

FIRE HYDRANT

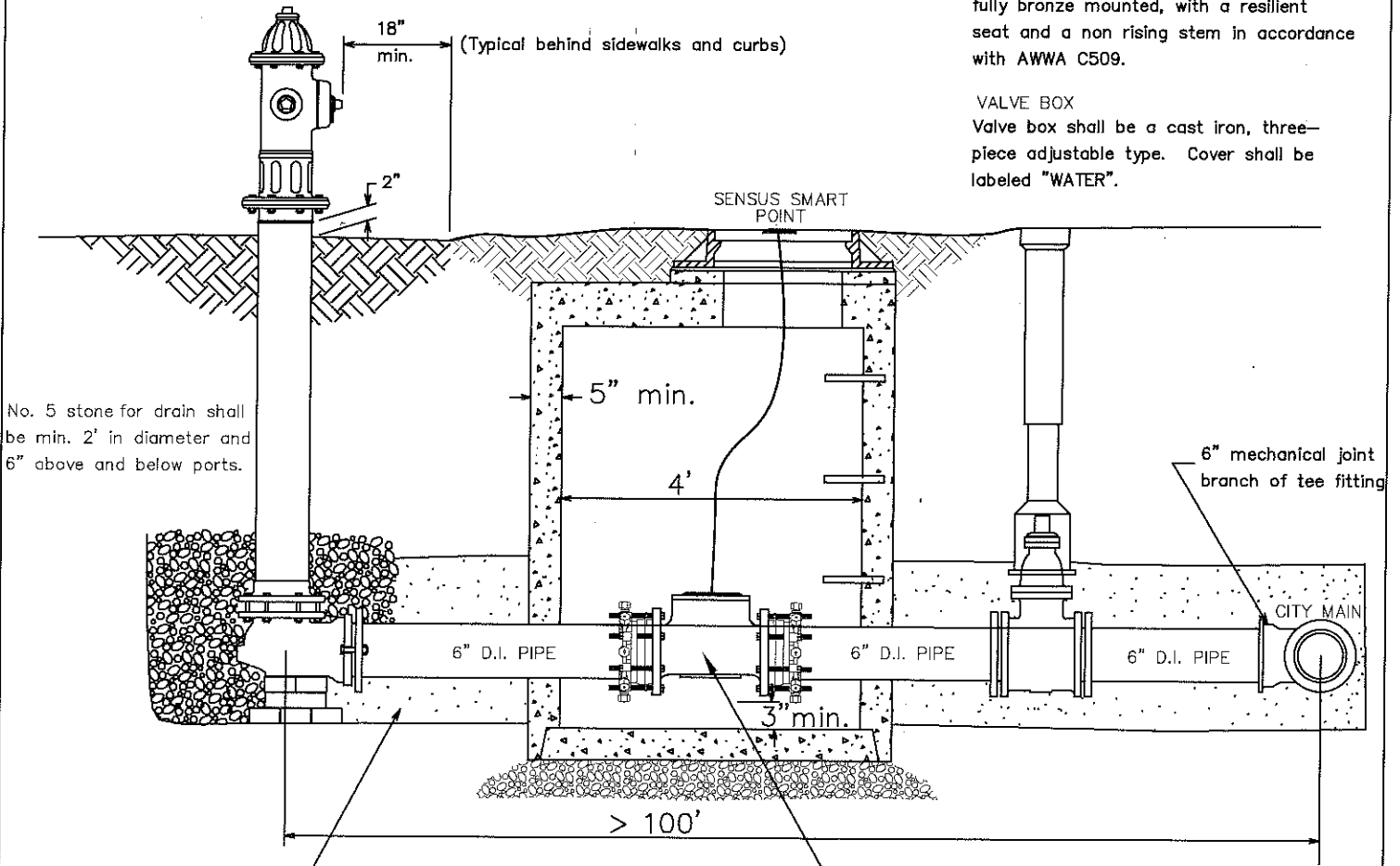
Fire hydrants shall conform to ANSI/AWWA C502 and must be Kennedy Guardian model KB1 or Mueller Super Centurion 200 (catalog no. A-423) or Waterous Pacer Classic. These are dry-barrel type firehydrants with a 5." main valve opening, two hose nozzles and one pumper nozzle. Hydrants shall have a mechanical joint type connection and shall be painted according to 4.4.4.4. FIRE HYDRANTS.

Install fire hydrant at a minimum of 2' from structures or obstructions and set the hydrant bury line 2" above finished grade. The pumper nozzle must face the street.

- NOTES**
1. For connection to existing water mains, a 6" tapping valve and saddle shall be used in place of the gate valve and anchor coupling.
 2. The manhole lid must not be subject to vehicular traffic, or any other condition in which the sensus smart point will be crushed or otherwise destroyed.

6" M.J. GATE VALVE (See Note 1)
 Gate valves shall be cast iron body, fully bronze mounted, with a resilient seat and a non rising stem in accordance with AWWA C509.

VALVE BOX
 Valve box shall be a cast iron, three-piece adjustable type. Cover shall be labeled "WATER".



No. 5 stone for drain shall be min. 2' in diameter and 6" above and below ports.

PIPE BEDDING
 4" of no. 11 stone in soil or
 6" of no. 11 stone in rock

BACKFILL
 No. 11 stone from bedding to 1' over top of pipe.
 Compacted No. 53 stone beneath and within 5'
 of pavement or clean native soil in other areas.

SINGLE DETECTOR CHECK VALVE W/BYPASS IN FLAT TOP MANHOLE IF HYDRANT IS > THAN 100' FROM CITY MAIN