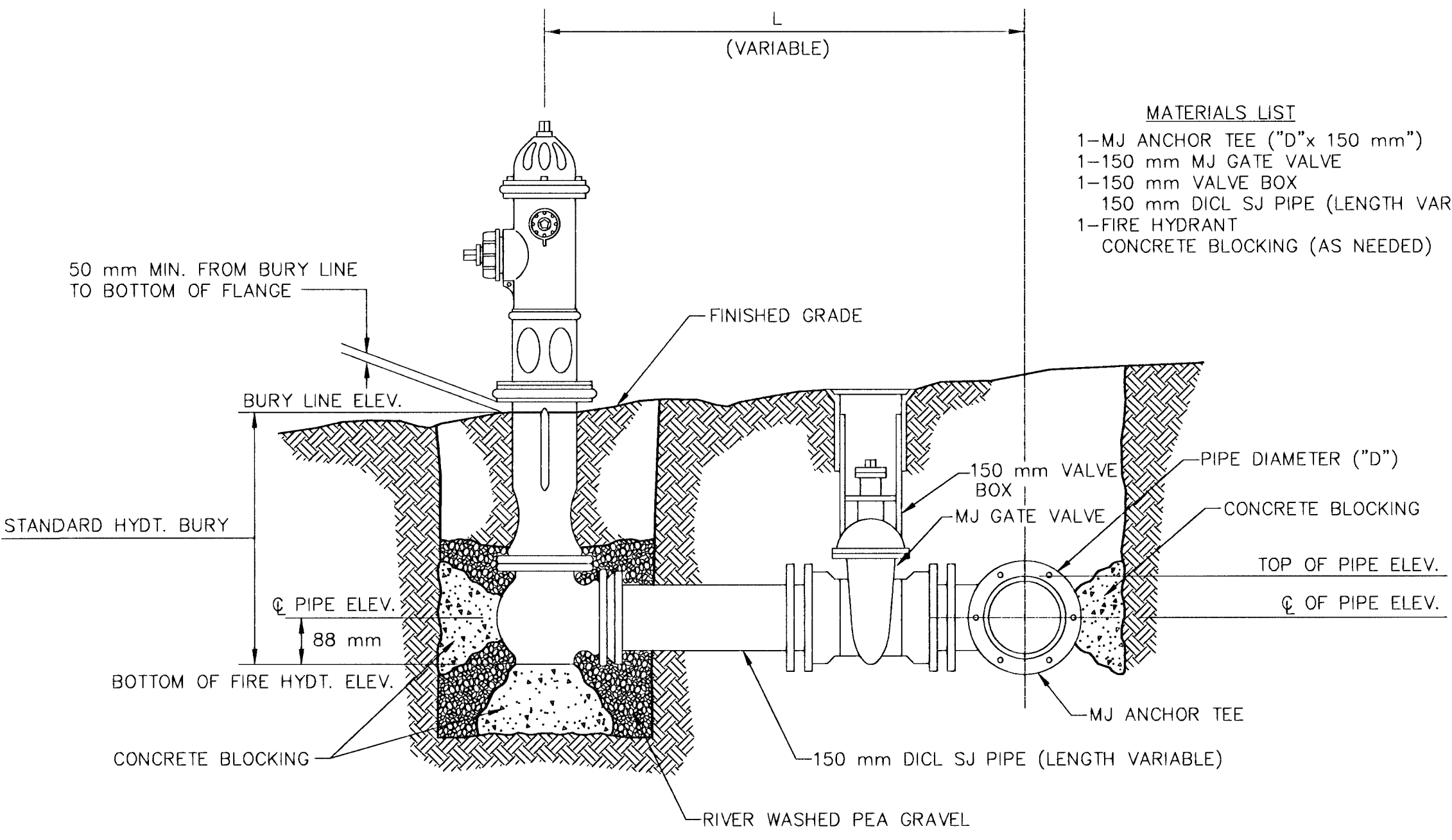
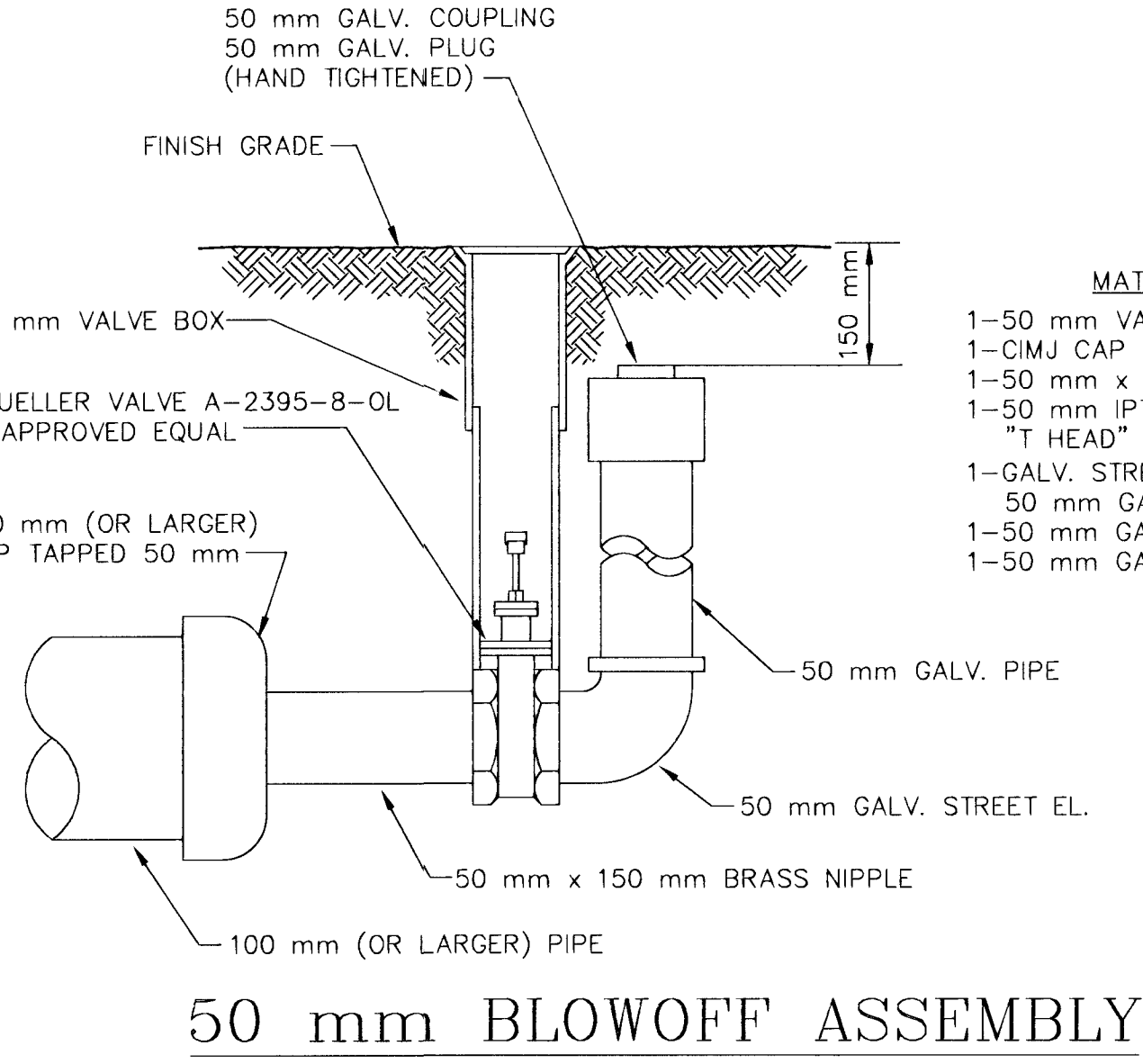
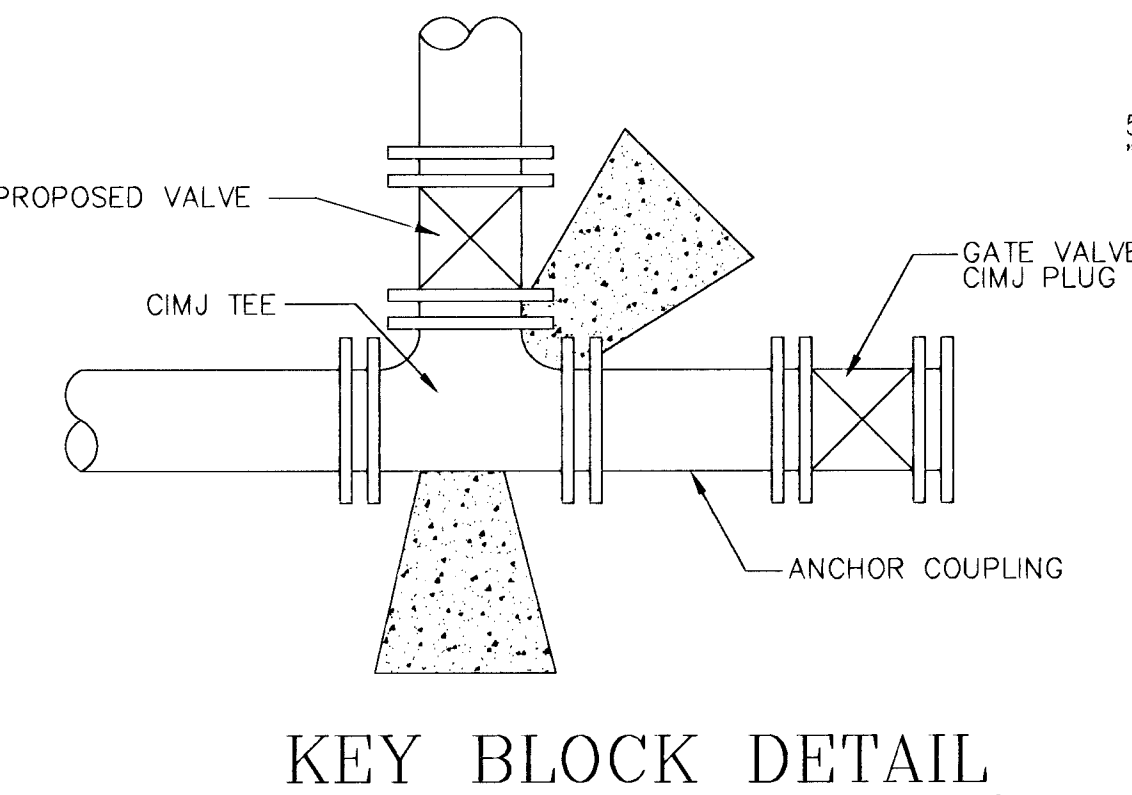
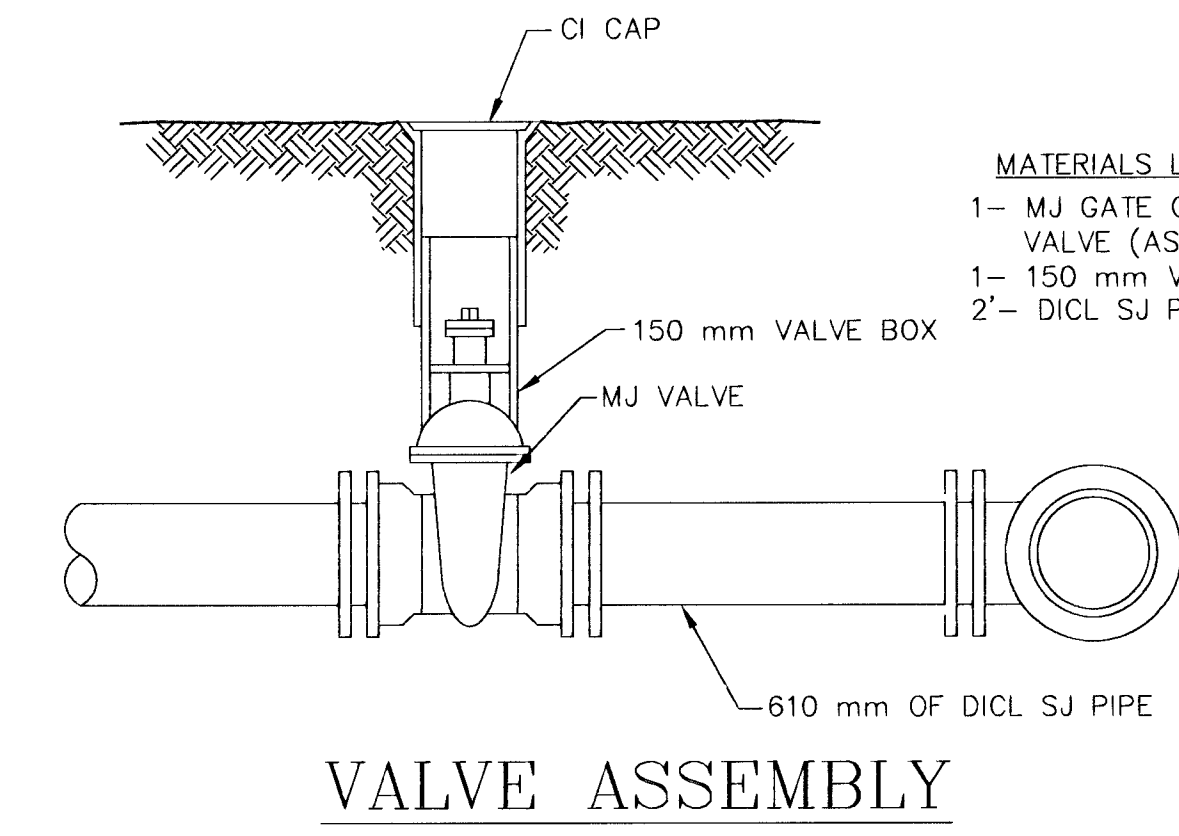
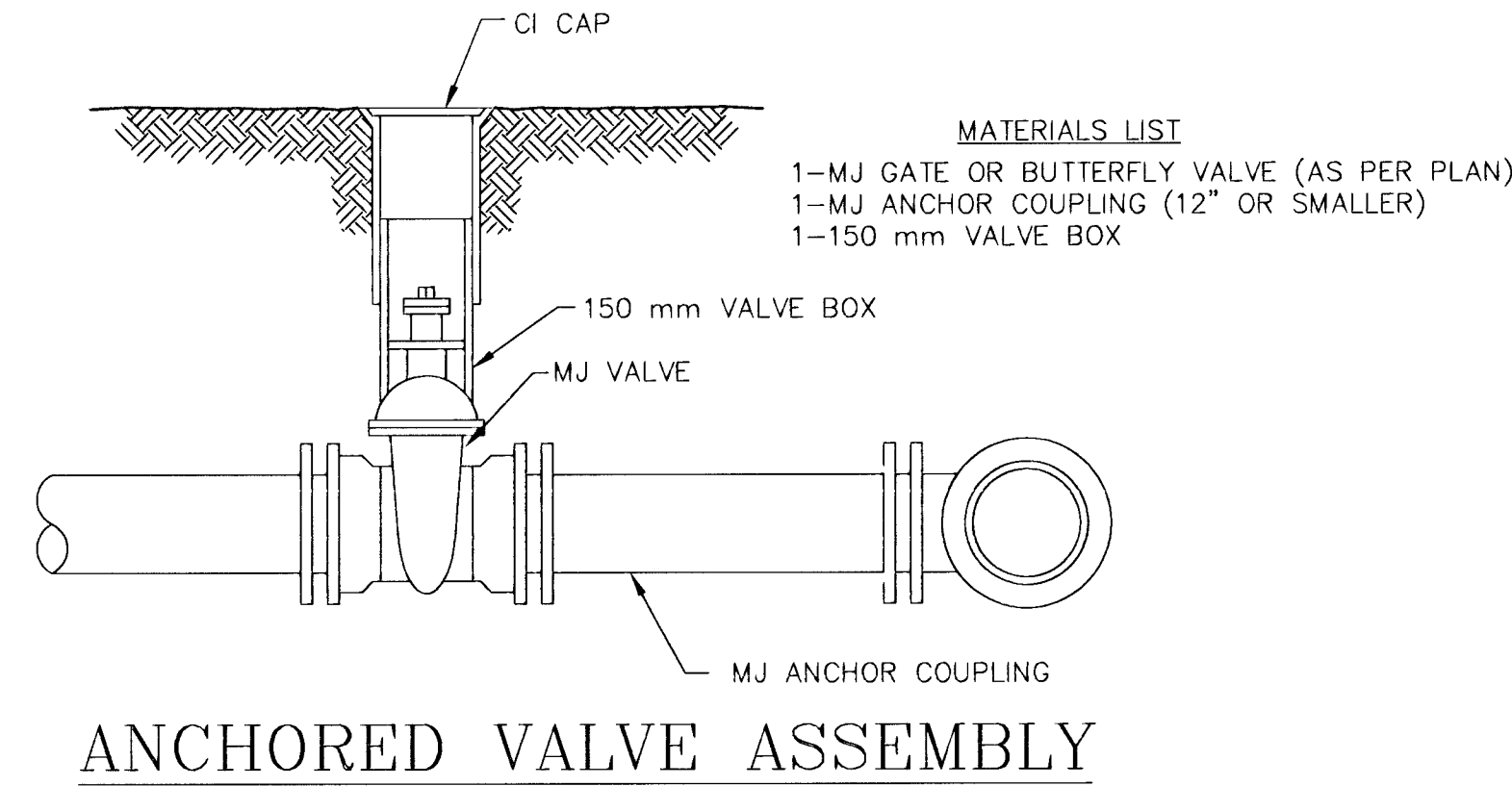
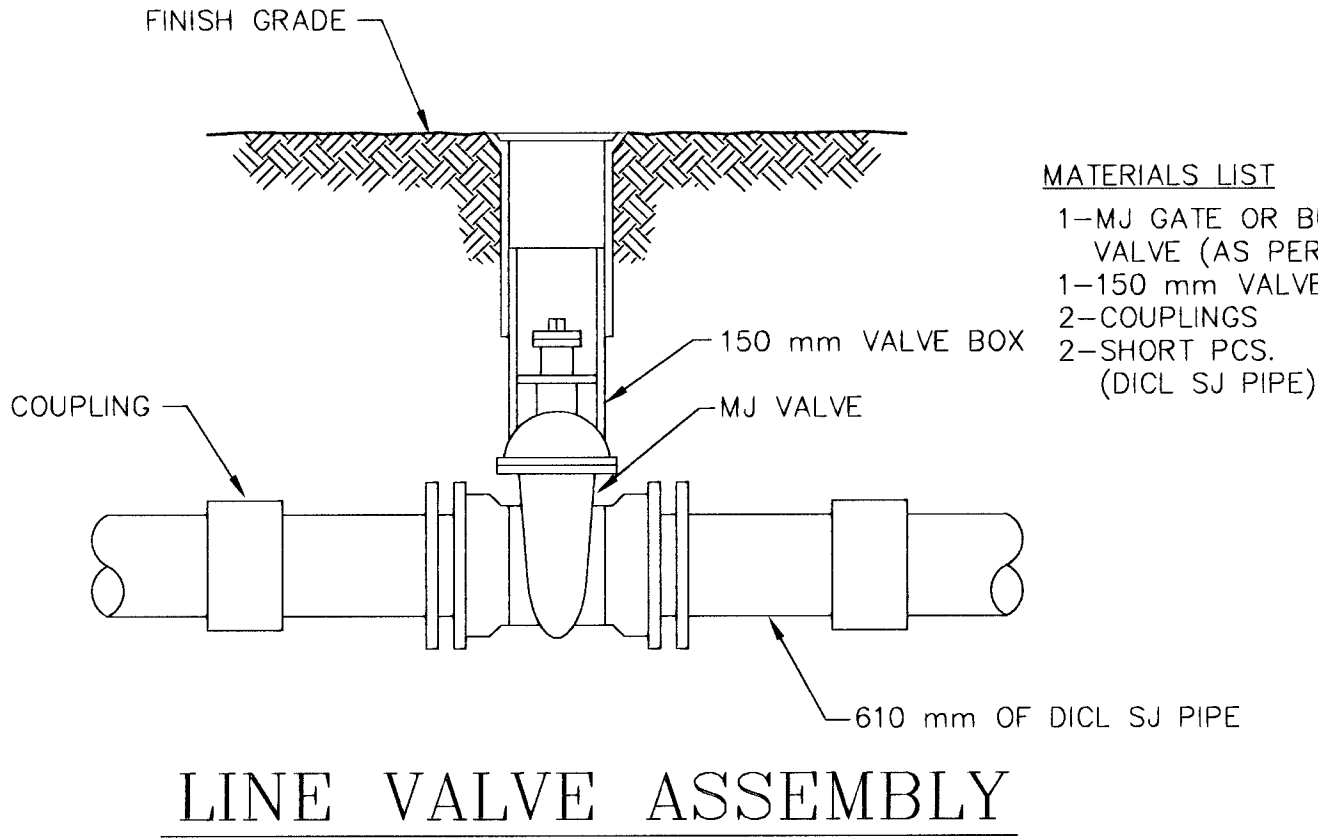
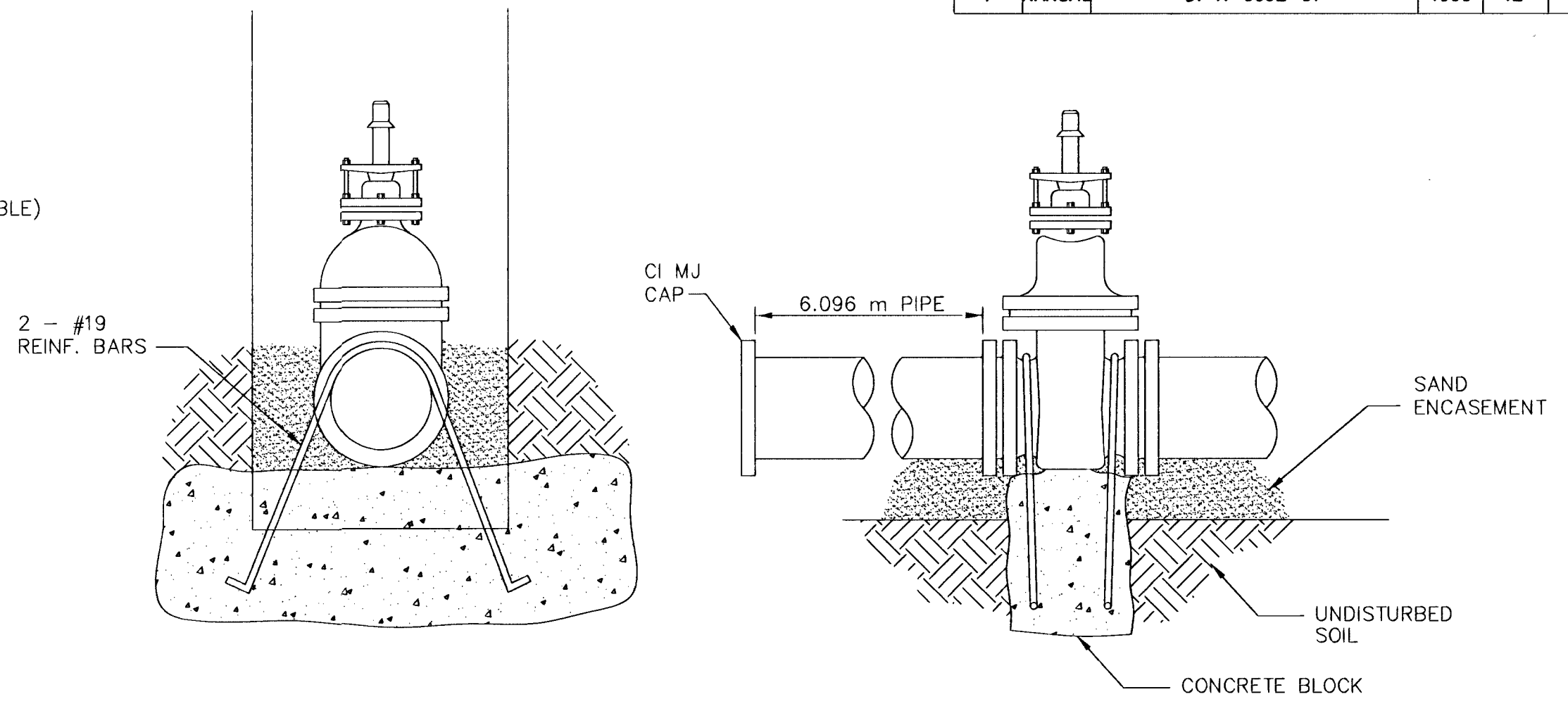




FIRE HYDRANT ASSEMBLY
PER CITY OF WICHITA SPECIFICATIONS

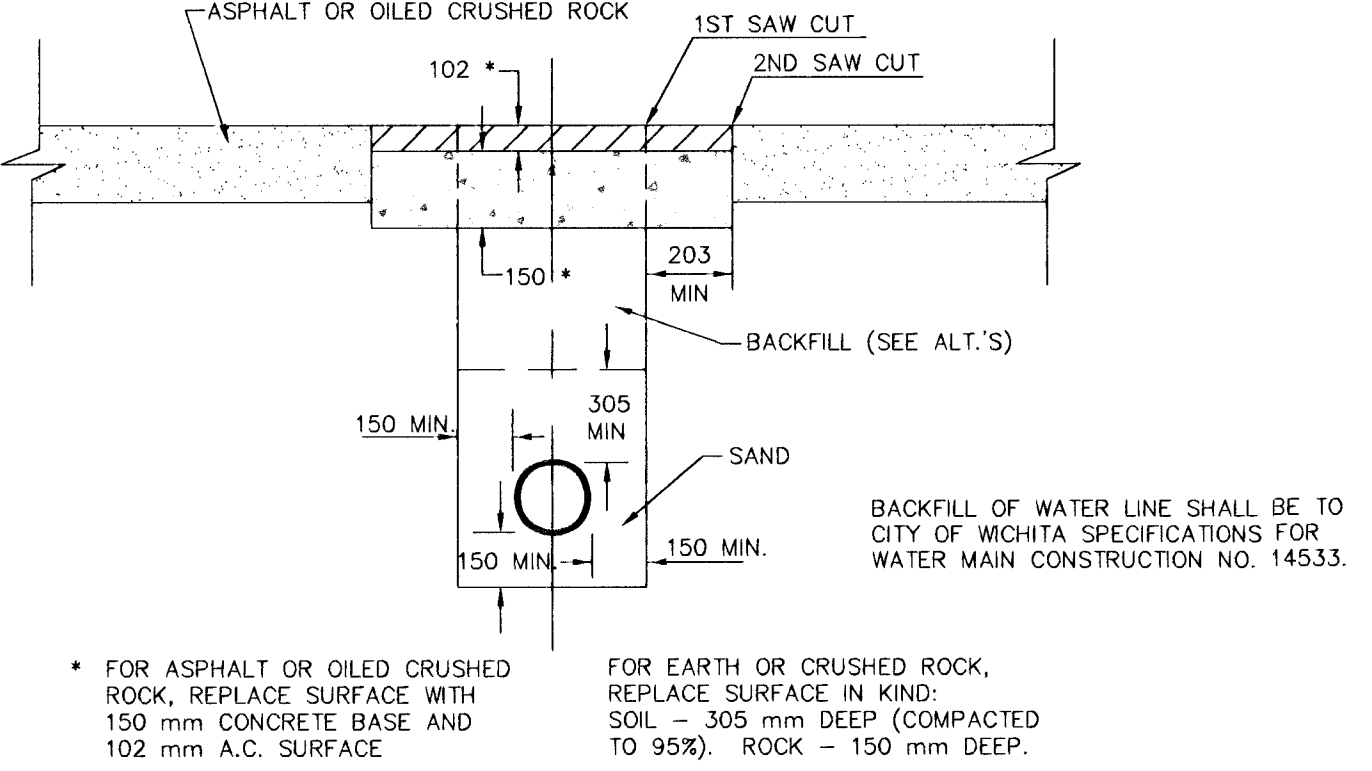
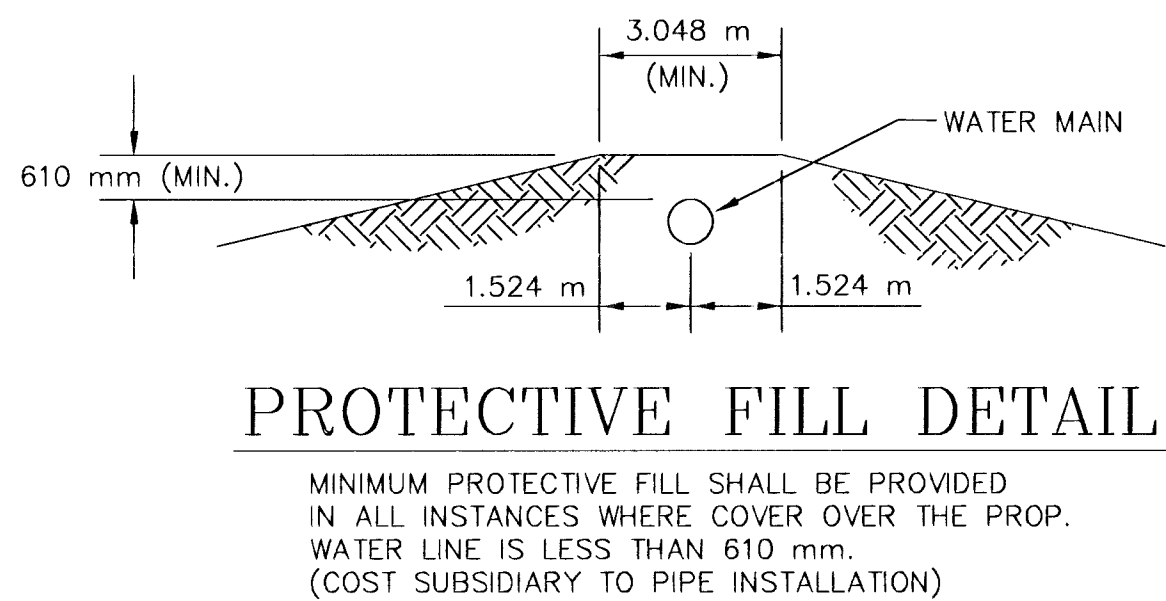
FIRE HYDRANTS REQUIRED			
STATION	BURY LINE ELEVATION	TOP OF PIPE ELEVATION	FIRE HYDRANT BURY REQUIRED
5+837.638 RT.	36.855	35.400	1.64

IF HYDRANT BURY IS IN EXCESS OF 1.524 m, CONTRACTOR SHALL USE STANDARD 1.524 m HYDRANT BURY AND HYDRANT BARREL EXTENSIONS AS NECESSARY.



THRUST AT VALVES	
VALVE	THRUST AT 150 #/sq
100 mm	1809 lbs.
150 mm	4245 lbs.
200 mm	7540 lbs.
305 mm	16965 lbs.

ANCHORED VALVE ASSEMBLY, SPECIAL



- ALTERNATE BACKFILL METHODS**
A. CRUSHER RUN ROCK OR SOIL, FREE OF DEBRIS AND DELETERIOUS MATERIAL MAY BE USED WHEN COMPACTED TO A MINIMUM OF 90% DENSITY. BACKFILL IS SUBJECT TO APPROPRIATE IN-PLACE DENSITY TESTS.
B. LEAN MIX CONCRETE FOR BACKFILL MAY BE USED IF VIBRATED TO FILL ALL VOIDS.
C. CRUSHED ROCK FOR BACKFILL SHALL CONSIST OF 25 mm MAXIMUM TO 6 mm MINIMUM CLEAN AGGREGATE, MANIPULATED AND COMPACTED TO ESTABLISH A FIRM INTERLOCK OF PARTICLES.
- ALL CUTS**
ALL CUTS SHALL BE EITHER PLATED OR FILLED WITH COLD MIX AS A TEMPORARY SURFACE IF FINAL SURFACE CANNOT BE INSTALLED.
- CLEANUP**
ALL EXCESS MATERIAL, DEBRIS, MUD AND OTHER FOREIGN MATTER SHALL BE REMOVED FROM THE STREET RIGHT-OF-WAY IN A MANNER THAT RESTORES THE SURFACE TO ITS ORIGINAL CONDITION.

STREET CUT RESTORATION
ASPHALT PAVEMENT

THE CITY OF WICHITA
CITY ENGINEER'S OFFICE
CITY HALL - SEVENTH FLOOR
455 NORTH MAIN STREET
WICHITA, KANSAS 67202
(316) 268-4501
(316) 268-4114 FAX

STANDARD WATER ASSEMBLY DETAILS

M. E. LINDEBAK P.E. - CITY ENGINEER

PROJECT NUMBER 448-89078	KVE PROJ. NO. A01827
DATE JULY 1999	SHEET 12 OF 75