



**MATERIALS LIST:**

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| <ol style="list-style-type: none"> <li>1. WYE – SIZE AS REQUIRED</li> <li>2. SERVICE LATERAL, SEE NOTE 2</li> <li>3. RESILIENT WEDGE GATE VALVE</li> <li>4. 45° BEND</li> <li>5. PLUG (TO BE REMOVED BY PROPERTY OWNER UPON SERVICE LINE EXTENSION AND INSTALLATION OF CLEAN OUT AND GRINDER PUMP STATION)</li> </ol> | <ol style="list-style-type: none"> <li>6. REDUCER</li> <li>7. SCH 80 PVC</li> </ol> <p>FOR 1 1/4" SERVICE LINES (FITTINGS FOR OTHER SIZES DETERMINED ON INDIVIDUAL BASIS)</p> <ol style="list-style-type: none"> <li>8. 1 1/4" STAINLESS STEEL CHECK VALVE ASSEMBLY ( UNI-LATERAL AS MANUFACTURED BY E-ONE)</li> <li>9. 1 1/4"x13" THREADED STAINLESS STEEL HOSE ( TT5-6201 SERIES AS MANUFACTURED BY PROCO)</li> </ol> |
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**NOTES:**

1. SIZE OF SERVICE PIPE, VALVES AND FITTINGS SHALL BE DETERMINED ON AN INDIVIDUAL BASIS BY A REGISTERED PROFESSIONAL ENGINEER OR LICENSED PLUMBER TO MEET THE DEMANDS OF THE PARTICULAR PROJECT/PROPERTY AND TO SUIT THE PARTICULAR GRINDER PUMP STATION NEEDED.
2. ALL PIPING SMALLER THAN 4" SHALL BE PVC SCHEDULE 80 WITH PVC SCHEDULE 80 FITTINGS. ALL PIPING 4" AND LARGER SHALL BE C900 PVC WITH DUCTILE IRON FITTINGS. PIPING SHALL BE GREEN, WHITE, OR SHALL BE ENCASED WITH BROWN POLYWRAP.
3. LOCATE VALVE BOXES WITHIN 10' P.U.E. AND WITHIN 5' OF LOT CORNER PIN, WHERE FEASIBLE.
4. INSTALL VALVE VAULTS ON 3/8" CRUSHED ROCK OR PEA GRAVEL PAD—MINIMUM 4" DEPTH BELOW VAULT, EXTENDING UPWARD TO PIPE SPRING LINE, AND COMPACTED TO 95% STD PROCTOR.
5. MINIMUM DEPTH OF COVER FOR SERVICES = 24". (TYPICAL DEPTH AT VALVES)
6. EXTENSION OF SERVICE LINE AND INSTALLATION OF CLEAN OUT AND GRINDER PUMP SHALL BE FURNISHED BY PROPERTY OWNERS.
7. LOT OWNERS SHALL GRANT ACCESS TO PRIVATE CONTRACTORS AS REQUIRED BY WCID NO. 17 FOR EMERGENCY MAINTENANCE OF GRINDER PUMP STATION.

	<b>TRAVIS COUNTY WATER CONTROL AND IMPROVEMENT DISTRICT No. 17</b> STANDARD DETAILS	<b>TYPICAL COMMERCIAL WASTEWATER PRESSURE SEWER OR LARGE RESIDENTIAL SERVICE DETAIL</b>	
	ADOPTED:  <div style="text-align: center;">03/01/2016</div>	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	DETAIL NO.  <div style="font-size: 1.2em; font-weight: bold;">WW29</div>