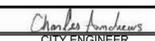


<p>1. ALL CONSTRUCTION SHALL CONFORM TO MARICOPA ASSOCIATION OF GOVERNMENTS (MAG) & CITY OF PRESCOTT (COP) CONSTRUCTION STANDARDS & SPECIFICATIONS, LATEST REVISIONS UNLESS SPECIFICALLY APPROVED BY THE CITY AND MODIFIED ON THE PLANS IN CONJUNCTION WITH THE LATEST REVISIONS OF THE CITY OF PRESCOTT STANDARD SPECIFICATIONS AND DETAILS (MAG STANDARDS), UNLESS SPECIFICALLY MODIFIED ON THE PLANS.</p> <p>2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE ACCURACY OF THE MAG AND CITY OF PRESCOTT STANDARDS AND SPECIFICATIONS AS WELL AS ALL OTHER STANDARDS AND SPECIFICATIONS APPLICABLE TO THESE PLANS.</p> <p>3. ALL PLANS SIGNED BY THE CITY ENGINEER ARE NULL AND VOID ONE YEAR FROM DATE OF SIGNATURE UNLESS MORE STRINGENT THAN THE MAG OR CITY OF PRESCOTT STANDARD SPECIFICATIONS.</p> <p>4. QUANTITIES SHOWN ON THE PLANS ARE APPROXIMATE. ARE NOT VERIFIED BY THE PUBLIC WORKS DIRECTOR AND ARE FURNISHED SOLELY FOR THE CONTRACTOR'S CONVENIENCE. THEY DO NOT NECESSARILY CORRESPOND TO BID SCHEDULE ITEMS. PAYMENT SHALL BE BASED ON QUANTITIES SHOWN ON THE PLANS UNLESS OTHERWISE NOTED. THE CONTRACTOR SHALL NOT BE RELIEVED OF HIS RESPONSIBILITY FOR INDEPENDENTLY ESTIMATING WORK QUANTITIES PRIOR TO BIDDING.</p> <p>5. CITY OF PRESCOTT PUBLIC WORKS DEPARTMENT PERMITS WILL BE REQUIRED FOR ALL OFF-SITE CONSTRUCTION AND CONSTRUCTION WITHIN THE PUBLIC RIGHT OF WAY.</p> <p>6. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN, AT HIS OWN EXPENSE, SUCH PERMITS AS ARE REQUIRED FROM THE APPROPRIATE AGENCIES.</p> <p>7. THE PUBLIC WORKS DEPARTMENT SHALL BE NOTIFIED A MINIMUM OF 24 HOURS PRIOR TO BEGINNING ANY CONSTRUCTION SHALL BE NOTIFIED A MINIMUM OF 24 HOURS PRIOR TO ANY WORK PERFORMED WITHOUT THE KNOWLEDGE AND APPROVAL OF THE PUBLIC WORKS DIRECTOR AND/OR ALL WORK MATERIALS NOT IN CONFORMANCE WITH THE PLANS AND SPECIFICATIONS IS SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.</p> <p>8. THROUGHOUT THE PROJECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND MAINTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL AFFECTED AGENCIES.</p> <p>9. THE CONTRACTOR SHALL BE RESPONSIBLE AND SHALL NOT BE RELIEVED OF HIS RESPONSIBILITY FOR OBTAINING AND MAINTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL AFFECTED AGENCIES.</p> <p>10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND MAINTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL AFFECTED AGENCIES.</p> <p>11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND MAINTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL AFFECTED AGENCIES.</p> <p>12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND MAINTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL AFFECTED AGENCIES.</p> <p>13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND MAINTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL AFFECTED AGENCIES.</p> <p>14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND MAINTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL AFFECTED AGENCIES.</p> <p>15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND MAINTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL AFFECTED AGENCIES.</p> <p>16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND MAINTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL AFFECTED AGENCIES.</p> <p>17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND MAINTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL AFFECTED AGENCIES.</p> <p>18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND MAINTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL AFFECTED AGENCIES.</p>	<p>19. APPROVAL OF A PORTION OF THE WORK IN PROGRESS DOES NOT GUARANTEE ITS FINAL ACCEPTANCE. TESTING AND EVALUATION OF THE WORK SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.</p> <p>20. ALL PROVISIONS OF THE PRELIMINARY SOILS REPORT PREPARED BY THE CONTRACTOR OR OTHER ITEMS NOT RELATED DIRECTLY TO THE BASIC GRADING OPERATION DURING OPERATIONS.</p> <p>21. THIS WATER IS FOR GRADING PURPOSES ONLY. APPROVAL OF THIS PLAN DOES NOT CONSTITUTE APPROVAL OF ANY UTILITIES OR SIZE OR LOCATION OF ANY UTILITIES. SEWER AND WATER FACILITIES, BUILDING LOCATIONS, OFF-SITE DRAINAGE FACILITIES AND LANDSCAPE DESIGNATIONS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.</p> <p>22. REMOVAL OF STRUCTURES AND OBSTRUCTIONS AS NECESSARY TO COMPLETE THE WORK, OTHER THAN SPECIFICALLY SCHEDULED IN THE BID, IS NECESSARY TO THE CONTRACTOR. SEPARATE MEASUREMENT OF OR PAYMENT FOR UNSCHEDULED REMOVAL ITEMS WILL BE MADE.</p> <p>23. CLEANING AND GRUBBING IS CONSIDERED NECESSARY TO THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL AFFECTED AGENCIES.</p> <p>24. THE CONTRACTOR SHALL GUARD AGAINST DAMAGE DURING CONSTRUCTION TO EXISTING PROPERTIES AND IMPROVEMENTS, ANY ITEMS DAMAGED BY THE CONTRACTOR'S ACTIVITIES SHALL BE REPAIRED IN KIND OR BETTER AT THE CONTRACTOR'S EXPENSE.</p> <p>25. THE CONTRACTOR SHALL GUARD AGAINST DAMAGE DURING CONSTRUCTION TO EXISTING PROPERTIES AND IMPROVEMENTS, ANY ITEMS DAMAGED BY THE CONTRACTOR'S ACTIVITIES SHALL BE REPAIRED IN KIND OR BETTER AT THE CONTRACTOR'S EXPENSE.</p> <p>26. STREET AND TRAFFIC SIGNS SHALL BE RELOCATED BY THE CONTRACTOR IF NECESSARY, AT THE CONTRACTOR'S EXPENSE.</p> <p>27. BACKFILL COMPACTION SHALL BE TYPE 1 (MAG, SECTION 601) UNLESS OTHERWISE NOTED.</p> <p>28. AGGREGATE BASE COURSE SHALL NOT BE PLACED ON SUBGRADE UNTIL SUBGRADE REQUIREMENTS HAVE BEEN ACHIEVED.</p> <p>29. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND MAINTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL AFFECTED AGENCIES.</p> <p>30. ALL ASPHALT CONCRETE PAVEMENT SHALL BE PER APPLICABLE MAG SPECIFICATIONS AS AMENDED BY THE CITY OF PRESCOTT. ASPHALT CONCRETE MIX DESIGN SHALL BE SUBMITTED TO THE PUBLIC WORKS DIRECTOR FOR HIS REVIEW AND APPROVAL PRIOR TO START OF CONSTRUCTION.</p> <p>31. ALL UTILITIES FRAMES, COVERS, VALVE BOXES, MANHOLES, ETC. SHALL BE ADJUSTED TO FINISH ASPHALT GRADE AFTER COMPLETION OF SURFACE COURSE BY THE CONTRACTOR PER COP STANDARD DETAILS.</p> <p>32. ACCEPTANCE OF THE COMPLETED PAVING STRUCTURES WILL NOT BE GIVEN UNTIL REPRODUCIBLE FINISH GRADES HAVE BEEN OBTAINED BY THE CONTRACTOR AND APPROVED BY THE CITY ENGINEER.</p> <p>33. ALL CONCRETE TO BE AT LEAST 3000 PSI CLASS "A" PORTLAND CEMENT CONCRETE, UNLESS OTHERWISE SPECIFIED ON THE PLANS, SPECIFICATIONS, OR IN STANDARD DETAILS.</p> <p>34. EDGES OF CONCRETE STRUCTURES TO HAVE A 3/4" CHAMFER, UNLESS OTHERWISE SPECIFIED ON THE PLANS.</p> <p>35. CONCRETE SURFACES TO HAVE A BROOM FINISH UNLESS OTHERWISE NOTED ON THE PLANS.</p> <p>36. ALL EXPANSION JOINTS TO BE SEALED WITH "B" EXPANSION JOINT, PRE-FORMED JOINT FILLER AND SEALER IN ACCORDANCE WITH MAG SECTION 729.</p> <p>37. ALL DRIVEWAY ENTRANCES SHALL BE CONSTRUCTED OVER 6" THICK PORTLAND CEMENT CONCRETE PER SPECIFICATION 702 AND COMPACTED TO 90% OF STANDARD PROCTOR DENSITY, UNLESS OTHERWISE SPECIFIED.</p> <p>38. ALL DISTURBED FENCES SHALL BE REPLACED IN KIND. CONTRACTOR SHALL EXTEND FENCE TO THE PROPERTY LINE AND TO THE CORNER OR TO THE POINT OF BEGINNING OF THE PROPERTY LINE.</p> <p>39. MAILBOXES SHALL BE REMOVED AND REINSTALLED AS DIRECTED BY THE U.S. POSTAL SERVICE AND THE CITY OF PRESCOTT TEMPORARY LOCATIONS SHALL BE PER U.S.P.S.</p> <p>40. NO JOB WILL BE CONSIDERED COMPLETE UNTIL ALL CURBS, PAVEMENT, AND SIDEWALKS HAVE BEEN SWEET CLEAN OF ALL DIRT AND DEBRIS.</p> <p>41. THE CONTRACTOR SHALL WARRANT ALL WORK FOR A MINIMUM TWO YEAR PERIOD AFTER FORMAL ACCEPTANCE OF THE WORK BY THE CITY.</p>
COP STANDARD DETAIL	GENERAL NOTES
 CITY ENGINEER	REVISED: 07/16 DETAIL No: 101P

<p>1. ALL GRADING SHALL CONFORM TO THE CURRENT CITY ADOPTED EDITION OF THE INTERNATIONAL BUILDING CODE AND CITY OF PRESCOTT LAND DEVELOPMENT CODE (REFERENCE CITY OF PRESCOTT STANDARD SECTIONS).</p> <p>2. ALL PROVISIONS OF THE PRELIMINARY SOILS REPORT PREPARED BY THE CONTRACTOR OR OTHER ITEMS NOT RELATED DIRECTLY TO THE BASIC GRADING OPERATION DURING OPERATIONS.</p> <p>3. THIS WATER IS FOR GRADING PURPOSES ONLY. APPROVAL OF THIS PLAN DOES NOT CONSTITUTE APPROVAL OF ANY UTILITIES OR SIZE OR LOCATION OF ANY UTILITIES. SEWER AND WATER FACILITIES, BUILDING LOCATIONS, OFF-SITE DRAINAGE FACILITIES AND LANDSCAPE DESIGNATIONS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.</p> <p>4. CERTIFICATION FROM THE REGISTERED CIVIL ENGINEER AND SOILS GEOLOGICAL ENGINEER STATING THAT THE ROUGH GRADING HAS BEEN COMPLETED PER THE APPROVED PLAN AND A COMPACTION REPORT FROM THE SOILS ENGINEER ON ANY FILL AREAS THAT ARE REQUIRED SHALL BE PROVIDED PRIOR TO BUILDING PERMITS BEING ISSUED.</p> <p>5. PARTIES NAMED ON ADEQ'S NOTICE OF INTENT (NOI) ARE RESPONSIBLE FOR EROSION, DUST, MUD, SILT, DEBRIS AND TEMPORARY DRAINAGE CONTROL DURING GRADING OPERATIONS AND MAY BE REQUIRED TO PROVIDE A SWPPP.</p> <p>6. ANY ON-SITE RETAINING WALLS WILL REQUIRE APPROVAL AS PART OF THESE PLANS. ANY NECESSARY RETAINING WALLS ON THE PERMITS OF THIS SITE MAY BE REQUIRED TO BE PROVIDED AND APPROVED BY THE CITY BUILDING DEPARTMENT PRIOR TO THE START OF GRADING. A SEPARATE PLAN WITH REQUIRED STRUCTURAL CALCULATIONS MAY BE REQUESTED FOR RETAINING WALLS.</p> <p>7. ANY INFRASTRUCTURE CONSTRUCTED IN THE PUBLIC RIGHT OF WAY WILL REQUIRE SEPARATE PLAN APPROVAL AND INSPECTION FROM THE CITY ENGINEER.</p> <p>8. ANY WALLS, FENCES, STRUCTURES AND/OR APPURTENANCES ADJACENT TO THIS PROJECT SHALL BE PROTECTED IN PLACE. IF GRADING OPERATIONS DAMAGE OR ADVERSELY AFFECT THEM IN ANY WAY, THE CONTRACTOR AND/OR DEVELOPER IS RESPONSIBLE FOR WORKING OUT AN ACCEPTABLE SOLUTION TO THE PROTECTION OF THE AFFECTED PROPERTY OWNER(S).</p> <p>9. THE CONTRACTOR/DEVELOPER IS RESPONSIBLE FOR ENSURING THAT RETAINING WALLS AND OTHER STRUCTURES ARE PROTECTED. WALLS SHALL NOT BE CONSTRUCTED ON SITE AND OUTSIDE OF THE RIGHT OF WAY. THIS SHALL INCLUDE THE FOOTINGS.</p> <p>10. THE CONTRACTOR'S RESPONSIBILITY FOR ENSURING THAT COMPACTION HAS BEEN ACHIEVED SHALL BE LIMITED TO THE ENTIRE GRADING SITE IN ACCORDANCE WITH THE GENERAL METHOD OF FIELD TESTING PERFORMED. EACH TEST SHALL BE IDENTIFIED WITH THE METHOD OF TESTING, INCLUDING THE TYPE OF TEST, BUILDING SAND ONE OR NUCLEAR GAUGE, AND SHALL BE CERTIFIED BY THE SOILS ENGINEER.</p> <p>11. CITY APPROVAL OF PLANS DOES NOT RELIEVE THE DEVELOPER FROM THE RESPONSIBILITY OF OBTAINING AND MAINTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL AFFECTED AGENCIES.</p> <p>12. UPON REQUEST, THE REQUIRED PLAN REVISIONS SHALL BE PROMPTLY SUBMITTED TO THE CITY ENGINEER FOR APPROVAL.</p> <p>13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CALLING THE CITY ENGINEER'S OFFICE AT (927) 717-1140 FOR ANY REQUIRED CIVIL INSPECTION 24 HOURS PRIOR TO THE START OF GRADING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND MAINTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL AFFECTED AGENCIES.</p> <p>14. NO GRADING SHALL COMMENCE WITHOUT OBTAINING A GRADING PERMIT AND NOTIFYING THE CITY OF PRESCOTT OR DEVELOPER'S GRADING INSPECTOR TO SCHEDULE A PREGRADING MEETING TWO WORKING DAYS PRIOR TO THE START OF GRADING.</p> <p>15. PRIOR TO THE START OF GRADING ALL SWPPP MEASURES SHALL BE IN PLACE. ALL DEBRIS INCLUDING EXISTING STRUCTURES, FOOTINGS, FOUNDATION MATERIALS SHALL BE REMOVED FROM THE SITE TO THE SATISFACTION OF THE SOILS ENGINEER.</p> <p>16. THE EXPOSED SOILS SHALL THEN BE INSPECTED BY THE SOILS ENGINEER, AND ANY ADDITIONAL OVER-EXCAVATION SHALL THEN BE MADE IN ACCORDANCE WITH THE SOILS ENGINEER'S RECOMMENDATIONS AND AS CONTAINED IN THE SOILS REPORT.</p>	<p>17. THE EXPOSED SOILS SHALL THEN BE SCARIFIED TO PROVIDE A BOND WITH NEW FILL BROUGHT TO PROPER MOISTURE CONTENT AND COMPACTED TO AT LEAST 90% OF THE MAXIMUM DENSITY AS DETERMINED BY ASTM D1557-76 OR EQUIVALENT. CORRECTION SHALL BE MADE BY METHODS SPECIFIED BY THE SOILS ENGINEER. ROAD FROM SUBGRADE SHALL BE COMPACTED TO AT LEAST 95% STANDARD OR MODIFIED PER SOILS ENGINEER'S RECOMMENDATIONS.</p> <p>18. THE SOILS AND DESIGN ENGINEER OF RECORD SHALL ALSO BE RESPONSIBLE TO INSPECT, VERIFY AND REPORT THAT PROPER COMPACTION HAS BEEN OBTAINED BY EARTHWORK CONTRACTOR OR SUBCONTRACTOR AND PRIVATE UTILITY FRANCHISES CONCERNING UTILITY LINE BACKFILL TO INCLUDE ELECTRICAL, GAS, CABLE, FIBEROPTIC AND LANDSCAPE IRRIGATION. ADDITIONALLY, WATER MAINS SHALL BE TO BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH GENERAL ENGINEERING RECOMMENDATIONS SECTION AND DETAIL.</p> <p>19. AN AS-GRADED GRADING PLAN AND THE CERTIFICATION OF COMPLIANCE FORMS FOR SAID GRADING PLAN WITH THE PROPER STAMPS AND SIGNATURES ARE TO BE SUBMITTED TO THE CITY ENGINEER PRIOR TO RELEASE OF GRADING BOND AND PRIOR TO FINAL GRADING INSPECTOR BUILDING PAD CERTIFICATION SHALL BE SUBMITTED TO THE BUILDING DEPARTMENT WHEN REQUESTED.</p> <p>20. NO FILL SHALL BE PLACED UNTIL STRIPPING OF VEGETATION, REMOVAL OF UNSUITABLE SOILS, AND INSTALLATION OF SUBDRAINS (IF ANY) HAVE BEEN INSPECTED AND APPROVED BY THE SOILS ENGINEER.</p> <p>21. ENGINEER MUST SET GRADE STAKES FOR ALL DRAINAGE DEVICES AND OBTAIN INSPECTION BEFORE POURING.</p> <p>22. GRADING SHALL NOT BE STARTED WITHOUT FIRST NOTIFYING CITY PUBLIC WORKS INSPECTOR. PRE-GRADING MEETINGS ON THE SITE IS REQUIRED BEFORE BEGINNING GRADING ACTIVITIES BY THE FOLLOWING PEOPLE: PRESENT OWNER, GRADING CONTRACTOR, DESIGN CIVIL ENGINEER, SOILS ENGINEER, GEOLOGIST, PUBLIC WORKS INSPECTOR, AND WHEN REQUIRED, THE ARCHAEOLOGIST AND PALEONTOLOGIST. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL AFFECTED AGENCIES.</p> <p>23. ALL EXISTING FILLS SHALL BE APPROVED AND CERTIFIED BY THE SOILS ENGINEER OR INSPECTOR PRIOR TO PLACING ADDITIONAL FILLS.</p> <p>24. ALL TRENCH BACKFILLS SHALL BE TESTED AND APPROVED BY THE SOILS ENGINEER.</p> <p>25. THE COMPACTION REPORT AND APPROVAL FROM THE SOILS ENGINEER SHALL INDICATE THE TYPE OF FIELD TESTING PERFORMED. EACH TEST SHALL BE IDENTIFIED WITH THE METHOD OF TESTING, INCLUDING THE TYPE OF TEST, BUILDING SAND ONE OR NUCLEAR GAUGE, AND SHALL BE CERTIFIED BY THE SOILS ENGINEER.</p> <p>26. EXPORT SOILS MUST BE TRANSPORTED TO EACH DUMP OR TO A PERMITTED SITE.</p> <p>27. ALL EXISTING DRAINAGE COURSES THROUGH THIS SITE SHALL REMAIN OPEN UNTIL DRAINAGE INFRASTRUCTURE OR NATURAL DRAINAGE FEATURES OR WATER BODIES AND INCORPORATE AN IMPERMEABLE LINER TO CONTAIN THE REQUIRED VOLUME. ALL DRIED CONCRETE WASTE SHALL BE BROKEN INTO MANAGEABLE PIECES AND DISPOSED OF OFF-SITE AT AN APPROVED FACILITY.</p>
COP STANDARD DETAIL	GRADING AND DRAINAGE NOTES
 CITY ENGINEER	REVISED: 07/16 DETAIL No: 105P-1

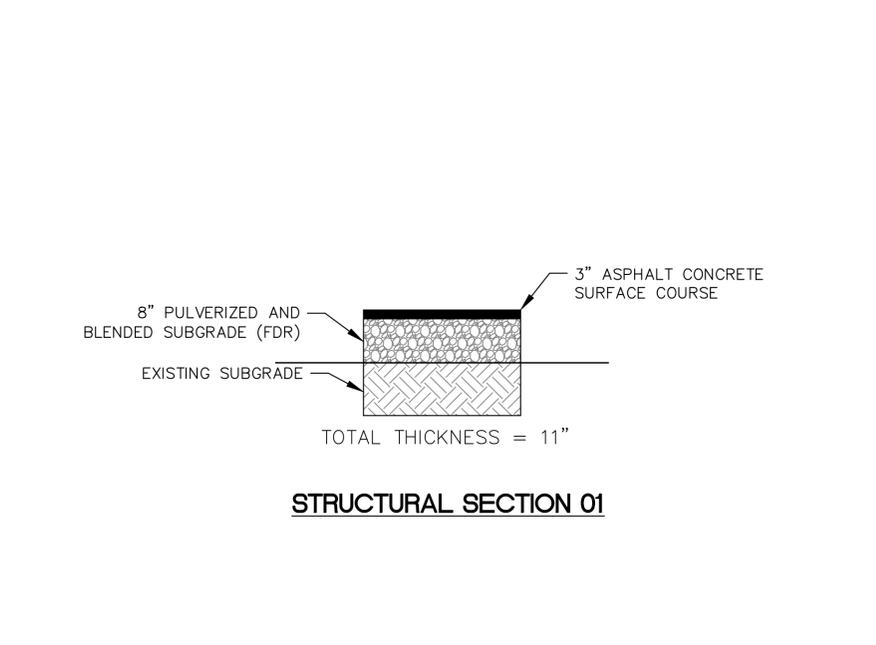
<p>1. A COPY OF THE APPROVED GRADING AND DRAINAGE PLAN FOR THIS PROJECT AND EROSION AND SEDIMENT CONTROL (ESC) PLAN OR STORM WATER POLLUTION PREVENTION PLAN (SWPPP) SHALL BE MAINTAINED ON THE SITE AND AVAILABLE FOR REVIEW. THOSE ELEMENTS OF THE GRADING AND DRAINAGE PLAN PERTINENT TO OR REFERENCED ON THE SWPPP SHALL BE CONSIDERED A PART OF THE SWPPP.</p> <p>2. THE ESC/SWPPP AND RELATED RECORDS MUST BE MADE AVAILABLE UPON REQUEST TO ADEQ AND THE CITY OF PRESCOTT.</p> <p>3. THE IMPLEMENTATION OF THESE PLANS AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF THESE FACILITIES IS THE RESPONSIBILITY OF THE PERMITTEE/CONTRACTOR UNTIL ALL CONSTRUCTION IS APPROVED AND A NOTICE OF TERMINATION HAS BEEN SUBMITTED.</p> <p>4. THE SCHEMATIC EROSION CONTROL MEASURES SHOWN ON THE PLANS ARE A MINIMUM. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY MEANS TO PROTECT EXISTING FACILITIES AND ADJACENT PROPERTIES FROM NOISE, DUST, AND STORM WATER RUNOFF THROUGHOUT CONSTRUCTION OF THE PROJECT AND BUILDINGS ON LOTS, AND SHALL CONDUCT HIS OPERATIONS IN SUCH A MANNER THAT STORM WATER WILL BE CONTAINED ON SITE OR CHANNELLED INTO A STORM DRAIN SYSTEM, PROVIDED THAT IT IS FREE FROM POLLUTANTS AND DEBRIS.</p> <p>5. CONTRACTOR SHALL PERMANENTLY STABILIZE ALL DISTURBED SLOPES AS STATED ON APPROVED CONSTRUCTION PLANS. ALL EROSION CONTROL STRUCTURES SHALL REMAIN IN PLACE UNTIL EXPOSED SLOPES HAVE BEEN PERMANENTLY STABILIZED.</p> <p>6. CONTRACTOR SHALL TAKE MEASURES TO PREVENT OR MINIMIZE THE GENERATION, EMISSION AND/OR TRANSPORT OF FUGITIVE DUST FROM CONSTRUCTION ACTIVITIES.</p> <p>7. THIS PLAN SHALL BE IN EFFECT UNTIL ALL DISTURBED AREAS ARE PERMANENTLY STABILIZED, TRANSFERRED TO NEW OWNERSHIP, OR DEVELOPED UNDER FUTURE PLANS WITH A NEW NOTICE OF INTENT (NOI), SWPPP, AND PERMIT. ONCE THE CONSTRUCTION ACTIVITIES HAVE BEEN COMPLETED AND THE SITE HAS MET THE FINAL STABILIZATION REQUIREMENTS OF THE PERMIT, THE AUTHORIZED SITE REPRESENTATIVE MAY FILE A NOTICE OF TERMINATION (NOT) WITH ADEQ, WITH A COPY SUBMITTED TO THE CITY OF PRESCOTT ENGINEERING DIVISION TO TERMINATE COVERAGE UNDER THE PERMIT.</p> <p>8. A CONCRETE WASHOUT SHALL BE INSTALLED FOR ALL PROJECTS THAT PROPOSE CONCRETE TO BE MIXED ON SITE OR DELIVERED FROM A BATCH PLANT. THE CONCRETE WASHOUT SHALL BE LOCATED A MINIMUM OF FIFTY (50) FEET FROM ANY DRAINAGE INFRASTRUCTURE OR NATURAL DRAINAGE FEATURES OR WATER BODIES AND INCORPORATE AN IMPERMEABLE LINER TO CONTAIN THE REQUIRED VOLUME. ALL DRIED CONCRETE WASTE SHALL BE BROKEN INTO MANAGEABLE PIECES AND DISPOSED OF OFF-SITE AT AN APPROVED FACILITY.</p>	<p>27. COVER EACH SEWER LINE WITH AT LEAST 3 FEET OF EARTH COVER MEETING THE REQUIREMENTS OF THE ENGINEER AND SANITARY SEWERS (MIM 104) REVISED 2004, PUBLISHED BY THE MARICOPA ASSOCIATION OF GOVERNMENTS & CITY OF PRESCOTT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND MAINTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL AFFECTED AGENCIES.</p> <p>28. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND MAINTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL AFFECTED AGENCIES.</p>
COP STANDARD DETAIL	EROSION AND SEDIMENTATION CONTROL NOTES
 CITY ENGINEER	REVISED: 07/16 DETAIL No: 105P-2

<p>1. ALL WORK SHALL CONFORM TO MARICOPA ASSOCIATION OF GOVERNMENTS (MAG) & CITY OF PRESCOTT (COP) CONSTRUCTION STANDARDS & SPECIFICATIONS, LATEST REVISIONS UNLESS SPECIFICALLY APPROVED BY THE CITY AND MODIFIED ON THE PLANS IN CONJUNCTION WITH THE LATEST REVISIONS OF THE CITY OF PRESCOTT STANDARD SPECIFICATIONS AND DETAILS (MAG STANDARDS), UNLESS SPECIFICALLY MODIFIED ON THE PLANS.</p> <p>2. ALL EXISTING FRAMES, COVERS, VALVE BOXES, & MANHOLES SHALL BE EITHER REPLACED OR ADJUSTED TO FINISH GRADE, DEPENDING ON PLAN CALL OUT, UPON COMPLETION OF PAVING, UTILITY, OR RELATED CONSTRUCTION.</p> <p>3. ANY QUANTITIES SHOWN ON PLANS ARE NOT VERIFIED BY THE PUBLIC WORKS UTILITIES DIRECTOR.</p> <p>4. ACCEPTANCE OF THE COMPLETED WORK WILL NOT BE GIVEN UNTIL 3 MIL MYLAR & CAD FORMAT DIGITAL AS-BUILT PLANS ON CITY OF PRESCOTT SURVEY DATUM & COORDINATES HAVE BEEN SUBMITTED & SEALED BY A REGISTERED PROFESSIONAL ENGINEER AND APPROVED BY THE PUBLIC WORKS DEPARTMENT.</p> <p>5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND MAINTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL AFFECTED AGENCIES.</p> <p>6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND MAINTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL AFFECTED AGENCIES.</p> <p>7. ANY WORK PERFORMED WITHOUT THE KNOWLEDGE OF THE CITY INSPECTOR OR HIS REPRESENTATIVE IS SUBJECT TO REMOVAL & REPLACEMENT AT THE CONTRACTOR'S EXPENSE.</p> <p>8. THE CONTRACTOR SHALL PROVIDE SUFFICIENT MEN, EQUIPMENT & MATERIAL ON THE JOB AT ALL TIMES DURING CONSTRUCTION TO COMPLETE THE WORK.</p> <p>9. INSPECTION TO BE DONE BY THE CITY OF PRESCOTT PUBLIC WORKS DEPARTMENT OR THEIR REPRESENTATIVE. PRIVATE DEVELOPMENTS SHALL PROVIDE FOR INDEPENDENT 3RD PARTY INSPECTIONS.</p> <p>10. CONTRACTOR TO NOTIFY PROJECT ENGINEER 72 HOURS (3 WORKING DAYS) IN ADVANCE OF CONSTRUCTION TO SCHEDULE CONSTRUCTION CONTROL STAKING.</p> <p>11. THE CONTRACTOR IS TO UNCOVER ALL EXISTING LINES BEING TIED INTO AND VERIFY GRADES, MATERIAL, SIZE & ELEVATIONS BEFORE COMMENCING CONSTRUCTION.</p> <p>12. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE ALL UNDERGROUND UTILITIES, TELEPHONE & ELECTRICAL CONDUITS & STRUCTURES IN ADVANCE OF ANY CONSTRUCTION & OBSERVE ALL POSSIBLE PRECAUTIONS TO AVOID ANY DAMAGE TO THE ENGINEER &/OR OWNER WILL NOT BE RESPONSIBLE FOR ANY LOCATIONS AS SHOWN ON THESE PLANS, OR THOSE OMITTED FROM THESE PLANS.</p> <p>13. CONTRACTOR SHALL NOTIFY "BLUE STAKE" AT 1-800-STAKEIT AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.</p> <p>14. CONTRACTOR SHALL VERIFY ALL QUANTITIES SHOWN & MAKE HIS BID BASED ON QUANTITIES SHOWN ON THE PLANS UNLESS OTHERWISE NOTED.</p> <p>15. ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY REQUIREMENTS MUST BE COMPLIED WITH.</p> <p>16. ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY REQUIREMENTS SHALL APPLY WHEN MORE STRINGENT THAN THE MAG OR CITY OF PRESCOTT STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.</p> <p>17. ALL PLANS SIGNED BY THE CITY ARE NULL & VOID ONE YEAR FROM DATE OF SIGNATURE IF CONSTRUCTION HAS NOT STARTED AND/OR IS NOT ACTIVELY PROGRESSING.</p> <p>18. PROJECT CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING TRAFFIC CONTROL PLANS WHICH SHALL BE MADE A PART OF THE PLAN REVIEW REQUEST TO THE CITY ENGINEER FOR APPROVAL.</p> <p>19. ALL MAIN LINES & APPURTENANCES SHALL BE PROVIDED WITH TRACE WIRE PER CITY STANDARD DETAIL. TRACE WIRE SHALL BE SUBJECT TO A TRANSLUENCY TEST. IF TRANSLUENCY TEST IS FAILING, ANY DEFICIENCIES SHALL BE CORRECTED PRIOR TO PAVING. THE TRACE WIRE SHOULD BE TESTED AND SUBMITTED AS A PART OF THE TESTING PACKET.</p> <p>20. WATER-SEWER SEPARATION SHALL BE PURSUANT TO AAC R-18-5-502C, IN ACCORDANCE WITH AWA C-800 STANDARD.</p> <p>21. WATER MAINS SHALL BE INSTALLED IN ACCORDANCE WITH AWA C-800 STANDARD.</p> <p>22. OPERATION OF VALVES TO BE DONE BY CITY PERSONNEL ONLY.</p> <p>23. DUCTILE IRON PIPE TO BE INSTALLED PER MANUFACTURER'S REQUIREMENTS. ALL MATERIALS USED IN THE INSTALLATION OF DUCTILE IRON PIPE SHALL BE PURSUANT TO AAC R-18-4.</p> <p>24. ALL MATERIALS & PRODUCTS THAT COME INTO CONTACT WITH DRINKING WATER OR DRINKING WATER TREATMENT CHEMICALS MUST COMPLY WITH NSF STANDARD 61. ANY OR EQUAL SUBSTITUTION SHALL ALSO MEET NSF STANDARD 61.</p> <p>25. ALL TRENCHES & BEDDING SHALL BE PER COP DETAIL 200P & TECHNICAL SPECIFICATIONS.</p> <p>26. ALL MATERIALS USED IN THE INSTALLATION OF WATER MAINS SHALL BE PURSUANT TO AAC R-18-4 & SHALL BE NSF APPROVED FOR POTABLE WATER.</p> <p>27. ALL REVISIONS TO ORIGINAL PLANS MUST BE APPROVED BY THE PUBLIC WORKS DIRECTOR PRIOR TO CONSTRUCTION.</p> <p>28. ALL DUCTILE IRON, COPPER, & BRASS FITTINGS SHALL BE ENCASED IN POLYETHYLENE GLYCOL (PE-GEL) IN ACCORDANCE WITH SECTION 610.0 UNLESS COUNTERINDICATED BY GEOTECHNICAL CORROSION TESTING REPORTS AND SHOWN ON THE PLANS OR APPROVED BY THE PUBLIC WORKS DIRECTOR.</p> <p>29. WATER LINES SHALL BE INSTALLED WITH MECHANICAL RESTRAINTS WHERE JOINT RESTRAINTS IS REQUIRED.</p> <p>30. WATER SERVICE INTERRUPTION NOTICES SHALL BE GIVEN TO AFFECTED RESIDENS BY THE CONTRACTOR AT HIS EXPENSE. ADVANCE NOTIFICATION TO SCHEDULING A SHUTDOWN.</p> <p>31. WATER MAINS SHALL BE INSTALLED WITH MECHANICAL RESTRAINTS WHERE JOINT RESTRAINTS IS REQUIRED.</p> <p>32. WATER MAINS SHALL BE INSTALLED WITH MECHANICAL RESTRAINTS WHERE JOINT RESTRAINTS IS REQUIRED.</p>	<p>25. ALL MATERIALS & PRODUCTS THAT COME INTO CONTACT WITH DRINKING WATER OR DRINKING WATER TREATMENT CHEMICALS MUST COMPLY WITH NSF STANDARD 61. ANY OR EQUAL SUBSTITUTION SHALL ALSO MEET NSF STANDARD 61.</p> <p>26. 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COP STANDARD DETAIL	WATER PLAN GENERAL NOTES
 CITY ENGINEER	REVISED: 07/16 DETAIL No: 103P

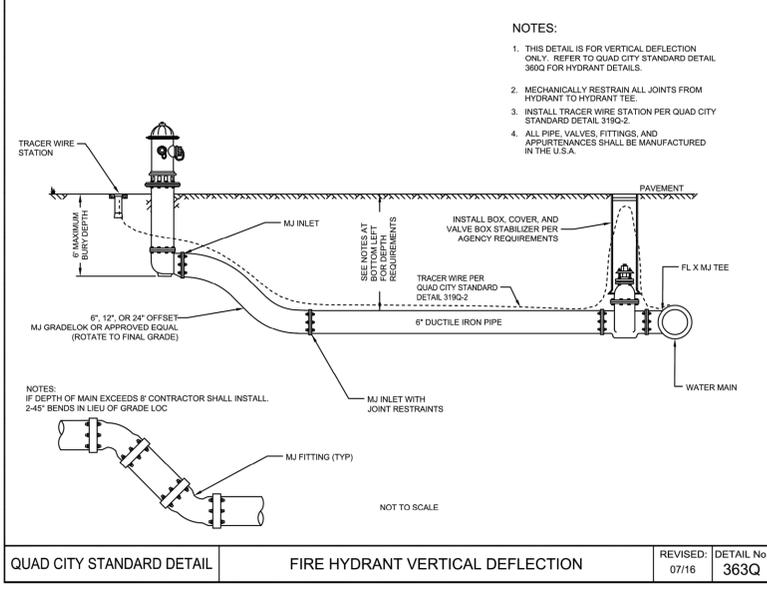
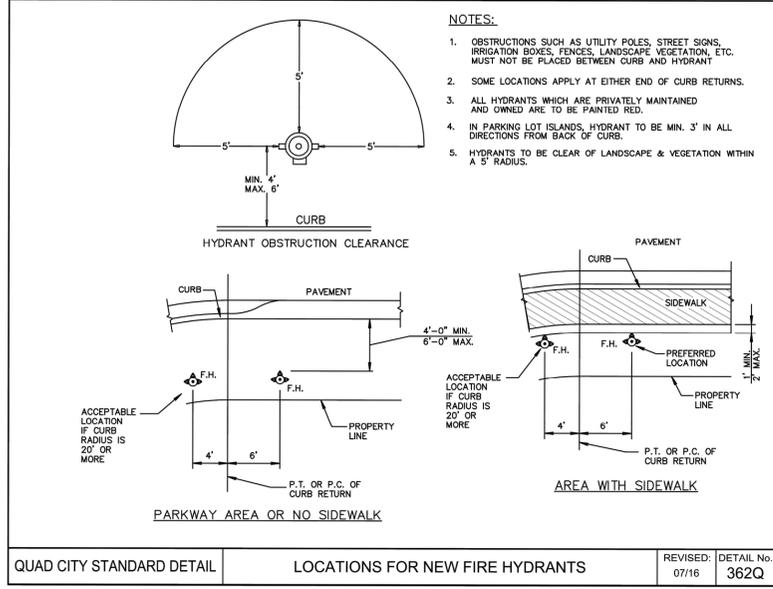
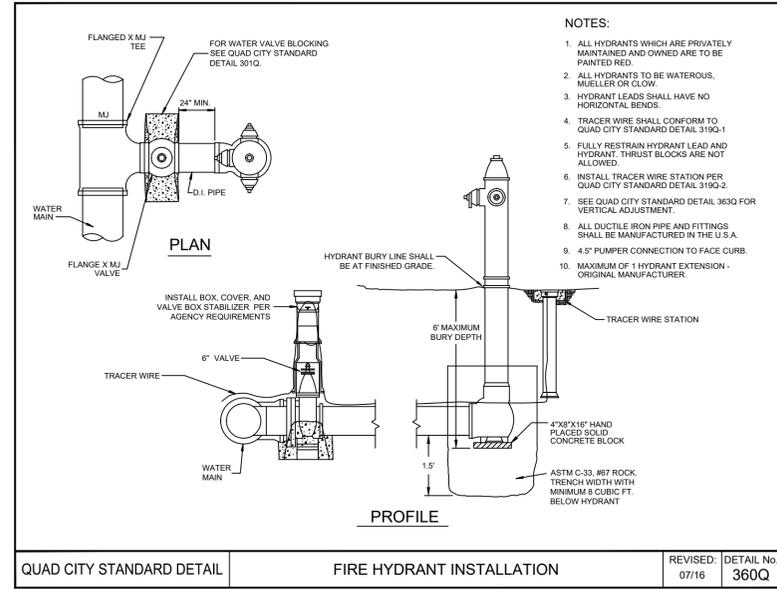
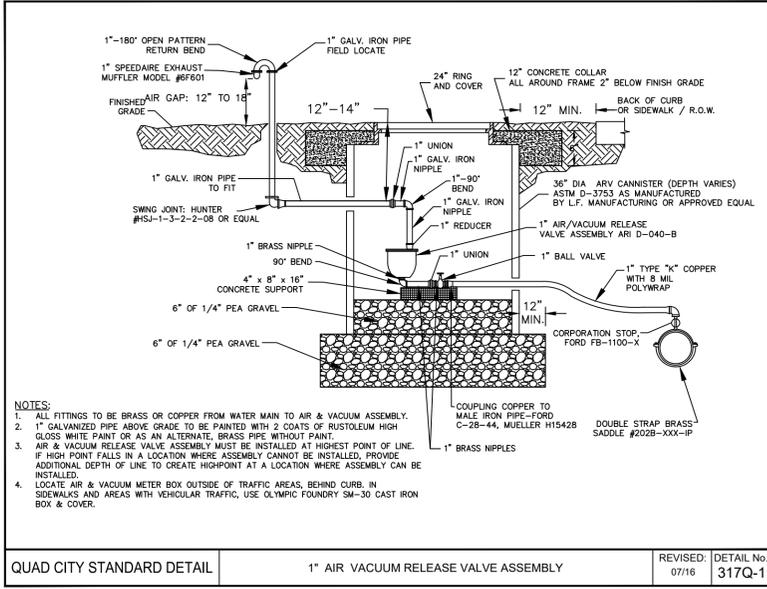
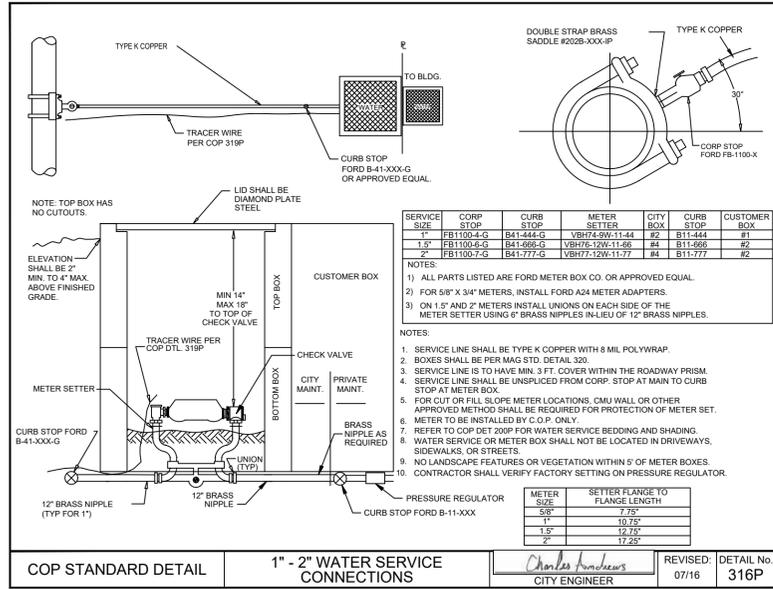
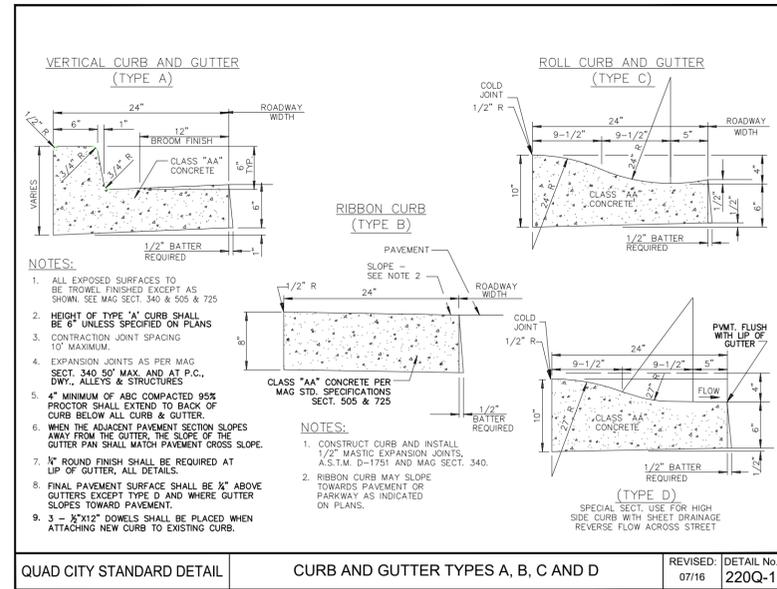
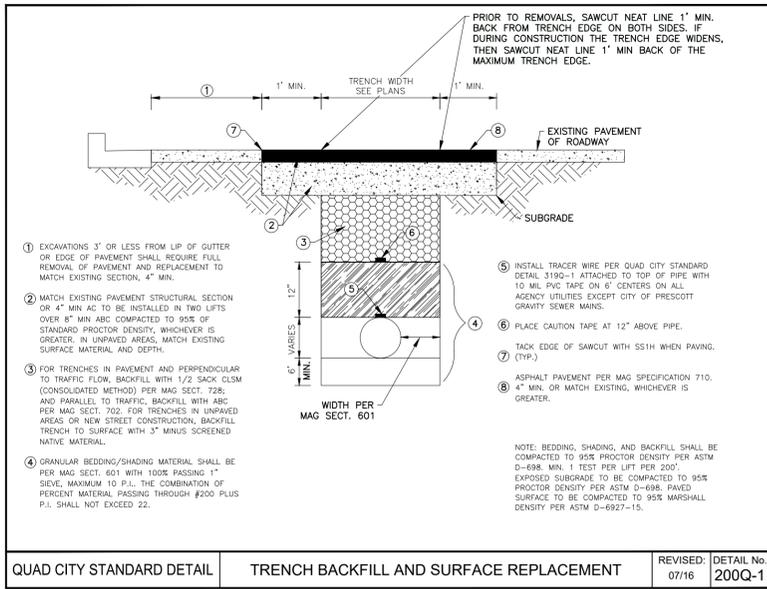
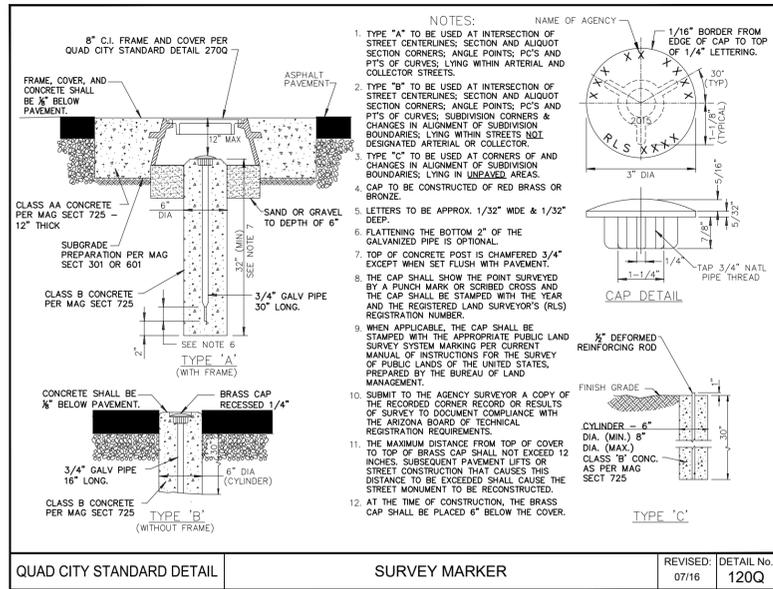
<p>1. ALL WORK SHALL CONFORM TO MARICOPA ASSOCIATION OF GOVERNMENTS (MAG) & CITY OF PRESCOTT (COP) CONSTRUCTION STANDARDS & SPECIFICATIONS, LATEST REVISIONS UNLESS SPECIFICALLY APPROVED BY THE CITY AND MODIFIED ON THE PLANS IN CONJUNCTION WITH THE LATEST REVISIONS OF THE CITY OF PRESCOTT STANDARD SPECIFICATIONS AND DETAILS (MAG STANDARDS), UNLESS SPECIFICALLY MODIFIED ON THE PLANS.</p> <p>2. ALL EXISTING FRAMES, COVERS, VALVE BOXES, & MANHOLES SHALL BE EITHER REPLACED OR ADJUSTED TO FINISH GRADE, DEPENDING ON PLAN CALL OUT, UPON COMPLETION OF PAVING, UTILITY, OR RELATED CONSTRUCTION.</p> <p>3. ANY QUANTITIES SHOWN ON PLANS ARE NOT VERIFIED BY THE PUBLIC WORKS UTILITIES DIRECTOR.</p> <p>4. ACCEPTANCE OF THE COMPLETED WORK WILL NOT BE GIVEN UNTIL 3 MIL MYLAR & CAD FORMAT DIGITAL AS-BUILT PLANS ON CITY OF PRESCOTT SURVEY DATUM & COORDINATES HAVE BEEN SUBMITTED & SEALED BY A REGISTERED PROFESSIONAL ENGINEER AND APPROVED BY THE PUBLIC WORKS DEPARTMENT.</p> <p>5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND MAINTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL AFFECTED AGENCIES.</p> <p>6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND MAINTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL AFFECTED AGENCIES.</p> <p>7. ANY WORK PERFORMED WITHOUT THE KNOWLEDGE OF THE CITY INSPECTOR OR HIS REPRESENTATIVE IS SUBJECT TO REMOVAL & REPLACEMENT AT THE CONTRACTOR'S EXPENSE.</p> <p>8. THE CONTRACTOR SHALL PROVIDE SUFFICIENT MEN, EQUIPMENT & MATERIAL ON THE JOB AT ALL TIMES DURING CONSTRUCTION TO COMPLETE THE WORK.</p> <p>9. INSPECTION TO BE DONE BY THE CITY OF PRESCOTT PUBLIC WORKS DEPARTMENT OR THEIR REPRESENTATIVE. PRIVATE DEVELOPMENTS SHALL PROVIDE FOR INDEPENDENT 3RD PARTY INSPECTIONS.</p> <p>10. CONTRACTOR TO NOTIFY PROJECT ENGINEER 72 HOURS (3 WORKING DAYS) IN ADVANCE OF CONSTRUCTION TO SCHEDULE CONSTRUCTION CONTROL STAKING.</p> <p>11. THE CONTRACTOR IS TO UNCOVER ALL EXISTING LINES BEING TIED INTO AND VERIFY GRADES, MATERIAL, SIZE & ELEVATIONS BEFORE COMMENCING CONSTRUCTION & OBSERVE ALL POSSIBLE PRECAUTIONS TO AVOID ANY DAMAGE TO THE ENGINEER &/OR OWNER WILL NOT BE RESPONSIBLE FOR ANY LOCATIONS AS SHOWN ON THESE PLANS, OR THOSE OMITTED FROM THESE PLANS.</p> <p>12. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE ALL UNDERGROUND UTILITIES, TELEPHONE & ELECTRICAL CONDUITS & STRUCTURES IN ADVANCE OF ANY CONSTRUCTION & OBSERVE ALL POSSIBLE PRECAUTIONS TO AVOID ANY DAMAGE TO THE ENGINEER &/OR OWNER WILL NOT BE RESPONSIBLE FOR ANY LOCATIONS AS SHOWN ON THESE PLANS, OR THOSE OMITTED FROM THESE PLANS.</p> <p>13. CONTRACTOR SHALL NOTIFY "BLUE STAKE" AT 1-800-STAKEIT AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.</p> <p>14. CONTRACTOR SHALL VERIFY ALL QUANTITIES SHOWN & MAKE HIS BID BASED ON QUANTITIES SHOWN ON THE PLANS UNLESS OTHERWISE NOTED.</p> <p>15. ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY REQUIREMENTS MUST BE COMPLIED WITH.</p> <p>16. ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY REQUIREMENTS SHALL APPLY WHEN MORE STRINGENT THAN THE MAG OR CITY OF PRESCOTT STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.</p> <p>17. ALL PLANS SIGNED BY THE CITY ARE NULL & VOID ONE YEAR FROM DATE OF SIGNATURE IF CONSTRUCTION HAS NOT STARTED AND/OR IS NOT ACTIVELY PROGRESSING.</p> <p>18. PROJECT CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING TRAFFIC CONTROL PLANS WHICH SHALL BE MADE A PART OF THE PLAN REVIEW REQUEST TO THE CITY ENGINEER FOR APPROVAL.</p> <p>19. WATER-SEWER SEPARATION SHALL BE PURSUANT TO AAC R-18-5-502C, IN ACCORDANCE WITH AWA C-800 STANDARD.</p> <p>20. WATER MAINS SHALL BE INSTALLED IN ACCORDANCE WITH AWA C-800 STANDARD.</p> <p>21. OPERATION OF VALVES TO BE DONE BY CITY PERSONNEL ONLY.</p> <p>22. DUCTILE IRON PIPE TO BE INSTALLED PER MANUFACTURER'S REQUIREMENTS. ALL MATERIALS USED IN THE INSTALLATION OF DUCTILE IRON PIPE SHALL BE PURSUANT TO AAC R-18-4.</p> <p>23. STANDARD TEST METHOD FOR INSTALLATION OF ACCEPTANCE OF PLASTIC GRAVITY SEWER LINES USING LOW-PRESSURE AIR, F1417-92 (1988), PUBLISHED BY THE AMERICAN SOCIETY FOR TESTING AND MATERIALS.</p>	<p>24. SEWER MANHOLES EXFILTRATION TESTS SHALL BE DONE ON 100% OF ALL MANHOLES. VACUUM TESTING IN ACCORDANCE WITH CITY STANDARDS MAY BE USED IN LIEU OF EXFILTRATION TESTS. THE CONTRACTOR SHALL TEST EACH MANHOLE USING ONE OF THE FOLLOWING TEST PROCEDURES:</p> <p>24A. WATER TIGHTNESS TESTING BY FILLING THE MANHOLE WITH WATER. THE CONTRACTOR SHALL ENSURE THAT THE DROP IN WATER LEVEL BETWEEN THE INITIAL AND FINAL TESTS IS NOT GREATER THAN 0.00034 OF THE TOTAL MANHOLE VOLUME PER HOUR.</p> <p>24B. NEGATIVE AIR PRESSURE TESTING USING THE "STANDARD TEST METHOD FOR CONCRETE SEWER MANHOLES BY NEGATIVE AIR PRESSURE" (VACUUM TEST) (D144-04/01/2002), PUBLISHED BY THE AMERICAN SOCIETY FOR TESTING AND MATERIALS. THIS MATERIAL IS INCORPORATED BY REFERENCE & DOES NOT HAVE ANY LATER AMENDMENTS OR REVISIONS OF THE INCORPORATED MATERIAL & MAY BE VIEWED AT THE ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY, 110 W. WASHINGTON PHOENIX, AZ 85007, OR OBTAINED FROM THE AMERICAN SOCIETY FOR TESTING AND MATERIALS INTERNATIONAL, 100 BAR HARBOR DRIVE, WEST CONSHOHOCKEN, PA 19428-2959.</p> <p>25. SEWER LINE DEFLECTION TESTS WITH AN APPROPRIATELY SIZED MANDREL SHALL BE DONE ON 100% OF ALL NON-RIGID PIPE LINES.</p> <p>26. THE CONTRACTOR MUST PERFORM A VISUAL INSPECTION OF ALL SEWER MAINS AND LATERALS INSTALLED WITHIN THE CITY'S COLLECTION SYSTEM UTILIZING A SEWER CCTV SYSTEM AFTER COMPLETE BACKFILL AND COMPACTION BUT BEFORE INSTALLING ANY PORT OF THE PAVEMENT STRUCTURE. THE INSPECTION SHALL COMPLY WITH THE CITY VIDEO ACCEPTANCE PROCEDURE. THE CONTRACTOR SHALL PROVIDE TRAFFIC ADVANCE NOTICE FOR CITY STAFF. BE PRESENT DURING THE VIDEO OPERATION AND SHALL PROVIDE THE CITY A VIDEO DVD AND HARD COPY OF THE INSPECTION REPORT UPON COMPLETION.</p> <p>27. COVER EACH SEWER LINE WITH AT LEAST 3 FEET OF EARTH COVER MEETING THE REQUIREMENTS OF THE ENGINEER AND SANITARY SEWERS (MIM 104) REVISED 2004, PUBLISHED BY THE MARICOPA ASSOCIATION OF GOVERNMENTS & CITY OF PRESCOTT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND MAINTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL AFFECTED AGENCIES.</p> <p>28. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND MAINTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL AFFECTED AGENCIES.</p>
COP STANDARD DETAIL	WASTEWATER PLAN GENERAL NOTES
 CITY ENGINEER	REVISED: 07/16 DETAIL No: 104P

ACRONYM / ABBREVIATION			
AB	AGGREGATE BASE	H	HEIGHT
ABC	AGGREGATE BASE COURSE	INV	INVERT
AC	ASPHALTIC CONCRETE	LI	LANDSCAPE ISLAND
BP	BEGIN PROJECT	LT	LEFT
C	CONCRETE	LF	LINEAR FEET
CL	CENTERLINE	M.A.G.	MARICOPA ASSOCIATION OF GOVERNMENTS
CONST	CONSTRUCTION	SM	SURVEY MARKER
COMM	COMMUNICATION	SS	SANITARY SEWER
DET	DETAIL	ST	STREET
DP	DRIVE PATH	STA	STATION
E	EASTING	STD	STANDARD
EA	EACH	STRUCT	STRUCTURAL
ELEV	ELEVATION	SW	SIDEWALK
EP	END PROJECT	TBC	TOP OF CURB
EXIST	EXISTING	TELE	TELEPHONE
FC	FACE OF CURB	TEMP	TEMPORARY
FH	FIRE HYDRANT	TOP	TOP OF PIPE
FL	FLOW LINE	TYP	TYPICAL
FT.	FEET		

LEGEND			
4"W	EXISTING 4" WATER LINE	⊗	PROPOSED WATER VALVE
8"W	EXISTING 8" WATER LINE	⊗	PROPOSED WATER METER
	EXISTING STORM DRAIN	⊗	PROPOSED FIRE HYDRANT
SS	EXISTING SANITARY SEWER LINE	⊗	EXISTING COMM STRUCTURE
CTV	EXISTING CABLE UTILITIES	⊗	EXISTING GAS METER
COM	EXISTING COMMUNICATION LINE	⊗	EXISTING TRANSFORMER
UE	EXISTING UNDERGROUND ELECTRIC	⊗	EXISTING WATER METER
UT	EXISTING UNDERGROUND UTILITY CONDUIT	⊗	EXISTING WATER VALVE
G	EXISTING GAS LINE	⊗	EXISTING FIRE HYDRANT
	PROPERTY LINE, R/W	⊗	EXISTING MANHOLE
	SETBACK/EASMENT	⊗	EXISTING ELECTRIC POLE
	SAWCUT LINE	⊗	EXISTING SIGN
4"W	PROPOSED 4" WATER LINE	⊗	EXISTING MAILBOX
8"W	PROPOSED 8" WATER LINE	⊗	SURVEY BENCHMARK



DWG. NO.: GN01 DATE: 08/27/2020 SHEET NO.: 02 OF 13	CITY OF PRESCOTT PUBLIC WORKS EQUESTRIAN WAY WATER MAIN GENERAL NOTES	PREPARED BY:  CHECKED BY: JTH ACB FOR: COP
CITY OF PRESCOTT <i>Everybody's Homeowner</i>	Registered Professional Engineer CERTIFICATE NO. 48841 ANDREW C. BAIRD One State Street, Suite 206 Phoenix, AZ 85004 WWW.KIMLEY-HORN.COM	NO. BY DATE ENGINEER REVISIONS REVIEW:



DWG. NO. DT01
DATE 08/27/2020
SHEET NO. 03 OF 13

CITY OF PRESCOTT PUBLIC WORKS

EQUESTRIAN WAY WATER MAIN GENERAL DETAILS

EQUESTRIAN WAY WATER MAIN REPLACEMENT

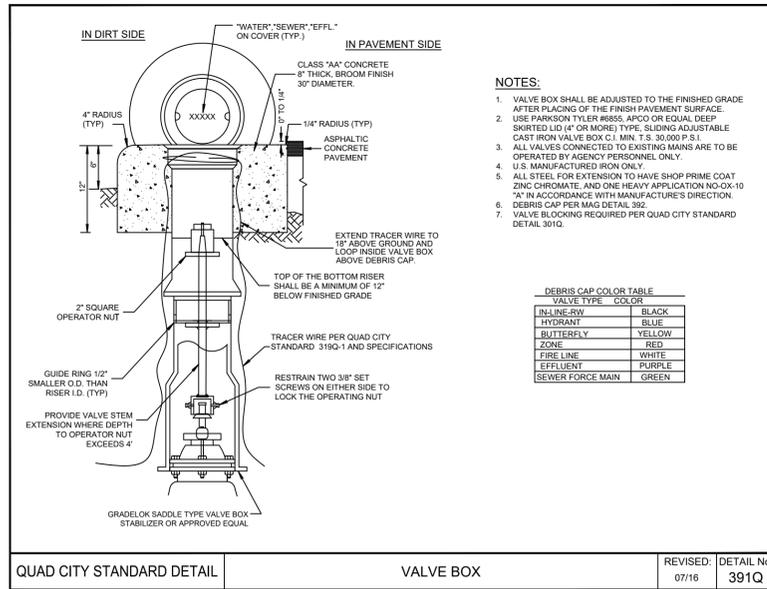
City of Prescott logo: *Everybody's HomeTown*

Professional Engineer Seal: 48841 ANDREW C. BAIRD

Kimley-Horn & Associates, Inc. logo: 200 S. KIMLEY-HORN & ASSOCIATES, INC. SUITE 206 201 N. MONTEZUMA, SUITE 201 PHOENIX, AZ 85004-2901 WWW.KIMLEY-HORN.COM

NO.	BY	DATE	REVISIONS	APPRY	DATE	CITY

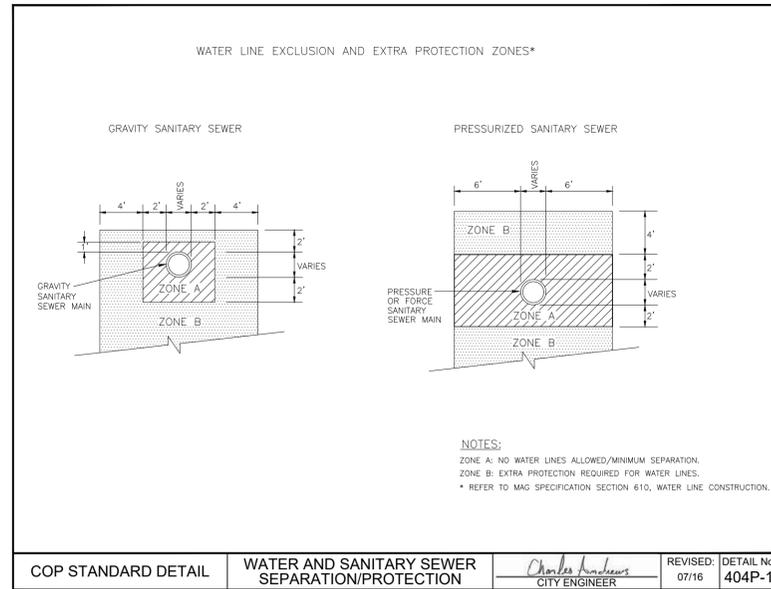
NO. BY DATE REVIEW: 20-015



- NOTES:**
1. VALVE BOX SHALL BE ADJUSTED TO THE FINISHED GRADE AFTER PLACING OF THE FINISH PAVEMENT SURFACE.
 2. USE PARKSON TYLER #8655, APCO OR EQUAL DEEP SKIRTED LID (4" OR MORE) TYPE, SLIDING ADJUSTABLE CAST IRON VALVE BOX (L. MIN. T.S. 30,000 P.S.I.).
 3. ALL VALVES CONNECTED TO EXISTING MAINS ARE TO BE OPERATED BY AGENCY PERSONNEL ONLY.
 4. U.S. MANUFACTURED IRON ONLY.
 5. ALL STEEL FOR EXTENSION TO HAVE SHOP PRIME COAT ZINC CHROMATE, AND ONE HEAVY APPLICATION NO-OX-10 "A" IN ACCORDANCE WITH MANUFACTURER'S DIRECTION.
 6. DEBRIS CAP PER MAG DETAIL 392.
 7. VALVE BLOCKING REQUIRED PER QUAD CITY STANDARD DETAIL 391Q.

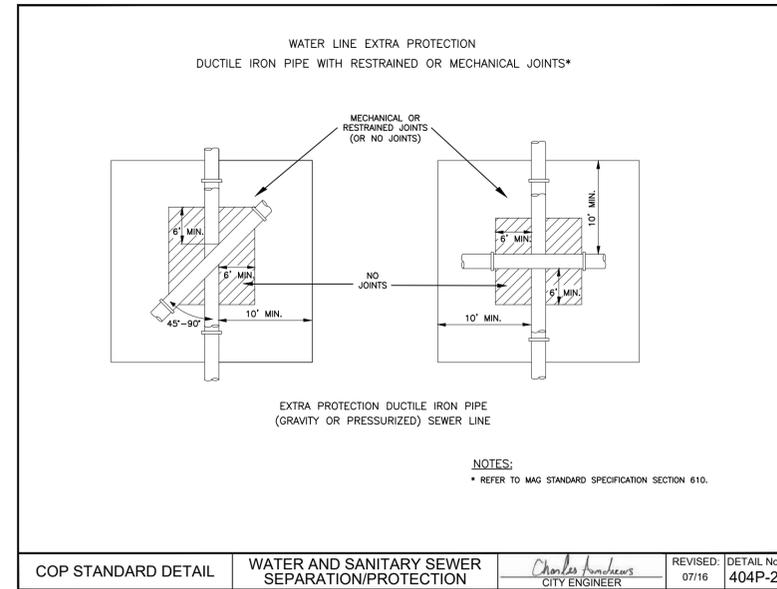
DEBRIS CAP COLOR TABLE	
VALVE TYPE	COLOR
INLINE-R/W	BLACK
HYDRANT	BLUE
BUTTERFLY	YELLOW
ZONE	RED
FIRE LINE	WHITE
EFFLUENT	PURPLE
SEWER FORCE MAIN	GREEN

QUAD CITY STANDARD DETAIL VALVE BOX REVISED: 07/16 DETAIL No. 391Q



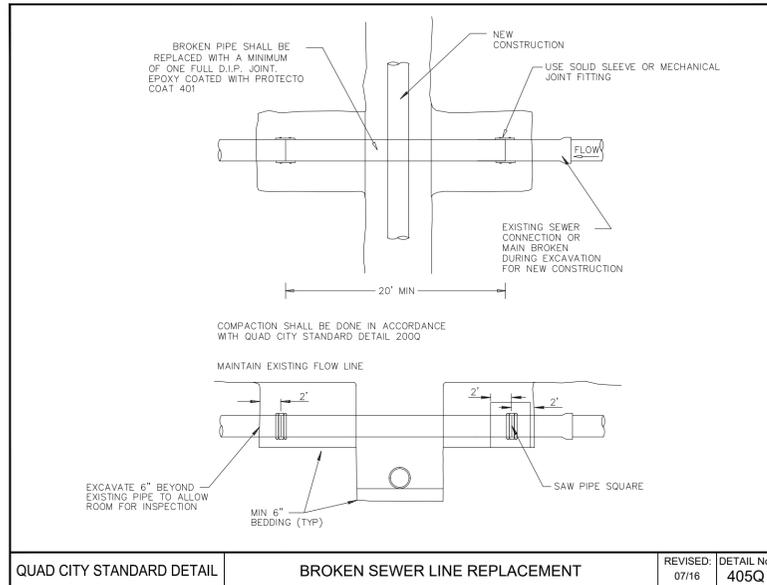
- NOTES:**
- ZONE A: NO WATER LINES ALLOWED/MINIMUM SEPARATION.
 - ZONE B: EXTRA PROTECTION REQUIRED FOR WATER LINES.
 - * REFER TO MAG SPECIFICATION SECTION 610, WATER LINE CONSTRUCTION.

COP STANDARD DETAIL WATER AND SANITARY SEWER SEPARATION/PROTECTION *Charles Andrews* REVISED: 07/16 DETAIL No. 404P-1
CITY ENGINEER

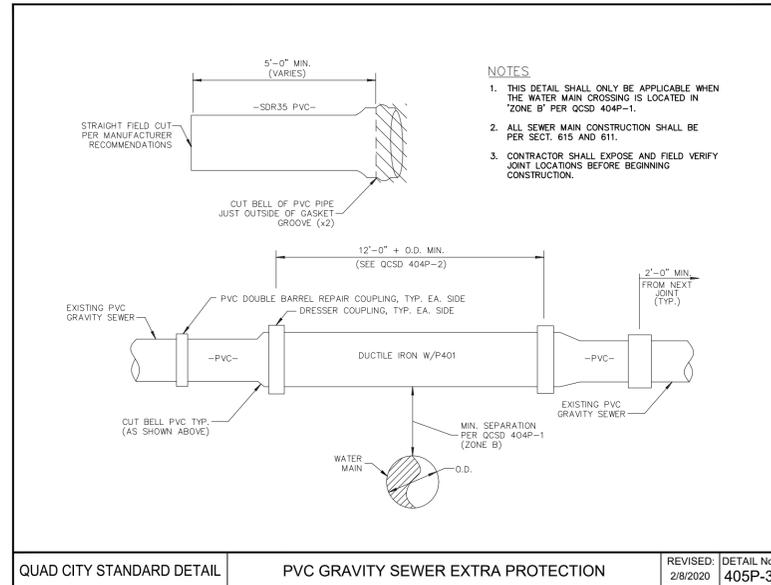


- NOTES:**
- * REFER TO MAG STANDARD SPECIFICATION SECTION 610.

COP STANDARD DETAIL WATER AND SANITARY SEWER SEPARATION/PROTECTION *Charles Andrews* REVISED: 07/16 DETAIL No. 404P-2
CITY ENGINEER

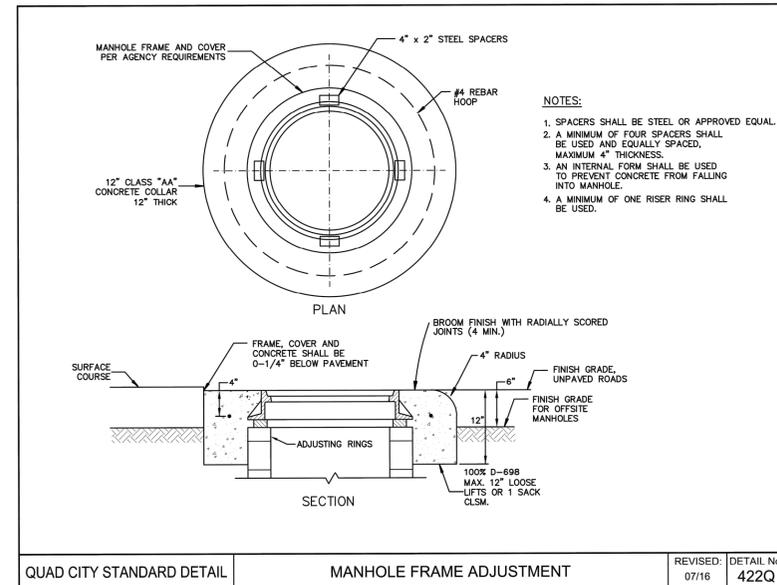


QUAD CITY STANDARD DETAIL BROKEN SEWER LINE REPLACEMENT REVISED: 07/16 DETAIL No. 405Q



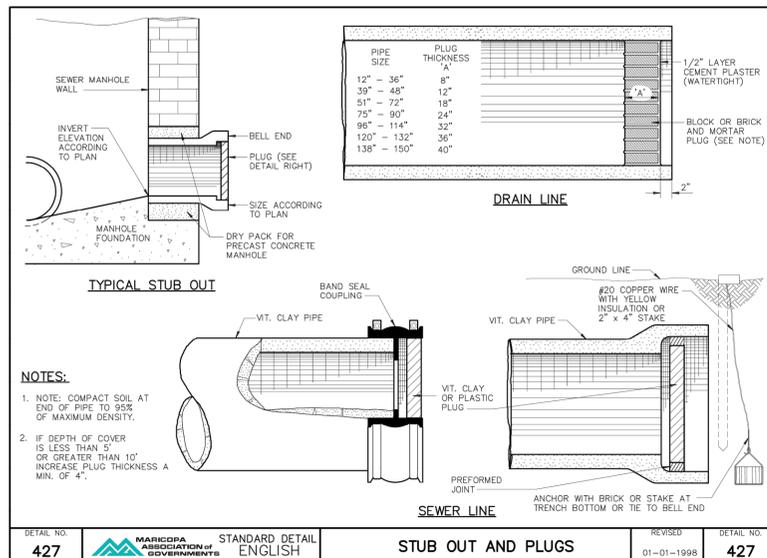
- NOTES:**
1. THIS DETAIL SHALL ONLY BE APPLICABLE WHEN THE WATER MAIN CROSSING IS LOCATED IN 'ZONE B' PER QCSO 404P-1.
 2. ALL SEWER MAIN CONSTRUCTION SHALL BE PER SECT. 615 AND 611.
 3. CONTRACTOR SHALL EXPOSE AND FIELD VERIFY JOINT LOCATIONS BEFORE BEGINNING CONSTRUCTION.

QUAD CITY STANDARD DETAIL PVC GRAVITY SEWER EXTRA PROTECTION REVISED: 2/8/2020 DETAIL No. 405P-3



- NOTES:**
1. SPACERS SHALL BE STEEL OR APPROVED EQUAL.
 2. A MINIMUM OF FOUR SPACERS SHALL BE USED AND EQUALLY SPACED, MAXIMUM 4" THICKNESS.
 3. AN INTERNAL FORM SHALL BE USED TO PREVENT CONCRETE FROM FALLING INTO MANHOLE.
 4. A MINIMUM OF ONE RISER RING SHALL BE USED.

QUAD CITY STANDARD DETAIL MANHOLE FRAME ADJUSTMENT REVISED: 07/16 DETAIL No. 422Q



PIPE SIZE	PLUG THICKNESS 'A'
12" - 36"	8"
39" - 48"	12"
51" - 72"	18"
75" - 90"	24"
96" - 114"	32"
120" - 132"	36"
138" - 150"	40"

- NOTES:**
1. NOTE, COMPACT SOIL AT END OF PIPE TO 95% OF MAXIMUM DENSITY.
 2. IF DEPTH OF COVER IS LESS THAN 5' OR GREATER THAN 10' INCREASE PLUG THICKNESS A MIN. OF 4".

DETAIL No. 427 MARICOPA ASSOCIATION OF GOVERNMENTS STANDARD DETAIL ENGLISH STUB OUT AND PLUGS REVISED: 01-01-1998 DETAIL No. 427

DWG. NO. D102
DATE 08/27/2020
SHEET NO. 04 OF 13

EQUESTRIAN WAY WATER MAIN GENERAL DETAILS

CITY OF PRESCOTT PUBLIC WORKS

CITY OF PRESCOTT
Everybody's HomeTown

FOR: COP

CHECKED BY: ACB

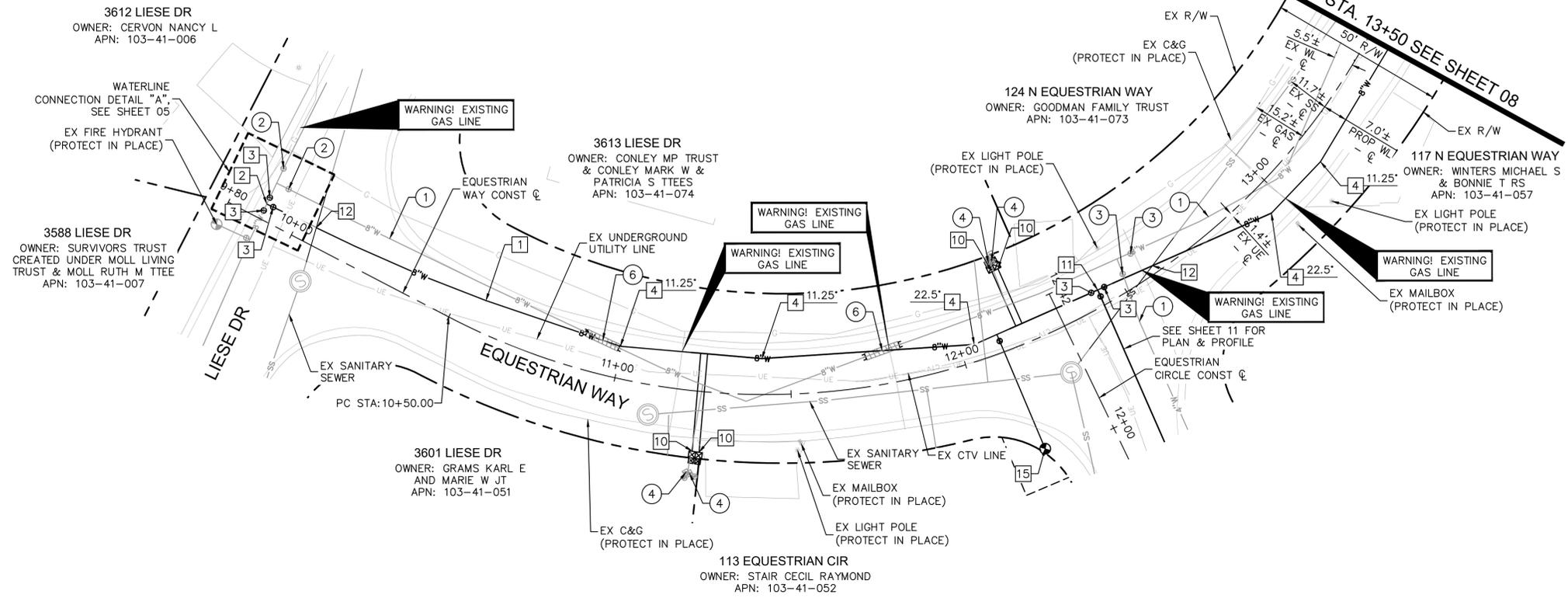
PREPARED BY: JTH

Kimley-Horn & Associates, Inc.
201 N. MONTEZUMA, SUITE 206
PHOENIX, AZ 85004
PHONE: 602-998-9700
WWW.KIMLEY-HORN.COM

NO.	BY	DATE	REVISIONS	APPRV	DATE	CITY

REVIEW: CIP #: 20-015

FILE NAME & PATH: K:\PRS_ROADWAY\091345025-EQUESTRIAN WATER MAIN\CADD\07-SHEETS\GD1.DWG



KEY MAP
N.T.S.

REMOVAL NOTES

NO	DESCRIPTION
1	ABANDON EXISTING WATER MAIN IN PLACE
2	REMOVE EXISTING VALVE
3	ABANDON EXISTING VALVE, ABANDONMENT OF VALVES SHALL INCLUDE REMOVAL OF CONCRETE COLLAR AND VALVE CAN AND BACKFILL WITH 1/2 SACK CLSM
4	REMOVE EXISTING WATER METER BOX AND SERVICE LINE TO EXISTING WATER MAIN
6	CUT AND REMOVE EXISTING WATER MAIN, CAP AT BOTH ENDS PER MAG STD DTL 427

CONSTRUCTION NOTES

NO	DESCRIPTION
1	8" FULLY RESTRAINED CLASS 350 DIP WATER LINE PER MAG SPEC 610. TRENCH BACKFILL PER QUAD CITY STD DTL 200Q-1. SEE PAVING PLAN ON SHEETS 12-13 FOR SURFACE REPLACEMENT
2	8" X 8" TEE (NPI)
3	8" VALVE BOX AND COVER PER QUAD CITY STD DTL 391Q
4	8" BEND PER PLAN (NPI)
10	WATER SERVICE CONNECTION PER COP STD DTL 316P WITH REGULATOR IN CUSTOMER BOX
11	8" X 4" TEE (NPI)
12	EXTRA PROTECTION PER QUAD COP STD DTLS 404P-1, 404P-3 AND 405Q
15	FIRE HYDRANT AND 6" GATE VALVE WITH M&M VALVE AND TEE PER QUAD CITY STD DTLS 360Q, 362Q AND 363Q

SHEET NOTES

- ALL EXISTING PROPERTY CORNERS SHALL BE PROTECTED IN PLACE. IF DISTURBED IT IS THE CONTRACTOR'S RESPONSIBILITY TO REPLACE.
- ANY EXISTING LANDSCAPE FEATURES SHALL BE PROTECTED IN PLACE OR REPLACE IN KIND. EXISTING HISTORIC BENCH SHALL BE SALVAGE.
- CONTRACTOR'S RESPONSIBILITY TO PROVIDE CONTINUOUS WATER SERVICE DURING PROJECT DURATION.
- REFER TO POTHOLE DATA ON SHEET 05.

GRAPHIC SCALE IN FEET

HORIZONTAL: 0 10 20 40

VERTICAL: 0 2 4 8

Call at least two full working days before you begin excavation.

ARIZONA 811
Arizona 811 State, Inc.
Dial 8-1-1 or 1-800-STAKE-IT (782-5348)
In Maricopa County: (602) 263-1100

5632	PROP. 8" VALVE STA: 9+91.86 OFF: 4.60LT	EX. UNDERGROUND ELECTRIC STA: 9+96.19 (POTHOLE 10)	5632
5630		EX. SEWER MAIN (EXTRA PROTECTION) STA: 10+05.32 INV: 5626.7±	5630
5628	STA: 9+89.86 OFF: 4.53LT 8"X8" TEE	STA: 10+37.32 OFF: 6.75LT INV ELEV: 5623.17 EX. WATER MAIN TO BE REMOVED STA: 10+94.06 INV: 5623.1± (POTHOLE 11)	5628
5626	STA: 9+94.86 OFF: 4.70LT 5 LF ΔV=45.0' (DN) INV ELEV: 5626.49	EX. GAS SERVICE STA: 11+17.87 INV: 5624.1± (POTHOLE 1)	5626
5624	STA: 9+94.86 OFF: 4.70LT ΔV=45.0' (DN) INV ELEV: 5626.49	WATER SERVICE STA: 11+23.42 WATER SERVICE STA: 11+25.48	5624
5622	STA: 9+97.10 OFF: 4.78LT ΔV=45.0' (DN) INV ELEV: 5624.04	EX. GAS SERVICE STA: 11+79.65 INV: 5616.3±	5622
5620	STA: 10+17.37 OFF: 5.46LT ΔH=1.80' (LT) INV ELEV: 5623.60	EX. SEWER SERVICE STA: 12+06.93 INV: 5613.1± (POTHOLE 2)	5620
5618	STA: 10+57.55 OFF: 8.78LT ΔH=2.50' (LT) INV ELEV: 5622.73	PROP. 8" VALVE STA: 12+41.09 OFF: 4.84LT	5618
5616	STA: 10+99.55 OFF: 8.98LT ΔH=11.25' (LT) ΔV=2.50' (DN) INV ELEV: 5621.86	PROP. 8" VALVE STA: 12+45.17 OFF: 4.43LT	5616
5614	STA: 11+20.55 OFF: 10.62LT ΔV=2.43' (DN) INV ELEV: 5620.50	EX. WATER MAIN TO BE REMOVED STA: 12+51.45 INV: 5608.6±	5614
5612	STA: 11+41.69 OFF: 10.10LT ΔH=11.25' (LT) ΔH=2.50' (RT) INV ELEV: 5618.23	EX. GAS SERVICE STA: 12+56.90 INV: 5610.2± (POTHOLE 3)	5612
5610	STA: 12+04.09 OFF: 4.70LT ΔH=11.25' (LT) ΔH=2.50' (RT) ΔV=11.25' (DN) INV ELEV: 5611.51	EX. UNDERGROUND ELECTRIC STA: 12+75.87 INV: 5609.6± (POTHOLE 4)	5610
5608	STA: 12+11.23 OFF: 5.27LT FIRE HYDRANT AND 6" GATE VALVE INV ELEV: 5609.61	EX. GAS SERVICE STA: 12+94.88 OFF: 7.95RT ΔH=22.5' (LT) ΔV=0.28' (DN) INV ELEV: 5606.34	5608
5606	STA: 12+15.34 OFF: 5.47LT ΔV=11.25' (UP) ΔV=2.23' (UP) INV ELEV: 5608.52	EX. SEWER MAIN (EXTRA PROTECTION) STA: 12+60.10 INV: 5605.5±	5606
5604	STA: 12+17.22 OFF: 5.47LT ΔV=11.25' (UP) ΔV=2.23' (UP) INV ELEV: 5608.52	STA: 12+52.29 OFF: 3.51LT ΔV=2.50' (UP) INV ELEV: 5607.41	5604
5602	STA: 12+17.22 OFF: 5.47LT ΔV=11.25' (UP) ΔV=2.23' (UP) INV ELEV: 5608.52	STA: 12+47.82 OFF: 4.12LT ΔV=2.50' (DN) INV ELEV: 5607.71	5602
5600	STA: 12+43.13 OFF: 4.65LT 8"X4" TEE INV ELEV: 5607.83 INV ELEV: 5608.00		5600
5598			5598
5596			5596

CITY OF PRESCOTT PUBLIC WORKS

EQUESTRIAN WAY WATER MAIN
EQUESTRIAN WAY WATER MAIN PLAN AND PROFILE

DWG. NO. GD01
DATE 08/27/2020
SHEET NO. 07 OF 13

PREPARED BY: JTH
CHECKED BY: ACB
FOR: COP

City of Prescott
Everybody's HomeTown

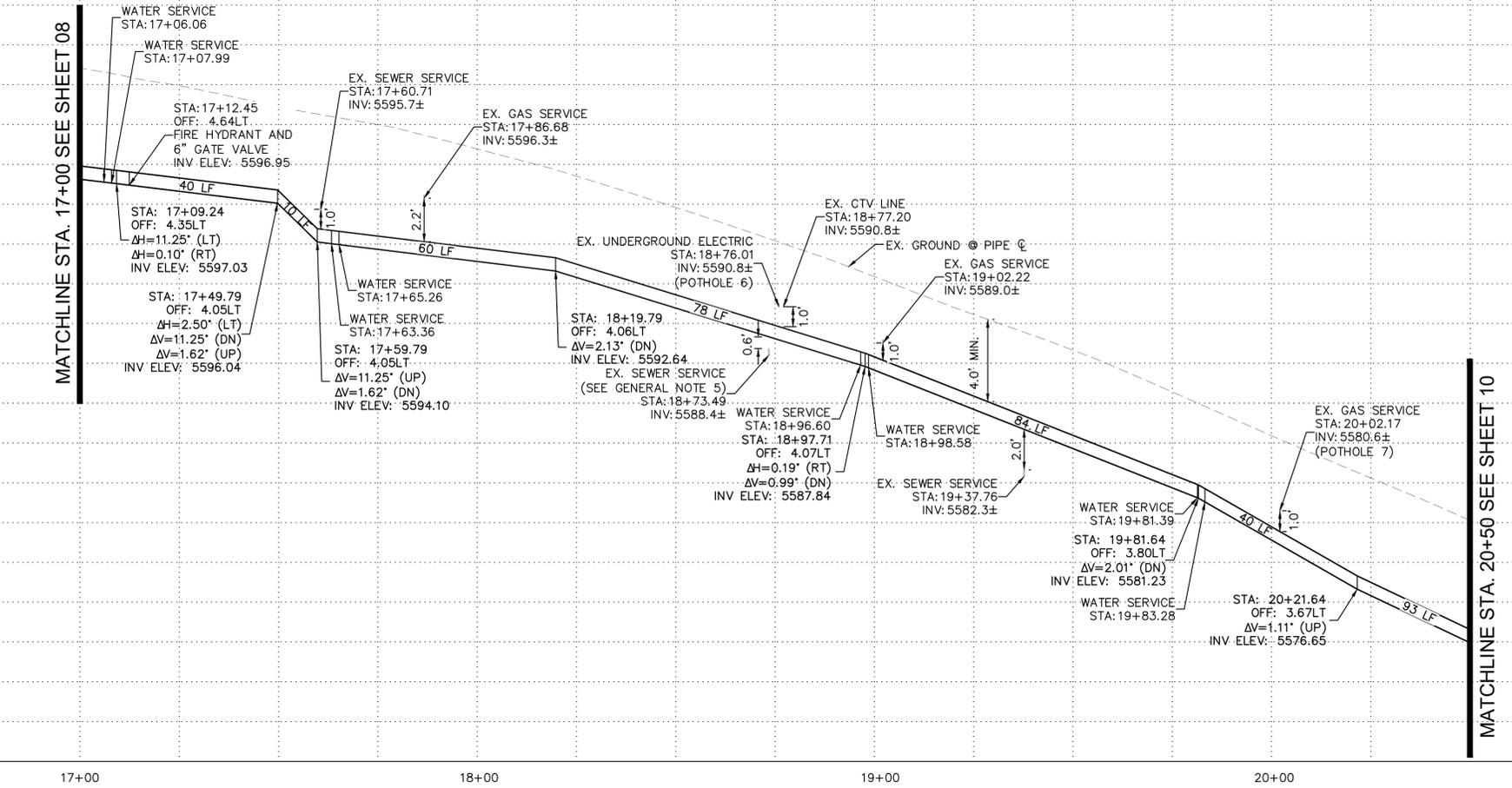
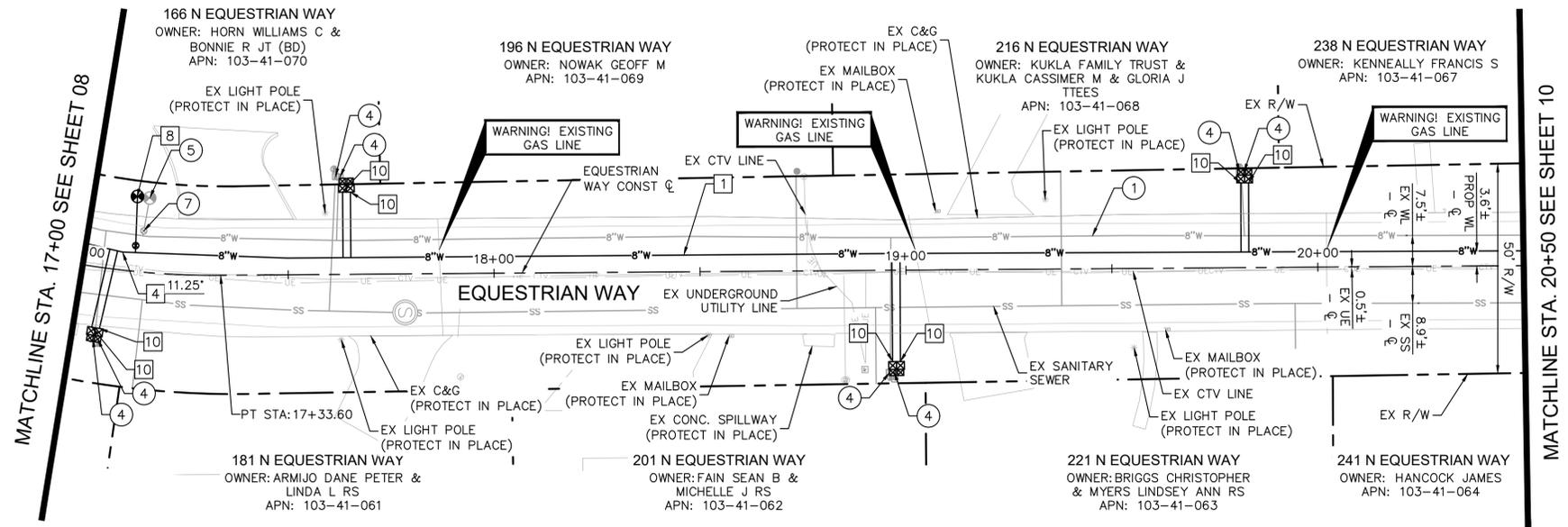
Professional Engineer
CERTIFICATE NO. 48841
ANDREW C. BAIRD
Date Signed 08/27/2020
ARIZONA, USA

Kimley-Horn
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201 N. MONTEZUMA, SUITE 206
PRESCOTT, AZ 86301
PHONE: 928-498-9100
WWW.KIMLEY-HORN.COM

APPR. DATE CITY
REVISIONS
NO. BY DATE ENGINEER

CIP #: 20-015

EQUESTRIAN WAY WATER MAIN REPLACEMENT



KEY MAP
N.T.S.

REMOVAL NOTES

DESCRIPTION
1 ABANDON EXISTING WATER MAIN IN PLACE
4 REMOVE EXISTING WATER METER BOX AND SERVICE LINE TO EXISTING WATER MAIN
5 REMOVE EXISTING FIRE HYDRANT ASSEMBLY TO EXISTING WATER MAIN. SALVAGE EXISTING HYDRANT TO CITY. PROTECT SHOE AND BARREL FROM DAMAGE
7 REMOVE EXISTING VALVE AND BLIND FLANGE TEE

CONSTRUCTION NOTES

DESCRIPTION
1 8" FULLY RESTRAINED CLASS 350 DIP WATER LINE PER MAG SPEC 610. TRENCH BACKFILL PER QUAD CITY STD DTL 2000-1. SEE PAVING PLAN ON SHEETS 12-13 FOR SURFACE REPLACEMENT
4 8" BEND PER PLAN (NPI)
8 FIRE HYDRANT AND 6" GATE VALVE PER QUAD CITY STD DTLS 360Q, 362Q AND 363Q
10 WATER SERVICE CONNECTION PER COP STD DTL 316P WITH REGULATOR IN CUSTOMER BOX

SHEET NOTES

- ALL EXISTING PROPERTY CORNERS SHALL BE PROTECTED IN PLACE. IF DISTURBED IT IS THE CONTRACTOR'S RESPONSIBILITY TO REPLACE.
- ANY EXISTING LANDSCAPE FEATURES SHALL BE PROTECTED IN PLACE OR REPLACE IN KIND. EXISTING HISTORIC BENCH SHALL BE SALVAGE.
- CONTRACTOR'S RESPONSIBILITY TO PROVIDE CONTINUOUS WATER SERVICE DURING PROJECT DURATION.
- REFER TO POTHOLE DATA ON SHEET 05.
- CONTRACTOR TO VERIFY DEPTH OF SEWER SERVICE PRIOR TO CONSTRUCTION ON NEW MAIN.



APPROVALS AND SIGNATURES:

NO.	BY	DATE	REVISIONS	CITY

APPROVALS AND SIGNATURES:

NO.	BY	DATE	REVISIONS	CITY

Call at least two full working days before you begin excavation.

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Arizona One Stop Inc.
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In Maricopa County: (602) 263-1100

CITY OF PRESCOTT PUBLIC WORKS

EQUESTRIAN WAY WATER MAIN
EQUESTRIAN WAY WATER MAIN PLAN AND PROFILE

DWG. NO. GD03
DATE 08/27/2020
SHEET NO. 09 OF 13

CITY OF PRESCOTT
Everybody's HomeTown

PREPARED BY: JTH
CHECKED BY: ACB
FOR: COP

Professional Engineer
CERTIFICATE NO. 48841
ANDREW C. BAIRD
Date Signed 08/27/2020
ARIZONA USA

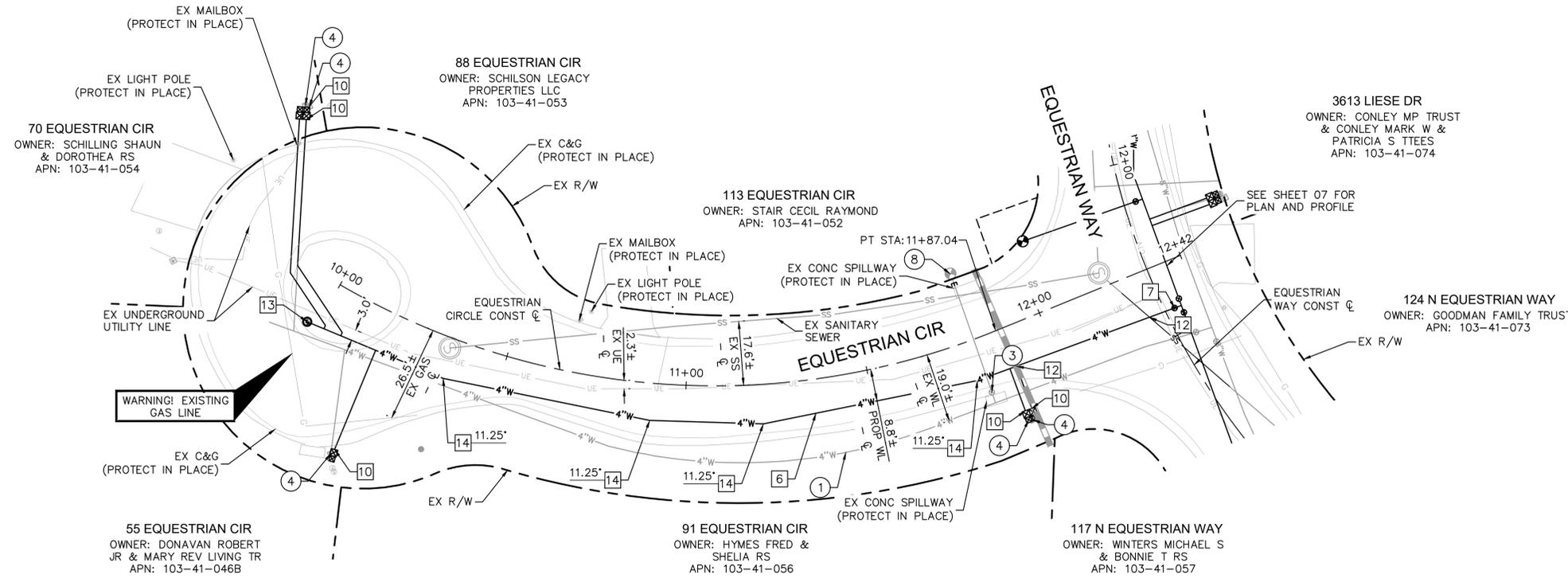
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NO. BY DATE REVISIONS CITY

ENGINEER

CIP #: 20-015

FILE NAME&PATH: K:\PRS_ROADWAY\091345025-EQUESTRIAN WATER MAIN\CADD\07-SHEETS\GDS.DWG



REMOVAL NOTES

NO	DESCRIPTION
1	ABANDON EXISTING WATER MAIN IN PLACE
3	ABANDON EXISTING VALVE, ABANDONMENT OF VALVES SHALL INCLUDE REMOVAL OF CONCRETE COLLAR AND VALVE CAN AND BACKFILL WITH 1/2 SACK CLSM
4	REMOVE EXISTING WATER METER BOX AND SERVICE LINE TO EXISTING WATER MAIN
8	REMOVE EXISTING FIRE HYDRANT ASSEMBLY AS SHOWN, SALVAGE EXISTING HYDRANT TO CITY, PROTECT SHOE AND BARRELL FROM DAMAGE

CONSTRUCTION NOTES

DESCRIPTION
6 4" FULLY RESTRAINED CLASS 350 DIP WATER LINE PER MAG SPEC 610. TRENCH BACKFILL PER QUAD CITY STD DTL 200Q-1. SEE PAVING PLAN ON SHEETS 12-13 FOR SURFACE REPLACEMENT
7 4" VALVE BOX AND COVER PER QUAD CITY STD DTL 391Q
10 WATER SERVICE CONNECTION PER COP STD DTL 316P WITH REGULATOR IN CUSTOMER BOX
12 EXTRA PROTECTION PER QUAD COP STD DTLS 404P-1, 404P-3 AND 405Q
13 AIR RELEASE VALVE PER QUAD CITY STD DTL 317Q-1
14 4" BEND PER PLAN (NPI)

SHEET NOTES

- ALL EXISTING PROPERTY CORNERS SHALL BE PROTECTED IN PLACE. IF DISTURBED IT IS THE CONTRACTOR'S RESPONSIBILITY TO REPLACE.
- ANY EXISTING LANDSCAPE FEATURES SHALL BE PROTECTED IN PLACE OR REPLACE IN KIND. EXISTING HISTORIC BENCH SHALL BE SALVAGE.
- CONTRACTOR'S RESPONSIBILITY TO PROVIDE CONTINUOUS WATER SERVICE DURING PROJECT DURATION.
- REFER TO POTHOLE DATA ON SHEET 05.

GRAPHIC SCALE IN FEET

HORIZONTAL: 0 10 20 40

VERTICAL: 0 2 4 8

Call at least two full working days before you begin excavation.

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APPROVALS: CITY, REVISIONS, REVIEW: CIP # 20-015

CITY OF PRESCOTT PUBLIC WORKS

DWG. NO. G005

DATE 08/27/2020

SHEET NO. 11 OF 13

EQUESTRIAN WAY WATER MAIN

EQUESTRIAN CIRCLE WATER MAIN PLAN AND PROFILE

EQUESTRIAN WAY WATER MAIN REPLACEMENT

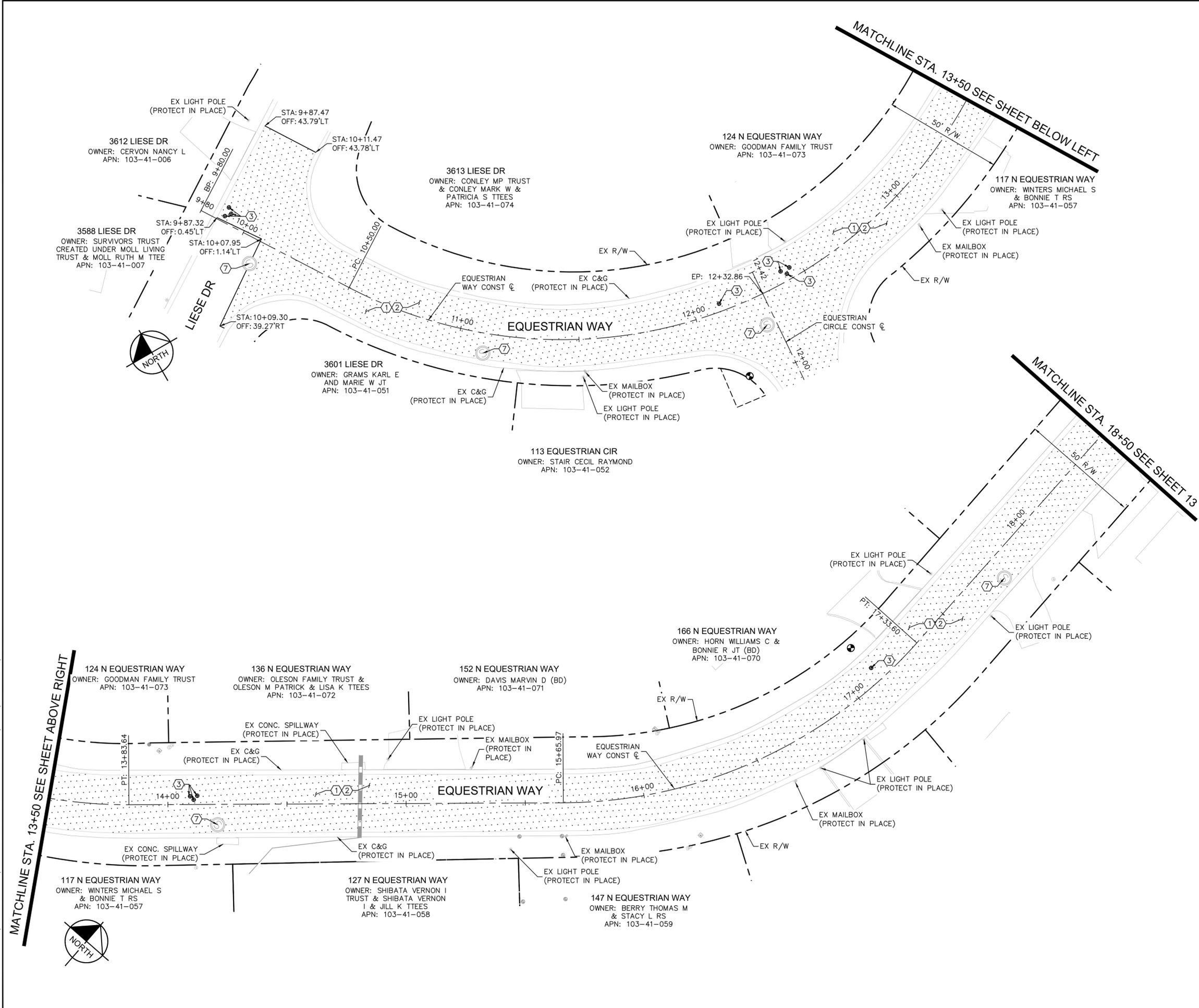
PREPARED BY: JTH

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Professional Engineer Seal: Andrew C. Baird, Certificate No. 48841, Expires 09/27/2020, ARIZONA USA.

Kimley-Horn & Associates, Inc.
201 N. MONTEZUMA, SUITE 206
PHOENIX, AZ 85004
PHONE: 602-998-9700
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CONSTRUCTION NOTES

NO	DESCRIPTION
①	FULL DEPTH RECLAMATION OF EXISTING AGGREGATE BASE PER STRUCTURAL SECTION NO. 1 ON SHEET 02
②	3" ASPHALT CONCRETE PER STRUCTURAL SECTION NO. 1 ON SHEET 02
③	ADJUST FRAME AND COVER TO FINISHED GRADE AND PLACE NEW CONCRETE PER QUAD CITY STD DTL 391Q
⑦	REMOVE EXISTING CONCRETE AROUND MANHOLE FRAME, ADJUST TO FINISHED GRADE AND PLACE NEW CONCRETE PER QUAD CITY STD DTL 422Q

NO.	DESCRIPTION	DATE	BY	REVISIONS

GRAPHIC SCALE IN FEET
0 10 20 40

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in Maricopa County: (602) 263-1100

DWG. NO. RD01
DATE 08/27/2020
SHEET NO. 12 OF 13

EQUESTRIAN WAY WATER MAIN PAVING PLAN

CITY OF PRESCOTT PUBLIC WORKS

CITY OF PRESCOTT
Everybody's HomeTown

FOR: COP
CHECKED BY: ACB
PREPARED BY: JTH

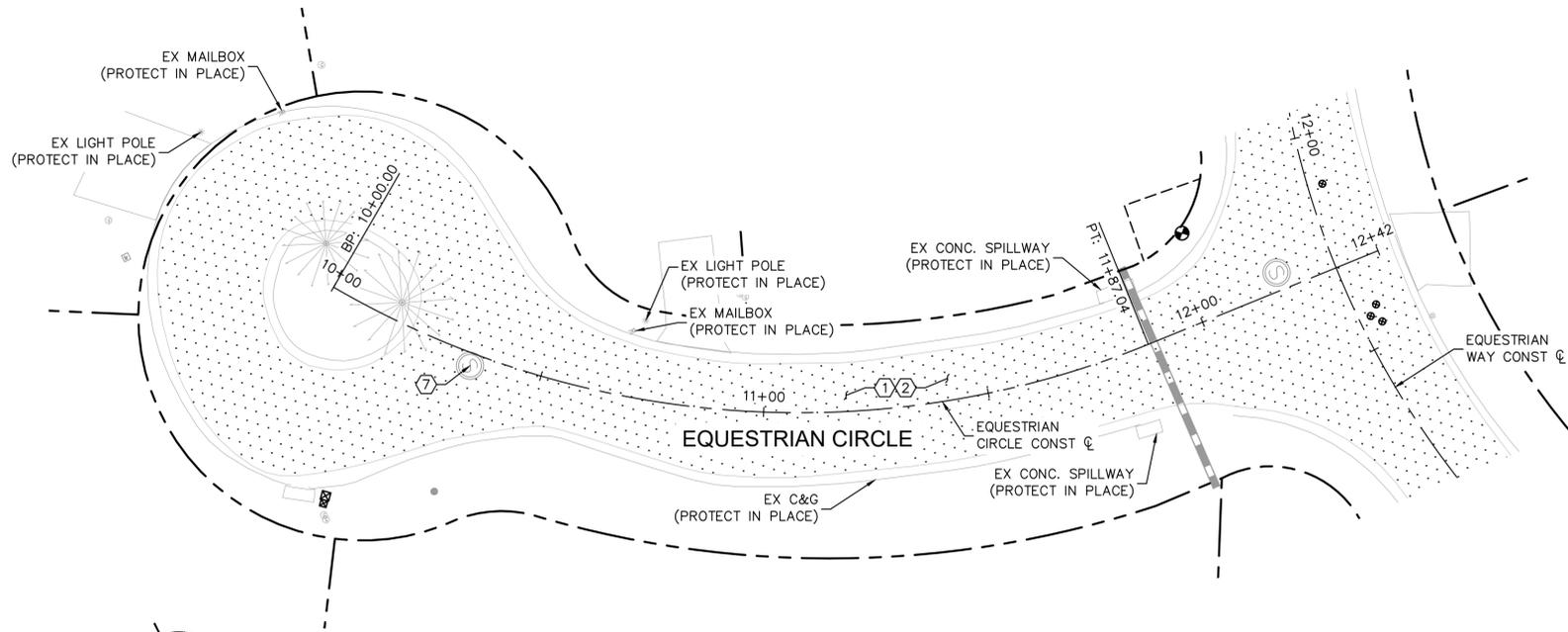
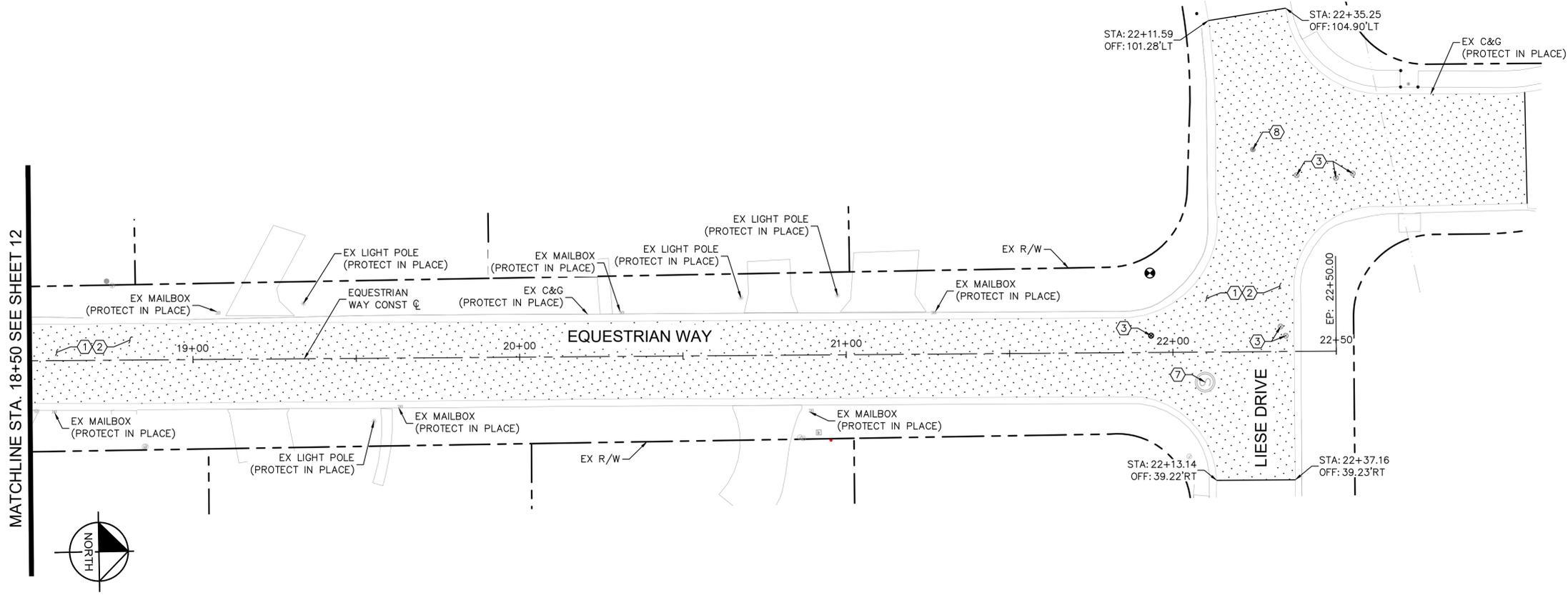
APPRV. DATE CITY

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REVISIONS

CIP #: 20-015 REVIEW:

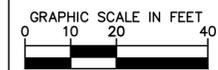
MATCHLINE STA. 18+50 SEE SHEET 12



KEY MAP
N.T.S.

CONSTRUCTION NOTES

NO	DESCRIPTION
①	FULL DEPTH RECLAMATION OF EXISTING AGGREGATE BASE PER STRUCTURAL SECTION NO. 1 ON SHEET 02
②	3" ASPHALT CONCRETE PER STRUCTURAL SECTION NO. 1 ON SHEET 02
③	ADJUST FRAME AND COVER TO FINISHED GRADE AND PLACE NEW CONCRETE PER QUAD CITY STD DTL 391Q
⑦	REMOVE EXISTING CONCRETE AROUND MANHOLE FRAME, ADJUST TO FINISHED GRADE AND PLACE NEW CONCRETE PER QUAD CITY STD DTL 422Q
⑧	ADJUST SURVEY MONUMENT PER QUAD CITY STD DTL 270Q. IF SURVEY MONUMENT IS A MONOLITHIC STRUCTURE, REMOVE AND REPLACE SURVEY MONUMENT AS PER QUAD CITY STD DTL 120Q



CITY OF PRESCOTT PUBLIC WORKS

EQUESTRIAN WAY WATER MAIN PAVING PLAN

DWG. NO. RD02
DATE 08/27/2020
SHEET NO. 13 OF 13

CITY OF PRESCOTT
Everybody's HomeTown

PREPARED BY: JTH
CHECKED BY: ACB
FOR: COP

Registered Professional Engineer (PE) (MJD)

CERTIFICATE NO. 48841

ANDREW C. BAIRD

Date Signed 08/27/20

ARIZONA, USA

Kimley-Horn

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NO.	BY	DATE	REVISIONS	APPRV	DATE	CITY

REVIEW: CIP #: 20-015