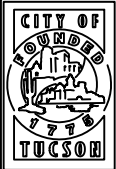



1. ALL DESIGN STANDARDS, MATERIALS AND WORKMANSHIP FOR PUBLIC SANITARY SEWERS ARE TO BE IN ACCORDANCE WITH THE LATEST EDITION OF THE PIMA COUNTY WASTEWATER MANAGEMENT DEPARTMENT'S (PCWMD) MANUAL OF ENGINEERING STANDARDS AND PROCEDURES, AND THE PIMA COUNTY / CITY OF TUCSON STANDARD DETAILS AND SPECIFICATIONS FOR PUBLIC IMPROVEMENTS, SAID MANUALS ARE ON FILE AT PIMA COUNTY WASTEWATER MANAGEMENT OFFICES AT 201 N. STONE AVENUE, 8TH FLOOR.
2. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION REGULATIONS.
3. THE CONTRACTOR SHALL VERIFY LOCATIONS AND ELEVATIONS OF ALL EXISTING UTILITIES PRIOR TO ANY CONSTRUCTION. CALL "BLUE STAKE" 1-800-782-5348, A MINIMUM OF TWO (2) FULL WORKING DAYS PRIOR TO EXCAVATING.
4. ALL CHANGES THAT MIGHT AFFECT THE SEWERAGE SYSTEM (BOTH CONVEYANCE AS WELL AS TREATMENT) SHALL BE APPROVED BY THE PIMA COUNTY WASTEWATER MANAGEMENT DEPARTMENT PRIOR TO THEIR CONSTRUCTION.
5. THE CONTRACTOR SHALL FIELD VERIFY EXISTING SEWER ELEVATIONS AND ALIGNMENTS PRIOR TO CONSTRUCTION AND IMPLEMENTATION. VERIFICATION MAY REQUIRE POT-HOLING.
6. ALL ROUGH GRADING SHALL BE COMPLETE PRIOR TO THE INSTALLATION OF SEWERS, INCLUDING FILL, TO A MINIMUM OF 4 FEET (1.2 m) OVER THE TOP OF SEWER PIPE, AND COMPACTION AS INDICATED ON THE PLANS OR AS OTHERWISE DIRECTED BY PCWMD.
7. WHERE CONNECTIONS TO EXISTING MANHOLES ARE TO BE MADE, THE CONTRACTOR SHALL CONSTRUCT NEW INVERTS IN THE EXISTING BENCH TO SMOOTHLY DIRECT THE FLOW IN THE PROPER DIRECTION.
8. THE CONTRACTOR SHALL FURNISH, OPERATE AND MAINTAIN ALL EQUIPMENT NECESSARY TO PROVIDE CONTINUOUS 24 HR./DAY SEWER SERVICE TO ALL PARTIES TRIBUTARY TO A LIVE SEWER TO WHICH A CONNECTION IS TO BE MADE. NOTIFY THE PIMA COUNTY WASTEWATER MANAGEMENT DEPARTMENT'S COLLECTION SYSTEM MAINTENANCE SECTION AT (326-4333) 48 HOURS PRIOR TO STARTING ANY CONSTRUCTION THAT COULD EITHER ADVERSELY IMPACT THE FLOW WITHIN A LIVE SEWER, OR INVOLVE CONNECTION TO A SEWER FIFTEEN (15) INCHES (375 mm) IN DIAMETER OR LARGER.
9. SEWER CONSTRUCTION SHALL START AT THE LOWEST DOWNSTREAM POINT AND PROGRESS UPSTREAM, REGARDLESS OF THE STATIONING SHOWN ON THE PLANS.
10. THE CONTRACTOR SHALL MAKE FULL PAYMENT OF THE INVOLVED INSPECTION FEES AND OBTAIN A WASTEWATER MANAGEMENT SEWER CONSTRUCTION PERMIT FROM THE PIMA COUNTY DEVELOPMENT SERVICES DEPARTMENT (PLANNING, 740-6586) A MINIMUM OF THREE FULL WORKING DAYS PRIOR TO STARTING ANY SEWER CONSTRUCTION. THREE COPIES OF THE CONSTRUCTION PLANS AND SPECIFICATIONS ARE REQUIRED TO BE SUBMITTED WITH THE SEWER CONSTRUCTION PERMIT APPLICATION.
11. DUCTILE IRON PIPE 6" (150 mm) AND GREATER IN DIAMETER, FITTINGS AND METAL COUPLINGS SHALL HAVE BOTH POLYETHYLENE OR HYBRID NOVOLAC EPOXY INTERIOR LINING AND A POLYETHYLENE EXTERIOR WRAPPING OR APPROVED EQUALS. PIPES MADE FROM UNLIKE MATERIALS SHALL BE COUPLED TOGETHER IN ACCORDANCE WITH STANDARD DETAIL WWM 103.

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12. THE HORIZONTAL DISTANCE BETWEEN A PUBLIC WATER PIPE AND A SEWER MAIN SHALL NOT BE LESS THAN SIX (6) FEET (1.8 m). VERTICAL CLEARANCE BETWEEN WATER AND SEWER LINES SHALL BE A MINIMUM OF 24 INCHES (610 mm). (IF THESE CRITERIA CANNOT BE MET, DESIGN CHANGES SHALL BE REQUIRED.) REFER TO STANDARD DETAIL WWM 108.
13. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ADJUST ALL SANITARY SEWER MANHOLE STRUCTURES TO FINISHED GRADE. ALL RING AND COVER ADJUSTMENTS ARE TO BE IN ACCORDANCE WITH PIMA COUNTY/CITY OF TUCSON STANDARD DETAILS FOR PUBLIC IMPROVEMENTS WWM 304, WWM 305 OR WWM 306 (AS APPLICABLE) AND WWM 307. WHILE ADJUSTING THE MANHOLE TO FINISHED GRADE, IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT RINGS AND COVERS ARE CLEANED OF ANY AND ALL ATTACHED MATERIALS (ASPHALT, CONCRETE, ETC.) AND ENSURE THAT ANY VENT HOLES ARE OPEN AND CLEAR OF OBSTRUCTIONS. IF THE FRAME AND COVER ARE DAMAGED AND CANNOT BE COMPLETELY CLEANED, THEN A NEW FRAME AND COVER IS TO BE PUT INTO PLACE, AND COSTS ASSOCIATED WITH THESE ACTIONS ARE THE RESPONSIBILITY OF THE CONTRACTOR. REFER TO DETAILS WWM 213.0-214.3 FOR REQUIREMENTS FOR RINGS AND COVERS.
14. IMMEDIATELY REPORT ANY RELEASE OF SEWAGE, AND/OR ANY DAMAGE TO, OR THE DROPPING OF DEBRIS INTO, THE PUBLIC SANITARY SEWAGE CONVEYANCE SYSTEM TO EITHER PCWMD FIELD ENGINEERING (740-2651) OR PCWMD FIELD OPERATIONS (326-4333). ON WEEKENDS, HOLIDAYS, OR BETWEEN 5:00 PM AND 8:00 AM, IMMEDIATELY CALL PIMA COUNTY SHERIFF'S COMMUNICATION CENTER AT 295-685 OR CALL 791-4011 AND REQUEST A PCWMD REPRESENTATIVE TO BE DISPATCHED TO THE SITE. TAKE IMMEDIATE ACTION TO PREVENT OR CONTAIN THE SANITARY SEWAGE OVERFLOW (SSO) FROM THE SEWER SYSTEM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS TO REPAIR THE SYSTEM, FOR ALL EXPENSES TO MITIGATE THE RELEASE AND TO DISINFECT THE RELEASE AREAS, AND FOR ANY REGULATORY PENALTIES LEVIED ON PCWMD BECAUSE THE SSO ENTERED A NATURAL OR CONSTRUCTED STORM WATER DRAINAGE SYSTEM. THE CONTRACTOR SHALL REPAIR ALL DAMAGE AS DIRECTED AND APPROVED BY PCWMD.
15. REFER TO DETAIL WWM A-5 FOR FLOW MANAGEMENT PLAN REQUIREMENTS.
16. REFER TO STANDARD SPECIFICATION SUBSECTION 508-3.05 (E) FOR ALIGNMENT VERIFICATION REQUIREMENTS INCLUDING THE SPACING REQUIREMENTS FOR GRADE STAKES.
17. THE CHECKING OF THE CONTRACTOR'S WORK BY AGENCY AND/OR PCWMD STAFF SHALL IN NO WAY RELIEVE THE CONTRACTOR OF RESPONSIBILITY FOR CONFORMANCE WITH THE PLANS AND SPECIFICATIONS. IF THE ENGINEER OR PCWMD INSPECTOR FAIL TO POINT OUT A DEFECT, DEFICIENCY OR ERROR IN THE WORK FROM LACK OF DISCOVERY OR FOR ANY REASON, IT SHALL IN NO WAY PREVENT LATER REJECTION OR CORRECTIONS TO THE UNSATISFACTORY WORK WHEN DISCOVERED. THE CONTRACTOR SHALL HAVE NO CLAIM FOR LOSSES SUFFERED DUE TO ANY NECESSARY REMOVALS OR REPAIRS RESULTING FROM THE UNSATISFACTORY WORK.

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