

ECORAIN TANK INSTALLATION CHECKLIST

*****PLEASE READ ECORAIN TANK SYSTEMS SUBMITTAL BEFORE START OF INSTALLATION*****

SCOPE OF WORK/INSTALLATION CHECK LIST

PROJECT NAME:	Inspector
GROUND PREPARATION	
1. Excavate trench larger than EcoRain Tank structure, level the ground & clean the area	
2. Compact the area beneath the Tank to engineered percentage, screed the surface	
3. Remove all stones, lumps, debris, and sharp objects from sub-base	
4. Place 2" clean sand on sub-base and level with screed	
INDIVIDUAL TANK ASSEMBLY	
5. Follow assembly instructions for specified size of Tank. Contact Manufacturer for vehicular traffic assembly specifications.	
6. Insert & space pins of Small & Large Plates evenly	
7. Check to see that all Plates are connected securely and fully; multiples connected to each other; tap with dead weight hammer using a 2x2 piece of timber to protect the plates from the hammer blow	
8. Do not use any broken Plates	
INSTALLATION	
9. Liner (if used) to be laid per manufacturer's instructions with underlayment if specified by designer	
10. Lay Geotextile fabric with enough fabric to fully cover Tanks with 6" overlap of seams	
11. Lay out first row of individual Tanks of the application area with Large Plates facing outside to the width required, so that the perimeter of the structure has the Tank Large Plates facing the excavation walls *Exception w/Clean Out Portal/Plates & Odd Sizes	
12. Position subsequent rows of individual Tanks perpendicular to the first row so that only the Large Plate sides of the Tanks face the outside perimeter *Except when using Clean Out Portal/Plates or odd sizes – place a layer of EcoRain 1" or Ecovoid 2" Cells against the Tank Small Plate sides. Contact Manufacturer for Tank positions in vehicular traffic conditions and large structures	
13. Make sure there are no gaps between installed Tanks - abut to one another as tightly as possible and/or use pins	
14. Position last row the same as the first row, with Large Plates facing the excavation wall, *See above Exceptions	
15. For EcoRain structures over 4.3' tall, follow installation pattern as shown in EcoRain ET-1212B drawing or shop drawing	
16. If any, as with Clean Out Portal/Plates, reinforce exposed Small Plates using a layer of Ecovoid HD 2" Cells	
17. Wrap Geotextile fabric around the Tanks & secure with HDPE tape	
18. Minimum 6-inch (150 mm) overlap of Geotextile fabric	
19. Secure Geotextile fabric overlapped joints to prevent sand/fill from entering Tank during backfill operation	
20. Tops of individual Tanks must be level with no uneven plates, Tanks do not "rock"	
INLET/OUTLET PIPE CONNECTION – (Connect Pipes, if any, before Backfilling)	
Pipes smaller than 6 inches (150mm) diameter	
21. Insert pipe into the Tank by cutting a hole no larger than 6" in the Large Plate between two of the Small Plates	
22. Cut and secure Geotextile fabric around the inserted pipe with boot, ties, and tape to prevent sand/fill from entering Tank	
Pipes larger than 6 inches (150mm) diameter	
23. Do NOT cut hole or insert pipe over 6 inches in diameter into the Tank	
24. Place & secure one layer of Ecovoid HD 2" Cells to Tank at pipe entry/exit point	
25. In a second layer of Ecovoid HD 2" Cells, cut a hole the diameter of the pipe at entry/exit point height	
26. Place & secure the cut second layer of Ecovoid HD 2" Cells against the first layer - insert pipe, abutting the side of Tanks	
27. Cut & secure Geotextile fabric to the pipe with boot, ties, and HDPE tape to prevent sand/fill from entering Tank	
BACKFILL - (After Pipe Connections)	
28. 8-inch (200 mm) maximum height of backfill drop from tractor scoop	
29. Drop specified backfill material around the perimeter of the Tank in 8 - 12 inch (300-400 mm) depths	
30. Compact backfill per plan using compaction plate on opposite sides of the tank at the same time	
31. Place plywood sheet upright between Tank & backfill to protect Tank side, Geotextile & liner (if used) from compaction plate	
32. Compact in 8 – 12 inch (300-400 mm) lifts to top of Tank	
33. Compact sand/fill on top of Tank with low pressure tire or track vehicle, vibratory plate compactor, or low psi compactor per plan no more than 6,000 lbs.	
34. Mark perimeter of Tank with caution/barricade tape to keep out heavy equipment	
35. Install all remaining backfill as described above or as specified by Engineer/Landscape Architect	
36. In traffic load installations, use EcoRain 1" or Ecovoid HD 2" Cell layer per Manufacturer or Biaxial Geogrid placed per Geogrid Manufacturer's recommendation	
<i>NOTE: Secure the area of application with barriers/ropes during the entire scope of work. Prohibit all vehicular traffic.</i>	
EcoRain Tank Systems of America DOES NOT accept liability for incorrect installation.	