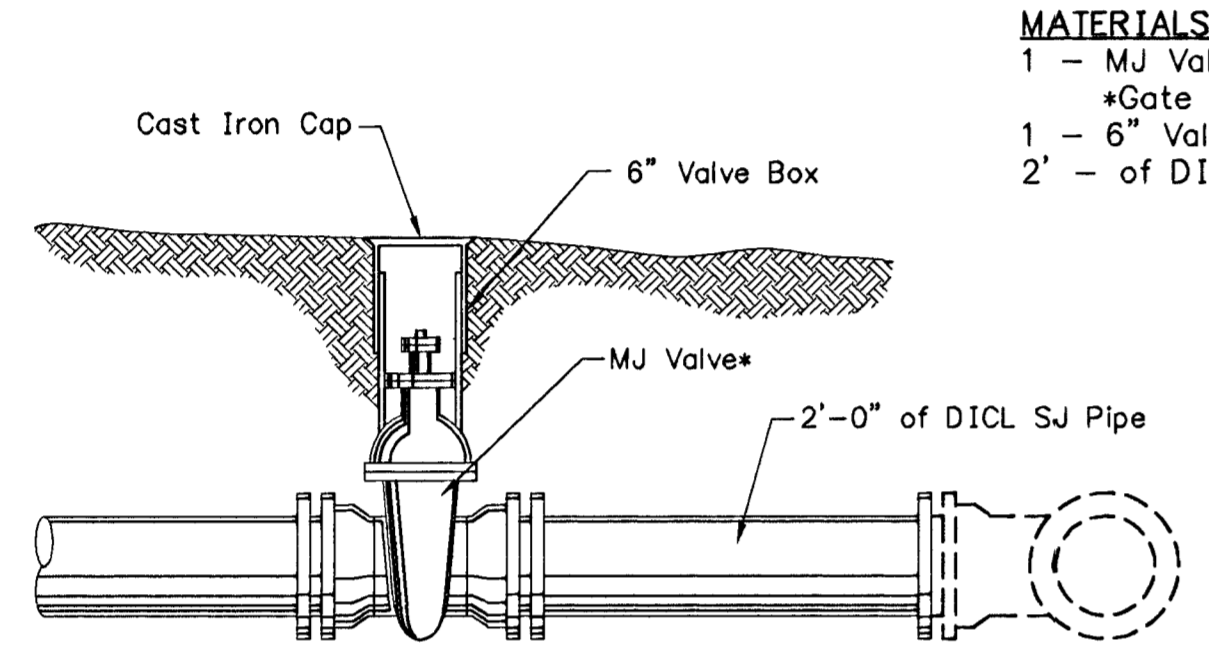


**LINE VALVE ASSEMBLY**

\* See Plans for the Type of Valve to be Used.

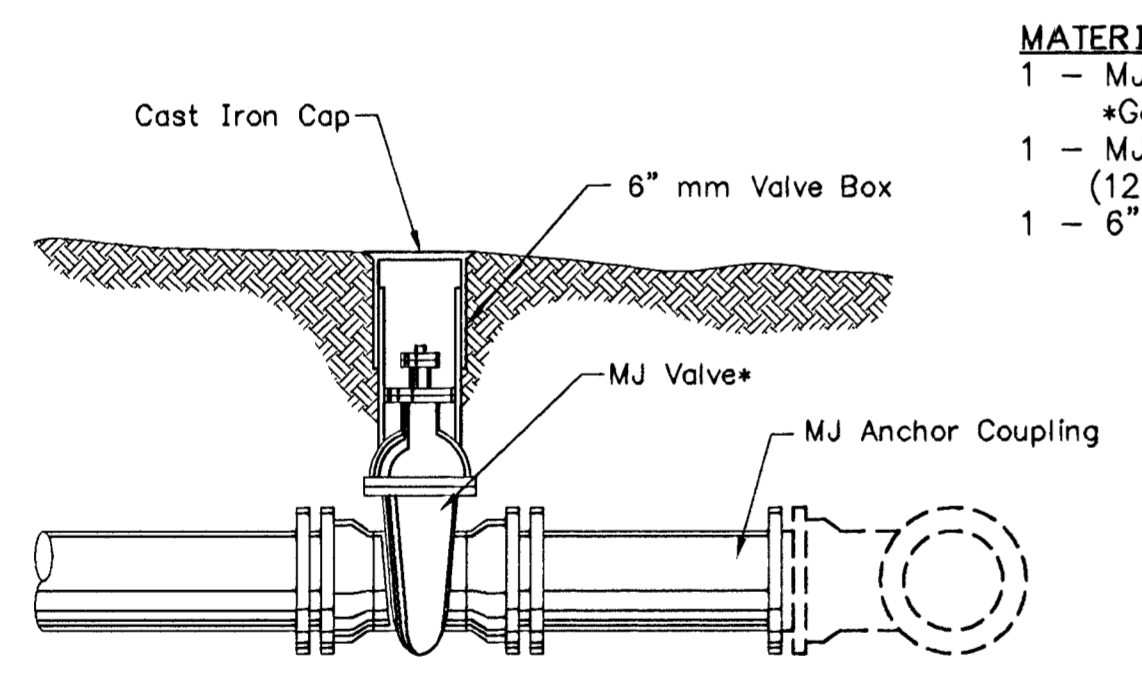
- MATERIALS LIST**  
 1 - MJ Valve  
 \*Gate or Butterfly  
 1 - 6" Valve Box  
 2 - Ring Tight Couplings  
 2 - MJ Bell Adaptors



**VALVE ASSEMBLY**

\* See Plans for the Type of Valve to be Used.

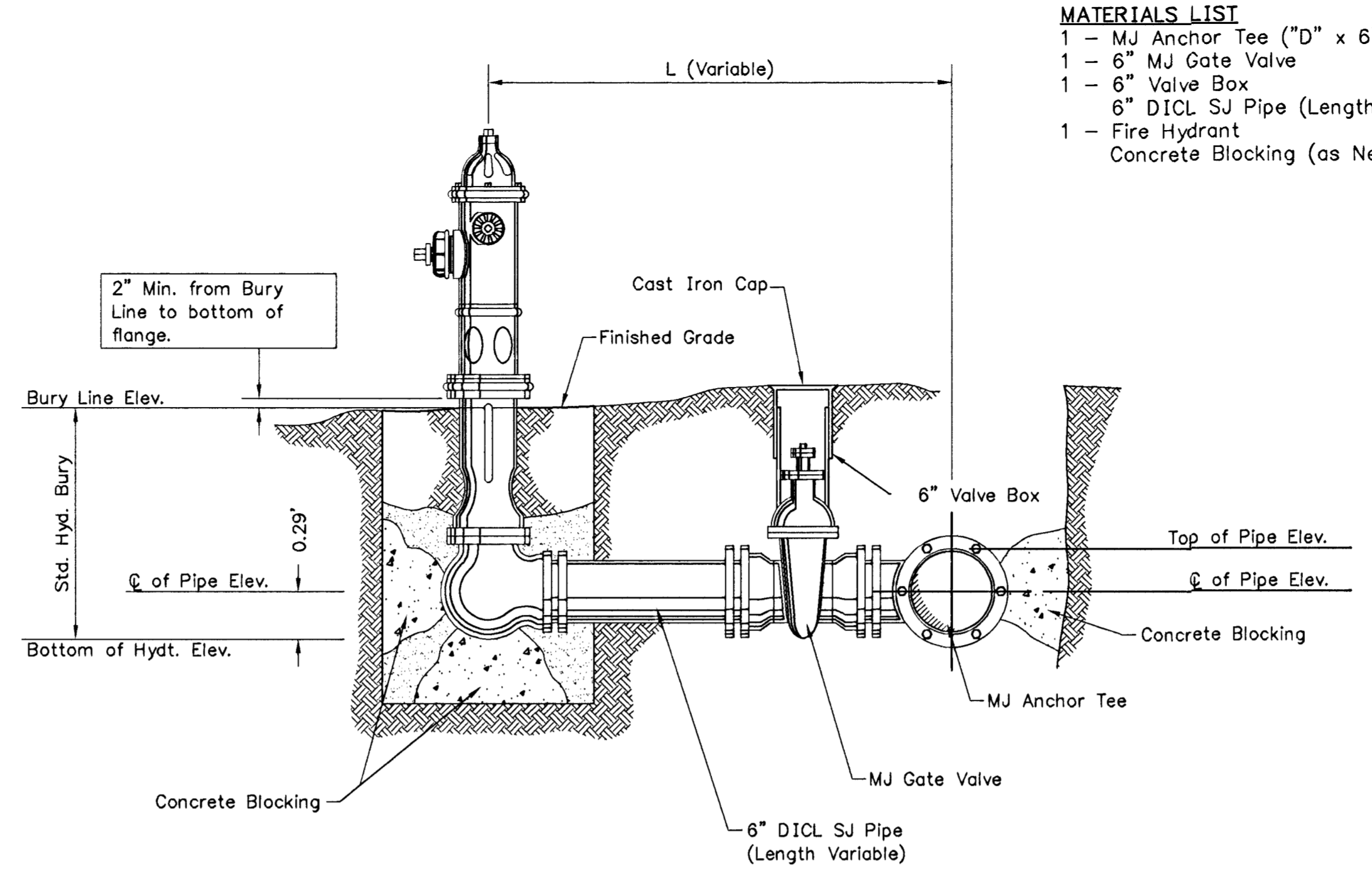
- MATERIALS LIST**  
 1 - MJ Valve  
 \*Gate or Butterfly  
 1 - 6" Valve Box  
 2' - of DI CL SJ Pipe



**ANCHORED VALVE ASSEMBLY**

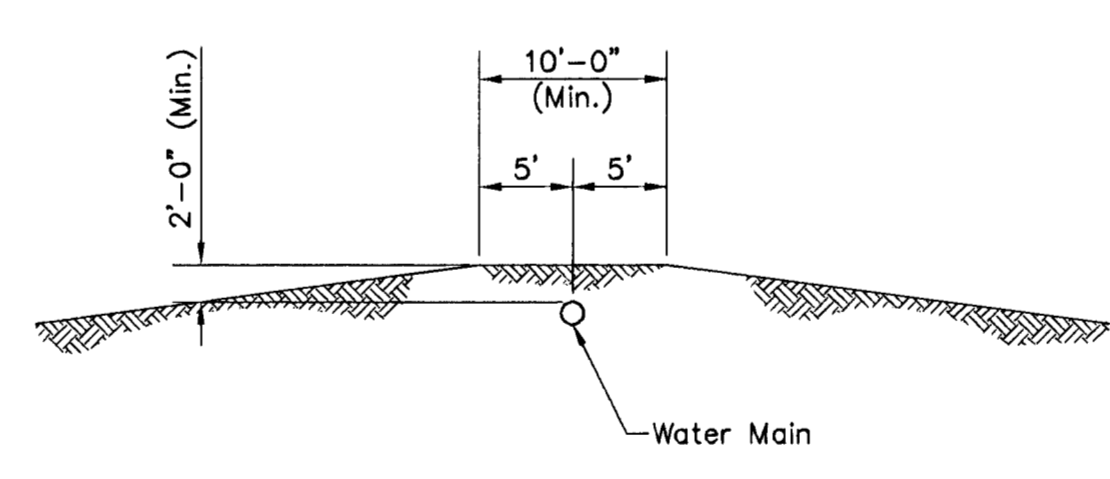
\* See Plans for the Type of Valve to be Used.

- MATERIALS LIST**  
 1 - MJ Valve  
 \*Gate or Butterfly  
 1 - MJ Anchor Coupling (12" or Smaller)  
 1 - 6" Valve Box



**FIRE HYDRANT ASSEMBLY**

FIRE HYDRANTS REQUIRED			
STATION	BURY LINE ELEVATION	TOP OF PIPE ELEVATION	FIRE HYDRANT BURY REQ'D
99+20.00	1297.75	1293.79	4.5
106+27.00	1296.40	1292.94	4.0



**PROTECTIVE FILL DETAIL**

Minimum protective fill shall be provided in all instances where cover over the proposed water line is less than two (2) feet (cost subsidiary to pipe installation).

- MATERIALS LIST**  
 1 - MJ Anchor Tee ("D" x 6")  
 1 - 6" MJ Gate Valve  
 1 - 6" Valve Box  
 6" DI CL SJ Pipe (Length Var.)  
 1 - Fire Hydrant  
 Concrete Blocking (as Needed)

**GENERAL NOTES**

- Contractor will be required to provide a minimum advance notice of twenty-four (24) hours to utility companies prior to starting excavation as follows:  
 Kansas One-Call 687-2470  
 The Contractor must notify the following in case of an emergency:  
 Cablevision 687-2470 or 263-2061  
 K.P. & L. Gas Service Company 263-7511  
 Kansas Gas & Electric 264-1141  
 Arkla Gas Company 942-8350 or 263-8161  
 Southwest Bell Telephone Co. 268-2245  
 City of Wichita Water Dept. 268-4908  
 City of Wichita Sewer Maint. 268-4071
- All water mains and appurtenances shall be installed in accordance with City of Wichita, Kansas Standard Specifications for Water Main Installations No. 145.33.
- The water main shall be constructed on the alignment shown by the plans. Trees and shrubs in public right-of-way which are in direct conflict with proposed new construction shall be removed by the Contractor with the Engineer's approval. Trees and shrubs which are not in direct conflict with proposed new construction shall be saved and protected from damage. The cost for any necessary tree trimming, clearing and/or grubbing shall be included in the price bid for the installed water main pipe. Trees indicated by ⊗ to be paid for by unit price.
- Opening and closing water valves shall be done slowly to prevent damage to the water distribution system from water hammer. All valves closed by the contractor must be reopened as new construction permits. Project inspector must ascertain that any valve closed by the contractor is reopened. Contractor will be permitted to operate water valves only when the project inspector assigned to the project is present.
- Contractor shall not start work on the project until the project inspector is assigned to the project and is present on the site. Any work done without inspection will be required to be uncovered for inspection.
- Underground utility service lines and overhead utility pole lines are to be adjusted as necessary by others prior to construction unless the plans specifically call for their adjustment by the Contractor or unless the plans specifically identify a utility to be adjusted by its owner during construction. Existing utilities and their location, as shown on the plans, represent the best information obtainable for design. Location information has been obtained from various utility companies and is either from company record drawings or company provided field locations. The Contractor will be required to work around existing utilities within the right-of-way which do not conflict with proposed construction.
- Rubble from the removal of miscellaneous structures and excess excavation which is to be wasted shall be disposed of on sites to be provided by the Contractor. These sites shall be approved by the Engineer as to suitability, appearance and site location. Locations that, in the opinion of the Engineer, will leave an unsightly appearance will not be approved.
- The Contractor shall be responsible for preserving property irons. The Contractor will be required to re-establish any property irons which are damaged or destroyed by his construction operations. Such irons shall be re-established by a licensed land surveyor in accordance with state laws.
- Shoring and trenching to be in accordance with OSHA standards. The Engineer reserves the right to add additional safety requirements as deemed advisable for the safe installation of the project. Cost to be subsidiary to project, not to be paid separately.
- Dewatering may be necessary. Cost of such dewatering shall be subsidiary to the project and not paid separately.
- Fire Hydrants removed shall be returned to the Wichita Department Material Equipment Yard at 1701 Sim Park Drive.

SURV. PLOT CADD DES. DR. IR. CKD. APP. Last Plot-Date: 09/14/95 Plot-Time: 11:16 A.M.

CITY OF WICHITA  
 FIRST STREET  
**WATER ASSEMBLY DETAILS  
 & GENERAL NOTES**

**Booker ASSOCIATES INC.**  
 OF KANSAS  
 Wichita Kansas

SCALE N.T.S. DATE MAY, 1997 DWG. NO. K9540