

Project Info



May 2014



CC5 batched



470 sq m / 47 rolls



Linear Layout



Calgary, AB



Nuna Innovations Inc.



CC used to prevent
vegetation growth



Concrete Canvas (CC) was used to remediate a fenceline that is maintained by the City of Calgary. The current maintenance schedule was costing the city up to \$7500/ km each year. With approximately 300 km of fencing under the city's charge, these costs were significant.

The City had been considering trenching underneath the fenceline and installing poured concrete, however this would have been incredibly labour cost intensive and posed a risk of damage to mowing equipment. They needed a solution that would not damage mowing equipment when operating in close proximity to the fencing. Spraying of herbicides was not considered due to the environmental impact caused by these chemicals.

CC allowed the installation to be undertaken in spring when temperatures were still near freezing and there was regularly frost in the mornings-conditions which prevent the use of conventional concrete. Concrete Canvas was chosen for its ease of installation and cost effectiveness when compared to poured concrete. It was also desired for the rapid installation time- up to 10 times faster than poured concrete. The Concrete Canvas solution is environmentally friendly and has a service life of up to 50 years.

470 square meters of Concrete Canvas were installed by a crew of two in less than two weeks. The existing fence line was able to remain in place. The crew removed the bottom fasteners that held the chain link onto the posts and pulled the lower 2 ft of fencing aside. Vegetation was trimmed from the area where the installation would take place in order to prepare the surface.



CONCRETE CANVAS®



Site preparation before installation



Drilling holes for placing CC around fence posts



Fencing moved out of the way for installation



Hydration of installed CC

Rolls of the CC were cut in half longitudinally and laid along the bottom of the fence line. The crew used a hole-saw drill-bit to cut holes in the Concrete Canvas to accommodate the fence posts. The strips of Concrete Canvas were then cut from the hole to the edge of the strip to wrap around the post.

The Concrete Canvas was hydrated using portable water tank on a small utility trailer. No specialized tools or machinery were required for this installation. The Concrete Canvas installation was complete two hours after hydration.