



Addendum No. 1 to Contract Documents

Project	Water District No. 2 Distribution System Replacement	Project No.	8616265
Owner	Town of North Castle, New York	Federal Project No.	--
Contract No.	1 - General	Date	June 3, 2014

To All Contractors:

Contractors submitting proposals for the above-named project shall take note of the following changes, additions, deletions, clarifications, etc., in the Contract Documents, which shall become a part of and have precedence over anything contrarily shown or described in the Contract Documents, and all such shall be taken into consideration and be included in the Contractor's Bid Proposal.

(See attached pages.)

The return receipt requested with this communication is to be deemed evidence that the bidder has received this addendum and has followed the instructions outlined therein.

Kevin Castro, P.E.





Addendum No. 1 to Contract Documents
Water District No. 2 Distribution System Replacement
Town of North Castle, NY
Contract No. 1-General
GHD Project No. 8616265
June 3, 2014

Item No. 1:

Invitation to Bid. In the first paragraph, **CHANGE** "June 6, 2014" to "June 11, 2014."

Item No. 2:

Bid Form. **DELETE** pages 00410-1 through 00410-7 and **REPLACE** with attached Bid Form pages 00410-1 through 00410-8 (Attachment No. 1).

Item No. 3:

Agreement. In paragraph 4.02.A, in the first sentence, **DELETE** "240 days" and **REPLACE** with "320 days."

Item No. 4:

Exhibit D (to the Agreement). **ADD** the following drawing title to the end of the list of drawings: "C51 - Temporary/Bypass Water Service Plan and Details."

Item No. 5:

Technical Provisions. Section 01010, Summary of Work.

- A. In the table under paragraph 1.10.A, in the third line, **CHANGE** "Pond Lake" to "Pond Lane" in the Road column.
- B. In the Notes column, also in the third line, **ADD** the word "Potential" to the beginning of the description, before the words "Dry tap...."
- C. **ADD** new paragraph(s) 1.10.B as follows:

"B. Milestones

- 1. Contractor shall furnish, install, and complete all water mains, services, appurtenances, testing, any removal required, and putting into service the water distribution system along Evergreen Row, North Lake Road, and Pond Lane by November 1, 2014.
- 2. These three roadways shall be ready for final paving by others by November 1, 2014.
- 3. Winter Shutdown – There will be a winter shutdown allowance of 120 days included in the 320 days for the Substantial Complete milestone. During the winter shutdown, the Contractor will not perform any work unless written authorization is granted by Owner and Engineer."

Item No. 6:

Technical Provisions. Section 01025, Unit Price Items (Bid Item Descriptions).

- A. On page 01025-2, **REVISE** the following Bid Item titles:

- 1. For B-13, **DELETE** the title "1-Inch Corporation Stop, Curb Box, Curb Stop, and Covers" and **REPLACE** with "Unstable Soil Conditions - Type III Special Trench Conditions."



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2. For B-27, **DELETE** the title "Pipe Abandonment/Removal" and **REPLACE** with "Pipe Abandonment."
 3. For B-30, **DELETE** the title "Meter Pits" and **REPLACE** with "Meter Pits (1-Inch Service)."
 4. For B-32, **DELETE** the title "Pavement Milling/Demolition" and **REPLACE** with "Pavement Milling/Removal."
 5. **ADD** Bid Item B-33, Natural Gas Main Bedding (Attachment No. 2).
 6. **ADD** Bid Item B-34, Pipe Removal (Attachment No. 3).
 7. **REVISE** the last line of the table to read: "Subtotal (Sum of Items B-1 through B-34)."
- B. Bid Item B-4. Under B. Work Included Under This Item, **ADD** "Demolition (Section 02030)" as the second item following "General Requirements (Sections 01010 through 01700)."
- C. Bid Item B-5. Under B. Work Included Under This Item, **ADD** "Demolition (Section 02030)" as the second item following "General Requirements (Sections 01010 through 01700)."
- D. Bid Item B-6. Under B. Work Included Under This Item, **ADD** "Demolition (Section 02030)" as the second item following "General Requirements (Sections 01010 through 01700)."
- E. Bid Item B-7.
1. Under A. Description, in the third line, **ADD** the words "hydrant tee" following the words "6-inch pipe lateral."
 2. Under C. Associated Work Not Included Under This Item, for the "Final Cleanup and Site Rehabilitation" line item, **DELETE** "Bid Item A-2" and **REPLACE** with "Bid Item B-21."
- F. Bid Item B-8. Under C. Associated Work Not Included Under This Item, for the "Final Cleanup and Site Rehabilitation" line item, **DELETE** "Bid Item A-2" and **REPLACE** with "Bid Item B-31."
- G. Bid Item B-9. Under C. Associated Work Not Included Under This Item, for the "Final Cleanup and Site Rehabilitation" line item, **DELETE** "Bid Item A-2" and **REPLACE** with "Bid Item B-31."
- H. Bid Item B-10. Under C. Associated Work Not Included Under This Item, for the "Final Cleanup and Site Rehabilitation" line item, **DELETE** "Bid Item A-2" and **REPLACE** with "Bid Item B-31."
- I. **DELETE** Bid Item B-11 and **REPLACE** with attached Bid Item B-11 (Attachment No. 4).
- J. **DELETE** Bid Item B-12 and **REPLACE** with attached Bid Item B-12 (Attachment No. 5).
- K. **DELETE** Bid Item B-13 and **REPLACE** with attached Bid Item B-13 (Attachment No. 6).
- L. Bid Item B-14. Under C. Associated Work Not Included Under This Item, for the "Final Cleanup and Site Rehabilitation" line item, **DELETE** "Bid Item A-2" and **REPLACE** with "Bid Item B-31."
- M. Bid Item B-15. Under C. Associated Work Not Included Under This Item, for the "Final Cleanup and Site Rehabilitation" line item, **DELETE** "Bid Item A-2" and **REPLACE** with "Bid Item B-31."



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- N. Bid Item B-19. Under B. Work Included Under This Item, **ADD** "Demolition (Section 02030)" as the second item following "General Requirements (Sections 01010 through 01700)."
- O. Bid Item B-20. Under B. Work Included Under This Item, **ADD** "Demolition (Section 02030)" as the second item following "General Requirements (Sections 01010 through 01700)."
- P. Bid Item B-25. Under C. Associated Work Not Included Under This Item, **DELETE** "Bid Item B-30" and **REPLACE** with "Bid Item B-31."
- Q. Bid Item B-26. **ADD** the following two entries under B. Work Included Under This Item:

"Trenching (Section 02225)
Water Distribution Piping (Section 02661)"
- R. Bid Item B-27. **REVISE** the title of the Bid Item to be "Pipe Abandonment."
- S. Bid Item B-30. **REVISE** the title of the Bid Item to be "Meter Pits (1-Inch Service)."
- T. Bid Item B-31. In the second line on the page, **DELETE** "BID ITEM B-29" and **REPLACE** with "BID ITEM B-31."
- U. Bid Item B-32.
1. In the second line on the page, **DELETE** "BID ITEM B-30" and **REPLACE** with "BID ITEM B-32."
 2. **REVISE** the title of the Bid Item to be "Pavement Milling/Removal."
 3. In the second line of A. Description, **ADD** the words "and remove" following the word "mill."

Item No. 5:

Technical Provisions. **ADD** new Section 01026, Lump Sum Items (Bid Item Descriptions) (Attachment No. 7).

Item No. 6:

Technical Provisions. Section 01700, Contract Closeout. **DELETE** the last sentence of paragraph 1.03.A.2 and **REPLACE** with the following: "The Contractor will provide the services of a registered professional surveyor licensed in the State of New York to provide the information or provide GPS data (coordinates, description, and point number) with an accuracy of 1 foot."

Item No. 7:

Technical Provisions. Section 02661, Water Distribution Piping.

- A. In paragraph 2.03.C, **DELETE** "flare-type" and **REPLACE** with "compression."
- B. **DELETE** paragraph 2.03.D in its entirety and **REPLACE** with the following:

"D. Joints - Copper joints shall be thoroughly cleaned."



C. **DELETE** paragraph 3.13.B in its entirety and **REPLACE** with the following:

"B. The Contractor shall verify location of each existing water service. At that time, the Contractor shall also furnish to each property owner a card which reads as follows:

IMPORTANT NOTICE

A water main will be constructed on your street shortly. A water service will be installed from the water main to the edge of the street right-of-way or permanent easement to serve your property or house as applicable. Please be patient with the construction, as your street and property will be restored after the installation of the water main system.

Thank you for your cooperation.

(Name, address and telephone number of Contractor)"

D. In the table under Article 3.16, in the third line, **CHANGE** "Pond Lake" to "Pond Lane" in the Road column.

E. In the Notes column, also in the third line, **ADD** the word "Potential" to the beginning of the description, before the words "Dry tap...."

Item No. 8:

On **ALL** drawings, at every occurrence of "4 feet 6 inches" referring to minimum cover," **REPLACE** with "4 feet 0 inches."

Item No. 9:

ADD the following notes to Drawing G002:

- "24. Contractor shall notify Engineer, Owner, and Westchester County Department of Health 48 hours prior to all pressure testing.
25. Natural gas main locations plan locations are approximate. Contractor shall maintain 5 feet horizontal separation from natural gas main locations identified in the field. Contractor shall adjust water main installation as needed in the field to maintain 5 feet horizontal separation. If 5 feet separation cannot be achieved, Contractor shall notify Engineer at least 24 hours in advance of the water main installation on the area where horizontal separation cannot be achieved. Engineer will discuss the possibility of reducing separation with the utility company.
26. When crossing a natural gas main, Contractor shall maintain 12 inches of vertical clearance beneath the natural gas main and top of pipe of the new water main. Contractor shall provide vertical clearance by pipe deflection which shall be considered included in the bid item to install water main."



Item No. 10:

ADD the following note to Drawings C041 and C042: "Contractor shall install a temporary water service prior to commencement of work along Pond Lane."

Item No. 11:

REMOVE Drawing C046 and **REPLACE** with Drawing C046 (Attachment No. 8).

Item No. 12:

REMOVE Drawing C047 and **REPLACE** with Drawing C047 (Attachment No. 9).

Item No. 13:

REMOVE Drawing C048 and **REPLACE** with Drawing C048 (Attachment No. 10).

Item No. 14:

REMOVE Drawing C049 and **REPLACE** with Drawing C049 (Attachment No. 11).

Item No. 15:

Clarifications to the Specifications

1. Is a licensed surveyor needed to lay out the water main?

Clarification: A licensed surveyor is not required to lay out the water main.

2. Will pay items be included for 1-1/2-inch and 2-inch water services?

Clarification: All new services shall be 1 inch (Town Standard).

3. Please define Type 1 foundation as specified for pipe bedding in normal soil conditions.

Clarification: Refer to Section 02225, Article 2.02.

4. Are the gravel base and subbase layers in the roadway restoration paid in the Select Backfill Item?

Clarification: Trenching backfill will be paid for under Bid Items B-4, B-5, and B-6. Gravel base course will be paid for under Bid Items B-4, B-5, and B-6. Permanent pavement (binder and top) will be paid for under Bid Item B-18.

5. What is the difference between special select backfill and select backfill in terms of material spec and where each is to be used on the job?

Clarification: Refer to Section 02225, Article 2.02. Special select backfill is used in unstable soil conditions only. Special select backfill will be paid for by Bid Item B-15.



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6. Is the temporary pavement including the subbase layer to be completely removed before installing final pavement?

Clarification: Yes.

7. Does the Bid Item B-32, Pavement Milling, pay item quantity of 12,500 SY represent only the area of pavement cutback for trench restoration, i.e., 12 inches on either side of the trenches in roadway?

Clarification: Yes.

8. Who is supplying "Y" adaptors for house hose bibs?

Clarification: Contractor shall supply adaptors, as needed.

9. What is the diameter of the temporary piping?

Clarification: 4 inches.

10. Are any of the roadways to be restored NYSDOT owned?

Clarification: There is currently no work in NYSDOT right-of-way.

11. Will a temporary bypass be required on Oak Ridge off of Pond Lane?

Clarification: Only required where indicated.

12. Is there a specification or description of the allowance items C1 and C2?

Clarification: Refer to Section 01019, Contract Considerations.

13. Is all necessary pavement removal to be paid under the Pavement Milling/Demolition item?

Clarification: Only pavement milling to be paid under Bid Item B-32.

14. Can roads be closed to "thru traffic" during construction?

Clarification: Contractor shall maintain local traffic and thru-traffic for all emergency vehicles and school buses. Contractor shall notify emergency personnel/departments of any road closures.

15. Can imported fittings be used?

Clarification: Fittings must meet the requirements in the specifications. Deviations will not be accepted

16. Can recycled item 4 and gravel be used?

Clarification: Recycled Item No. 4 cannot be used.

17. If additional fittings are needed where not shown on the plans, will this be paid under Item B-14?

Clarification: If additional fittings are needed, they will be paid for under Item B-14.



18. Where will the milling be required?

Clarification: Top course of final payment restoration.

19. What type of material is the existing water main on Long Pond Road?

Clarification: Long Pond Road existing piping consists of CIP and ACP as identified on the Town's existing strip maps.

Item No. 16:

Clarifications to the Drawings

1. Detail 29 on Sheet C049 is for an anchor collar. Is this only applicable to reducers?

Clarification: Detail 29 is for reducers only.

2. On Sheet C034, it shows an existing 1-1/2-inch service. There is no item for 1-1/2-inch service connections.

Clarification: All new service connection are 1 inch; adaptors may be required

3. Does the "service easement" on Sheet C035 need to be staked by a licensed surveyor?

Clarification: Existing easement follows an existing asphalt access road; no survey required.

4. Will any pavement be disturbed when installing water main in the "service easement" shown on Sheet C035? If yes, what type of pavement restoration is required?

Clarification: Yes, the asphalt area disturbed during the installation of the water main, with the service easement, shall be restored in accordance with the residential asphalt driveway restoration detail.

CONTRACTOR'S BID
FOR
CONSTRUCTION OF CONTRACT NO. 1
WATER DISTRICT NO. 2 DISTRIBUTION SYSTEM REPLACEMENT
TOWN OF NORTH CASTLE, NEW YORK

ARTICLE 1 - BID RECIPIENT

1.01. THIS BID IS SUBMITTED TO:

Town of North Castle
15 Bedford Road
Armonk, NY 10504

- 1.02. The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an Agreement with Owner in the form included in the Bidding Documents to perform all Work as specified or indicated in the Bidding Documents for the prices and within the times indicated in this Bid and in accordance with the other terms and conditions of the Bidding Documents.

ARTICLE 2 - BIDDER'S ACKNOWLEDGEMENTS

- 2.01. Bidder accepts all of the terms and conditions of the Instructions to Bidders, including without limitation those dealing with the disposition of Bid security. This Bid will remain subject to acceptance for 45 days after the Bid opening, or for such longer period of time that Bidder may agree to in writing upon request of Owner.

ARTICLE 3 - BIDDER'S REPRESENTATIONS

3.01. In submitting this Bid, Bidder represents that:

- A. Bidder has examined and carefully studied the Bidding Documents, other related data identified in the Bidding Documents, and the following Addenda, receipt of all which is hereby acknowledged:

Addendum No.	Addendum Date
_____	_____
_____	_____
_____	_____

- B. Bidder has visited the Site and become familiar with and is satisfied as to the general, local, and Site conditions that may affect cost, progress, and performance of the Work.
- C. Bidder is familiar with and is satisfied as to all Laws and Regulations that may affect cost, progress, and performance of the Work.
- D. Bidder has carefully studied all: (1) reports of explorations and tests of subsurface conditions at or contiguous to the Site and all drawings of physical conditions relating to existing surface or subsurface structures at the Site (except Underground Facilities) that have been identified in SC-4.02 as containing reliable "technical data", and (2) reports and drawings of Hazardous Environmental Conditions, if any, at the Site that have been identified in SC-4.06 as containing reliable "technical data."

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- E. Bidder has considered the information known to Bidder; information commonly known to contractors doing business in the locality of the Site; information and observations obtained from visits to the Site; the Bidding Documents; and the Site-related reports and drawings identified in the Bidding Documents, with respect to the effect of such information, observations, and documents on (1) the cost, progress, and performance of the Work; (2) the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder, including applying the specific means, methods, techniques, sequences, and procedures of construction expressly required by the Bidding Documents; and (3) Bidder's safety precautions and programs.
- F. Based on the information and observations referred to in Paragraph 3.01.E above, Bidder does not consider that any further examinations, investigations, explorations, tests, studies, or data are necessary for the determination of this Bid for performance of the Work at the price(s) bid and within the times required, and in accordance with the other terms and conditions of the Bidding Documents.
- G. Bidder is aware of the general nature of work to be performed by others at the Site that relates to the Work as indicated in the Bidding Documents.
- H. Bidder has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder has discovered in the Bidding Documents, and the written resolution thereof by Engineer is acceptable to Bidder.
- I. The Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for the performance of the Work for which this Bid is submitted.

ARTICLE 4 - BIDDER'S CERTIFICATION

4.01. Bidder certifies that:

- A. This Bid is genuine and not made in the interest of or on behalf of any undisclosed individual or entity and is not submitted in conformity with any collusive agreement or rules of any group, association, organization, or corporation;
- B. Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid;
- C. Bidder has not solicited or induced any individual or entity to refrain from bidding; and
- D. Bidder has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for the Contract. For the purposes of this Article:
 - 1. "corrupt practice" means the offering, giving, receiving, or soliciting of any thing of value likely to influence the action of a public official in the bidding process;
 - 2. "fraudulent practice" means an intentional misrepresentation of facts made (a) to influence the bidding process to the detriment of Owner, (b) to establish bid prices at artificial non-competitive levels, or (c) to deprive Owner of the benefits of free and open competition;
 - 3. "collusive practice" means a scheme or arrangement between two or more Bidders, with or without the knowledge of Owner, a purpose of which is to establish bid prices at artificial, non-competitive levels; and

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4. "coercive practice" means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the bidding process or affect the execution of the Contract.

ARTICLE 5 - BASIS OF BID

- 5.01. Bidder will perform the Work in accordance with the Contract Documents for the prices shown in the Bid Schedule that follow.
- 5.02. Bidder acknowledges that Bidder's price(s) constitute Bidder's sole compensation for performing all Work required by the Contract Documents, and if a particular part of the Work is not listed specifically in the Bid Item Descriptions, Bidder has included that part of the Work in the Bid Item Description which it most logically belongs.
 - A. Schedule A: Lump Sum Bid Items: Lump Sum items included all Work in the Contract Documents except items specifically identified as Unit Price Work, Contingent Unit Price Work, Additive Alternates, Deductive Alternates, and Allowances.

Item No.	Description	Total Price
A-1	General Construction	\$
Subtotal (Item A-1)		\$

- B. Schedule B: Unit Price Work: Measurement and payment of Unit Price Work is defined in Section 01025, Unit Price Items.
 1. Unit Prices have been computed in accordance with General Conditions Article 11.03.B.
 2. Bidders acknowledge that estimated quantities are not guaranteed, and are solely for the purposes of comparison of Bids, and final payment for all Unit Price Work will be based on actual quantities, determined as provided in the Contract Documents.

Item No.	Description	Unit	Estimated Quantity	Unit Price	Bid Price
B-1	Exploratory Excavation	CY	400	\$	\$
B-2	Excavation Below Subgrade (Additional Trench Excavation)	CY	500	\$	\$
B-3	Rock Excavation	CY	1,500	\$	\$
B-4	6-Inch Ductile Iron Water Main and Fittings, In Place	LF	600	\$	\$
B-5	8-Inch Ductile Iron Water Main and Fittings, In Place	LF	48,200	\$	\$
B-6	12-Inch Ductile Iron Water Main and Fittings, In Place	LF	1,600	\$	\$
B-7	Hydrant Assembly, Complete	Each	130	\$	\$
B-8	6-Inch Gate Valve, In Place	Each	10	\$	\$

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Item No.	Description	Unit	Estimated Quantity	Unit Price	Bid Price
B-9	8-Inch Gate Valve, In Place	Each	110	\$	\$
B-10	12-Inch Gate Valve, In Place	Each	10	\$	\$
B-11	Copper Water Service Connections, Near Side	Each	173	\$	\$
B-12	Copper Water Service Connections, Far Side	Each	200	\$	\$
B-13	Unstable Soil Conditions - Type III Special Trench Conditions	LF	200	\$	\$
B-14	Additional Compact Ductile Iron Fittings, In Place	Lb.	13,000	\$	\$
B-15	Select Backfill Materials, NYSDOT Course 304, Type 4 (Pipe Trench Special Backfill)	CY	500	\$	\$
B-16	Temporary Pavement Replacement	SY	17,000	\$	\$
B-17	Abandonment of Existing Water Services	Each	373	\$	\$
B-18	Permanent Pavement Replacement	SY	21,200	\$	\$
B-19	Asphalt Curb Replacement	LF	2,000	\$	\$
B-20	Concrete Curb Replacement	LF	1,000	\$	\$
B-21	Abandonment of Existing Valves	Each	60	\$	\$
B-22	Existing Hydrant Removal	Each	77	\$	\$
B-23	Anti-Seep Collars	Each	125	\$	\$
B-24	Asphalt Driveway Restoration	CY	25	\$	\$
B-25	Concrete Driveway Replacement	CY	10	\$	\$
B-26	Concrete Encasement	CY	50	\$	\$
B-27	Pipe Abandonment	Each	15	\$	\$
B-28	Temporary Water Service	LF	7,600	\$	\$
B-29	Sample Stations	Each	8	\$	\$
B-30	Meter Pits (1-Inch Service)	Each	2	\$	\$
B-31	Final Cleanup and Site Restoration	LF	50,500	\$	\$
B-32	Pavement Milling/Removal	SY	12,500	\$	\$
B-33	Natural Gas Main Bedding	CY	50	\$	\$
B-34	Pipe Removal	LF	500	\$	\$
Subtotal (Sum of Items B-1 through B-34)				\$	\$

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C. Schedule C: Allowances:

1. Bidder agrees to provide the following allowances as part of the Work in accordance with General Conditions Article 11.02.
2. Engineer will consult with Contractor for consideration and selection of products and select products in consultation with Owner and transmit decision to Contractor. On notification of selection by Engineer, Contractor shall execute purchase agreement with designated Supplier, arrange for and process Shop Drawings and Samples, arrange for delivery, and promptly inspect products upon delivery for completeness, damage, and defects.

Item No.	Description	Total Price
C-1	NYS Route 22 Crossing	\$100,000
C-2	Town of North Castle Assistance	\$10,000
Subtotal (Sum of Items C-1 and C-2)		\$110,000

D. Schedule D: Total Bid Price:

1. Determination of the apparent low Bidder shall be based on the Total Bid Price determined as follows.
2. In case of a discrepancy between lump sum prices written in words and in figures, the lump sum prices written in words shall govern. In case of a discrepancy between lump sum prices bid and extended totals, the lump sum prices will govern.

Item No.	Total Price
Schedule A Total (Lump Sum Bid Items)	\$
Schedule B Total (Unit Price Work)	\$
Schedule C (Allowances)	\$110,000
TOTAL BID PRICE	\$

TOTAL BID PRICE (in words) _____

ARTICLE 6 - TIME OF COMPLETION

- 6.01. Bidder agrees that the Work will be substantially completed and ready for final payment in accordance with paragraph 14.07 of the General Conditions on or before the dates or within the number of calendar days indicated in the Agreement.
- 6.02. Bidder accepts the provisions of the Agreement as to liquidated damages.

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ARTICLE 7 - ATTACHMENTS TO THIS BID

7.01. The following documents are submitted with and made a condition of this Bid:

- A. Required Bid Security in the form of Bid Bond or certified check.
- B. Statement of Surety's Intent.
- C. Required Bidder's Qualification Statement with supporting data.
- D. List of Proposed Subcontractors.
- E. List of Project References.
- F. Non-Collusive Bidding Certification
- G. List of Proposed Suppliers.
- H. Certification by Bidder Regarding Equal Employment Opportunity.
- I. Bid Bond (Penal Sum Form).

ARTICLE 8 - DEFINED TERMS

8.01. The terms used in this Bid with initial capital letters have the meanings indicated in the Instructions to Bidders, the General Conditions, and the Supplementary Conditions.

ARTICLE 9 - BID SUBMITTAL

This Bid is submitted by:

If Bidder is:

An Individual

Name (typed or printed): _____

By _____
(Individual's Name)

Doing business as: _____

A Partnership

Partnership Name: _____ (SEAL)

By _____
(Signature of general partner--attach evidence of authority to sign)

Name (typed or printed): _____

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A Corporation

Corporation Name: _____ (SEAL)

State of Incorporation: _____

Type (General Business, Professional, Service, Limited Liability): _____

By _____
(Signature--attach evidence of authority to sign)

Name (typed or printed): _____

Title: _____

Attest: _____ (CORPORATE SEAL)
(Signature of Corporate Secretary)

Date of Qualification to do business in State where Project is located is: _____

A Joint Venture

Name of Joint Venture: _____

First Joint Venturer Name: _____ (SEAL)

By _____
(Signature of joint venturer partner--attach evidence of authority to sign)

Name (typed or printed): _____

Title: _____

Second Joint Venturer Name: _____ (SEAL)

By _____
(Signature--attach evidence of authority to sign)

Name (typed or printed): _____

Title: _____

(Each joint venturer must sign. The manner of signing for each individual, partnership and corporation that is a party to the joint venture should be in the manner indicated above.)

Bidder's Business Address _____

Phone No. _____ Fax No. _____

Email _____

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SUBMITTED on _____, 20_____

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END OF SECTION

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North Castle Water District No. 2 Distribution System Replacement
8616265.1 00410-8

BID FORM

Addendum No. 1, Attachment No. 1

BID ITEM DESCRIPTION

B-33

UNIT PRICE ITEM

BID ITEM B-33

NATURAL GAS MAIN BEDDING

Under this Item, Contractor shall furnish all labor, equipment, and materials necessary to install, complete, natural gas main bedding.

A. DESCRIPTION

General Requirements (Sections 01010 through 01700)
Contract Drawings

B. WORK INCLUDED
UNDER THIS ITEM

All Other Bid Items

C. ASSOCIATED WORK
NOT INCLUDED
UNDER THIS ITEM

Payment for this Item will be made on a unit price per cubic yard basis.

D. METHOD OF
PAYMENT

The quantity for which payment will be made shall be the total cubic yards of sand furnished and installed, placed as shown on the Contract Drawings.

E. MEASUREMENT
AND LIMITS

UNIT PRICE ITEM

BID ITEM B-34PIPE REMOVAL

Under this Item, the Contractor shall furnish all labor, equipment, and materials necessary to remove piping as shown and/or described in the Contract Documents.

A. DESCRIPTION

General Requirements (Sections 01010 through 01700)
Protection of Existing Facilities (Section 02205)
Demolition (Section 02030)

B. WORK INCLUDED
UNDER THIS ITEM

Work Required Under Other Bid Items

C. ASSOCIATED WORK
NOT INCLUDED
UNDER THIS ITEM

Payment for this Item will be made on a unit price per pipe abandoned.

D. METHOD OF
PAYMENT

The quantity for which payment will be made shall be the total linear feet of pipe removed as ordered by the Engineer.

E. MEASUREMENT
AND LIMITS

UNIT PRICE ITEM

BID ITEM B-11

COPPER WATER SERVICE CONNECTIONS, NEAR-SIDE

Under this Item, the Contractor shall provide all labor, materials, and equipment necessary to furnish and install a water service line from the water main to the curb stop, 1-inch corporation stop, curb stop, curb box, and covers, including any size adapters, and crossing at the pavement area by open cut methods as shown on the Contract Drawings and as specified herein.

A. DESCRIPTION

General Requirements (Sections 01010 through 01700)
 Demolition (Section 02030)
 Construction Facilities and Temporary Controls (Section 01500)
 Trenching (Section 02225)
 Pavement Cutting (Section 02112)
 Removal of Water (Section 02141)
 Sheeting and Bracing (Section 02161)
 Compaction (Section 02228)
 Furnish and Install 1-Inch Type K Copper Tubing (Section 02661)

B. WORK INCLUDED
UNDER THIS ITEM

6-, 8- and 12-Inch Ductile Iron Water Main and Fittings, in Place
 (Bid Items B-4, B-5, and B-6)
 Pavement Restoration (Bid Items B-16 and B-18)
 Select Backfill Material: NYSDOT Course 304, Type 4 (Bid Item B-15)
 Final Cleanup and Site Restoration (Bid Item B-31)
 Rock Removal (Bid Item B-3)

C. ASSOCIATED WORK
NOT INCLUDED
UNDER THIS ITEM

Payment for this Item will be made on a unit price per linear foot basis and in accordance with the Contractor's unit price bid.

D. METHOD OF
PAYMENT

The quantity for which payment will be made shall be the total number of installed units, complete as specified. One unit shall consist of a corporation stop, curb stop, curb box, covers, tubing, and connection to the water main.

E. MEASUREMENT
AND LIMITS

UNIT PRICE ITEM

BID ITEM B-12

COPPER WATER SERVICE CONNECTIONS, FAR-SIDE

Under this Item, the Contractor shall provide all labor, materials, and equipment necessary to furnish and install a water service line from the water main to the curb stop, 1-inch corporation stop, curb stop, curb box, and covers including at the crossing pavement area by boring or driving methods, as shown on the Contract Drawings and as specified herein.

A. DESCRIPTION

General Requirements (Sections 01010 through 01700)
Construction Facilities and Temporary Controls (Section 01500)
Trenching (Section 02225)
Pavement Cutting (Section 02112)
Removal of Water (Section 02141)
Sheeting and Bracing (Section 02161)
Compaction (Section 02228)
Furnish and Install 1-Inch Type K Copper Tubing (Section 02661)

B. WORK INCLUDED
UNDER THIS ITEM

6-, 8- and 12-Inch Ductile Iron Water Main and Fittings, in Place
(Bid Items B-4, B-5, and B-6)
Pavement Restoration (Bid Items B-16 and B-18)
Select Backfill Material: NYSDOT Course 304, Type 4 (Bid Item B-15)
Final Cleanup and Site Restoration (Bid Item B-31)
Rock Removal (Bid Item B-3)

C. ASSOCIATED WORK
NOT INCLUDED
UNDER THIS ITEM

Payment for this Item will be made on a unit price per linear foot basis and in accordance with the Contractor's unit price bid.

D. METHOD OF
PAYMENT

The quantity for which payment will be made shall be the total number of installed units, complete as specified.

E. MEASUREMENT
AND LIMITS

UNIT PRICE ITEM

BID ITEM B-13UNSTABLE SOIL CONDITIONS - TYPE III SPECIAL TRENCH CONDITIONS

Under this Item, the Contractor shall provide all labor, materials, and equipment necessary to furnish and install sheeting and bracing in place and geotextile fabric as specified in the Contract Documents.

A. DESCRIPTION

General Requirements (Sections 01010 through 01700)
 Periodic Cleanup (Section 01500)
 Removal of Water (Section 02141)
 Trenching (Section 02225)
 Compaction (Section 02228)

B. WORK INCLUDED
UNDER THIS ITEM

All Other Bid Items

C. ASSOCIATED WORK
NOT INCLUDED
UNDER THIS ITEM

Payment for this Item will be made on a unit price per connection basis and in accordance with the Contractor's unit price bid.

D. METHOD OF
PAYMENT

The quantity for which payment will be made shall be the total linear feet installed, measured along the centerline of water main (shall include both sides of trench) where identified by Engineer.

E. MEASUREMENT
AND LIMITS

SECTION 01026

LUMP SUM ITEMS
(BID ITEM DESCRIPTIONS)

PART 1 GENERAL

1.01. SECTION INCLUDES

- A. Price make-up.
- B. Elements of Bid Item Description page.
- C. List of lump sum items.
- D. Bid Item Descriptions - Attached pages.

1.02. PRICE MAKE-UP

- A. Lump sum prices bid by Contractor are deemed to be full compensation for all required labor, products, tools, equipment, plant, transportation, testing, inspection, services, incidentals, administrative procedures, applicable taxes, permit fees, overhead, profit, and other miscellaneous expenses.

1.03. ELEMENTS OF BID ITEM DESCRIPTION PAGE

- A. Identification of lump sum item, as set forth in the Bid Form.
- B. Brief statement of work involved in the item.
- C. Listing of components of work which make-up the item including reference to the Section(s) covering each component.
- D. Cross-references to associated work not included in the item.

1.04. LIST OF LUMP SUM ITEMS - CONTRACT NO. 1

Bid Item No.	Bid Item Description
A-1	General Construction

1.05. BID ITEM DESCRIPTIONS

- A. Bid Item Description pages are attached at the end of this specification section.

PART 2 PRODUCTS

Not used.

PART 3 EXECUTION

Not used.

END OF SECTION

LUMP SUM ITEM

BID ITEM A-1GENERAL CONSTRUCTION

Under this Item, the Contractor shall furnish all materials, labor, tools, and construct the general construction work as called for in the Contract Documents and as outlined below.

A. DESCRIPTION

Mobilization
 Demobilization
 Insurance and Bonds (General and Supplementary Conditions)
 Summary of Work (Section 01010)
 Contract Considerations (Section 01019)
 Coordination and Meetings (Section 01039)
 Submittals (Section 01300)
 Progress Schedules (Section 01310)
 Construction Documentation (Section 01380)
 Quality Control (Section 01400)
 Temporary Facilities (Section 01500)
 Erosion Control (Section 01564)
 Maintenance and Protection of Traffic (Section 01550)
 Materials and Equipment (Section 01600)
 Contract Closeout (Section 01700)
 "Wet Tap" Tapping Sleeve and Valve (Section 02662)

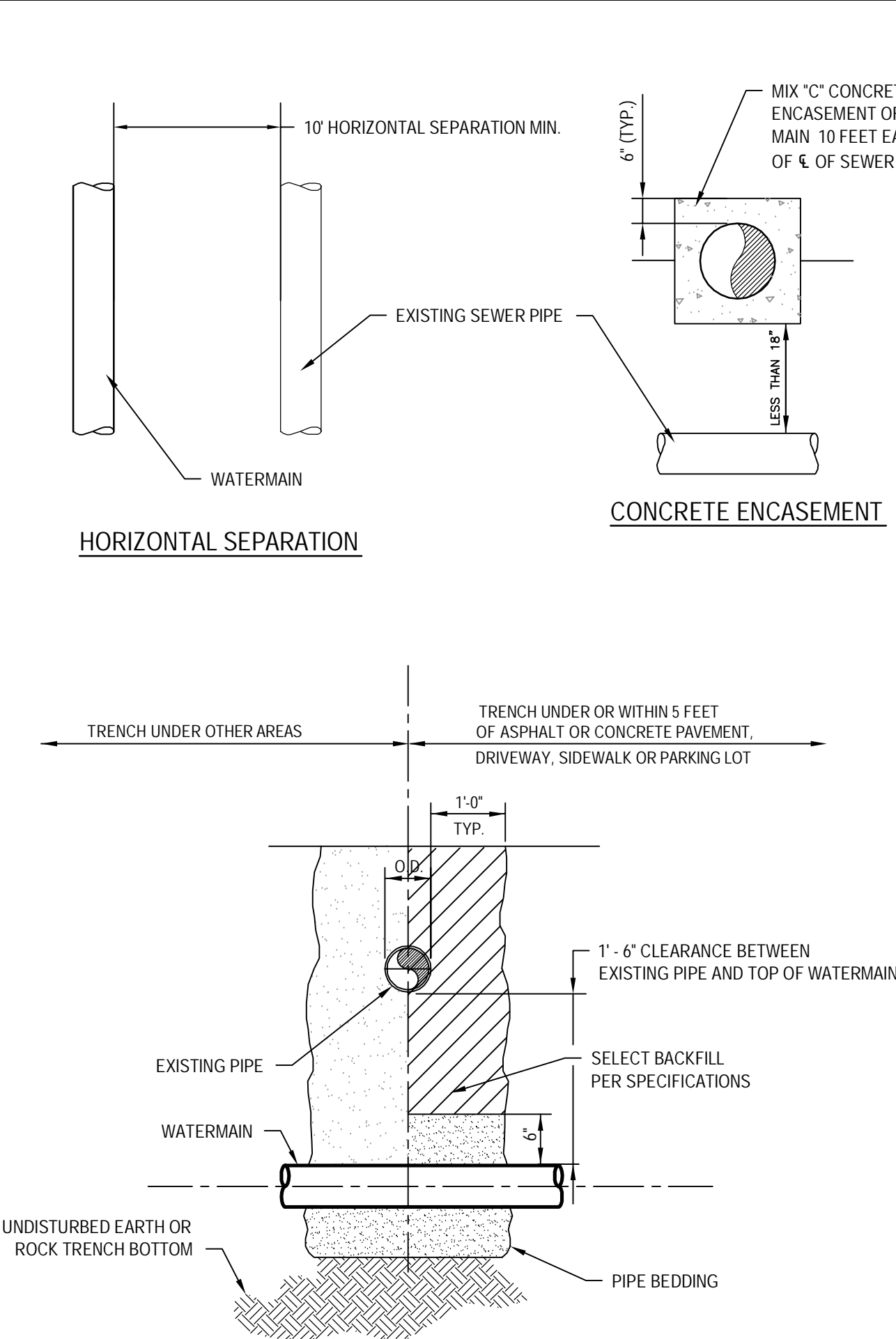
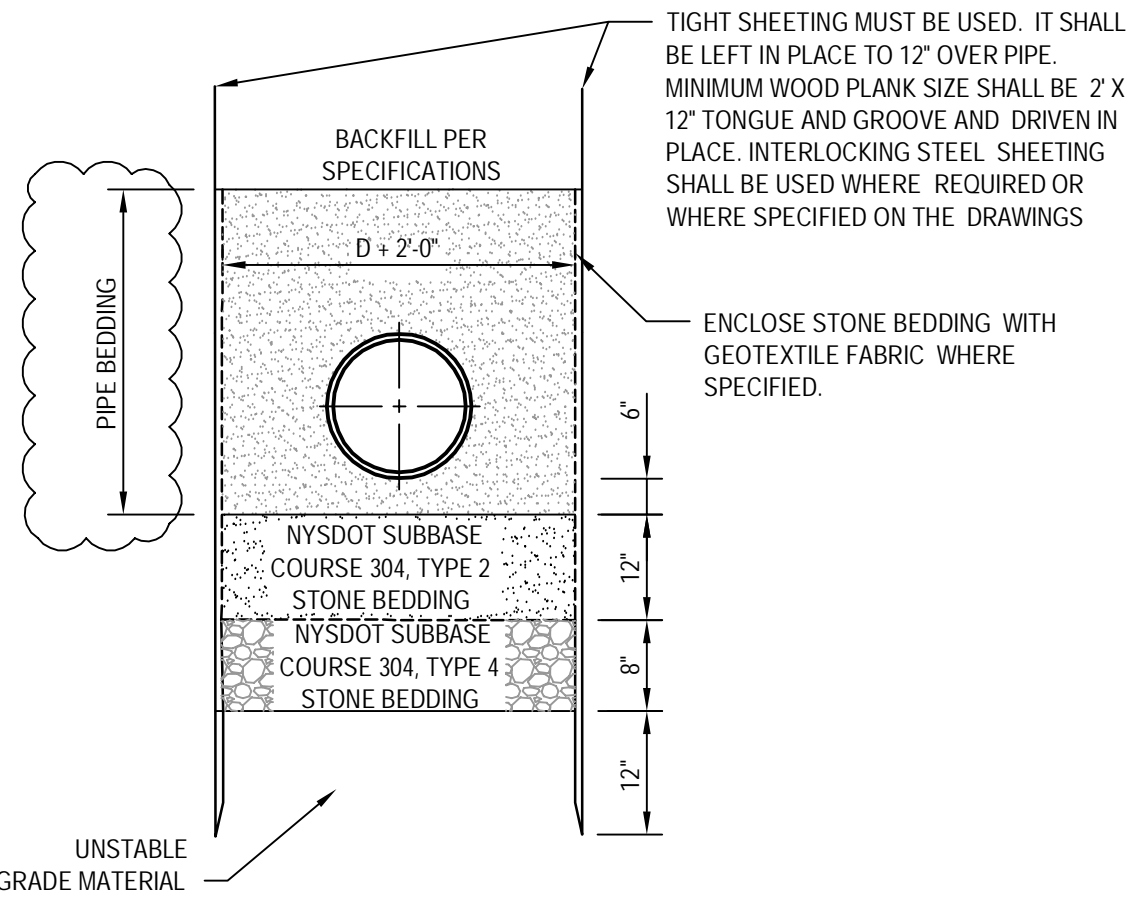
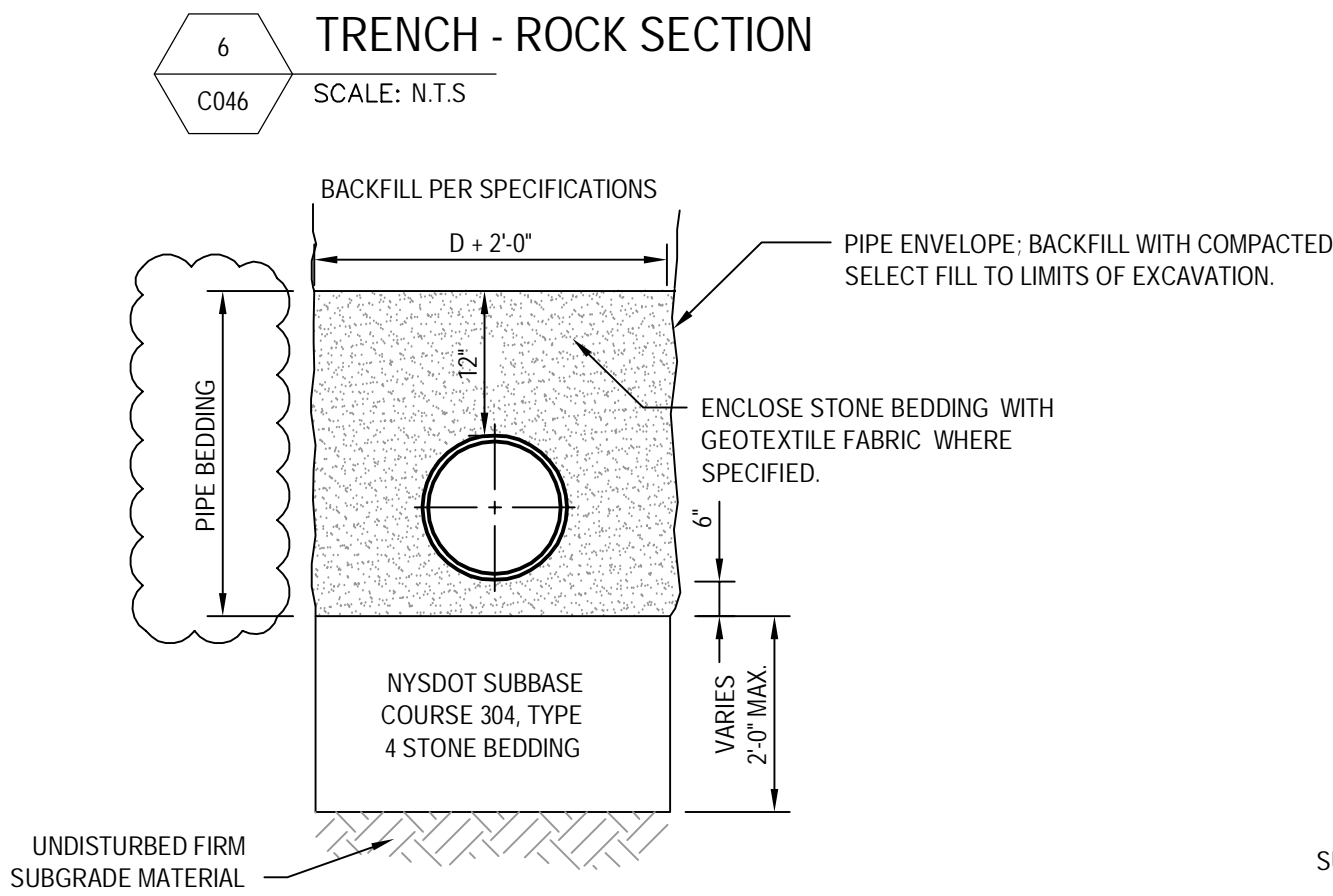
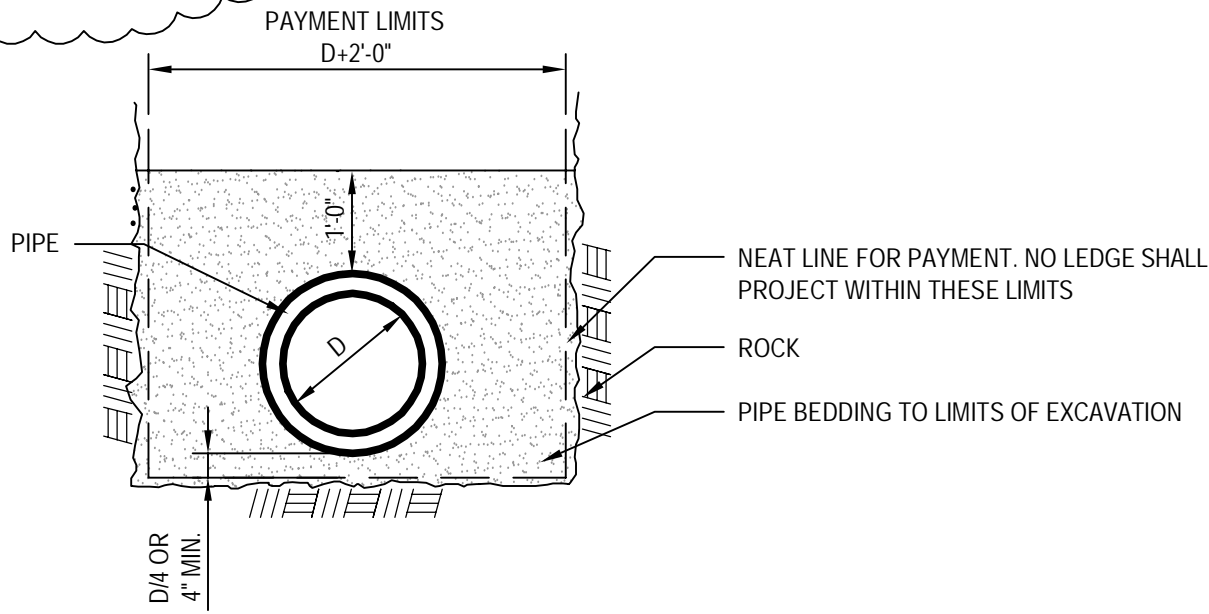
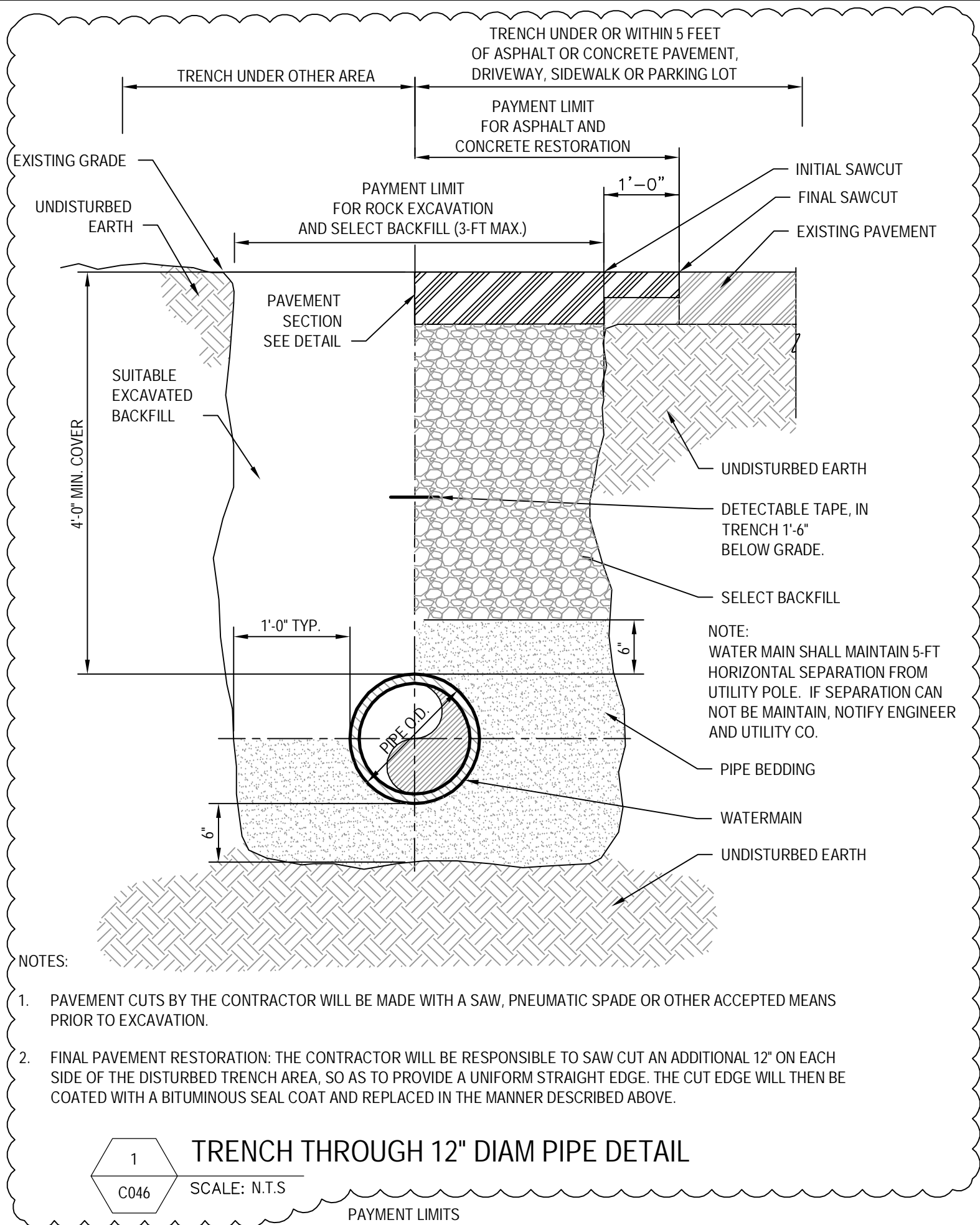
B. WORK INCLUDED
UNDER THIS ITEM

All Other Bid Items

C. ASSOCIATED WORK
NOT INCLUDED
UNDER THIS ITEM

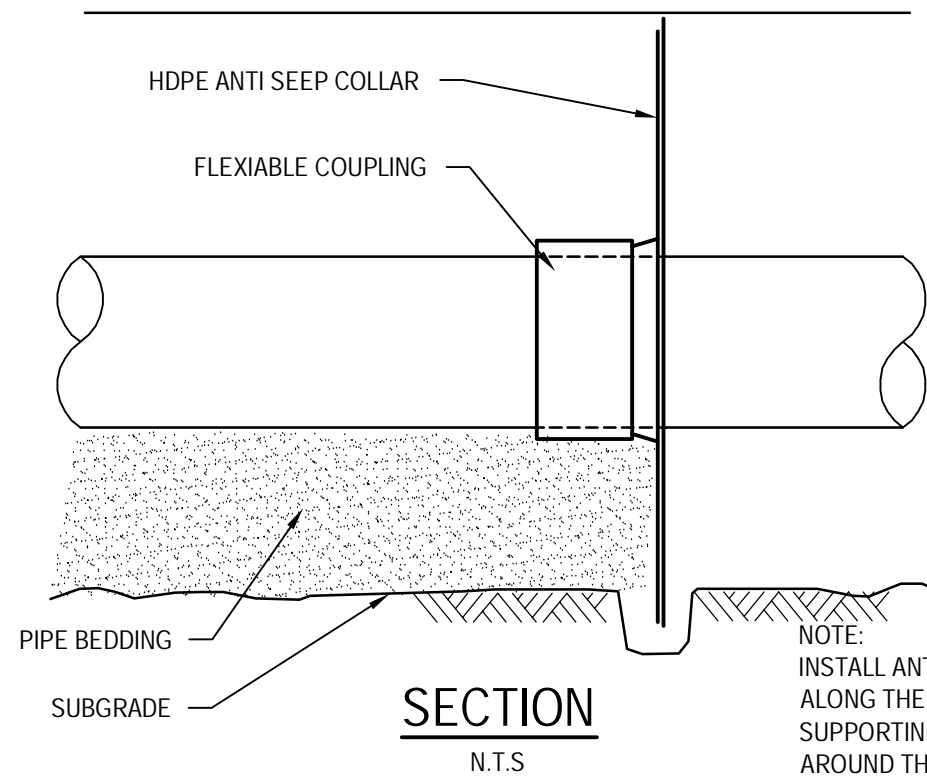
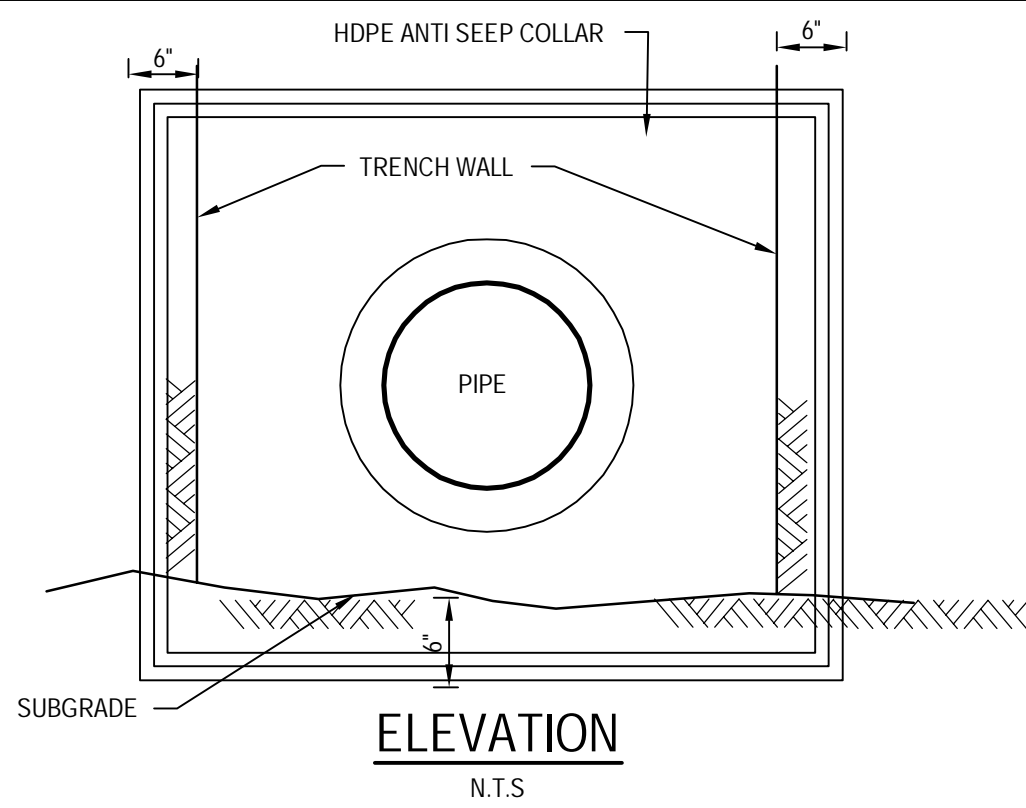
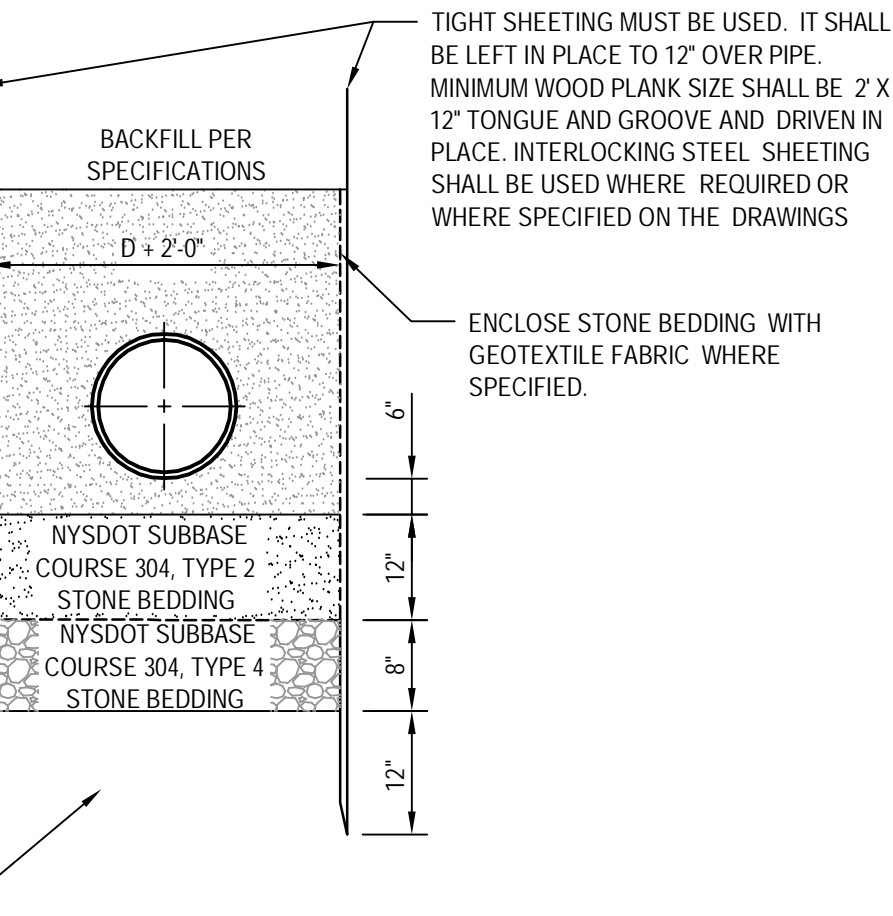
Payment will be made on a lump sum basis in accordance with the Contractor's Schedule of Values which shall include, as a minimum, all items listed herein under "B" broken down into sufficient detail for Engineer to adequately review progress payment amounts.

D. METHOD OF
PAYMENT



- NOTES:
- ALL EXISTING UTILITIES MUST BE SUPPORTED DURING CONSTRUCTION OF THE NEW WATERMAIN.
 - WHEN CROSSING A SEWER LINE WITH A NEW WATERMAIN, ONE FULL PIPE LENGTH (18 FT. MIN.) SHALL BE USED AT THE POINT OF CROSSING. THE WATERMAIN SHALL BE PLACED SO THAT BOTH JOINT ENDS ARE AS FAR AS POSSIBLE FROM THE EXISTING SEWER LINE.
 - WHEN SEWER LINE IS PARALLEL TO NEW WATERMAIN THERE SHALL BE 10' OF HORIZONTAL SEPARATION. THE DISTANCE SHALL BE MEASURED EDGE TO EDGE

2
C046
SCALE: NONE



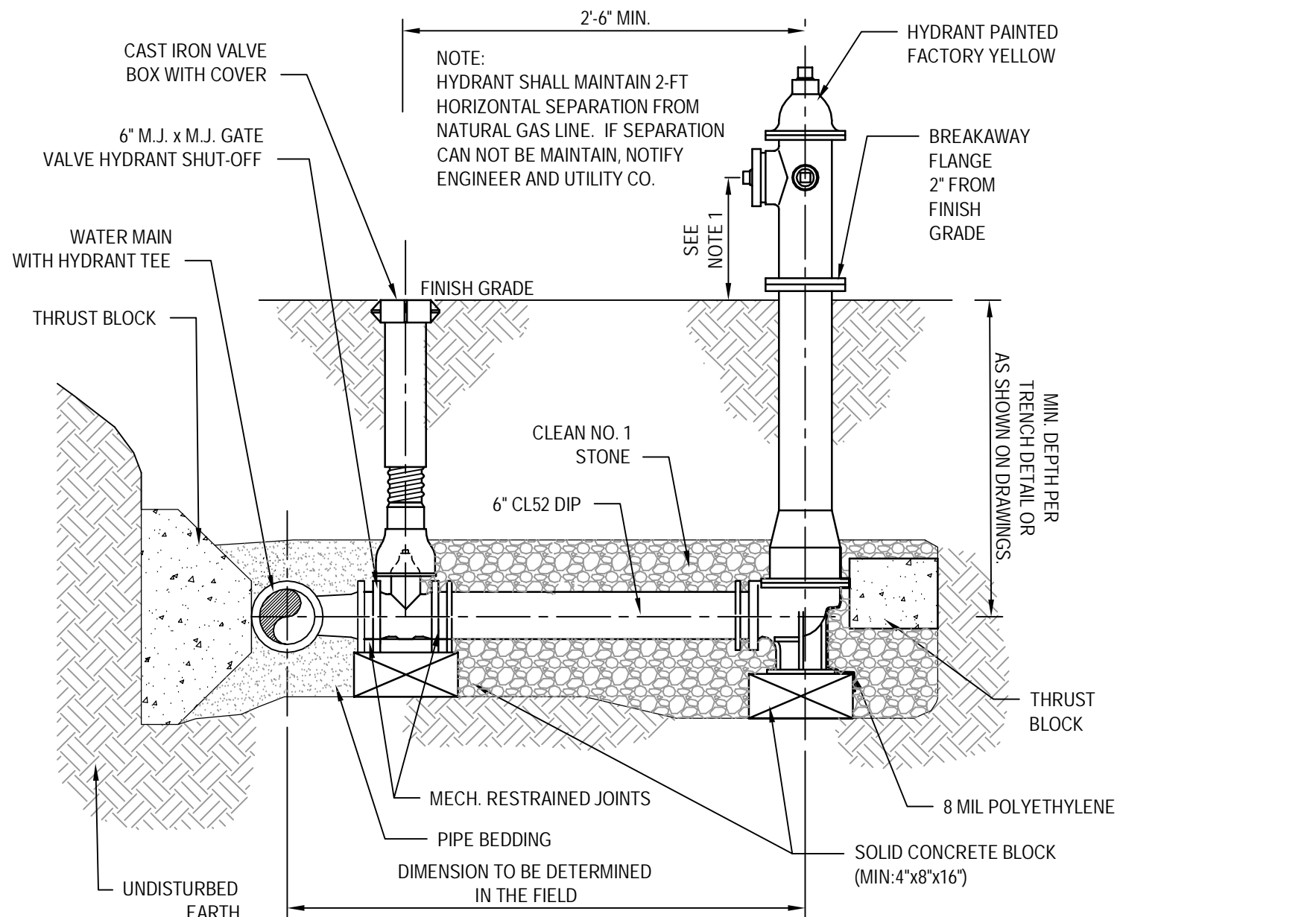
3
C046
SCALE: NONE

NOTE:
INSTALL ANTI SEEP COLLARS AT 20 FOOT INTERVALS ALONG THE PIPE AS SHOWN. COLLAR WILL BE SELF SUPPORTING AND PROVIDE A WATERTIGHT SEAL AROUND THE PIPE BY USE OF AN APPROPRIATELY SIZED ELASTOMERIC PVC FLEXIBLE COUPLING. COLLARS SHALL FORM AN IMPENETRABLE BARRIER IN THE PIPE ENVELOPE TO THE FLOW OF WATER. COLLARS CONSTRUCTED OF ABS PLASTIC ARE ACCEPTABLE. COLLARS SHALL BE RIPLEY'S DAM OR APPROVED EQUAL.

NOTES:

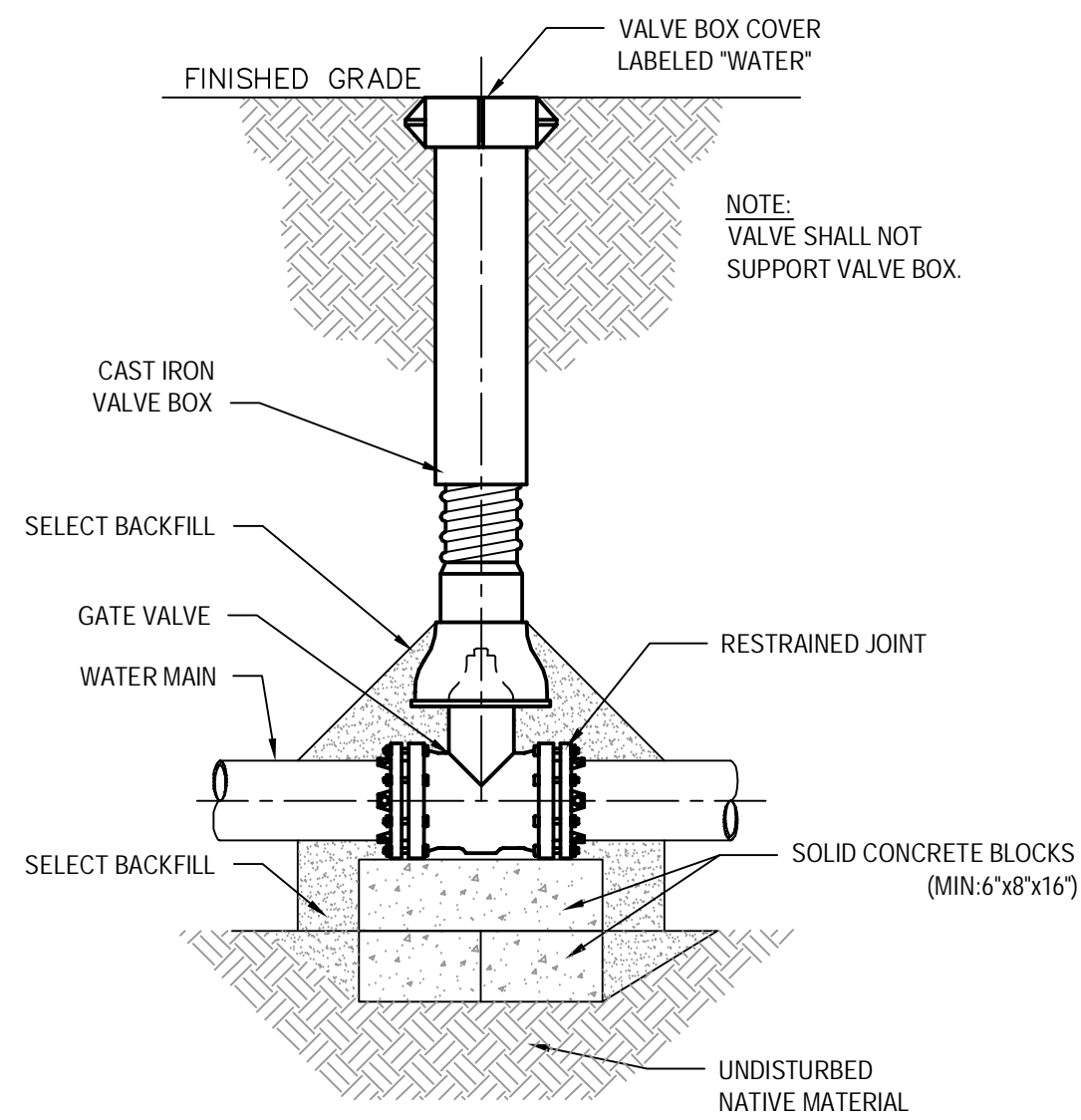
- 12" DIAMETER x 2" THICK (SOLID) RED OR ORANGE PLASTIC DISK TO READ: "NOT IN SERVICE"
- ALL LETTERING SHALL BE 2" MINIMUM AND PAINTED BLACK BY THE USE OF A STENCIL.
- HYDRANT MARKER TO BE INSTALLED AND MAINTAINED ON STEAMER NOZZLE OF EACH HYDRANT UNTIL HYDRANT IS PLACED IN SERVICE.
- IF GROUNDWATER IS LESS THAN 7 FEET FROM THE GROUND WATER SURFACE, THE HYDRANT BARREL WEEP PLUGS TO BE PLUGGED. PROVIDE MARKER INDICATING "HYDRANT BARREL MUST BE PUMPED AFTER EACH USE".
- CONTRACTOR CAN TO "BAG" PROPOSED HYDRANTS UNTIL PUT IN SERVICE, AND SHALL MAINTAIN BAGS ON HYDRANTS.

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C046
SCALE: N.T.S.

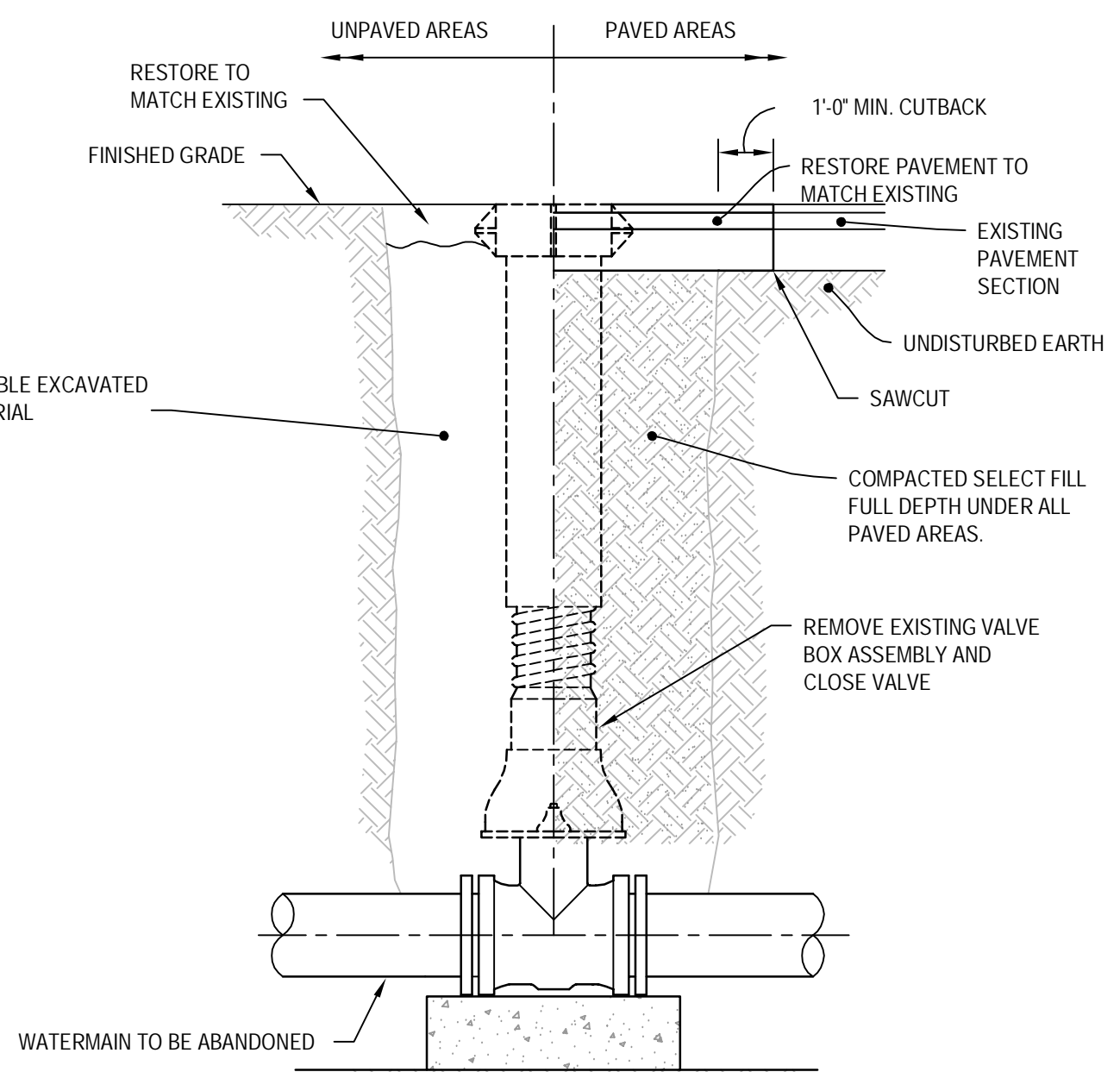


- NOTES:
- CENTERLINE OF THE LOWEST NOZZLE TO FINISHED GRADE SHALL BE A MIN. OF 15' & MAX. OF 18'.
 - HYDRANT RISER SHALL BE INSTALLED PLUMB.
 - IF GROUND WATER IS FOUND WITHIN SEVEN FEET OF THE GROUND SURFACE, THEN HYDRANT DRAINS SHOULD BE PLUGGED. WHEN THE DRAINS ARE PLUGGED THE BARRELS MUST BE PUMPED DRY AFTER USE DURING FREEZING WEATHER. HYDRANTS DESIGNATED AS "HYDRANT"
 - WHERE HYDRANT DRAINS ARE NOT PLUGGED, A GRAVEL POCKET SHALL BE PROVIDED
 - HYDRANTS SHALL HAVE A MINIMUM 5-1/4-INCH DIAMETER VALVE OPENING. THEY SHALL BE EQUIPPED WITH TWO 2-1/2-INCH HOSE NOZZLES AND ONE 4-1/2-INCH STEAMER NOZZLE. THE PIPE THREADS SHALL BE NATIONAL STANDARD THREAD.

ASSEMBLY - P" SHALL BE PLUGGED. ALL PLUGGED HYDRANTS SHALL BE FACTORY YELLOW WITH A RED TOP.



5
C046
SCALE: N.T.S.



10
C046
SCALE: N.T.S.

1	ADDENDUM #1	JBA	JSS	KC	06/14				
0	FOR CONSTRUCTION	JBA	JSS	KC	05/14				
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Job Manager	Project Director	Date			

NOTES:

UNDERGROUND FACILITIES, STRUCTURES, AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS, AND THEREFORE THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. THERE MAY BE OTHERS, THE EXISTENCE OF WHICH IS PRESENTLY NOT KNOWN.

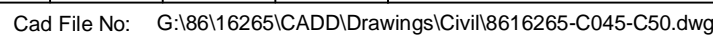
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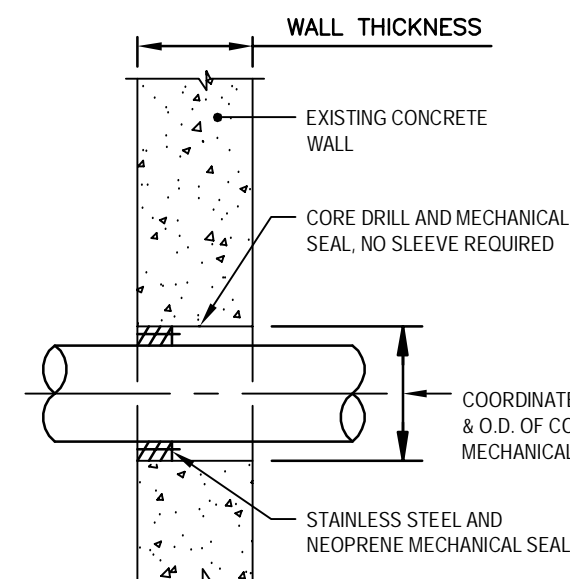
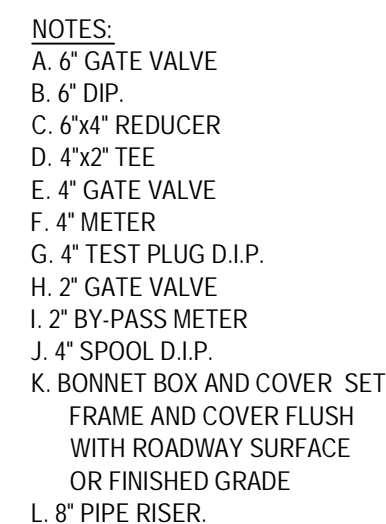


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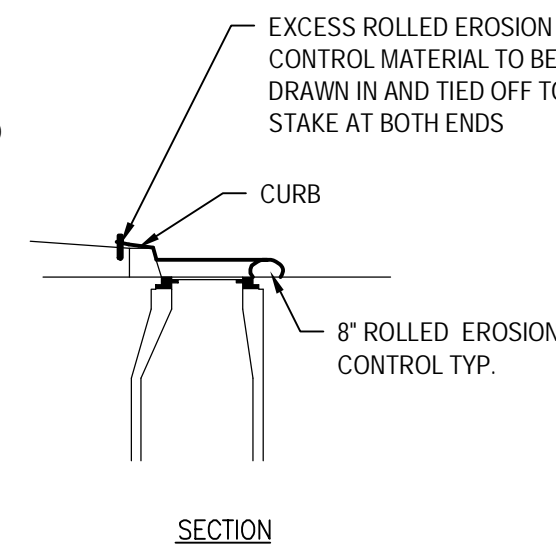
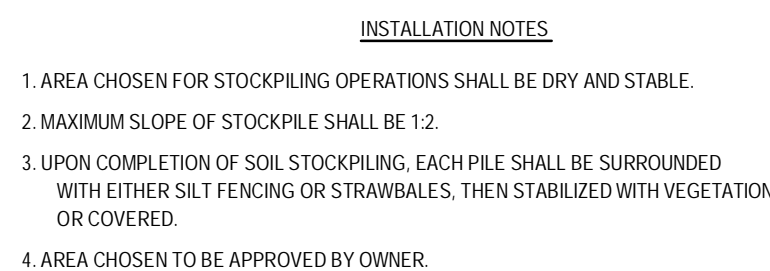
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Check		Check	
Approved	(Project Director)		
Date			
Scale	AS SHOWN	This Drawing shall not be used for Construction unless Signed and Sealed For Construction	

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Project	WD NO. 2 - DISTRIBUTION SYSTEM REPLACEMENT		
Title	DETAILS		
Contract No.	1		
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Rev:	1		

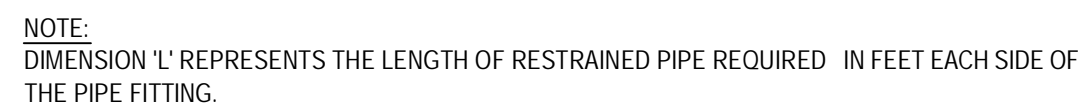




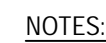
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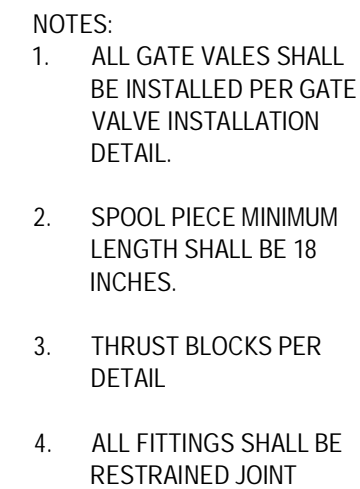
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37 STANDARD DETAIL RESTRAINED JOINT SCHEDULE
C049 SCALE: NONE



1. PIT DIMENSIONS ARE OPTIONAL.
2. THE STANDPIPE SHOULD BE CONSTRUCTED BY PERFORATING A 12-24" DIAMETER CORRUGATED OR PVC PIPE.
3. A BASE OF 2" AGGREGATE SHOULD BE PLACED IN THE PIT TO A DEPTH OF 12". AFTER INSTALLING THE STANDPIPE, THE PIT SURROUNDING THE STANDPIPE SHOULD BE BACKFILLED WITH 2" AGGREGATE.
4. THE STANDPIPE SHOULD EXTEND 12-18" ABOVE THE LIP OF THE PIT.
5. THE STANDPIPE SHOULD BE WRAPPED WITH FILTER CLOTH BEFORE INSTALLATION. IF DESIRED, 1/4"-1/2" HARDWARE CLOTH MAY BE PLACED AROUND THE STANDPIPE, PRIOR TO ATTACHING THE FILTER CLOTH.



						NOTES: UNDERGROUND FACILITIES, STRUCTURES, AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS, AND THEREFORE THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. THERE MAY BE OTHERS, THE EXISTENCE OF WHICH IS PRESENTLY NOT KNOWN.		 GHD Consulting Services Inc. One Remington Park Drive Cazenovia NY 13035 USA T 1 315 679 5800 F 1 315 679 5801 E cazmail@ghd.com W www.ghd.com	Drawn JBA	Designer JBA	Client	TOWN OF NORTH CASTLE, NEW YORK WD NO. 2 - DISTRIBUTION SYSTEM REPLACEMENT DETAILS	
						Drafting Check			Design Check	Project			
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0	FOR CONSTRUCTION	JBA	JSS	KC	05/14		Date		This Drawing shall not be used for Construction unless Signed and Sealed For Construction	Contract No. 1	Original Size		
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Job Manager	Project Director	Date	Scale	AS SHOWN		Ansi D	Drawing No:	86-16265-C049	Rev: 1
Plot Date: 3 June 2014 - 1:15 PM			Plotted by: Joseph Awald			Cad File No: G:\86\16265\CADD\Drawings\Civil\8616265-C045-C50.dwg							