

RECLAIMED WATER TREATED EFFLUENT GENERAL NOTES:

1. ALL COVERS FOR METER BOXES, VALVE BOXES, FLUSH VALVES, PRESSURE REDUCING VAULTS, AIR/VAC RELEASE ASSEMBLIES, AND ALL OTHER APPURTENANCES REQUIRING VAULTS OR BOXES SHALL BE PURPLE IN COLOR (PANTONE COLOR #512), LABELED "RECLAIMED WATER" OR "EFFLUENT", AND HAVE SECURED OR LOCKING LIDS. PURPLE COLORATION SHALL BE OBTAINED FROM THE MANUFACTURER OR BE APPLIED BY POWDER COATING OR EPOXY PAINT. ALL APPURTENANCES SHALL HAVE A PURPLE TAG ATTACHED WITH THE WORDING "WARNING RECYCLED/RECLAIMED WATER DO NOT DRINK" AND "AVISO AGUA IMPURA NO TOMAR" (T. CHRISTY ENTERPRISES, MAXI VALVE IDENTIFICATION TAG, ID-MAX-P2-RC006 OR CITY OF SPARKS APPROVED EQUAL). A DEBRIS CAP WITH PURPLE COLORATION SHALL BE INSTALLED INSIDE OF ALL ROUND BOXES.
2. ALL ABOVE GROUND PIPING SHALL BE EPOXY PAINTED PURPLE (PANTONE COLOR #512) AND HAVE A PURPLE TAG ATTACHED WITH THE WORDING "WARNING RECYCLED/RECLAIMED WATER DO NOT DRINK" AND "AVISO AGUA IMPURA NO TOMAR" (T. CHRISTY ENTERPRISES, MAXI VALVE IDENTIFICATION TAG, ID-MAX-P2-RC006 OR CITY OF SPARKS APPROVED EQUAL).
3. ALL QUICK COUPLER VALVES SHALL HAVE PURPLE, LOCKABLE COVERS (RAIN BIRD 44NP OR CITY OF SPARKS APPROVED EQUAL).
4. ALL IRRIGATION CONTROLLER ENCLOSURES SHALL BE LABELED INSIDE AND OUTSIDE WARNING THAT THE SYSTEM USES RECLAIMED WATER (T. CHRISTY ENTERPRISES, CONTROLLER MARKING DECAL, PART NUMBER #ID-4100, OR CITY OF SPARKS APPROVED EQUAL).
5. DIRECT CONNECTIONS BETWEEN POTABLE WATER PIPING AND RECLAIMED WATER PIPING SHALL NOT EXIST UNDER ANY CONDITION, WITH OR WITHOUT BACKFLOW PROTECTION. REFERENCE SECTION 603.3.5 OF THE UNIFORM PLUMBING CODE, LATEST EDITION.
6. EACH EFFLUENT SERVICE CONNECTION SHALL INCLUDE A METER PROVIDED BY THE CITY OF SPARKS, UNLESS OTHERWISE STATED IN THE EFFLUENT AGREEMENT WITH THE CITY OF SPARKS.
7. TRACER WIRE SHALL BE PROVIDED FOR ALL DISTRIBUTION RECLAIMED WATER LINES AND SERVICE LATERALS AND SHALL BE PLACED ON TOP OF PIPE AND ATTACHED WITH DUCT TAPE AT 6 FEET MAXIMUM INTERVALS. AT 500 FEET INTERVALS, TRACER WIRE SHALL BE EXTENDED INTO SEPARATE TEST STATIONS CONSISTING OF RISERS AND VALVE BOXES. TEST LEAD WIRE SHALL BE LONG ENOUGH TO EXTEND FOUR (4) FEET ABOVE GROUND LEVEL AND SHALL TERMINATE IN TEST STATION BOX. TRACER WIRE SHALL BE ATTACHED TO SERVICE LATERALS WITH DUCT TAPE AT 3 FEET MAXIMUM INTERVALS, AND SHALL BE LONG ENOUGH TO EXTEND FOUR (4) FEET ABOVE GROUND AND SHALL TERMINATE IN METER BOX. TRACER WIRE SHALL BE PROVIDED FOR ALL IRRIGATION RECLAIMED WATER PIPING 3-INCH DIAMETER AND LARGER, BOTH WITHIN PUBLIC RIGHT-OF-WAY AND PRIVATE PROPERTY, AND SHALL BE PLACED ON TOP OF PIPE AND ATTACHED WITH DUCT TAPE AT 6 FEET MAXIMUM INTERVALS. TRACER WIRE SHALL BE LONG ENOUGH TO EXTEND FOUR (4) FEET ABOVE GROUND AND SHALL TERMINATE IN APPROPRIATE IRRIGATION CONTROL/VALVE BOX AT MAXIMUM 500 FEET INTERVALS. WIRE SHALL BE #12 AWG, INSULATED, STRANDED COPPER, THHN 600V. PRIOR TO ACCEPTANCE OF THE RECLAIMED WATERLINE(S) BY THE CITY OF SPARKS, THE CONTRACTOR SHALL PERFORM A CONTINUITY TEST AFTER BACKFILLING THE TRENCH TO THE SATISFACTION OF THE CITY OF SPARKS INSPECTOR AND/OR ENGINEER.
8. ALL BURIED IRRIGATION PIPING UPSTREAM OF AN ELECTRICAL CONTROL VALVE SHALL BE PURPLE PLASTIC PIPE OR BE ENCASED IN PURPLE POLYETHYLENE OR BAGS LABELED "CAUTION: BURIED RECLAIMED WATER LINE BELOW" AT INTERVALS NO GREATER THAN 5 FEET. FOR POLYETHYLENE (PE) SERVICE PIPE, PURPLE STRIPES ARE ACCEPTABLE.

STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION

DRAWING No.



EFFLUENT GENERAL NOTES

S-501A

APPROVED BY: JE DATE: 1/2020