



HOWARD COUNTY HEALTH DEPARTMENT

64833

DATE 4/1/19

Received From

Willie Enunimsted
Services

PHONE #

301-778-8320

☐ CASH
☐ CHECK

For

Well Permit / 3950 View
Top Rd.

NO.

14495

one hundred sixty

Dollars

\$ 100.00

Received By

J. King



UNRA- 2325- Rt 97
10

B 1	SEQUENCE NO. (MDE USE ONLY) <div style="font-size: 2em; font-weight: bold;">63610</div>	STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL <div style="font-size: 1.5em; font-weight: bold;">24833</div>	STATE PERMIT NUMBER <div style="font-size: 1.5em; font-weight: bold;">HO-18-0053</div>
1 2 3 6	please type		70 fill in this form completely 79

OWNER INFORMATION Date Received (APA) <u>04/09/19</u> <div style="display: flex; justify-content: space-between;"> <div>8 MM DD YY 13</div> <div>21</div> </div> <div style="display: flex; justify-content: space-between;"> <div>15 Last Name</div> <div>Owner</div> <div>First Name</div> <div>34</div> </div> <div style="display: flex; justify-content: space-between;"> <div>36</div> <div>Street or RFD</div> <div>55</div> </div> <div style="display: flex; justify-content: space-between;"> <div>57 Town</div> <div>70 State</div> <div>72 Zip</div> <div>76</div> </div> DRILLER INFORMATION <div style="display: flex; justify-content: space-between;"> <div>Driller's Name</div> <div>76</div> <div>License No.</div> <div>81</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Firm Name</div> <div>81</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Address</div> <div>81</div> </div> <div style="display: flex; justify-content: space-between;"> <div>Signature</div> <div>Date</div> </div>	LOCATION OF WELL <div style="display: flex; justify-content: space-between;"> <div>8 COUNTY</div> <div>21</div> </div> <div style="display: flex; justify-content: space-between;"> <div>23 SUBDIVISION</div> <div>42</div> </div> <div style="display: flex; justify-content: space-between;"> <div>SECTION</div> <div>44 46</div> <div>LOT</div> <div>48 50</div> </div> <div style="display: flex; justify-content: space-between;"> <div>52 NEAREST TOWN</div> <div>71</div> </div>
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WELL INFORMATION <div style="display: flex; justify-content: space-between;"> <div>1 2</div> <div>APPROX. PUMPING RATE (GAL. PER MIN.)</div> <div>8 12</div> </div> <div style="display: flex; justify-content: space-between;"> <div>AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY)</div> <div>14 20</div> </div>	SOURCES OF DRILLING WATER 1. Public 2. 3. ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) <div style="text-align: center;"> <div style="display: flex; justify-content: space-around;"> <div>34</div> <div>37</div> </div> <div style="display: flex; justify-content: space-around;"> <div>91</div> <div>FT</div> </div> <div style="display: flex; justify-content: space-around;"> <div>ENTER FT OR MI</div> <div>38 39</div> </div> </div> <div style="display: flex; justify-content: space-between;"> <div>TAX MAP: 0024</div> <div>BLK: 17</div> <div>PARCEL: 0257</div> </div>
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USE FOR WATER (CIRCLE APPROPRIATE BOX) <div style="display: flex; justify-content: space-between;"> <div>22</div> <div> <input type="checkbox"/> DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION <input type="checkbox"/> FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) <input checked="" type="checkbox"/> INDUSTRIAL, COMMERCIAL, DEWATERING <input type="checkbox"/> PUBLIC WATER SUPPLY WELL <input type="checkbox"/> TEST, OBSERVATION, MONITORING <input type="checkbox"/> OPEN LOOP GEOTHERMAL <input type="checkbox"/> CLOSED LOOP GEOTHERMAL </div> </div>	NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL <div style="display: flex; justify-content: space-between;"> <div> COUNTY NAME <u>Howard</u> STATE SIGNATURE _____ DATE ISSUED <u>4/25/19</u> <div style="display: flex; justify-content: space-between;"> <div>43 MM DD YY 48</div> <div>CO SIGNATURE</div> </div> </div> <div> COUNTY NO. <u>13</u> INSERT S → EXP. DATE <u>4/25/20</u> <div style="display: flex; justify-content: space-between;"> <div>43</div> <div>48</div> </div> </div> </div>
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APPROXIMATE DEPTH OF WELL <u>400</u> FEET APPROXIMATE DIAMETER OF WELL <u>6</u> INCH METHOD OF DRILLING (circle one) <div style="display: flex; justify-content: space-between;"> <div>BORED (or Augered)</div> <div>JETTED</div> <div>Jettied & DRIVEN</div> </div> <div style="display: flex; justify-content: space-between;"> <div>AIR-ROTary</div> <div>AIR-PERCussion</div> <div>ROTARY (Hydraulic Rotary)</div> </div> <div style="display: flex; justify-content: space-between;"> <div>CABLE</div> <div>REVerse-ROTary</div> <div>DRive-POINT</div> </div> <div style="display: flex; justify-content: space-between;"> <div>other</div> <div></div> </div>	PROPOSED LOCATION OF WELL ON LOT SHOW PERMANENT STRUCTURES SUCH AS BUILDINGS, SEPTIC SYSTEM, ROADS AND/OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCE MEASUREMENTS TO WELL
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REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX) <div style="display: flex; justify-content: space-between;"> <div>39</div> <div> <input checked="" type="checkbox"/> THIS WELL WILL NOT REPLACE AN EXISTING WELL <input type="checkbox"/> THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED <input type="checkbox"/> THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS <input type="checkbox"/> THIS WELL WILL DEEPEEN AN EXISTING WELL </div> </div> <div style="display: flex; justify-content: space-between;"> <div>PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE)</div> <div>41</div> </div>	Not to be filled in by driller (MDE OR COUNTY USE ONLY) <div style="display: flex; justify-content: space-between;"> <div>APPROP. PERMIT NUMBER</div> <div>G</div> </div> <div style="display: flex; justify-content: space-between;"> <div>PERMIT No.</div> <div>HO-18-0053</div> </div> <div style="display: flex; justify-content: space-between;"> <div>70</div> <div>71</div> <div>72</div> <div>73</div> <div>74</div> <div>75</div> <div>76</div> <div>77</div> <div>78</div> <div>79</div> </div>
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SPECIAL CONDITIONS NOTE APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED	Pursuant to § 10-624 of the State Govt. Article of the Maryland Code, personal info requested on this form is used in processing this form pursuant to COMAR 26.04.04. Failure to provide the info may result in this form not being processed. You have the right to inspect, amend, or correct this form. The Maryland Department of the Environment is subject to the Maryland Public Information Act. This form may be made available on the Internet via MDE's website and is subject to inspection or copying, in whole or in part, by the public and other governmental agencies, if not protected by federal or State Law.
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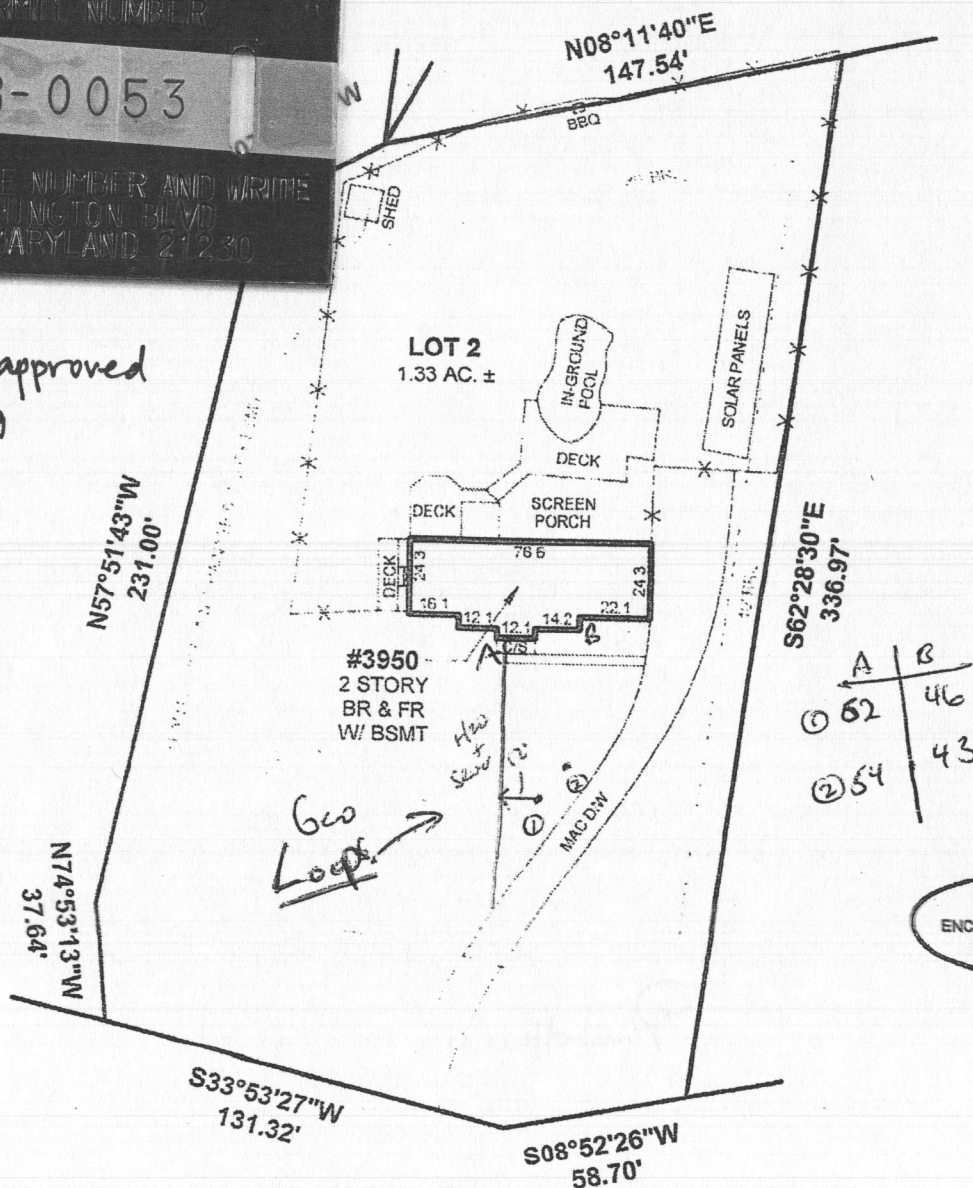
M19000183

DO NOT REMOVE THIS TAG
DEPARTMENT OF THE ENVIRONMENT
WELL PERMIT NUMBER

H0-18-0053

INFORMATION GIVE NUMBER AND WRITE
1800 WASHINGTON BLVD
BALTIMORE MARYLAND 21230

Well sites approved
4/25/19



VIEW TOP ROAD

LOCATION DRAWING OF:

#3950 VIEW TOP ROAD
LOT 2

FINAL PLAT

MOSNER PROPERTY

PLAT NO. 5873

HOWARD COUNTY, MARYLAND

SCALE: 1"=60' DATE: 9-22-16

DRAWN BY: CP FILE #: 167025-607

LEGEND:

- * - FENCE
- B/E - BASEMENT ENTRANCE
- B/W - BAY WINDOW
- BR - BRICK
- BRL - BLDG. RESTRICTION LINE
- BSMT - BASEMENT
- C/S - CONCRETE STOOP
- CONC - CONCRETE
- D/W - DRIVEWAY
- FR - FRAME
- MAC - MACADAM
- O/H - OVERHANG
- PUE - PUBLIC UTILITY ESMT

COLOR KEY:

- (RED) - RECORD INFORMATION
- (BLUE) - IMPROVEMENTS

A Land Surveying Company



DULEY
and
Associates, Inc.



Serving D.C. and MD.

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SURVEYOR'S CERTIFICATE

I HEREBY STATE THAT I WAS IN RESPONSIBLE CHARGE OVER THE PREPARATION OF THIS DRAWING AND THE SURVEY WORK REFLECTED HEREIN AND IT IS IN COMPLIANCE WITH THE REQUIREMENTS SET FORTH IN REGULATION 12 CHAPTER 09 13 06 OF THE CODE OF MARYLAND ANNOTATED REGULATIONS. THIS SURVEY IS NOT TO BE USED OR RELIED UPON FOR THE ESTABLISHMENT OF FENCES, BUILDING, OR OTHER IMPROVEMENTS, THIS PLAT DOES NOT PROVIDE FOR THE ACCURATE IDENTIFICATION OF PROPERTY BOUNDARY LINES, BUT SUCH IDENTIFICATION MAY NOT BE REQUIRED FOR THE TRANSFER OF TITLE OR SECURING FINANCING OR REFINANCING THIS PLAT IS OF BENEFIT TO A CONSUMER ONLY INsofar AS IT IS REQUIRED BY A LENDER OR A TITLE INSURANCE COMPANY OR ITS AGENTS IN CONNECTION WITH THE CONTEMPLATED TRANSFER, FINANCING OR REFINANCING. THE LEVEL OF ACCURACY FOR THIS DRAWING IS 1". NO TITLE REPORT WAS FURNISHED TO NOR DONE BY THIS COMPANY. SAID PROPERTY SUBJECT TO ALL NOTES, RESTRICTIONS AND EASEMENTS OF RECORD. BUILDING RESTRICTION LINES AND EASEMENTS MAY NOT BE SHOWN ON THIS SURVEY. IMPROVEMENTS WHICH IN THE

DULEY & ASSOC.

WILL GIVE YOU A 100%
FULL CREDIT TOWARDS
UPGRADING THIS
SURVEY TO A
"BOUNDARY/STAKE"
SURVEY FOR ONE
YEAR FROM THE DATE



GRADE

EACH BORE HOLE (TYP.)

MINIMUM

HORIZONTAL BURY

DEPTH 4 FT

FOR CONT.
SEE PLANS

HORIZONTAL
PIPING

BORE DEPTH

TAPE

5 TO 10 FOOT SECTION OF
REBAR TO GUIDE TUBE
INTO BORE DURING
INSTALLATION

ANCHOR FITTING TO
PREVENT U-TUBE FROM
SURFACING AFTER
INSTALLATION

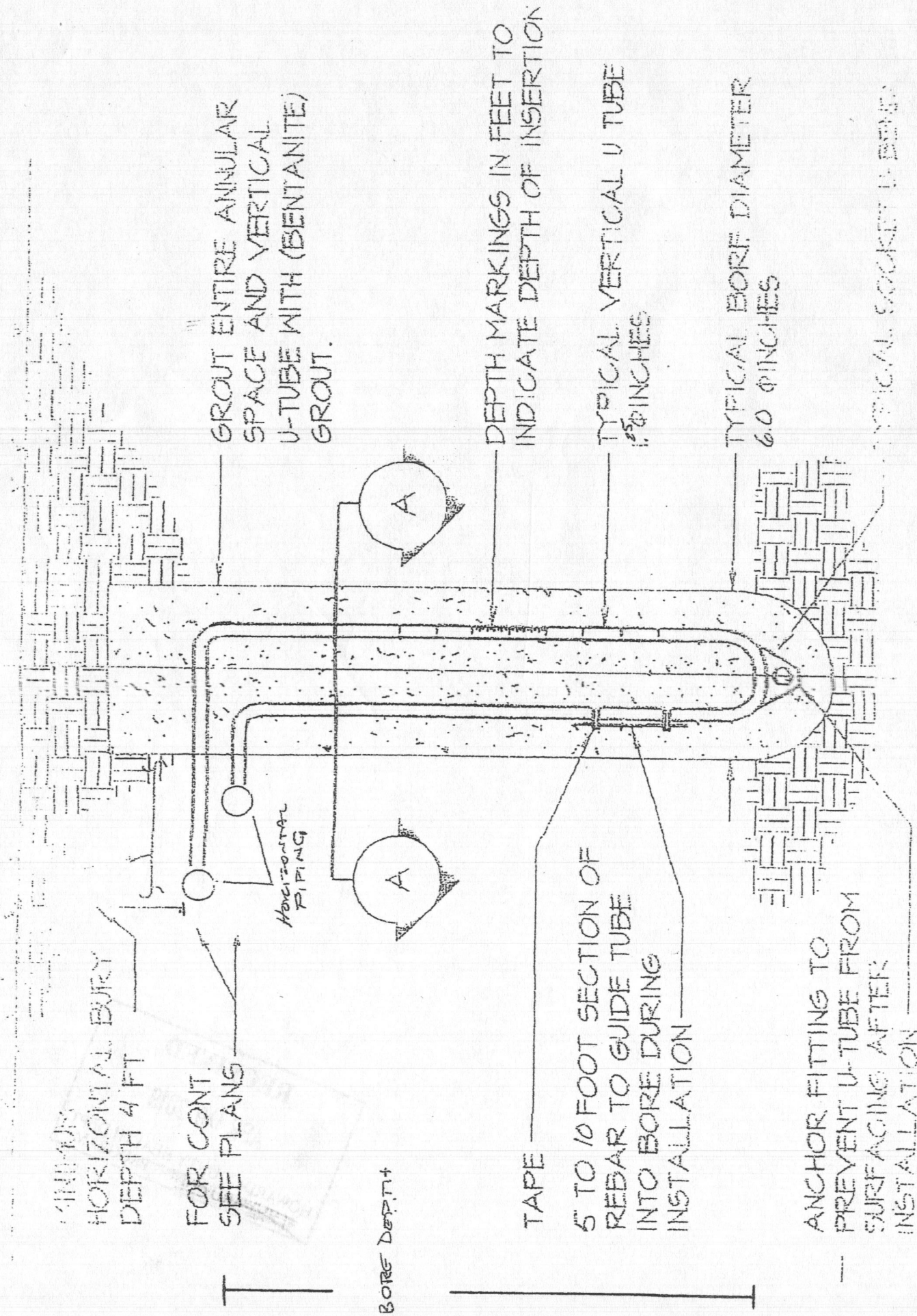
GROUT ENTIRE ANNULAR
SPACE AND VERTICAL
U-TUBE WITH (BENTANITE)
GROUT.

DEPTH MARKINGS IN FEET TO
INDICATE DEPTH OF INSERTION

TYPICAL VERTICAL U TUBE
1.25 INCHES

TYPICAL BORE DIAMETER
6.0 INCHES

TYPICAL SOCKET U-BEND



HOWARD COUNTY GROUTING PROCEDURE

Boreholes will be grouted from the bottom to the top via a tremie pipe and positive displacement pump. Bentonite grout, known as Quik-Grout will be used according to the manufacturer's specifications to achieve a consistency of at least 20% solids (24 gallons potable water/50 lb. sack of grout) and a permeability no more than 2.5×10^{-8} cm/sec. Grouting will be completed immediately after installing the geothermal loop and no later than twenty-four (24) hours after installing the geothermal loop. Open boreholes/annular space will be protected as necessary to prevent the entry of surface water or pollutants.

