



NATIONAL TRANSPORTATION SAFETY BOARD  
**Investigative Hearing**

Washington Metropolitan Area Transit Authority Metrorail train 302 that encountered heavy smoke in the tunnel between the L'Enfant Plaza Station and the Potomac River Bridge on January 12, 2015

<b>GROUP</b>	
<b>EXHIBIT</b>	

Agency / Organization

Title

## Track & Structures TRST Leak Training and References

TRST has the following references for leaks in their current training guides and reference manuals:

- Track Walker Entry Level Training Guide
  - Track Walker Primary Duties page 6; items A & E reference drains and culverts
  - Track Structure/Direct Fixation page 27; references tunnel invert
  - Track Walker Track Inspection Mainline page 41, “Table of Items to Check and What to Look For”
    - Check List; Drainage – Ditches and Culverts Blocked
  - Drainage Systems page 45, “water is the #1 enemy...”
  - Switch and Turnout Inspection page 51, “Table of Items to Check and What to Look For”;
    - Check List; Ballast & Drainage

## WMATA – 1000 Track Standards Manual

- Leak Identification Reference
  - Section 3.2.2.4

3.2.2.4 Tunnel Section - Particular attention must be given to tunnel liner and, when leaks are noted, they are to be reported on the daily report and added to the defect database. See Figure 3-1 for typical tunnel section drainage facilities.

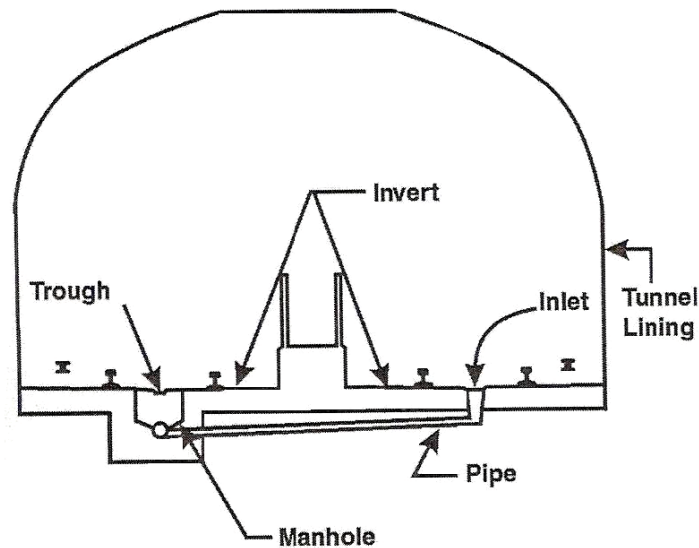


Figure 3-1, Tunnel Section Drainage Facility