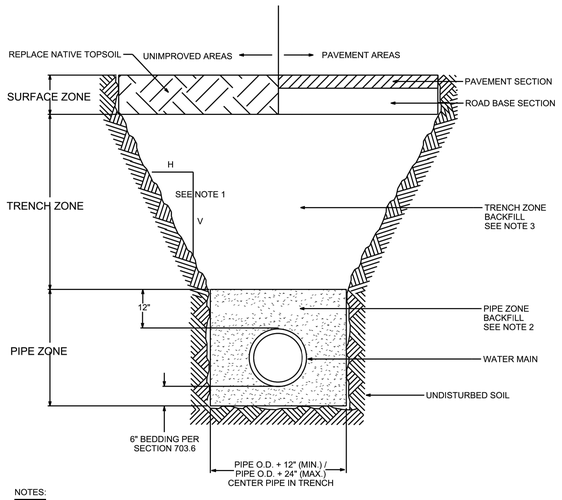
PART VII - WATER MAINS AND SERVICE LATERALS

DETAIL DRAWING NO. **7.01**

REVISED: 12/2015



NOTES:

1) ALL EXCAVATION SHALL BE IN ACCORDANCE WITH THE WISCONSIN ADMINISTRATIVE CODE FOR "TRENCH EXCAVATION AND TUNNEL CONSTRUCTION" AND ANY ADDITIONAL REQUIREMENTS INCLUDING IN THE CONTRACT DOCUMENTS.

2) BACKFILL OPERATIONS SHALL COMPLY WITH SECTIONS 703.6 AND 202.2(B) OF THE STANDARD SPECIFICATIONS.

3) THE PIPE ZONE BEDDING MATERIAL SHALL CONSIST OF SELECT FILL SAND, LIMESTONE SCREENINGS, CLEAR STONE, OR WASHED GRAVEL.

4) SEE SECTION 703.6.1 FOR BACKFILL/COMPACTION REQUIREMENTS OF BEDDING/COVER MATERIAL IN THE PIPE ZONE.

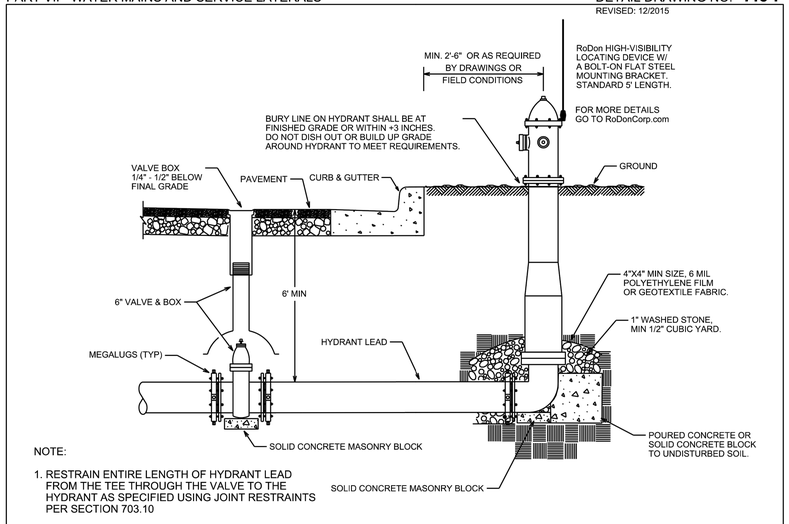
5) TRENCH ZONE COMPACTION REQUIREMENTS:
-- ALL COMPACTION OPERATIONS SHALL COMPLY WITH SECTION 703.6.3
-- DENSITY REQUIREMENTS:
1. FROM 2-FEET OVER THE PIPE TO WITHIN 3-FEET OF THE SUBGRADE: A MINIMUM OF 90% OF MAXIMUM DENSITY.
2. WITHIN 3-FEET OF THE BOTTOM OF SUBGRADE: A MINIMUM OF 95% OF MAXIMUM DENSITY.

NOT TO SCALE | (1) TYPICAL WATER PIPE TRENCH

PART VII - WATER MAINS AND SERVICE LATERALS

DETAIL DRAWING NO. **7.04**

REVISED: 12/2015



NOTE:

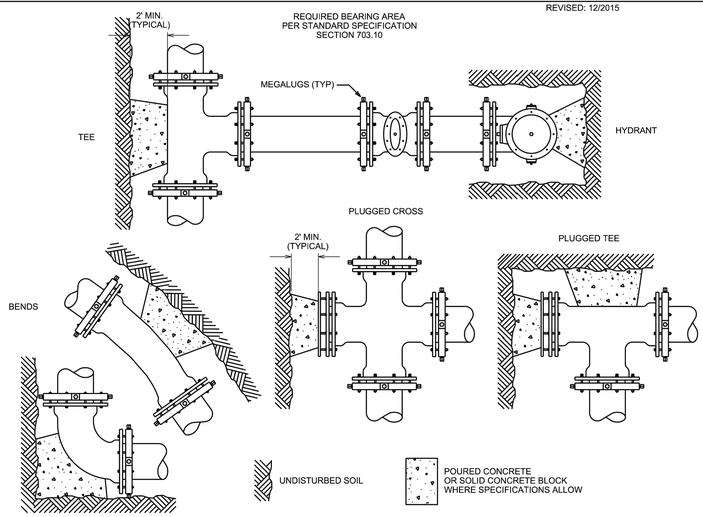
1. RESTRAIN ENTIRE LENGTH OF HYDRANT LEAD FROM THE TEE THROUGH THE VALVE TO THE HYDRANT AS SPECIFIED USING JOINT RESTRAINTS PER SECTION 703.10

NOT TO SCALE | (3) TYPICAL HYDRANT INSTALLATION

PART VII - WATER MAINS AND SERVICE LATERALS

DETAIL DRAWING NO. **7.13**

REVISED: 12/2015

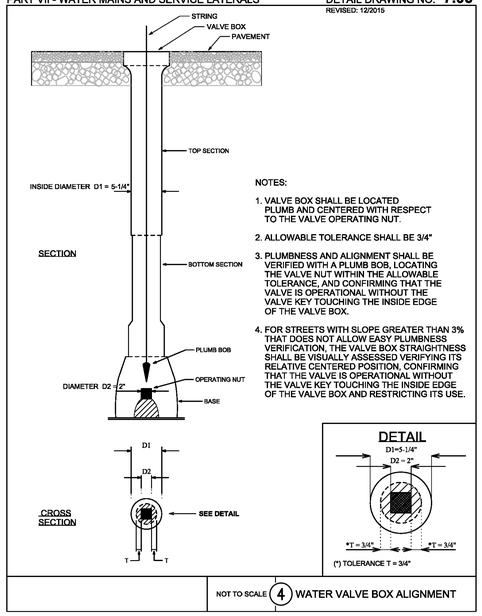


NOT TO SCALE | (2) STANDARD CONCRETE BLOCK THRUST RESTRAINT

PART VII - WATER MAINS AND SERVICE LATERALS

DETAIL DRAWING NO. **7.06**

REVISED: 12/2015



NOTES:

1. VALVE BOX SHALL BE LOCATED PLUMB AND CENTERED WITH RESPECT TO THE VALVE OPERATING NUT.
2. ALLOWABLE TOLERANCE SHALL BE 3/4"
3. PLUMBNESS AND ALIGNMENT SHALL BE VERIFIED WITH A PLUMB BOB, LOCATING THE VALVE NUT WITHIN THE ALLOWABLE TOLERANCE. AND CONFIRMING THAT THE VALVE IS OPERATIONAL WITHOUT THE VALVE KEY TOUCHING THE INSIDE EDGE OF THE VALVE BOX.
4. FOR STREETS WITH SLOPE GREATER THAN 3% THAT DOES NOT ALLOW EASY PLUMBNESS VERIFICATION, THE VALVE BOX STRAIGHTNESS SHALL BE VISUALLY ASSESSED VERIFYING ITS RELATIVE CENTERED POSITION, CONFIRMING THAT THE VALVE IS OPERATIONAL WITHOUT THE VALVE KEY TOUCHING THE INSIDE EDGE OF THE VALVE BOX AND RESTRICTING ITS USE.

NOT TO SCALE | (4) WATER VALVE BOX ALIGNMENT

CONSTRUCTION DOCUMENTS

Revisions:	Date

NORMAN JAMES O'BRIEN — WISCONSIN — E-44908 — COPPELL, TEXAS — PROFESSIONAL ENGINEER

12/16/20

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Approved: Chief of MH	Approved: Chief of FMS
Date:	Date:
Approved: Director	Approved: VA Energy Engineer
Date:	Date:

Drawing Title: **STANDARD DETAILS: WATER**

Project Name: **CONSTRUCT TWO CLC HOMES**

Project Number: **676-324**

Date: 12/16/2016

Location: **TOMAH VAMC 500 E. VETERANS STREET TOMAH, WI. 54660**

Drawing Number: **1-CU-503**

Building Number	Checked	Drawn
	OEI	OEI

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Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231

REVISED: 12/14/16 – GDAVIS P:\Current Jobs\453.001_Cox_Design_VAMC_Tomah_Wisconsin\Dwg\Sheets_As_Bid\161020_Project_Redesign\16-676-324-CU-503_Details_Madison_02.dwg PLOT SCALE: 1:1 PLOT STYLE: 22x34_DWG-DWF_Grayscale.ctb PLOTTED BY: GARY DAVIS ON 12/15/2016