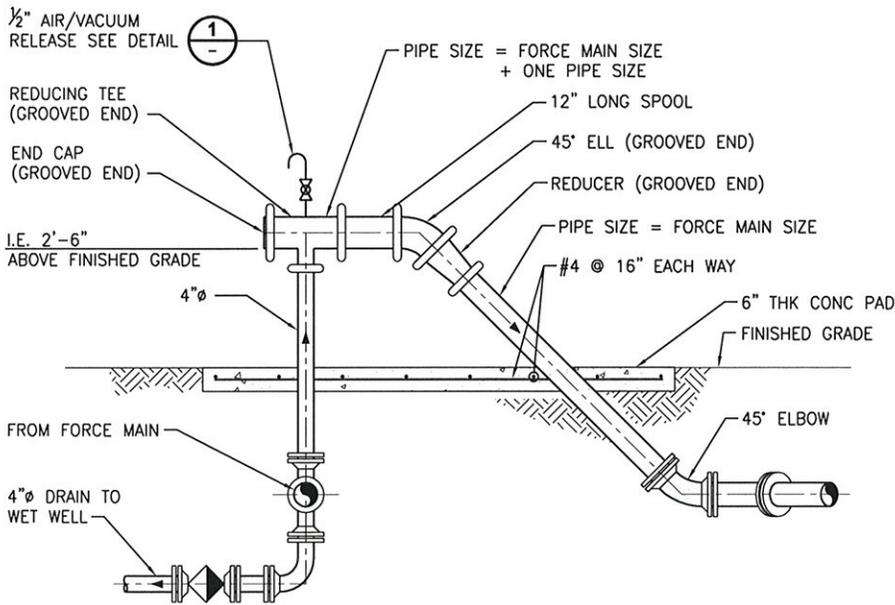


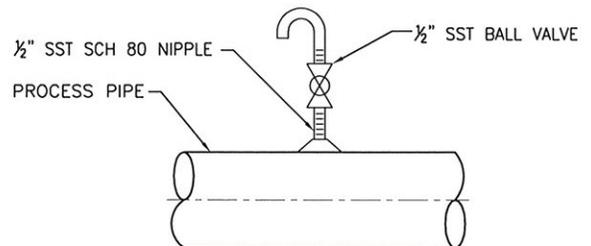
**PIG LAUNCH  
PLAN**

NOT TO SCALE



**PIG LAUNCH  
SECTION**

NOT TO SCALE

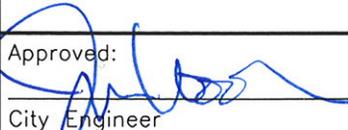


**AIR/VACUUM RELEASE  
DETAIL**

NO SCALE

**NOTES:**

1. ALL UNDERGROUND PROCESS PIPE AND FITTINGS SHALL BE DUCTILE IRON WITH RESTRAINED JOINTS. UNDERGROUND VALVES SHALL BE RESTRAINED JOINT WITH CAST IRON VALVE BOXES PER CITY REQUIREMENTS. EXPOSED PIPING SHALL BE GROOVED END WITH FLANGED VALVES.
2. PIG LAUNCH SHALL ALSO BE SUITABLE FOR TEMPORARY BYPASS PUMP CONNECTION BY CITY

Approved:  October 22, 2007  
City Engineer Date



Dwg No: **SS20**  
**PIG LAUNCH**

SANITARY SEWER STANDARD DETAIL