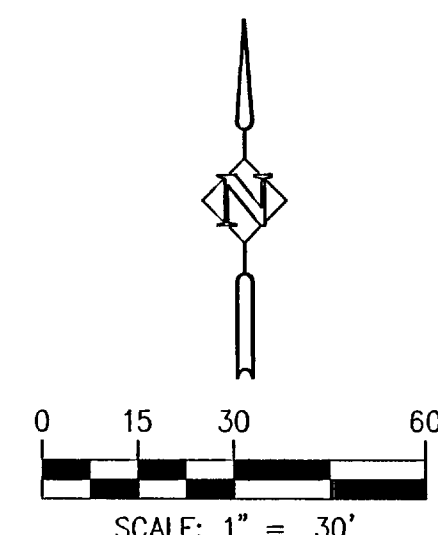


STORM DRAINAGE PLAN EAST
SCALE: 1"=30'

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CITY OF WEST LINN

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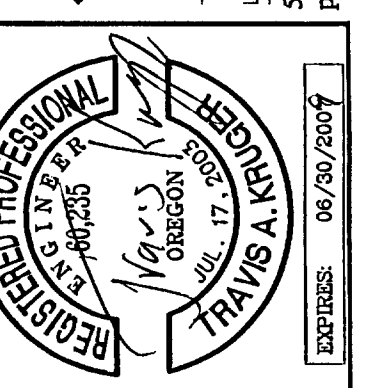
DATE 07/10/2007 BY *Alanna J. Zing*
Dennis G. Weiland



APPROVED PLANS 10/10/2007
NOT AS-BUILT DRAWINGS

PUBLIC WORKS PERMIT PLAN
WILLAMETTE MARKETPLACE
WEST LINN, OREGON

Harper Houf Peterson
Righellis Inc.
ENGINEERS • PLANNERS
LANDSCAPE ARCHITECTS • SURVEYORS
5200 SW Macadam Avenue, Suite 580, Portland, OR 97239
phone: 503.221.1131 www.hhpri.com fax: 503.221.1171

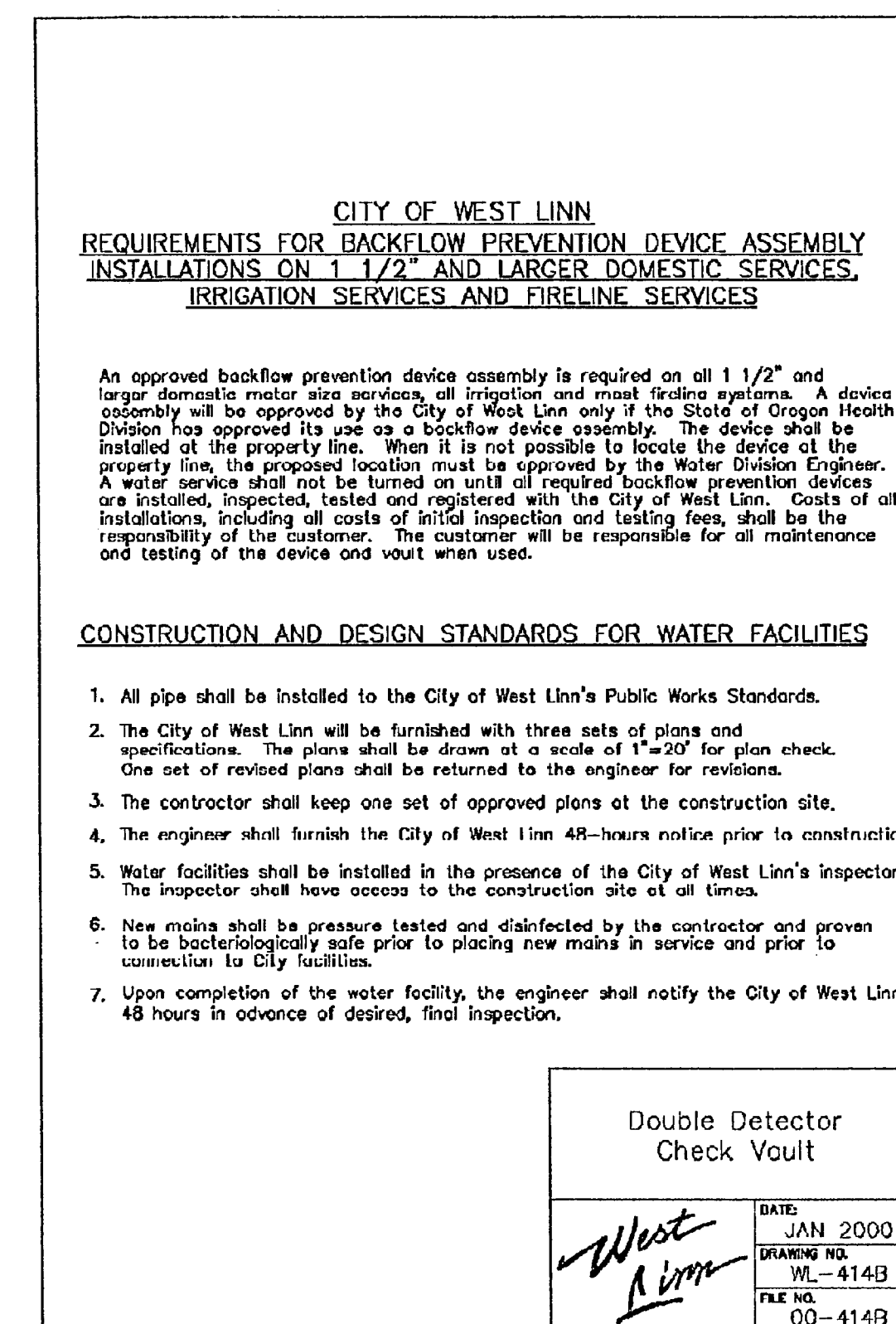
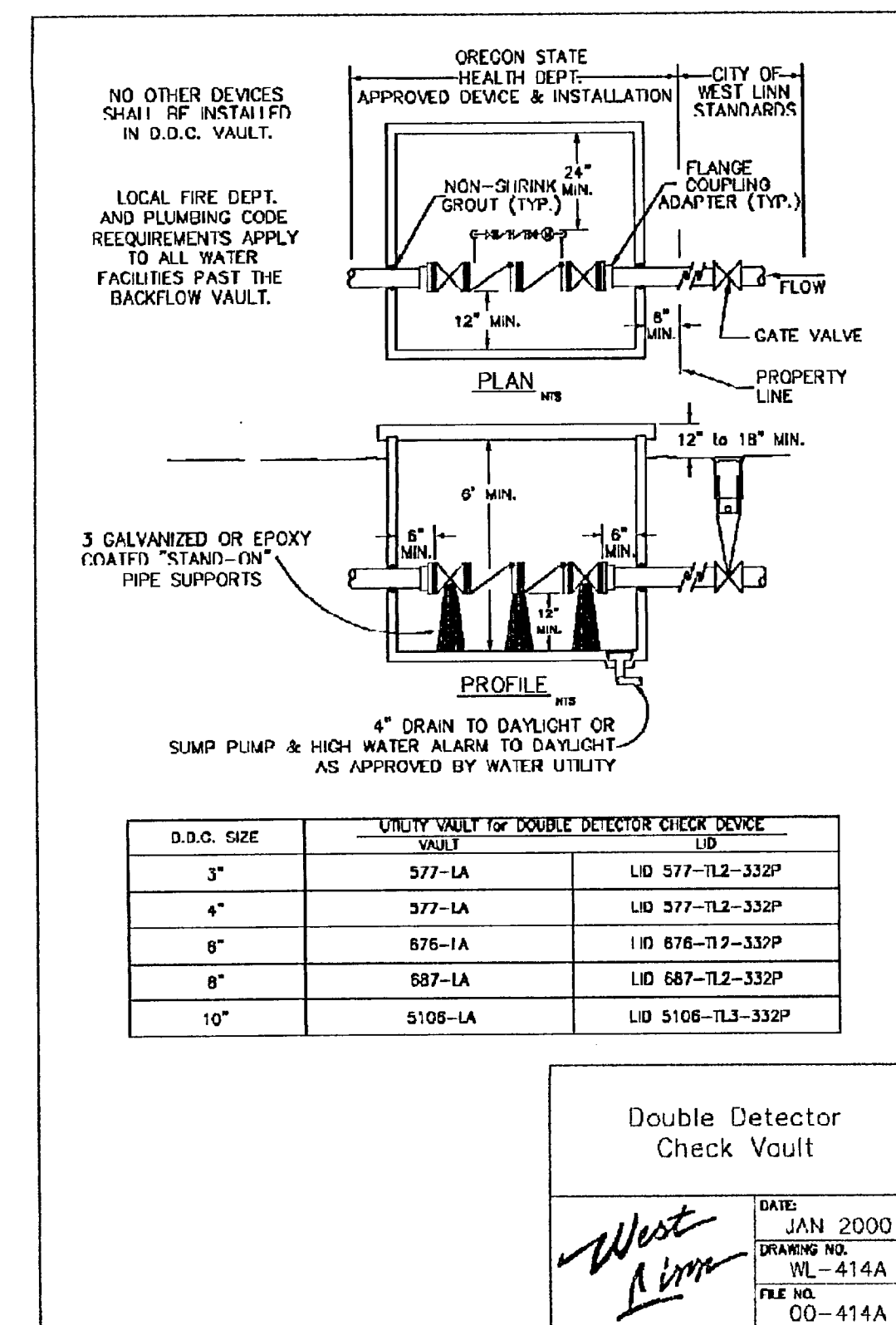
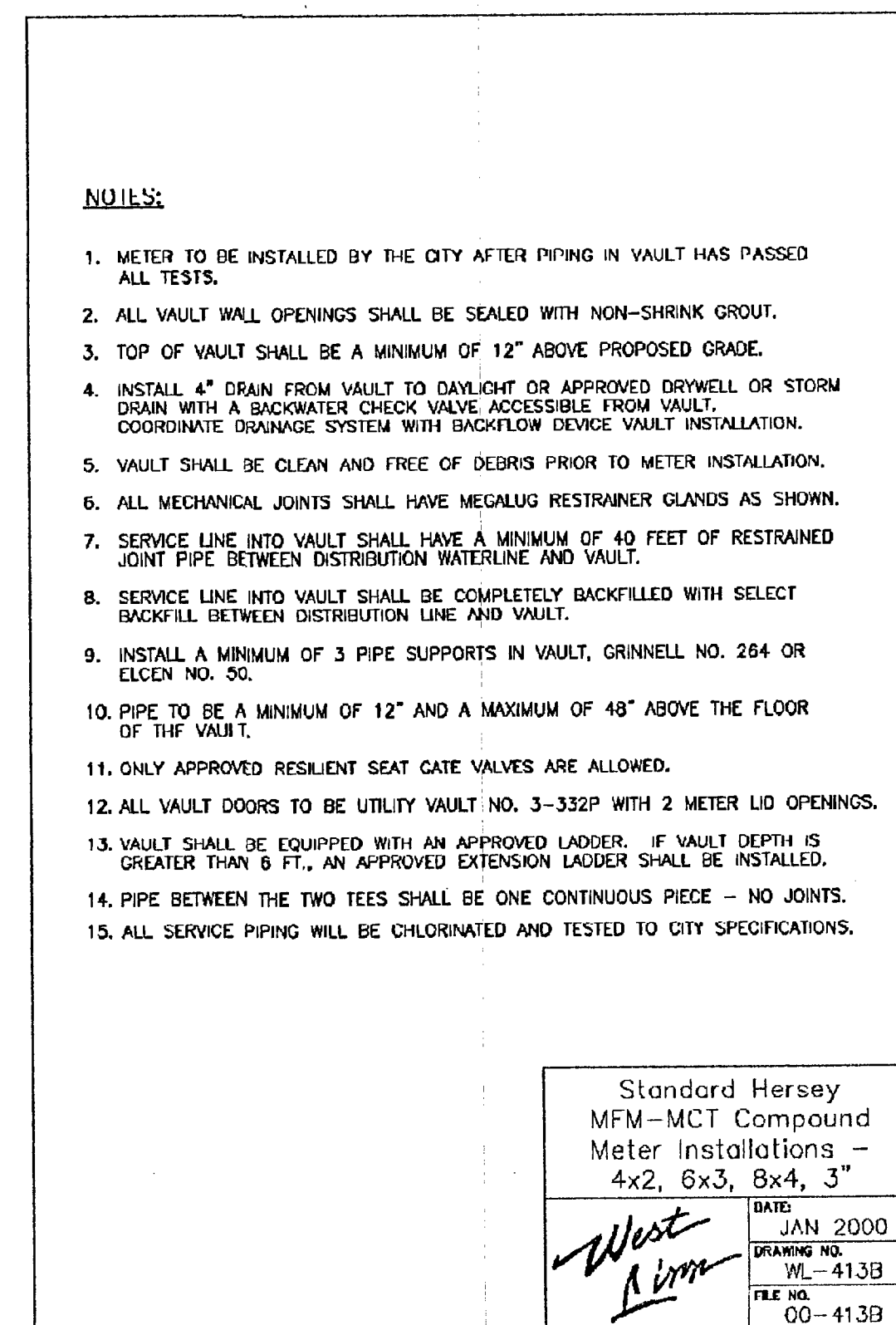
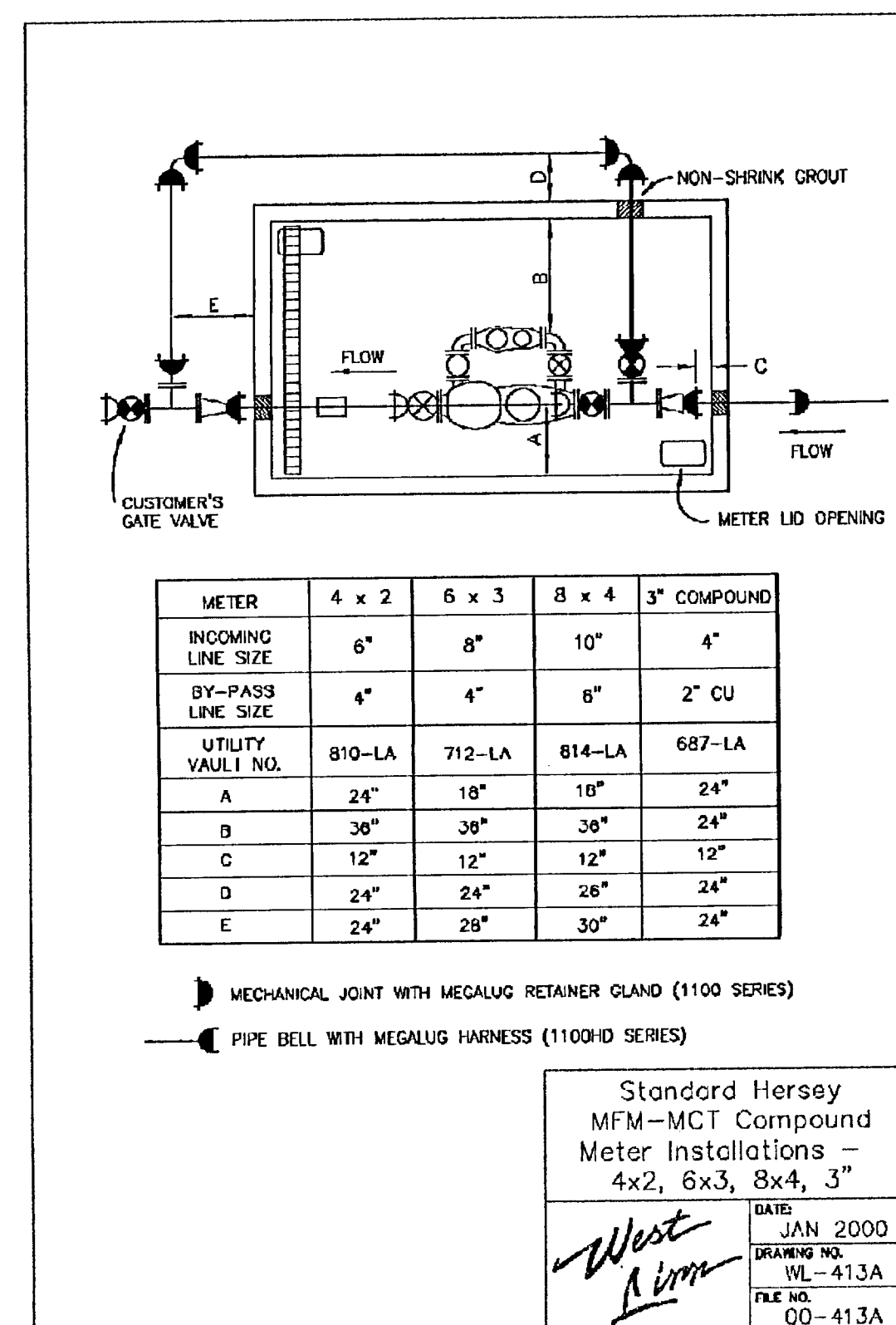
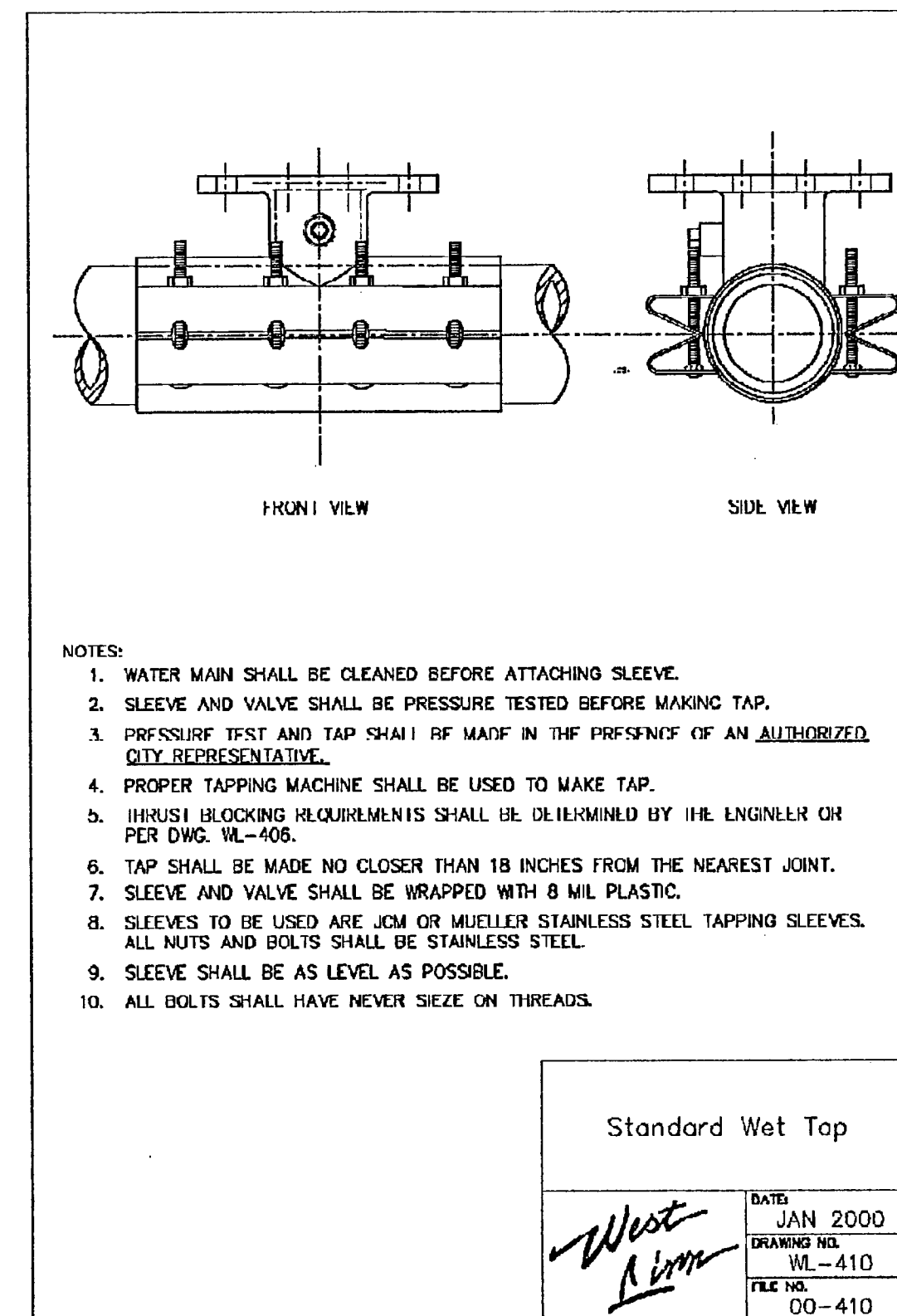
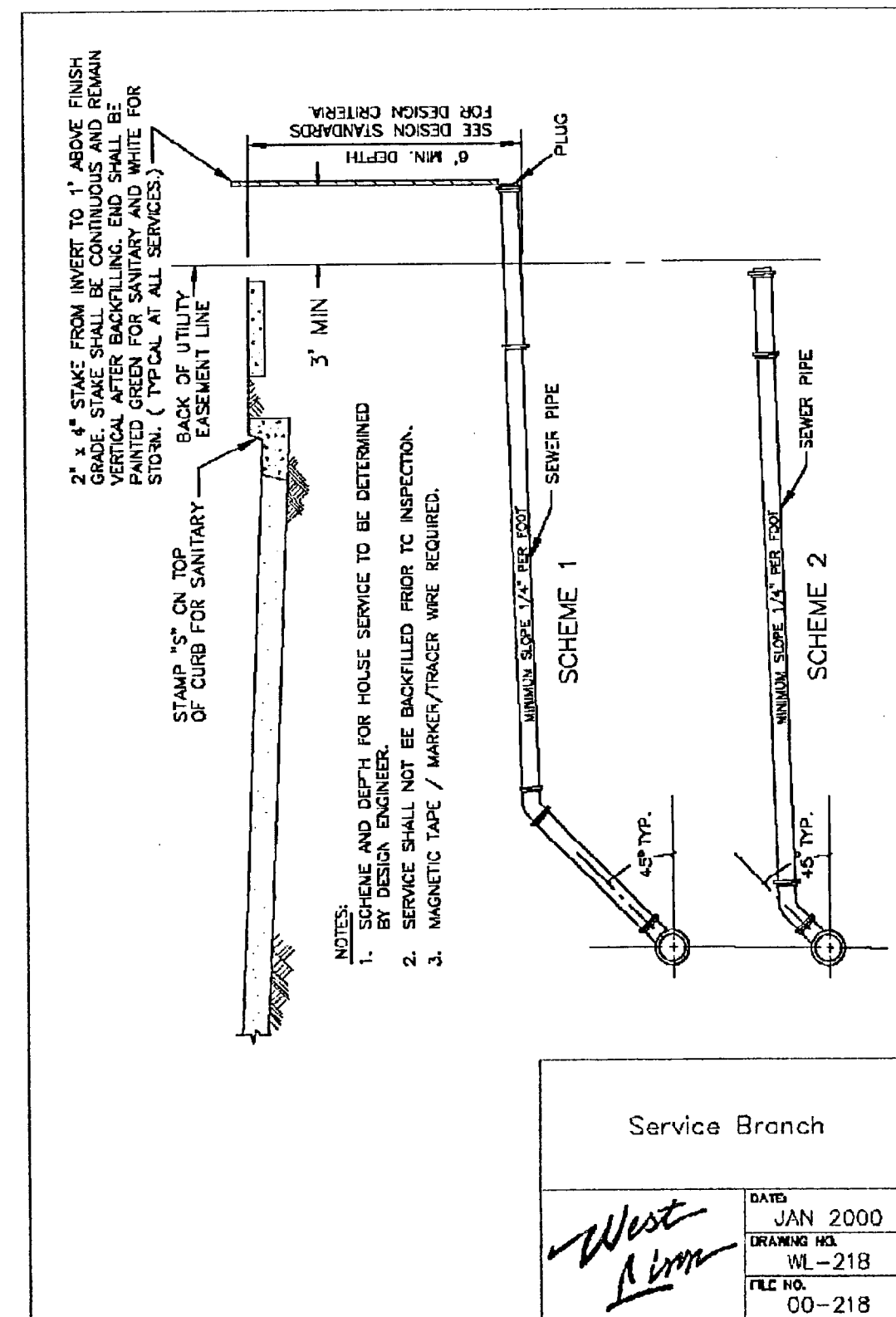
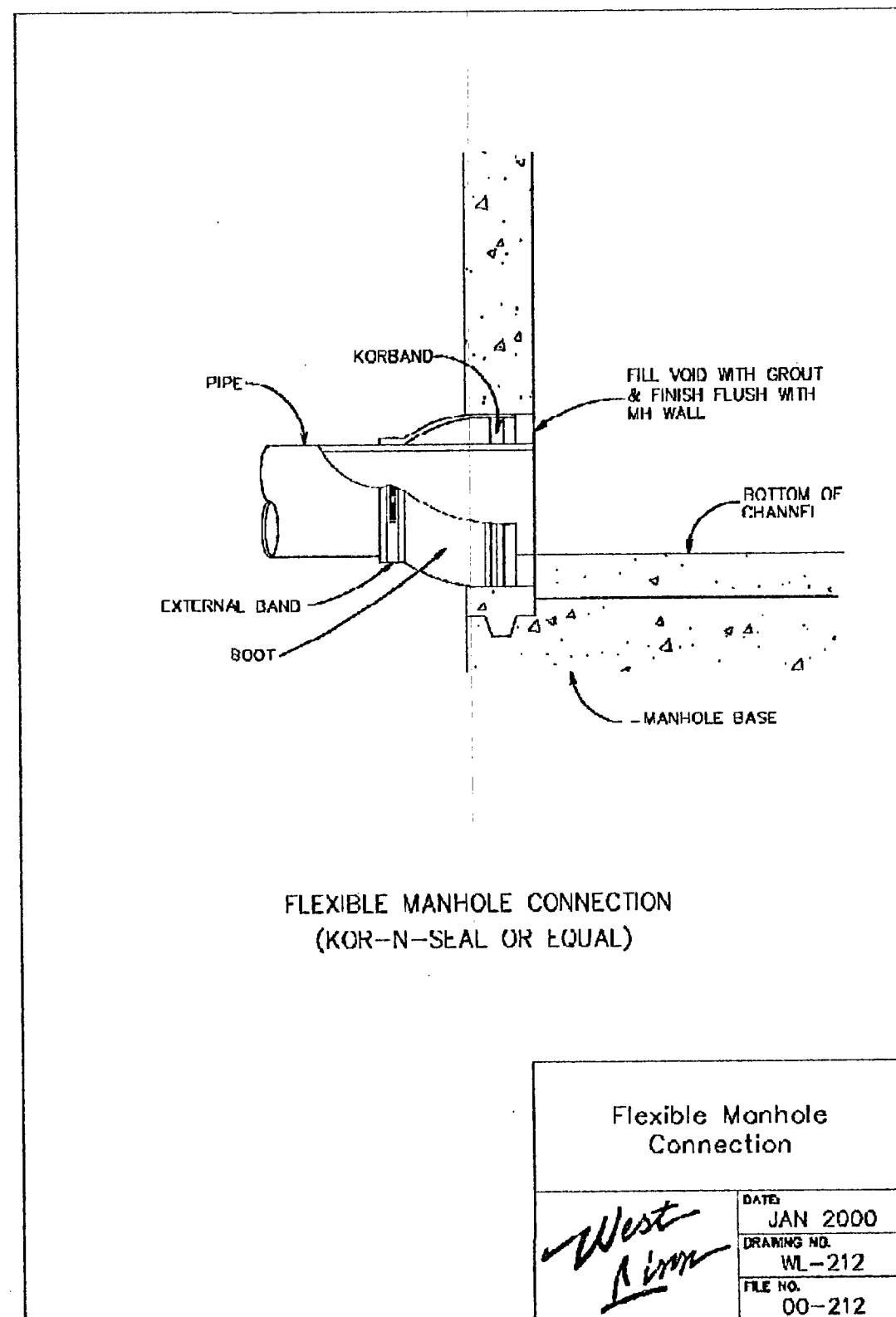
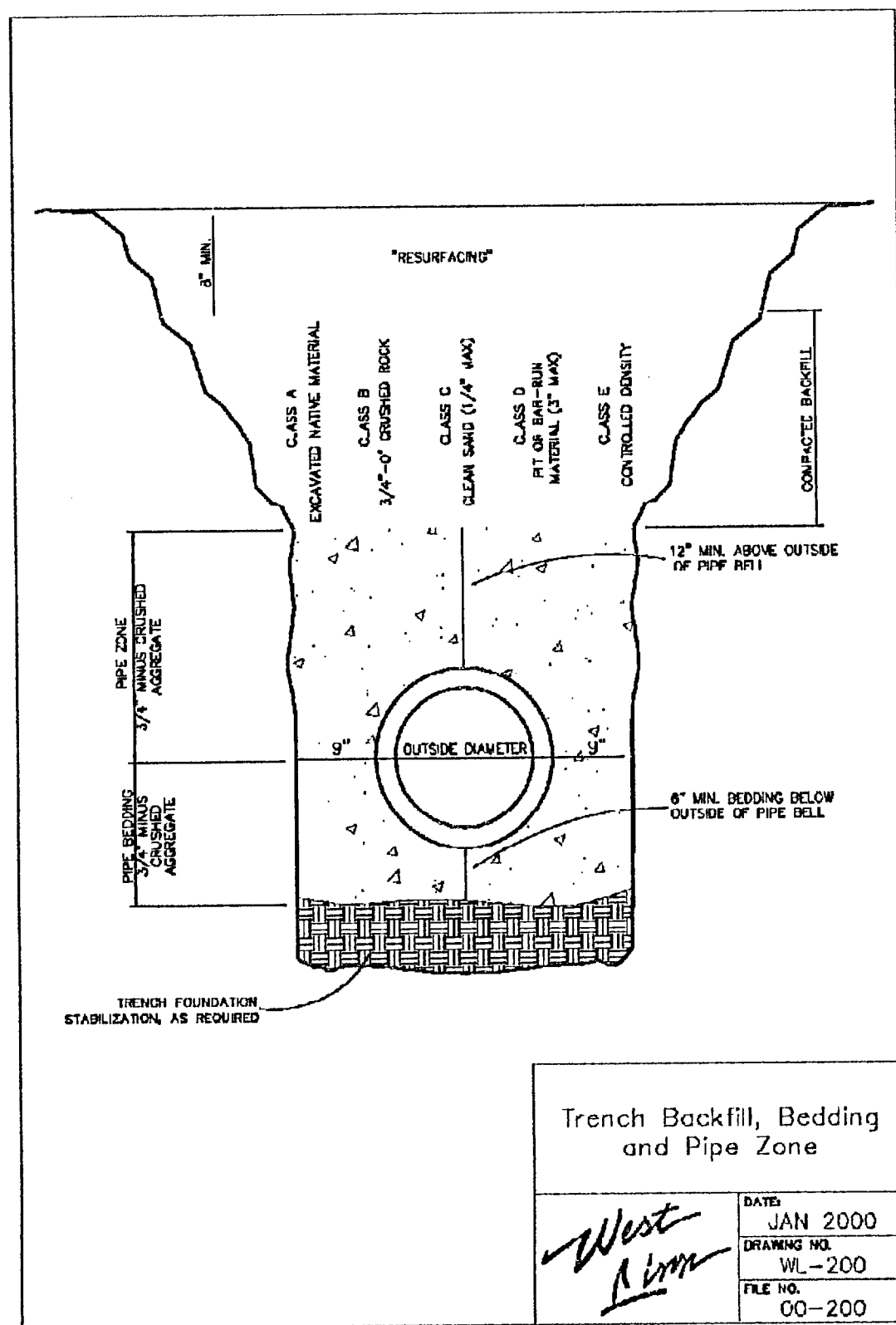


DESIGNED:	TAK	DATE:	JULY, 2007
DRAWN:	SNR	CHECKED:	JLB
NO.	DATE	DESCRIPTION	R E V I S I O N S
1			

SHEET NO. **1**

JOB NO. ANK-88

PUBLIC WORKS PERMIT SET



APPROVED PLANS 10/10/2007
NOT AS-BUILT DRAWINGS

APPROVED FOR CONSTRUCTION BY
CITY OF WEST LINN
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DATE: OCT 10 2007 BY: Dennis P. White

PUBLIC WORKS PERMIT SET

PUBLIC WORKS PERMIT DETAILS
WILLAMETTE MARKETPLACE
WEST LINN, OREGON

Harper Houf Peterson Righellis Inc.
ENGINEERS • PLANNERS
LANDSCAPE ARCHITECTS • SURVEYORS
5200 SW Macadam Avenue, Suite 580, Portland, OR 97239
Phone: 503.221.1131 www.hhrp.com fax: 503.221.1171

DESIGNED: TAK
DRAWN: SMR
CHECKED: JLB
DATE: JULY 2007

REVISIONS

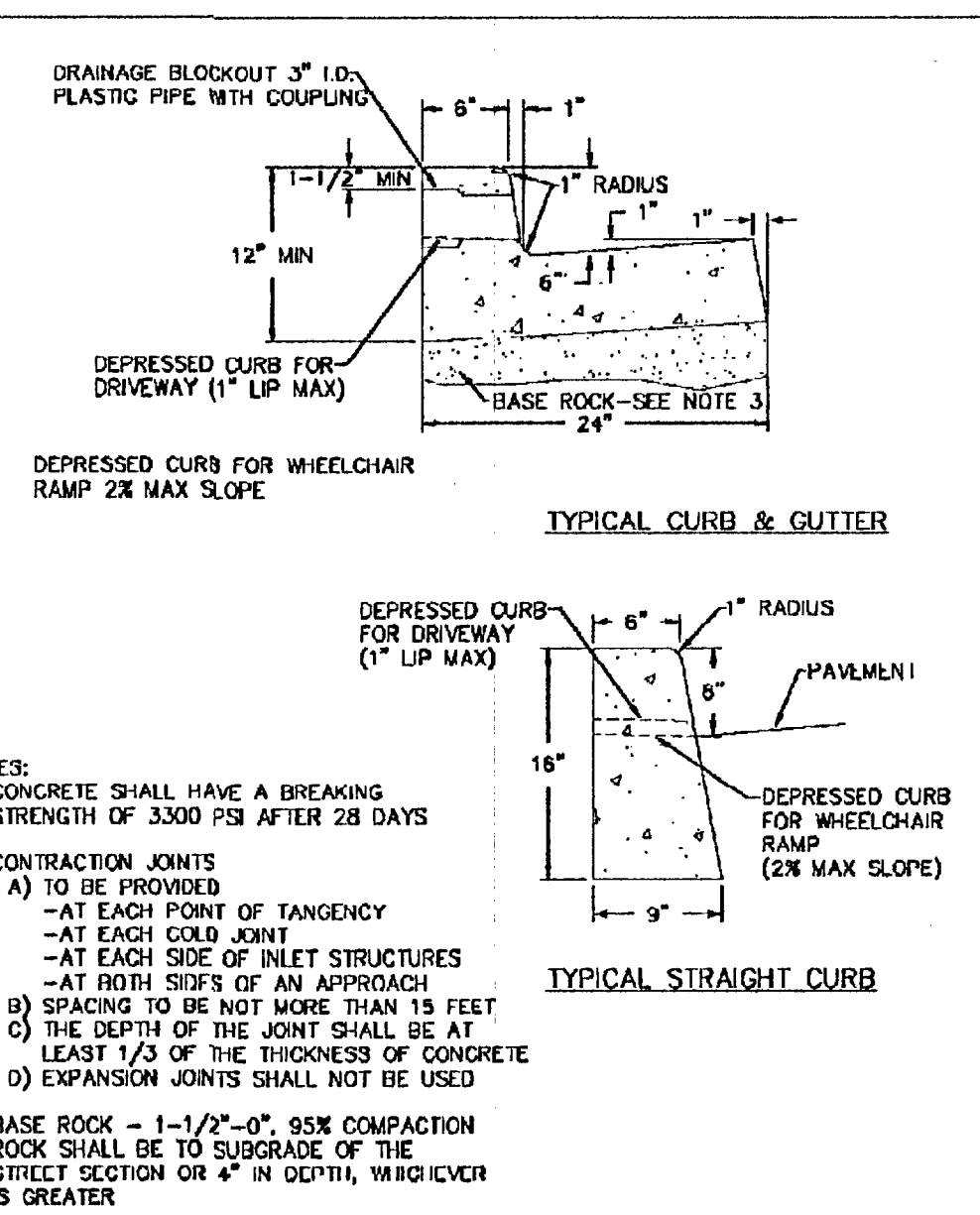
SHEET NO. 2

JOB NO. ANK-88

1. No part of the backflow prevention device shall be submerged in water or installed in a location subject to flooding. If installed in a vault or chamber, the device shall be protected from freezing and other severe weather conditions.
2. The device assembly must be protected from freezing and other severe weather conditions.
3. Only devices approved for vertical installation may be installed vertically.
4. The device assembly shall be readily accessible with adequate room for maintenance and testing. Devices 2 inches and smaller shall have at least a 12-inch clearance below and on both sides of the device assembly, and 12 and 24 inches below grade.
5. Device assemblies larger than 2 inches shall have a 12-inch clearance below the device, a 6 inch clearance on both sides of the device, and below the device assemblies. Adequate clearance (3 inches minimum) must be maintained above O.S. & gate-valve stem. Headroom of 6' 0" is required for vaults. The device assembly shall be installed such that removal of all fittings, an OGVSSA approved chamber ladder that extends 6' 0" above the device, or other personnel access is not required.
6. No indicating valves are allowed on Double Check Device assemblies.
7. Only approved Double Check Detector Check Valve Assemblies are to be used for system confinement on fire line services in the City of West Linn. The meter on bypass assembly shall read in cubic feet.
8. If a Fire Line Flow, or Torque Switch is installed, it must be connected to a meter on bypass. Fire Detection devices are not required in West Linn. No installation will modify the backflow device assembly or interfere with its operation or maintenance.
9. All backflow device shall be installed at the service connection to the premises per Oregon Administrative Rules 333-01-070, Cross Connection Control Requirements, unless specifically approved by the Water Division Engineer. The connection location where the public water facilities and/or near the property line.)
10. All pipe between main and device shall be gasketed. Use Wedge-Lug retainer for 12" and 18" fittings and Flare-Lok restrainers on ball joints. Uni-Flange adaptor may be used in vaults.

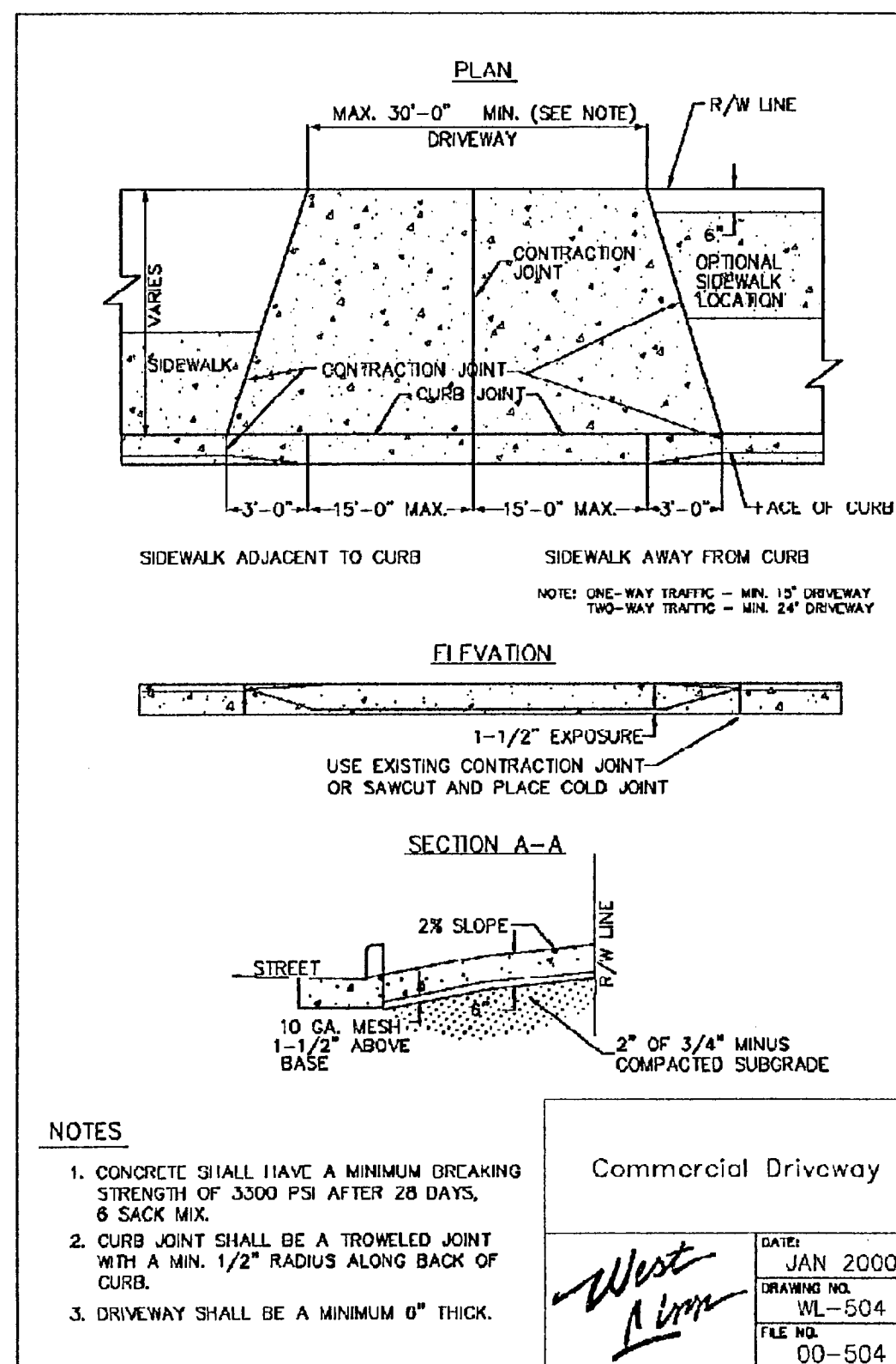
Double Deletor
Check Vault

<i>West Line</i>	DATE:	JAN 2000
	DRAWING NO.	WL-414C
	FILE NO.	00-414C



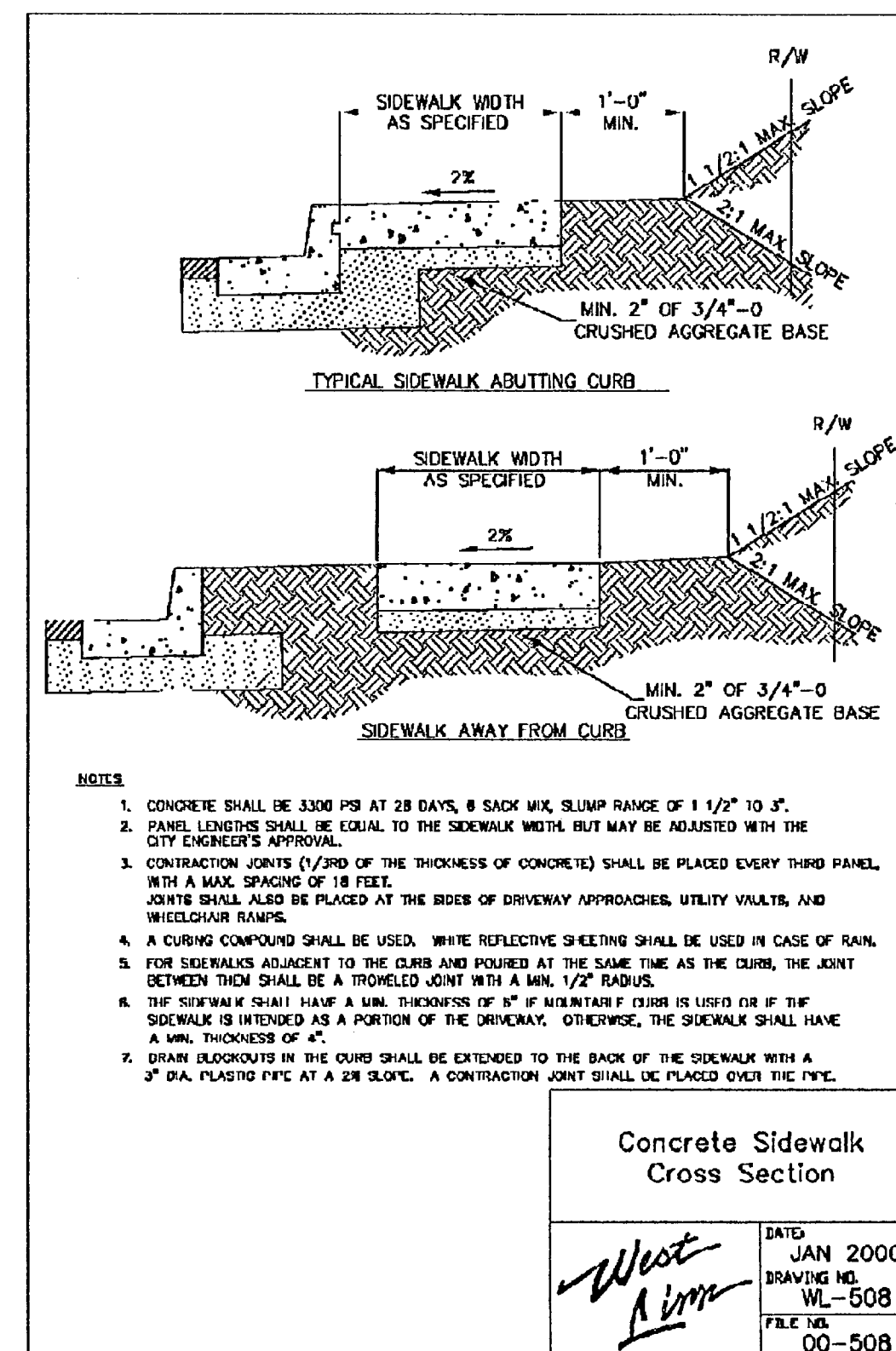
Typical Curbs

<i>West Linn</i>	DATE:	JAN 2000
	DRAWING NO.	WL-501
	FILE NO.	00-501



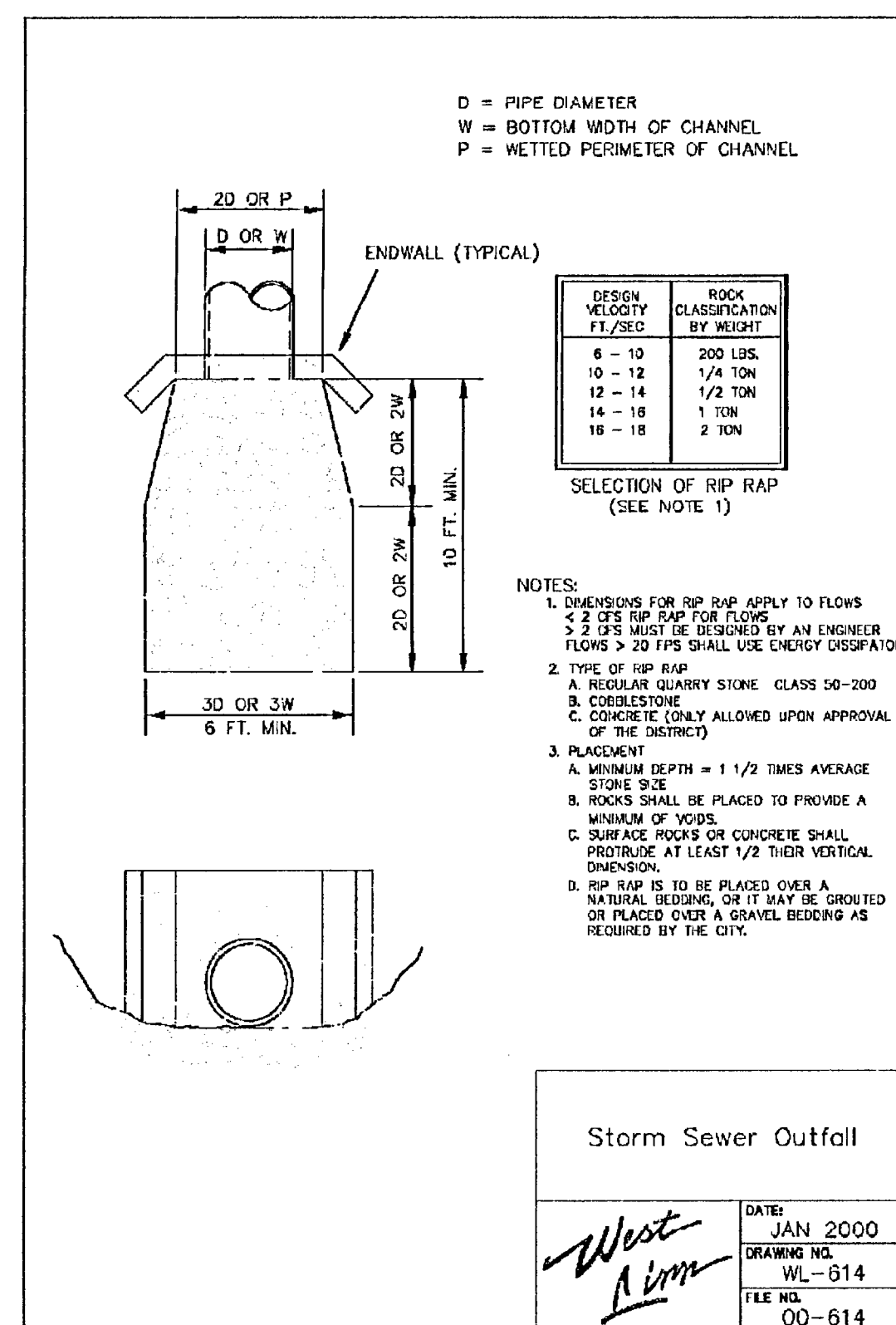
Commercial Driveway

<i>West Linn</i>	DATE:	JAN 2000
	DRAWING NO.	WL-504
	FILE NO.	00-504



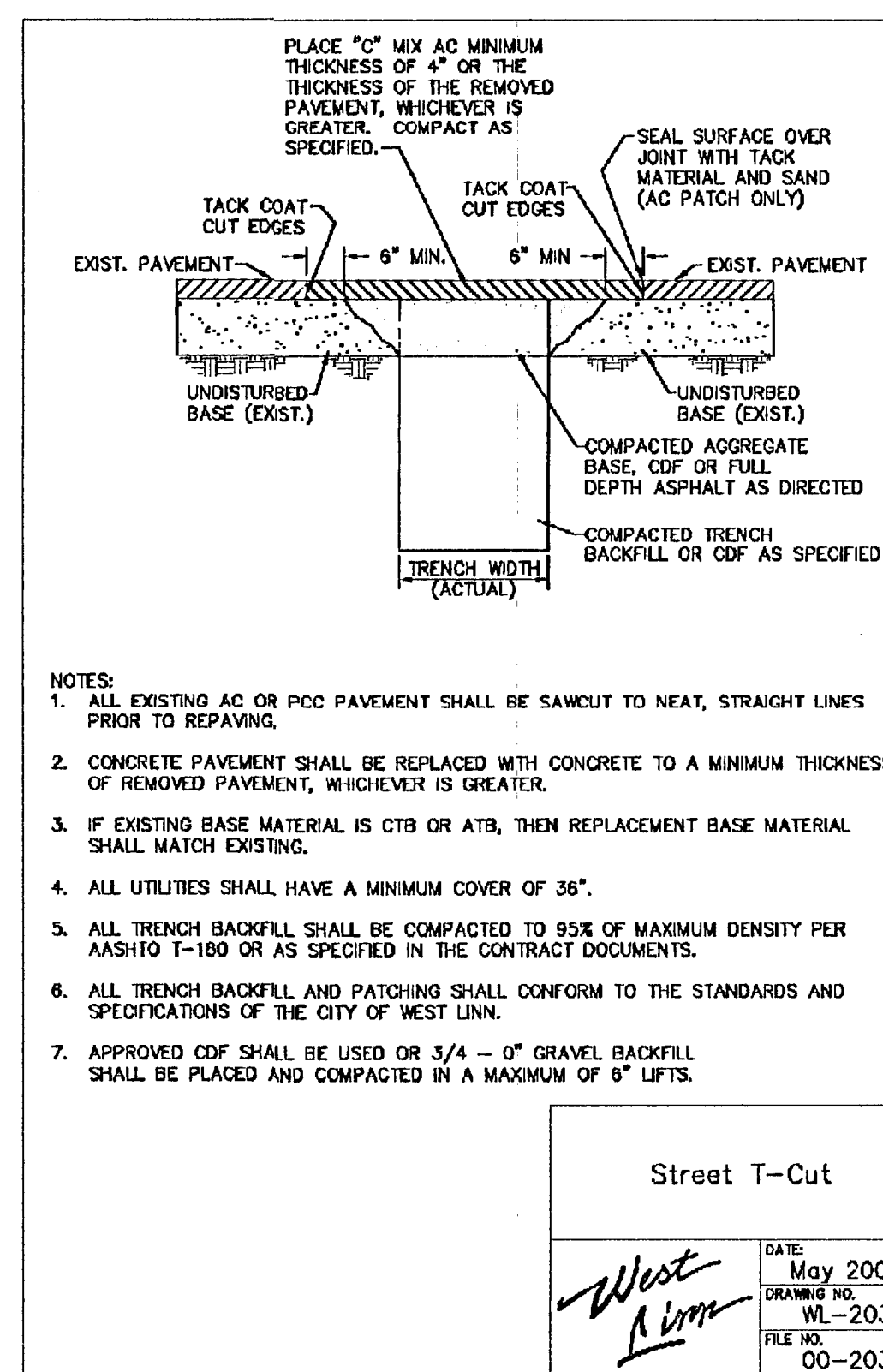
Concrete Sidewalk Cross Section

<i>West Airm</i>	DATE JAN 2000
	DRAWING NO. WL-508
	FILE NO. 00-508



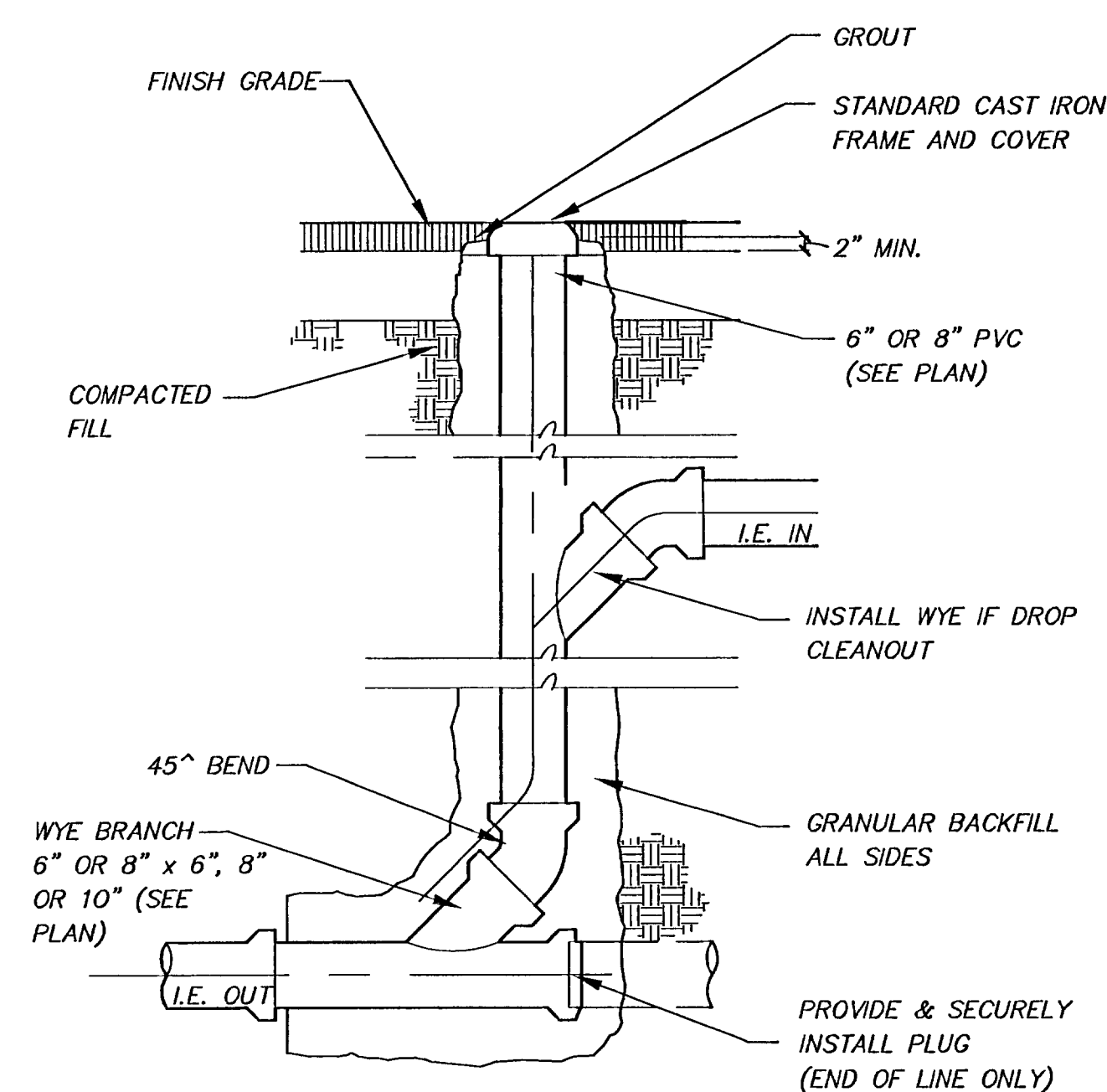
Storm Sewer Outfall

<i>West Pine</i>	DATE:	JAN 2000
	DRAWING NO.	WL-614
	FILE NO.	00-614



Street T-Cut

<i>West Pine</i>	DATE:	May 2005
	DRAWING NO.	WL-203
	FILE NO.	00-203



NOTE: CAST IRON FRAME AND COVER SHALL BE VALLEY IRON & STEEL CO. NO.'S 202 (6") OR 203 (8") OR APPROVED EQUAL.

STANDARD / DROP CLEANOUT
N.T.S.

APPROVED PLANS 10/10/2007
NOT AS-BUILT DRAWINGS

APPROVED FOR CONSTRUCTION BY
CITY OF WEST LINN

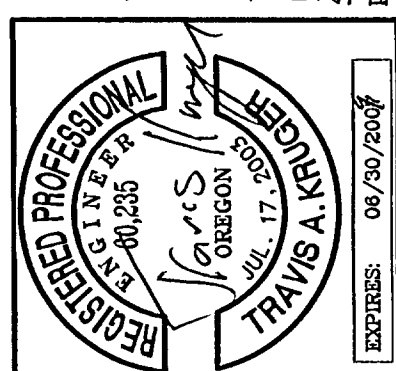
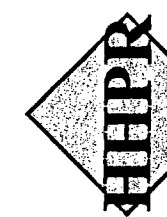
This approval is only for general conformance with the design concept and general compliance with applicable codes and requirements and shall not be construed as placing the Design Engineer of full responsibility for accuracy and completeness of the drawings.

DATE OCT 10 2003 BY Dennis E. Waigand

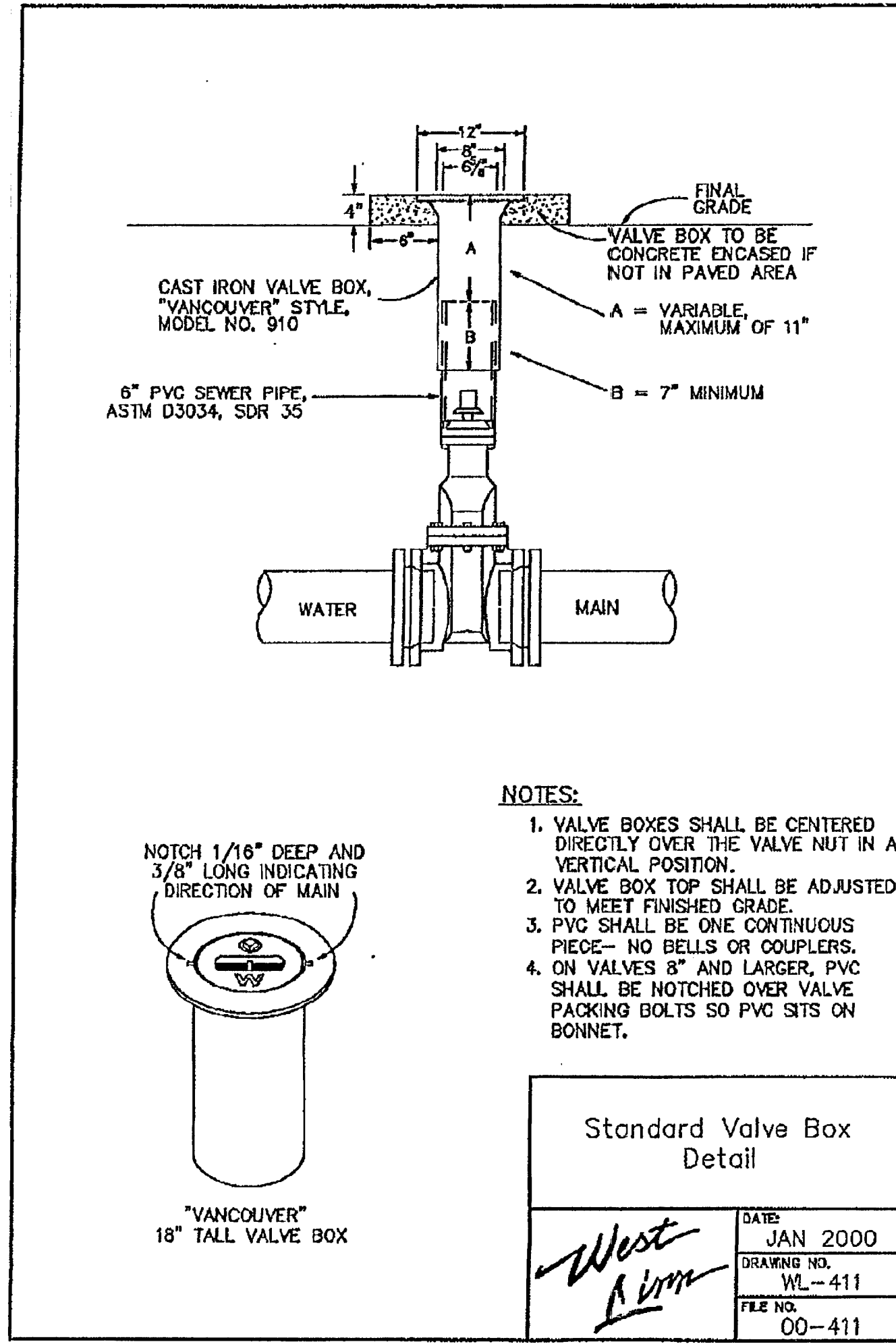
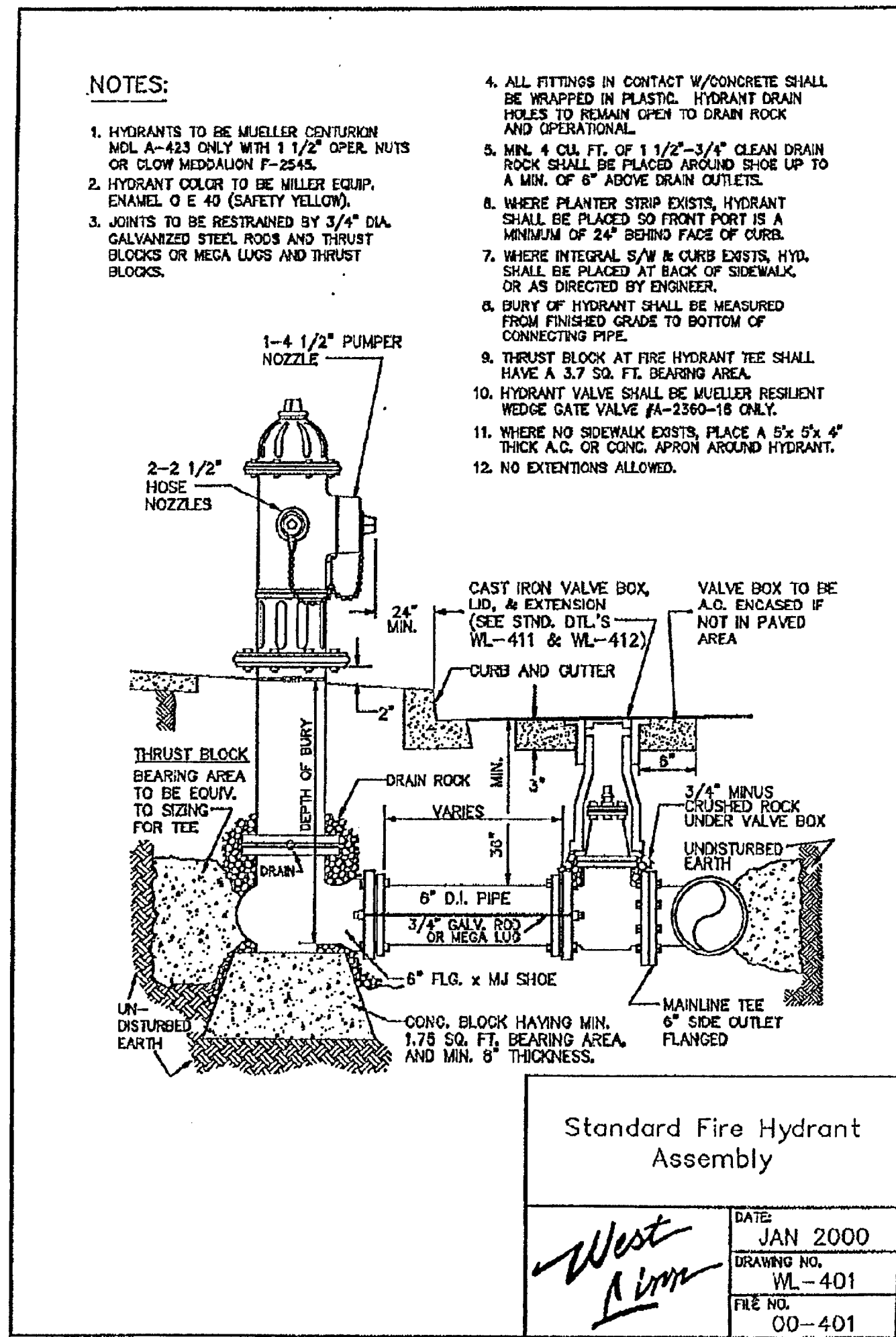
PUBLIC WORKS PERMIT DETAILS
WILLAMETTE MARKETPLACE
WEST LINN, OREGON

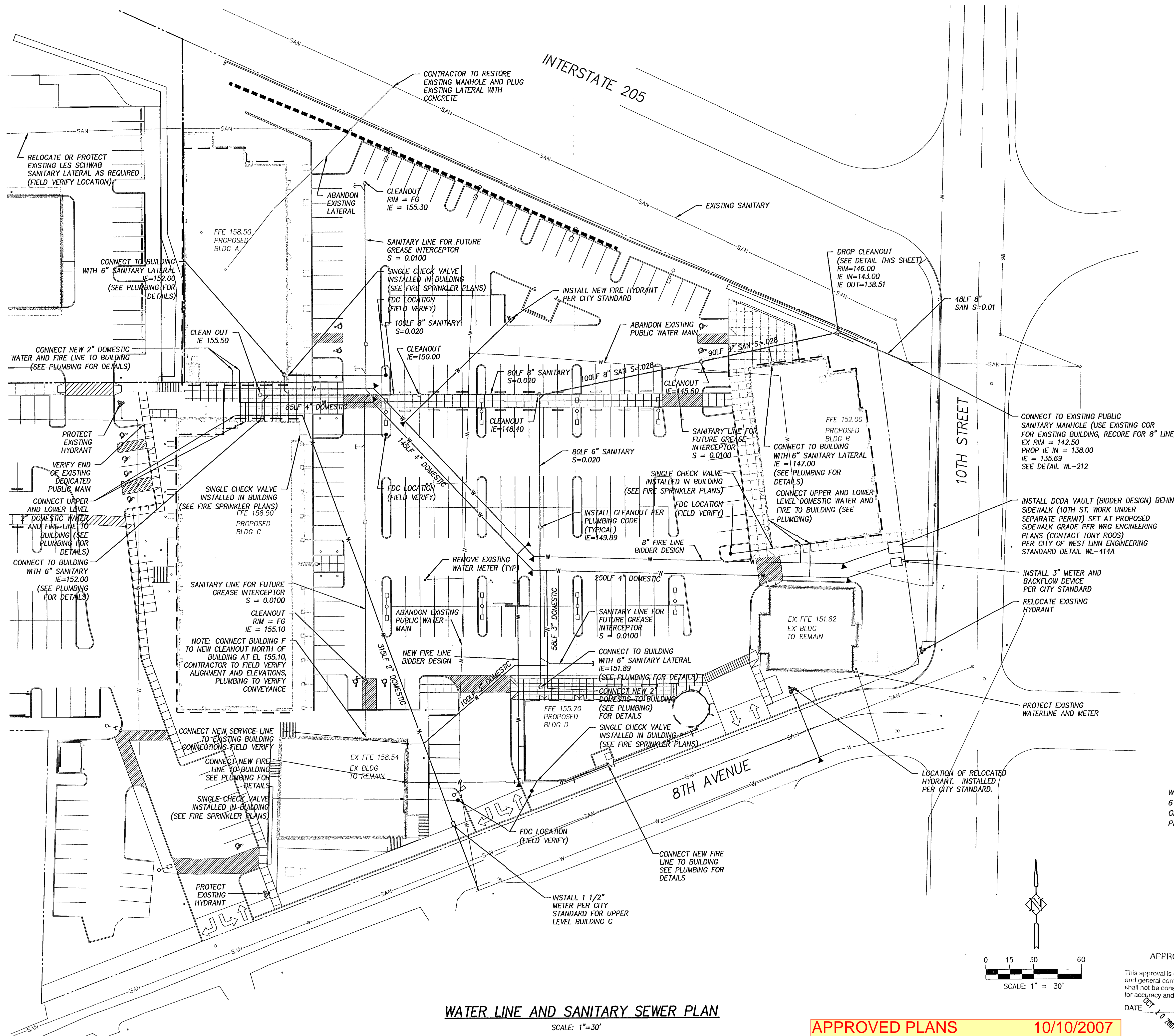
**Harper
Houf Peterson
Righellis Inc.**

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[illegible]

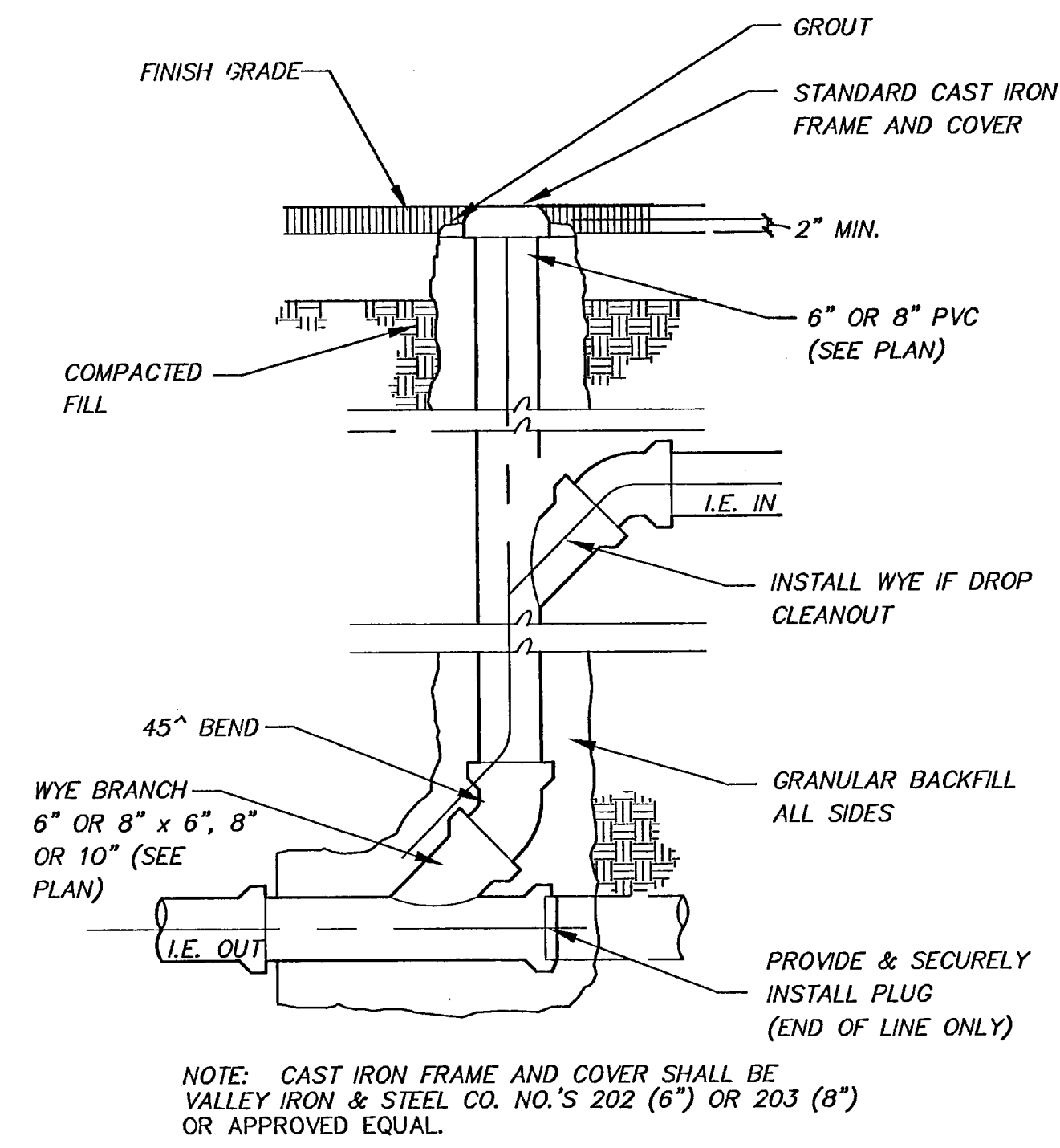
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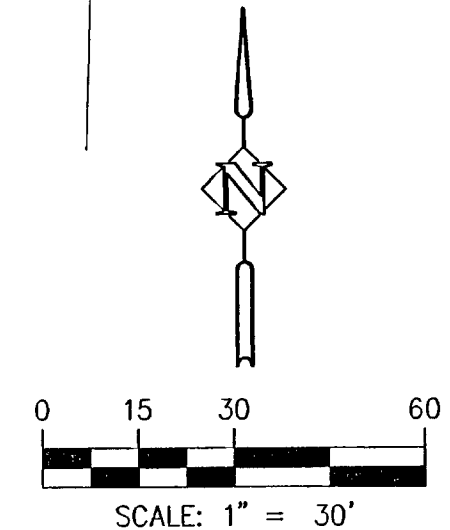


NOTE-PROTECT EXISTING WATER AND SANITARY ON WEST SIDE CONSTRUCTION

NOTE-REMOVE EXISTING 6\"/>



STANDARD / DROP CLEANOUT
N.T.S.



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DATE: 10/10/2007 BY: *Dennis E. Weigand*

CONSTRUCTION SET

WATER LINE AND SANITARY SEWER PLAN
WILLAMETTE MARKETPLACE
WEST LINN, OREGON

Harper Houf Peterson
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ENGINEERS • PLANNERS
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5200 SW Macadam Avenue, Suite 580, Portland, OR 97239
phone: 503.221.1131 www.hpr.com fax: 503.221.1171

DESIGNED: TAK		DRAWN: SAR		CHECKED: JLB		DATE: AUGUST 8, 2007	
REVISIONS		DESCRIPTION		NO.		DATE	
1		C5		1		10/10/2007	
SHEET NO.		JOB NO.		ANK-88			