

VINE STREET WATER MAIN REPLACEMENT



PROJECT # 23WA04

GENERAL WATER NOTES:

1. ALL WATER SYSTEM WORK SHALL BE IN CONFORMANCE WITH ODOT 2021 STANDARD SPECIFICATIONS WITH SPECIAL PROVISIONS PROVIDED BY THE CITY. IN CASES OF CONFLICT, THE CITY OF ROSEBURG SPECIAL PROVISIONS SHALL TAKE PRECEDENCE OVER THE STANDARD SPECIFICATIONS.
2. A PRECONSTRUCTION MEETING SHALL BE HELD WITH THE ENGINEER AND CONTRACTOR PRIOR TO START OF CONSTRUCTION.
3. ALL PIPE FOR WATER MAINLINES SHALL BE THICKNESS CLASS DUCTILE IRON AS SPECIFIED IN ANSI/AWWA C151/A21.51-09, TABLE 3, UNLESS OTHERWISE SPECIFIED. 4-INCH DI PIPE SHALL BE CLASS 52, 6-INCH DI SHALL BE CLASS 51, AND 8-INCH THROUGH 16-INCH DI SHALL BE CLASS 50. 18-INCH & LARGER DI PIPE SHALL BE CLASS 52.
4. ALL METALIC WATER MAIN PIPE SHALL BE ENCASED WITH V-BIO POLYETHYLENE ENCASEMENT OR APPROVED EQUAL.
5. GATE VALVE BRAND MANUFACTURES APPROVED BY THE CITY OF ROSEBURG INCLUDE: AMERICAN FLOW CONTROL SERIES 2500, AMERICAN AVK SERIES 65, AND EAST JORDAN (EJ) FLOWMASTER.
6. FIRE HYDRANT BRAND MANUFACTURES APPROVED BY THE CITY OF ROSEBURG INCLUDE: AMERICAN FLOW CONTROL - WATEROUS PACER WB-67-250, AMERICAN AVK SERIES 2780 NOSTALGIC, AND EAST JORDAN (EJ) WATERMASTER 5CD250 3-NOZZLE.
7. THE CONTRACTOR SHALL HYDROSTATICALLY TEST, AND CHLORINATE ALL NEW WATER MAINLINES INSTALLED. THE ENGINEER SHALL WITNESS ALL TESTS MADE BY THE CONTRACTOR TO INSURE THEY ARE PERFORMED PROPERLY. TEST PRESSURES SHALL BE DETERMINED BY THE ENGINEER PRIOR TO THE TEST.
8. ALL CONSTRUCTION & TESTING IS SUBJECT TO INSPECTION BY THE CITY OF ROSEBURG PUBLIC WORKS DEPARTMENT AND THE ENGINEER. THE CONTRACTOR SHALL GIVE THE CITY AND THE ENGINEER 48 HOURS NOTICE PRIOR TO BEGINNING CONSTRUCTION AND 24 HOURS NOTICE PRIOR TO TESTING. THE CITY SHALL BE ON SITE TO WITNESS THE INSTALLATION OF JOINT RESTRAINT SYSTEMS.
9. NO OTHER MAJOR UTILITIES SHALL RUN PARALLEL WITHIN THREE (3) FEET OF THE NEW WATER MAIN. WITH EXCEPTION FOR SEWER MAIN.
10. CONTRACTOR SHALL MAINTAIN A MINIMUM HORIZONTAL SEPARATION OF TEN (10) FEET BETWEEN WATER MAINS AND SEWER MAINS MEASURED EDGE TO EDGE, UNLESS OTHERWISE SHOWN DIFFERENT ON THE ENGINEERED DRAWINGS.
11. INSULATED COPPER TONING WIRE APPROVED FOR DIRECT BURY SHALL BE PLACED IN ALL TRENCHES WHERE PIPE HAS BEEN LAID. ALL TONE WIRE SHALL BE TESTED PRIOR TO ACCEPTANCE.
12. RESTRAINED JOINT DUCTILE IRON PIPE AND FITTINGS SHALL BE PROVIDED AS IDENTIFIED ON THE ENGINEERED CONSTRUCTION DRAWINGS. ALL FITTINGS SHALL BE RESTRAINED TO THE SPECIFIED RESTRAINT DISTANCES AS REQUIRED FOR APPLICATION AND AS SHOWN ON THE ENGINEERED CONSTRUCTION DRAWINGS. OTHERWISE, MECHANICAL RESTRAINTS (i.e. MEGA-LUGS OR APPROVED EQUAL) SHALL BE REQUIRED AT ALL FITTINGS IN ADDITION TO THRUST BLOCKS. WHEN SPECIAL CIRCUMSTANCE DICTATES, THE CITY MAY REQUIRE 100% JOINT RESTRAINT ON ALL FITTINGS.
13. SERVICE WORK SHALL BE PROVIDED BY THE CONTRACTORS. CONTRACTORS/CREWS WILL PROVIDE SERVICE LINE FROM MAIN AND SET THE METER BOX. FOR STANDARD SERVICE CONNECTION SEE CITY STANDARD DRAWING.
14. THE CITY OF ROSEBURG SHALL BE THE SOLE OPERATOR OF ALL WATERLINE VALVES ON THE EXISTING WATER SYSTEM. AT NO TIME SHALL THE CONTRACTOR OPERATE EXISTING VALVES TO SHUT OFF OR PRESSURIZE THE PIPELINE.
15. MARKING TAPE SHALL CONSIST OF INERT POLYETHYLENE PLASTIC THAT IS IMPERVIOUS TO ALL KNOWN ALKALIS, ACIDS, CHEMICAL REAGENTS AND SOLVENTS LIKELY TO BE ENCOUNTERED IN THE SOIL. THE TAPE SHALL BE A MINIMUM OF 6-INCHES IN WIDTH. THE TAPE SHALL BE BLUE AND SHALL BE IMPRINTED CONTINUOUSLY OVER IT'S ENTIRE LENGTH IN PERMANENT BLACK INK WITH THE WORDS "CAUTION BURIED WATER LINE BELOW".
16. MATERIAL SUBMITTALS ARE TO BE PROVIDED TO THE CITY FOR REVIEW AND APPROVAL PRIOR TO ORDERING MATERIALS. MATERIALS DELIVERED ON-SITE ARE TO BE INSPECTED BY THE CITY PRIOR TO INSTALLATION.
17. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR FOR ANY SURVEYING/STAKING NECESSARY BEFORE OR DURING CONSTRUCTION.

GENERAL NOTES:

1. TRENCH BACKFILL SHALL BE CLASS B (3/4"-0" CRUSHED ROCK) WITHIN ALL STREET RIGHT-OF-WAYS AND UNDER ALL PARKING LOTS, AND CLASS "A" (SUITABLE EXCAVATED MATERIAL) ELSEWHERE, UNLESS SHOWN DIFFERENT ON TRENCH DETAIL OR IN SPECIFICATIONS. ALL TRENCHES WILL BE COMPACTED WITH HAND-OPERATED PNEUMATIC COMPACTORS.
2. THE CONTRACTOR SHALL REPLACE ANY AND ALL SURVEY MONUMENTS WHICH ARE AFFECTED BY THE CONSTRUCTION. ALL MONUMENTS WILL BE RESET BY A LICENSED LAND SURVEYOR AT CONTRACTORS EXPENSE.
3. LOCATIONS SHOWN ON ENGINEERING DRAWINGS ARE APPROXIMATE. LOCATIONS STAKED IN THE FIELDS BY THE CONTRACTOR SHALL BE REVIEWED BY THE CITY PRIOR TO CONSTRUCTION.
4. THE CONTRACTOR SHALL NOTIFY ALL AFFECTED UTILITY COMPANIES FOR LOCATIONS OF MAINLINE AND SERVICE LINE PRIOR TO DIGGING.
CONTRACTOR TO CONTACT ONE-CALL AT LEAST 48 HOURS PRIOR TO CONSTRUCTION AT 1-800-332-2344
ATTENTION:
OREGON LAW REQUIRES YOU TO FOLLOW RULES ADOPTED BY THE OREGON UTILITY NOTIFICATION CENTER. THOSE RULES ARE SET FORTH IN THE OAR 952-001-0010 THROUGH OAR 952-001-0090, AND OREGON LAWS 1995, CHAPTER 691, SECTION 7. YOU MAY OBTAIN COPIES OF THE RULES BY CALLING THE CENTER.
5. CONTRACTOR TO FIELD VERIFY TYPE, LOCATION, AND ELEVATIONS OF EXISTING UNDERGROUND UTILITIES PRIOR TO INSTALLATION OF NEW PIPING.
6. COMPACTION TESTING IS REQUIRED ON ALL MAINLINE TRENCHES, SUBGRADE AND BASE ROCK MATERIALS. TESTING SHALL CONFORM TO SECTION 00405 FOR TRENCHES AND SECTION 00330 FOR SUBGRADE. AGGREGATE BASE MATERIAL SHALL BE PLACED IN CONFORMANCE WITH SECTION 00640 WITH THE EXCEPTION THAT COMPACTION OF EACH LAYER SHALL BE CONTINUED UNTIL A DENSITY OF NOT LESS THAN 95% OF MAXIMUM DENSITY AS DETERMINED BY AASHTO T99. FREQUENCY OF TESTING SHALL BE A MINIMUM OF 3 TESTS PER LIFT, PER 300 FEET OF TRENCH, OR ONE TEST PER LIFT IF LESS THAN 100 FEET IN LENGTH. WHEN QUANTITY EXCEEDS 2,000 TONS PER LIFT, THEN ADDITIONAL TESTING IS REQUIRED AT THE RATE OF 3 TESTS PER 2,000 TONS. ALL TEST RECORDS SHALL BE SUBMITTED TO THE RESPONSIBLE ENGINEER BY THE FOLLOWING DAY.

GENERAL STREET IMPROVEMENT NOTES:

1. ALL ASPHALT PAVEMENT SHALL MEET LEVEL 3 HMAC STANDARDS PER SECTION 00745-HOT MIXED ASPHALT CONCRETE (HMAC) AS DEFINED BY THE OREGON STATE HIGHWAY DEPARTMENT.
2. CONTRACTOR TO ADJUST ALL MANHOLES, VALVE BOXES, AND OTHER INCIDENTAL STRUCTURES TO FINAL GRADE.

LEGEND

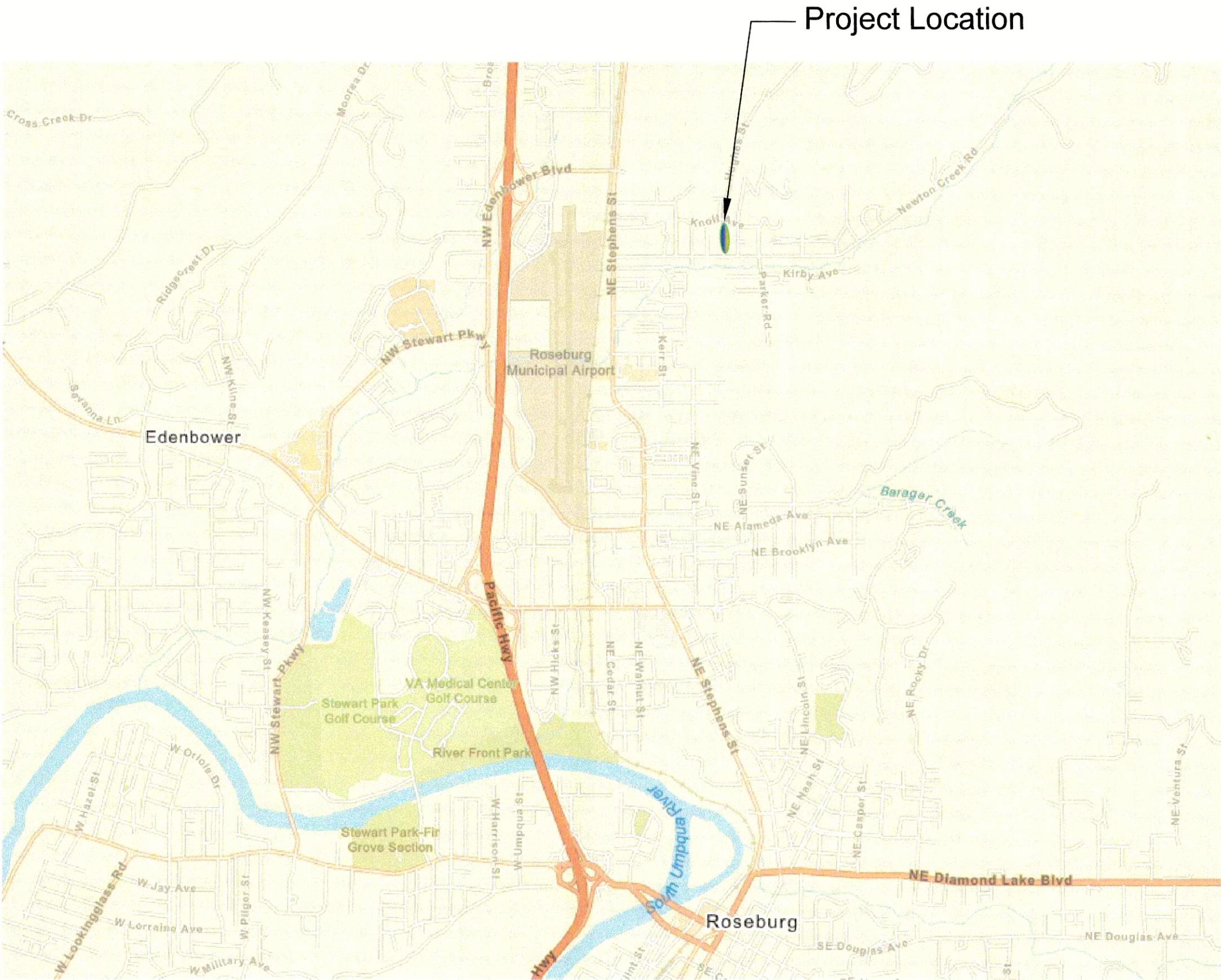
	EXISTING CATCH BASIN (CB)
	EXISTING WATER VALVE
	EXISTING SANITARY MANHOLE (MH)
	EXISTING STORM MANHOLE
	EXISTING WATER LINE
	EXISTING STORM
	PROPERTY LINE
	EXISTING SEWER LINE

SHEET INDEX

SHEET #1	COVER SHEET
SHEET #2	PLAN VIEW AND TIE-IN DETAILS
SHEET #3	STANDARD DETAILS

VICINITY MAP

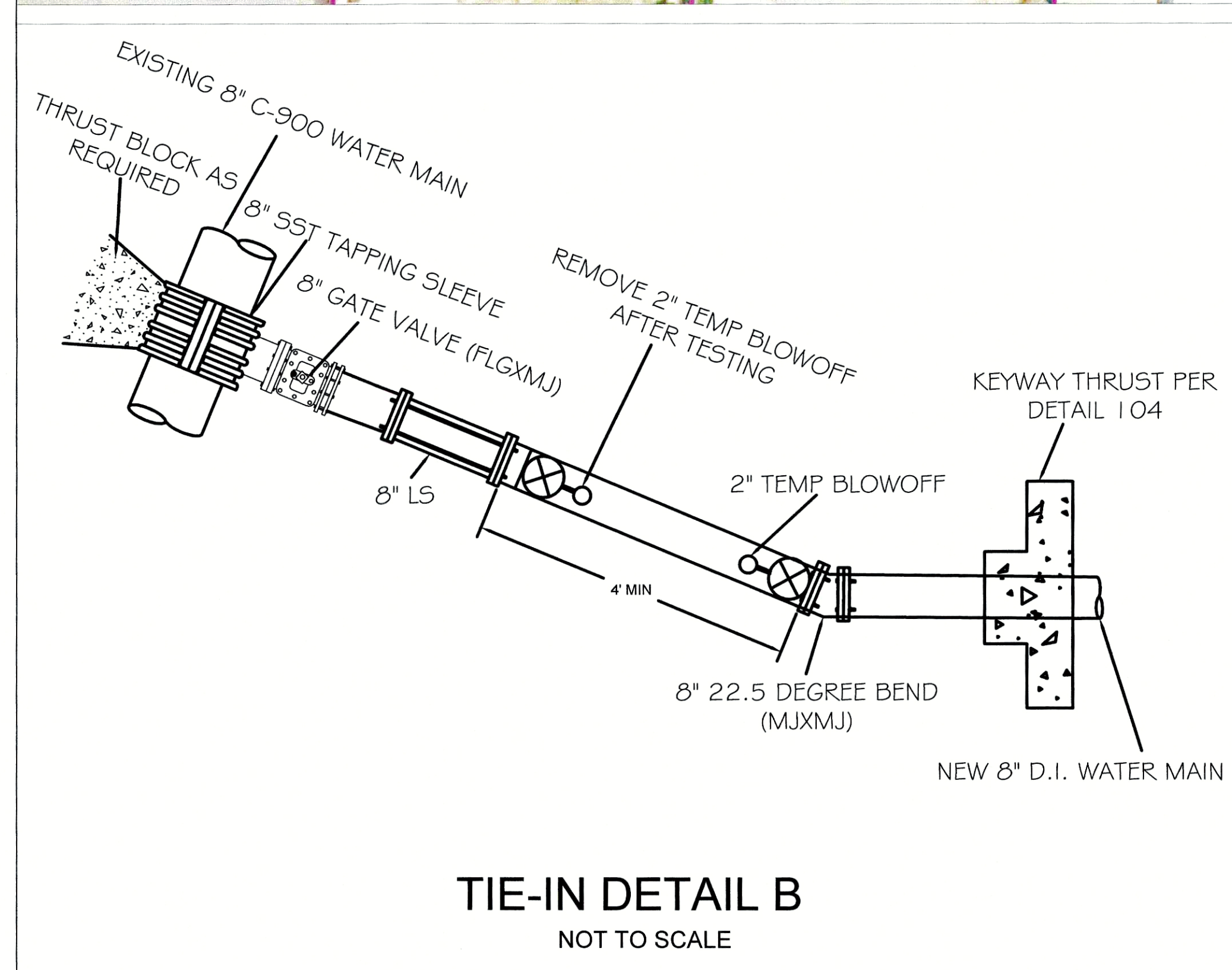
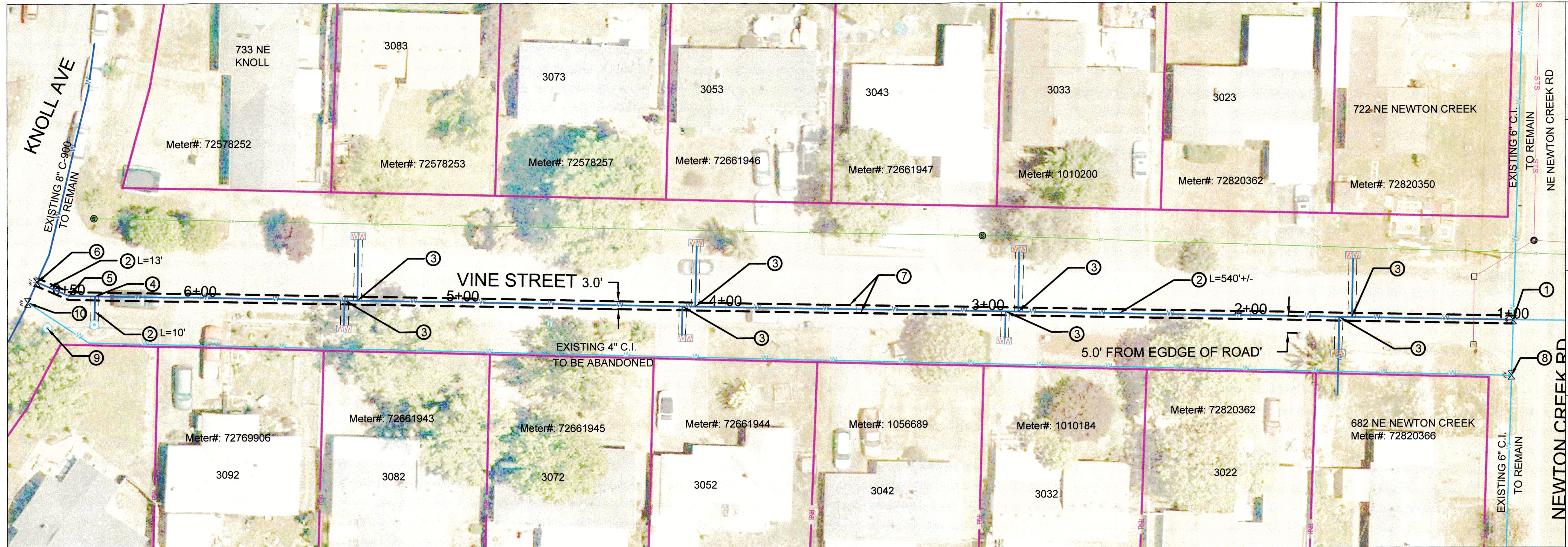
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ONE CALL NUMBER FOR
UTILITY LOCATIONS, 1-800-332-2344
CALL 48 HRS. BEFORE YOU DIG



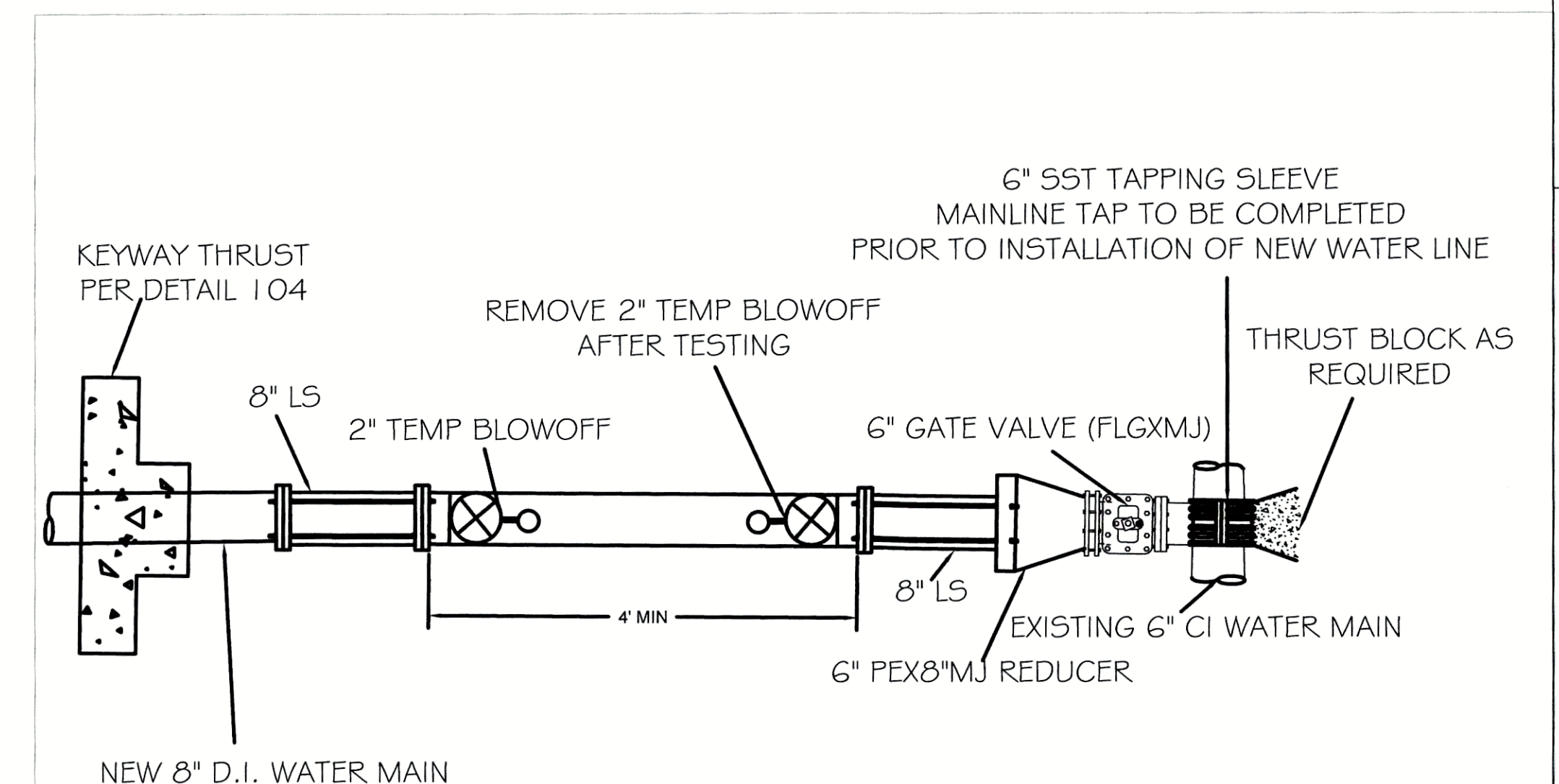
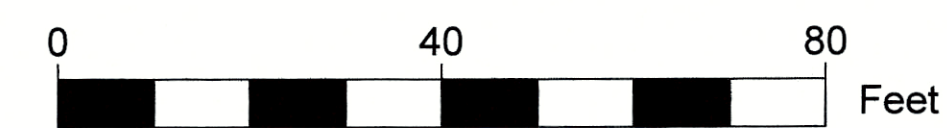
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	REVISIONS		DRAWN: GZV
	2/13/2023		SCALE: N/A
	1.		2.
PROJECT: Vine Street Water Main Replacement		3.	
PROJECT #23WA04		4.	
CITY OF ROSEBURG Public Works Department Dawn Easley- DIRECTOR Water Department			
CITY OF ROSEBURG NATURE CAPITAL OF THE PACIFIC			



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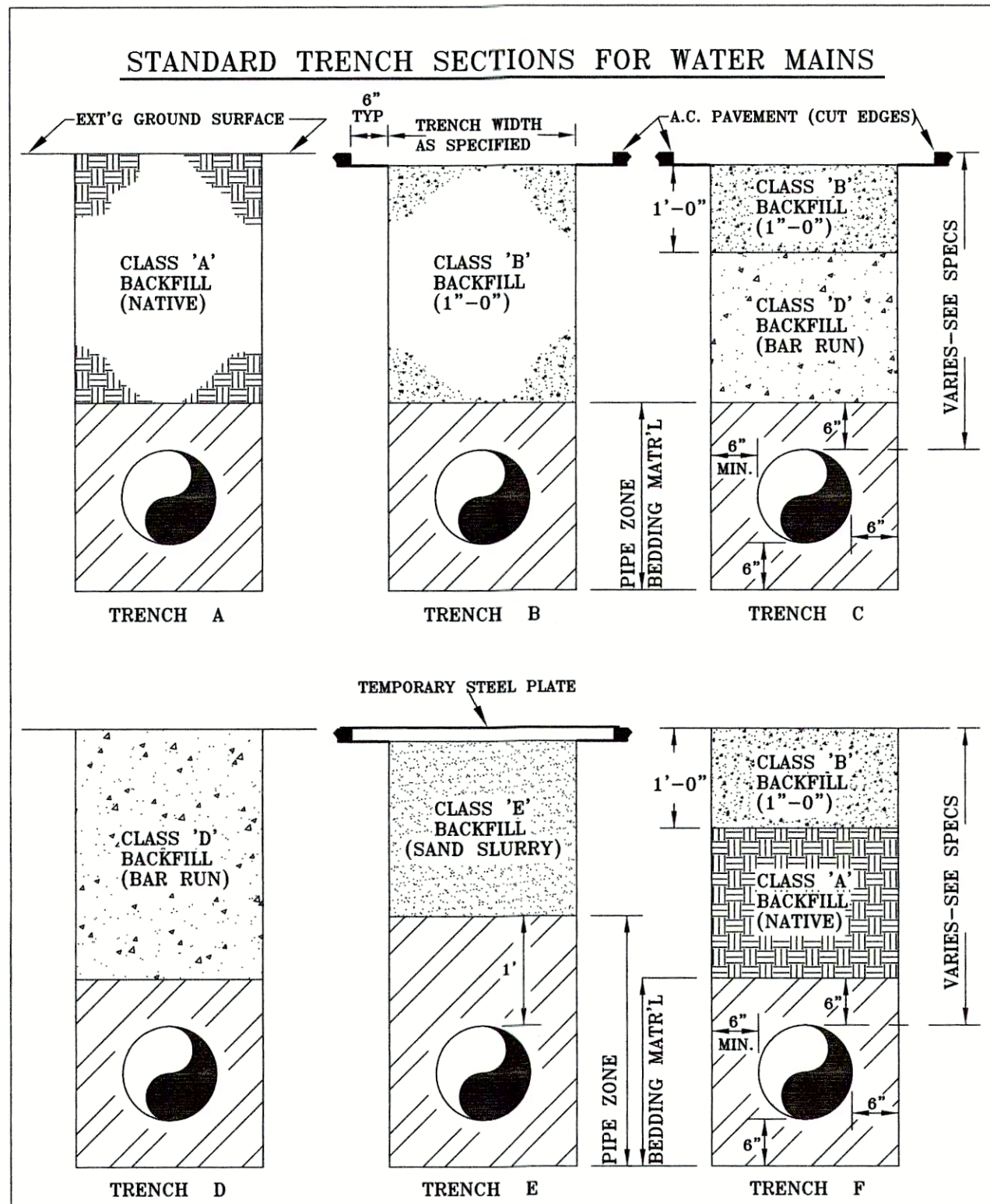
KEY WATER NOTES:

- ① STA: 1+00
INSTALL 6" SST TAPPING SLEEVE W/6" GV & THRUST BLOCK W/6" PEX8" MJ REDUCER; SEE "TIE-IN DETAIL A"
- ② INSTALL 8" D.I.
L= AS SHOWN
- ③ INSTALL 5/8"x3/4" DUAL SERVICE ASSEMBLY
CONNECT TO EXISTING PRIVATE SIDE SERVICE
- ④ STA: 6+40
INSTALL FIRE HYDRANT ASSEMBLY. PER STD.
DWG. NO. 105
- ⑤ INTALL 8" 22.5 DEGREE BEND (MJ)
- ⑥ INSTALL 8" SST TAPPING SLEEVE W/8" GV & THRUST BLOCK SEE "TIE-IN DETAIL B"
- ⑦ SAW CUT AS REQUIRED FOR T-CUT TRENCH PATCH.
PER STD. DWG. NO. 101
- ⑧ ABANDON EXISTING 4" C.I. WATER MAIN
REMOVE EXISTING 4" GV; CAP/PLUG TEE
- ⑨ REMOVE EXISTING FIRE HYDRANT
- ⑩ ABANDON EXISTING 6" C.I.
REMOVE EXISTING 6" GV; CAP/PLUG TEE

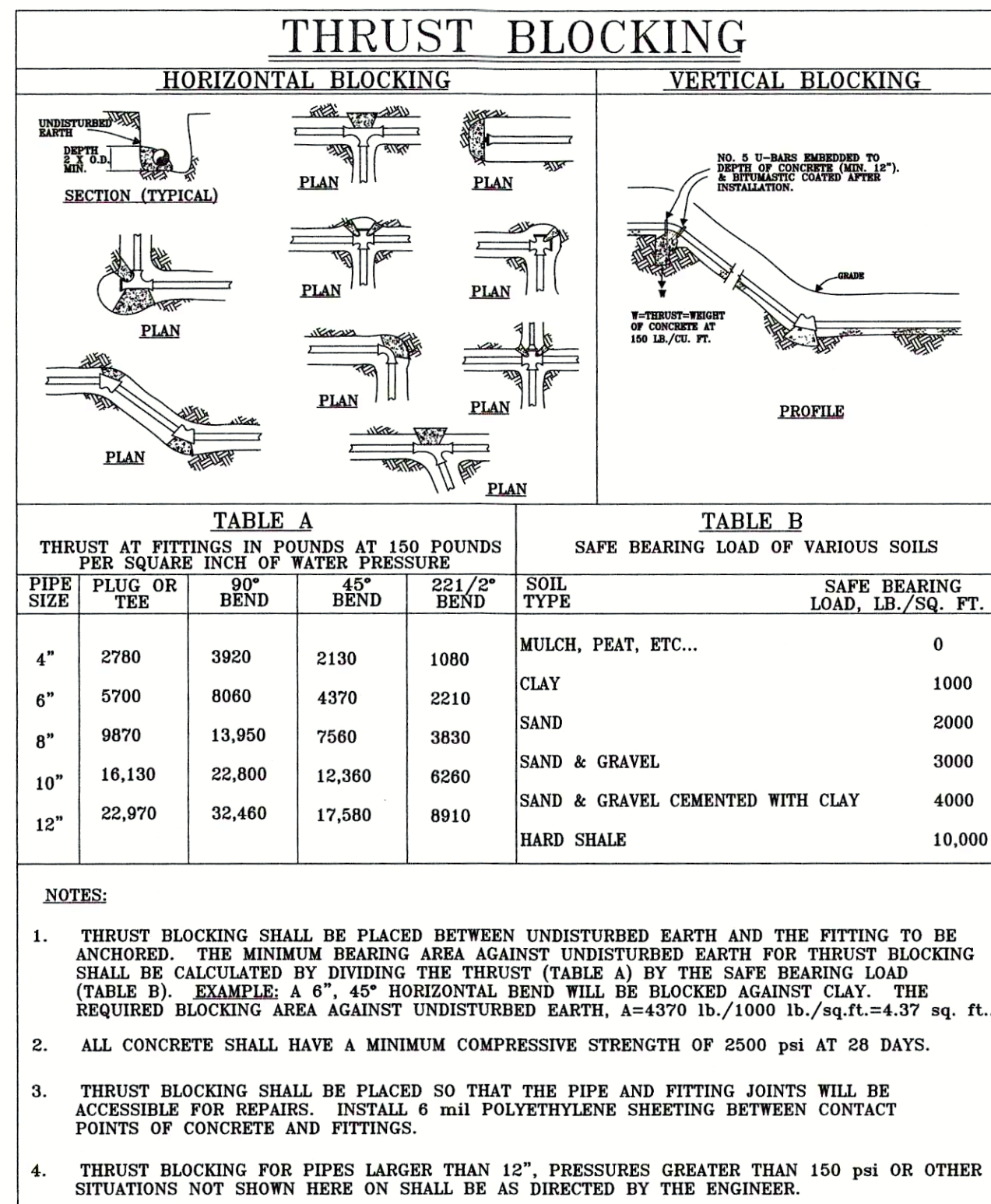


TIE-IN DETAIL A
NOT TO SCALE

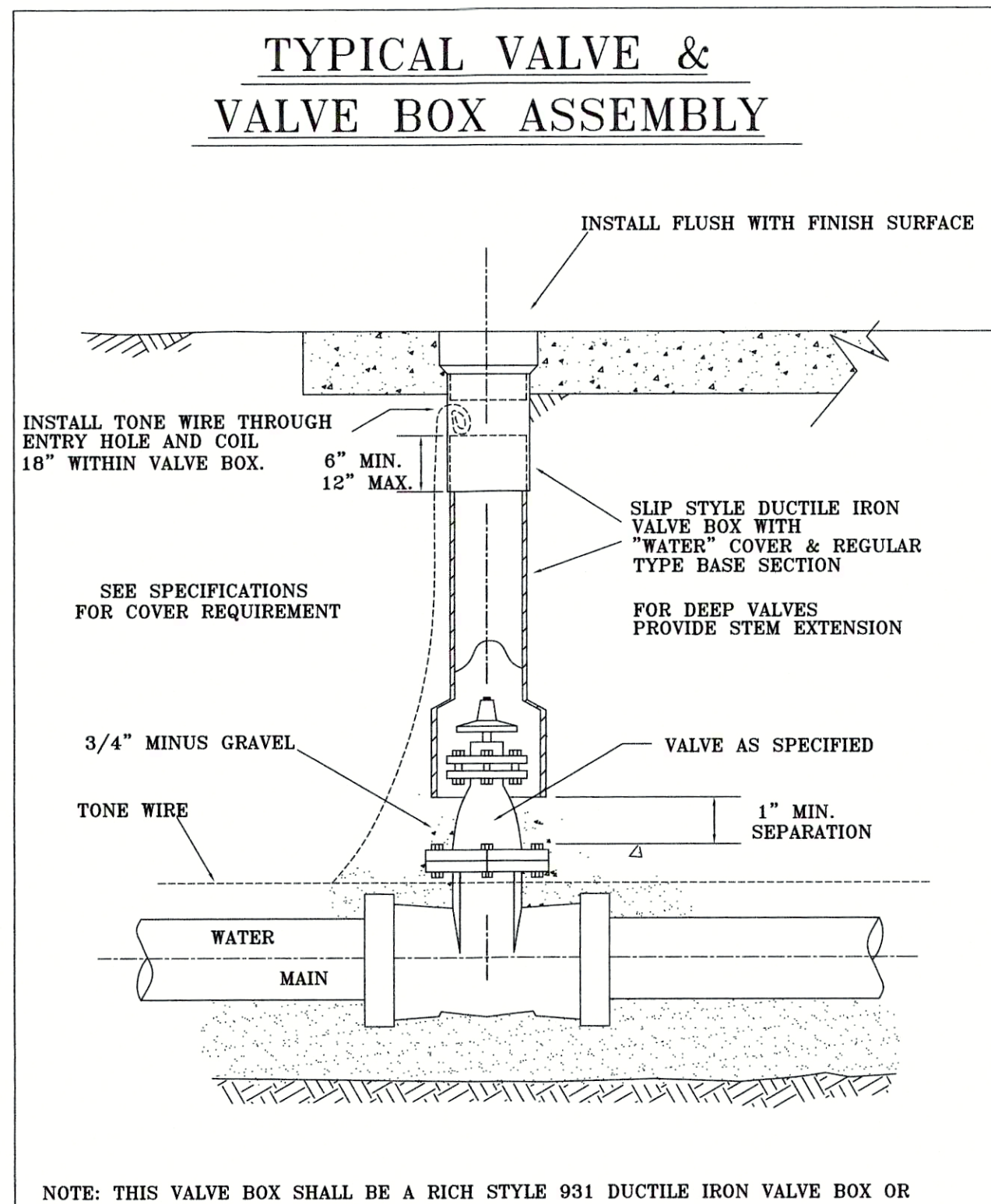
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DRAWN: GZV	REVISIONS: 2/13/2023	
SCALE: 1" = 20'	1.	
SHEET: 2/3	2.	
Vine Street Water Main Replacement		
Project #23WA04		
CITY OF ROSEBURG Public Works Department Dawn Easley- DIRECTOR Water Department		



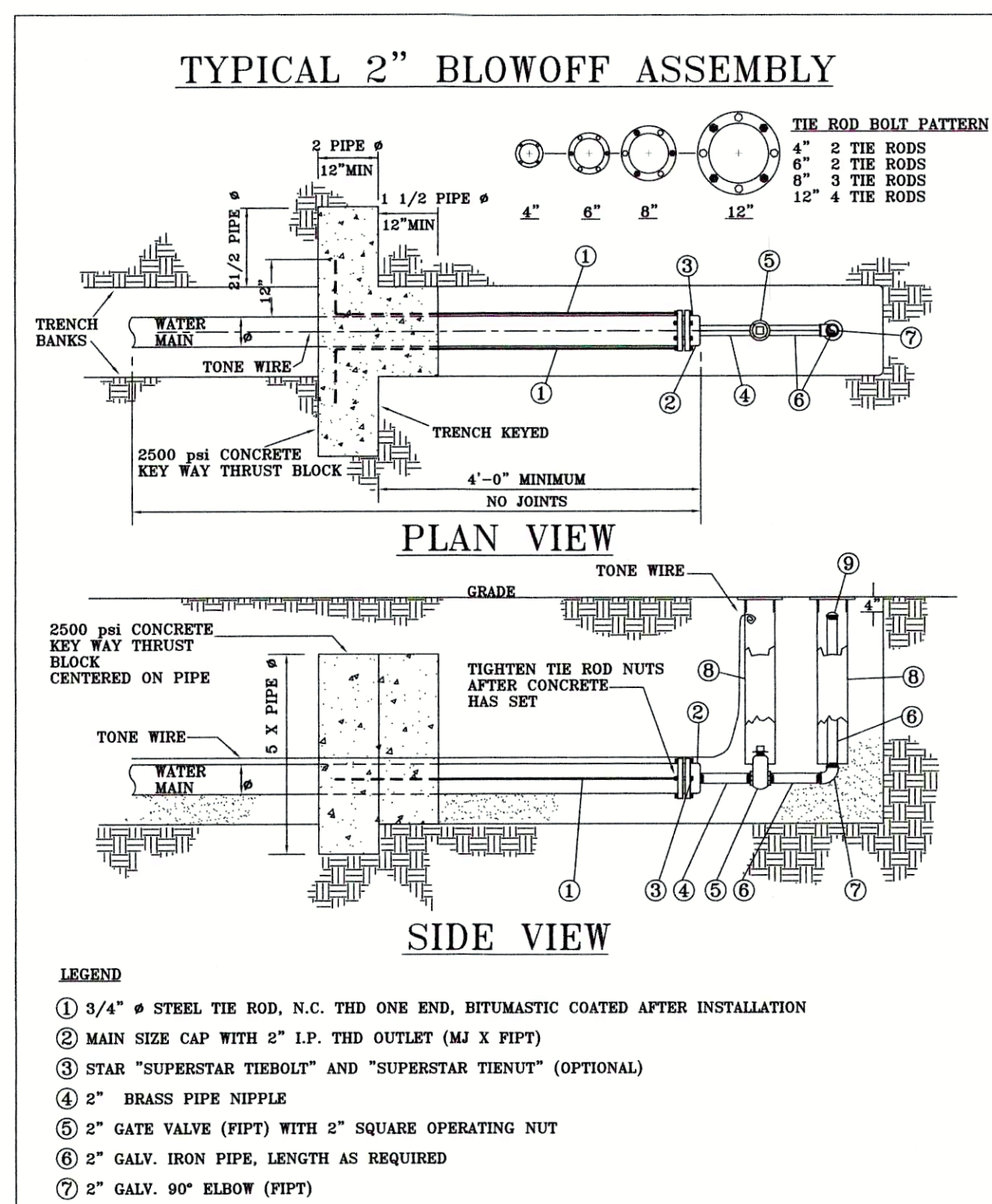
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REV: 1/18/2000



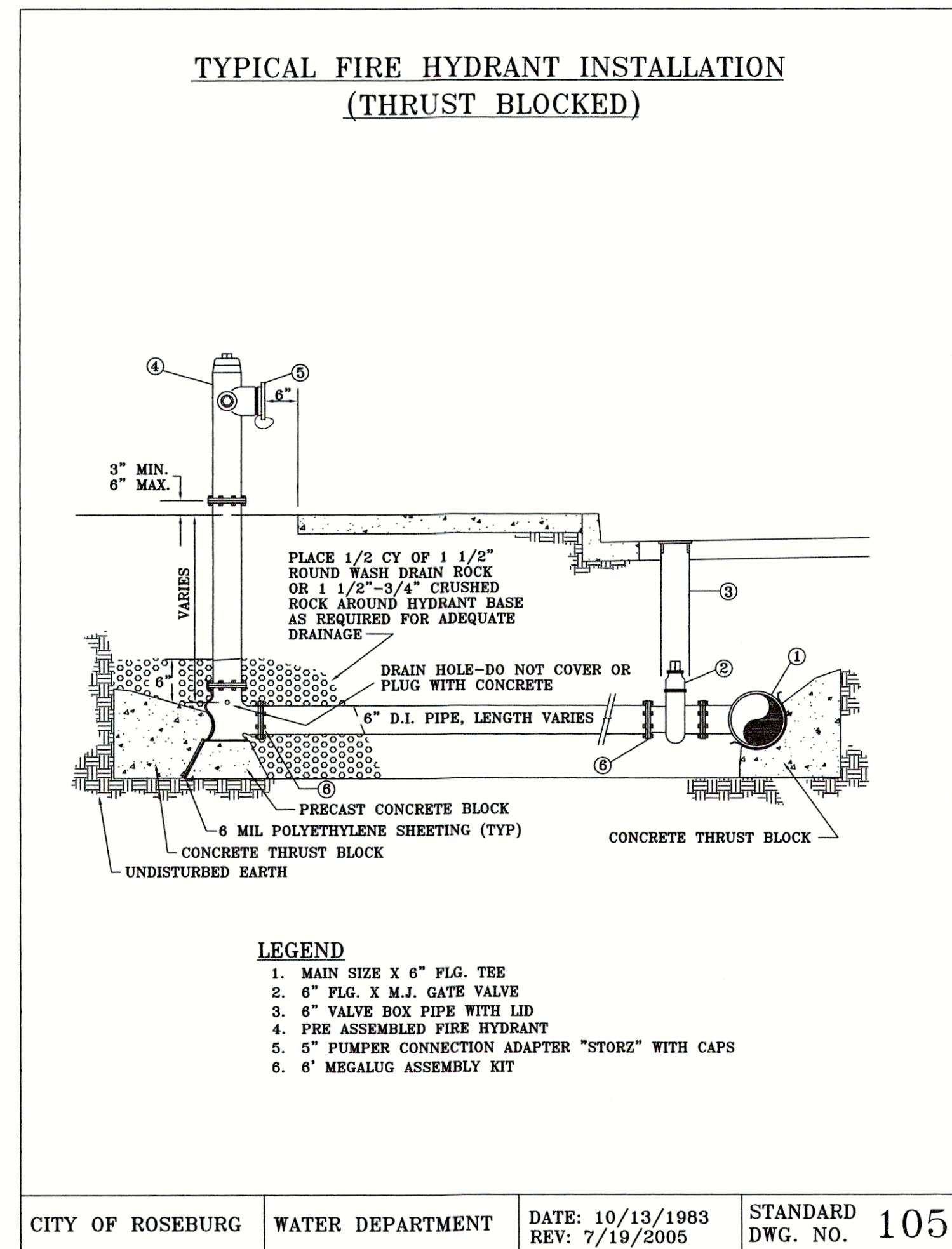
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REV: 5-11-1999



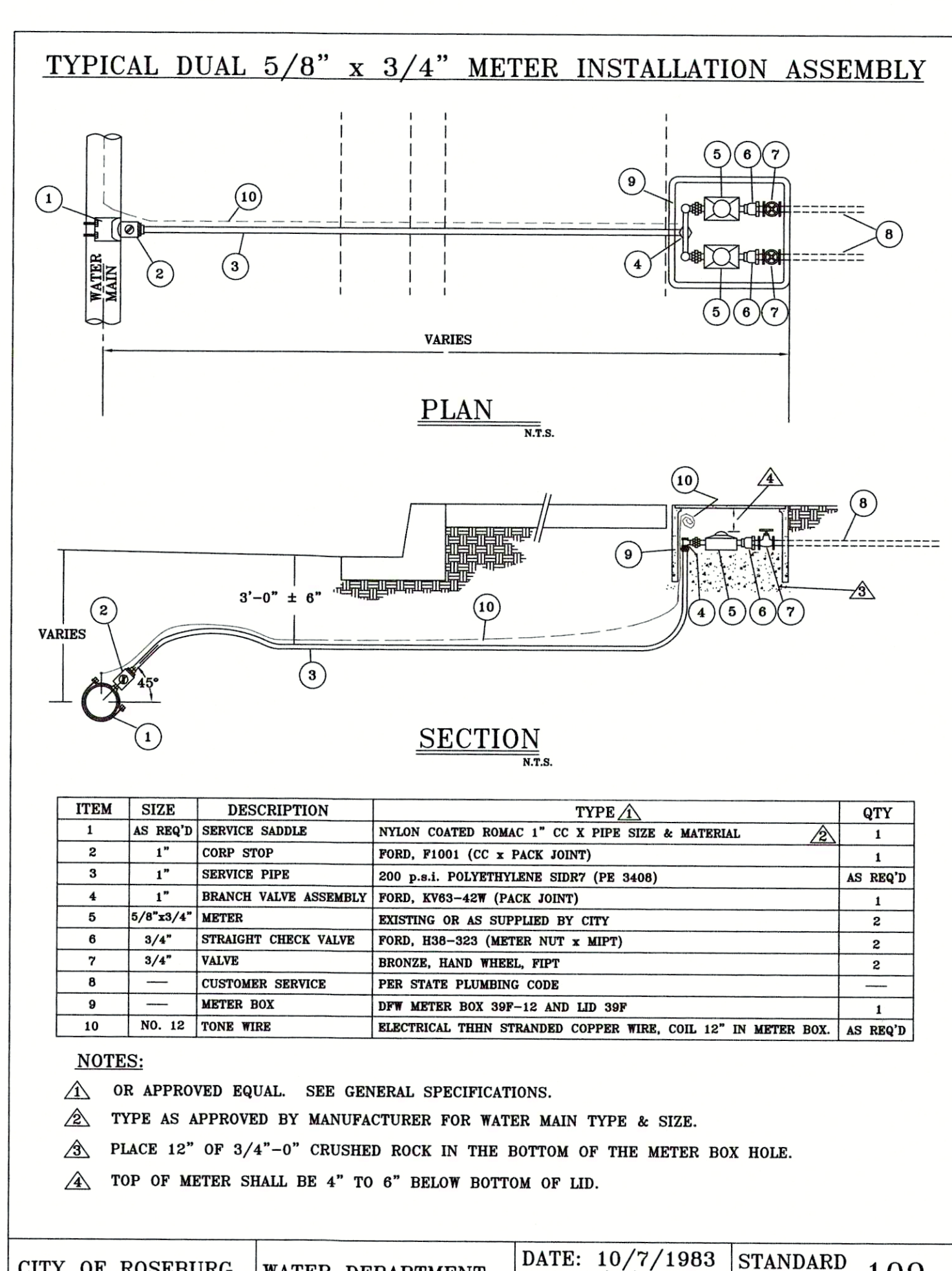
CITY OF ROSEBURG WATER DEPARTMENT DATE: 10/13/1983 STANDARD DWG. NO. 103
REV: 4/3/2001



CITY OF ROSEBURG WATER DEPARTMENT DATE: 10/13/1983 STANDARD DWG. NO. 104
REV: 09-13-2005



CITY OF ROSEBURG WATER DEPARTMENT DATE: 10/13/1983 STANDARD DWG. NO. 105
REV: 7/19/2005

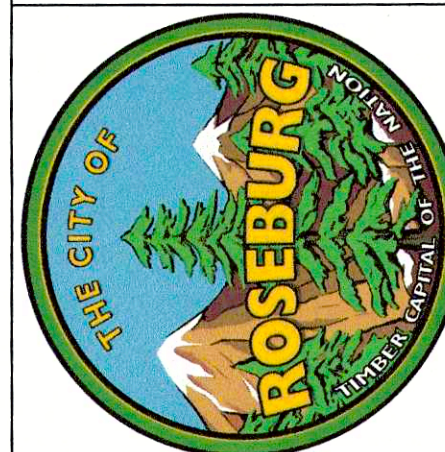


CITY OF ROSEBURG WATER DEPARTMENT DATE: 10/7/1983 STANDARD DWG. NO. 109
REV: 4/6/2001

ONE CALL NUMBER FOR
UTILITY LOCATIONS, 1-800-332-2344
CALL 48 HRS. BEFORE YOU DIG

Vine Street Water
Main Replacement
Project # 23WA04

CITY OF ROSEBURG
Public Works Department
Dawn Easley- DIRECTOR
Water Department



DESIGN: DMA
DRAWN: GZV
SCALE: N/A
SHEET: 3/3
DATE: 8/1/2022
REVISIONS: 2/13/2023
1.
2.
3.
4.

