



## **TOWN OF ARLINGTON**

### **BID # 15-12 WATER DISTRIBUTION SYSTEM IMPROVEMENTS MARCH 31, 2015**

#### **PLAN LIST:**

- BASE BID: ALPINE STREET AREA - SHEETS 2-4**
- BID ALTERNATIVE 1: SUMMER STREET AREA - SHEET 4**
- BID ALTERNATIVE 2: HIGH HAITH AREA - SHEET 5**
- TYPICAL CONSTRUCTION DETAILS: SHEETS 5-6**



**BASE BID - ALPINE STREET AREA**

**General Notes**

1. This plan was developed using available aerial imagery, existing plans & on-site observations.
2. An on-the-ground survey was not conducted during the development of this plan. The location and dimensions of features shown on this plan are approximate. It shall be the sole responsibility of the contractor to determine locations of any existing utilities and/or features not shown on this plan.
3. The contractor shall notify the Town of Arlington Engineering Division and/or Water/Sewer Division of all discrepancies from this plan identified in the field.
4. All on-site drainage catch basins shall be equipped with an inlet protection device during all construction activities. Any sediment that enters the Town's Stormwater Sewer System as a result of this work shall be removed by the contractor at his cost.
5. Any areas disturbed by the contractor outside the limits of work shall be restored to original condition at no cost to the owner.
6. The contractor must notify all utilities prior to performing any excavation work. The Town of Arlington is not a member of "Dig-Safe" and must be notified directly at least 72-Hours prior to any excavation at 781-316-3310 or 781-316-3301.
7. The location, number, & type of proposed fittings shown on this plan are intended for illustrative purposes only. Field conditions will dictate the location, number, & type of fittings required. All installations shall be to the full satisfaction of the Town of Arlington.
8. The location of proposed water service laterals are not shown on this plan. The location of new 3/4" copper service laterals shall be field determined and laid out to the satisfaction/approval of the Town of Arlington.
9. Trenches shall be backfilled with suitable material and compacted in layers not over 6" deep using mechanical compactors or jet-rodging. Backfill material shall be compacted to 95% of maximum dry density as determined by AASHTO Standard Test T99 Method C.

No.	Revision/Issue	Date



**Water Distribution System Improvements Plan**  
for  
**Various Locations**  
Arlington, MA

Project:	BID 15-12	Sheet:	2 of 6
Drawn By:	KPK		
Scale:	1" = 20'		
Date:	3/24/2015		



**BASE BID - ALPINE STREET AREA**

**General Notes**

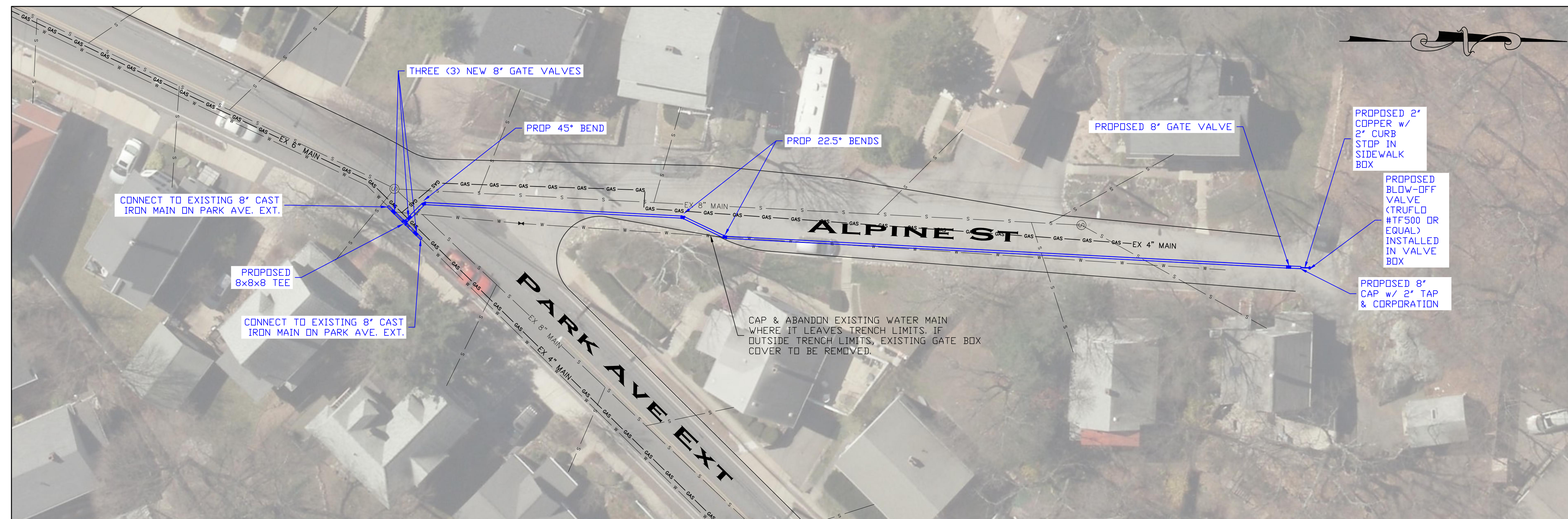
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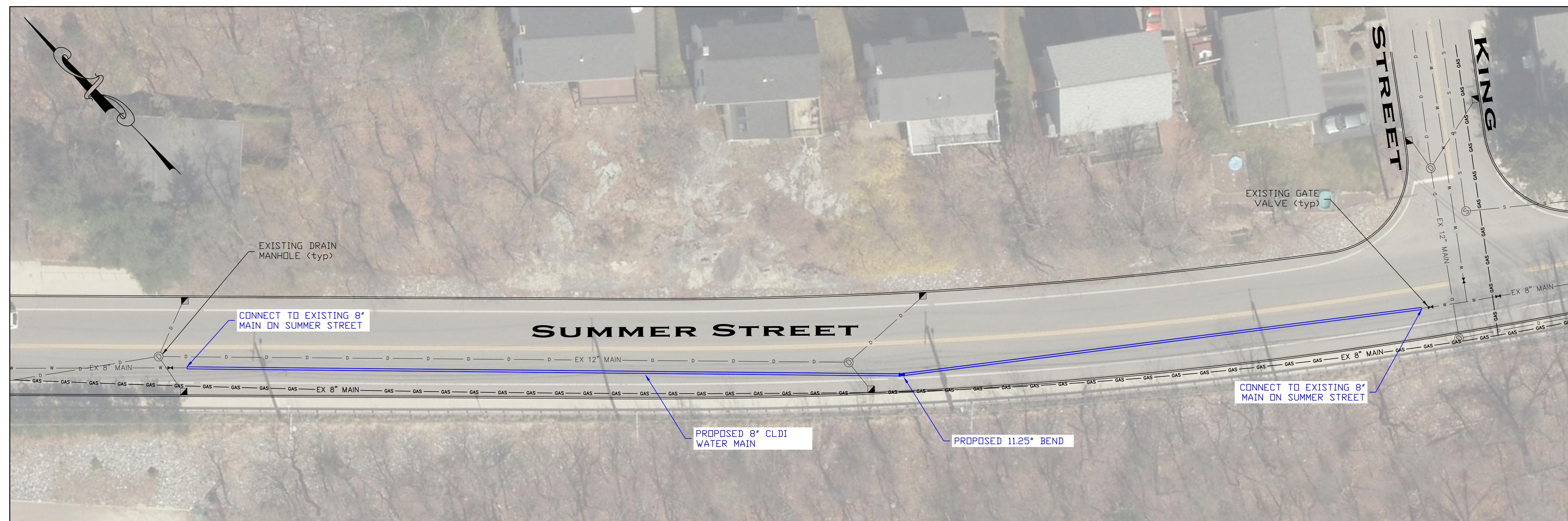


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Project:	BID 15-12	Sheet:	3 of 6
Drawn By:	KPK		
Scale:	1" = 20'		
Date:	3/24/2015		



**BASE BID - ALPINE STREET AREA**



**ALTERNATIVE 1 - SUMMER STREET AREA**

**General Notes**

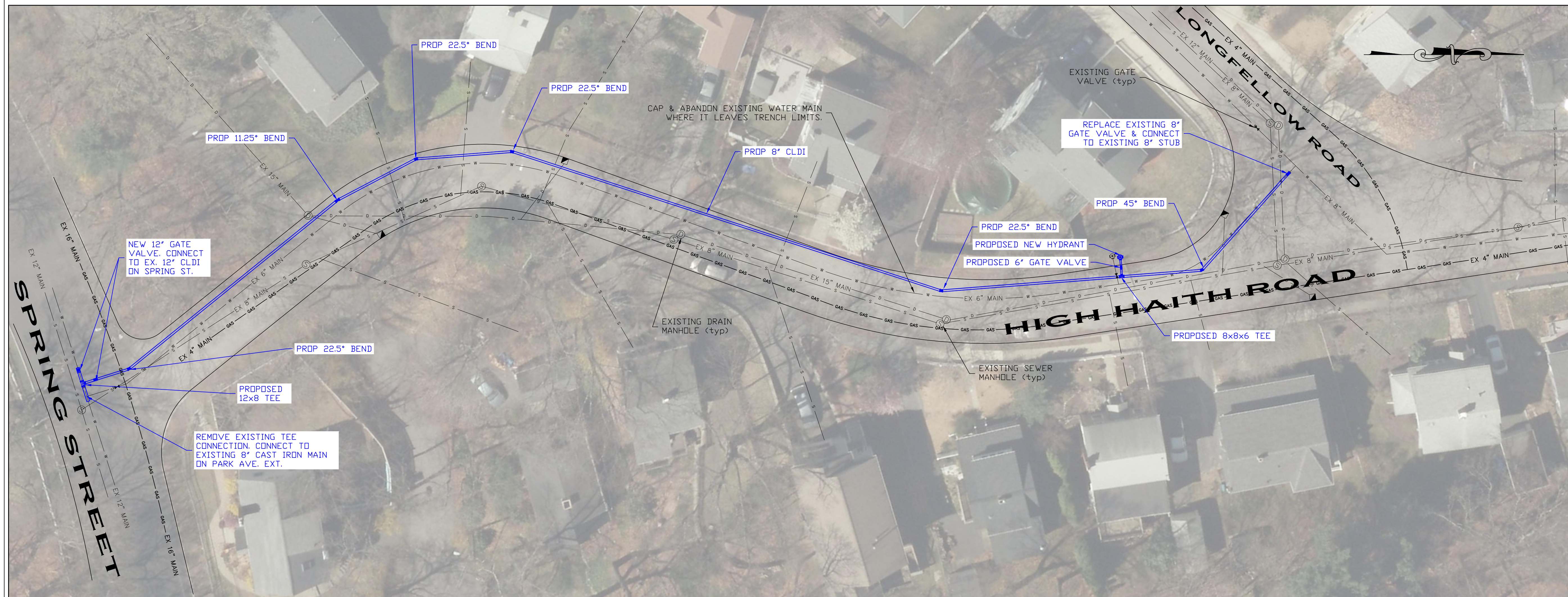
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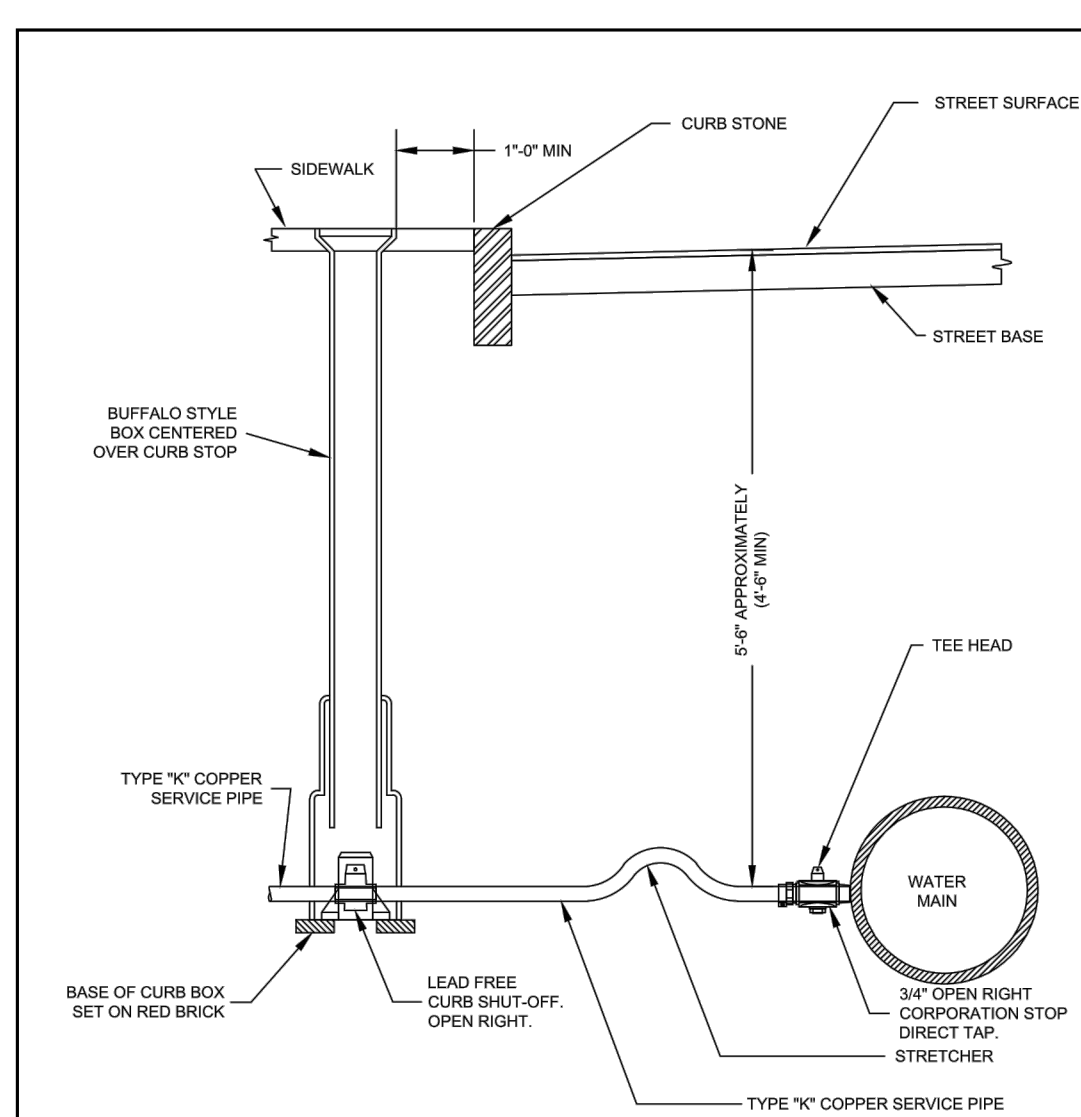
Project:	BID 15-12	Sheet	4 of 6
Drawn By:	KPK		
Scale:	1" = 80'		
Date:	3/24/2015		



## ALTERNATIVE 2 - HIGH HAITH ROAD AREA

### General Notes

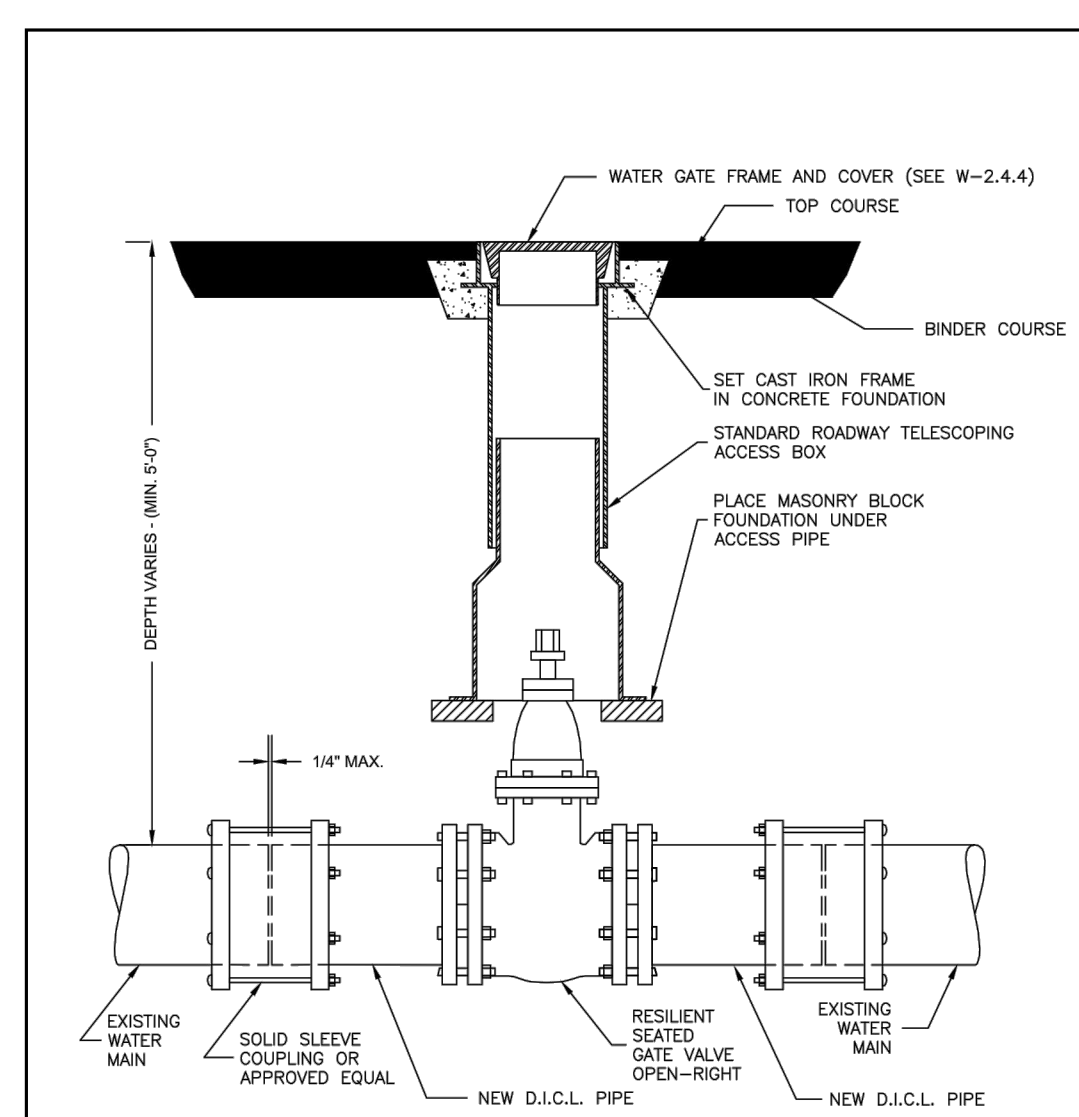
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NOTE:  
1. ALL INSTALLATIONS SHALL CONFORM TO TOWN OF ARLINGTON STANDARD WATER REGULATIONS & SPECIFICATIONS.

ARLINGTON  
TYPICAL WATER CONNECTION FOR 3/4" SERVICE

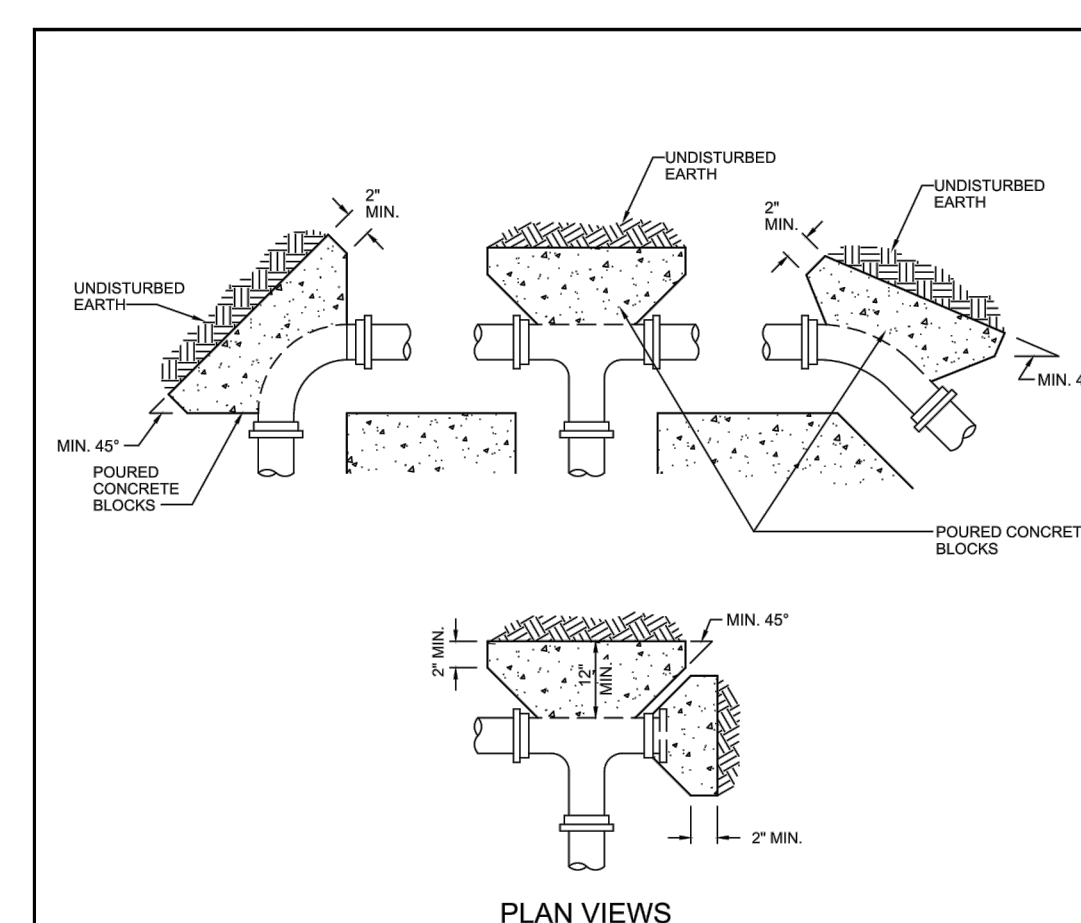
REVISION	W-0001
OCT. 2014	NOT TO SCALE



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ARLINGTON  
TYPICAL GATE VALVE INSTALLATION ON EXISTING MAIN

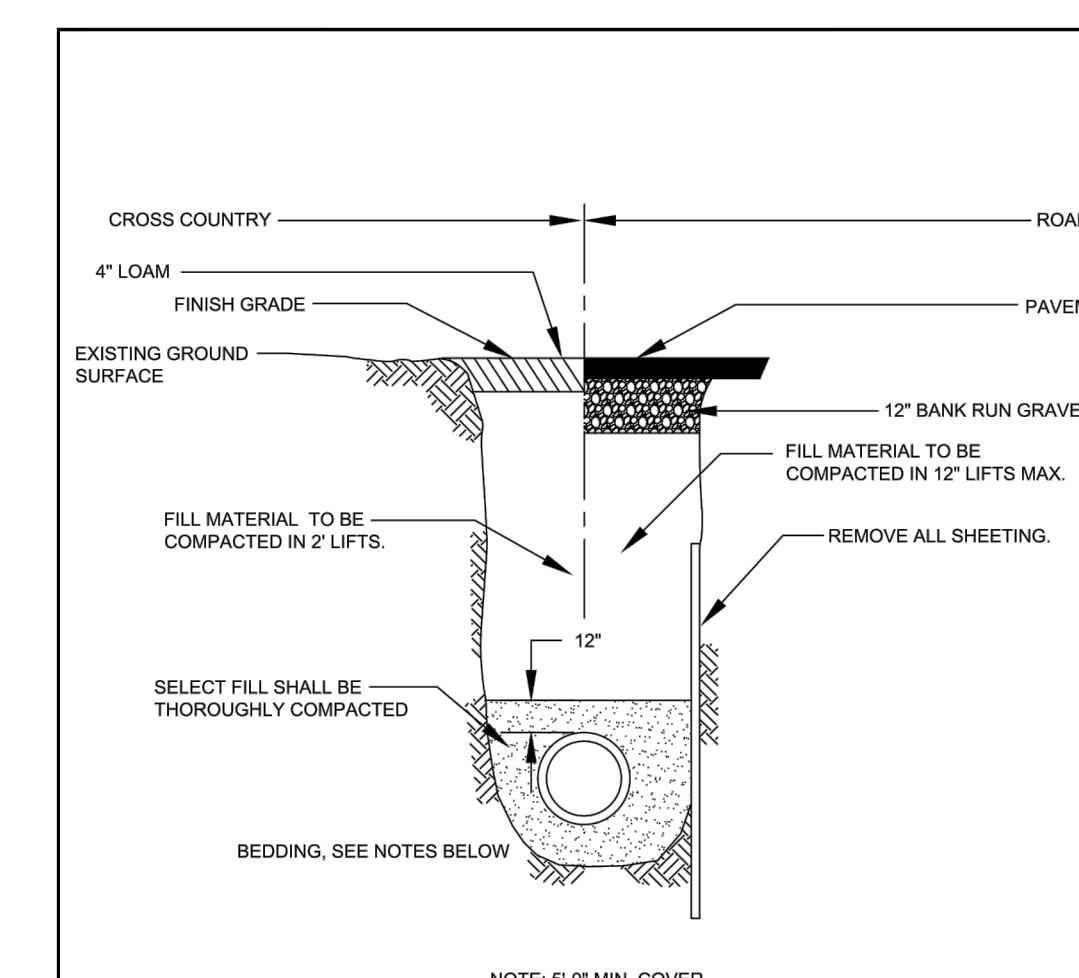
REVISION	W-0004
OCT. 2014	NOT TO SCALE



NOTE:  
1. ALL INSTALLATIONS SHALL CONFORM TO TOWN OF ARLINGTON STANDARD WATER REGULATIONS & SPECIFICATIONS.  
2. SPECIFIC THRUST BLOCK DESIGN SHALL CONFORM TO AWWA GUIDELINES.  
3. PLACE 4 mil. POLYETHYLENE BETWEEN CONCRETE AND FITTING (CONCRETE SHALL NOT INTERFERE WITH JOINT).  
4. MINIMUM CONCRETE THICKNESS SHALL BE 12 INCHES.  
5. THRUST BLOCK ORIENTATION SHALL BE SUCH THAT THE CENTER OF THE FITTING CORRESPONDS WITH THE CENTER OF THE THRUST BLOCK.  
6. THE MINIMUM ALLOWABLE ANGLE (EITHER VERTICAL OR HORIZONTAL) SHALL BE 45 DEGREES.

ARLINGTON  
TYPICAL THRUST BLOCK DETAIL

REVISION	W-0005
OCT. 2014	NOT TO SCALE



NOTE:  
1. ALL INSTALLATIONS SHALL CONFORM TO TOWN OF ARLINGTON STANDARD WATER REGULATIONS & SPECIFICATIONS.  
2. TOWN OF ARLINGTON MAY REQUIRE FLOWABLE FILL AT ITS DISCRETION.  
3. FOR LOCATIONS WHERE LEDGE IS NOT ENCOUNTERED IN TRENCH, PIPE SHALL BE LAID ON SAND BEDDING CONSISTENT WITH AWWA GUIDELINES.  
4. FOR LOCATIONS WHERE LEDGE IS ENCOUNTERED, SAND BEDDING SHALL BE MINIMUM OF 12" THICK UNDER PIPE.  
5. FILL MATERIAL SHALL BE COMPACTED TO 95% PROCTOR DENSITY.

ARLINGTON  
TYPICAL WATER MAIN TRENCH DETAIL

REVISION	W-0006
OCT. 2014	NOT TO SCALE

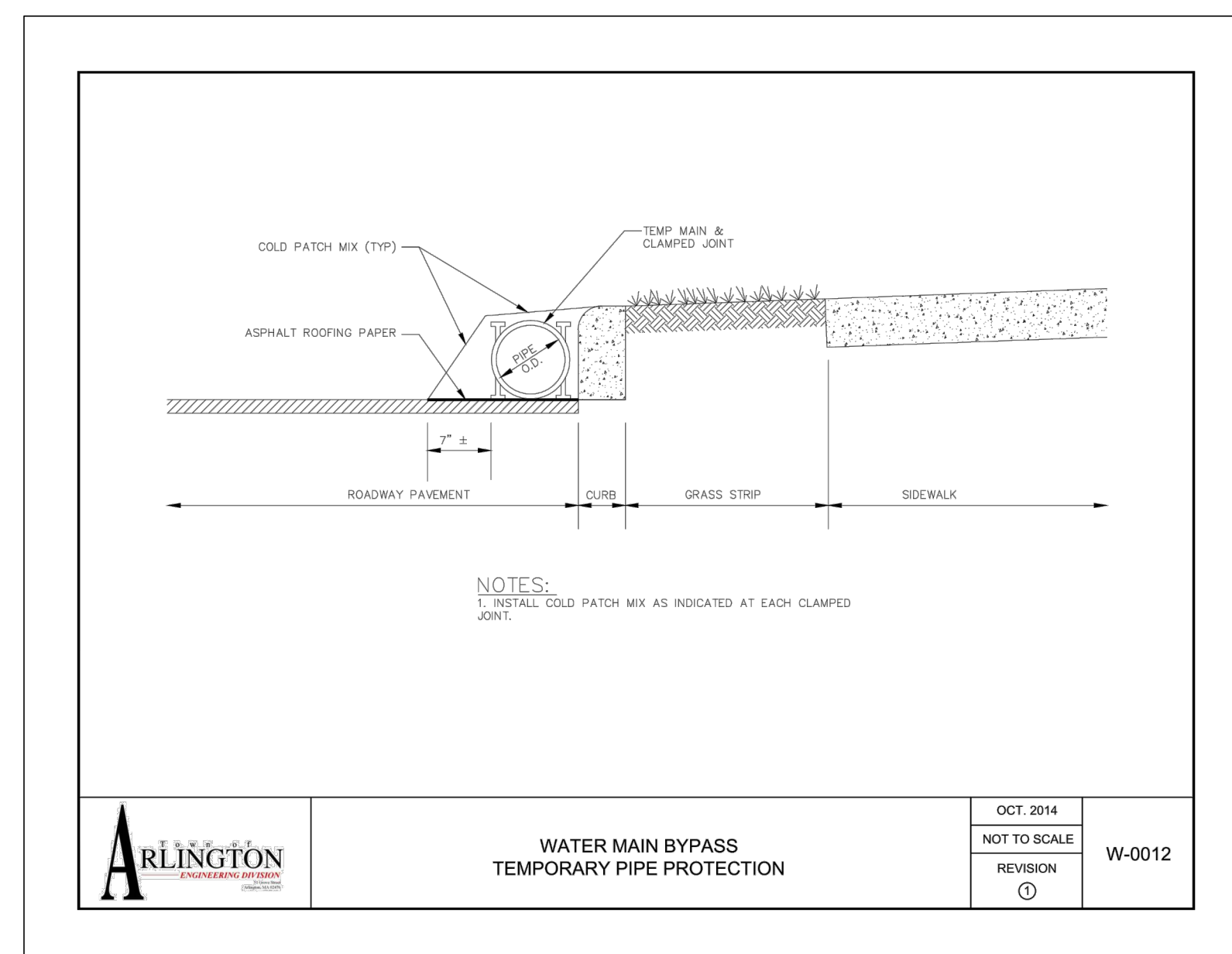
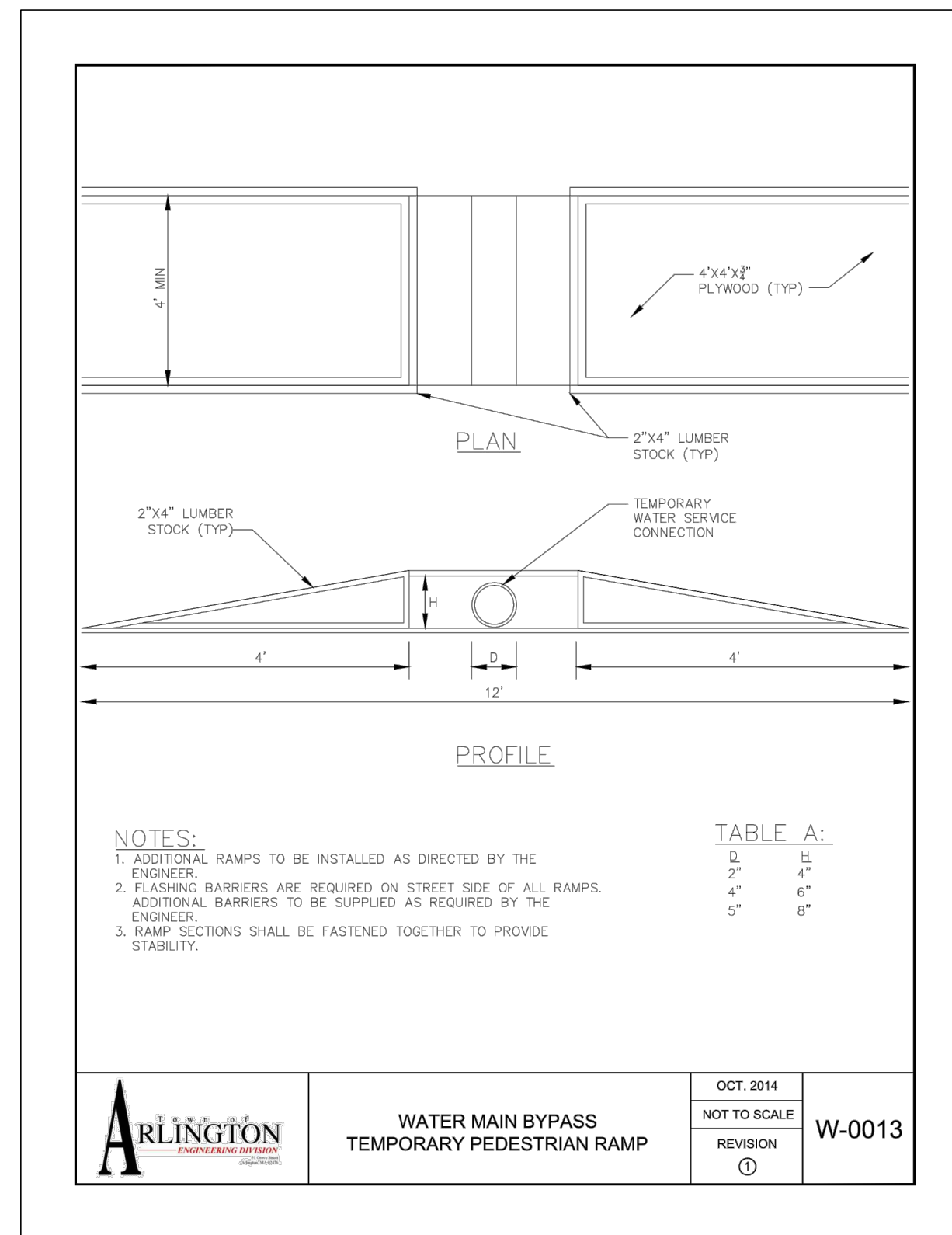
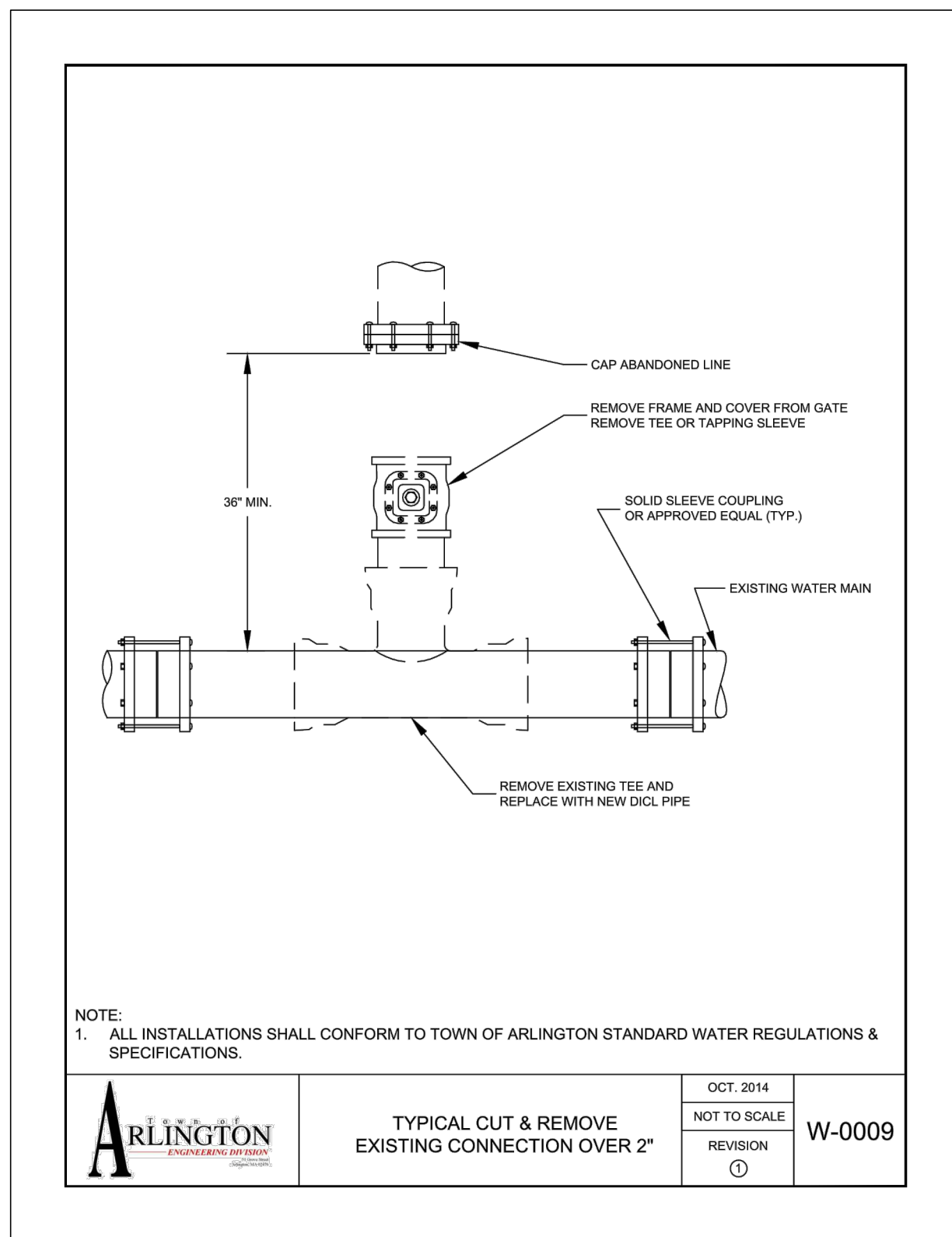
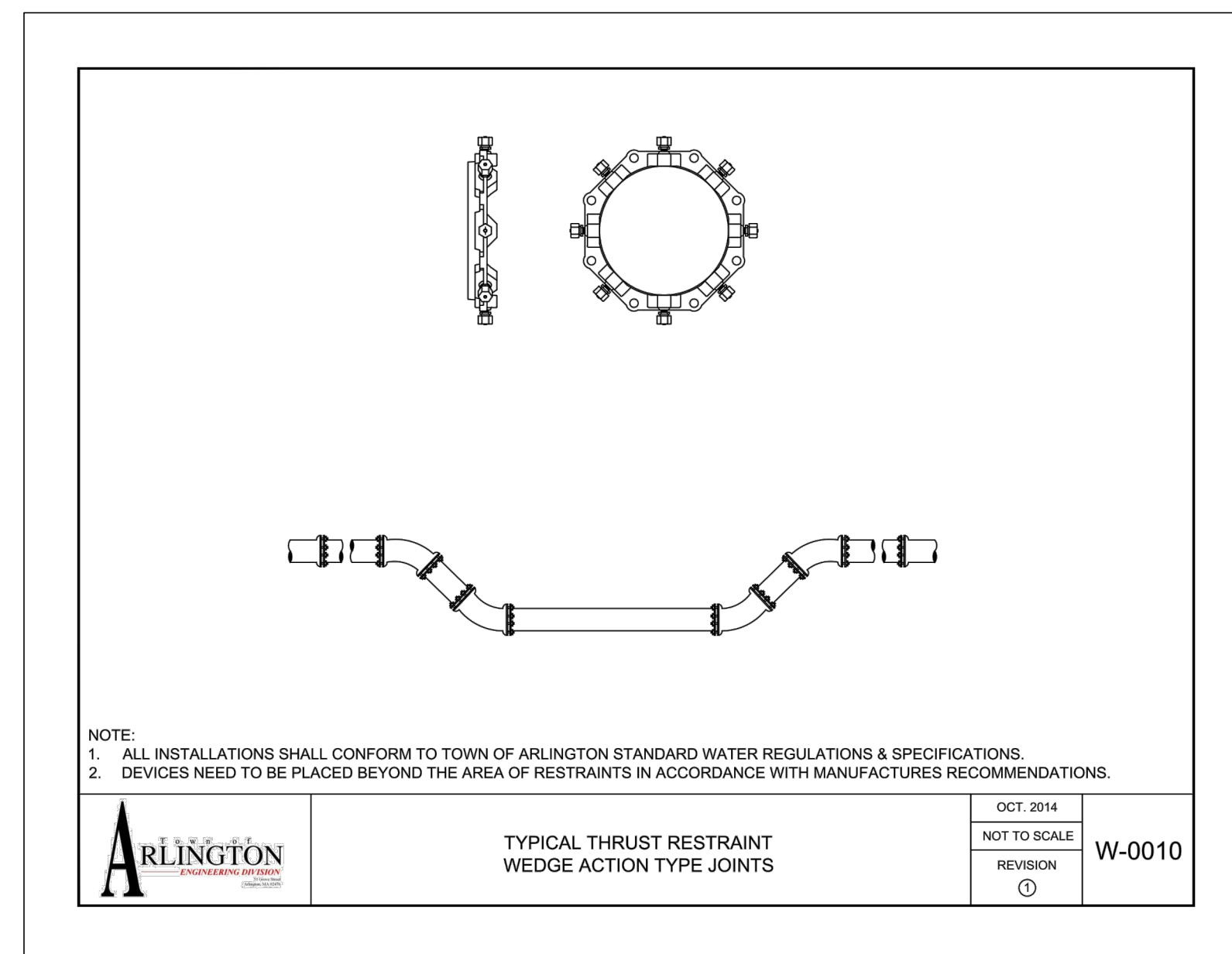
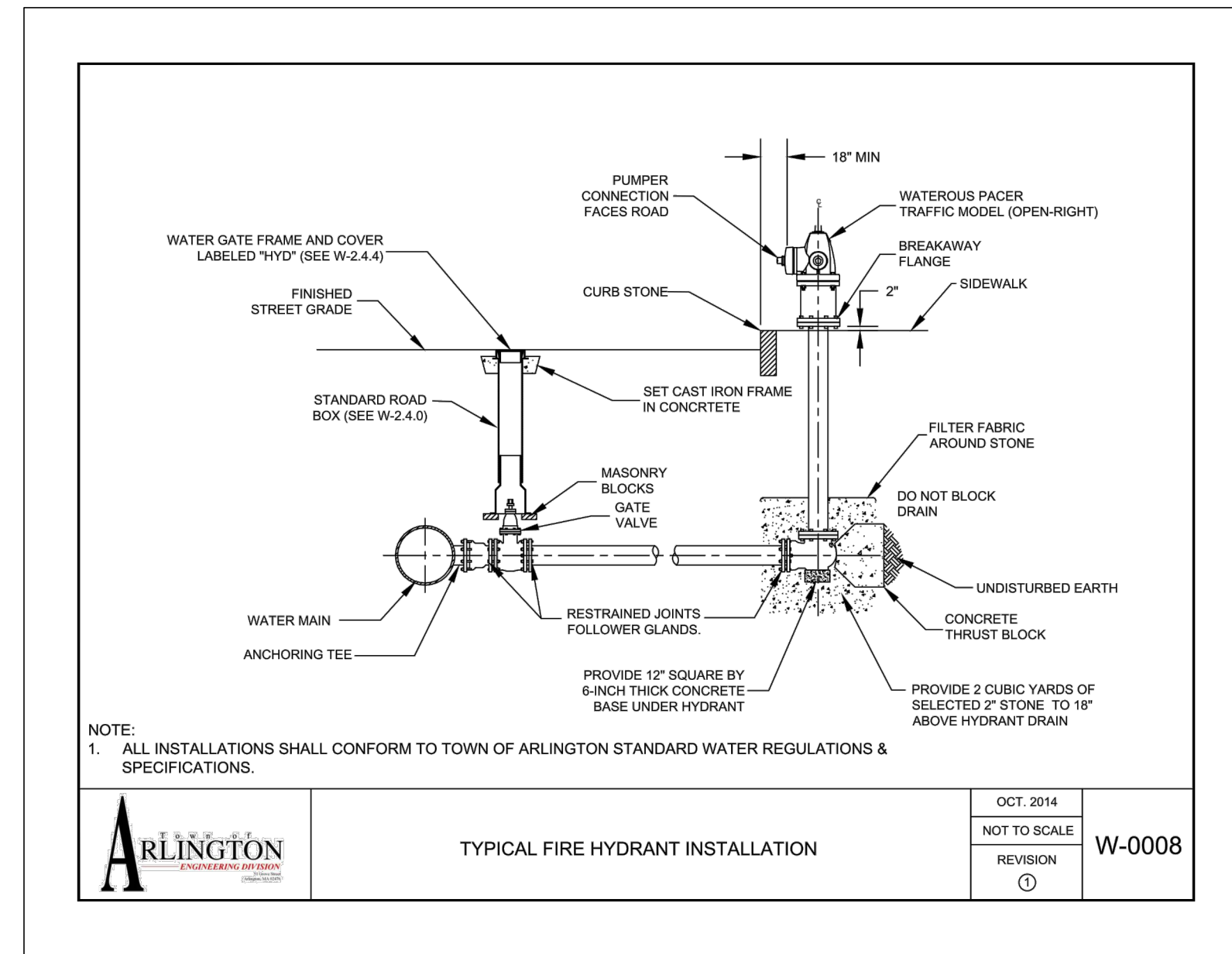
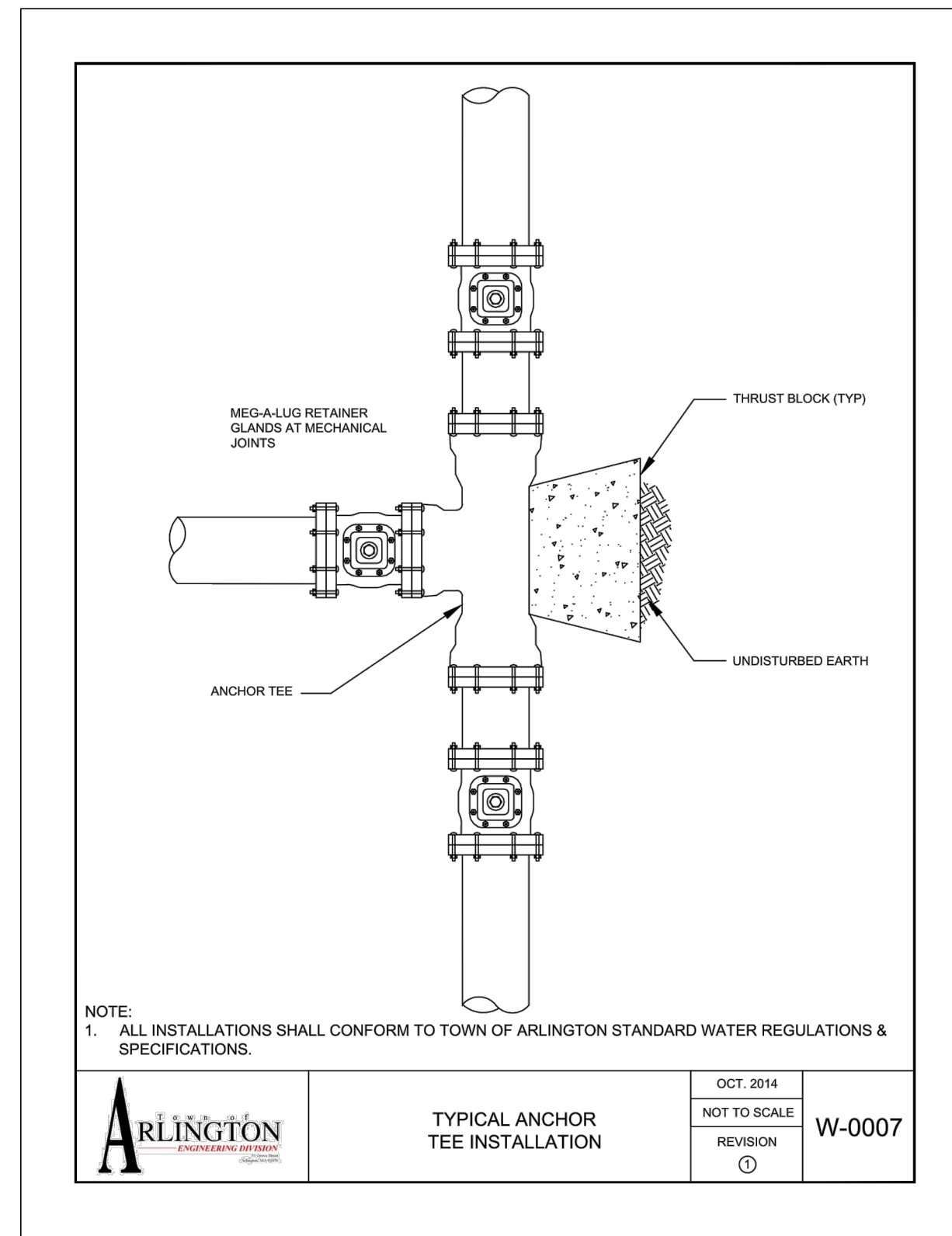
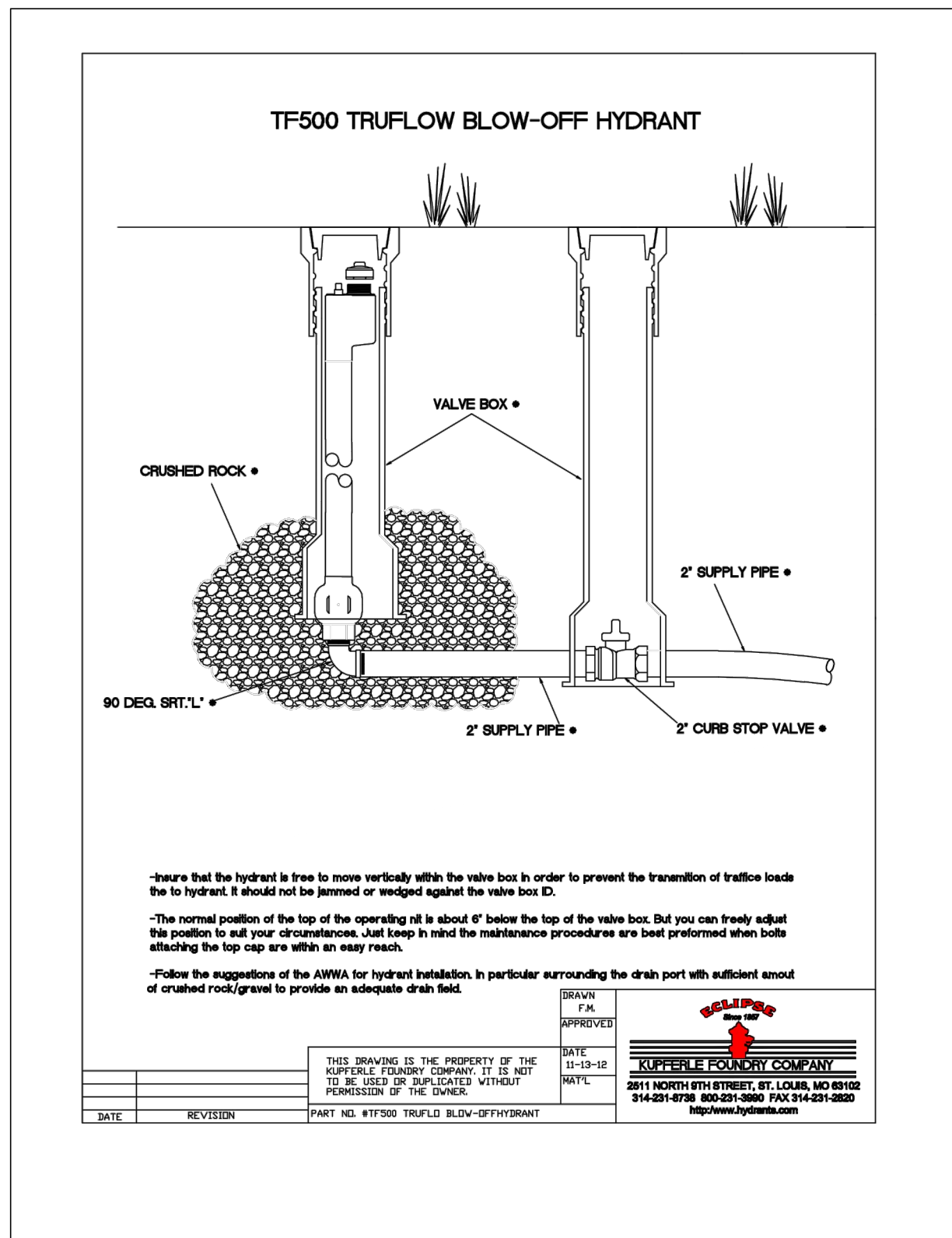
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