Install hydrants that are a combination freezeless and standard operating units or freezeless and self-closing (as designated on the plans), of a design and construction approved by the Engineer and equipped with approved model accessory attachment as indicated. Install riser pipe for hydrants that is one inch I.D. galvanized water pipe.

After the water line (to the last hydrant on the line) has been placed and inspected, test the line under 100 pounds per square inch of air pressure with soap and water (or other proven means) to ensure the line is free of leaks. Maintain such pressure for 24 hours. Upon successful completion of inspection and testing, return excavated material to the trench and tamp. Install either type "K" copper or galvanized pipe water lines for rim flush basin.

The Contracting Authority will furnish advisory signs and a single 4 inch x 4 inch post. Mount signs back-to-back on the post. The Engineer will determine the exact location at the time of installation.

Details shown for hatch cover are typical. Install a self-closing cast bronze type of a design and construction approved by the Engineer and with a handle shaped to ensure self-closing feature.

1. Copper tube connection. Place hydrant drain a minimum of 2 inches above porous backfill to ensure proper operation.
2. Position 8 inch I.D. Standpipe so that no damage will result to the normal operation of water lines and drain tile located in the immediate vicinity.
3. Block standpipe to prevent concrete from entering pipe during construction of slab.
4. Ensure inside of standpipe is void of material.
5. 4 inch cast iron threaded base with bronze cover and handle and provisions for locking. VAREC 42 Series Hatch or equivalent.
**ADVISORY SIGNS**

 Facing Traffic  
 Facing Facility

**DETAIL 'A'**

- Pipe cap with drilled hole for 1'' riser pipe
- Hydrant
- Weld
- Air Gap
- 1'' Riser Pipe
- 1/2'' Encasement Pipe (Cast Iron)
- 4'' min. May require extension on hydrant
- 4'' to 1/2'' (min.) Reducer with approved rustproof strainer with 1/2'' openings
- Rigid Handle
- 1/2'' Square Steel
- Bronze Hatch Cover Assembly
- Place flush with basin floor surface
- Special shaping to allow cover to fully open
- Removable Bar Screen (install in nipple)
- 4'' Screen Stop (install in nipple)
- 4'' I.D. Nipple
- 24''
- 4'' I.D. Cast Iron Pipe
- 6'' I.D. Reducer
- 1/2'' Screen Stop

**DETAIL 'B'**

- 4 inch cast iron threaded base with bronze cover and handle and provisions for locking.
- VAREC 42 Series Hatch or approved equivalent.

**TYPICAL SECTION**

- WWF 6'' x 6'' - W2 reinforcing. Trowel inside surface of basin to a very smooth surface.
- Long sweep 1/2 bend on 1 1/2'' riser with "Y" for two 1'' connections
- Hatch Cover
- 2'' Orifice
- 1'' Riser
- 1/2'' Riser
- Depressed area for cover handle
- 5'' min.
- 4'' min.
- 18'' min.
- 6'' min.
- WWF 6'' x 6'' - W2 reinforcing. Trowel inside surface of basin to a very smooth surface.
- 1'' lines (approx. the same length)

**PLAN**

- RIM FLUSH BASIN

**REVISIONS:**

- "model 41" to "Series 42 Hatch or equivalent".
- Replaced logo.
- Modified general notes.
- Modified note 5 to change "Install in nipple" to "Install in nipple and provisions for locking."

**APPROVED BY DESIGN METHODS ENGINEER**

**SW-350**

**STANDARD ROAD PLAN**

**TRAVEL TRAILER**

**DUMP STATION**