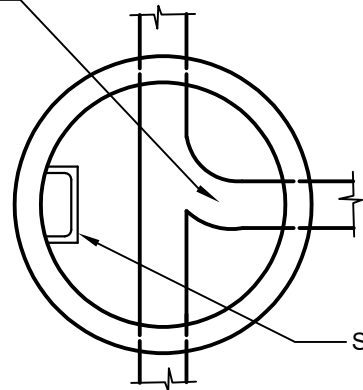


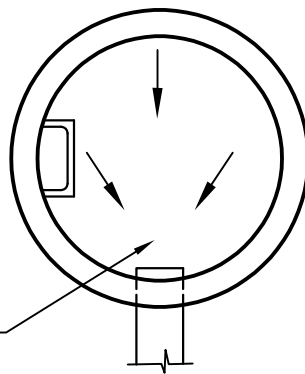
MUST HAVE SMOOTH  
TRANSITION TO  
MAINLINE

POSITION FRAME SO  
BOLT IS ALIGNED WITH  
CENTER OF STEPS



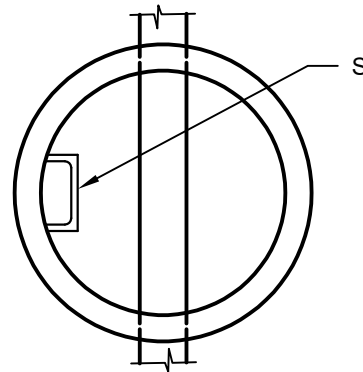
STEPS

LOCKING LID POSITIONING DETAIL

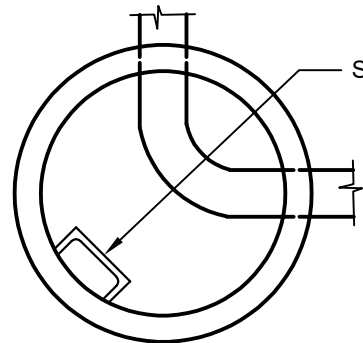


WHERE NO CHANNELING IS  
CALLED FOR SLOPE BASE AT  
2% IN ALL DIRECTIONS FROM  
THE OUTFALL

CHANNELING DETAIL



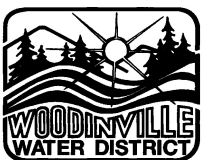
STEPS



STEPS

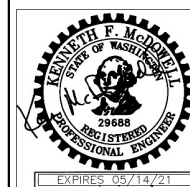
FULL DEPTH CHANNELS SHALL BE MADE TO CONFORM TO THE SEWER GRADE AND SHALL BE BROUGHT TOGETHER WITH WELL-ROUNDED JUNCTIONS. CHANNEL SIDES SHALL BE CARRIED UP VERTICALLY  $\frac{3}{4}$  OF THE LARGEST PIPE'S DIAMETER AND ROUNDED TO THE BENCHES. THE BENCHES SHALL BE SMOOTHLY FINISHED WITH 2% MINIMUM SLOPE TOWARD CHANNEL

1. MANHOLE CHANNELING OF EXISTING CONCRETE STRUCTURES SHALL BE PERFORMED BY DISTRICT APPROVED SUB-CONTRACTORS. SHOULD THE CONTRACTOR REQUEST DOING THE WORK THEMSELVES OR AN UNKNOWN SUB-CONTRACTOR, THE DISTRICT SHALL REQUIRE SAMPLE CHANNEL WORK ON ONE MANHOLE BEFORE GIVING APPROVAL TO PROCEED WITH THE REMAINDER OF THE WORK.
2. CHANNELS, BENCHES AND ENTIRE BASE SECTION SHALL BE FIBERGLASS LINED AND MANUFACTURED BY PREDL SYSTEMS OR APPROVED EQUAL.
3. EXISTING PREDL SYSTEM FIBERGLASS LINED MANHOLE BASES SHALL BE EITHER REPLACED OR RE-GLASSED BY A CERTIFIED SERVICE TECHNICIAN. (WWW.PREDLSYSTEMS.COM) FOR A LIST OF CERTIFIED TECHNICIANS THAT CAN PERFORM THE WORK.
4. SIDE SEWER CHANNEL I.E. TO BE .1' HIGHER (MIN) THAN MAIN CHANNEL AT POINT OF ENTRY.



**Woodinville  
Water District**

**CHANNEL & LADDER  
LOCATION DETAILS**



**SEWER STD.  
PLAN NO. 19**

REVISION DATE  
12-20