

## CITY OF SHERWOOD STANDARD NOTES

1. CONTRACTOR SHALL NOTIFY CITY OF SHERWOOD ENGINEERING DEPARTMENT (AT 503-925-2306) TWO BUSINESS DAYS PRIOR TO COMMENCEMENT OF WORK ON GRADING, PUBLIC IMPROVEMENTS, OR STORM WATER TREATMENT FACILITIES.
2. ALL CONSTRUCTION WORK AND MATERIALS SHALL CONFORM TO APPLICABLE CITY OF SHERWOOD STANDARDS CONSTRUCTION SPECIFICATIONS, CLEAN WATER SERVICES (CWS) DESIGN AND CONSTRUCTION STANDARDS, UNIFORM PLUMBING CODE (UPC) AND UNIFORM BUILDING CODE (UBC). CONTRACTOR AND SUBCONTRACTOR(S) SHALL HAVE A MINIMUM OF ONE SET OF APPROVED PLANS AND CITY OF SHERWOOD STANDARD CONSTRUCTION SPECIFICATIONS ON THE JOB SITE AT ALL TIMES DURING CONSTRUCTION.
3. APPLICANT(S) IS RESPONSIBLE FOR ALL COSTS OF CONSTRUCTION.
4. CITY OF SHERWOOD BUILDING DEPARTMENT PERMITS ARE REQUIRED FOR PRIVATELY MAINTAINED SEWER, INLETS, INLET LEADS, AND SERVICE LATERALS CONSTRUCTED OUTSIDE OF PUBLIC RIGHT-OF-WAY OR PUBLIC EASEMENT. ALL WORK APPROVED UNDER PLUMBING PERMITS SHALL BE PRIVATELY OWNED AND MAINTAINED.
5. ATTENTION EXCAVATORS: OREGON LAW REQUIRES YOU TO FOLLOW RULES ADOPTED BY OREGON UTILITY NOTIFICATION CENTER. THOSE RULES ARE SET FORTH IN OAR 952-001-0010 THROUGH OAR 952-001-0090. YOU MAY OBTAIN COPIES OF THESE RULES FROM THE CENTER BY CALLING (503) 232-1987. IF YOU HAVE ANY QUESTIONS ABOUT THESE RULES, YOU MAY CONTACT THE CALL CENTER. YOU MUST NOTIFY THE CENTER AT LEAST TWO BUSINESS DAYS, BUT NOT MORE THAN 10 BUSINESS DAYS, BEFORE COMMENCING EXCAVATION. CALL (503) 246-6699
6. ALL TRENCH LINES AND EXCAVATIONS SHALL BE PROPERLY SHORED AND BRACED TO PREVENT CAVING. UNUSUALLY DEEP EXCAVATIONS MAY REQUIRE EXTRA SHORING AND BRACING. ALL SHEETING, SHORING, AND BRACING OF TRENCHES SHALL CONFORM TO OREGON OCCUPATIONAL SAFETY AND HEALTH DIVISION (OSHA) REGULATIONS AND CITY OF SHERWOOD STANDARD SPECIFICATIONS.
7. CONTRACTOR IS TO FIELD VERIFY LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO CONSTRUCTION
8. SITE EROSION CONTROL PLAN AND BMP'S MEETING CWS STANDARDS TO BE IN PLACE AND APPROVED PRIOR TO CONSTRUCTION
9. A TEMPORARY USE PERMIT, SUBJECT TO SECTION 16.86 OF THE CITY OF SHERWOOD CODE, IS REQUIRED PRIOR TO ANY USE OF AN ON-SITE CONSTRUCTION TRAILER. UNDER NO CIRCUMSTANCE SHALL THE TRAILER BE LOCATED IN THE PUBLIC RIGHT-OF-WAY.
10. THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS AND LICENSES BEFORE STARTING CONSTRUCTION. A COPY OF THE REQUIRED PERMITS AND ATTACHMENTS SHALL BE AT THE WORK SITE AND AVAILABLE DURING CONSTRUCTION.
11. TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. TRAFFIC CONTROL PLAN SHALL BE SUBJECT TO THE APPROVAL OF THE CITY.
12. ANY INSPECTION OR CONSTRUCTION OBSERVATION BY THE CITY, COUNTY, STATE, OR OTHER JURISDICTIONAL AGENCIES SHALL NOT, IN ANY WAY, RELIEVE THE CONTRACTOR FROM ANY OBLIGATION TO PERFORM THE WORK IN COMPLIANCE WITH THE APPLICABLE CODES, REGULATIONS, CITY STANDARDS, AND PROJECT CONTRACT DOCUMENTS.
13. CONTRACTOR SHALL PROTECT AND MAINTAIN ALL EXISTING STRUCTURES AND UTILITIES NOT SHOWN TO BE REMOVED. CONTRACTOR SHALL REPLACE OR REPAIR ANY EXISTING STRUCTURES (SIDEWALKS, CURB, FENCE, STREET TREES, ETC.) DAMAGED DURING CONSTRUCTION, IN ACCORDANCE WITH CITY STANDARDS.
14. NO TRENCHES OR PITS WILL BE ALLOWED TO REMAIN OPEN OVERNIGHT. ALL TRENCHES AND PITS SHALL BE COVERED WITH STEEL PLATES OR FILLED IN AT NIGHT.
15. ANY ALTERATIONS OR VARIATIONS FROM THESE PLANS, EXCEPT MINOR FIELD ADJUSTMENTS NEEDED TO MEET EXISTING FIELD CONDITIONS, SHALL BE APPROVED THE THE ENGINEER AND APPLICABLE REGULATORY AGENCY REPRESENTATIVE.
16. ANY PRIVATE UTILITIES TO BE INSTALLED WITHIN CITY OF SHERWOOD RIGHT-OF-WAY THAT IS NOT SHOWN ON THE APPROVED CONSTRUCTION PLANS (POWER, TELECOMMUNICATIONS, GAS, IRRIGATION, ETC.) SHALL HAVE PLANS SUBMITTED FOR A RIGHT-OF-WAY PERMIT PRIOR TO CONSTRUCTION OF UTILITY. ANY PRIVATE OR FRANCHISE UTILITIES INSTALLED WITHOUT A RIGHT OF WAY PERMIT IS SUBJECT TO REMOVAL.
17. CONTRACTOR IS RESPONSIBLE FOR THE IMPLEMENTATION OF A TRAFFIC CONTROL PLAN AND ITS CONTINUED FUNCTIONING FOR THE PROTECTION OF CONSTRUCTION WORKERS, VEHICULAR TRAFFIC, BICYCLE TRAFFIC AND PEDESTRIANS. ALL TRAFFIC CONTROL DEVICES/SIGNAGE SHALL BE IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. APPROVAL OF THE TRAFFIC CONTROL PLAN BY THE CITY OF SHERWOOD DOES NOT NEGATE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN A SAFE WORK ZONE. THE CITY OF SHERWOOD BEARS NO LIABILITY FOR THE CONTRACTOR'S IMPLEMENTATION OF THIS TRAFFIC CONTROL PLAN.

## SANITARY SEWER NOTES - GENERAL

1. SANITARY SEWER PIPE MATERIAL SHALL BE AS NOTED ON PLANS AND CONFORM TO THE REQUIREMENTS BELOW.
2. SANITARY SEWER MATERIALS AND TESTING SHALL MEET CLEAN WATER SERVICES (CWS) DESIGN AND CONSTRUCTION SPECIFICATIONS AND THE CITY OF SHERWOOD'S ENGINEERING DESIGN MANUAL.
3. ALL SANITARY SERVICE STUB OUTS SHALL EXTEND A MINIMUM OF THREE FEET (3') BEYOND EASEMENT OR RIGHT-OF-WAY LINE AND BE MARKED WITH A PRESSURE TREATED 2 X 4. THE TOP 12" SHALL BE PAINTED GREEN AND LABELED "SS" FOR FUTURE LOCATION. THE 2 X 4 SHALL BE MARKED WITH DETECTABLE UNDERGROUND MAGNETIC TAPE GREEN IN COLOR AND BE MARKED "CAUTION SEWER BURIED BELOW". THE MAGNETIC TAPE SHALL BE PLACED FROM THE MAIN PIPELINE TO THE END OF THE SIDE LATERAL WITH 18" OF SEPARATION BETWEEN THE TAPE AND PIPE. THE SERVICE LATERAL SHALL ALSO HAVE TRACER WIRE INSTALLED. THE TRACER WIRE SHALL BE 12-GAGE STRANDED COPPER WIRE WITH GREEN HMW-PE INSULATION. TRACER WIRE SHALL RUN TO THE TOP OF THE 2 X 4 MARKER. STORM SERVICE STUB OUTS TO BE A MINIMUM OF 4-INCH DIAMETER PIPE AND HAVE A MINIMUM SLOPE OF 2%.
4. ALL SANITARY SEWER LINES SHALL BE VIDEO INSPECTED BY THE CONTRACTOR AND HAVE A MANDREL PASSED THROUGH TO CHECK DEFLECTION. TESTING AND INSPECTION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE CODES. THIS WILL BE WITNESSED BY THE CITY. MINIMUM 48 HR NOTICE IS REQUIRED. CITY WITNESSED VIDEO INSPECTION SHALL OCCUR AFTER THE PLACEMENT OF ASPHALT. CITY STRONGLY ENCOURAGES VIDEO INSPECTION BY THE DEVELOPER AND/OR CONTRACTOR PRIOR TO ASPHALT PLACEMENT. SHOULD CONTRACTOR OR DEVELOPER HAVE QUESTIONS REGARDING SPECIFIC SECTIONS OF PRE-ASPHALT VIDEO, CITY INSPECTOR SHALL PROVIDE A RECOMMENDATION UPON THE ACCEPTABILITY OF THE SECTION IN QUESTION.
5. ALL SANITARY SEWER LINES SHALL BE AIR TESTED. ALL MANHOLES SHALL BE HYDROSTATICALLY TESTED OR VACUUM TESTED. TESTING AND INSPECTION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE CODES. THIS WILL BE WITNESSED BY THE CITY. MINIMUM 48 HOUR NOTICE IS REQUIRED.
6. ANY NEW LATERAL TAPS INTO AN EXISTING SANITARY SEWER WILL REQUIRE VIDEO INSPECTION OF THAT EXISTING SEWER.

## STORM SEWER NOTES - GENERAL

1. STORM SEWER PIPE SHALL BE AS NOTED ON PLANS AND CONFORM TO THE REQUIREMENTS BELOW.
2. STORM SEWER MATERIALS AND TESTING SHALL MEET CLEAN WATER SERVICES (CWS) DESIGN AND CONSTRUCTION SPECIFICATIONS AND THE CITY OF SHERWOOD'S ENGINEERING DESIGN MANUAL.
3. ALL STORM SERVICE STUB OUTS SHALL EXTEND A MINIMUM OF THREE FEET (3') BEYOND EASEMENT OR RIGHT-OF-WAY LINE AND BE MARKED WITH A PRESSURE TREATED 2" X 4". THE TOP 12" SHALL BE PAINTED WHITE AND LABELED "ST" FOR FUTURE LOCATION. THE 2" X 4" SHALL BE MARKED WITH DETECTABLE UNDERGROUND MAGNETIC TAPE GREEN IN COLOR AND BE MARKED "CAUTION STORM DRAIN BURIED BELOW". THE MAGNETIC TAPE SHALL BE PLACED FROM THE MAIN PIPELINE TO THE END OF THE SIDE LATERAL WITH 18" OF SEPARATION BETWEEN THE TAPE AND PIPE. THE SERVICE LATERAL SHALL ALSO HAVE TRACER WIRE INSTALLED. THE TRACER WIRE SHALL BE 12-GAGE STRANDED COPPER WIRE WITH WHITE HMW-PE INSULATION. TRACER WIRE SHALL RUN TO THE TOP OF THE 2 X 4 MARKER. STORM SERVICE STUB OUTS TO BE A MINIMUM OF 4-INCH DIAMETER PIPE AND HAVE A MINIMUM SLOPE OF 2%.
4. ALL STORM SEWER LINES SHALL BE VIDEO INSPECTED BY THE CONTRACTOR. TESTING AND INSPECTION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE CODES. THIS WILL BE WITNESSED BY THE CITY. MINIMUM 48 HOUR NOTICE IS REQUIRED. CITY WITNESSED VIDEO INSPECTION SHALL OCCUR AFTER THE PLACEMENT OF ASPHALT. CITY STRONGLY ENCOURAGES VIDEO INSPECTION BY THE DEVELOPER AND/OR CONTRACTOR PRIOR TO ASPHALT PLACEMENT. SHOULD CONTRACTOR OR DEVELOPER HAVE QUESTIONS REGARDING SPECIFIC SECTIONS OF PRE-ASPHALT VIDEO, CITY INSPECTOR SHALL PROVIDE A RECOMMENDATION UPON THE ACCEPTABILITY OF THE SECTION IN QUESTION.
5. ALL STORM SEWER LINES SHALL HAVE A MANDREL PASSED THROUGH TO CHECK DEFLECTION. THIS WILL BE WITNESSED BY THE CITY. MINIMUM 48 HOUR NOTICE IS REQUIRED.
6. ANY NEW LATERAL TAPS INTO AN EXISTING STORM SEWER WILL REQUIRE VIDEO INSPECTION OF THAT EXISTING SEWER.

## WATER SYSTEM NOTES - GENERAL

1. ALL WORK AND MATERIALS SHALL COMPLY WITH ALL APPLICABLE CITY CODES AND STANDARDS, THE OREGON STATE HEALTH DIVISION ADMINISTRATION RULES, A.W.W.A. STANDARDS, A.P.W.A. STANDARDS, AND CITY OF SHERWOOD ENGINEERING DESIGN AND DETAILS MANUAL.
2. ALL PIPE SHALL HAVE MINIMUM COVER OF THREE- FEET BELOW THE FUTURE FINISHED GRADES IN EASEMENTS AND STREET RIGHT-OF-WAYS.
3. ALL VALVES SHALL BE PER CITY OF SHERWOOD WATER SYSTEM STANDARDS AND CITY CODES, STANDARD DETAILS, AND DRAWINGS.
4. ALL FIRE HYDRANTS SHALL BE PER CITY WATER SYSTEM STANDARDS AND CITY CODES, STANDARD DETAILS, AND DRAWINGS.
5. ALL TEES, ELBOWS, BENDS, AND BLOW-OFF LOCATIONS SHALL, UNLESS OTHERWISE NOTED, HAVE A POURED-IN-PLACE CONCRETE THRUST BLOCK PER CITY OF SHERWOOD STANDARDS.
6. ALL SANITARY SEWER LINES WITHIN 10 FEET LATERALLY OR 18 INCHES VERTICALLY OF A WATER MAIN SHALL BE ENCASED IN CONCRETE, OR CONSTRUCTED OF DUCTILE IRON PIPE WITH WATERTIGHT JOINTS.
7. ANY CROSSING OF WATER MAIN BY SANITARY SEWER SHALL BE MADE AT APPROXIMATELY 90 DEGREES AND HAVE 18 INCHES OF VERTICAL CLEARANCE OR SANITARY SEWER SHALL BE CONSTRUCTED OF DUCTILE IRON WATER PIPE WITH WATERTIGHT JOINTS FOR A DISTANCE OF 9 FEET FROM BOTH SIDES OF THE WATER LINE AND ENCASED IN CONCRETE.
8. JOINT DEFLECTION ALLOWED ONLY WITH THE APPROVAL OF THE PROJECT ENGINEER AND INSPECTOR AND BE PER CITY OF SHERWOOD STANDARDS.
9. OREGON HEALTH AUTHORITY BACTERIOLOGICAL TESTS SHALL BE TAKEN BY THE CITY OF SHERWOOD.
10. HYDROSTATIC TESTS SHALL CONFORM WITH ALL APPLICABLE CODES AND BE MONITORED BY THE INSPECTOR OR PROJECT ENGINEER.
11. DISINFECTION: PIPELINES SHALL BE FLUSHED AND DISINFECTED BEFORE PLACING INTO SERVICE, AFTER PERFORMING HYDROSTATIC TESTING. DISINFECTION SHALL CONFORM WITH ALL APPLICABLE CODES. DISCHARGING OF THE HIGHLY CHLORINATED WATER USED FOR DISINFECTION SHALL NOT BE DISCHARGED INTO SURFACE WATERS. APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS CONCERNING DISCHARGE SHALL BE FOLLOWED. TESTING AND INSPECTION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE CODES.
12. PRIOR TO TAPPING INTO EXISTING WATER MAINS, THE CONTRACTOR WILL CONTACT THE CITY OF SHERWOOD WATER DEPARTMENT INSPECTOR.
13. OPERATION OF WATER VALVES BY CONTRACTOR IS PROHIBITED.
14. CONTRACTOR SHALL NOT BACKFILL TRENCH UNTIL WATER LINE INSPECTION IS APPROVED.
15. CONTACT RICH SATTLER AT (503) 925-2319, CITY OF SHERWOOD PUBLIC WORKS, A MINIMUM OF 48 HOURS IN ADVANCE TO SCHEDULE WATER LINE INSPECTIONS.
16. NEW FIRE HYDRANTS TO HAVE STORZ QUICK ADAPTER ON 4 ½ " PORT.
17. INSTALL BLUE REFLECTOR AT CENTER LINE OF ROADWAY(S) PERPENDICULAR TO FIRE HYDRANT.
18. ALL WATER LINE JOINTS SHALL BE RESTRAINED.
19. WATER METER TO HAVE 3' MINIMUM CLEARANCE TO LIGHT POLES, TREES, SIGNS, OTHER UTILITIES, ETC.