



## SECTION

### Notes:

1. Where utility lines cross under existing non-metallic water main such as Asbestos Cement, Permastran, or Class 200 PVC, backfill with Controlled Density Fill (CDF) between the bedding material and the spring line (mid-point) of the non-metallic pipe. Trench backfill can then be used above the CDF to the final grade.
2. If non-metallic pipe must be removed, replace with Cl. 52 ductile iron pipe, size to match. D.I. pipe to extend a minimum of 18" into undisturbed soil (All applicable Environmental Protection Agency, Puget Sound Air Pollution Control Agency, and Labor and Industry requirements and regulations shall be met in cutting, handling or disposing of Asbestos Cement pipe).

## NON-METALLIC PIPE CROSSING

NOT TO SCALE

Detail Approvals  
 Engineer GSM  
 Manager DPK

**NORTHSHORE UTILITY DISTRICT**  
**STANDARD SEWER DETAILS**

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August 2011  
 S-11(NON-METALLIC PIPE CROSSING).DWG