

## A2.1 Survey Control/ Construction Stakeout – Observations

According to landfill staff no survey control is being utilized to construct the fill area and drainage features. The absence of survey control has resulted in some of the landfill slopes to be constructed at 2 horizontal to 1 vertical (2:1) instead of the 3:1 slopes shown on the Harford Soil Conservation District (SCD) approved Erosion and Sediment Control Plan (SCD Plan) for the Landfill Area. In the future it will be difficult, if not impossible, to apply the required membrane cap system on landfill slopes steeper than 2.5:1. Moreover, some of the existing drainage benches (terraces) do not have positive drainage due to a lack of survey control.



Drainage Bench (Terrace)

## A2.2 Survey Control/ Construction Stakeout – Recommendations

The fill operation and all drainage features should be constructed using surveyed stakeout to ensure maximum airspace is utilized and proper drainage is provided.

A final closure cap plan (drawing) with bench marks and horizontal and vertical control should be provided so that survey stakeout can be performed prior to constructing final exterior slopes and drainage features.

## A3.1 Heavy Equipment – Observations

The existing heavy equipment used in the landfill recycling operations includes the following:

- ❑ CAT 826 Landfill Compactor
- ❑ CAT D8 Dozer
- ❑ 2006-2007 International Model 7600 Roll-off Trucks (6 each)
- ❑ John Deere 550 Dozer (D3 Class)
- ❑ CAT 973 Tracked Loader (2 each)
- ❑ CAT 637 Scraper (Pan)
- ❑ CAT 928G Rubber Tire Loader
- ❑ 199G Champion 710-A Motor Grader
- ❑ 1998 BoMag Roller

The D8 is currently used to place the Tarp-O-Matic. Whereas, one of the 973 track loaders is used to push, spread, and level trash deposited by haulers. The 826 Landfill Compactor is used infrequently to compact freshly deposited trash, maybe once or twice per day, and