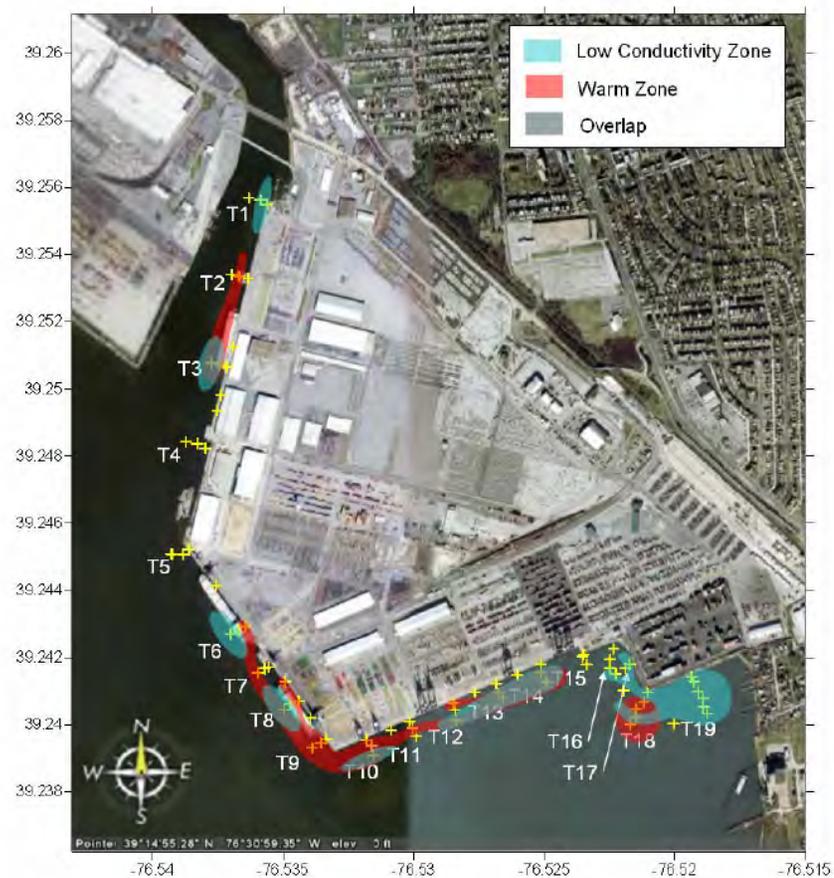


a. December 2006 groundwater upwelling survey results



b. October-November 2007 groundwater upwelling survey results

Figure 4-18
 Groundwater Upwelling Survey Results
 Chromium Transport Study
 Dundalk Marine Terminal, Baltimore, Maryland

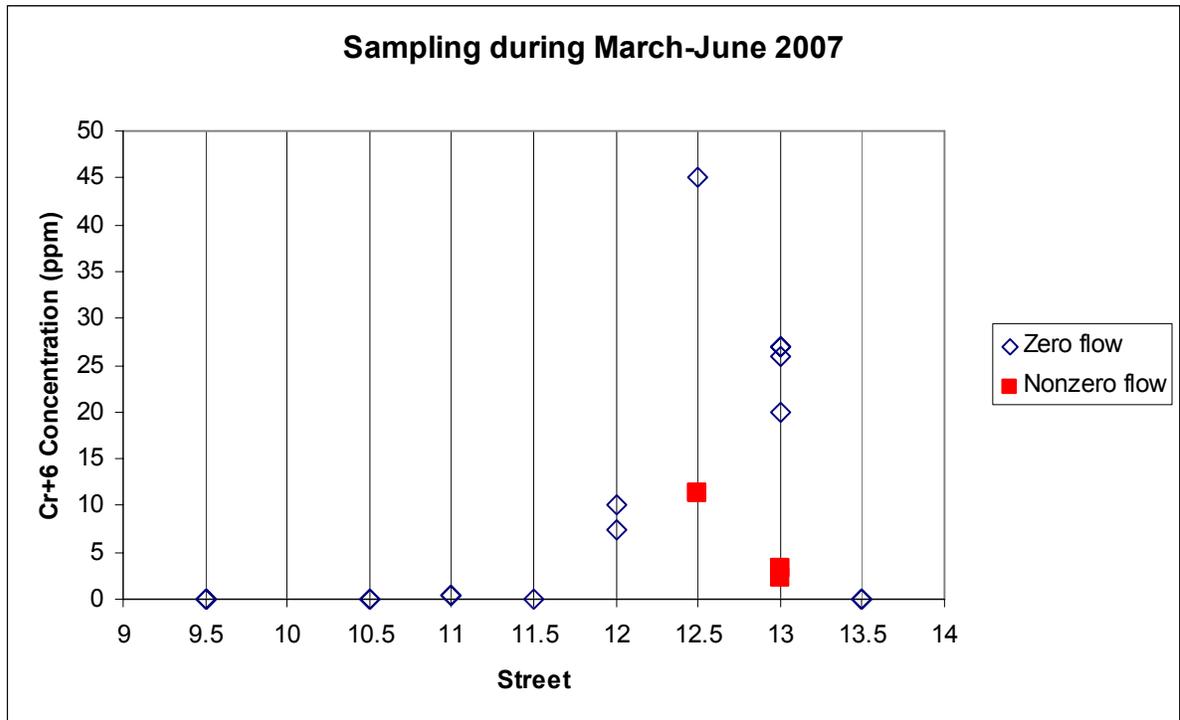


FIGURE 4-19a
 Summary of Storm Drain Hexavalent Chromium Concentrations during the Spring 2007 Sampling
 "Nonzero flow" indicates that there was no flow (sample was collected from standing water) or flow was negligible.

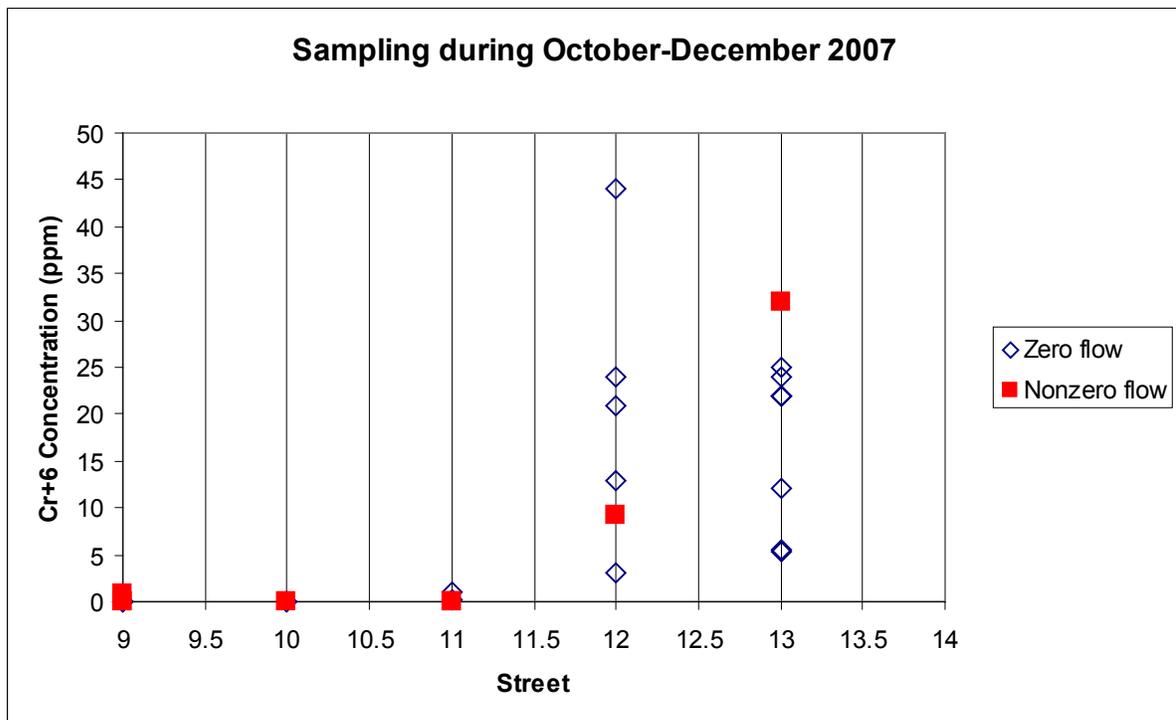
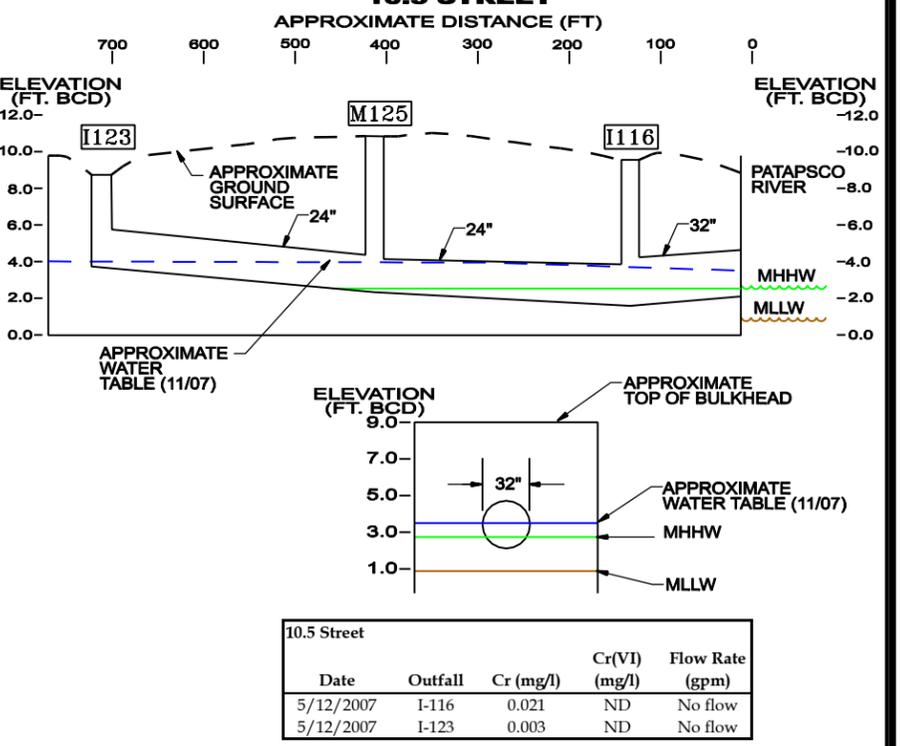
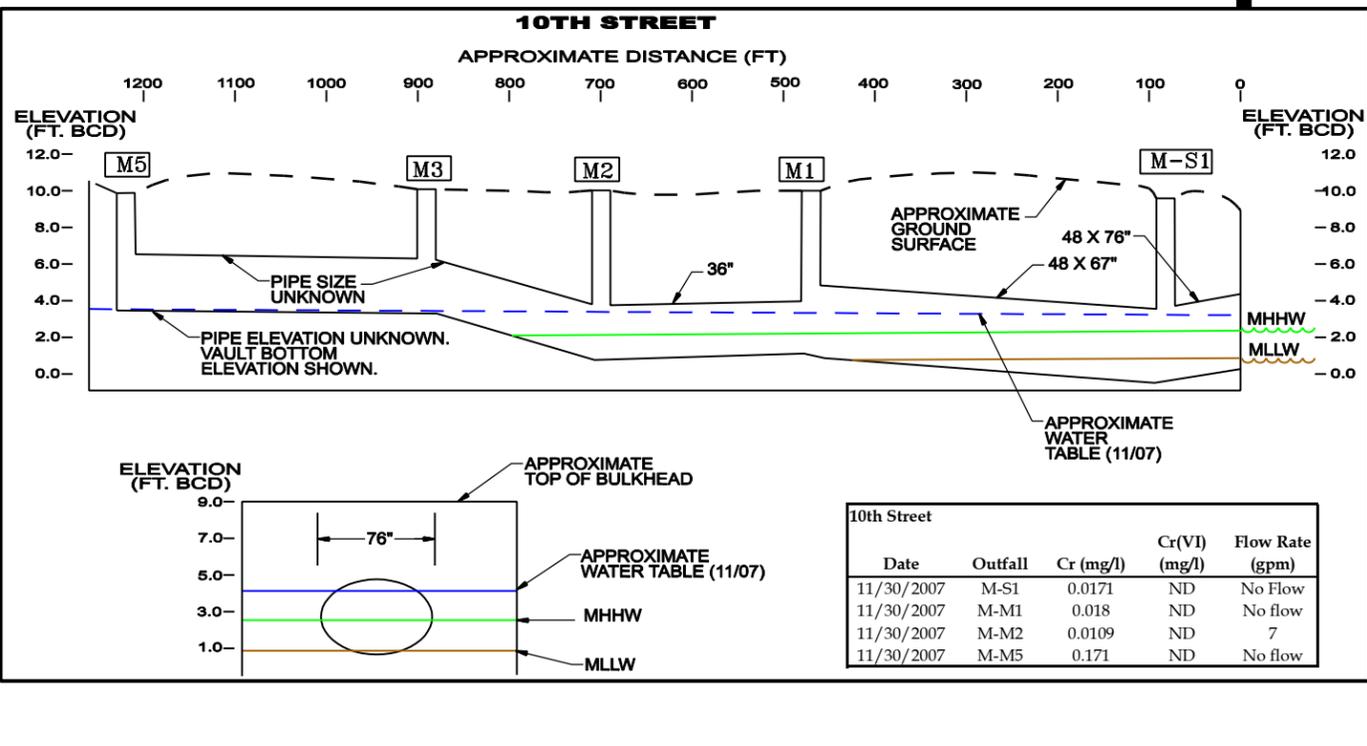
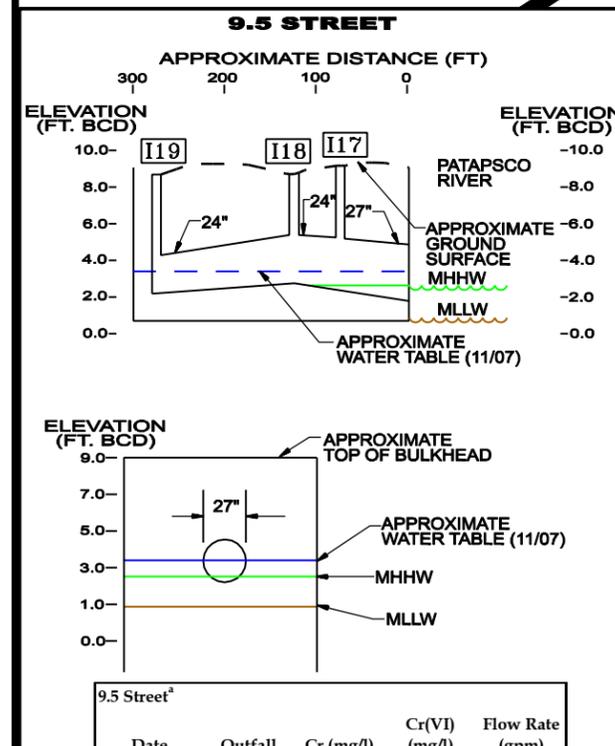
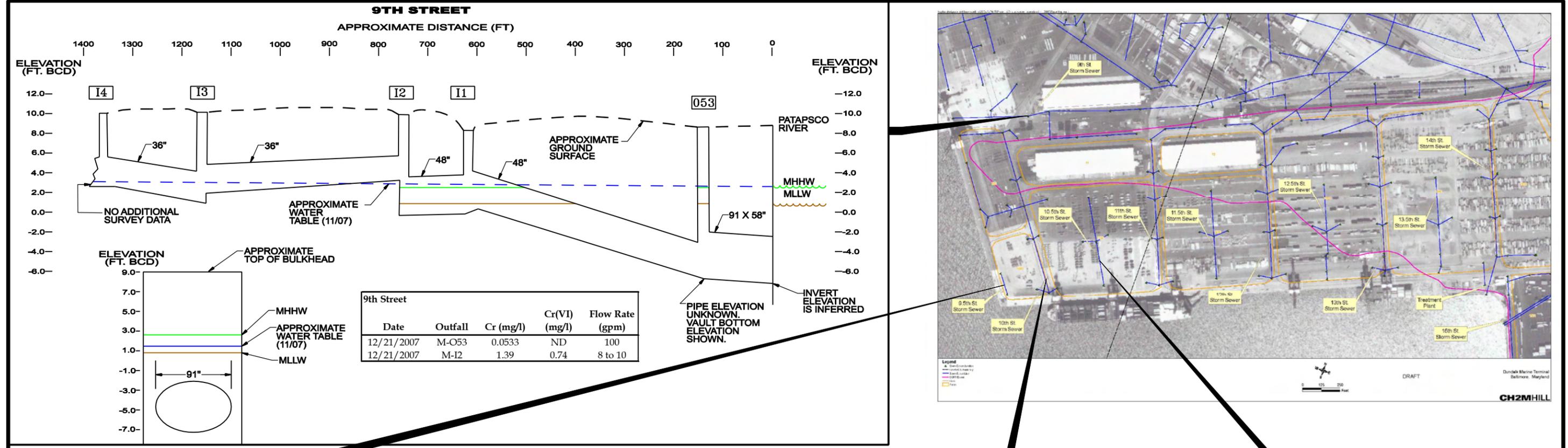


FIGURE 4-19b
 Summary of Storm Drain Hexavalent Chromium Concentrations during the Fall 2007 Sampling
 "Nonzero flow" indicates that there was no flow (sample was collected from standing water) or flow was negligible.



LEGEND

BCD BALTIMORE CITY DATUM (NAV88 + 1.7)

MHHW MEAN HIGHER HIGH WATER

MLLW MEAN LOWER LOW WATER

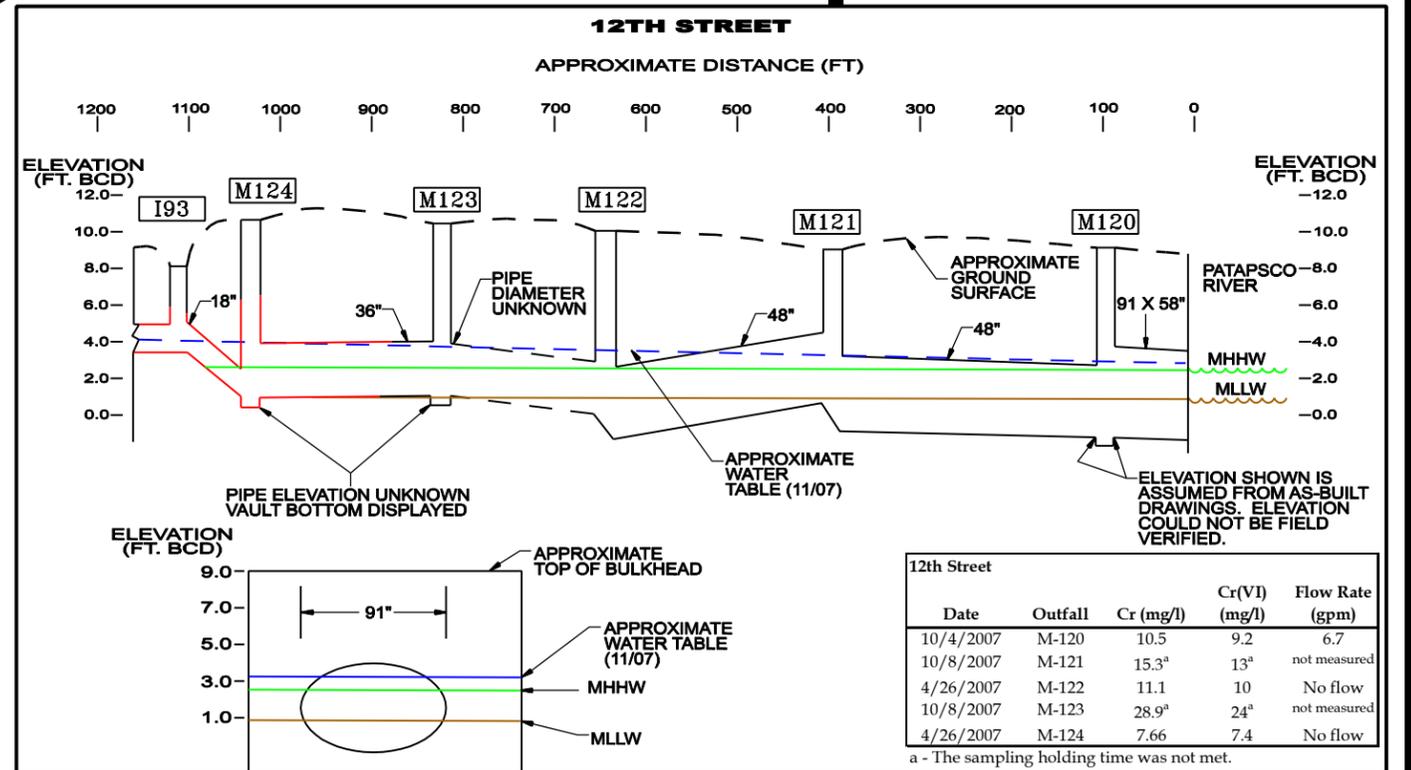
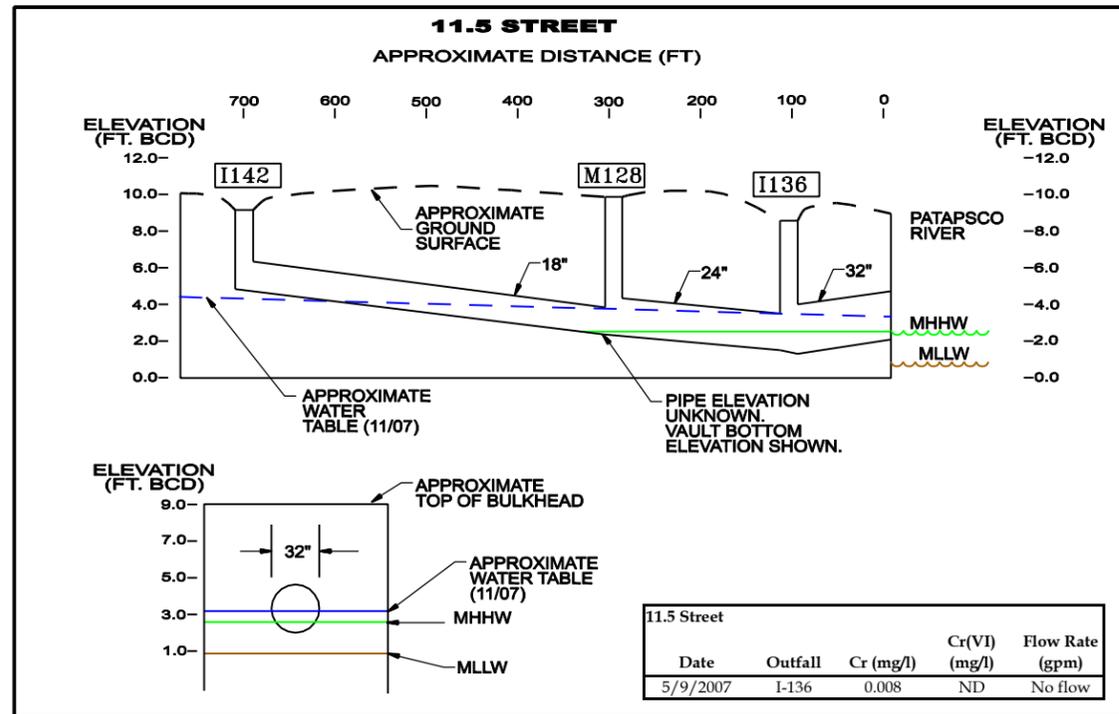
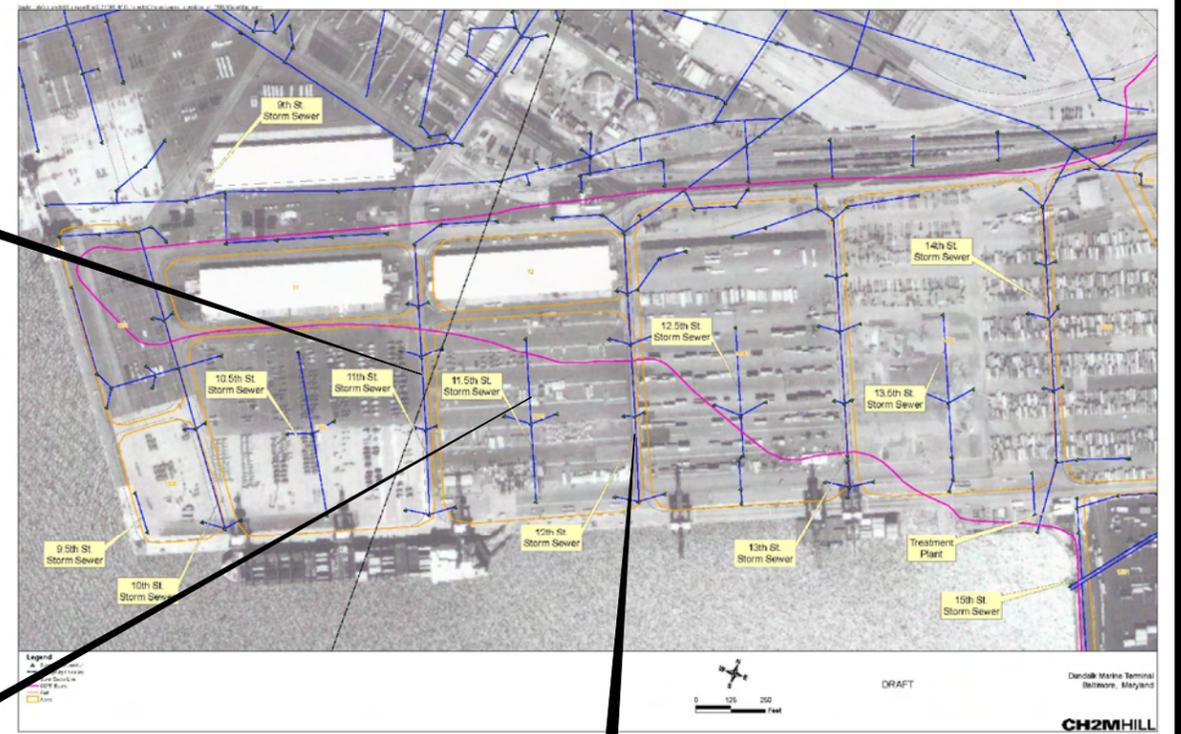
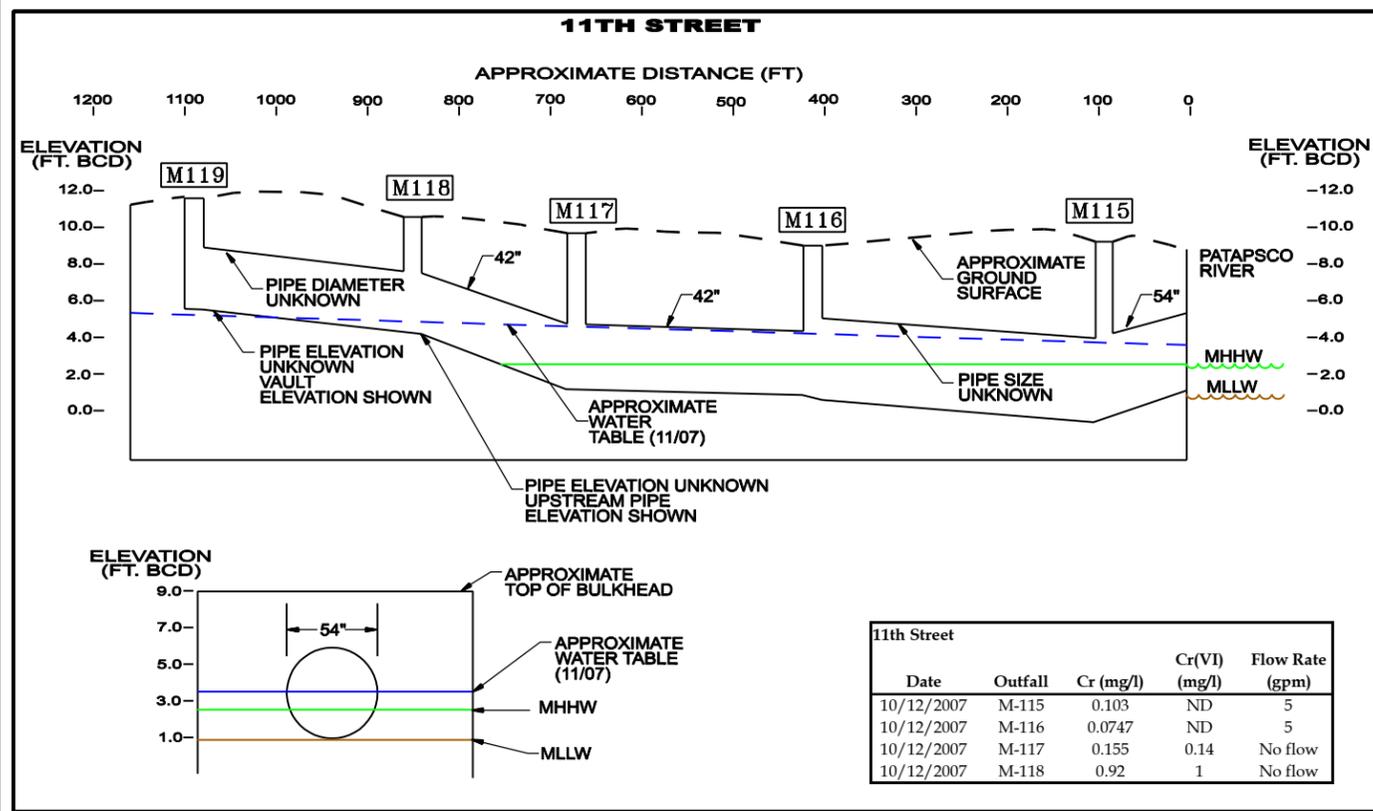
M2 MANHOLE ID

I4 INLET ID

NOTES:

- NOT FOR CONSTRUCTION. ALL DISTANCES ARE APPROXIMATE.
- ELEVATION DATA FOR ALL STORM DRAIN OUTLETS TO PATAPSCO RIVER ARE BASED UPON AS-BUILT DRAWINGS. ELEVATIONS COULD NOT BE FIELD VERIFIED.
- SPECIFIC DETAILS OF STORM WATER INLET BOXES AND MANHOLE BOXES ARE NOT AVAILABLE.
- GROUNDWATER ELEVATION DATA COLLECTED 11/19/07.
- TIDAL DATA REPRESENTS 1983-2001 TIDAL EPOCH AND WAS PROVIDED BY NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION.

Figure 4-20
Dundalk Marine Terminal
Baltimore, MD
9, 9.5, 10, 10.5 Street
Storm Drain Profiles
CH2MHILL



LEGEND

BCD BALTIMORE CITY DATUM (NAV88 + 1.7)

MHHW MEAN HIGHER HIGH WATER

MLLW MEAN LOWER LOW WATER

M2 MANHOLE ID

I4 INLET ID

— INDICATES PORTION OF DRAIN THAT IS AT A SIMILAR ELEVATION TO COPR ENCOUNTERED IN NEARBY BORINGS

NOTES:

- NOT FOR CONSTRUCTION. ALL DISTANCES ARE APPROXIMATE.
- ELEVATION DATA FOR ALL STORM DRAIN OUTLETS TO PATAPSCO RIVER ARE BASED UPON AS-BUILT DRAWINGS. ELEVATIONS COULD NOT BE FIELD VERIFIED.
- SPECIFIC DETAILS OF STORM WATER INLET BOXES AND MANHOLE BOXES ARE NOT AVAILABLE.
- GROUNDWATER ELEVATION DATA COLLECTED 11/19/07.
- TIDAL DATA REPRESENTS 1983-2001 TIDAL EPOCH AND WAS PROVIDED BY NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION.

Figure 4-21
Dundalk Marine Terminal
Baltimore, MD
11, 11.5, 12 Street
Storm Drain Profiles
CH2MHILL