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**Reference:   Town of Belmont, MA  
                  Sampling Protocol**

Belmont's storm drain outfalls that discharge to the Mystic River Watershed have been located and documented during prior Illicit Discharge Detection and Elimination (IDDE) investigations. Dry and wet-weather sampling will be conducted at all outfalls, including Wellington Brook (WellB1 & WellB2) and Normandy Terrace.

The sampling program will follow the guidelines described in the EPA New England Bacterial Source Tracking Protocol (Draft – January 2012) and the MS4 permit. Sampling crews will have appropriate sample collection equipment, field test kits, a field probe and a cooler with ice for samples to be delivered to the laboratory. Outfalls exhibiting no flow during dry-weather sampling will be sand-bagged for a period of 48 hours, after which a sample will be obtained from any accumulated liquid. Dry-weather and wet-weather sampling will be conducted from 7:00 AM – 10:00 AM, during the peak sewer use period. The following parameters will be measured for each sample:

- Laboratory Analysis
  - E. coli (235 cfu/100ml)
  - Enterococcus (61 cfu/100ml)
- Field Test Kits
  - Ammonia ( $\geq 0.5$  mg/l)
  - Total Chlorine ( $>$  reporting limit)
  - Surfactants ( $\geq 0.25$  mg/l)
- Field Probe
  - Temperature
  - Salinity
  - Conductivity

For outfalls which exceed the parameter thresholds, upstream tributary sampling will be conducted at key junction manholes. This process will continue until isolated areas are identified for more intensive investigations, including CCTV of sewer and storm drains, house inspections and dyed water tracing.



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Upon your review of this sampling protocol, please provide any input which may improve the effectiveness and efficiency of the program.

Very truly yours,

**STANTEC CONSULTING SERVICES INC.**

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