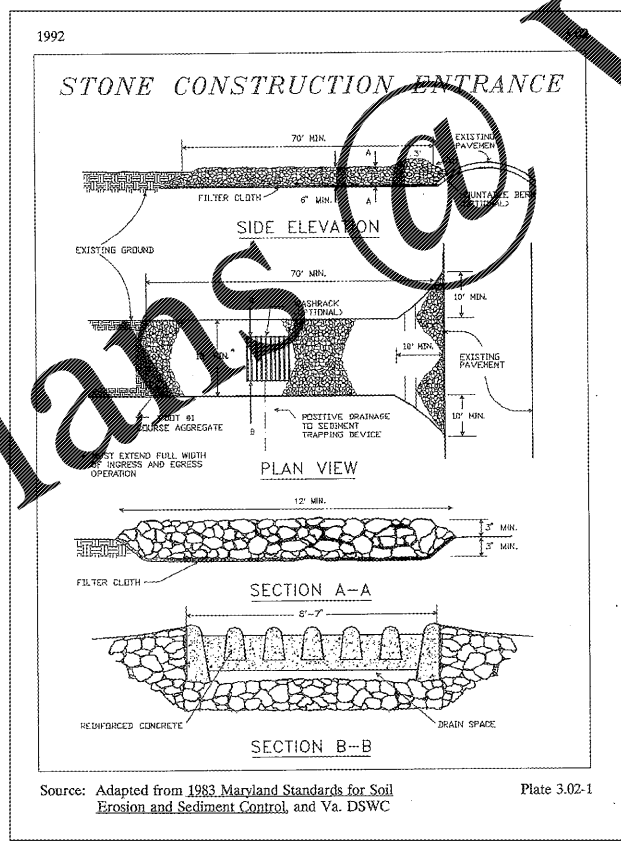


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### SEDIMENT CONTAINMENT PROTECTION

Table 2: SMARTFence® 36 MARV

Test Method	Minimum Average Test Values (MARV)
Wide Width Tensile Strength (ASTM D 4376)	> 3,000 lbs./in. (21,000 N/m)
Wide Width Tensile Elongation (ASTM D 4376)	> 30% (20% - 30%)
Crash Tensile Strength (ASTM D 4376)	> 25 lbs./sq. ft. (2,268 N/m²)
Crash Elongation (ASTM D 4376)	> 100%
Trapezoidal Tear (ASTM D 6355)	100 lbs. (45 N)
Shrinkage (ASTM D 2396)	< 5%
Apparent Opening Size (ASTM D 4753)	< 0.075 in. (1.9 mm)
Water Flux (ASTM D 4461)	< 100 gpm/ft.² (2.5 L/min/m²)
UV Stability (ASTM D 4328)	> 90% Strength Retained (100)

Table 1 is a comparison of 14-gauge wire-backing and 9-gauge chain-link fence structural characteristics versus the same structural properties for the SmartFence® 36. The Modulus of Elasticity is a measure of material stiffness.

Table 1: Structural comparisons between wire and chain-link backing versus SMARTFence® 36

PROPERTY	14-GAUGE WIRE FENCE (2" x 4" mesh)	12.5-GAUGE CHAIN-LINK FENCE (2-3/8" mesh)	SMARTFence® 36
Average Breaking Tensile Strength (lb./ft.)	710	1,930	>5,000 (average)
Average Modulus of Elasticity (lb./ft.)	2,600 lengthwise 19,400 widthwise	9,422 lengthwise 7,600 widthwise	>46,700 lengthwise >38,000 widthwise

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J. RANDALL ROYAL  
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8/24/18  
PROFESSIONAL ENGINEER

KHA PROJECT: 116607003  
DATE: 08/24/2018  
SCALE: AS SHOWN  
DESIGNED BY: LEY  
DRAWN BY: LEY  
CHECKED BY: JY

EROSION CONTROL DETAILS

WAWA AT NEWTOWN AND STONEY POINT PREPARED FOR WAWA

CITY OF NORFOLK VIRGINIA

SHEET NUMBER CE-502

REVISIONS

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