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NOTE: For personnel that may not have the proper cutting or grinding equipment to produce the datum point, the following alternative procedure should be used if absolutely necessary. When the desired depth of the rod is obtained (an even 1.2 M section), thoroughly clean the threads with a solvent to remove any possible remains of grease or oil that may have been used when the rod was tapped. Coat the threads of the datum point with Loctite and screw the datum point into the rod. Tighten the point firmly with pipe wrenches to make sure it is secure. The datum point is a stainless steel 10 MM bolt with the head precisely machined to 14 MM.

- i. Insert the grease filled 900 MM section of 25 MM PVC pipe (sleeve) over the rod. The rod and datum point should protrude through the sleeve about 76 MM.
- j. Backfill and pack with sand around the outside of the sleeve to below ground surface. Place the 130 MM PVC and logo cap over and around the 25 MM sleeve and rod. The access cover on the logo cap should be flush with the ground. The datum point should be about 76 MM below the cover of the logo cap.
- k. Place concrete around the outside of the 130 MM PVC and logo cap, up to the top of the logo cover. Trowel the concrete until a smooth neat finish is produced.
- l. Continue to backfill and pack with sand inside the 130 MM PVC and around the outside of the 25 MM sleeve and rod to about 25 MM below the top of the sleeve.
- m. Remove all debris and excess dirt to leave the area in the condition it was found. Make sure all excess grease is removed and the datum point is clean.

