

INSIDE CORNER - PLAN VIEW

SILT FENCE SECTION	TYPE (WIRE BACK OR SLICED)	SECTION LENGTH (FT)	DRAINAGE AREA (ACRES)	AVERAGE SLOPE OF AREA
I	WR	200	3.0	2.5%

TABLE 1 Temporary Silt Fence Material Property Requirements

Property	Test Method	Units	Supported Silt Fence	Unsupported Silt Fence	Type of Value
Grab Strength	ASTM D-4632	lb/5yd	400 (20)	500 (20)	Min/Max
Grab Tensile Elongation	ASTM D-4632	%	400 (20)	400 (20)	Min/Max
Puncture	ASTM D-4633	lb/in	0.50	0.75	Min/Max
Mullen Burst	ASTM D-3786	psi	400 (20)	400 (20)	Min/Max
Trapezoidal Tear	ASTM D-4533	lb	400 (20)	400 (20)	Min/Max
UV Resistance	ASTM D-4751	%	75% after 1200 hr	75% after 1200 hr	Typical
Flow Rate	ASTM D-4491	gal/min/sq ft	2.00	2.00	Typical
Permeability	ASTM D-4493	sec	1.5	1.5	Typical

TABLE 2 Sedimentation/Silt Fence with Wire Backing

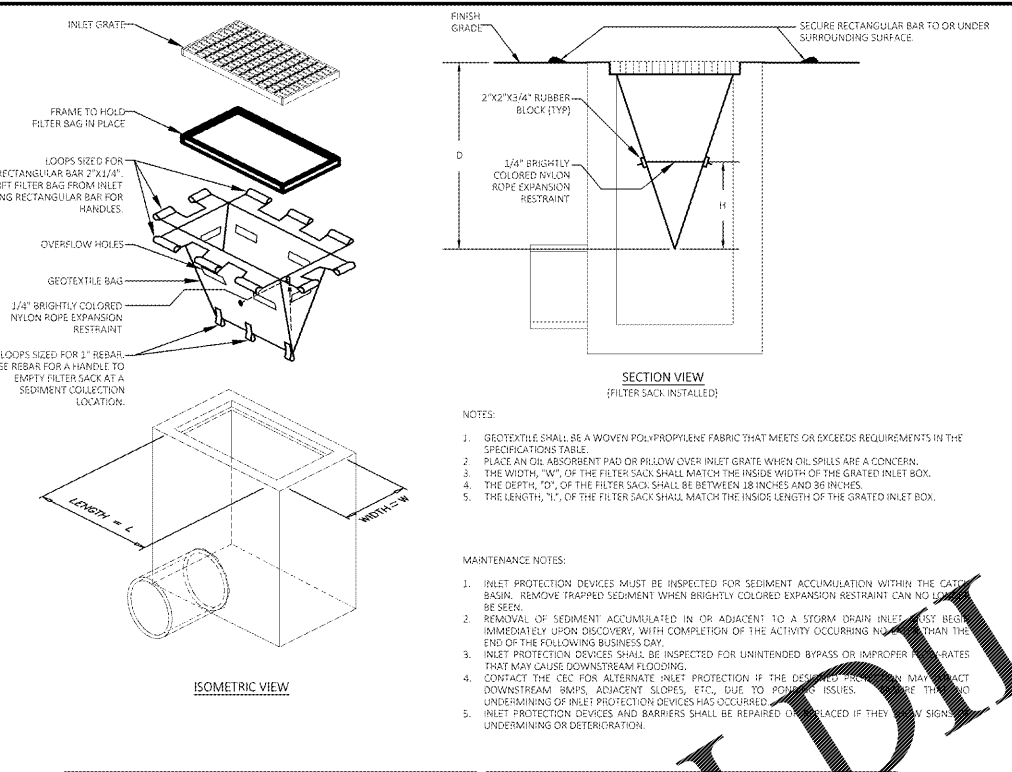
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UV Resistance	ASTM D-4751	%	75% after 1200 hr	75% after 1200 hr	Typical
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SPECIFICATIONS FOR SILT FENCE INSTALLATION

- MATERIALS AND INSTALLATION SHALL COMPLY WITH ASTM D 6462 LATEST EDITION.
- INSTALL SILT FENCE AT A FAIRLY LEVEL GRADE ALONG THE CONTOUR WITH THE ENDS CURVED UPHILL TO PROVIDE SUFFICIENT UPSTREAM STORAGE VOLUME FOR THE ANTICIPATED RUNOFF.
- ATTACH THE GEOTEXTILE OR FABRIC TO THE WOVEN OR WELDED WIRE FENCE WITH THREE WIRE TIES OR OTHER FASTENERS (HORIZONTALLY SPACED EVERY 30"). ALL SPACED WITHIN THE TOP 8" OF THE FABRIC. ATTACH EACH TIE DIAGONALLY AS DECREASES THROUGH THE FABRIC, WITH EACH PUNCTURE AT LEAST 1" VERTICALLY APART. AT EACH POST, ATTACH THE GEOTEXTILE OR FABRIC AND THE WOVEN OR WELDED WIRE FENCE TO THE POST AS PREVIOUSLY STATED. IN ADDITION, EACH TIE PLACED ON A POST SHOULD BE POSITIONED TO HANG ON A POST NIPPLE WHEN TIGHTENED TO PREVENT SAGGING.
- WHEN TWO SECTIONS OF SILT FENCE FABRIC ADJOIN EACH OTHER, THEY SHALL BE OVERLAPPED A MINIMUM OF 60" ACROSS TWO POSTS. AS SHOWN.
- ALL SILT FENCE SHALL INCLUDE WIRE SUPPORT UNLESS THE STATIC SLICING METHOD IS UTILIZED TO INSTALL THE FENCE PER DETAIL, "SILT FENCE INSTALLATION (SLICING METHOD)".
- WRAP APPROXIMATELY 6" OF FABRIC AROUND THE END POSTS AND SECURE WITH 3 TIES.
- COMPACT THE SOIL IMMEDIATELY NEXT TO THE SILT FENCE FABRIC WITH THE FRONT WHEEL OF THE TRACTOR, SPID STEER, OR ROLLER EXERTING AT LEAST 60 POUNDS PER SQ. INCH. COMPACT THE UPSTREAM SIDE FIRST. COMPACT EACH SIDE TWICE FOR A TOTAL OF FOUR TRIPS.
- ADD POST CAPS AS NEEDED BASED ON SITE CONDITIONS AND APPLICABLE AGENCY REQUIREMENTS.

MAINTENANCE NOTES

- SILT FENCES SHALL BE INSPECTED ALONG ITS ENTIRETY AND MUST BE CLEANED WHEN SEDIMENT HAS ACCUMULATED TO ONE-THIRD THE HEIGHT OF THE SILT FENCE. MAINTENANCE CLEANOUT MUST BE CONDUCTED REGULARLY TO PREVENT ACCUMULATED SEDIMENTS FROM REACHING ON-THIRD THE HEIGHT OF THE SILT FENCE.
- ALL MATERIAL EXCAVATED FROM BEHIND SILT FENCE SHALL BE DEPOSITED IN AN UPWARD PORTION OF THE SITE IF SUITABLE FOR REUSE.
- SPECIAL ATTENTION SHOULD BE PAID TO ENSURE THAT NO UNDERMINING OF SILT FENCE HAS OCCURRED AND THAT NO BYPASS IS OCCURRING AT JOINT SECTIONS.
- IF EXCESS SEDIMENT IS ACCUMULATING IN ANY SECTION OF SILT FENCE, THE CONTRACTOR SHOULD IMPLEMENT ADDITIONAL UPSTREAM STABILIZATION MEASURES OR ADDITIONAL BMPs (PENDING CEC APPROVAL) TO PREVENT EXCESSIVE BUILDUP ON SILT FENCE.
- BIG REDS SHALL BE REPAIRED TO THEIR ORIGINAL CONDITIONS IF DAMAGED.



LOW TO MODERATE FLOW GEOTEXTILE FABRIC SPECIFICATION TABLE

PROPERTIES	TEST METHOD	UNITS	VALUES
GRAB TENSILE STRENGTH	ASTM D-4632	300 LBS	
GRAB TENSILE ELONGATION	ASTM D-4632	20%	
PUNCTURE	ASTM D-4633	120 LBS	
MULLEN BURST	ASTM D-3786	800 PSI	
TRAPEZOIDAL TEAR	ASTM D-4533	120 LBS	
UV RESISTANCE	ASTM D-4751	80%	
APPEARANT OPENING SIZE	ASTM D-4751	40 US SIEVE	
FLOW RATE	ASTM D-4491	40 GAL/MIN/SQ FT	
PERMEABILITY	ASTM D-4493	0.35 SEC -3	

MODERATE TO HIGH FLOW GEOTEXTILE FABRIC SPECIFICATION TABLE

PROPERTIES	TEST METHOD	UNITS	VALUES
GRAB TENSILE STRENGTH	ASTM D-4632	265 LBS	
GRAB TENSILE ELONGATION	ASTM D-4632	20%	
PUNCTURE	ASTM D-4633	200 LBS	
MULLEN BURST	ASTM D-3786	420 PSI	
TRAPEZOIDAL TEAR	ASTM D-4533	45 LBS	
UV RESISTANCE	ASTM D-4751	80%	
APPEARANT OPENING SIZE	ASTM D-4751	20 US SIEVE	
FLOW RATE	ASTM D-4491	200 GAL/MIN/SQ FT	
PERMEABILITY	ASTM D-4493	1.5 SEC -1	

INLET PROTECTION FILTER SACK

OR USE IN PAVED AREAS WHERE SEDIMENT LOADS ARE EXPECTED TO BE VERY LOW. CHECK LOCAL OVERFLOW HOLES TO PREVENT FLOODING.

SWP-CI "Big Red" Curb Inlet Protector

By ASP Enterprises and Storm Water Products

• Reusable Curb Inlet Protector
• Environmentally Friendly
• Durable and easy to install
• Made from 100% Recycled Materials

Easy to Install
• Versatile for a variety of curb heights
• Reusable and extremely easy to clean
• Made from 100% Recycled Materials

The SWP-CI "Big Red" Filter is a REUSABLE curb protector that keeps sediment out of the curb and gutter. It is made from 100% recycled materials and is extremely easy to install. Simply place it in front of the curb, and you're done. The SWP-CI "Big Red" Filter is made from 100% recycled materials and is extremely easy to install. Simply place it in front of the curb, and you're done.

• High Flow Rate
• Made of Durable High-Strength Geotextile
• Fully Reusable
• Made of Recycled Materials

SWP-CI "Big Red" Curb Inlet Protector

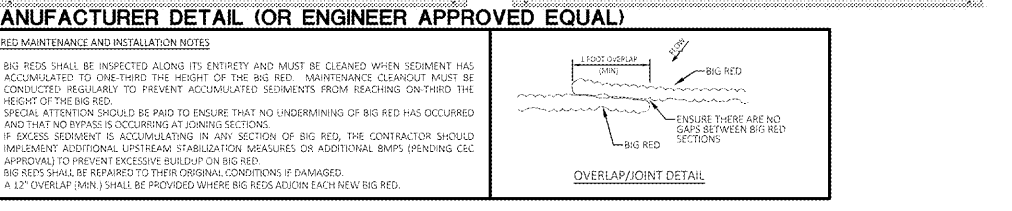
By ASP Enterprises and Storm Water Products

Specifications:
1. Inlet Material: shredded recycled rubber tires
2. Weight: approx. 10 lbs per linear foot
3. Diameter: approx. 8"

Geotextile fabric made of durable high flow fabric with the following properties:

Property	Test Method	Units	Typical Value
Grab Strength	ASTM D-4632	lb	200
Grab Tensile Elongation	ASTM D-4632	%	20
Tear Strength (Trapezoidal)	ASTM D-4533	lb	50
Mullen Burst	ASTM D-3786	psi	400

• High Flow Rate
• Made of Durable High-Strength Geotextile
• Fully Reusable
• Made of Recycled Materials



DEVELOPER/OWNER:
WALMART INC.
702 SW 8TH STREET, MAIL STOP 0505
BENTONVILLE, AR 72716-0505
479-204-3314

SITE OPERATOR/GENERAL CONTRACTOR:

SUPERINTENDENT:

IMPORTANT: GC MUST SIGN ALL PLAN SHEETS AND ANY NEW PLAN SHEETS ISSUED BY THE CEC.

SWPPP DETAIL SHEET 2

REVISIONS

NO.	DATE	DESCRIPTION

Engineering Associates, Inc.

ENGINEERS • SURVEYORS
PLANNERS • ENVIRONMENTAL SCIENTISTS
LANDSCAPE ARCHITECTS • ENVIRONMENTAL SCIENTISTS

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SAMS CLUB FUEL STATION #6463-502

SWPPP DETAIL SHEET 2

3012 LIBERTY HWY #8
ANDERSON SOUTH CAROLINA

Sams CLUB

INITIAL DESIGN	11/7/19
DATE	
JOS	JPD
DFOR	PM
JAP	DES
DV	DRW

JOB NO.: 31076	SHEET NO.
DWG NAME: 31076-SWPPP	SW8
DATE: 11/7/19	
12:19 PM	
REV-0	

Order Plans @ WALMART

JOB # 31076 DRAWING: 31076-SWPPP.dwg LAST SAVED BY: DIVING