

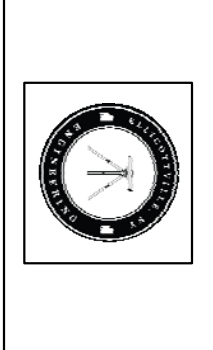
REVISIONS

DATE

ISSUE DATE: SEPTEMBER 2018

COMMENTS

EVL ENG DEPT.
WATER - W-04



TOWN & VILLAGE OF ELLIPTONVILLE

STANDARDS.

(26) THE CONTRACTOR SHALL DISINFECT THE INSTALLED WATER LINE & CONDUCT BACTERIOLOGICAL TESTING IN ACCORDANCE WITH AWWA STANDARD C851 & NDDOH.

(25) THE CONTRACTOR SHALL PERFORM WATER LEAKAGE/HYDROSTATIC TESTING IN ACCORDANCE WITH AWWA STANDARDS.

(24) THE CONTROL OF DUST ORIGINATING FROM THE CONSTRUCTION OPERATIONS IS CONSIDERED A CRITICAL RESPONSIBILITY OF THE CONTRACTOR. THE WATER SYSTEM OPERATOR WILL BE THE FINAL JUDGE OF THE ADEQUACY OF THE CONTRACTOR'S DUST CONTROL EFFORTS, AND WORK MAY BE SUSPENDED BY THE TOWN UNTIL ADEQUATE DUST CONTROL IS ATTAINED.

(23) THE CONTRACTOR SHALL CONFORM TO ALL CONDITIONS OF ANY APPLICABLE EASEMENTS.

(22) CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER DISPOSAL OF EXCAVATED MATERIAL FROM THE SITE.

(21) WHEREVER MAILBOXES, POSTS, FENCES, SHRUBBERY ETC. ARE IN CONFLICT WITH THE PROPOSED CONSTRUCTION, THEY SHALL BE REMOVED AND RESET AS NECESSARY.

(20) PROTECTION OF NEW OR EXISTING WORK SHEETING OR SHORING, IF REQUIRED DURING CONSTRUCTION, SHALL BE PROVIDED.

(19) CONTRACTOR SHALL PRESERVE AND PROTECT FROM DAMAGE ALL TREES, FENCES AND OTHER OBSTACLES WITHIN THE RIGHT OF WAY AND EASEMENT. WHEN IN PROXIMITY OF TREES, DRILL UNDER TREES, PER TOWN OF BATAVA.

(18) UTILITY POLES SHALL BE SUPPORTED, WHERE NECESSARY.

(17) ALL EXISTING UTILITY LINES AND SERVICE LATERALS NEAR OR CROSSING THE NEW WATER MAIN SHALL BE PROTECTED, PRESERVED AND SUPPORTED AS NECESSARY.

(16) A CRITICAL RESPONSIBILITY OF THE CONTRACTOR: EROSION CONTROL DEVICES SHALL BE ESTABLISHED PRIOR TO COMMENCING WORK.

(15) ALL CONCRETE SIDEWALKS CROSSED BY THE WATER MAIN INSTALLATION SHALL BE SAW CUT.

(14) ALL ASPHALT DRIVES CROSSED BY THE WATER MAIN INSTALLATION SHALL BE SAW CUT AT THE LIMIT OF THE DISTURBED AREA AND RESURFACED. WHEN DISTURBED AREA IS WITHIN THE RIGHT OF WAY, SAW CUT AND RESURFACE TO THE EDGE OF PAVEMENT.

(13) WATER SERVICE SHALL BE MAINTAINED AT ALL TIMES.

(12) MINIMUM VERTICAL SEPARATION BETWEEN WATER MAINS AND SEWER LINES SHALL BE 18 INCHES MEASURED FROM THE OUTSIDE OF THE PIPE AT THE POINT OF CROSSING. MINIMUM HORIZONTAL SEPARATION BETWEEN PARALLEL WATER MAINS AND SEWER PIPE (INCLUDING MANHOLES AND VALVES) SHALL BE 10 FEET MEASURED FROM THE OUTSIDE OF THE PIPES, MANHOLES OR VALVES. ONE FULL STANDARD LAYING LENGTH OF WATER MAIN SHALL BE CENTERED UNDER OR OVER THE SEWER FROM BOTH JOINTS WILL BE AS FAR FROM THE SEWER AS POSSIBLE. IN ADDITION, WHEN THE WATER MAIN PASSES UNDER THE SEWER, ADEQUATE STRUCTURAL SUPPORT (COMPACTED SELECTED FILL) SHALL BE PROVIDED FOR THE SEWER TO PREVENT EXCESSIVE DEFLECTION OF THE JOINTS AND SETTLING TO THE SEWER ON THE WATER MAIN.

(11) WHEN INSTALLING HYDRANTS OR BLOW-OFFS, SHOULD GROUND WATER BE ENCOUNTERED WITHIN 7 FEET OF THE FINISH GRADE, KEEP HOLES (DRAINS) SHALL BE PLUGGED.

(10) THE CONTRACTOR SHALL LOCATE, FLAG AND PRESERVE SURVEY MONUMENTS AND PROPERTY CORNER MARKERS. THE CONTRACTOR SHALL HAVE A LICENSED SURVEYOR RE-ESTABLISH ANY PROPERTY CORNERS OR SURVEY MONUMENTS DISTURBED DURING CONSTRUCTION.

(9) THE OWNER WILL OBTAIN ALL NECESSARY EASEMENTS OR PERMITS.

(8) SAFE AND CONTINUOUS THROUGH TRAFFIC AND INGRESS AND EGRESS FOR ADJACENT OWNER DRIVEWAYS, SERVICE ROADS AND PUBLIC STREETS SHALL BE MAINTAINED THROUGHOUT THE PERIOD OF CONSTRUCTION.

(7) HIGHWAY DRAINAGE SHALL BE MAINTAINED THROUGHOUT THE PERIOD OF CONSTRUCTION. THE ROADS SHALL BE KEPT CLEAN OF MUD AND DEBRIS AT ALL TIMES. CONTRACTOR RESPONSIBLE FOR ANY DAMAGE TO HIGHWAYS.

(6) ALL FITTINGS SHALL BE BACKED UP WITH 3,000 PSI CONCRETE THRUST BLOCK.

(5) WHERE THE CLEARANCE BETWEEN THE WATER MAIN AND ANY EXISTING UTILITY OR SERVICE CONNECTIONS IS LESS THAN ONE (1) FOOT, NYS DOT ITEM #203.07M SELECT GRANULAR FILL SHALL BE PROVIDED.

(4) MINIMUM COVER ON ALL NEW WATER MAIN IN LAWN, FIELDS, AND DRIVES SHALL BE FIVE (5) FEET MEASURED FROM FINISH GROUND SURFACE EXCEPT OTHERWISE NOTED. MINIMUM COVER ON ALL NEW WATER MAIN IN ROADS SHALL BE SIX (6) FEET MEASURED FROM THE FINISH GROUND SURFACE EXCEPT OTHERWISE NOTED.

(3) THE CONTRACTOR SHALL EXPOSE EXISTING UTILITIES, SEWERS AND LATERALS AHEAD OF PIPE LAYING OR OTHER WORK OPERATIONS SO THAT IF MINOR ADJUSTMENTS MUST BE MADE IN ELEVATION AND/OR ALIGNMENT, DUE TO INTERFERENCE, THESE CHANGES CAN BE MADE IN ADVANCE OF THE WORK.

(2) ALL WORK IS TO BE COMPLETED IN ACCORDANCE WITH NYS/DOT, LOCAL DOH, NYS/DOT, OSHA, AND TOWN/VILLAGE REQUIREMENTS.

(1) CONTRACTOR RESPONSIBLE FOR VERIFYING, BEFORE CONSTRUCTION, THAT THE LATEST STANDARD DETAILS ARE BEING USED, AS POSTED ON THE ELLIPTONVILLE ENGINEERING WEBSITE.

NOTES:

2) MU GRIP RINGS - ROMAC INDUSTRIES

1) AWWA C153 (MIN 250PSI WORKING PRESSURE)

- MANUFACTURERS - SIGMA, SIP, OTHER USA MADE PRODUCT

MATERIALS - JOINTS:

2) AWWA C901/906 DR9 (250 PSI) HDPE PRESSURE PIPE - BUTT FUSION JOINTS/FITTINGS WHEREVER POSSIBLE & TRACER WIRE

- ASTM D2774 INSTALLATION METHODS

1) AWWA C900 DR14 (305PSI) PVC PRESSURE PIPE - GASKETED INTEGRAL BELL JOINTS & TRACER WIRE

- OPEN TRENCH PREFERRED - AWWA C805 INSTALLATION METHODS

MATERIALS - PIPE: