

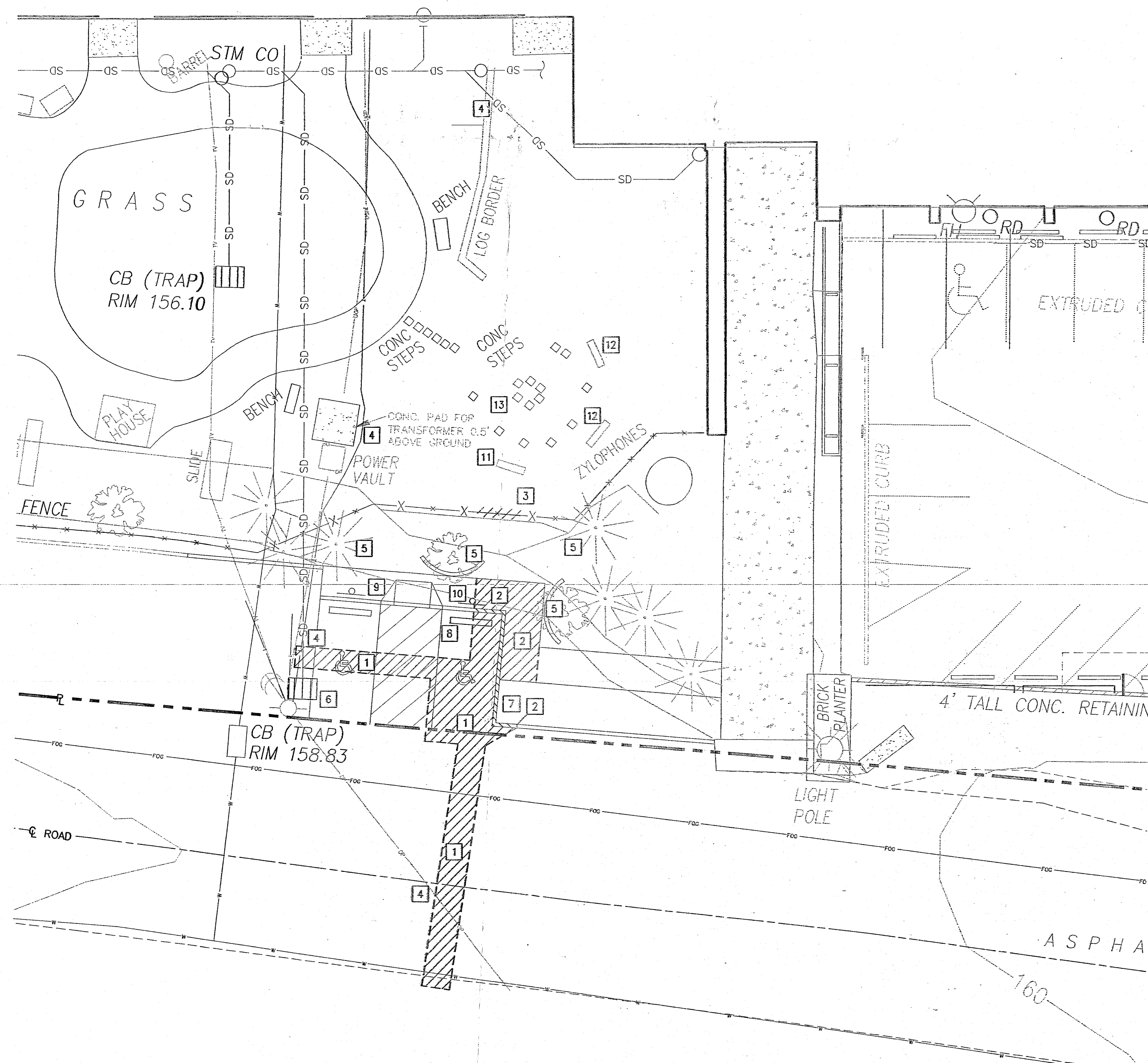
# DEMOLITION NOTES:

- 1 SAWCUT AND REMOVE EXISTING ASPHALT.
- 2 SAWCUT AND REMOVE EXISTING CURB AND SIDEWALK. ONLY REMOVE ENOUGH TO PROVIDE ADEQUATE SPACE FOR UTILITY INSTALLATION.
- 3 REMOVE EXISTING CHAINLINK FENCE. ONLY REMOVE ENOUGH TO PROVIDE ADEQUATE SPACE FOR UTILITY INSTALLATION.
- 4 PROTECT EXISTING UTILITIES DURING CONSTRUCTION. INSTALL INLET PROTECTION.
- 5 SAVE AND PROTECT EXISTING TREES. EXCAVATION SHALL NOT CUT OR DAMAGE TREE ROOTS. CONTRACTOR TO TAKE CARE BACKFILLING TRENCH NOT TO DAMAGE ROOTS. ROOTS ARE TO REMAIN SPANNING THE TRENCH AND BE PROTECTED AT ALL TIMES.
- 6 SAVE AND PROTECT EXISTING STORM DRAINAGE SYSTEM. INSTALL EROSION CONTROL PROTECTION DURING CONSTRUCTION.
- 7 REMOVE LANDSCAPE PLANTINGS AS NEEDED FOR INSTALLATION OF FDC AND FIRE HYDRANT.
- 8 REMOVE AND REINSTALL WHEEL STOP.
- 9 SAVE AND PROTECT SIGNAGE.
- 10 REMOVE AND REINSTALL SIGNAGE.
- 11 REMOVE AND REINSTALL EXISTING PLAY STRUCTURE.
- 12 SAVE AND PROTECT EXISTING PLAY STRUCTURE.
- 13 REMOVE AND REPLACE EXISTING CONCRETE STEPS AS NEEDED.

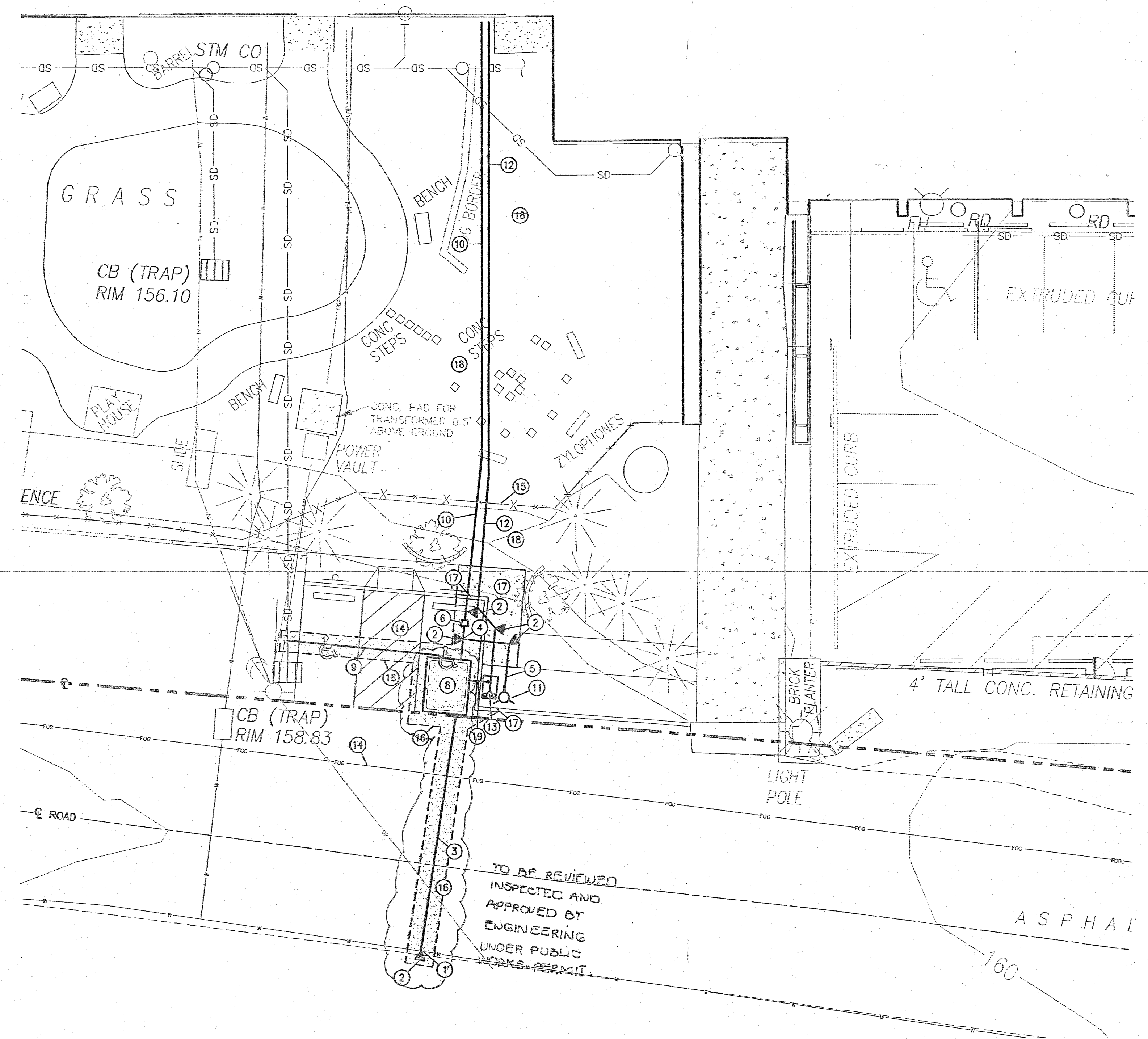
# UTILITY & CONSTRUCTION NOTES:

- 1 HOT TAP CITY OF WEST LINN 10" PUBLIC WATER LINE PER CITY OF WEST LINN STANDARD DRAWING WL-410.
- 2 INSTALL THRUST BLOCK TYPICAL. INSTALL PER CITY OF WEST LINN STANDARD DRAWING WL-406.
- 3 INSTALL 6" DIP WATER LINE. L=37'
- 4 INSTALL 6x6 MAMMFL TEE.
- 5 INSTALL 6" DIP WATER LINE. L=15'
- 6 INSTALL 6"x4" REDUCER.
- 7 NOT USED.
- 8 INSTALL DOUBLE DETECTOR CHECK VAULT AND ASSEMBLY PER CITY OF WEST LINN STANDARD DRAWINGS WL-414A, WL-414B, AND WL-414C. INSTALL LID FLUSH WITH GRADE WITH H20 TRAFFIC RATED LID. COAT LID WITH ANTI-SLIP GRANULAR COATING. CONTRACTOR TO CONFIRM LID AND HATCH SLOPE TO MATCH EXISTING ADA GRADES. CONTRACTOR TO DEVELOP DETAIL FOR WATERPROOFING AND SLOPING LID AND SUBMIT PLAN FOR APPROVAL.
- 9 PROVIDE 15" DRAIN LINE FROM NEW SUMP PUMP IN VAULT TO EXISTING STORM DRAIN.
- 10 INSTALL 4" DIP FIRE LINE. L=94'
- 11 INSTALL FIRE HYDRANT ASSEMBLY PER CITY OF WEST LINN STANDARD DRAWING WL-401.
- 12 INSTALL 4" DIP FIRE DEPARTMENT CONNECTION LINE. L=98'
- 13 INSTALL STANDARD FIRE DEPARTMENT CONNECTION WITH 1" DRAIN TO DOUBLE DETECTOR CHECK VAULT SUMP.
- 14 CONTRACTOR TO RESTROPE ADA PARKING STALLS AND ROADWAY STRIPING.
- 15 REPLACE FENCE.
- 16 PATCH ASPHALT PER CITY OF WEST LINN STANDARD DRAWING WL-203.
- 17 REPLACE CURB AND SIDEWALK TO ORIGINAL CONDITIONS (ELEVATION, & HORIZONTAL DIMENSIONS). ADA RAMPS TO MEET CURRENT ADA STANDARDS.
- 18 FINISH LANDSCAPE TO ORIGINAL CONDITION. COORDINATE WITH LANDSCAPE ARCHITECT.
- 19 INSTALL 2" GRAVITY DRAIN FROM FDC VAULT TO DOUBLE DETECTOR CHECK VAULT.

Approx 36 LF structure

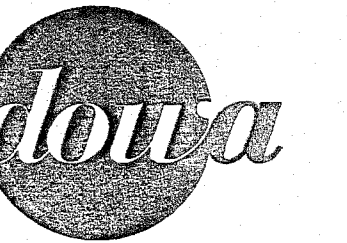


2 DEMOLITION PLAN  
BO-C1.04/BO-C1.04 SCALE: 1"=10'-0"



1 UTILITY PLAN  
BO-C1.04/BO-C1.04 SCALE: 1"=10'-0"

1" = 10'-0" 10' 0 10' 20' 30'



ARCHITECTURE • INTERIORS • PLANNING

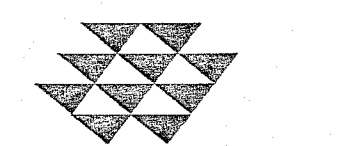
DULL OLSON WEEKES  
architects inc.

BOLTON PRIMARY SCHOOL-ADDITION/REMODEL  
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West Linn-Wilsonville School District #3JT

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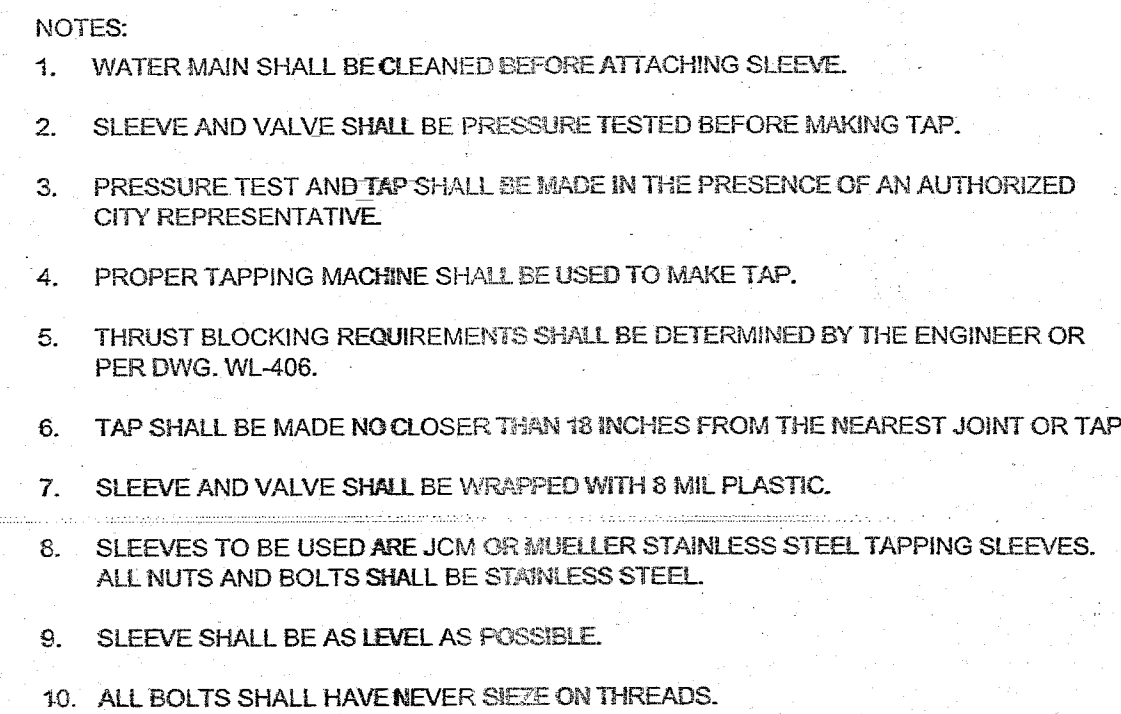



REGISTERED PROFESSIONAL  
ENGINEER  
50400PE  
KEVIN A. WINZLER  
STATE OF OREGON  
EXPIRES 6-30-2012

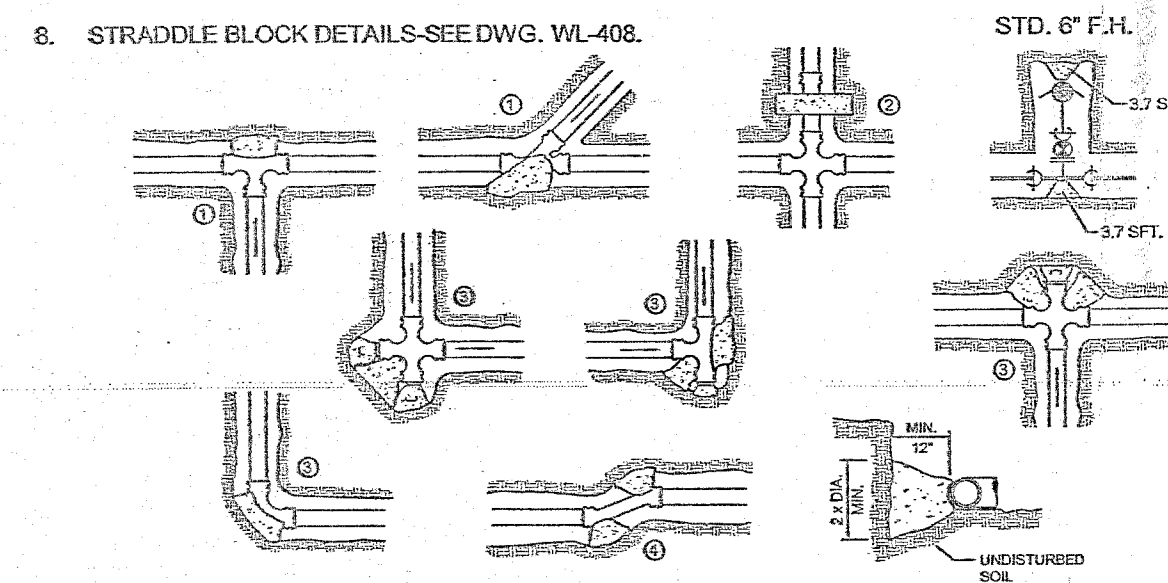
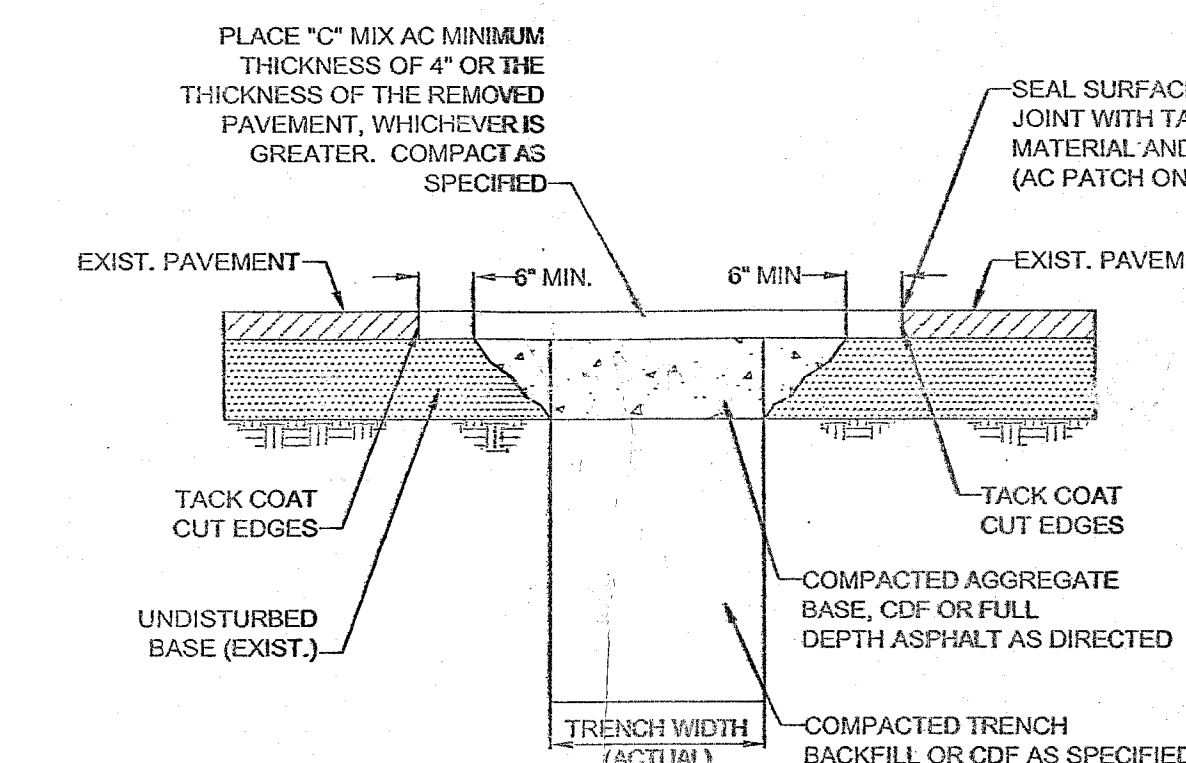
phase	bid/permit set
date	07/16/2010
revisions	
project #	09002
UTILITY PLAN	

BO-C1.04

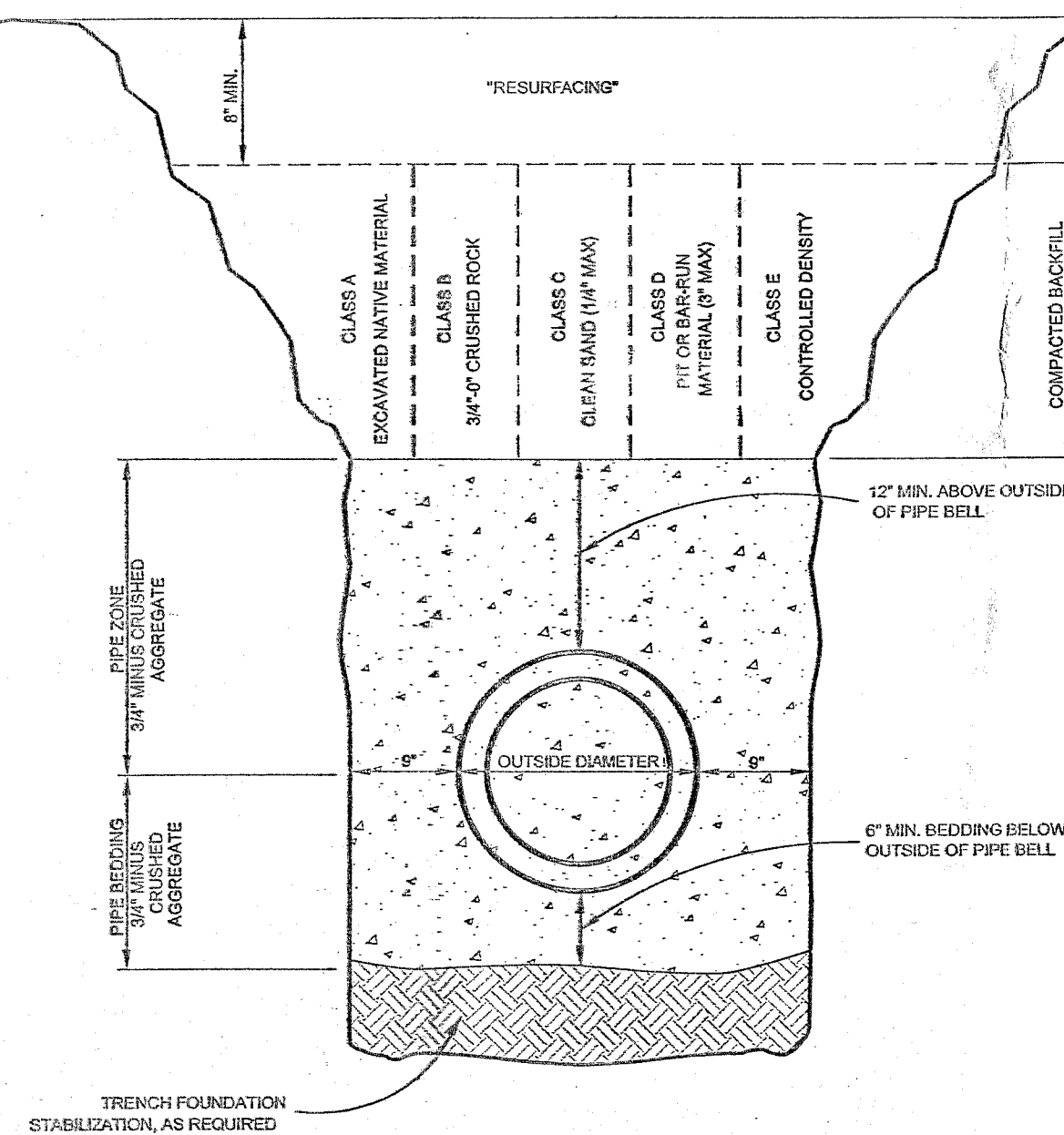





	City of <b>West Linn</b>	DATE:	JULY 2008
		DRAWING NO.	WL-410
		FILE NO.	



The logo for the City of West Linn is located in the top left corner. It features a stylized tree with a thick trunk and a canopy of leaves. To the right of the tree, the words "CITY OF" are in a small, sans-serif font, "West" is in a large, bold, serif font, and "Linn" is in a large, bold, serif font.

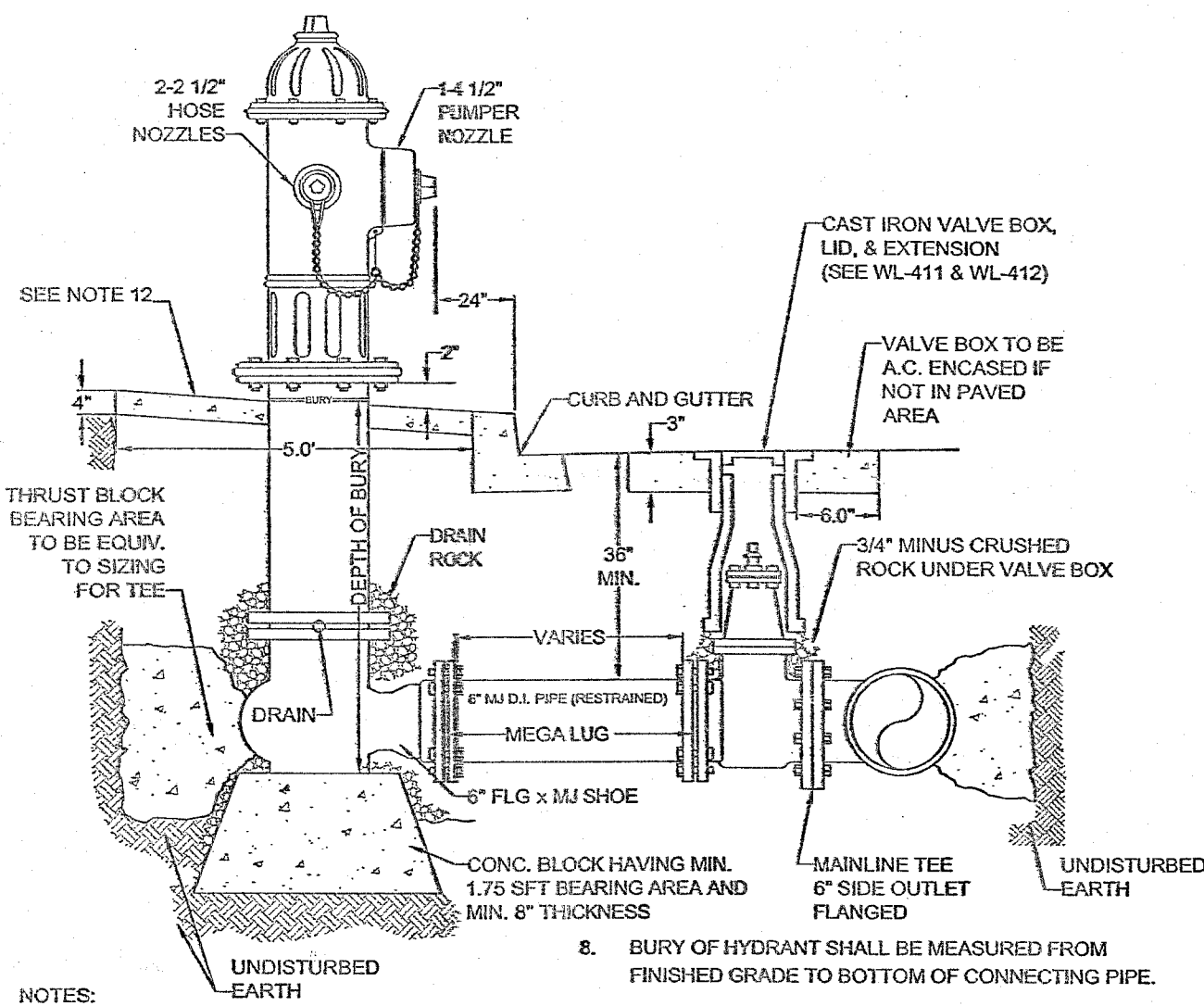



3. Only devices approved for vertical installation may be installed vertically, at the discretion of the Fire Department.
4. The device assembly shall be readily accessible with adequate room for maintenance and testing. Devices shall be located and smaller shall be at least a 12-inch clearance above and on both sides of the device assembly; and if located in a vault, the top of the device assembly shall be between 12 and 24 inches below the top of the vault.
5. All device assemblies larger than 24 inches shall have a 12-inch clearance on the backside, a 24-inch clearance on the test-cock side, and 12 inches between device assemblies. Adequate clearance (3 inches minimum) must be maintained above U.S. & Y. gate-valve stem. Headroom of 6' 0" is required in vaults. Access to the valve stem of any vault or chamber shall be clear at all times. An OSHA-approved powered ladder that extends 3 ft. above surface of vault shall be installed.
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 service in the City of West Linn. The meter on bypass assembly shall reside in public feet.
8. If a Fire Line Valve, or Tamper Switch is installed, it will be connected to a new tamper Detection System approved by the Fire Marshal. No installation will modify the backflow device assembly or interfere with its operation or maintenance.
9. All backflow devices shall be installed at the service connection to the premises per Oregon Administrative Rules 333-61-070, Cross Connection Control Requirements, unless specifically approved by the Water Division Engineer, or the fire department - a location where the public water facilities end and/or near the property line.
10. All pipe between main and device shall be restrained. Use Mega-Lug restraint glands on all joints and Field-Lok gaskets on bell joints. Line-Flange adapters may be used in vaults.

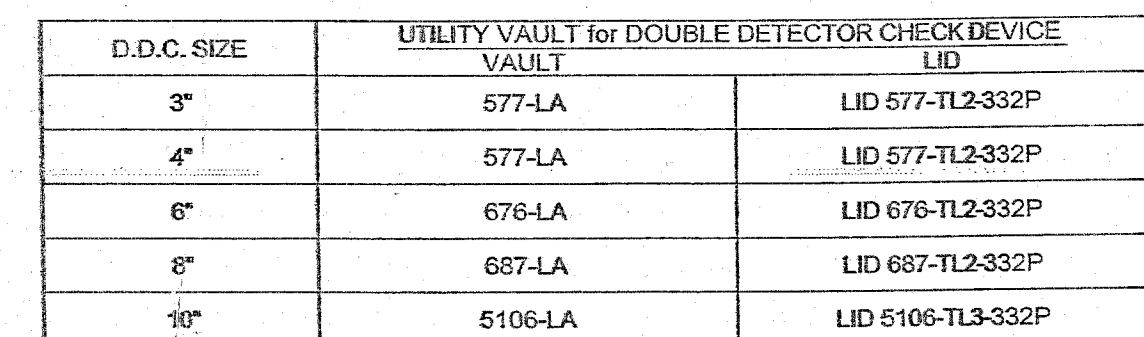
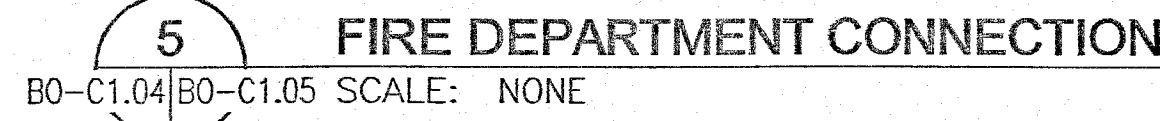



City of  
**West  
Linn**

DATE: JULY 2008  
DRAWING NO. WL-414C  
FILE NO.




STANDARD FIRE HYDRANT ASSEMBLY	
	CITY OF
	West
	Linn
DATE:	JULY 2008
DRAWING NO.	WL-401
FILE NO.	

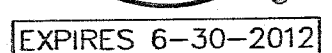
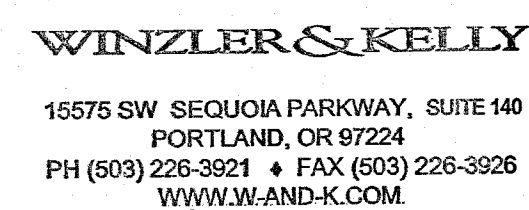


	City of	DATE: JULY 2008
	West Linn	DRAWING NO. WL-414A
		FILE NO.

- An approved backflow prevention device assembly is required on all 1 1/2" and larger domestic water service lines, all irrigation and most fireline systems. A device assembly will be approved by the City of West Linn only if the State of Oregon Health Division has approved its use as a backflow device assembly. The device shall be installed at the property line. When it is not possible to locate the device at the property line, the proposed location must be approved by the Water Division Engineer. A water service shall not be turned on until all required backflow prevention devices have been approved by the City of West Linn. The City of West Linn is responsible for all installations, including all costs of initial inspection and testing fees, shall be the responsibility of the customer. The customer will be responsible for all maintenance and testing of the device and vault when used.

1. All pipe shall be installed to the City of West Linn's Public Works Standards.
2. The City of West Linn will be furnished with three sets of plans and specifications. The plans shall be drawn at a scale of 1"=20' for plan check. One set of revised plans shall be returned to the engineer for revisions.
3. The contractor shall keep one set of approved plans at the construction site
4. The engineer shall furnish the City of West Linn 48-hours notice prior to construction.
5. Water facilities shall be installed in the presence of the City of West Linn's inspector. The inspector shall have access to the construction site at all times.
6. No main shall be pressure tested and disinfected by the contractor and proven to be bacteriologically safe prior to placing new mains in service and prior to connection to City facilities.
7. Upon completion of the water facility, the engineer shall notify the City of West Linn 48 hours in advance of desired, final inspection.

<h1>BACKFLOW PREVENTION</h1> <h2>DEVICES</h2>	
	<p>City of <b>West Linn</b></p>
<p>DATE: JUL 2008</p> <p>DRAWING NO. WL-414B</p> <p>FILE NO.</p>	



revisions |

## CIVIL DETAILS

0-C1.0