

**GENERAL CONTRACTOR'S NOTES:**

1. ALL UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE APPROXIMATE AND ARE TAKEN FROM EXISTING FIELD LOCATION AND/OR EXISTING PLANS.
2. NO EXCAVATION IS TO OCCUR UNTIL "DIG SAFE" AND ALL APPROPRIATE UTILITY COMPANIES HAVE BEEN NOTIFIED AND MARKED THE EXACT LOCATION ON THE GROUND.
3. ALL PROPOSED CONSTRUCTION IS TO MEET THE TOWN OF CUMBERLAND REGULATIONS.

**SEWER NOTES:**

1. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE STANDARDS OF THE TOWN OF CUMBERLAND PUBLIC WORKS REGULATIONS, STANDARDS AND SPECIFICATIONS.
2. THE CONTRACTOR IS TO FIELD VERIFY LOCATION AND INVERT OF SANITARY SEWER FOR CONNECTION TO EXISTING OR PROPOSED SEWER SYSTEM.
3. THE PROPOSED SEWER LATERAL SHALL BE 2 1/2" SDR21 PVC PIPING WITH GLUED JOINTS.
4. NO BENDS GREATER THAN 22 1/2" SHALL BE USED IN THE PROPOSED SEWER LINE.

**SEDIMENTATION AND EROSION CONTROL:**

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING ALL TEMPORARY SEDIMENTATION & EROSION CONTROL.
2. EMBANKMENT SLOPES & ALL DISTURBED AREAS ARE TO RECEIVE A LAYER OF TOPSOIL (LOAM) AND SEED.
3. IMMEDIATELY UPON COMPLETION OF THE CLEARING AND GRUBBING AND PRIOR TO ANY ROUGH GRADING, A TEMPORARY SILT FENCE OR HAY BALES SHALL BE PLACED AT THE LIMIT OF DISTURBANCE PER PLAN.
4. ALL EROSION & SEDIMENTATION CONTROL SHALL BE PERIODICALLY MAINTAINED DURING BUILDING CONSTRUCTION BY THE CONTRACTOR.

**EROSION & SOIL STABILIZATION PROGRAM:**

1. TEMPORARY TREATMENTS SHALL CONSIST OF A SILT FENCE, HAY BALES OR PROTECTIVE COVERS SUCH AS FABRIC MATS.
2. THE SILT FENCE OR TEMPORARY PROTECTION SHALL REMAIN IN PLACE UNTIL AN ACCEPTABLE STAND OF GRASS OR APPROVED COVER IS ESTABLISHED.
3. NORMAL ACCEPTABLE SEASONAL SEEDING DATES ARE APRIL 1 - OCT. 15.
4. ALL FILL, IF REQUIRED, SHALL BE CLEAN AND THOROUGHLY COMPACTED UPON PLACEMENT IN STRICT CONFORMANCE WITH RIDWP STANDARD SPECIFICATION SECTION 202.

**TEMPORARY DISTURBANCE NOTES:**

1. THE TEMPORARY DISTURBANCE AREA WITHIN THE DRAINAGE BASIN IS TO ALLOW ACCESS TO THE STAGING AREA DURING CONSTRUCTION.
2. THE EXCAVATOR IS TO CLEAR A PATH THROUGH THE DRAINAGE BASIN AREA TO THE EXISTING SEWER MANHOLE. NO GRADE CHANGES ARE TO OCCUR IN THIS AREA.
3. THE PATH TO THE PROPOSED STAGING AREA IS TO BE CLEARED DURING A DRY PERIOD SO AS NOT TO IMPACT THE STORAGE CAPACITY OF THE DRAINAGE BASIN.
4. ONCE THE SEWER CONNECTION HAS BEEN MADE IN THE EXISTING SEWER MANHOLE, THE CONTRACTOR IS TO COORDINATE WITH THE TOWN OF CUMBERLAND PUBLIC WORKS DIRECTOR TO DETERMINE THE RECONSTRUCTION NEEDED FOR THE DRAINAGE BASIN.

**SEDIMENTATION CONTROL PROGRAM:**

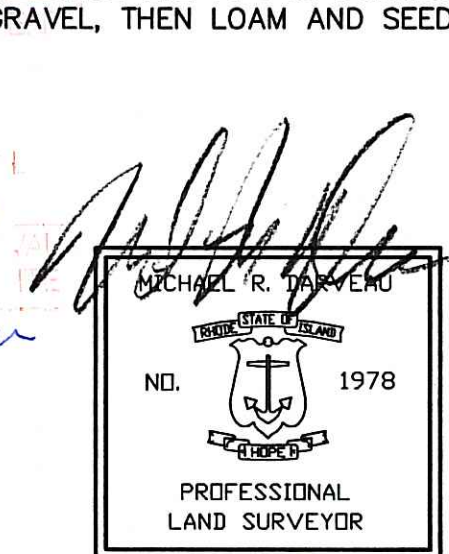
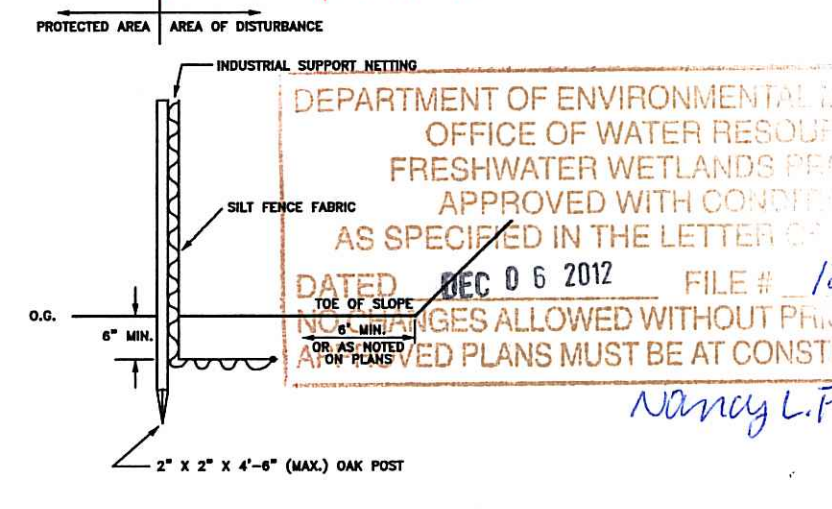
1. A TEMPORARY SILT FENCE, HAY BALES OR PROTECTIVE COVER SHALL BE INSTALLED PRIOR TO CONSTRUCTION & SHALL BE MAINTAINED ON A REGULAR BASIS. TEMPORARY BARRIERS SHALL BE CONSTRUCTED AT THE TOE OF THE DISTURBED (OUT OR FILL) SLOPES UNTIL VEGETATIVE COVER HAS BEEN ESTABLISHED.
2. DURING CONSTRUCTION THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ADEQUATE DRAINAGE FLOW DURING STORMS AND PERIODS OF RAINFALL.
3. SEDIMENTATION CONTROL DEVICES SHALL BE INSPECTED CLOSELY AND MAINTAINED PROMPTLY AFTER EACH RAINFALL.
4. ALL DISTURBED AREAS NOT TO BE TREATED (ie: BUILDING, DRIVEWAY, ETC.) WILL BE LOAM AND SEEDED WITH A CONSERVATIVE GRASS SEED MIXTURE AS SOON AS PRACTICAL.

**HORIZONTAL DIRECTIONAL DRILLING PROCESS:**

1. THE HORIZONTAL DIRECTIONAL DRILLING IS TO BE AT A DEPTH BETWEEN 4'6" AND 5' AT ALL TIMES.
2. STAGING PITS ARE TO BE DUG AT EACH END OF THE HORIZONTAL DIRECTIONAL DRILLING TRENCH.
3. ALL MACHINERY TO BE USED IS TO BE SET UP WITHIN THE INITIAL STAGING PIT.
4. AN ELECTRONIC GUIDE IS TO BE USED TO ENSURE THE DRILL BIT IS IN THE PROPER LOCATION AND AT THE CORRECT DEPTH.
5. A MIXTURE OF BENTONITE CLAY AND WATER IS TO BE USED WHILE DRILLING TO CREATE A SLURRY WHICH KEEPS THE HORIZONTAL BORING HOLE OPEN.
6. THERE WILL BE MINIMAL CUTTINGS AND/OR SPOILS AS A RESULT OF THIS DRILLING SINCE THE SLURRY WILL HARDEN THE SOIL AROUND THE HORIZONTAL BORING HOLE.
7. AFTER THE HORIZONTAL BORING HOLE IS COMPLETE, THE SEWER FORCE MAIN WILL BE ATTACHED TO THE DRILL BIT AND PULLED BACK THROUGH THE HOLE.
8. ONCE THE PIPE IS CONNECTED, THE STAGING PITS ARE TO BE BACKFILLED WITH CLEAN COARSE GRAVEL, THEN LOAM AND SEEDED WITH A CONSERVATIVE GRASS SEED MIXTURE.

*Per RIDEM*  
All construction activities within the basin must be scheduled during a period when no precipitation is forecast for at least four days to ensure that work is completed when no stormwater is expected to flow into the basin.

*Upon completion of the sewer line installation, the existing basin must be restored to preconstruction depth and dimensions. Changes in basin dimensions were not proposed and are not authorized, and will require a separate permit.*



I HEREBY CERTIFY THAT THIS SURVEY AND PLAN CONFORMS TO A CLASS 3 STANDARD AS ADOPTED BY THE RHODE ISLAND BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS.

BY: *Michael R. Darveau*  
MICHAEL R. DARVEAU, PLS#1978  
DATE: 11/29/12

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| <b>DARVEAU LAND SURVEYING, INC.</b><br>P.O. BOX 7918<br>CUMBERLAND, R.I. 02864<br>PHONE 401-475-5700<br>E-MAIL: DARVEAUSURVEY@COX.NET             |  |
| <b>PROPOSED SITE PLAN FOR</b><br><b>TERRAPIN DEVELOPMENT, LLC</b><br>TOWER FLAG SUBDIVISION<br>ABBOTT RUN VALLEY ROAD<br>CUMBERLAND, RHODE ISLAND | <b>PROJECT NO:</b><br>2012_015<br><b>REVISION:</b><br>NOV. 29, 2012<br><b>SCALE:</b><br>1" = 40'<br><b>DRAWN BY:</b><br>S.A.K.<br><b>DATE:</b><br>NOV. 5, 2012<br><b>SHEET NO:</b><br>1 OF 1 |

*RIDEM COPY*