



**NOTES:**

1. ALL VALVES AND CAMLOCK CONNECTION SHALL BE IN CONCRETE VALVE BOXES WITH CONCRETE FOOTER BOXES AND ADJUSTED TO GRADE.
2. CONNECTION SHALL BE 4" MALE CAMLOCK BOLT ON CONNECTION. CONNECTION SHALL BE WITHIN 4" BELOW GRADE.
3. ALL LINES SHALL BE BEDDED IN 6" MINIMUM DEPTH OF #57 STONE.

**PUMP STATION BY-PASS CONNECTION**

N.T.S.



**CITY OF PORTLAND**  
 DEPARTMENT OF UTILITIES - SEWER  
 STANDARD SEWER DETAILS

REVISION NO: 3  
 DATE: 10/8/2024

WW-10