

## **WOODINVILLE WATER DISTRICT GENERAL SEWER NOTES**

1. ALL WORK SHALL CONFORM TO THE RULES AND REGULATIONS OF THE WOODINVILLE WATER DISTRICT, THE JURISDICTIONAL AUTHORITY IF WORKING IN PUBLIC RIGHTS OF WAY, THESE DRAWINGS, AND THE STANDARD SPECIFICATIONS FOR DEVELOPER EXTENSIONS AND THE SEWER STANDARD PLANS.
2. THE CONTRACTOR SHALL ATTEND A PRECONSTRUCTION CONFERENCE PRIOR TO THE START OF CONSTRUCTION.
3. SEWER MAINS SHALL BE 8-INCH DIAMETER PVC, SDR 35, UNLESS OTHERWISE NOTED ON THE PLANS OR REQUIRED BY THE SPECIFICATIONS
4. NO CONSTRUCTION WILL BE ALLOWED UNTIL THE RIGHT-OF-WAY PERMIT HAS BEEN ISSUED. CONTRACTOR TO CONTACT DISTRICT FOR STATUS OF PERMIT. ONCE PERMIT IS ISSUED, (3) WORKING DAYS NOTICE VIA E-MAIL SHALL BE GIVEN PRIOR TO THE BEGINNING OF WORK. CONTACT THE DISTRICT FOR CLARIFICATION IF JURISDICTIONAL STANDARDS OVERRIDE DISTRICT STANDARDS.
5. INSPECTIONS AND TESTING SHALL BE SCHEDULED A MINIMUM 24 WORKING HOURS IN ADVANCE.
6. MINIMUM SEPARATION OF POTABLE WATER MAINS AND SANITARY SEWER LINES SHALL BE TEN (10) FEET HORIZONTALLY FOR PARALLEL PIPE AND EIGHTEEN (18) INCHES VERTICALLY FOR PERPENDICULAR OR OBLIQUE CROSSINGS, MEASURED FROM OUTSIDE EDGE TO OUTSIDE EDGE. SITUATIONS OCCURRING WITH LESS THAN MINIMUM SEPARATION SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION C1-9 OF THE LATEST EDITION OF THE "CRITERIA FOR SEWAGE WORKS DESIGN" PUBLISHED BY THE WASHINGTON STATE DEPARTMENT OF ECOLOGY.
7. THE DEVELOPER SHALL NOTIFY THE DISTRICT, IN WRITING, AT LEAST SEVEN (7) BUSINESS DAYS IN ADVANCE AND MAKE THE NECESSARY ARRANGEMENTS WITH THE WATER DISTRICT INSPECTOR FOR CONNECTION TO EXISTING SEWER MANHOLE.
8. EXISTING SEWER FLOWS SHALL BE MAINTAINED AT ALL TIMES. THE CONTRACTOR SHALL SUBMIT A SEWER BYPASS PLAN FOR APPROVAL WHEN CONNECTING TO THE EXISTING SYSTEM UNLESS THE DISTRICT DEEMS THIS UNNECESSARY.
9. LOCATION SHOWN OF EXISTING UTILITIES IS APPROXIMATE. IDENTIFICATION, LOCATION MARKING, AND RESPONSIBILITY FOR UNDERGROUND FACILITIES OR UTILITIES IS GOVERNED BY THE PROVISIONS OF CHAPTER 19.122 REVISED CODE OF WASHINGTON. VERIFY LOCATIONS PRIOR TO INSTALLATION OF NEW SEWER MAIN.

10. CONTRACTOR SHALL FULLY EXCAVATE AROUND EXISTING MH \_\_\_\_\_ AS REQUIRED TO PREVENT UNEQUAL SOIL LOADING DURING CONSTRUCTION. EXISTING MH'S SHALL BE CORED AND CONNECTION MADE WITH A KOR-N-SEAL BOOT. EXISTING FLOWS SHALL BE PROTECTED OR BYPASSED AS DIRECTED BY THE DISTRICT WHILE WORKING IN AN EXISTING MH. RECHANNEL THE MH BASE AS REQUIRED. THE CONE SHALL BE ROTATED AND NEW LADDER INSTALLED (PER THE STANDARD PLANS) IF EXISTING LADDER LOCATION IS WITHIN 6" OF THE EDGE OF ANY CHANNELING. IF NECK OF MANHOLE DOES NOT OR WILL NOT HAVE TOLERANCES SHOWN IN STANDARD PLANS, A MH BARREL EXTENSION SHALL BE INSTALLED OR REMOVED AS NECESSARY TO KEEP THE NECK ADJUSTMENT PER THE STANDARD PLANS.
11. CONTRACTOR SHALL INSTALL A PLUG IN THE OUTLET OF MH \_\_\_\_\_ TO ISOLATE THE NEW SYSTEM. THIS PLUG SHALL NOT BE REMOVED UNTIL AUTHORIZED BY THE DISTRICT INSPECTOR. END OF EACH PIPE SHALL BE PLUGGED AFTER PLACING ON GRADE BETWEEN EXISTING MH \_\_\_\_\_ AND MH \_\_\_\_\_. CONTRACTOR IS RESPONSIBLE TO SCHEDULE SEWER PLUG REMOVAL WITH DISTRICT INSPECTOR AFTER PUNCHLIST ITEMS HAVE BEEN COMPLETED.
12. THE CONTRACTOR IS CAUTIONED THAT OVER HEAD ELECTRICAL LINES SHOWN ON THE DRAWINGS ARE LOCATED BY POINT-TO-POINT, POWER POLE-TO-POWER POLE CONNECTION. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXTENT OF ANY HAZARD CREATED BY OVERHEAD ELECTRICAL POWER IN ALL AREAS AND SHALL FOLLOW PROCEDURES DURING CONSTRUCTION AS REQUIRED BY LAW AND REGULATIONS.
13. SIDE SEWER STUBS ARE TO BE EXTENDED TO THE EDGE OF THE SEWER EASEMENT AT A 2% MINIMUM SLOPE PER THE STANDARD PLAN. CONNECTION FROM THE BUILDING TO THE SIDE SEWER STUB REQUIRES A SIDE SEWER PERMIT FROM THE WOODINVILLE WATER DISTRICT ISSUED AFTER PROJECT ACCEPTANCE.
14. BACKWATER VALVES MAY BE REQUIRED PER UNIFORM PLUMBING CODE. JURISDICTIONAL REQUIREMENTS MAY OVERRIDE BACKWATER TYPE AND LOCATION. DEVELOPER IS RESPONSIBLE FOR CONTACTING THE JURISDICTIONAL AUTHORITY TO VERIFY WHETHER A BACKWATER VALVE IS REQUIRED.
15. TRENCH RESTORATION AND PAVING IN RIGHT-OF-WAY SHALL CONFORM TO THE JURISDICTIONAL SPECIFICATIONS AND REQUIREMENTS.
16. PERMANENT ASPHALT PATCHING TO BE COMPLETED WITHIN 30 DAYS OF EXCAVATION OR AS REQUIRED BY THE JURISDICTIONAL AUTHORITY.
17. MANHOLES SET IN A PAVED STREET OR OTHER PAVED AREAS SHALL HAVE FRAME AND COVERS FLUSH WITH FINISH ASPHALT GRADE. FRAMES SHALL BE TILTED AND GROUTED TO MATCH THE EXISTING ROADWAY SLOPE. REMOVE ASPHALT FROM THE LIDS AFTER PAVING. DAMAGED ASPHALTIC COATING ON THE FRAME AND COVER SHALL BE REPLACED PER THE MANUFACTURER'S RECOMMENDATION.

18. MANHOLES SHALL BE WATERTIGHT. RISER SEAMS, PICK HOLES, AND ADJUSTMENT RINGS SHALL BE SEALED WITH "WRAPID SEAL" BY CANUSA -CPS OR NPC EXTERNAL JOINT WRAP BY TRELLEBORG ENGINEERED SYSTEMS (SEE SPECIFICATIONS).
19. PVC SEWER MAINS SHALL NOT HAVE A PIPE JOINT WITHIN 10' OF THE MANHOLE.
20. INSTALL A 2' CONE FOR MH'S UNDER 8' IN HEIGHT. FLAT TOP SLABS ARE ALLOWED ONLY WITH PERMISSION FROM THE DISTRICT
21. PROVIDE EAST JORDAN IRON WORKS WATERTIGHT MH FRAME AND COVERS, PRODUCT NO. 00370548W01 FOR NEW MH'S OR IF THE EXISTING MH DOES NOT HAVE A WATERTIGHT LID AND FRAME.
22. A ONE-TENTH FOOT (0.1 FOOT) DROP IS THE MINIMUM ALLOWABLE DROP ACROSS MANHOLES. CONSIDERATION NEEDS TO BE GIVEN TO CORED LOCATIONS ON STEEPER RUNS. AT LOCATIONS WHERE SIDE SEWER ENTERS AT MANHOLE, SIDE SEWER AND MAIN LINE CROWN ELEVATIONS SHALL BE EQUAL AS A MINIMUM OR AS SHOWN ON THE PLANS.
23. THE DISTRICT EXPECTS A HIGH DEGREE OF QUALITY IN MH CHANNELING. CONCRETE CHANNEL WORK IN ONE OR TWO MANHOLES SHALL BE PRE-QUALIFIED IF THE DISTRICT IS NOT FAMILIAR WITH THE CONTRACTOR OR SUBCONTRACTOR DOING THE WORK. CHANNELING AN EXISTING FIBERGLASS BASE SHALL BE RE-GLASSED BY A CERTIFIED SERVICE TECHNICIAN TO ACCOMMODATE THE NEW CONNECTION.
24. DEVELOPER IS RESPONSIBLE FOR PERMIT AND COORDINATION WITH BP/OLYMPIC PIPELINE COMPANY FOR CROSSING OF PETROLEUM PIPELINES.
25. CONTRACTOR REQUIRED TO FOLLOW ALL CONFINED SPACE ENTRY REGULATIONS PRIOR TO ENTERING ANY CONFINED SPACE.
26. CONTRACTOR REQUIRED TO PROVIDE A COMPETENT PERSON(S) TRAINED TO IDENTIFY EXISTING OR PREDICTABLE HAZARDS RELATED TO TRENCH SAFETY, SOIL CONDITIONS, AND SHORING REQUIREMENTS, IN ACCORDANCE WITH WAC 296-155 PART N. REPRESENTATIVES OF THE DISTRICT SHALL NOT BE REQUIRED TO PERFORM THE ROLE OF COMPETENT PERSON FOR THIS PROJECT. NO WORKERS SHALL ENTER A TRENCH OR OTHER EXCAVATION FOUR FEET OR MORE IN DEPTH WITHOUT TRENCH SAFETY SYSTEM IN PLACE.