

## Inspector Quantlist Report 20240408

Diary Number: \_\_\_\_\_ Inspector Name: \_\_\_\_\_

TRACS Number: \_\_\_\_\_ Date: \_\_\_\_\_

**Division III: Aggregate Subbases and Aggregate Bases**  
**Subtitle: Geocomposite Wall Drain**

Structure Name:	Structure Member:
Structure Number:	Offset:
Begin Station:	End Station:

Attribute Numbers	Yes, No, N/A	Narrative	Reference
0.		All stakeholders have participated in the pre-activity meeting.	Construction Bulletin 02-01
1.		Certificate of Compliance and or Analysis is submitted for geocomposite wall drain materials. Sample materials may be requested by the engineer.	2021 Standard Specifications 106.05 pg. 89, 1014-1 pg. 1237
2.		Geocomposite drain materials stored outdoors are elevated, tagged, and protected from the elements with a light color, opaque, waterproof cover.	2021 Standard Specifications 203-5.02 (B) pg. 198, 1014-1 pg. 1237
3.		Geocomposite wall drains will be installed on the soil side of the abutment, retaining, and culvert wing walls.	2021 Standard Specifications 203-5.03(C) pg. 203
4.		Geocomposite drains are installed at the correct height, spacing, and location.	2021 Standard Specifications 203-5.03(C) pg. 203
5.		The concrete surface of the structure against which the geocomposite drain is to be placed, is free of soil, debris, and excessive irregularities (need continuous contact between the concrete surface and drain material).	2021 Standard Specifications 203-5.03(C) pg. 203
6.		When the core is not perforated, perforations will be made in the core where the wall drain will lay against a weephole or other drainage outlet. When making these perforations, the fabric will not be damaged in any way.	2021 Standard Specifications 203-5.03(C) pg. 203
7.		The 3" PVC drain pipe (weep holes) are installed every 10 feet with 1/2 inch slope per foot.	Structure Detail Drawings SD 7.01-1 & 7.01-5
8.		Geocomposite material is firmly secured by using adhesive or 1.5 to 2" concrete nails with washers or wood battens of not less than 4 square inches in area.	2021 Standard Specifications 203-5.03(C) pg. 203
9.		The adhesive or alignment of the core does not affect the drainage area or downward flow within the core.	2021 Standard Specifications 203-5.03(C) pg. 203
10.		The spacing of the concrete nails is no more than 4 feet apart vertically or horizontally.	2021 Standard Specifications 203-5.03(C) pg. 203
11.		When nails are used, there is at least one horizontal row of nails in each course of geocomposite material.	2021 Standard Specifications 203-

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			5.03(C) pg. 203
12.		Horizontal seams are formed by using a 4" flap of geotextile fabric extending from the upper geocomposite course and lapping over the top of the next lower course. Flap will be securely fastened using a 3-inch wide, waterproof plastic tape.	2021 Standard Specifications 203-5.03(C) pg. 203
13.		Vertical splices at the end of the geocomposite roll have an 8" wide continuous strip of geotextile fabric centered over the seam. Both sides have 3-inch wide, waterproof plastic tape.	2021 Standard Specifications 203-5.03(C) pg. 203
14.		Alternative method of splicing, either horizontally or vertically, rolls of geocomposite drain material may be joined together by turning back the fabric at the roll edges and interlocking the cuspatations approximately 2 inches, overlapping in this manner, the fabric is then lapped over and tightly taped beyond the seam with the 3-inch wide, waterproof tape.	2021 Standard Specifications 203-5.03(C) pg. 203-204
15.		Geocomposite drain material is always interlocked in the direction of water flow.	2021 Standard Specifications 203-5.03(C) pg. 204
16.		All joints are sealed with waterproof 3" wide tape.	2021 Standard Specifications 203-5.03(C) pg. 203-204
17.		To prevent soil intrusion, all exposed edges of the geocomposite drainage core are covered by tucking the 4" fabric lap behind and over the core edge.	2021 Standard Specifications 203-5.03(C) pg. 204
18.		Alternatively, a 12-inch wide strip of fabric may be utilized in the same manner, taping it to the exposed fabric 8 inches in from the edge with a continuous strip of 3-inch wide, waterproof, plastic tape and folding the remaining 4 inches over and behind the core edge.	2021 Standard Specifications 203-5.03(C) pg. 204
19.		Geocomposite drain material is not torn or damaged during installation or backfilling, if damaged the entire section will be completely cut out and replaced.	2021 Standard Specifications 203-5.03(C) pg.204
20.		Geocomposite wall drain materials are stored on the site or at another location approved by the Engineer in a manner which protects them from the elements. If stored outdoors, the materials are elevated and protected with a light colored, opaque, and waterproof cover. At no time the geocomposite wall drain materials are to be exposed to direct sunlight for a period exceeding 14 days.	2021 Standard Specifications 203-5.02(B) pg. 198, 203-5.03 (C) pg. 204
21.		Quantlist Minimum Frequency is being followed, one per Wall Reference number.	Construction Bulletin 07-01