



NOTES:

- 1) FIRE HYDRANT SHALL BE MUELLER A-423 "CENTURION" WITH 2-2 1/2" HOSE NOZZLES AND 1-4" PUMPER NOZZLE AND CONFORM TO AWWA C-502-80. HYDRANTS WITHIN THE CITY OF SOUTH LAKE TAHOE SHALL BE PAINTED WITH A MINIMUM OF THREE COATS OF SPRAY MATE "ALUMINUM METALLIC", COLOR CODE 0180 OR APPROVED EQUAL.
- 2) FIRE LINE TEE ON NEW MAIN SHALL BE DUCTILE IRON MJ X MJ WITH 6" FLANGED BRANCH THE SAME PRESSURE RATING AS THE PIPELINE BEING INSTALLED.
- 3) GATE VALVE SHALL BE MJ X FLANGED RESILIENT WEDGE GATE VALVE EPOXY LINED AND COATED. WITH CHRISTY G5 VALVE BOX AND METAL LID STAMPED "WATER".
- 4) HYDRANT THRUST BLOCK SHALL HAVE A MINIMUM BEARING SURFACE OF 6 SQ. FEET. ALL FLANGES TO BE BURIED, COAT ENTIRE ASSEMBLY WITH PETROLATUM SATURATED FABRIC TAPE WRAP SYSTEM IN ACCORDANCE WITH STPUD REQUIREMENTS, CONCRETE FOR THRUST BLOCKS SHALL BE FORMED TO MAINTAIN A MINIMUM CLEARANCE OF TWO INCHES (2") FROM FLANGE BOLTS.
- 5) THE ENTIRE HYDRANT ASSEMBLY FROM THE MAIN TO THE HYDRANT SHALL BE RESTRAINED. FIRE LINE, GATE VALVE AND HYDRANT MECHANICAL JOINTS TO BE INSTALLED WITH US PIPE MJ GRIPPER GLAND, EBAA-IRON MEGALUG 1100SD SERIES FOR DUCTILE IRON PIPE. RESTRAINED JOINTS FOR PVC PIPE SHALL BE EBAA-IRON MEGALUG SERIES 2000 OR 1100PV OR APPROVED EQUAL.
- 6) HYDRANT ASSEMBLY SHALL PASS HYDROSTATIC PRESSURE AND DISINFECTION TESTING AS SPECIFIED ALONG WITH NEW PIPELINE PRIOR TO BEING PLACED INTO SERVICE.
- 7) HYDRANTS SHALL BE LOCATED AS SHOWN ON THE PROJECT DRAWINGS, TWO FEET (2') INSIDE R.O.W. OR AS DIRECTED BY THE DISTRICT ENGINEER AND MUST HAVE A MINIMUM OF TEN FEET (10') CLEARANCE FROM ANY DRIVEWAY. THE EXACT LOCATIONS FOR THE FIRE HYDRANT INSTALLATIONS WILL BE DETERMINED IN THE FIELD.
- 8) HYDRANTS SHALL BE INSTALLED WITH THE BOTTOM OF THE PUMPER NOZZLE A MINIMUM OF EIGHTEEN INCHES (18") ABOVE THE GROUND.
- 9) PROVIDE AND INSTALL SELF-CENTERING ALIGNMENT RING WITH SLIDING ADJUSTER AS MANUFACTURED BY THE AMERICAN FLOW CONTROL CORP. AND SUPPLIED FOR A TRENCH ADAPTER VALVE BOX ASSEMBLY.
- 10) FOR ALL VALVE OPERATING NUTS EXCEEDING 48" BURY THE CONTRACTOR SHALL PROVIDE VALVE OPERATOR EXTENSIONS WITH TRASH RINGS TO A MINIMUM DEPTH OF THIRTY SIX INCHES (36").

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FIRE HYDRANT

NO SCALE

FILE: STANDARDS	DRAWN: MAM	DATE: JUL 2016	SCALE: NO SCALE	SHEET: S1-D4
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**WATERLINE
DETAILS**



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