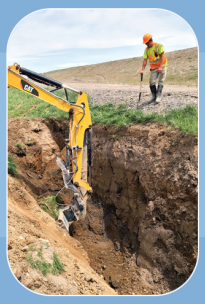
Ontario County Landfill

Cell IX-A2 Liner Extension and the Phase 3 Final Closure



Location: Stanley, New York
Client: Casella Waste
Value: $6.3 million

Overview

Our team was retained by Casella Waste to construct a new 4.45-acre cell and a 5.3-acre closure at the Ontario County Landfill as part of the county's IX-A2 liner extension project. The project was completed in two parts. The new landfill was constructed, and a new closure was performed on the other side of the site. The scope of work included moving 78,000 cubic yards of earth and glacial till from the location of the new cell.

Challenge

Moving close to 78,000 cubic yards of dirt to construct a new cell while keeping the site fully operational, proved challenging. Managing driving lanes to keep them open and unimpeded required significant communication and schedule coordination among all team members.

The deep cell walls of the site offered limited staging for materials forcing our team to use the land within the site to construct the cell. There were very few stockpile areas, so additional trucks were used to adhere to the schedule. These factors made our work even more complex.

Another challenging task was controlling the leachate runoff that is toxic. We developed extensive management plans that solved this issue. Welded liners were utilized to tie into the older landfills.

Solution

Our team successfully created a new permanent collection system by plugging the existing pipes, removing the temporary structures along with building interim piping between the landfills connecting them. This extended the air space life by a couple of years. Daily, ongoing coordination with Casella and our project team members allowed the project to progress despite the challenges that arose.

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Result

In December, the newly constructed cell was turned over to Casella Waste. Construction of the new cell consisted of placing 14,000 cubic yards of low perm soil liner and 14,000 cubic yards of low calcium carbonate stone. Our team went back to the site in February to finish the tie-ins to meet NYSDEC requirements. The remaining work was completed within a two-week window meeting all project design goals and objectives.

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