







**FIRE HYDRANT ASSEMBLY**  
PER CITY OF WICHITA SPECIFICATIONS

**MATERIALS LIST**

- 1- MJ ANCHOR TEE OR TANGENTIAL OUTLET ("D"x 6")
- 1- 6" MJ GATE VALVE
- 1- 6" VALVE BOX AND VALVE STEM EXTENSION IF REQUIRED \*
- 6" DI CL SJ PIPE (LENGTH VARIABLE)
- 1- FIRE HYDRANT
- 1- 6" ANCHOR COUPLING\*
- 2- 90° BENDS\*
- 6" DI CL SJ SPOOL PIPE WITH ADEQUATE JOINT RESTRAINT \*
- CONCRETE BLOCKING (AS REQUIRED)
- RIVER WASHED PEA GRAVEL (AS REQUIRED)

\* IF THE REQUIRED HYDRANT BURY IS IN EXCESS OF 5', BUT LESS THAN 7', CONTRACTOR SHALL USE STANDARD 5' HYDRANT BURY AND HYDRANT BARREL EXTENSIONS AS NECESSARY. IF THE REQUIRED HYDRANT BURY IS GREATER THAN 7', CONTRACTOR SHALL USE 5' HYDRANT BURY, 2-MJ 90° BENDS, 6" ANCHOR COUPLING AND 6" DI CL SPOOL PIPE AS NECESSARY FOR VERTICAL ADJUSTMENT. THE CONTRACTOR SHALL PROVIDE ADEQUATE THRUST BLOCKING AT HYDRANT AND MEGALUGS, ROD AND LUG OR SIMILAR RESTRAINT BETWEEN 90° BENDS TO SECURE ALL FITTINGS DURING TESTING AND OPERATION. THE CONTRACTOR SHALL PROVIDE A VALVE STEM EXTENSION PER DETAIL THIS SHEET.

\*\* CAUTION: WEEP HOLES TO BE KEPT CLEAR DURING CONSTRUCTION AND BACKFILL. CONCRETE FOR THRUST BLOCKING SHALL NOT OBSTRUCT WEEP HOLES. PLACE 1 CUBIC FOOT OF RIVER WASHED PEA GRAVEL AROUND EACH WEEP HOLE.

# CONCRETE THRUST BLOCKING SHALL BE KEPT CLEAR OF BOLTS, NUTS, AND MJ ACCESSORIES.

**FIRE HYDRANTS REQUIRED**

STATION	BURY LINE ELEVATION	TOP OF PIPE ELEVATION	FIRE HYDRANT BURY REQUIRED*	VALVE STEM EXT. REQUIRED (ft)*
0+00 Line 1	1321.80	1316.55	6.0'	
4+28.41 Line 1	1323.50	1317.80	6.5'	
S.E. Cor Garage	1325.22	1319.80	6.0'	

**MATERIALS LIST**

- 1- MJ GATE OR BUTTERFLY VALVE (AS PER PLAN)
- 1- 6" VALVE BOX
- 2- DI CL SJ PIPE

**VALVE ASSEMBLY**

**CITY TAP**

**ANCHORED VALVE ASSEMBLY**

**ANCHORED VALVE ASSEMBLY, SPECIAL**

**THRUST AT VALVES**

VALVE	THRUST AT 150 #/sq
4"	1809 lbs.
6"	4245 lbs.
8"	7540 lbs.
12"	16965 lbs.

**CONCRETE SUPPORT BLOCKING FOR BUTTERFLY VALVE INSTALLATION**

**VALVE STEM EXTENSION DETAIL**

**2" BLOWOFF ASSEMBLY**

**STANDARD WATER ASSEMBLY DETAIL**

**CITY OF WICHITA**  
PUBLIC WORKS & UTILITIES ENGINEERING DIVISION

**JAMES L. ARMOUR, P.E., L.S.**  
CITY ENGINEER

PROJECT NUMBER: \_\_\_\_\_ OCA NUMBER: \_\_\_\_\_ DATE: 12/2011

CITY ENGINEER'S OFFICE: CITY HALL - SEVENTH FLOOR, 455 NORTH MAIN STREET, WICHITA, KANSAS 67202-1620, (316) 268-4501

SHEET: \_\_\_\_\_ of \_\_\_\_\_

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