

ERTEC® S-Fence™

Details

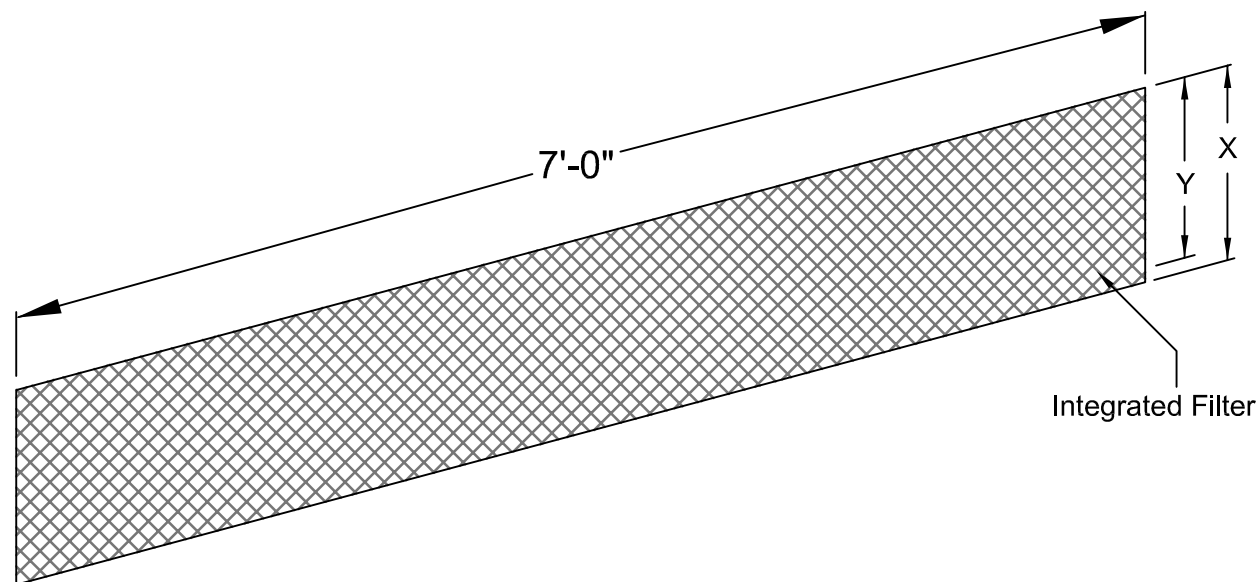
Fence Height "X"	Filter Width "Y"
8"	7.2"
10"	9"
14"	12"
20"	18"

Key Benefits:

- Will not deteriorate or blow down
- Remove with minimal disturbance to landscaping
- Compact storage and transportation
- Long lasting (4+ years)
- High reusability
- Lets water flow off-site
- High sediment retention

Appropriate Applications:

- Base of stabilized slopes
- Job perimeters
- Alternative to silt fence



Purpose


S-Fence™ is used to filter sediment laden water and detain a high percentage of sediment and associated pollutants. The system reduces the velocity of water and allows it to spread and flow-through as lower velocity sheet flow. Flow-through discourages end-around flows, under and overflow. The system filters certain sized smaller particles. The filter develops a filter cake, which in turn filters smaller and smaller particles over time.

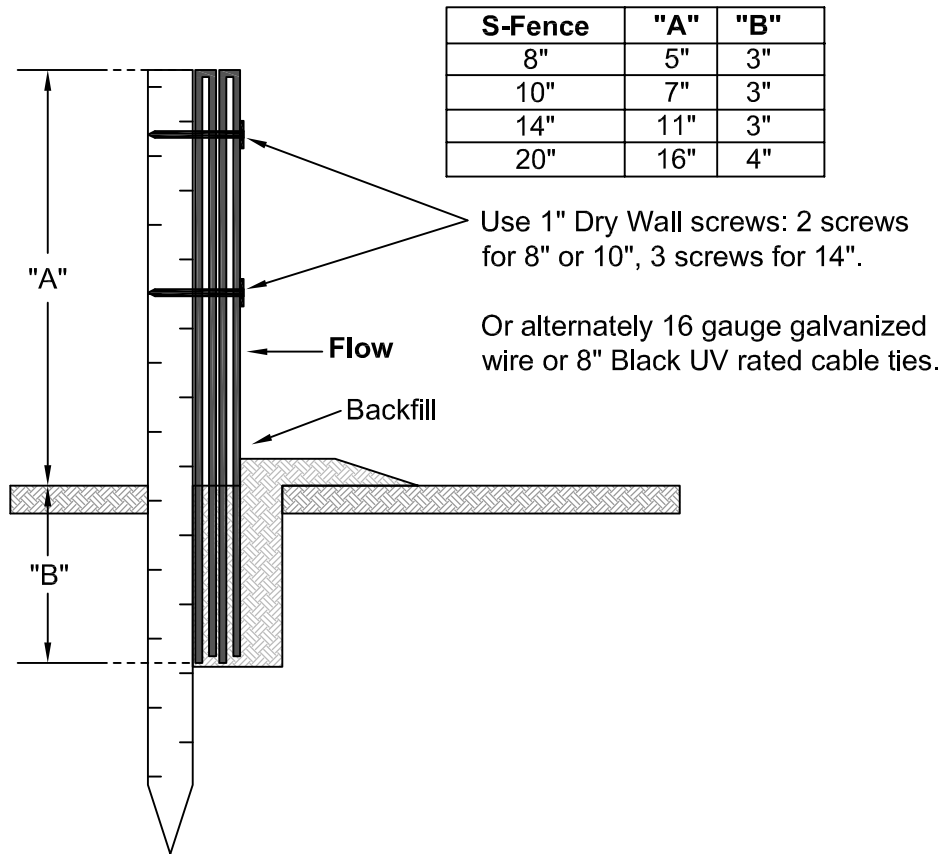
Design Criteria

For detailed product characteristics contact ERTEC Environmental Systems @ (866) 521-0724 or www.ertecsystems.com. The unit weight of the system is 0.30 lbs/ft (10"), 0.40 lbs/ft (14") and 0.62 lbs/ft (20"). For installation procedures, follow the instructions on the attached drawings. The last in-line S-Fence™ should be bent and dog-legged upslope to ensure sediment containment.

Maintenance

Inspect S-Fence™ when rain is forecast. Perform maintenance as needed or as required. Inspect S-Fence™ following rainfall events and at least daily during prolonged rainfall. Maintain S-Fence™ to provide an adequate sediment holding capacity. Sediment shall be removed when the sediment accumulation reaches 50% of the barrier height. Removed sediment should be incorporated in the project outside of concentrated flow paths. Remove S-Fence™ after the site has been stabilized.

 ERTEC ENVIRONMENTAL SYSTEMS 1150 Ballena Blvd. Suite 250 Alameda, CA 94501 P. 866-521-0724 F. 510-521-3972 http://www.ertecsystems.com/	U.S. and International Patents Apply © 2009-15 ERTEC Environmental Systems		
	File Name: ERTEC - Installation Details - S Fence.dwg		
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Notes:

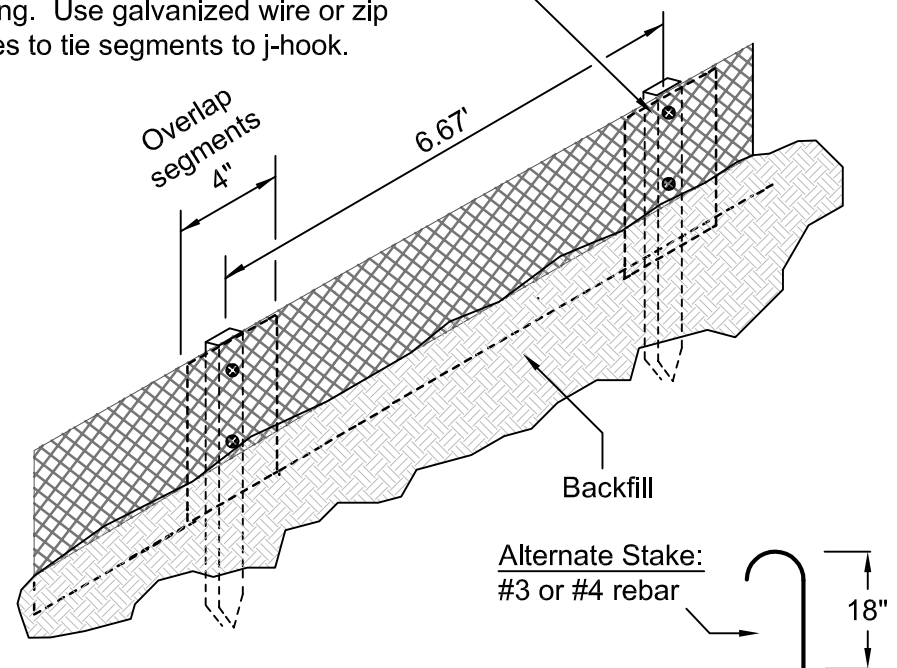
1. Cut trench 2" to 4" wide, 3" to 4" deep.
2. Install in slot against downstream side of trench wall, backfill the trench to grade level.
3. Overlap segments by at least 3". Install stakes on downstream side of segment overlaps.
4. Use 1" Dry Wall screws: 2 or 3 places. Or alternately 16 gauge tie-wire or 8" Black UV rated staple cable ties (zip ties) to tie segments together.

Notes:

1. Dog-leg at end-of-runs to contain sediment.
2. Install on same contour to limit scour and flow concentration. Dog-leg periodically if on down-hill run to minimize velocity scour.

Staking Methods:

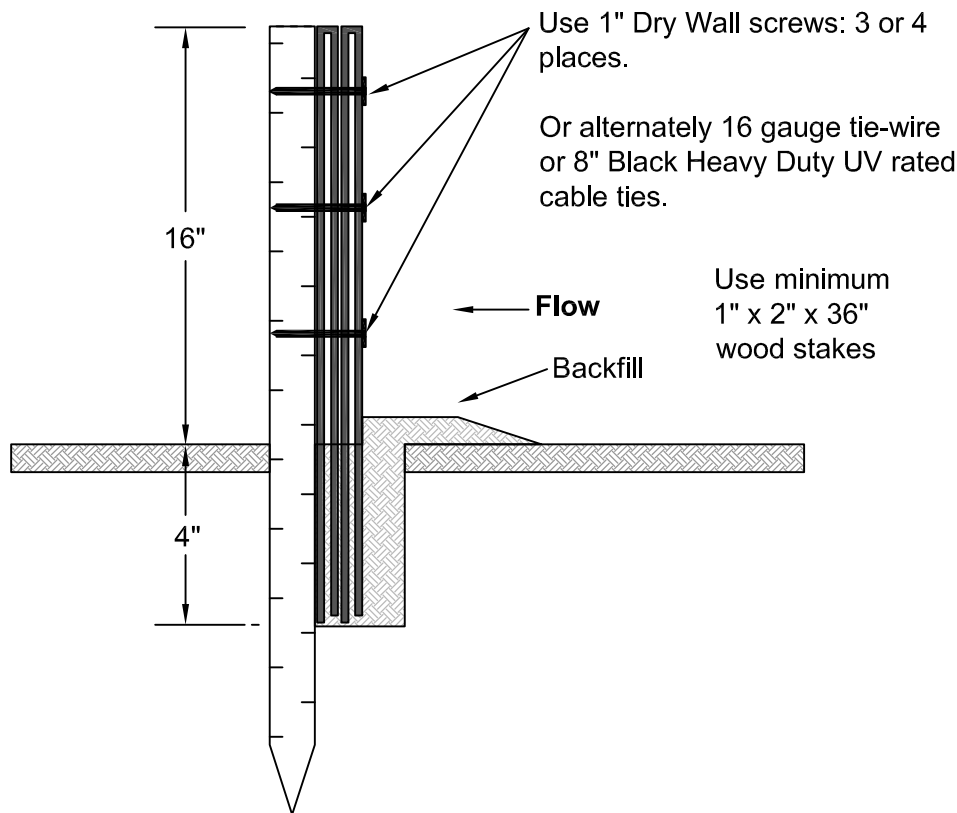
1. Wooden Stake: Use 1" x 2" x 18". One at each overlap or 6.67' apart.
2. #3 or #4 rebar j-hook minimum 18" long. Use galvanized wire or zip ties to tie segments to j-hook.



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ERTEC® S-Fence™ Installation Details

20", SF20

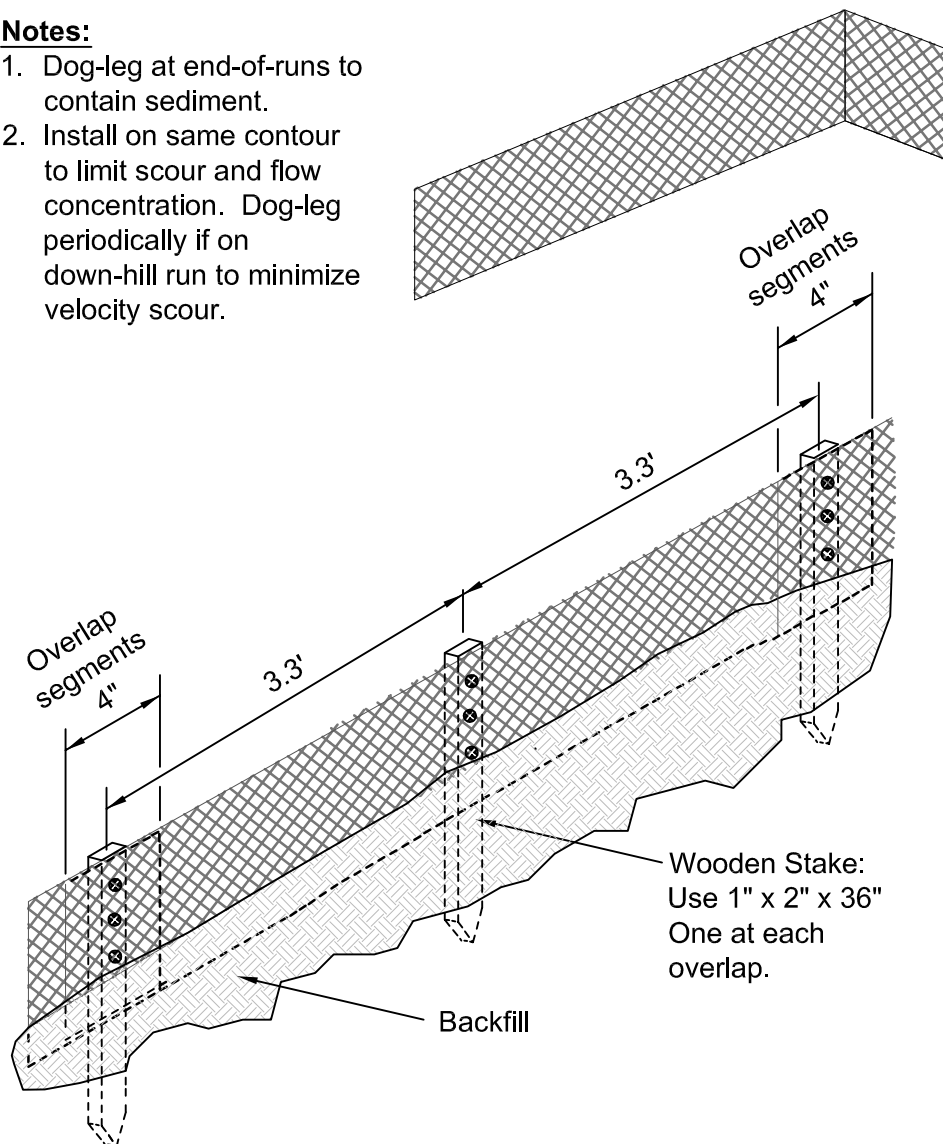


Notes:

1. Cut trench 2" to 4" wide, 4" deep.
2. Install in slot against downstream side of trench wall, backfill the trench to grade level.
3. Overlap segments by at least 3". Install stakes at downstream side of segment overlaps and also one stake in-between segments.
4. Use 1" Dry Wall screws: 3 or 4 places. Or alternately 16 gauge tie-wire or 8" Black Heavy Duty UV staple cable ties (zip ties) to tie segments together.

Notes:

1. Dog-leg at end-of-runs to contain sediment.
2. Install on same contour to limit scour and flow concentration. Dog-leg periodically if on down-hill run to minimize velocity scour.



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ERTEC® S-Fence™

Application Detail - Installation next to perimeter fence

S-Fence™ Dimensions:

SF08	8" high x 7' long
SF10	10" high x 7' long
SF14	14" high x 7' long
SF20	20" high x 7' long

Construction
site perimeter
fence

ERTEC®
S-Fence™

S-Fence™ segments
overlap 3"

Construction Site →

Attach S-Fence™ to construction
perimeter fence at the overlaps.

More often if required, using:

- 16 AWG tie-wire or
- 11" black UV cable ties

← Flow Direction

Backfill

S-Fence	"A"	"B"
8'	5"	3"
10'	7"	3"
14'	11"	3"
20'	16"	4"

Notes:

1. Cable-ties will require a pilot hole for insertion. Use a punch or small nail.
2. Cut trench 2" to 4" wide, 3" to 4" deep.
3. Install in slot against downstream side of trench wall, backfill the trench to grade level.
4. Overlap segments by at least 3".

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