The Agreement shall commence on or about April 1, 2016 and proceed to on or about March 31, 2021. The Owner reserves the right, at its sole option, to cancel this contract at any time and for any reason.

ARTICLE 4 – SCHEDULE

Any Work to be performed under this Agreement shall be completed within the schedule **developed by the Owner**. The Contractor will work the schedules as requested by the Owner. The AGI Construction Company, Inc. will provide crews to do mains and services work for National Grid.

ARTICLE 5 - CONTRACT PRICE

This Purchase order is issued on a Unit Price basis¹. The Unit Prices to be paid by the Owner to the Contractor shall be in accordance with the prices set forth in the proposal, unless otherwise agreed to in writing by the Owner and the Contractor. Service & Main Crew rates and Labor & Equipment rates included herein as (Attachment D).

Compensation to the Contractor for Service & Main Crew Rates is fully loaded rates inclusive of all markups for assigned work in UNY Eastern Region, and immediate surrounding areas. If Contractor is directed to work outside of Eastern Region and the immediate surrounding areas per diem rates may apply for meals and living expenses. All per diem rates will be reimbursed at cost with no markups.

¹The Purchase Order total is the authorized cumulative maximum total expenditure allowable against this contract. It does not represent actual commitment to spend the amount within the term of the order nor does it imply a Lump Sum Payable amount.

ARTICLE 6 – PAYMENTS

1. For all sums payable to Contractor, as described in Article 5, National Grid will pay Contractor within thirty (30) days from receipt of an acceptable invoice. Any allowable time for early payment discount will begin the day the invoice is received at National Grid. The invoice date will not be used to calculate the allotted time available for National Grid to exercise the specified payment discount. Unacceptable invoices may, at National Grid's option, be adjusted and paid as adjusted, or returned to Contractor for correction and re-submittal.
2. All invoices shall be submitted and payments made in accordance with and subject to the terms and conditions set forth in National Grid and Affiliated Companies Terms and Conditions for Construction Purchase Orders Document No. 00700 (10/13/15) as amended.

3. Invoicing will be authorized for payment utilizing National Grid's Ariba invoicing system. The Company has in place an online invoicing system which is used to process invoices. The Contractor shall utilize this system for processing invoices. The Contractor is responsible for supplying a high-speed line to connect to the system. Costs associated with the high-speed line and Contractor labor costs during system training shall be borne by the Contractor and are included in the contract unit prices.
4. The Contractor shall submit one invoice per work order for payment to cover work completed with items listed in accordance with the unit price schedules. Work is not considered to be complete until proper paperwork is completed and accepted by Company in its entirety and all associated Company documents are completed by the Contractor and accepted by the Gas Supervisor. Upon approval of the Work by the Company, the invoiced amount will be paid to the Contractor in accordance with the Agreement. Only work with unit prices in this Agreement shall be invoiced.

ARTICLE 7 – SAFETY

1. The Contractor assumes complete responsibility for the safe performance of the work and shall comply fully with:
 - a. National Grid Safety Procedure N -1402 (Schedule B)
 - b. National Grid and Affiliated Companies Terms and Conditions for Construction Purchase Orders Document No. 00700 (10/13/15)

ARTICLE 8 – TAXES

The Contractor is responsible for all applicable taxes associated with the workscope. Taxes are not applicable to labor. No sums in addition to the original contract amount will be paid by the Owner for taxes, fees, permits, or other levies, which may be imposed on the work by any authority having jurisdiction over the work of services to be provided/performed by the Contractor.

ARTICLE 9 – LIMITATION

The Contractor shall not revise the scope of work or deliverable products contained therein or incur costs to the purchaser's account in excess of the total Agreement without the Owner's prior written approval; such approval to be incorporated by formal amendment to this Agreement.

ARTICLE 10 – UNAUTHORIZED DISCLOSURE

The Owner considers any information provided to you in the course of business to be privileged and confidential between the Contractor and the Owner. This includes, but is not limited to, written data of any kind, business information, request for proposals, specifications, engineering data and any and all technologies and data either obtained or observed while supplying the commodity/service required by the Agreement. Unauthorized disclosure of information to third parties by you may lead to cancellation of the Agreement, loss of future business opportunities and/or the effects of any other remedies that may be available to the Owner.

ARTICLE 11 – ACKNOWLEDGEMENT

The Contractor agrees that it will not be entitled to payment until this Agreement is signed and returned to the National Grid Procurement Department. In the absence of The Contractor's written acceptance, performance of any part of the work provided for by this Agreement shall constitute acceptance of all provisions of this Agreement.

ARTICLE 12 – MISCELLANEOUS

This Agreement cannot be changed, altered, modified, amended, waived or discharged orally. Any such changes, alterations, modifications, amendments, waivers, or discharges can only be made effective when embodied in a written Agreement Change signed by an authorized representative or officer of the Owner and the Contractor.

The Agreement, as the same may be amended from time to time in writing by an Agreement Change, sets forth the full and complete understanding of the parties regarding the services to be performed by the Contractor for the Owner and supersedes any and all prior and contemporaneous agreements, commitments, understandings, and discussions, whether written or oral, which may have existed relating to the services to be performed by the Contractor. This Agreement shall not merge with or be terminated or superseded by any future agreement between the Parties that does not specifically so provide and without an Agreement Change to that effect. THE PARTIES HAVE READ AND UNDERSTAND THIS AGREEMENT AND AGREE TO BE BOUND BY ITS TERMS.

ARTICLE 13 - ENTIRE AGREEMENT

This Agreement, including all Contract Documents, constitutes the entire Agreement between the Owner and the Contractor, with respect to the Work specified in the relevant Work Authorization Form, 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 AGI CONSTRUCTION COMPANY, INC.

Owner:
NIAGARA MOHAWK POWER CORP.

By: _____

By: _____

Name: _____

Name: William J. Rumble, C.P.M.

Title: _____

Title: Category Manager

Date: _____

Date: April 12, 2016

Dean Lattof
Name

Category Manager
Title

Date

Signature

Michelle Holliday-Levy
Name

Director, Construction, Procurement
Title

Date

Signature

Randall Rotermund
Name

VP, US Procurement
Title

Date

Signature

SCHEDULE A

NATIONAL GRID AND AFFILIATED COMPANIES

TERMS AND CONDITIONS

FOR

CONSTRUCTION PURCHASE ORDERS

DOCUMENT NO. 00700 (10/13/15)



700 Form
Construction Terms ar

Insurance Certificate



AGI Ins Cert of
Insurance - Grid 2015.

SCHEDULE B

CONTRACTOR SAFETY PROCEDURE DOCUMENT NO. N-1402 Rev. 7 (09/11/2013)



Contractor Safety
Requirements.pdf

SCHEDULE C

CONTRACTOR ENVIRONMENTAL REQUIREMENTS



EP17_Construction_
Projects.pdf



EP6_AppB.pdf



EP6_AppC.pdf

SCHEDULE D

CONTRACTOR EMPLOYEE BACKGROUND CHECKS



Contractor Employee
Background Check & C

ATTACHMENT A

2016 UNY Gas Mains & Services Unit Definition - Final



Gas Mains and
Services MSA UPNY Fi

ATTACHMENT B

2016 UNY Gas Mains & Services Specification - Final



Upstate NY Mains and
Services Contract Spe

ATTACHMENT C

**OQ Plan US Gas Manual
Operator Qualification Plan GEN01100-PL
Effective Date 6-1-13 Rev 2.0**



Operator
Qualification Plan GEN

ATTACHMENT D

AGI Companies Pricing Workbook



AGI FY17 Pricing
Workbook Final 4-15-1

1-D-I	Main &/or Service	Main Opening- Type 1
1-D-I	Main &/or Service	Main Opening- Type 1
1-D-I	Main &/or Service	Main Opening- Type 1
1-D-I	Main &/or Service	Main Opening- Type 1
1-D-I	Main &/or Service	Main Opening- Type 1
1-D-I	Main &/or Service	Main Opening- Type 1
1-D-I	Main &/or Service	Main Opening- Type 1
1-D-II	Main &/or Service	Main Opening- Type 2
1-D-II	Main &/or Service	Main Opening- Type 2
1-D-II	Main &/or Service	Main Opening- Type 2
1-D-II	Main &/or Service	Main Opening- Type 2
1-D-II	Main &/or Service	Main Opening- Type 2
1-D-II	Main &/or Service	Main Opening- Type 2
1-D-II	Main &/or Service	Main Opening- Type 2
3-G	Services	"Service Line" Opening
3-G	Services	"Service Line" Opening
3-G	Services	"Service Line" Opening
3-G	Services	"Service Line" Opening
3-G	Services	"Service Line" Opening
3-G	Services	"Service Line" Opening
3-G	Services	"Service Line" Opening
3-B-I	Services	New Service
3-B-I	Services	New Service
3-B-I	Services	New Service
3-B-I	Services	New Service
3-B-I	Services	New Service

3-B-I	Services	New Service
3-B-II	Services	New Service
3-B-II	Services	New Service
3-B-II	Services	New Service
3-B-II	Services	New Service
3-B-II	Services	New Service
3-B-II	Services	New Service
3-B-II	Services	New Service
3-B-III	Services	Relay Service
3-B-III	Services	Relay Service
3-B-III	Services	Relay Service
3-B-III	Services	Relay Service
3-B-III	Services	Relay Service
3-B-III	Services	Relay Service
3-B-III	Services	Relay Service
3-H-I	Services	Retirements
3-H-II	Services	Retirements
3-H-III	Services	Retirements
3-H-IV	Services	Retirements
3-I	Services	New or Relay
3-I	Services	New or Relay
3-J	Services	Stub
3-J	Services	Stub
3-K-I	Services	Transfers
3-K-I	Services	Transfers
3-K-II	Services	Transfers

4-D-I	HDD	Adder
4-D-I	HDD	Adder
4-D-I	HDD	Adder
4-F	HDD	Adder
4-F	HDD	Adder
4-E	HDD	Opening
4-E	HDD	Opening
4-E	HDD	Opening
4-E	HDD	Opening
4-E	HDD	Opening
4-E	HDD	Opening
4-E	HDD	Opening
4-E	HDD	Opening
4-E	HDD	Opening
4-E	HDD	Opening
4-E	HDD	Opening
4-E	HDD	Opening
4-E	HDD	Opening
4-E	HDD	Opening
4-E	HDD	Opening
4-E	HDD	Opening
4-E	HDD	Opening
4-E	HDD	Opening
4-E	HDD	Opening
4-E	HDD	Opening
4-E	HDD	Opening
4-E	HDD	Opening
4-E	HDD	Opening
4-E	HDD	Opening
5-B-I	Connections	Opening
5-B-I	Connections	Opening
5-B-I	Connections	Opening
5-B-I	Connections	Opening
5-B-I	Connections	Opening
5-B-I	Connections	Opening
5-B-I	Connections	Opening
5-B-I	Connections	Opening
5-B-II	Connections	Opening
5-B-II	Connections	Opening
5-B-II	Connections	Opening
5-B-II	Connections	Opening
5-B-II	Connections	Opening
5-B-II	Connections	Opening
5-B-II	Connections	Opening
5-B-II	Connections	Opening
5-B-II	Connections	Opening
5-C	Connections	Purge Opening
5-C	Connections	Purge Opening
5-C	Connections	Purge Opening
5-D-I-a	Connections	Activity
5-D-I-a	Connections	Activity
5-D-I-b	Connections	Activity
5-D-I-b	Connections	Activity

5-D-II	Connections	Activity
5-D-III-a	Connections	Activity
5-D-III-a	Connections	Activity
5-D-III-b	Connections	Activity
5-D-III-c	Connections	Activity
5-D-III-c	Connections	Activity
5-D-IV	Connections	Activity
5-D-IV	Connections	Activity
5-D-V	Connections	Activity
5-D-V	Connections	Activity
5-D-VI	Connections	Activity
5-D-VI	Connections	Activity
5-D-VI	Connections	Activity
5-D-VII	Connections	Activity
5-D- VIII	Connections	Activity
5-D- VIII	Connections	Activity
5-D- VIII	Connections	Activity
5-D-IX-a	Connections	Welding
5-D-IX-a	Connections	Welding
5-D-IX-a	Connections	Welding
5-D-IX-a	Connections	Welding
5-D-IX-b	Connections	Welding
5-D-IX-b	Connections	Welding
5-D-IX-b	Connections	Welding
5-D-IX-b	Connections	Welding
5-D-IX-c	Connections	Welding
5-D-IX-c	Connections	Welding
5-D-IX-c	Connections	Welding
5-D-IX-c	Connections	Welding
5-D-IX-d	Connections	Welding
5-D-IX-d	Connections	Welding
5-D-IX-d	Connections	Welding
5-D-IX-d	Connections	Welding
5-D-X-a	Connections	Welding
5-D-X-b	Connections	Welding
5-E-I	Connections	Tapping
5-E-I	Connections	Tapping
5-E-I	Connections	Tapping
5-E-I	Connections	Tapping
5-E-I	Connections	Tapping
5-E-I	Connections	Tapping
5-E-I	Connections	Tapping
5-E-I	Connections	Tapping
5-E-I	Connections	Tapping
5-E-II	Connections	Tapping
5-E-II	Connections	Tapping
5-E-II	Connections	Tapping

5-E-II	Connections	Tapping
5-E-II	Connections	Tapping
5-E-II	Connections	Tapping
5-D-VII-D	Connections	By-pass
6-B-I	URD	Gas
6-B-I	URD	Gas
6-B-II	URD	Gas & Electric
6-B-II	URD	Gas & Electric
6-B-II	URD	Gas & Electric
6-B-III	URD	Gas
6-B-III	URD	Gas
6-B-III	URD	Gas
6-B-IV	URD	Electric
6-B-V-a	URD	Electric
6-B-V-b	URD	Electric
6-B-VI-a	URD	Hand Hole
6-B-VI-b	URD	Hand Hole
6-B-VII-a	URD	Transformer
6-B-VII-b	URD	Transformer
6-B-VII-c	URD	Transformer
6-B-VIII	URD	Electric Riser
6-B-IX-a	URD	Stubs
6-B-IX-b	URD	Stubs
7-A-I	Maintenance	Leak Repair
7-A-II-a	Maintenance	Leak Repair
7-A-II-a	Maintenance	Leak Repair
7-A-II-b	Maintenance	Leak Repair
7-A-II-b	Maintenance	Leak Repair
7-A-III-a	Maintenance	Leak Repair
7-A-III-a	Maintenance	Leak Repair
7-A-III-b	Maintenance	Leak Repair
7-A-III-b	Maintenance	Leak Repair
8-F-I	Restoration	Restoration
8-F-I	Restoration	Restoration
8-F-I	Restoration	Restoration
8-F-I	Restoration	Restoration
8-F-II	Restoration	Restoration
8-F-II	Restoration	Restoration
8-F-II	Restoration	Restoration
8-F-II	Restoration	Restoration
8-F-III	Restoration	Restoration
8-F-III	Restoration	Restoration
8-F-III	Restoration	Restoration
8-F-III	Restoration	Restoration
8-F-I	Restoration	Restoration
8-F-I	Restoration	Restoration
8-F-I	Restoration	Restoration

8-F-I	Restoration	Restoration
8-F-II	Restoration	Restoration
8-F-II	Restoration	Restoration
8-F-II	Restoration	Restoration
8-F-II	Restoration	Restoration
8-F-III	Restoration	Restoration
8-F-III	Restoration	Restoration
8-F-III	Restoration	Restoration
8-F-III	Restoration	Restoration
8-F-I	Restoration	Restoration
8-F-I	Restoration	Restoration
8-F-I	Restoration	Restoration
8-F-II	Restoration	Restoration
8-F-II	Restoration	Restoration
8-F-II	Restoration	Restoration
8-F-II	Restoration	Restoration
8-F-III	Restoration	Restoration
8-F-III	Restoration	Restoration
8-F-III	Restoration	Restoration
8-F-III	Restoration	Restoration
8-H-IV-a	Restoration	Adder
8-H-IV-b	Restoration	Adder
8-G-I	Restoration	Adder
8-G-I	Restoration	Adder
8-G-I	Restoration	Adder
8-G-I	Restoration	Adder
8-H-II	Restoration	Adder
8-H-III	Restoration	Adder
8-H-III	Restoration	Adder
8-H-VI-a	Restoration	Adder
8-H-VI	Restoration	Adder
8-H-VI	Restoration	Adder
8-H-VI	Restoration	Adder
8-H-VII-a	Restoration	Adder
8-H-VII-b	Restoration	Adder
8-H-VII-c	Restoration	Adder
8-H-VII-d	Restoration	Adder
8-H-VIII	Restoration	Adder
8-H-IX	Restoration	Adder
8-H-X	Restoration	Adder
8-H-X	Restoration	Adder
8-H-XI	Restoration	Adder
8-H-XII	Restoration	Adder
8-H-XII-b	Restoration	Adder
8-H-XII-c	Restoration	Adder

8-H-XIII	Restoration	Adder
8-H-XIV	Restoration	Adder
9-A	Misc.	Utility Veriifcations
9-A	Misc.	Utility Veriifcations
9-A	Misc.	Utility Veriifcations
9-A	Misc.	Utility Veriifcations
9-A	Misc.	Utility Veriifcations
9-A	Misc.	Utility Veriifcations
9-A	Misc.	Utility Veriifcations
9-B-I	Misc.	HDD
9-C	Misc.	Fitting
9-C	Misc.	Fitting
9-D-I	Misc.	Environmental
9-D-II	Misc.	Environmental
9-E	Misc.	MP&T
9-F-I	Misc.	Excavation
9-F-II	Misc.	Excavation
9-G-I	Misc.	Raw Materials
9-G-II	Misc.	Raw Materials
9-G-III	Misc.	Raw Materials
9-G-IV	Misc.	Raw Materials
9-G-V	Misc.	Raw Materials
9-H	Misc.	Bollards
10-B-I-a	T&E	Crew Rates
10-B-I-a	T&E	Crew Rates
10-B-I-b	T&E	Crew Rates
10-B-I-b	T&E	Crew Rates
10-B-II-a	T&E	Crew Rates
10-B-II-a	T&E	Crew Rates
10-B-II-b	T&E	Crew Rates
10-B-II-b	T&E	Crew Rates
10-B-III	T&E	Crew Rates
10-B-III	T&E	Crew Rates
10-B-IV-a	T&E	Crew Rates
10-B-IV-a	T&E	Crew Rates
10-B-IV-b	T&E	Crew Rates
10-B-IV-b	T&E	Crew Rates
10-B-IV-c	T&E	Crew Rates
10-B-IV-c	T&E	Crew Rates
10-B-V-a	T&E	Crew Rates
10-B-V-a	T&E	Crew Rates
10-B-V-b	T&E	Crew Rates
10-B-V-b	T&E	Crew Rates
10-B-V-c	T&E	Crew Rates
10-B-V-c	T&E	Crew Rates
10-C	T&E	Labor
10-C	T&E	Labor

Pavement Adder: Trench Widening. Based on strata adjacent to trench for main installed via "Open Cut"
Pavement Adder: Trench Widening. Based on strata adjacent to trench for main installed via "Open Cut"
Pavement Adder: Trench Widening. Based on strata adjacent to trench for main installed via "Open Cut"
Pavement Adder: Trench Widening. Based on strata adjacent to trench for main installed via "Open Cut"
Pavement Adder: Trench Widening. Based on strata adjacent to trench for main installed via "Open Cut"
Pavement Adder: Trench Widening. Based on strata adjacent to trench for main installed via "Open Cut"
Pavement Adder: Trench Widening. Based on strata adjacent to trench for main installed via "Open Cut"
Pavement Adder: Seperate Excavation. Based on strata over existing main &/or tee. Or over HDD main.
Pavement Adder: Seperate Excavation. Based on strata over existing main &/or tee. Or over HDD main.
Pavement Adder: Seperate Excavation. Based on strata over existing main &/or tee. Or over HDD main.
Pavement Adder: Seperate Excavation. Based on strata over existing main &/or tee. Or over HDD main.
Pavement Adder: Seperate Excavation. Based on strata over existing main &/or tee. Or over HDD main.
Pavement Adder: Seperate Excavation. Based on strata over existing main &/or tee. Or over HDD main.
Pavement Adder: Seperate Excavation. Based on strata over existing main &/or tee. Or over HDD main.
Pavement Adder: Seperate Excavation. Based on strata over <u>existing</u> service line &/or riser
Pavement Adder: Seperate Excavation. Based on strata over <u>existing</u> service line &/or riser
Pavement Adder: Seperate Excavation. Based on strata over <u>existing</u> service line &/or riser
Pavement Adder: Seperate Excavation. Based on strata over <u>existing</u> service line &/or riser
Pavement Adder: Seperate Excavation. Based on strata over <u>existing</u> service line &/or riser
Pavement Adder: Seperate Excavation. Based on strata over <u>existing</u> service line &/or riser
With New Main
With New Main
With New Main
With New Main
With New Main

With New Main
Without Main (aka "Drive Arouns")
Without Main (aka "Drive Arouns")
Without Main (aka "Drive Arouns")
Without Main (aka "Drive Arouns")
Without Main (aka "Drive Arouns")
Without Main (aka "Drive Arouns")
Without Main (aka "Drive Arouns")
With Relay Main
With Relay Main
With Relay Main
With Relay Main
With Relay Main
With Relay Main
With Relay Main
"Separate Excavation Only"; Retire beyond Curb or Road Edge
"Separate Excavation Only"; Retire at Main
"Drive Around"; Inactive Service; Retire beyond Curb or Road Edge
"Drive Around"; Inactive Service; Retire at Main
Incremental Footage: For New & Relay Services (house end piping)
Incremental Footage: For New & Relay Services (house end piping)
With main (any method)
With main (any method)
≤ 15' piping from existing service to new main (existing main <u>not</u> exposed)
≤ 15' piping from existing service to new main (existing main <u>not</u> exposed)
≤ 15' piping from existing service to new main (existing main exposed)

HDD Consolidated Rock Adder (≤ 20,000 p.s.i. rock)
HDD Consolidated Rock Adder (≤ 20,000 p.s.i. rock)
HDD Consolidated Rock Adder (≤ 20,000 p.s.i. rock)
"Extreme Depth" Adder: > 20' (36k-79k lbs. pullback req.)
"Extreme Depth" Adder: > 20' (≤ 80k lbs. pullback req.)
Excavate & pipe joining for HDD
Excavate & pipe joining for HDD
Excavate & pipe joining for HDD
Excavate & pipe joining for HDD
Excavate & pipe joining for HDD
Excavate & pipe joining for HDD (Based on 1 panel remove/replace)
Excavate & pipe joining for HDD
Excavate & pipe joining for HDD
Excavate & pipe joining for HDD
Excavate & pipe joining for HDD
Excavate & pipe joining for HDD
Excavate & pipe joining for HDD
Excavate & pipe joining for HDD (Based on 2 panel remove/replace)
Excavate & pipe joining for HDD
Excavate & pipe joining for HDD
Excavate & pipe joining for HDD
Excavate & pipe joining for HDD
Excavate & pipe joining for HDD
Excavate & pipe joining for HDD
Excavate & pipe joining for HDD (Based on 2 panel remove/replace)
Excavate & pipe joining for HDD
Excavate; "Single" Stop-off or Tap
Excavate; "Single" Stop-off or Tap
Excavate; "Single" Stop-off or Tap
Excavate; "Single" Stop-off or Tap
Excavate; "Single" Stop-off or Tap
Excavate; "Single" Stop-off or Tap (Based on 1 panel remove/replace)
Excavate; "Single" Stop-off or Tap
Excavate; "Double" Stop-offs &/or Taps
Excavate; "Double" Stop-offs &/or Taps
Excavate; "Double" Stop-offs &/or Taps
Excavate; "Double" Stop-offs &/or Taps
Excavate; "Double" Stop-offs &/or Taps
Excavate; "Double" Stop-offs &/or Taps (Based on 2 panel remove/replace)
Excavate; "Double" Stop-offs &/or Taps
Separate Excavation Only (Based on Existing Main Size)
Separate Excavation Only (Based on Existing Main Size)
Separate Excavation Only (Based on Existing Main Size)
Bag-off procedure (per side; cast-iron or NG provided welder)
Bag-off procedure (per side; cast-iron or NG provided welder)
Bag-off procedure (per side; Contractor provided welder)
Bag-off procedure (per side; Contractor provided welder)

Coupling installation
End cap installation: Fused
End cap installation: Fused
End cap installation: Mechanical
End cap installation: Weld
End cap installation: Weld
Mechanical sleeve fitting installation
Mechanical sleeve fitting installation
Plastic branch outlet ("hot tap")
Plastic branch outlet ("hot tap")
Plastic tee (2")
Plastic tee (2")
Plastic tee (2")
Saddle, tap & tee outlet (2" tees)
Squeeze-off
Squeeze-off
Squeeze-off
Weld stopper fitting (top tap type) without outlet weld (aka "short-stop")
Weld stopper fitting (top tap type) without outlet weld (aka "short-stop")
Weld stopper fitting (top tap type) without outlet weld (aka "short-stop")
Weld stopper fitting (top tap type) without outlet weld (aka "short-stop")
Weld tee fitting (top tap type) with outlet weld
Weld tee fitting (top tap type) with outlet weld
Weld tee fitting (top tap type) with outlet weld
Weld tee fitting (top tap type) with outlet weld
Weld stopper fitting (Derby/Spherical type) without outlet weld
Weld stopper fitting (Derby/Spherical type) without outlet weld
Weld stopper fitting (Derby/Spherical type) without outlet weld
Weld stopper fitting (Derby/Spherical type) without outlet weld
Weld stopper fitting (Derby/Spherical type) with outlet weld
Weld stopper fitting (Derby/Spherical type) with outlet weld
Weld stopper fitting (Derby/Spherical type) with outlet weld
Weld stopper fitting (Derby/Spherical type) with outlet weld
Direct Weld Tie-in; includes isolation between gas & welding (fittings for vent stacks, bag holes, &/or siphon)
Direct Weld Tie-in; includes isolation between gas & welding (fittings for vent stacks, bag holes, &/or siphon)
Tap <u>OR</u> Stop-off: Williamson Tee or Shortstop; using NG equipment
Tap <u>OR</u> Stop-off: Williamson Tee or Shortstop; using NG equipment
Tap <u>OR</u> Stop-off: Williamson Tee or Shortstop; using NG equipment
Tap <u>OR</u> Stop-off: Mueller Tee; using NG equipment
Tap <u>OR</u> Stop-off: Mueller Tee; using NG equipment
Tap <u>OR</u> Stop-off: Mueller Tee; using NG equipment
Tap <u>OR</u> Stop-off: Mueller "Derby" ; using NG equipment
Tap <u>OR</u> Stop-off: Mueller "Derby" ; using NG equipment
Tap <u>OR</u> Stop-off: Mueller "Derby" ; using NG equipment
Tap <u>AND</u> Stop-off: Williamson Tee or Shortstop; using NG equipment
Tap <u>AND</u> Stop-off: Williamson Tee or Shortstop; using NG equipment
Tap <u>AND</u> Stop-off: Williamson Tee or Shortstop; using NG equipment

Sod: Furnish & Install
Stabilization Netting: Furnish & Install
"Test Holes" for HDD only
"Test Holes" for HDD &/or Ground Piercing
"Test Holes" for HDD &/or Ground Piercing
"Test Holes" for HDD &/or Ground Piercing
"Test Holes" for HDD &/or Ground Piercing
Test Holes &/or Ground Piercing (Based on 1 panel remove/replace)
Test Holes &/or Ground Piercing
Customer Sewer Markout Only: FOR NG DIRECTED HDD WORK ONLY
Core Drill through wall
Core Drill through wall
Silt Fence: furnish & install
Hay Bale: furnish & install
NYS DOT Lane Closure with Peak Hour Work Restrictions (9:00 a.m. - 3 P.m.)
Rock Removal- Typical: shale, ledge rock (or comparable)
Rock Removal- Extreme: Granite, Blue Stone (or comparable)
Bank Run Gravel
Cold Patch- Regular
Cold Patch- High Performance ("UPM" or "QPR2000", or comparable)
Crusher Run
Sand
Steel piping w/ Concrete base & fill; Cover sleeve
"Small" Plastic Main Crew: combined labor & equipment rate - Straight time
"Small" Plastic Main Crew: combined labor & equipment rate - Overtime
"Large" Plastic Main Crew: combined labor & equipment rate - Straight time
"Large" Plastic Main Crew: combined labor & equipment rate - Overtime
"Small" Steel Main Crew: combined labor & equipment rate - Straight time
"Small" steel Main Crew: combined labor & equipment rate - Overtime
"Large" Steel Main Crew: combined labor & equipment rate - Straight time
"Large" Steel Main Crew: combined labor & equipment rate - Overtime
Service Crew: combined labor & equipment rate - Straight time
Service Crew: combined labor & equipment rate - Overtime
"Small" HDD Crew: combined labor & equip rate - Straight Time (+/- 7,000 lbs. pullback)
"Small" HDD Crew: combined labor & equip rate - Overtime
"Medium" HDD Crew: combined labor & equip rate - Straight Time (24,000 - 35,000 lbs. pullback)
"Medium" HDD Crew: combined labor & equip rate - Overtime
"Large" HDD Crew: combined labor & equip rate - Straight Time (+/- 50,000 lbs. pullback)
"Large" HDD Crew: combined labor & equip rate - Overtime
URD Crew- Gas Only; 3rd party Lead Dig: combined labor & equipment - Straight Time
URD Crew- Gas Only; 3rd party Lead Dig: combined labor & equipment - Over Time
URD Crew- Gas Only; Lead Dig: combined labor & equipment - Straight Time
URD Crew- Gas Only; Lead Dig: combined labor & equipment - Over Time
URD Crew- Gas & Electric; Lead Dig: combined labor & equipment - Straight Time
URD Crew- Gas & Electric; Lead Dig: combined labor & equipment - Over Time
Apprentice / Flagger / Laborer/ Welder Helper - Straight Time
Apprentice / Flagger / Laborer / Welder Helper - Overtime

Crew Foreman - Straight Time
Crew Foreman - Overtime
Driver - Commercial (CDL) - Straight Time
Driver - Commercial (CDL) - Overtime
Driver - Utility (non-CDL) - Straight Time
Driver - Utility (non-CDL) - Overtime
Equipment Operator - Straight Time
Equipment Operator - Overtime
Flagger (outsourced)- Straight Time
Flagger (outsourced)- Over Time
HDD Operator - Straight Time
HDD Operator - Overtime
Locator - Straight Time
Locator - Overtime
Welder - Straight Time
Welder - Overtime Time
General Foreman - Straight Time
General Foreman - Overtime
Superintendent - Straight Time
Superintendent - Overtime Time
Arrow &/or Information Board
Attenuator
Backhoe-Standard w/ "Hoe Ram": (CAT 416" or Comparable)
Barrels (NYS DOT Approved)
Barricades (per each)
Bending Machine (for bending of steel pipe)
Dozer - Standard: ("CAT D5/6" or comparable)
Dump Truck - Medium: +/- 5 yard
Dump Truck - Large: +/- 12 yard
HDD Rig & Assoc. Equipment - Small: (+/- 7,000 lbs. pullback)
HDD Rig & Assoc. Equipment - Medium: (24,000 - 35,000 lbs. pullback)
HDD Rig & Assoc. Equipment - Large: (+/- 50,000 lbs. pullback)
Light Plant
Loader / Side-Boom - Standard: ("CAT 930/950" or comparable)
Low Bed - Standard: (50 ton or comparable)
Material Truck: ("Pick-up" Type)
Material Truck: ("Rack"/"Stake" Type)
PE Fusion Machine: 4"
PE Fusion Machine: 6-8"
PE Fusion Machine: 12"
Road Plates: Steel (per each)
Sand Blaster: Black Beauty or comparable sand included
Service Truck - includes: Air Compressor (up to 185 CFM), "Tag Along" Trailer (if required), Tamper (Rammer or Plate Types), 2" Fusing Machine or less, Generator, and Standard Work Area Protection
Shoring Box and/or Shield
Skidster Type Loader
Snow &/or Orange Construction Fence (per roll)

Tamper - Standard: (Rammer or Plate Types)
Tamper - Large: "Remote" or "Drivable"
Track Hoe - Compact ("CAT 302" or comparable)
Track Hoe - Standard w/ "Hoe Ram": ("CAT 312" or comparable)
Track Hoe - Large w/ "Hoe Ram": ("CAT 320" or comparable)
Track Hoe - Standard: ("CAT 312" or comparable)
Track Hoe - Large: ("CAT 320" or comparable)
Trench Protective System
Hydro-Vac Trailer (small-medium); 5-8 gallon capacity
Hydro-Vac Truck (Large); ~16 gallon capacity
Water Pump - Standard: (3" or less)
Water Pump - Large: (4" or greater)
Welding Rig: (includes consumables)

Volume Interval	Material Type	Size (inch)
NA	NA	NA
≤ 500'	Plastic	2
≤ 500'	Plastic	2
≤ 500'	Plastic	2
≤ 500'	Plastic	4
≤ 500'	Plastic	4
≤ 500'	Plastic	4
≤ 500'	Plastic	6 to 8
≤ 500'	Plastic	6 to 8
≤ 500'	Plastic	6 to 8
≤ 500'	Plastic	12
≤ 500'	Plastic	12
≤ 500'	Plastic	12
501-1000'	Plastic	2
501-1000'	Plastic	2
501-1000'	Plastic	2
501-1000'	Plastic	4
501-1000'	Plastic	4
501-1000'	Plastic	4
501-1000'	Plastic	6 to 8
501-1000'	Plastic	6 to 8
501-1000'	Plastic	6 to 8
501-1000'	Plastic	12
501-1000'	Plastic	12
501-1000'	Plastic	12
> 1000'	Plastic	2
> 1000'	Plastic	2
> 1000'	Plastic	2
> 1000'	Plastic	4
> 1000'	Plastic	4
> 1000'	Plastic	4
> 1000'	Plastic	4
> 1000'	Plastic	6 to 8
> 1000'	Plastic	6 to 8
> 1000'	Plastic	6 to 8
> 1000'	Plastic	6 to 8
> 1000'	Plastic	12
> 1000'	Plastic	12
> 1000'	Plastic	12
≤ 500'	Plastic	2
≤ 500'	Plastic	2
≤ 500'	Plastic	2
≤ 500'	Plastic	4
≤ 500'	Plastic	4
≤ 500'	Plastic	4
≤ 500'	Plastic	4
≤ 500'	Plastic	6 to 8
≤ 500'	Plastic	6 to 8

≤ 500'	Plastic	6 to 8
≤ 500'	Plastic	12
≤ 500'	Plastic	12
≤ 500'	Plastic	12
501-1000'	Plastic	2
501-1000'	Plastic	2
501-1000'	Plastic	2
501-1000'	Plastic	4
501-1000'	Plastic	4
501-1000'	Plastic	4
501-1000'	Plastic	6 to 8
501-1000'	Plastic	6 to 8
501-1000'	Plastic	6 to 8
501-1000'	Plastic	12
501-1000'	Plastic	12
501-1000'	Plastic	12
> 1000'	Plastic	2
> 1000'	Plastic	2
> 1000'	Plastic	2
> 1000'	Plastic	4
> 1000'	Plastic	4
> 1000'	Plastic	4
> 1000'	Plastic	6 to 8
> 1000'	Plastic	6 to 8
> 1000'	Plastic	6 to 8
> 1000'	Plastic	12
> 1000'	Plastic	12
> 1000'	Plastic	12
Any	Plastic	2
Any	Plastic	4
NA	PL / ST	2
NA	PL / ST	4
NA	PL / ST	6 to 8
NA	PL / ST	12
All	Plastic	2
NA	Cast Iron	NA
NA	Steel	≤ 4
NA	Steel	6 to 8
NA	Steel	12
NA	NA	NA
NA	NA	NA
NA	NA	≤ 12
NA	NA	NA
NA	NA	NA
NA	NA	NA
NA	NA	≤ 12

NA	Any	≤ 12
NA	Any	≤ 12
NA	Any	≤ 12
NA	Any	≤ 12
NA	Any	≤ 12
NA	Any	≤ 12
NA	Any	≤ 12
NA	Any	≤ 12
NA	Any	≤ 12
NA	Any	≤ 12
NA	Any	≤ 12
NA	Any	≤ 12
NA	Any	≤ 12
NA	Any	≤ 12
NA	Any	≤ 2
NA	Any	≤ 2
NA	Any	≤ 2
NA	Any	≤ 2
NA	Any	≤ 2
NA	Any	≤ 2
1-60'	Plastic	≤ 1
61-120'	Plastic	≤ 1
121-200'	Plastic	≤ 1
1-60'	Plastic	2
61-120'	Plastic	2

121-200'	Plastic	2
1-60'	Plastic	≤ 1
61-120'	Plastic	≤ 1
121-200'	Plastic	≤ 1
1-60'	Plastic	2
61-120'	Plastic	2
121-200'	Plastic	2
1-60'	Plastic	≤ 1
61-120'	Plastic	≤ 1
121-200'	Plastic	≤ 1
1-60'	Plastic	2
61-120'	Plastic	2
121-200'	Plastic	2
NA	PL/Cu/ST	≤ 2
NA	PL/Cu/ST	≤ 2
NA	PL/Cu/ST	≤ 2
NA	PL/Cu/ST	≤ 2
> 200'	Plastic	≤ 1
> 200'	Plastic	2
≤ 30'	Plastic	≤ 1
≤ 30'	Plastic	2
≤ 15'	Plastic	≤ 1
≤ 15'	Plastic	2
≤ 15'	Plastic	≤ 1

≤ 15'	Plastic	2
≤ 15'	Plastic	≤ 1
≤ 15'	Plastic	≤ 1
NA	ANY	≤ 2
> 15'	Plastic	2
ALL	Plastic	≤ 1
NA	Plastic	Up to 2
NA	Plastic	Up to 2
NA	Plastic	Up to 2
NA	Plastic	Up to 2
NA	NA	2
NA	NA	2
≤ 30'	Black Iron	≤ 1
≤ 30'	Black Iron	≤ 2
> 30'	Black Iron	≤ 1
> 30'	Black Iron	1½- 2
NA	NA	NA
NA	NA	≤ 1
NA	Black Iron	Any
NA	Black Iron	Any
NA	NA	NA
NA	NA	NA
NA	NA	NA
NA	NA	NA
≤ 30'	Black Iron	≤ 1
≤ 30'	Black Iron	≤ 1
NA	NA	NA
NA	NA	4 to 8
≤ 100'	Plastic	up to 4
≤ 100'	Plastic	6 to 8
≤ 100'	Plastic	12
> 101'	Plastic	up to 4
> 101'	Plastic	6 to 8
> 101'	Plastic	12
≤ 100'	Plastic	≤ 2
> 101'	Plastic	≤ 2
≤ 500'	Plastic	up to 4
501-999'	Plastic	up to 4
> 1000'	Plastic	up to 4
≤ 500'	Plastic	6 to 8
501-999'	Plastic	6 to 8
> 1000'	Plastic	6 to 8

NA	PL/CI/ST	up to 12
NA	Plastic	up to 8
NA	Plastic	12
NA	PL/CI/ST	up to 12
NA	Steel	up to 8
NA	Steel	10 to 12
NA	ST/CI	up to 8
NA	ST/CI	12
NA	Plastic	up to 8
NA	Plastic	12
NA	Plastic	up to 4
NA	Plastic	6 to 8
NA	Plastic	12
NA	Cast Iron	up to 6
NA	Plastic	up to 4
NA	Plastic	6 to 8
NA	Plastic	12
NA	Steel	2 to 3
NA	Steel	4
NA	Steel	6 to 8
NA	Steel	10 to 12
NA	Steel	2 to 3
NA	Steel	4
NA	Steel	6 to 8
NA	Steel	10 to 12
NA	Steel	2 to 3
NA	Steel	4
NA	Steel	6 to 8
NA	Steel	10 to 12
NA	Steel	2 to 3
NA	Steel	4
NA	Steel	6 to 8
NA	Steel	10 to 12
NA	Steel	up to 8
NA	Steel	12
NA	NA	4
NA	NA	6 & 8
NA	NA	10 & 12
NA	NA	4
NA	NA	6 & 8
NA	NA	10 & 12
NA	NA	4
NA	NA	6 & 8
NA	NA	10 & 12
NA	NA	4
NA	NA	6 & 8
NA	NA	10 & 12

NA	NA	4
NA	NA	6 & 8
NA	NA	10 & 12
NA	Plastic	2"
NA	Plastic	4
NA	Plastic	6 & 8
NA	Plastic	2
NA	Plastic	4
NA	Plastic	6 & 8
NA	Plastic	2
NA	Plastic	4
NA	Plastic	6 & 8
NA	Wire	NA
NA	Plastic	NA
NA	Wire	NA
NA	Plastic	NA
NA	Pad	NA
NA	Plastic	NA
NA	Pad	NA
NA	Pad	NA
NA	Wire	NA
Any	Plastic	≤ 1
Any	Plastic	≤ 1
NA	NA	NA
NA	Cast Iron	up to 8"
NA	Cast Iron	10 to 12
NA	Cast Iron	up to 8"
NA	Cast Iron	10 to 12
NA	ST/CI	up to 8"
NA	ST/CI	10 to 12
NA	ST/CI	up to 8"
NA	ST/CI	10 to 12
ALL	NA	ALL
ALL	NA	ALL
ALL	NA	ALL
ALL	NA	ALL
≤ 500 ^l	NA	6 to 8
≤ 500 ^l	NA	6 to 8
≤ 500 ^l	NA	6 to 8
≤ 500 ^l	NA	6 to 8
≤ 500 ^l	NA	12
≤ 500 ^l	NA	12
≤ 500 ^l	NA	12
≤ 500 ^l	NA	12
501-1000 ^l	NA	≤ 4
501-1000 ^l	NA	≤ 4
501-1000 ^l	NA	≤ 4

501-1000 ¹	NA	≤4
501-1000 ¹	NA	6 to 8
501-1000 ¹	NA	6 to 8
501-1000 ¹	NA	6 to 8
501-1000 ¹	NA	6 to 8
501-1000 ¹	NA	12
501-1000 ¹	NA	12
501-1000 ¹	NA	12
501-1000 ¹	NA	12
>1000 ¹	NA	≤4
>1000 ¹	NA	≤4
>1000 ¹	NA	≤4
>1000 ¹	NA	≤4
>1000 ¹	NA	6 to 8
>1000 ¹	NA	6 to 8
>1000 ¹	NA	6 to 8
>1000 ¹	NA	6 to 8
>1000 ¹	NA	12
>1000 ¹	NA	12
>1000 ¹	NA	12
>1000 ¹	NA	12
NA	NA	Any
>101 ¹	NA	Any
NA	Asphalt	NA
NA	Asphalt	NA
NA	Asphalt	NA
NA	Asphalt/Concrete	NA
NA	Block	NA
NA	Brick	NA
NA	Brick	NA
NA	Concrete	≤ 4"
NA	Concrete	≤ 6"
NA	Concrete	8"
NA	Concrete	10-12"
NA	Granite	NA
NA	Granite	NA
NA	Concrete	NA
NA	Concrete	NA
NA	steel	NA
NA	Concrete	NA
NA	Asphalt	≤ 4
NA	Asphalt	6"
NA	Asphalt	NA
NA	Concrete	≤ 5"
NA	Concrete	1"
NA	Concrete	≤ 5"

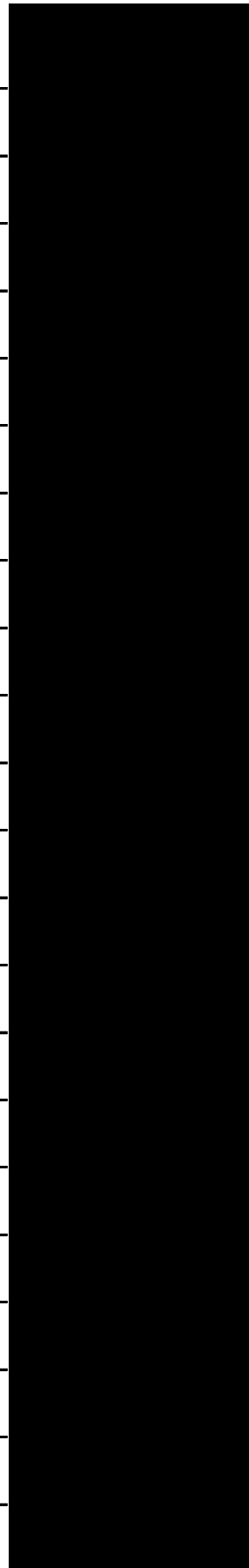
NA
NA
NA
NA
NA
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NA
NA
With Main Opening- Type 1 <u>or</u> 2
With Main Opening- Type 1 <u>or</u> 2
With Main Opening- Type 1 <u>or</u> 2
With Main Opening- Type 1 <u>or</u> 2
With Main Opening- Type 1 <u>or</u> 2

With Main Opening- Type 1 <u>or</u> 2
With 1 Main Opening- Type 2
With 1 Main Opening- Type 2
With 1 Main Opening- Type 2
With 1 Main Opening- Type 2
With 1 Main Opening- Type 2
With 1 Main Opening- Type 2
With 1 Main Opening- Type 2
With Main Opening- Type 1 <u>or</u> 2
With Main Opening- Type 1 <u>or</u> 2
With Main Opening- Type 1 <u>or</u> 2
With Main Opening- Type 1 <u>or</u> 2
With Main Opening- Type 1 <u>or</u> 2
With Main Opening- Type 1 <u>or</u> 2
With Main Opening- Type 1 <u>or</u> 2
With 1 Service Line Opening
With 1 Main Opening- Type 2
With 1 Service Line Opening
With 1 Main Opening- Type 2
NA
NA
With Main Opening- Type 1 <u>or</u> 2
With Main Opening- Type 1 <u>or</u> 2
With 1 Service Line Opening
With 1 Service Line Opening
With Main Opening- Type 1 <u>or</u> 2

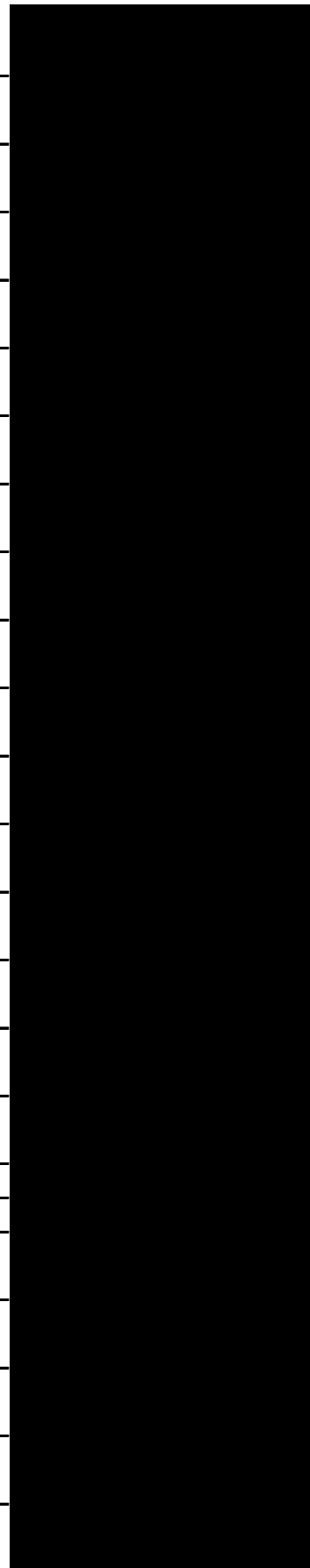
Stratas	Unit of Measure	PID	Eastern Price (Talham for Restoration)
NA	%	002	
Soft Surface	Per LF	200	
Hard Surface: Asphalt ≤ 8"	Per LF	201	
H.S: Asphalt & Concrete Base ≤ 12"	Per LF	202	
Soft Surface	Per LF	203	
Hard Surface: Asphalt ≤ 8"	Per LF	204	
H.S: Asphalt & Concrete Base ≤ 12"	Per LF	205	
Soft Surface	Per LF	206	
Hard Surface: Asphalt ≤ 8"	Per LF	207	
H.S: Asphalt & Concrete Base ≤ 12"	Per LF	208	
Soft Surface	Per LF	209	
Hard Surface: Asphalt ≤ 8"	Per LF	210	
H.S: Asphalt & Concrete Base ≤ 12"	Per LF	211	
Soft Surface	Per LF	212	
Hard Surface: Asphalt ≤ 8"	Per LF	213	
H.S: Asphalt & Concrete Base ≤ 12"	Per LF	214	
Soft Surface	Per LF	215	
Hard Surface: Asphalt ≤ 8"	Per LF	216	
H.S: Asphalt & Concrete Base ≤ 12"	Per LF	217	
Soft Surface	Per LF	218	
Hard Surface: Asphalt ≤ 8"	Per LF	219	
H.S: Asphalt & Concrete Base ≤ 12"	Per LF	220	
Soft Surface	Per LF	221	
Hard Surface: Asphalt ≤ 8"	Per LF	222	
H.S: Asphalt & Concrete Base ≤ 12"	Per LF	223	
Soft Surface	Per LF	224	
Hard Surface: Asphalt ≤ 8"	Per LF	225	
H.S: Asphalt & Concrete Base ≤ 12"	Per LF	226	
Soft Surface	Per LF	227	
Hard Surface: Asphalt ≤ 8"	Per LF	228	
H.S: Asphalt & Concrete Base ≤ 12"	Per LF	229	
Soft Surface	Per LF	230	
Hard Surface: Asphalt ≤ 8"	Per LF	231	
H.S: Asphalt & Concrete Base ≤ 12"	Per LF	232	
Soft Surface	Per LF	233	
Hard Surface: Asphalt ≤ 8"	Per LF	234	
H.S: Asphalt & Concrete Base ≤ 12"	Per LF	235	
Soft Surface	Per LF	236	
Hard Surface: Asphalt ≤ 8"	Per LF	237	
H.S: Asphalt & Concrete Base ≤ 12"	Per LF	238	
Soft Surface	Per LF	239	
Hard Surface: Asphalt ≤ 8"	Per LF	240	
H.S: Asphalt & Concrete Base ≤ 12"	Per LF	241	
Soft Surface	Per LF	242	
Hard Surface: Asphalt ≤ 8"	Per LF	243	

H.S: Asphalt & Concrete Base ≤ 12"	Per LF	244
Soft Surface	Per LF	245
Hard Surface: Asphalt ≤ 8"	Per LF	246
H.S: Asphalt & Concrete Base ≤ 12"	Per LF	247
Soft Surface	Per LF	248
Hard Surface: Asphalt ≤ 8"	Per LF	249
H.S: Asphalt & Concrete Base ≤ 12"	Per LF	250
Soft Surface	Per LF	251
Hard Surface: Asphalt ≤ 8"	Per LF	252
H.S: Asphalt & Concrete Base ≤ 12"	Per LF	253
Soft Surface	Per LF	254
Hard Surface: Asphalt ≤ 8"	Per LF	255
H.S: Asphalt & Concrete Base ≤ 12"	Per LF	256
Soft Surface	Per LF	257
Hard Surface: Asphalt ≤ 8"	Per LF	258
H.S: Asphalt & Concrete Base ≤ 12"	Per LF	259
Soft Surface	Per LF	260
Hard Surface: Asphalt ≤ 8"	Per LF	261
H.S: Asphalt & Concrete Base ≤ 12"	Per LF	262
Soft Surface	Per LF	263
Hard Surface: Asphalt ≤ 8"	Per LF	264
H.S: Asphalt & Concrete Base ≤ 12"	Per LF	265
Soft Surface	Per LF	266
Hard Surface: Asphalt ≤ 8"	Per LF	267
H.S: Asphalt & Concrete Base ≤ 12"	Per LF	268
Soft Surface	Per LF	269
Hard Surface: Asphalt ≤ 8"	Per LF	270
H.S: Asphalt & Concrete Base ≤ 12"	Per LF	271
NA	Per LF	272
NA	Per LF	273
NA	Per LF	274
NA	Per LF	275
NA	Per LF	276
NA	Per LF	277
NA	Per LF	278
NA	Each	279
NA	Each	280
NA	Each	281
NA	Each	282
NA	Per LF	283
NA	%	284
NA	%	285
NA	Per LF	286
NA	Per LF	287
NA	Per LF	288
NA	Per LF	289

B: Asphalt: ≤ 3"	Each	300	
C: Asphalt: 4-6"	Each	301	
D: Asphalt: 7-9"	Each	302	
E: Asphalt/Concrete: ≤ 12"	Each	303	
F: Side Walk: ≤ 5" (≤ 25 sq./ft.)	Each	304	
X: Pavement w/ No Final Restoration	Each	305	
B: Asphalt: ≤ 3"	Each	306	
C: Asphalt: 4-6"	Each	307	
D: Asphalt: 7-9"	Each	308	
E: Asphalt/Concrete: ≤ 12"	Each	309	
F: Side Walk: ≤ 5" (≤ 25 sq./ft.)	Each	310	
X: Pavement w/ No Final Restoration	Each	311	
B: Asphalt: ≤ 3"	Each	312	
C: Asphalt: 4-6"	Each	313	
D: Asphalt: 7-9"	Each	314	
E: Asphalt/Concrete: ≤ 12"	Each	315	
F: Side Walk: ≤ 5" (≤ 25 sq./ft.)	Each	316	
X: Pavement w/ No Final Restoration	Each	317	
A: Dirt/Grass/Gravel	Lump Sum	318	
A: Dirt/Grass/Gravel	Lump Sum	319	
A: Dirt/Grass/Gravel	Lump Sum	320	
A: Dirt/Grass/Gravel	Lump Sum	321	
A: Dirt/Grass/Gravel	Lump Sum	322	



A: Dirt/Grass/Gravel	Lump Sum	323	
A: Dirt/Grass/Gravel	Lump Sum	324	
A: Dirt/Grass/Gravel	Lump Sum	325	
A: Dirt/Grass/Gravel	Lump Sum	326	
A: Dirt/Grass/Gravel	Lump Sum	327	
A: Dirt/Grass/Gravel	Lump Sum	328	
A: Dirt/Grass/Gravel	Lump Sum	329	
A: Dirt/Grass/Gravel	Lump Sum	330	
A: Dirt/Grass/Gravel	Lump Sum	331	
A: Dirt/Grass/Gravel	Lump Sum	332	
A: Dirt/Grass/Gravel	Lump Sum	333	
A: Dirt/Grass/Gravel	Lump Sum	334	
A: Dirt/Grass/Gravel	Lump Sum	335	
A: Dirt/Grass/Gravel	Lump Sum	336	
A: Dirt/Grass/Gravel	Lump Sum	337	
A: Dirt/Grass/Gravel	Lump Sum	338	
A: Dirt/Grass/Gravel	Lump Sum	339	
NA	Per LF	340	
NA	Per LF	341	
A: Dirt/Grass/Gravel	Lump Sum	342	
A: Dirt/Grass/Gravel	Lump Sum	343	
A: Dirt/Grass/Gravel	Lump Sum	344	
A: Dirt/Grass/Gravel	Lump Sum	345	
A: Dirt/Grass/Gravel	Lump Sum	346	



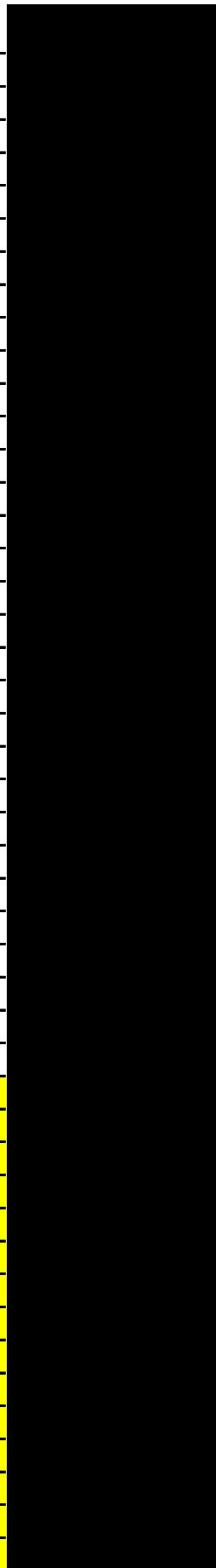
A: Dirt/Grass/Gravel	Lump Sum	347
A: Dirt/Grass/Gravel	Lump Sum	348
A: Dirt/Grass/Gravel	Lump Sum	349
A: Dirt/Grass/Gravel	Each	350
NA	Per LF	351
A: Dirt/Grass/Gravel	Lump Sum	352
A: Dirt/Grass/Gravel	Each	353
A: Dirt/Grass/Gravel	Each	354
A: Dirt/Grass/Gravel	Each	355
NA	Each	356
NA	EA	357
A: Dirt/Grass/Gravel	EA	358
NA	Each	359
NA	Each	360
NA	Per LF	361
NA	Per LF	362
NA	Each	363
NA	Each	364
NA	Each	365
NA	Each	366
NA	Each	367
NA	Per meter	368
NA	Per meter	369
NA	Per meter	370
NA	Each	371
NA	Each	372
A: Dirt/Grass/Gravel	Each	373
A: Dirt/Grass/Gravel	Each	374
NA	Lump Sum	400
NA	Lump Sum	401
NA	Lump Sum	402
NA	Per LF	403
NA	Per LF	404
NA	Per LF	405
A: Dirt/Grass/Gravel	Lump Sum	406
NA	Per LF	407
NA	Per LF	408
NA	Per LF	409
NA	Per LF	410
NA	Per LF	411
NA	Per LF	412
NA	Per LF	413

NA	Per LF	414
NA	Per LF	415
NA	Per LF	416
NA	Lump Sum	417
NA	Lump Sum	418
A: Dirt/Grass/Gravel	Each	419
B: Asphalt: ≤ 3"	Each	420
C: Asphalt: 4-6"	Each	421
D: Asphalt: 7-9"	Each	422
E: Asphalt/Concrete: ≤ 12"	Each	423
F: Side Walk: ≤ 5" (≤ 25 sq./ft.)	Each	424
X: Pavement w/ No Final Restoration	Each	425
A: Dirt/Grass/Gravel	Each	426
B: Asphalt: ≤ 3"	Each	427
C: Asphalt: 4-6"	Each	428
D: Asphalt: 7-9"	Each	429
E: Asphalt/Concrete: ≤ 12"	Each	430
F: Side Walk: ≤ 5" (≤ 50 sq./ft.)	Each	431
X: Pavement w/ No Final Restoration	Each	432
A: Dirt/Grass/Gravel	Each	433
B: Asphalt: ≤ 3"	Each	434
C: Asphalt: 4-6"	Each	435
D: Asphalt: 7-9"	Each	436
E: Asphalt/Concrete: ≤ 12"	Each	437
F: Side Walk: ≤ 5" (≤ 50 sq./ft.)	Each	438
X: Pavement w/ No Final Restoration	Each	439
A: Dirt/Grass/Gravel	Each	500
B: Asphalt: ≤ 3"	Each	501
C: Asphalt: 4-6"	Each	502
D: Asphalt: 7-9"	Each	503
E: Asphalt/Concrete: ≤ 12"	Each	504
F: Side Walk: ≤ 5" (≤ 25 sq./ft.)	Each	505
X: Pavement w/ No Final Restoration	Each	506
A: Dirt/Grass/Gravel	Each	507
B: Asphalt: ≤ 3"	Each	508
C: Asphalt: 4-6"	Each	509
D: Asphalt: 7-9"	Each	510
E: Asphalt/Concrete: ≤ 12"	Each	511
F: Side Walk: ≤ 5" (≤ 50 sq./ft.)	Each	512
X: Pavement w/ No Final Restoration	Each	513
A: Dirt/Grass/Gravel	Lump Sum	514
A: Dirt/Grass/Gravel	Lump Sum	515
A: Dirt/Grass/Gravel	Lump Sum	516
NA	Each	517
NA	Each	518
NA	Each	519
NA	Each	520

NA	Each	521
NA	Each	522
NA	Each	523
NA	Each	524
NA	Each	525
NA	Each	526
NA	Each	527
NA	Each	528
NA	Each	529
NA	Each	530
NA	Each	531
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NA	Each	559
NA	Each	560
NA	Each	561
NA	Each	562
NA	Each	563
NA	Each	564
NA	Each	565
NA	Each	566
NA	Each	567



NA	Each	568	
NA	Each	569	
NA	Each	570	
NA	Per LF	571	
Rough Grade	Per LF	601	
Rough Grade	Per LF	602	
Rough Grade	Per LF	603	
Rough Grade	Per LF	604	
Rough Grade	Per LF	605	
Rough Grade	Per LF	606	
Rough Grade	Per LF	607	
Rough Grade	Per LF	608	
Rough Grade	Per LF	609	
Rough Grade	Per LF	610	
Rough Grade	Per LF	611	
Rough Grade	Each	612	
Rough Grade	Each	613	
Rough Grade	Each	614	
Rough Grade	Each	615	
Rough Grade	Each	616	
Rough Grade	Each	617	
Rough Grade	Each	618	
Rough Grade	Each	619	
NA	Each	700	
NA	Each	701	
NA	Each	702	
A: Dirt/Grass/Gravel	Each	703	
A: Dirt/Grass/Gravel	Each	704	
NA	Each	705	
NA	Each	706	
A: Dirt/Grass/Gravel	Each	707	
A: Dirt/Grass/Gravel	Each	708	
Asphalt: ≤ 3"	Per LF	800	
Asphalt: 4"-6"	Per LF	801	
Asphalt: 7"-9"	Per LF	802	
Asphalt/Concrete: ≤ 12"	Per LF	803	
Asphalt: ≤ 3"	Per LF	804	
Asphalt: 4"-6"	Per LF	805	
Asphalt: 7"-9"	Per LF	806	
Asphalt/Concrete: ≤ 12"	Per LF	807	
Asphalt: ≤ 3"	Per LF	808	
Asphalt: 4"-6"	Per LF	809	
Asphalt: 7"-9"	Per LF	810	
Asphalt/Concrete: ≤ 12"	Per LF	811	
Asphalt: ≤ 3"	Per LF	812	
Asphalt: 4"-6"	Per LF	813	
Asphalt: 7"-9"	Per LF	814	



Asphalt/Concrete: ≤ 12"	Per LF	815	
Asphalt: ≤ 3"	Per LF	816	
Asphalt: 4" - 6"	Per LF	817	
Asphalt: 7" - 9"	Per LF	818	
Asphalt/Concrete: ≤ 12"	Per LF	819	
Asphalt: ≤ 3"	Per LF	820	
Asphalt: 4" - 6"	Per LF	821	
Asphalt: 7" - 9"	Per LF	822	
Asphalt/Concrete: ≤ 12"	Per LF	823	
Asphalt: ≤ 3"	Per LF	824	
Asphalt: 4" - 6"	Per LF	825	
Asphalt: 7" - 9"	Per LF	826	
Asphalt/Concrete: ≤ 12"	Per LF	827	
Asphalt: ≤ 3"	Per LF	828	
Asphalt: 4" - 6"	Per LF	829	
Asphalt: 7" - 9"	Per LF	830	
Asphalt/Concrete: ≤ 12"	Per LF	831	
Asphalt: ≤ 3"	Per LF	832	
Asphalt: 4" - 6"	Per LF	833	
Asphalt: 7" - 9"	Per LF	834	
Asphalt/Concrete: ≤ 12"	Per LF	835	
Asphalt/Concrete (per City Spec)	Per LF	836	
Asphalt/Concrete (per City Spec)	Per LF	837	
Asphalt: ≤ 3"	Per SF	838	
Asphalt: 4"-6"	Per SF	839	
Asphalt: 7"-9"	Per SF	840	
Asphalt/Concrete <12"	Per SF	862	
NA	Per SF	841	
NA	Per SF	842	
NA	Per SF	843	
Concrete	Per SF	844	
Concrete	Per SF	845	
Concrete	Per SF	846	
Concrete	Per SF	847	
NA	Per LF	848	
NA	Per LF	849	
NA	Per LF	850	
NA	Per LF	851	
NA	Per Dowel	852	
NA	Per ramp	853	
Hot Mix	Per SF	854	
Hot Mix	Per SF	855	
Mill & Asphalt ≤ 2"	Per SF	856	
Concrete w/ reinforcement	Per SF	857	
Concrete w/ reinforcement	Per SF	858	
Concrete w/ reinforcement	Per SF	859	

Grass	Per SF	860
Grass	Per SF	861
A: Dirt/Grass/Gravel	Each	900
B: Asphalt: ≤ 3"	Each	901
C: Asphalt: 4-6"	Each	902
D: Asphalt: 7-9"	Each	903
E: Asphalt/Concrete: ≤ 12"	Each	904
F: Side Walk: ≤ 5" (≤ 25 sq./ft.)	Each	905
X: Pavement w/ No Final Restoration	Each	906
NA	Each	907
NA	Each	908
NA	Each	909
NA	Per LF	910
NA	Each	911
NA	Per Day	912
NA	Per CY	913
NA	Per CY	914
NA	Per Ton	915
NA	Per Ton	916
NA	Per Ton	917
NA	Per Ton	918
NA	Per Ton	919
NA	Per Each	920
NA	Per Hour	100
NA	Per Hour	101
NA	Per Hour	102
NA	Per Hour	103
NA	Per Hour	104
NA	Per Hour	105
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NA	Per Hour	176	
NA	Per Day	177	
NA	Per Hour	178	
NA	Per Hour	179	
NA	Per Hour	180	
NA	Per Hour	181	
NA	Per Hour	182	

