

The Grate Solution

Milton Borough, Northumberland County

Problem/Challenge Addressed

We needed a safer and more efficient way to lift storm grates for cleaning and repair of catch basins.

Method/Process/Product to Resolve Challenge

Utilizing just spare steel and old snowplow parts, we designed a mobile hitch-mounted hydraulic lift to remove storm grates and swing them out of the work area. It was designed to operate off the truck hydraulic system or with a portable unit. We also used pins, which allows for the lift to come apart in three places for ease of use and storage.

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Results/Key Takeaways

Costing us less than \$100, we were able to recycle old parts to design a safer and more efficient way to clean storm drains.



Contact Information

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