



**GENERAL NOTES:**

1. IF THE DEPTH OF COVER OVER THE TUNNEL LINER IS LESS THAN 6 FT, LOCATION AND DETAIL OF THE SETTLEMENT INDICATOR SHALL BE SHOWN ON THE DRAWINGS.
2. DRILL BOREHOLE TO A DEPTH SLIGHTLY SHALLOWER THAN THE INTENDED DEPTH OF THE ANCHOR. CASING MAY BE REQUIRED FOR CAVING BOREHOLES
3. SECURELY ATTACH THE INNER PIPE TO THE ANCHOR. THEN TIGHTEN THE 1" OUTER PIPE TO GREASED LEFT HAND THREADS OF THE ANCHOR. ADDITIONAL PIPE SECTIONS MAY BE ADDED AS REQUIRED WITH STANDARD COUPLING.
4. DRIVE OR PUSH THE ANCHOR WITH THE OUTER PIPE TO UNDISTURBED SOIL TO A DEPTH OF HALF OF THE TUNNEL DIAMETER ABOVE TOP ELEVATION OF TUNNEL LINER.
5. WITH THE 1" PIPE CLAMPED, DRIVE THE  $\frac{1}{4}$ " PIPE FOR AT LEAST 7 INCHES TO EXTEND PRONGS.
6. DETACH THE 1" OUTER PIPE FROM THE ANCHOR BY TURNING THE PIPE INTO CLOCKWISE AND RAISE TO FINAL POSITION.
7. BACKFILL THE ANNULAR SPACE AROUND THE 1" WITH CLEAN SAND OR GROUT AS REQUIRED
8. DEPENDING ON THE GROUND CONDITION, THE ENGINEER MAY ADJUST THE DISTANCE BETWEEN THE TUNNEL LINER AND THE BORROS ANCHOR.
9. THIS DETAIL IS SUITABLE FOR SOFT GROUND CONDITIONS. ENGINEER TO CONFIRM SUBSURFACE PROFILE BEFORE USE.

WASHINGTON SUBURBAN SANITARY COMMISSION	APPROVED: <u>6/17/21</u>  Chief Engineer	STANDARD DETAIL EARTH TUNNEL SUBSURFACE BORROS POINT SETTLEMENT INDICATOR	$\frac{M}{7.0}$
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