



**NOTES:**

1. PIPE ANCHORS SHALL BE INSTALLED ON ALL SLOPES GREATER THAN 20% WITH SPACING AS FOLLOWS:
  - A. NOT GREATER THAN 36 FT. ON GRADES FROM 20% TO 35%.
  - B. NOT GREATER THAN 24 FT. ON GRADES FROM 35% TO 50%.
  - C. NOT GREATER THAN 16 FT. ON GRADES GREATER THAN 50%.
2. IF CARRIER PIPE IS INSTALLED IN CASING PIPE, INSTALL FLANGE OR BRACKET TO SECURE PIPE ANCHOR TO CASING PIPE.

**PIPE ANCHOR**

NOT TO SCALE

**DETAIL APPROVALS**  
**EDITOR** TMC  
**MANAGER** SJD

**NORTHSHORE UTILITY DISTRICT**  
 2021 STANDARD SEWER DETAILS

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LAST UPDATED  
 FEBRUARY 2020