

August 28, 2013

Mr. Jeff McCrady
AMEC
Environment & Infrastructure
511 Congress Street, Suite 200,
Portland, Maine 04101, USA

**RE: Site Services Status Report
South Hill Dump Site
South Hill Road
Cortlandville, Cortland County, NY
NYSDEC Site No. 712009**

Dear Mr. McCrady:

Aztech Technologies, Inc. (Aztech) has prepared the following correspondence to summarize the site work activities conducted at the South Hill Dump Site, New York State Department of Environmental Conservation (NYSDEC) site number 712009 located on South Hill Road in Cortlandville, New York. All work conducted was in accordance with the Site Management Services Scope of Work (SOW) provided to Aztech on July 25, 2013 by AMEC.

On July 30, 2013 Aztech personnel mobilized to the site to mow the landfill, repair selected areas of the drainage swales, modify and measure the detention pond outlet structure and to remove five (5), empty 55-gallon drums.

Mowing and Miscellaneous Activities



Aztech performed mowing and trimming activities at the site using a Massey Ferguson 1635 tractor with brush hog/mower attachment, walk behind brush hog unit, walk behind mower, and weed whacker. The extents of the mowing were detailed in the SOW and included the landfill, the detention pond area and the immediate areas outside the drainage swales. The landfill and surrounding

vegetated areas were mowed down to between 6 to 10 inches above the existing ground surface. All grass clippings were left in place, and special care was taken not to damage gas vent risers or displace rip rap along slope and drainage areas. In addition, the five empty 55-gallon drums previously delivered to the site by Aztech were removed from the site.



Drainage Swale Repair Activities



Aztech performed repair activities to several sections of the drainage swale at the site. Misplaced rip-rap from excessive storm water runoff at the site, was relocated back on top of exposed geotextile, as shown in the before and after pictures to the left. Rip rap was relocated by hand from areas downstream of the exposed areas, placing larger stones first then smaller stones. Several exposed areas were discovered and repaired in addition to the two areas described in the SOW.

Modification of Detention Pond Outlet Structure and Field Measurements



The detention pond outlet structure is shown in the photograph to the left and a detailed drawing is attached to this document in **Figure 3**. The cap to the outlet structure was removed and a 15" diameter hole was cut into the top of the cap to allow for overflow to be able to exit the pipe. Chicken wire was then installed on the top of the cap to prevent debris from entering into the structure as shown in the photograph to the right.



Aztech also performed measurements of orifices entering the riser overflow structure. The size, number, location, and elevations of the inverts were recorded and submitted to AMEC. This data is presented in **Table 1**, attached to this document

Summary and Conclusions

- Aztech performed the work in 3 days and completed all tasks described within the SOW.
- The slope of the landfill made it very difficult to navigate and provide the mowing services. Extra care had to be taken in the morning and during periods of rain when the surface was slippery.
- Ruts caused by the tractor and areas of misplaced rip-rap were repaired prior to demobilization.

If you have any questions or comments regarding the information contained herein, please contact this office at 518-885-5383.

Sincerely,
AZTECH TECHNOLOGIES, INC.

A handwritten signature in black ink, appearing to read "Mark A. [unclear]", with a stylized, cursive script.

ATTACHMENTS:

Table 1

Figure 3

Attachments

Table 1

JULY 2013
SITE MANAGEMENT SERVICES
SCOPE OF WORK
SOUTH HILL DUMP SITE, SITE NO 712009
SOUTH HILL ROAD, CORTLANDVILLE, NEW YORK

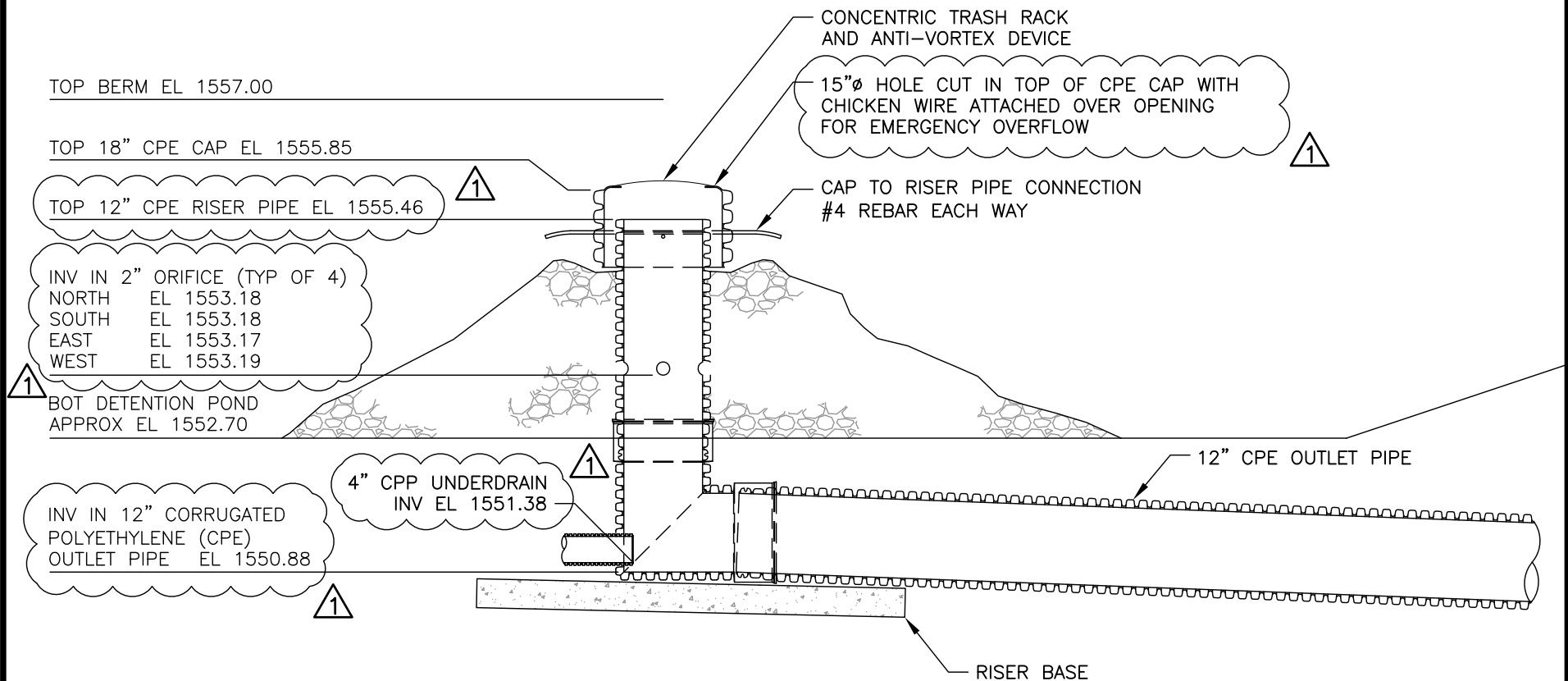
Table 1: Detention Pond Outlet Structure As-Built Documentation

Description (Note 5)	Elevation, feet	Measure Down, feet (Note 3)	Calculated Elevation, feet (Note 4)
Top of 18" CPE Cap (Note 1)	1555.85	-	-
Top of 12" CPE Riser Pipe	-	0.39	1555.46
Invert In of 2" Orifice (north)	-	2.67	1553.18
Invert In of 2" Orifice (south)	-	2.67	1553.18
Invert In of 2" Orifice (east)	-	2.68	1553.17
Invert In of 2" Orifice (west)	-	4.97	1550.88
Invert In of 12" CPE Outlet Pipe	-	4.47	1551.38
Invert In of 4" CPE Underdrain (west)	-	2.66	1553.19

Table 1 Notes:

1. Top of cap as noted by red line on Scope of Work Photo 8 of Attachment 2 (installed by The Environmental Services Group during remedial action construction, Contract No. D007992).
2. Abbreviations: CPE, corrugated polyethylene.
3. Measure down distances from the top of cap (known elevation) to the structure inlet recorded to the nearest 0.01 foot (approximately 1/8 of an inch).
4. Elevations calculated by subtracting the measure down distance in feet from the known elevation of 1555.85 feet recorded on the "ALTA/ACSM Land Title Survey" by Fisher Associates, issue date November 2012.
5. Table 1 from the Scope of Work has been modified to coordinate with the structure inlet types and numbers observed in the field by Aztech Technologies, Inc. All measurements recorded by Aztech Technologies, Inc.

Figure 3



DETENTION POND OUTLET STRUCTURE DETAIL

NTS

1 RECORD REVISIONS

Prepared/Date: JPM 08/06/2013
 Checked/Date: MJS 08/06/2013

South Hill Dump Site, NYSDEC Site No. 712009
 County of Cortland, Cortlandville, NY



SITE MANAGEMENT SERVICES
 RECORD OF SCOPE OF WORK
 Project 3612-12-2232
 FIGURE 3