GENERAL CONSTRUCTION NOTES:

1. GATE VALVE WITH BOX, COVER, AND CIRCULAR COLLARS SHALL BE INSTALLED ON NEW AND EXISTING WATER MAINS.

2. FIRE HYDRANTS SHALL HAVE 5 1/4" VALVE OPENING. BE DRY BARREL/DRY TOP, TRAFFIC MODEL, WITH ONE 1 1/2" PUMPER NOZZLE, TWO 2 1/2" HOSE NOZZLES, NS THREAD, PENTAGON OPERATING NUT (1 1/2" PONT TO FLAT) WITH 1" SIDES, WHICH SHALL OPEN LEFT (COUNTER-CLOCKWISE), WITH MECHANICAL JOINT CONNECTION TO 6" DUCTILE IRON OUTSIDE DIAMETER PIPE WITH 4" MIN. COVER.

3. ALL FIRE HYDRANT'S SHALL BE PAINTED WITH TWO COATS OF CHROME YELLOW.


5. WRAP ALL AREAS WITH 10ML PLASTIC BEFORE INSTALLATION OF CONCRETE THRUST BLOCKS.

6. A FIRE HYDRANT ASSEMBLY MUST BE LOCATED 10 FEET FROM THE END OF ANY DEAD END WATERLINE.

7. IN PAVED OR UNPAVED RIGHT-OF-WAY WITHOUT SIDEWALK, POOR A 3'X4.5'X5' CONCRETE COLLAR CENTERED ON FIRE HYDRANT. CONCRETE SHALL HAVE AN fc = 3,000 psi.

8. FIRE HYDRANT COLLARS SHALL BE INSTALLED AT 2" TO 6" ABOVE FINISHED OR EXISTING ROAD GRADE ON ALL UNPAVED ROADS.

9. FIRE PROTECTION FIRE HYDRANTS ON PRIVATE PROPERTY TO FOLLOW STANDARD DRAWING CITY OF RIO RANCHO.

10. A MECHANICAL RESTRAINT SYSTEM SHALL BE UTILIZED ON FITTINGS AND PIPING FOR THRUST RESTRAINT. CONCRETE THRUST BLOCKING TO BE USED ONLY FOR SPECIAL CONDITIONS (SUCH AS, CAPS WHERE MAIN WILL BE EXTENDED IN THE FUTURE) OR AS SPECIFICALLY APPROVED BY CITY OF RIC RANCHO. DESIGN ENGINEER SHALL BE RESPONSIBLE FOR SIZING ALL CONCRETE THRUST BLOCKING AND RESTRAINT LENGTHS.

11. 3/4" CRUSHED STONE OR GRAVEL SHALL BE PLACED AROUND THE BOTTOM OF THE HYDRANT FOR A RADIUS OF AT LEAST 12" AND EXTEND AT LEAST 12" ABOVE THE OUTLET. DO NOT BLOCK KEEP HOLES. WRAP GRAVEL IN FILTER FABRIC.

12. IN PAVED RIGHT-OF-WAY WITH SIDEWALK, THE CONCRETE PAD AROUND THE FIRE HYDRANT SHALL HAVE THE FOLLOWING DIMENSIONS: 3' WIDE X 6" THICK X THE BUFFER LENGTH. CONCRETE SHALL HAVE AN fc = 3,000 psi.