



Drain Basin Install Guide



Step 1: Excavate trench to width and depth required for pipes being installed. Use ASTM D2321 guidelines for bedding and backfill material and compaction requirements.



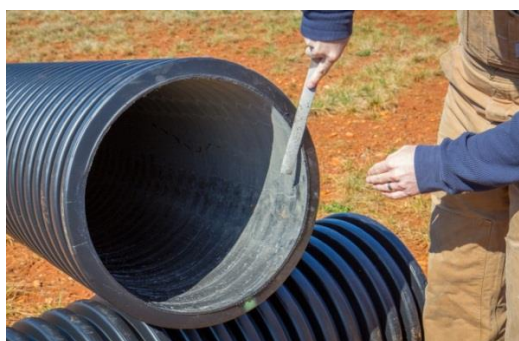
Step 2: Ensure bedding is leveled and compacted to support drain basin and pipes.



Step 3: Lower drain basin into trench, set in place, and level prior to pipe installation. Place backfill so basin is stable during pipe install.



Step 4: For corrugated polyethylene pipes, remove bell or spigot so full size corrugations will hold gasket and install into drain basin bell. Cut pipe in valley between corrugations.



Step 5: Remove burrs from cut end of pipe. Clean first two pipe corrugations. Use only Harco Fittings LLC supplied pipe gaskets – zip-tied to each drain basin.



Step 6: Install pipe gasket to straddle between first and second pipe corrugations. Start at bottom and work around to top.



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Step 7: 12" and larger pipe gaskets straddle first two corrugations, color on gasket toward end of pipe, fin on gasket sitting over second corrugation. Clean area then lube gasket AND inside basin bell. (Pipe lube supplied by distributor or pipe company)



Step 8: Place board or pipe installation stub over end of pipe to protect pipe during install.



Step 9: Gently push pipe into drain basin bell with hoe bucket or use spud bar. Re-level basin.



Step 10: Knife backfill material under and around pipe and drain basin outlets. Place approved backfill material in lifts and compact following ASTM D2321 plastic pipe installation guidelines.



Step 11: Harco Fittings LLC drain basin top is easily adjusted with saws-all to adjust height of the grate or cover to final grade elevation. Riser sections are available to raise final elevation as well.



Step 12: For ALL vehicle / traffic load applications, pour a concrete collar under and around the ductile iron grate frame per project engineer or Harco Fittings LLC recommendations.