



NOTES:

1. RELINER STAINLESS STEEL PIPE SUPPORT BRACKET SHALL BE INSTALLED @ 4' SPACING (MIN OF 2 PER DROP).
2. DROP MANHOLE SHALL BE AS PER PRECAST MANHOLE DETAIL, WW-03, UNLESS OTHERWISE NOTED.

DROP MANHOLE  
N.T.S.



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

REVISION NO: 2  
DATE: 1/20/2023

WW-04