

ADDENDUM NO. 1

VILLAGE OF VERSAILLES North West Street Extension

March 19, 2018

To: Planholders

From: Mote & Associates, Inc.
214 West Fourth Street
Greenville, Ohio 45331

Phone: (937) 548-7511
Fax: (937) 548-7484
E-mail: info@moteassociates.com

Re: Village of Versailles
North West Street Extension

This Addendum forms a part of the Contract Documents and modifies the original Contract Documents dated March 2018. Acknowledge receipt of this Addendum in the space provided on the Bid Proposal form. Failure to do so may subject the Bidder to disqualification.

CHANGES/CLARIFICATIONS TO THE BIDDING REQUIREMENTS:

1. Section 00 41 43, BID FORM

The “Bid Form” has been changed to reflect the following changes with a revised document attached to this Addendum:

Base Bid – North West Street:

- A) Item 33 11 13 - 12” Water Line w/Granular Backfill has been changed to 1,963 L.F.
- B) Item 33 11 13 - 10” x 10” Tapping Sleeve and Valve has been changed to a 12” x 12” Tapping Sleeve and Valve

A “Revised Bid Form” is attached to this Addendum and shall become part of the Bid Package. This Form must be used and submitted for a responsive Bid.

An updated “Excel Bid Attachment” that reflects the changes to the Bid items listed above will be forwarded with this Addendum. Any planholder that ordered “Electronic Documents” received this form with their Contract Documents package. Should a Bidder decide to use the Excel Bid Attachment, it must accompany a signed “Revised Bid Form”. The Engineer is not responsible for any inadvertent or mistaken differences in the numerical quantities contained in the Excel Bid Attachment should they not match the “Revised Bid Form”. Use of the Excel Bid Attachment is at the risk of the Bidder. Any discrepancies will be resolved by multiplying the stated Unit Price in the Excel Bid Attachment with the estimated quantity contained in the “Revised Bid Form” should the Attachment be utilized in the Bid submittal.

CHANGES/CLARIFICATIONS TO THE CONSTRUCTION PLANS:

2. Construction Plans, Sheet 4 – Typical Details

- A) Water Main Service Detail (800-7): The curb valve shall be revised to Mueller B-25209. A revised Detail showing this change is attached.
- B) Fire Hydrant Detail (800-1): On the hydrant tee detail plan, the pipe between the watch valve and fire hydrant shall be 6" C-909, 36" minimum length. A revised Detail showing this change is attached.

3. Construction Plans, Sheet 5 – Typical Details

- A) Service Riser and Service Lateral Detail (900-7): The cleanout riser shall be 4" PVC. A revised Detail showing this change is attached.

4. Construction Plans, Sheet 6 – Typical Details

- A) Sanitary Sewer Cleanout and Inserta Tee Detail (900-9): The cleanout riser shall be 4" PVC. A revised Detail showing this change is attached.

5. Construction Plans, Sheets 11 & 12 – Plan and Profile Jackson Street Utilities

- A) As a clarification on Sheets 11 and 12, the 6" PVC Conduit for Primary Power by the Village of Versailles (V.O.V.) shall be installed by directional boring. Any lawn repairs in that area will be performed by the Village.
- B) On North West Street between Jackson Street and Baker Road, the 6" PVC Conduit for Primary Electric by V.O.V. shall be installed by open cut. The Contractor shall be required to perform final grading, seeding and mulching of the areas within the proposed right-of-way. The original bid quantity for seeding and mulching included all right-of-way areas on both sides of the street.

6. Construction Plans, Sheet 16 – Plan and Profile North West Street Extension

- A) A revision to the water line layout at the intersection of North West Street and Baker Road has been made. The revised layout will result in quantity adjustments of the addition of 45 L.F. of 12" Water Line w/ Granular Backfill, eliminating the 10" x 10" Tapping Sleeve and Valve, and the addition of one 12" x 12" Tapping Sleeve and Valve. A revised detail showing this revision is attached.

End of Addendum

Attachments: Section 00 41 43, Revised Bid Form
Section 00 41 43, Revised Electronic Bid Attachment (Excel Document)
Revised Detail, 800-7
Revised Detail, 800-1
Revised Detail, 900-7
Revised Detail, 900-9
Water Line Revision at intersection of North West Street & Baker Road

REVISED BID FORM

00 41 43

ARTICLE 1 - BID RECIPIENT

- 1.01 This Bid is submitted to: **[Village of Versailles, 177 North Center Street, P.O. Box 288, Versailles, OH 45380]**
- 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 60 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, and any data and reference items identified in the Bidding Documents, and hereby acknowledges receipt of the following Addenda:

<u>Addendum No.</u>	<u>Addendum, Date</u>
_____	_____
_____	_____
_____	_____

- B. Bidder has visited the Site, conducted a thorough, alert visual examination of the Site and adjacent areas, and become familiar with and satisfied itself as to the general, local, and Site conditions that may affect cost, progress, and performance of the Work.
- C. Bidder is familiar with and has satisfied itself 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 adjacent to the Site and all drawings of physical conditions relating to existing surface or subsurface structures at the Site that have been identified in the Supplementary Conditions, especially with respect to Technical Data in such reports and drawings, and (2) reports and drawings relating to Hazardous Environmental Conditions, if any, at or adjacent to the Site that have been identified in the Supplementary Conditions, especially with respect to Technical Data in such reports and drawings.
- E. Bidder has considered the information known to Bidder itself; 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 any 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; and (3) Bidder's safety precautions and programs.

- F. Bidder agrees, based on the information and observations referred to in the preceding paragraph, that no further examinations, investigations, explorations, tests, studies, or data are necessary for the determination of this Bid for performance of the Work at the price 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 Owner and 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 confirms that 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 and furnishing of the Work.
- J. The submission of this Bid constitutes an incontrovertible representation by Bidder that Bidder has complied with every requirement of this Article, and that without exception the Bid and all prices in the Bid are premised upon performing and furnishing the Work required by the Bidding Documents.
- K. Bidder agrees that the contracting authority reserves the right to reject any or all bids, to waive any informalities or irregularities in the bids received, and to accept that bid which is considered lowest and to the best interest of the Owner.

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. No person interested in this Proposal is directly or indirectly interested in or connected with any other bid or proposal for the said work and no member of the Village of Versailles, Ohio, is directly or indirectly interested therein, or in any portion thereof, and he will, if required by the Village of Versailles, Ohio, execute and submit from himself as Principal Contractor and from any Subcontractor, the non-collusion affidavits as provided herein.
- D. Bidder has not solicited or induced any individual or entity to refrain from bidding; and
- E. Bidder has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for the Contract. For the purposes of this Paragraph 4.01.D:
 - 1. "corrupt practice" means the offering, giving, receiving, or soliciting of anything 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
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 agrees that any item not specifically shown or called out on the plans or within the specifications but is required to complete the work in place and fully operational, shall be included in the bid item that is most closely associated with that portion of the work.
- 5.02 Bidder will complete the Work in accordance with the Contract Documents for the following price(s) and will contract to do all the work and furnish all the materials called for by said plans and specifications, and in consideration thereof, to accept from the Owner as full payment for the completion of each specified item and any required maintenance thereof as hereinafter provided, for the following prices;

BASE BID – NORTH WEST STREET EXTENSION: NORTH WEST STREET

Item No.	Description	Est. Qty.	Unit	Unit Price	Total Unit Price
201	Clearing and Grubbing, As Per Plan	1	Lump		
202	Curb Removed	38	L.F.		
202	Concrete Pavement Removed, Drives	41	S.Y.		
202	Walk Removed	159	S.F.		
202	Manhole Removed	3	Each		
202	Pipe Removed	50	L.F.		
203	Excavation, As Per Plan	5,720	C.Y.		
204	Subgrade Compaction and Proof Rolling, As Per Plan	7,417	S.Y.		
204	Subgrade Preparation	350	C.Y.		
204	Subgrade Stabilization, Geogrid Placement	2,000	S.Y.		
301	Asphalt Concrete Base	1,281	C.Y.		
304	Aggregate Base, As Per Plan	1,920	C.Y.		
407	Tack Coat	462	Gal.		
441	Asphalt Concrete, Intermediate, Type 2 (448)	320.3	C.Y.		
442	Asphalt Concrete, Surface 9.5MM, Type A, PG70-22M (448)	320.3	C.Y.		
451	9" Reinforced Concrete Pavement, Commercial	106	S.Y.		

BASE BID – NORTH WEST STREET EXTENSION: NORTH WEST STREET (CONT.)

Item No.	Description	Est. Qty.	Unit	Unit Price	Total Unit Price
451	6" Reinforced Concrete Pavement - Residential	65	S.Y.		
608	Concrete Walk	9,475	S.F.		
608	Curb Ramp w/Detectable Warnings	2	Each		
609	Type 2 Combination Curb and Gutter	3,893	L.F.		
611	4" Storm Sewer w/Granular Backfill (707.46)	40	L.F.		
611	8" Storm Sewer w/Granular Backfill (707.33)	20	L.F.		
611	12" Storm Sewer w/Granular Backfill (707.33)	221	L.F.		
611	18" Storm Sewer w/Granular Backfill (707.33)	103	L.F.		
611	24" Storm Sewer w/Granular Backfill (707.33)	330	L.F.		
611	48" Storm Sewer w/Granular Backfill (707.65)	2,131	L.F.		
611	48" Cap (707.33)	1	Each		
611	18" Cap (707.33)	3	Each		
611	Type 3 Storm Manhole	13	Each		
611	Type 1 Catch Basin	15	Each		
611	Catch Basin – ODOT 2-3	1	Each		
614	Maintaining Traffic, As Per Plan	1	Lump		
624	Mobilization	1	Lump		
644	Stop Line	36	L.F.		
644	Crosswalk Line	90	L.F.		
644	Center Line	0.35	Mile		
659	Seeding and Mulching, Class 1	7,784	S.Y.		
33 31 00	8" Sanitary Sewer w/Granular Backfill	2,596	L.F.		
33 31 00	Sanitary Sewer Lateral	1	Each		
33 31 00	8" Sewer Plug	6	Each		
33 39 13	Type 3 Sanitary Manhole	9	Each		
33 39 13	Type D Sanitary Manhole	1	Each		
33 11 13	12" Water Line w/Granular Backfill	1,963	L.F.		
33 11 13	8" Water Line w/Granular Backfill	120	L.F.		
33 11 13	12" x 12" Tapping Sleeve and Valve	1	Each		
33 11 13	10" x 6" Tapping Sleeve and Valve	1	Each		
33 12 13	Water Service Connection	3	Each		

BASE BID – NORTH WEST STREET EXTENSION: NORTH WEST STREET (CONT.)

Item No.	Description	Est. Qty.	Unit	Unit Price	Total Unit Price
33 12 16	12" Gate Valve w/Box	3	Each		
33 12 16	8" Gate Valve w/Box	2	Each		
33 12 19	Fire Hydrant Assembly	6	Each		
33 12 19	Fire Hydrant	1	Each		
Spec.	8" Inserta Tee Connection	1	Each		
Spec.	Pre-Construction Video	1	Lump		
Spec.	Abandoning and Removal of Existing Water Items	1	Lump		
Spec.	Erosion Control	1	Lump		
Spec.	Bonding and Insurance	1	Lump		
Total Base Bid – North West Street:				\$	

BASE BID – NORTH WEST STREET EXTENSION: JACKSON STREET UTILITIES

Item No.	Description	Est. Qty.	Unit	Unit Price	Total Unit Price
202	Walk Removed	20	S.F.		
202	Manhole Removed	5	Each		
254	Pavement Planning, Asphalt Concrete	768	S.Y.		
304	Aggregate Base, As Per Plan	276	C.Y.		
407	Tack Coat	96	Gal.		
441	Asphalt Concrete, Surface Type 1 (448) PG64-22	67	C.Y.		
441	Asphalt Concrete, Intermediate Type 2 (448)	57	C.Y.		
608	Concrete Walk	20	S.F.		
611	12" Storm Sewer w/Granular Backfill (707.33)	27	L.F.		
611	48" Storm Sewer w/Granular Backfill (707.65)	511	L.F.		
611	Type 3 Storm Manhole	3	Each		
614	Maintaining Traffic, As Per Plan	1	Lump		
644	Stop Line	48	L.F.		
644	Crosswalk Line	230	L.F.		
644	Center Line	0.06	Mile		
33 31 00	8" Sanitary Sewer w/Granular Backfill	364	L.F.		

BASE BID – NORTH WEST STREET EXTENSION: JACKSON STREET UTILITIES (Cont.)

Item No.	Description	Est. Qty.	Unit	Unit Price	Total Unit Price
33 31 00	Sanitary Sewer Lateral	4	Each		
33 39 13	Type 3 Sanitary Manhole	2	Each		
33 39 13	Type D Sanitary Manhole	1	Each		
33 11 13	12" Water Line w/Granular Backfill	849	L.F.		
33 11 13	Connections to Existing Water Lines	1	Lump		
33 12 13	Water Service Connection	2	Each		
33 12 16	12" Gate Valve w/Box	6	Each		
Spec.	72" Storm Sewer Connection	1	Lump		
Spec.	12" Inserta Tee Connection	3	Each		
Spec.	Pre-Construction Video	1	Lump		
Spec.	Abandoning and Removal of Existing Water Items	1	Lump		
Spec.	Erosion Control	1	Lump		
Spec.	Bonding and Insurance	1	Lump		
Total Base Bid – Jackson Street Utilities:				\$	

Total All Base Bid Items (North West and Jackson Streets):	\$
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Total All Base Bid Items (North West and Jackson Streets):

(in words)

Bidder acknowledges that:

- (1) Each Bid Unit Price includes an amount considered by Bidder to be adequate to cover Contractor's overhead and profit for each separately identified item;
- (2) Estimated quantities are not guaranteed, and are solely for the purpose of comparison of Bids, and final payment for all unit price bid items will be based on actual quantities, determined as provided in the Contract Documents; and
- (3) The Owner reserves the right to add or delete such quantities within the scope of the project as deemed necessary without in any way invalidating the Unit Prices bid.
- (4) If this Proposal shall be accepted, Bidder will be prepared to discuss with the Village of Versailles, Ohio, in detail any matters relating to special features and the methods proposed to be followed for the general

conduct of the work, that within ten (10) days after "Notice of Award" the Contract Form with the Village of Versailles, Ohio, for performance of the work will be completed and Bidder will furnish a Contract Bond or a Performance and Payment Bond in an amount not less than one hundred percent (100%) of the total bid amount, and with sureties subject to the approval of the Village of Versailles, Ohio, as a guarantee of the faithful performance of this Contract; and that Bidder will also submit the required insurance policies.

ARTICLE 6 - TIME OF COMPLETION

- 6.01 Bidder agrees that the Work will be substantially complete and ready for final payment in accordance with Paragraph 15.06 of the General Conditions on or before **November 1, 2018.**
- 6.02 Bidder accepts the provisions of the Agreement as to liquidated damages in the amount of \$1,000.00 for every consecutive day after the stated date in the Notice to Proceed and along with any time extension given per a Change Order and it may be retained from the monies which may be due.

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;
 - B. Affidavit for Corporation;
 - C. Required Bidder Qualification Statement with supporting data;
 - D. List of Proposed Subcontractors;
 - E. Non-Collusion Affidavit; and
 - F. Certifications as listed in Section 3—Procurement Forms & Supplements in the Table of Contents.

ARTICLE 8 - DEFINED TERMS

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

ARTICLE 9 - BID SUBMITTAL

BIDDER: *[Indicate correct name of bidding entity]*

By: _____

[Signature] _____

[Printed name] _____

(If Bidder is a corporation, limited liability company, partnership or joint venture, attach evidence of authority to sign.)

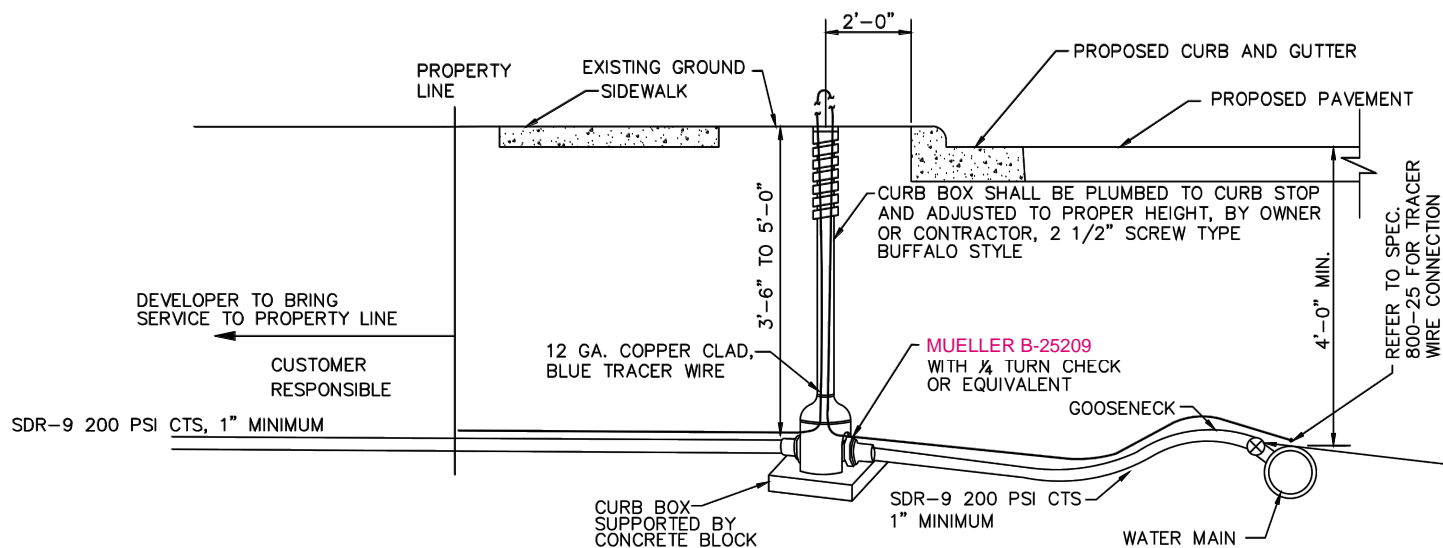
Address for giving notices: _____

Telephone Number: _____

Fax Number: _____

Bidder's Federal ID No.: _____

Contact Name and e-mail address: _____

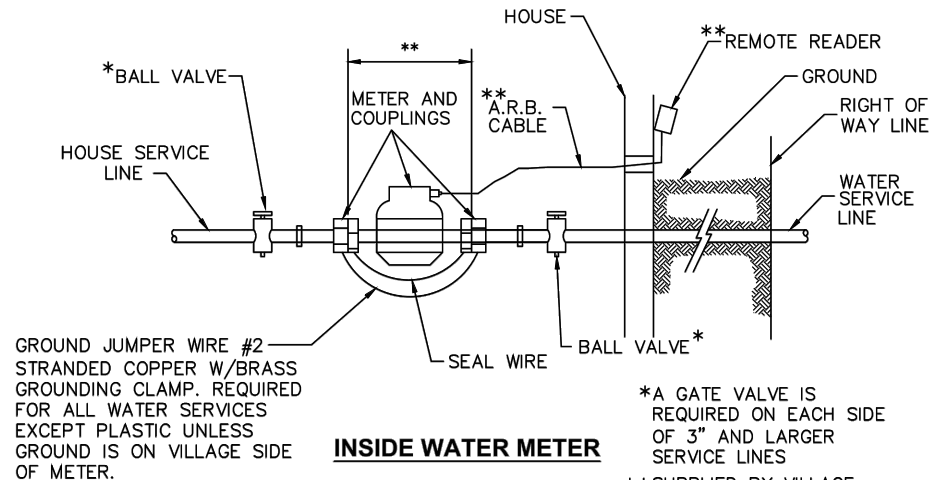


CORPORATION STOP SHALL BE MUELLER B25008, OR EQUIVALENT. CORPORATION STOP SHALL BE TAPPED INTO MAIN AT 45°. TAP TO BE MADE UNDER PRESSURE WITH ACCEPTABLE TAPPING MACHINE. IF PVC WATER MAIN, STAINLESS STEEL SADDLE SHALL BE ROMAC 101N, OR EQUIVALENT, FOR 1 1/2" TAPS, AND ROMAC 202N, OR EQUIVALENT, FOR 2" AND LARGER TAPS

NOTES

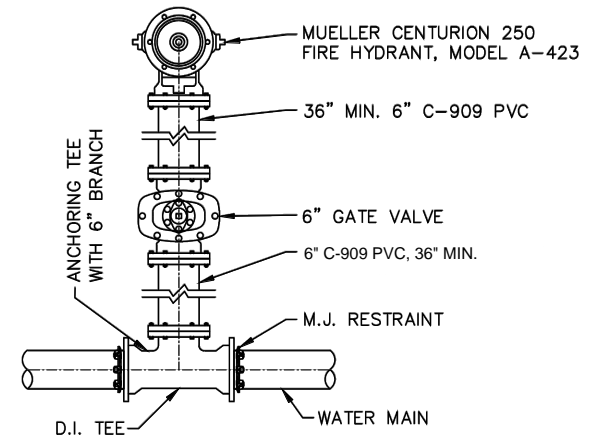
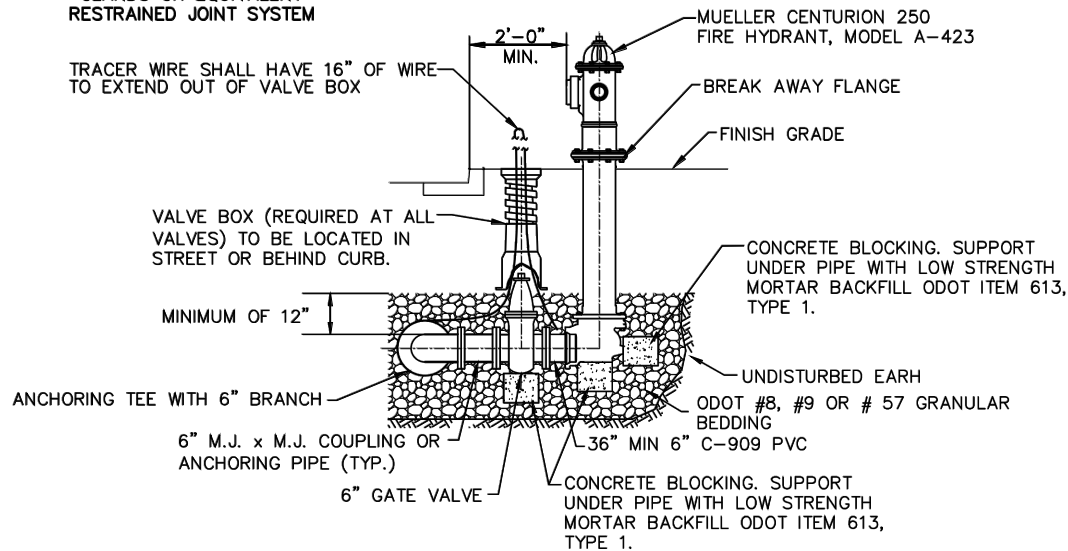
- A. SERVICE LINE - MINIMUM 1" WATER SERVICE SHALL BE SDR-9 HDPE CTS(200 PSI), BLUE IN COLOR. STAINLESS STEEL INSERTS ARE REQUIRED FOR ALL COMPRESSION FITTINGS.
- B. WATER SERVICE SHALL BE A MINIMUM OF 10' MEASURED HORIZONTALLY FROM THE SEWER SERVICE AND SHALL BE A MINIMUM OF 18" ABOVE THE CROWN OF THE SANITARY SEWER MAIN WHERE THE WATER SERVICE CROSSES THE SEWER MAIN. WATER SERVICE MAY BE LAID ON BENCH IN THE SEWER LATERAL TRENCH IF CROWN IS A LEAST 18" BELOW INVERT OF WATER SERVICE, AND THE MINIMUM DISTANCE BETWEEN THE WATER SERVICE AND THE SEWER LATERAL IS 5'-0".
- C. INSIDE METER SETTER PROVIDED WITH TAP FEE OR METER PIT PROVIDED WITH HIGHER TAP FEE. INSIDE SETTER CUSTOMER IS RESPONSIBLE FOR METER FREEZE UP. CUSTOMER INSTALLS METER AND REMOTE WIRE TO OUTSIDE.
- D. THE CURB BOX TO BE PLACED BETWEEN THE CURB AND PROPERTY LINE. METER PIT SHALL BE PLACED BEHIND PROPERTY LINE.
- E. CURB BOX MAY BE PLACED BETWEEN SIDEWALK AND PROPERTY LINE.
- F. TRACER WIRE MUST BE INSTALLED ON ALL WATER SERVICES, REGARDLESS OF SERVICE LINE MATERIAL
- G. STAINLESS STEEL INSERTS MUST BE USED WITH COMPRESSION FITTINGS ON SDR 9 PIPE.
- H. ALL SERVICE BRASS SHALL BE LOW LEAD BRASS AND COMPLY WITH AWWA C-800. COMPONENTS IN CONTACT WITH POTABLE WATER WILL ALSO COMPLY WITH LATEST REQUIREMENTS OF THE FEDERAL SAFE DRINKING WATER ACT.

WATER MAIN SERVICE CONNECTION



*A GATE VALVE IS REQUIRED ON EACH SIDE OF 3" AND LARGER SERVICE LINES
 **SUPPLIED BY VILLAGE

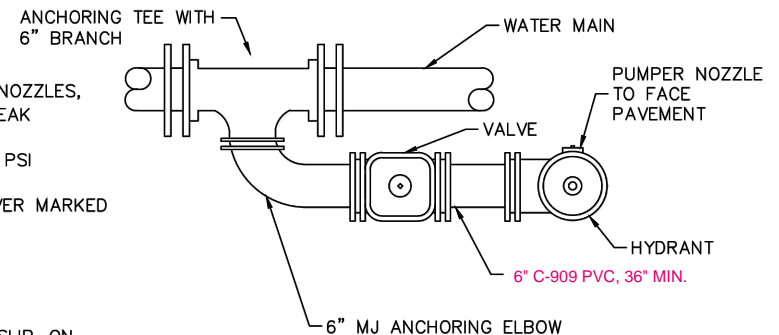
**M.J. FITTINGS WITH RETAINER
GLANDS OR EQUIVALENT
RESTRAINED JOINT SYSTEM**



BASIC TEE DETAIL PLAN

NOTES

- A. FIRE HYDRANTS SHALL BE MUELLER CENTURION, A-423, MECHANICAL JOINT, WITH (2) 2-1/2" HOSE NOZZLES, (1) 5 1/4" PUMPER NOZZLE, NATIONAL STANDARDS THREADS CONFORMING TO AWWA CCW TO OPEN, BREAK FLANGES 3" ABOVE GRADE.
- B. GATE VALVES SHALL BE AWWA C-509, RESILIENT WEDGE, NONRISING STEM, MECHANICAL JOINT, 150 PSI WORKING PRESSURE, CCW TO OPEN WITH ARROW INDICATING OPEN DIRECTION, MUELLER OR EQUIVALENT.
- C. VALVE BOXES SHALL BE 3-PIECE CAST IRON 6" DIAMETER NOMINAL, ADJUSTABLE SCREW TYPE, COVER MARKED "WATER", DOMESTIC MADE ONLY.
- D. ALL FITTINGS TO BE RESTRAINED.
- E. ALL FITTINGS TO BE AWWA C-153 DUCTILE IRON, COMPACT.
- F. ALL VALVES AND HYDRANTS SHALL OPEN LEFT BY TURNING IN A COUNTERCLOCKWISE DIRECTION.
- G. CONTRACTOR TO FACE HYDRANT AS REQUIRED BY THE VILLAGE.
- H. WATER MAIN SHALL BE AWWA C151 DUCTILE IRON PIPE CLASS 350 OR C909 DR 18 CL 150, WITH SLIP-ON JOINTS WITH RUBBER GASKETS AND MEGALUG RESTRAINS OR EQUIVALENT.
- I. THE LAYING OF PIPE ON EXISTING DIRT WITH THE BELLS CUT OUT, SHALL NOT BE PERMITTED.
- J. THE OPEN ENDS OF ALL PIPES AND SPECIAL CASTINGS SHALL BE PLUGGED OR OTHERWISE CLOSED WITH A WATERTIGHT PLUG TO THE APPROVAL OF THE VILLAGE BEFORE LEAVING THE WORK FOR THE NIGHT.
- K. ALL FIRE HYDRANTS SHALL BE BEDDED IN NATURAL #8, #9 OR #57 GRANULAR BEDDING, NO LIMESTONE IS PERMITTED.
- L. FIRE HYDRANT BREAK FLANGE SHALL BE NO LESS THAN 3" AND NO MORE THAN 6" ABOVE THE EXISTING GROUND ELEVATION. CONTRACTOR TO VERIFY THE NECESSARY FIRE HYDRANT BURY DEPTH.



**SPECIAL MECHANICAL JOINT
HYDRANT TEE DETAIL PLAN**

NOTES

A. RISER PIPE TO BE BEDDED SOLIDLY AGAINST UNDISTURBED GROUND. ALSO, TEE MAY BE SUBSTITUTED FOR WYE BRANCH IF SPECIFIED, AND APPROVED BY VILLAGE.

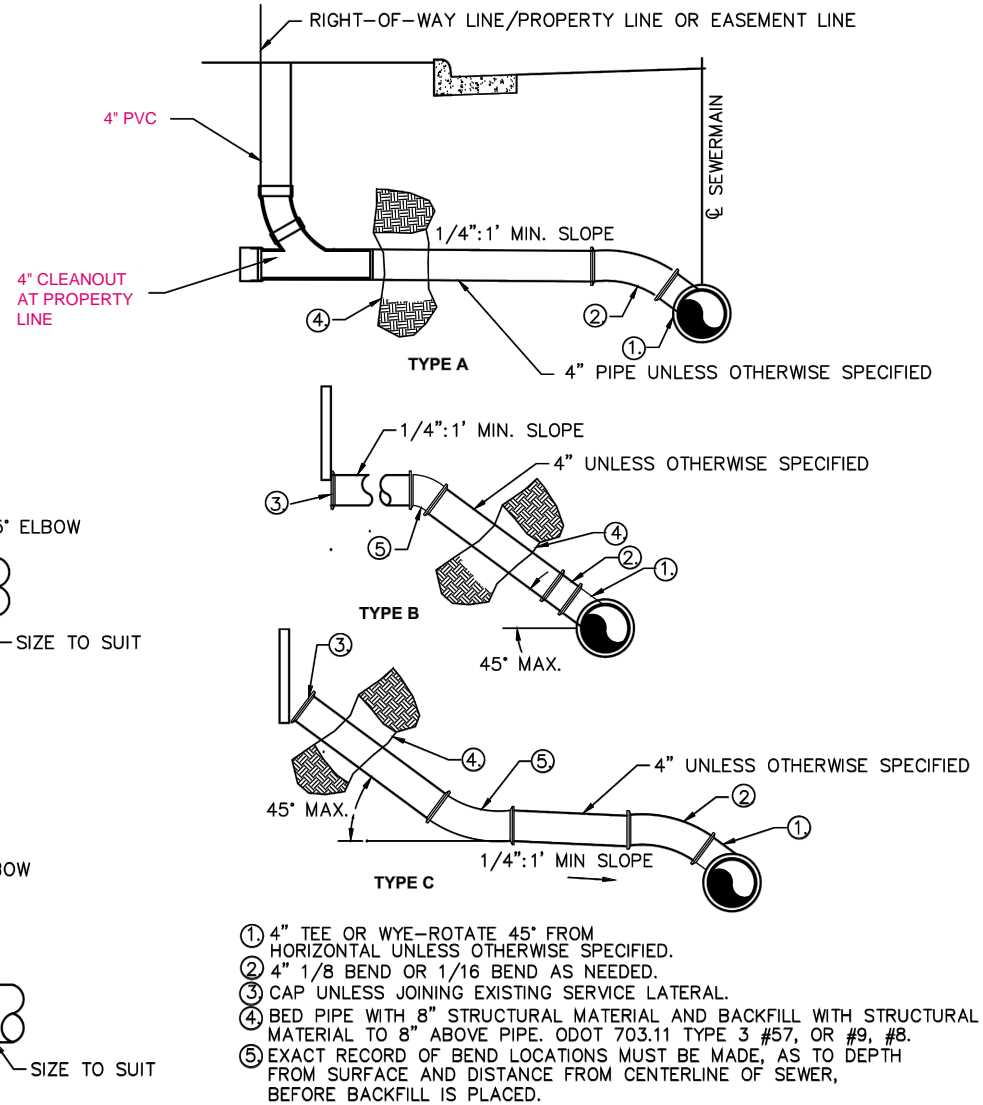
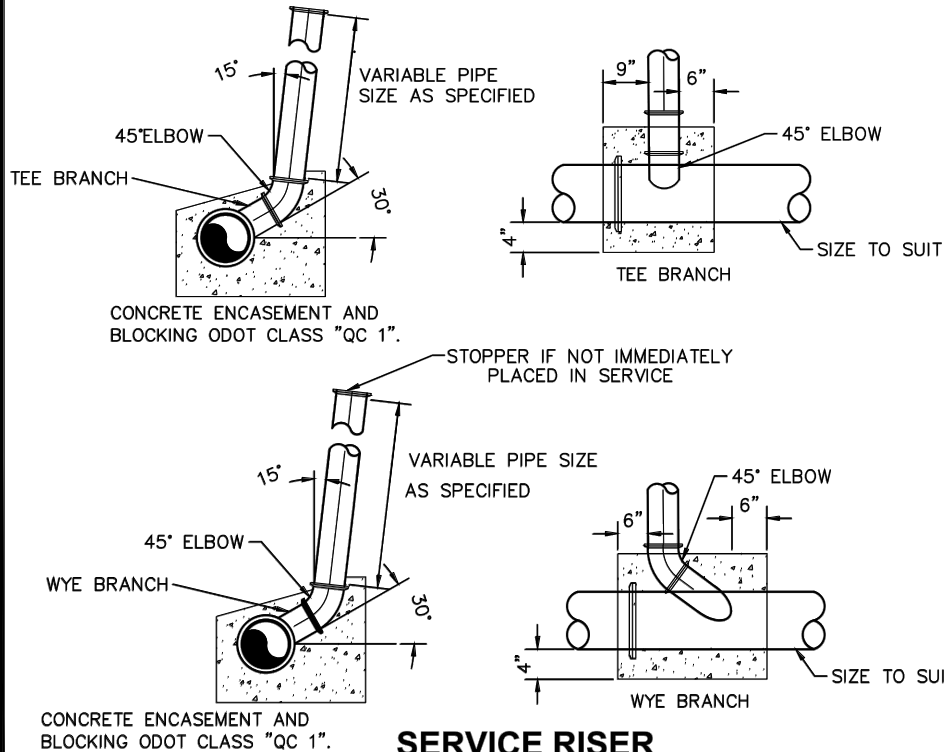
B. ALL SERVICE LATERALS SHALL BE WYE BRANCHES UNLESS APPROVED BY VILLAGE.

C. RISER PIPE TO BE INSTALLED SO THAT CONNECTING SERVICE SHALL HAVE A MINIMUM DEPTH OF 7' AT THE PROPERTY LINE UNLESS OTHERWISE DIRECTED BY THE VILLAGE.

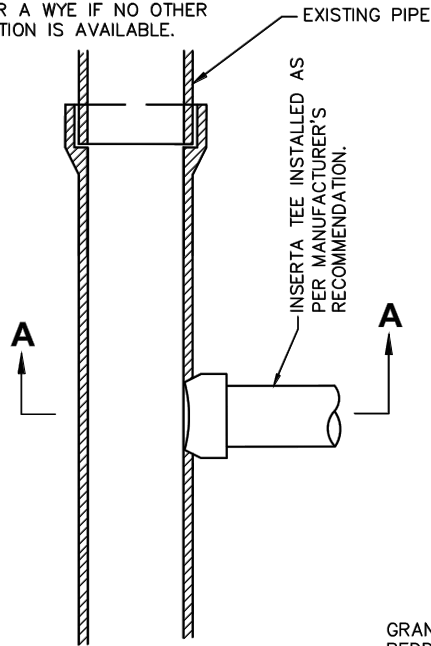
D. CONCRETE ENCASEMENT AND BLOCKING REQUIRED IF DEPTH OF CONNECTION IS 12' OR GREATER.

E. EACH SANITARY LATERAL MUST BE IN SEPARATE TRENCHES, UNLESS APPROVED BY THE VILLAGE.

F. ALL SERVICES TO HAVE CLEANOUT AT R/W OR EASEMENT LINE.

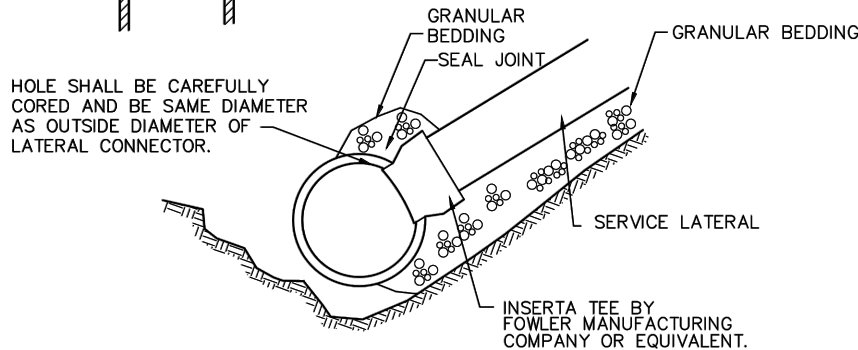


INSERTA TEES SHALL BE USED WHEREVER POSSIBLE. MAIN SHALL ONLY BE CUT FOR A WYE IF NO OTHER OPTION IS AVAILABLE.

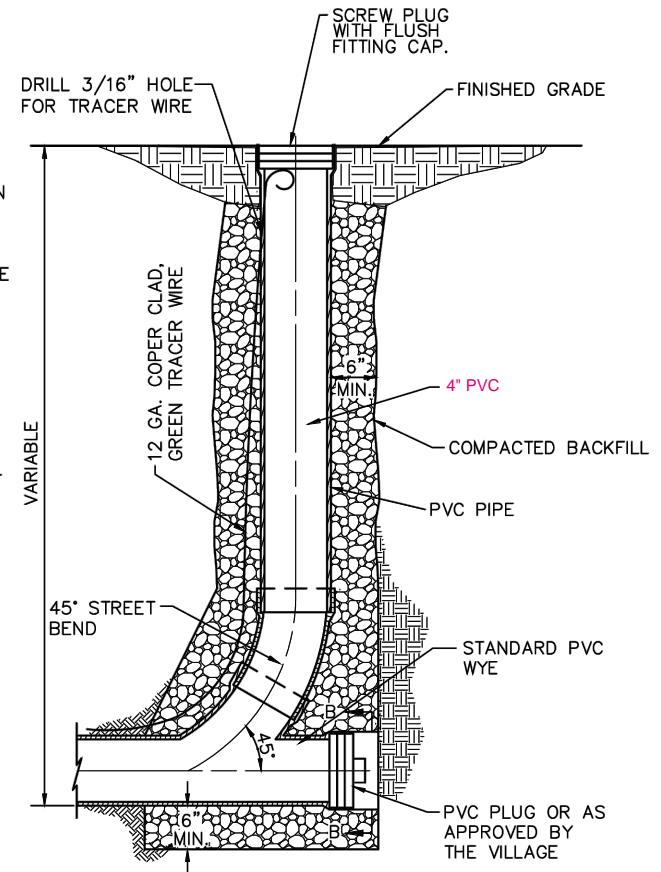


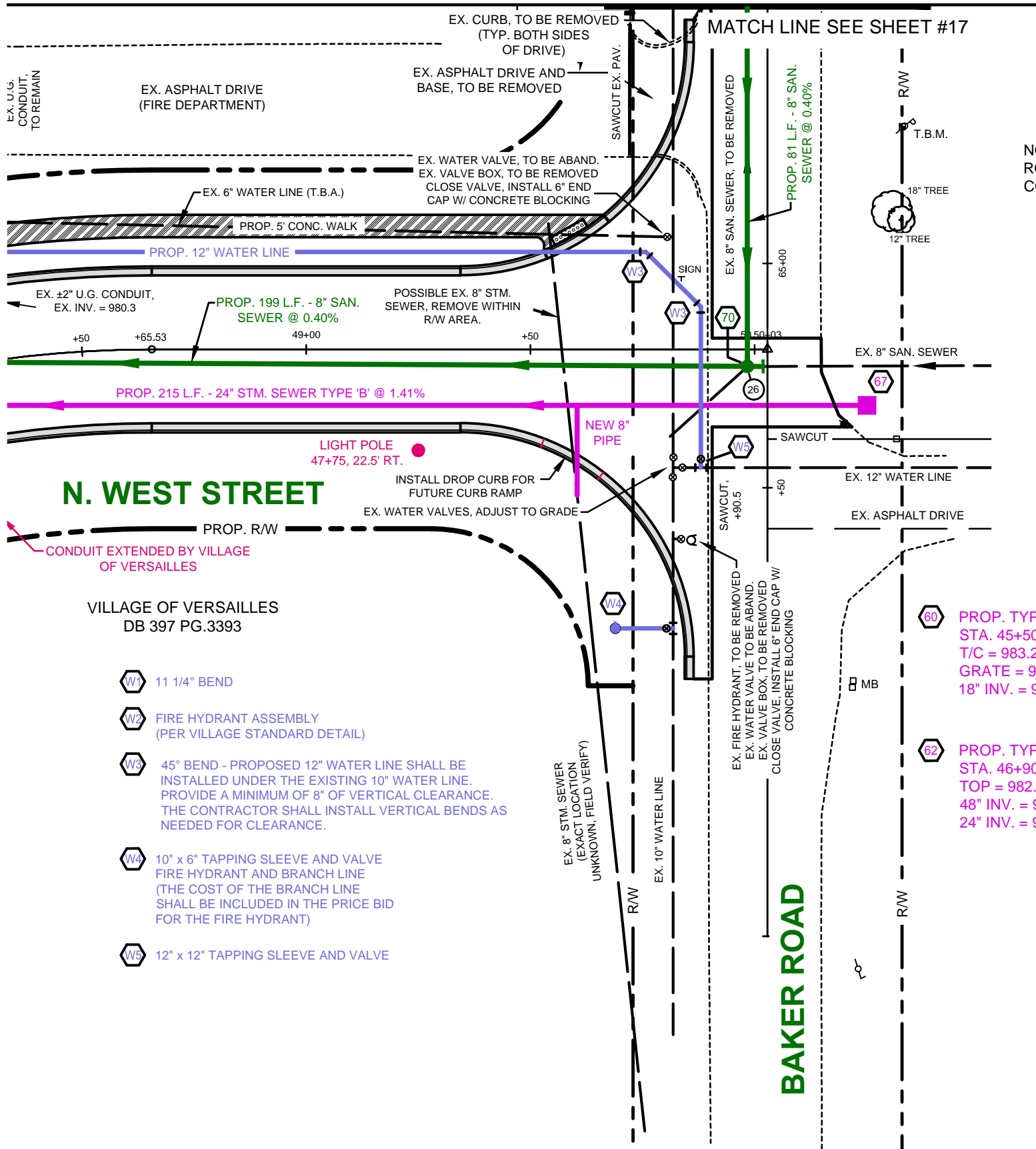
CLEANOUT DETAIL

- A. AT SANITARY LATERALS ONLY.
- B. CLEANOUT REQUIRED AT ALL R/W OR EASEMENT LINES.
- C. QWIK-SEAL GASKETS MAY BE USED FOR INSTALLATION INTO EXISTING CLAY SANITARY SEWER MAINS.
- D. CLEANOUT MATERIALS SHALL BE SCHEDULE 40 GLUED JOINTS OR SDR35 PVC MATCHING THE LATERAL PIPE SIZE DIAMETER.
- E. TRACER WIRE REQUIRED FOR EACH SANITARY SEWER LATERAL FROM THE MAIN TO THE CLEANOUT. TRACER WIRE SHALL BE EXTENDED UP THE CLEANOUT RISER TO A POINT JUST BELOW CLEANOUT CAP WHERE A 3/16" HOLE SHALL BE DRILLED THROUGH THE WALL OF THE PIPE.
- F. TRACER WIRE SHALL BE EXTENDED INTO THE CLEANOUT RISER WITH A MINIMUM OF 16" OF SPARE TRACER WIRE LEFT INSIDE OF THE RISER ONCE CAP IS INSTALLED.
- G. TRACER WIRE SHALL BE 12 GA. COPPER CLAD, GREEN IN COLOR. SPLICES IN TRACER WIRE SHALL BE MADE WITH A 3M DIRECT BURY SPLICE KIT, DBR/Y-6 OR VILLAGE APPROVED EQUAL.



SECTION A-A





W1 11 1/4° BEND

W2 FIRE HYDRANT ASSEMBLY (PER VILLAGE STANDARD DETAIL)

W3 45° BEND - PROPOSED 12" WATER LINE SHALL BE INSTALLED UNDER THE EXISTING 10" WATER LINE. PROVIDE A MINIMUM OF 8" OF VERTICAL CLEARANCE. THE CONTRACTOR SHALL INSTALL VERTICAL BENDS AS NEEDED FOR CLEARANCE.

W4 10" x 6" TAPPING SLEEVE AND VALVE FIRE HYDRANT AND BRANCH LINE (THE COST OF THE BRANCH LINE SHALL BE INCLUDED IN THE PRICE BID FOR THE FIRE HYDRANT)

W5 12" x 12" TAPPING SLEEVE AND VALVE

PROP. TYP STA. 45+50
T/C = 983.2
GRATE = 9
18" INV. = 9

PROP. TYP STA. 46+90
TOP = 982.
48" INV. = 9
24" INV. = 9