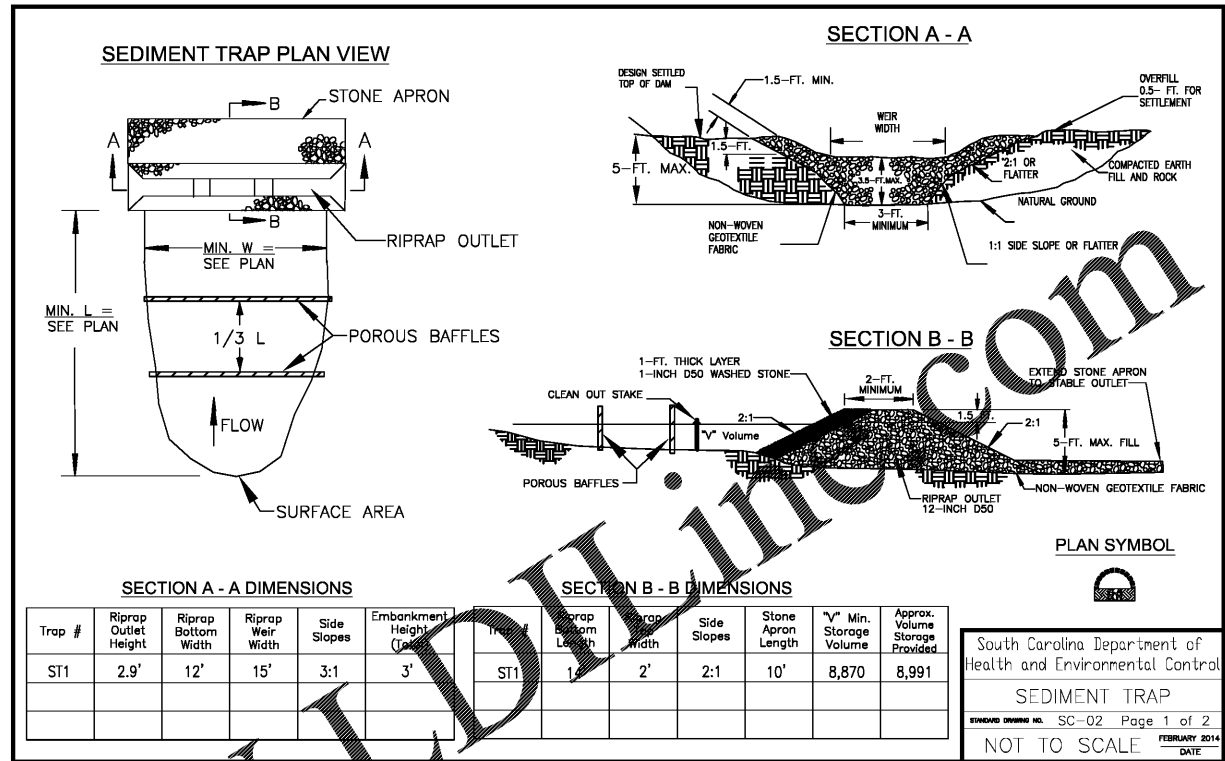


**2 DRY SEDIMENT BASIN**  
NIS



**SECTION A - A DIMENSIONS**

Trap #	Riprap Outlet Height	Riprap Bottom Width	Riprap Weir Width	Side Slopes	Embankment Height (Top)
ST1	2.9'	12'	15'	3:1	3'

**SECTION B - B DIMENSIONS**

Trap #	Riprap Bottom Length	Riprap Bottom Width	Side Slopes	Stone Apron Length	V <sup>2</sup> Min. Storage Volume	Approx. Volume Provided
ST1	1'	2'	2:1	10'	8,870	8,991

South Carolina Department of Health and Environmental Control  
 SEDIMENT TRAP  
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 NOT TO SCALE  
 FEBRUARY 2014 DATE

**1 SEDIMENT TRAP**  
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**DRY SEDIMENT BASIN - GENERAL NOTES**

- Sediment basins should not be placed in Waters of the State or USGS blue-line streams (unless approved by Federal Authorities).
- Sediment basin's side slopes shall be seeded and, when necessary, stabilized with vegetative or synthetic matting to prevent the formation of rills and gullies.
- Install three (3) rows of porous baffles with a minimum spacing of 10 feet. Baffles should ultimately be placed to maximize the space between each row of baffles and the basin's inlets/outlets. Only two (2) rows of baffles are necessary for basins that are less than 50 feet in length.
- Porous Baffles should be composed of coir-based materials or TRMs with a light penetration (open spaces) between 10-35%. These materials should not have loose straw. Silt Fence may not be used as Porous Baffles.
- Each porous baffles shall be installed across the entire width of the basin and along the basin's side slope until the height of the baffle intersects the slope.
- Install skimmer and coupling (as necessary) to riser structure at orifice along bottom of the principle spillway's riser structure. (Refer to skimmer manufacturer for installation procedures and skimmer specifications.)
- Skimmer should be equipped with a mechanism, such as a rope, to allow easy access to skimmer to unclogged orifice or perform other necessary maintenance.
- Stormwater runoff entering the basin must be directed into proper BMPs to prevent erosion along side slopes and to prevent scour at the basin's inlets.
- The forebay berm should consist of riprap, gabion, or an earthen berm with a rock filled outlet that is constructed across the bottom of the basin's width.
- An additional cleanout stake for the forebay area is recommended and should be marked for cleanout at 50% of provided sediment storage.
- The elevation of the emergency spillway should be at least 1 foot below the top of the embankment. The emergency spillway should not be located on fill material, when possible. Riprap and geotextile liner should be placed on all spillways that must be located on fill material.

**DRY SEDIMENT BASIN - INSPECTION AND MAINTENANCE**

- The key to a functional sediment trap is weekly inspections, routine maintenance and regular sediment removal.
- Attention to sediment accumulations within the trap is extremely important. Accumulated sediment deposition should be continually monitored in the trap and removed when necessary.
- Remove accumulated sediment when it reaches 50% of the designed sediment storage volume as marked by the cleanout stake.
- Removed sediment from the trap shall be placed in stockpile storage areas or spread thinly across the disturbed area. Stabilize the removed sediment after it is relocated.
- Regular inspections of sediment traps should be conducted once every calendar week and, as recommended, within 24-hours after each rainfall event that produces 1/2-inch or more of precipitation.
- Disturbed areas resulting from the removal of the sediment trap should be permanently stabilized and additional BMPs, such as silt fence, should be utilized to handle stormwater runoff from this disturbed area until final stabilization is reached.

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 GENERAL NOTES  
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**2 DRY SEDIMENT BASIN**  
NIS

**WOOLPERT**  
 ARCHITECTURE | ENGINEERING | GEOSPATIAL

11301 Camel Commons Blvd  
 Suite 300  
 Charlotte, NC 28226  
 704.525.6284  
 FAX: 704.525.0115

CARL F. ARSHAM  
 #418  
 10/13/2020

WOOLPERT INC.  
 No. 002930  
 FEBRUARY 2014 DATE

Lancaster County, South Carolina  
**Heath Springs Soccer Complex**

200 Boyd Faile Road  
 Heath Springs, SC 29058

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