

# Sump Pump Connection Design Criteria

## Municipal Drainage System Connection

- Cover
  - Gravity pipe – 2' min within roadways; 1' min everywhere else
  - Pressure pipe – 4' min or pipe must drain
- Connect to a structure (CB or DMH), inline connections not allowed.
- Installing pipe in ROW outside edge of pavement in front of adjacent properties will require approval of, and signed agreement with the abutter.

## On-Site Infiltration systems

- Designed by a Professional Engineer
- Comply with infiltration rates and sizing per Massachusetts Storm water Handbook.
- Provide Test pit and Soils evaluation at system location
- Determine seasonal high groundwater.
- Provide minimum of 1 foot of separation from bottom of system and groundwater elevation.
- Minimum design capacity - 1,200 GPD
- Overflow must be incorporated into design
- Setbacks
  - Building foundation – 10' min
  - Private well – 100' min
  - Property line – 10' min
  - Surface water – 50' min

## Typical Details

