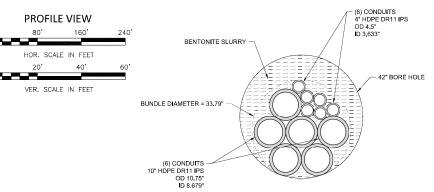


- 2. CONTRACTOR IS RESPONSIBLE FOR CALLING NEW JERSEY ONE-CALL AND LOCATING ALL UNDERGROUND UTILITIES PRIOR TO BEGINNING CONSTRUCTION. IF ANY UTILITY IS LOCATED WITHIN 15 FEET OF THE DESIGNED HDD PROFILE AND ALIGNMENT. CONTRACTOR SHALL OBTAIN APPROVAL FROM COMPANY PRIOR TO INITIATING HDD OPERATIONS.
- 3, IT IS THE CONTRACTOR'S RESPONSIBILITY TO IDENTIFY AND PROTECT ANY FOREIGN UTILITY THAT MAY BE AFFECTED BY THE HDD OPERATIONS.
- 4. ALL TERRESTRIAL EQUIPMENT MUST ACCESS THE SITE ALONG THE CONSTRUCTION RIGHT-OF-WAY OR FROM APPROVED ACCESS ROADS
- 6. WATER SOURCE: DRILL WATER SHALL BE OBTAINED FROM COMPANY APPROVED SOURCE.
- 7. SPILL-PREVENTION: REFUELING OF ALL EQUIPMENT SHALL BE COMPLETED IN ACCORDANCE WITH THE SPILL PREVENTION, CONTROL AND COUNTERMEASURE PLAN.
- 8. EROSION AND SEDIMENT CONTROL: CONTRACTOR SHALL SUPPLY, INSTALL AND MAINTAIN SEDIMENT CONTROL STRUCTURES IN ACCORDANCE WITH CONTRACT DOCUMENTS, CONTRACTOR SHALL INSTALL ADDITIONAL EROSION CONTROL STRUCTURES AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.

- 11. THE SPATIAL INFORMATION SHOWN ON THIS DRAWING IS A COMPILATION OF DATA OBTAINED FROM VARIOUS SOURCES, BOND DOES NOT GUARANTEE THE ACCURACY OF THE INFORMATION SHOWN.
- 12. GEOTECHNICAL DATA: BORINGS SHOWN ARE OFFSET FROM THE PIPELINE CENTERLINE AS SHOWN ON THE PLAN VIEW AND PROJECTED TO THE PROFILE VIEW. THE GEOTECHNICAL INFORMATION PROVIDED ON THIS DRAWING IS A GENERAL SUMMARY. REFER TO THE APPLICABLE GEOTECHNICAL DATA REPORT FOR MORE DETAILED INFORMATION.
- 13. BATHYMETRY DATA PROVIDED BY COMPANY.
- 14. GROUND SURFACE LIDAR DATA DOWNLOADED FROM THE USGS 3D ELEVATION PROGRAM USING GLOBAL MAPPER.
- 15. FINAL BOREHOLE SIZE SELECTION IS UP TO SELECTED TRENCHLESS CONTRACTOR.
- 16. CONDUIT PROOFING TO BE COMPLETED PER CONTRACT DOCUMENTS.



| DI                       | RECTIONAL DRILL DA   | \TA           |
|--------------------------|----------------------|---------------|
|                          | IELD TO LOT 1075 (F  |               |
| DESCRIPTION              | STATION (ft)         | ELEVATION (ft |
| ENTRY @ 129 =            | 0.00                 | 7.49          |
| PVC1 =<br>(1600' RADIUS) | 1+05.97              | -15.04        |
| PVT1 =                   | 4+38.63              | -50.00        |
| PVC2 =<br>(1600' RADIUS) | 16+14.09             | -50.00        |
| PVT2=                    | 19+46.74             | -15.04        |
| EXIT @ 129 =             | 20+40.00             | 4.82          |
| HORIZONTAL DISTANC       | E = 2,040.00 FT      |               |
| DIRECTIONAL DRILL PI     | PE LENGTH = 2,049.55 | FT            |

| RE                         | COMMENDED TOLERANCES  |  |  |
|----------------------------|---|--|--|
| ITEM                       | TOLERANCE INCREASE ANGLE UP TO 1° (STEEPER) BUT NO DECREASE IN ANGLE ALLOWED.                       |  |  |
| PILOT HOLE ENTRY ANGLE:    |   |  |  |
| PILOT HOLE ENTRY LOCATION: | AS PER COORDINATES PROVIDED BY COMPANY WITH NO CHANGES WITHOUT COMPANY APPROVAL.                    |  |  |
| PILOT HOLE EXIT ANGLE:     | INCREASE ANGLE UP TO 1° (STEEPER) OR DECREASE UP TO 2° (FLATTER)                                    |  |  |
| PILOT HOLE EXIT LOCATION:  | 5 FEET RIGHT OR LEFT, 10 FEET SHORT AND 20 FEET LONG OF<br>THE DESIGN EXIT POINT                    |  |  |
| PILOT HOLE DEPTH:          | UP TO 2 FEET ABOVE THE DESIGNED DRILL PROFILE AND 10 FEET BELOW THE DESIGNED DRILL PROFILE ALLOWED. |  |  |
| PILOT HOLE ALIGNMENT       | SHALL REMAIN WITHIN 5 FEET RIGHT OR LEFT BETWEEN THE HDD ENTRY POINT AND THE HDD EXIT POINT.        |  |  |

DRAWING #

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**ISSUE FOR PERMIT** 





| HVAC COND   | OUIT BUNDLE   | DIRECTIONAL DRILL PIPE LENGTH = 2,049.55 FT | PILOT H | HDD ENTRY POIN   | T AND THE HDD EXI |
|---|---|---|---------|--|-------------------|
| COLE ON STATE OF THE PROPERTY | DRAWING COORDINATES  HORZONIAL DATUM: NAD 83, NEW JERSEY, US SURVEY FOOT  VERTICAL DATUM: NAVO 88 (SECIO 12A) |   |         | ATLANTIC SHORES OFFS<br>PROJECT 1 - CAR                      |                   |
| E GE58352 €   | PIPE SPECIFICATIONS  HWAC BUNDLE: 6x 10-inch DR11 HDPE IPS & 6x 4-inch DR                                     | 711 HDFE CONDUITS  REV. DATE DESCRIPTION    |         | DRAWING TITLE:  BADER FIELD TO LOT 10' HDD #2-1 PLAN AND PRO |                   |