

ERTEC Environmental Systems

Protecting Global Lands and Waterways™

Case Study

S-Fence™

Linear Project Protection



- > Lower Project Costs
- > Better Performance
- > Better than ZERO Waste
 - ✓Recycled
 - ✓Reusable
 - ✓Recyclable



Application:

Linear Project Sediment Control

Product:

ERTEC S-Fence™

Customer:

Travis Air Force Base (NAVFAC), Fairfield, CA

Project:

Replace Fuel Distribution System

Prime Contractor:

Kinley Construction, Arlington, TX

SWPPP Installer:

Green Vista Landscape, Rocklin, CA

Project Date:

2011 and ongoing

ERTEC S-Fence™ is a **high performing, low total cost and ZERO Waste** system for construction sites. On pipeline projects, there is a large cost savings opportunity because the product is extremely durable and reusable. When the initial phases are completed and stabilized, S-Fence can be redeployed in the next phase.



Install rate: 2,000 ft/day— Crew of 2

The Challenge: On many linear pipeline projects it is common to find silt fence lining both sides of the trench. Because it is not durable, silt fence cannot be removed and redeployed after each phase. And silt fence has other problems. It is common to find silt fence toppling in the wind, breaking down in UV light or allowing undercutting in areas where it is not trenched properly. Storm water underflow, end-arounds and overtopping is common. Estimators often overlook the cost of silt fence maintenance, removal and waste handling. Proper installation, removal and disposal is costly. On this Travis AFB project, the contractor was able to reduce material usage by 66%. Rather than deploying 17,000 feet of silt fence on both sides of the project, the plan is to use about 33% of that total. The first phase has already been removed and redeployed. Another key aspect of the cost savings is that ERTEC S-Fence requires almost no maintenance. It is not affected by wind, and because water is filtered and not ponded like silt fence, undermining is rare.



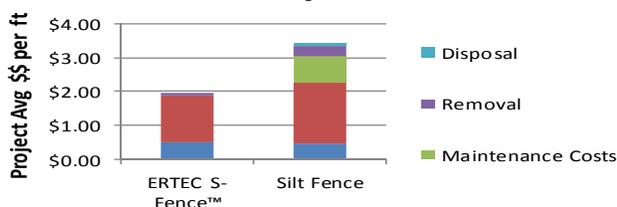
Stakes on 6.67' Centers

Testimony: "It was a good idea to use S-Fence 10" on this project. It's easy to pull up and redeploy. We'll install over 35,000 feet on the fuel pipeline, but purchase only 8,000 feet of material. Installation rates are faster too. I can install 2000 feet in a day with two guys, vs. 1500 feet for silt fence."

- Tim Jones—Project Manager — Green Vista Landscape

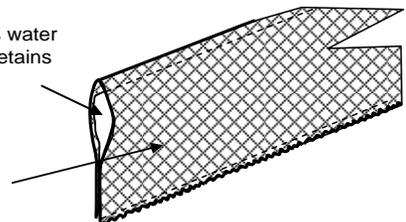


Linear Project Total Project Costs



Particle filter allows water flow-through, and retains soil particles

HDPE outer jacket 8,000 openings per yd²



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