

6 - 3/4" TIE RODS EQUALLY SPACED  
BALANCE OF THE RODS SHALL  
BE NORMALLY BOLTED

FLANGE ASSEMBLY

HDPE MECHANICAL JOINT ADAPTER

5" MIN TO 15" MAX BEND  
TO MATCH HDD PIPE ANGLE

FLANGE BY MJ REDUCER

CONCRETE THRUST  
ANCHOR (SEE DETAIL W-19)

NOTE:

1. CONTRACTOR SHALL RESTRAIN PVC 60 LF AT  
TRANSITION FROM HDPE TO PVC.

## HDPE TRANSITION

N.T.S.



## CITY OF PORTLAND

DEPARTMENT OF UTILITIES - WATER  
STANDARD WATER DETAILS

REVISION NO: 2  
DATE:06/05/2024

W-18