

NOTE:

1. SEALING MATERIALS BELOW THE AGGREGATE BASE SHALL CONSIST OF EITHER NEAT CEMENT AND WATER OR A CEMENT BENTONITE GROUT. NEAT CEMENT AND WATER SHALL BE COMPOSED OF ONE (1) BAG OF PORTLAND CEMENT TO FIVE (5) TO EIGHT (8) GALLONS OF WATER. CEMENT GROUT SHALL BE COMPOSED OF NOT MORE THAN TWO (2) PARTS OF SAND AND ONE (1) PART OF CEMENT (PER BAG OF CEMENT) TO FIVE (5) TO EIGHT (8) GALLONS OF WATER.


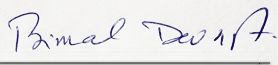
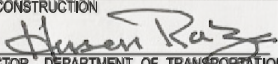
- a.) NEAT CEMENT GROUT W/C = 0.53
- b.) CEMENT BENTONITE GROUT (5% BY WEIGHT OF CEMENT)

2. UPON SATISFACTORY COMPLETION OF A BORING, THE MEASUREMENT OF THE ZERO HOUR AND 2-HOUR GROUNDWATER LEVEL AS WELL AS THE BOTTOM DEPTH OF HOLE AT EACH READING, AND THE ACCEPTANCE THEREOF BY BCDOT, THE CONTRACTOR SHALL BE REQUIRED TO SEAL THE BORE HOLE. THE PURPOSES OF SEALING THE BORE HOLE ARE TO PREVENT POSSIBLE CONTAMINATION OF THE GROUNDWATER BY INFILTRATION FROM THE SURFACE AND TO CONFINE WATER WITHIN AN AQUIFER.

SEALING MATERIAL SHALL BE PLACED IN SUCH A WAY THAT THE ENTIRE HOLE IS COMPLETELY FILLED WITHOUT VOIDS AND THAT THE SEALING MATERIALS IS IN CLOSE CONTACT WITH THE SIDES OF THE HOLE. IN CAVING GROUND, THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING AN OPEN HOLE UNTIL THE 24-HOUR WATER TABLE IS OBTAINED AND THE SEALING MATERIAL IS PLACED. THE METHOD PROPOSED BY THE CONTRACTOR TO INTRODUCE SEALING MATERIAL INTO THE HOLE WILL BE SUBJECT TO APPROVAL BY BCDOT BEFORE SEALING BEGINS. ALL APPLICABLE RULES AND REGULATIONS OF LOCAL, STATE, AND FEDERAL AGENCIES PERTAINING TO PREVENTING CONTAMINATION OF GROUNDWATER SHALL BE OBSERVED.

3. MEASUREMENT OF THIS ITEM WILL BE ON A LINEAR FOOT BASIS AND WILL BE THE ACTUAL DISTANCE FROM THE GROUND SURFACE TO THE LOWEST ELEVATION PENETRATED. PAYMENT FOR THIS ITEM WILL BE MADE AT THE CONTRACT UNIT PRICE PER LINEAR FOOT FOR "SEALING BORE HOLES", WHICH PRICE SHALL INCLUDE ALL REMOVAL AND DISPOSAL OF EXCESS SOIL MATERIALS, LABOR, TOOLS, EQUIPMENT, AND ALL INCIDENTALS NECESSARY TO COMPLETE THIS ITEM AS SPECIFIED HEREIN AND/OR DIRECTED BY BCDOT.

4. BORING FILL TO BE BENTONITE SLURRY TO BE BELOW AGGREGATE BASE. MATERIAL ABOVE THE AGGREGATE BASE TO BE A DOT APPROVED MATERIAL TO FILL DEPTH OF EXISTING PAVEMENT; FOR RIGID PAVEMENTS - CONCRETE & FOR FLEXIBLE PAVEMENT/COMPOSITE PAVEMENT - AQUAPHALT.

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|  | APPROVED:<br>   | <b>CITY OF BALTIMORE</b><br><b>DEPARTMENT OF TRANSPORTATION</b><br><b>TRANSPORTATION ENGINEERING AND</b><br><b>CONSTRUCTION</b> | ISSUED<br>06/2023                       | REVISED<br>08/2024 |              |
|   | DIVISION CHIEF, TRANSPORTATION ENGINEERING AND CONSTRUCTION<br><br>DIRECTOR, DEPARTMENT OF TRANSPORTATION | <b>SEALING SOIL BORING</b><br><b>&amp; UTILITY TEST HOLES</b>   | <b>STANDARD NO.</b><br><b>BC 576.23</b> | SCALE : NONE       | SHEET 1 OF 1 |