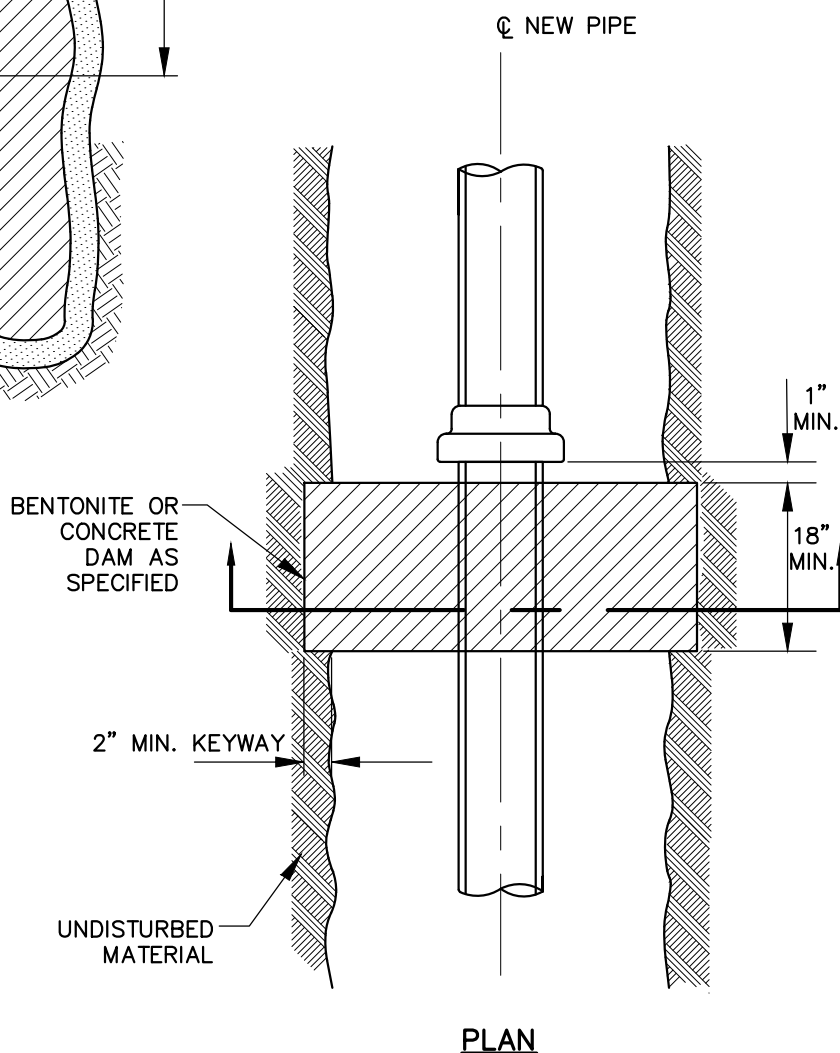


NOTES:

1. FLOW BARRIERS MUST BE INSTALLED DOWNSTREAM OF ALL WATERWAY AND WETLAND CROSSINGS.
2. FLOW BARRIERS SHALL BE CONSIDERED EVERY 300 LINEAR FEET, AS DIRECTED BY THE ENGINEER TO CONTROL GROUNDWATER WITHIN THE PIPE BEDDING MATERIAL WHEN:
 - A. NATIVE MATERIAL IS CONSIDERABLY LESS PERVIOUS THAN THE PIPE BEDDING MATERIAL AND/OR;
 - B. PIPE BEDDING PRODUCES HYDRAULIC HEAD OF 25 FEET ON PIPE GASKETS AND JOINTS AT HIGH GROUNDWATER FLOW.



**DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION
TOWN OF BILLERICA,
MASSACHUSETTS**

**FLOW
BARRIER**

CREATED BY: DCW/KCS

SCALE: NTS

FILE:

CHECKED BY: GA/JT

DATE: 06/29/2015