

**INSPECTION GUIDE FOR
HORIZONTAL DIRECTIONAL
DRILLING**

October, 2006

PRE-INSPECTION PLAN REVIEW

- Review geotechnical and soil reports.
- Note location of other utility and/or MDOT facilities with respect to the proposed alignment.
- Note the minimum cover above the top of the pipe is _____ feet.
- Note proposed pipe characteristics:
Pipe material _____,
Pipe diameter _____ inches,
Pipe wall thickness _____ inches,
- Note: For pipe greater than 20 inches an intermediate back ream is required.
- Ensure that the appropriate penetration angle and curvature rate are identified.
- Review job site layout including: distance from access pits to roadbed, proposed sheeting and bracing, materials storage and fabrication area, safety devices (barrels, guardrail etc.), and dewatering pit locations.
- Review steel pipe coating requirements.
- Note unique or special items /circumstances: _____

CONSTRUCTION INSPECTION

- Verify traffic control is consistent with the permit requirements, MISS DIG has been contacted, and the MDOT permit is on-site.
- Verify job site layout is consistent with the approved plans, especially the alignment of the pipe and drilling equipment.

- Verify pipe characteristics are consistent with permit requirements.
- For steel pipe, verify it is new with smooth interior and exterior surfaces, is used within the entire influence area of the roadbed, has clean and square ends, joints are watertight, defective pipe is not used, and damaged pipe is removed.
- For HDPE pipe, verify it is new with smooth interior and exterior surfaces, is used within the entire influence area of the roadbed, has clean and square ends, joints are butt-fused and watertight, defective pipe is not used, and damaged pipe is removed.
- Verify pipe is supported and secured reasonably with rollers, skates or other protective devices to prevent damage to the pipe.
- Verify drilling fluid departs entry and exit drilling points only, and that drilling fluid in the exterior annular region of installed pipe is not removed after installation.
- Verify each end of the pipe is sealed with a cap, restoration is completed.

PERMIT NO.

INSPECTOR

DATE