



2015 Industry & Public Works **EXPO**

Project: Drop Inlet Protection

BMP: Block & Stone DI Filter

- Materials:
- \$0.52 4 SF Landscape fabric
 - \$1.00 4 SF Poultry mesh
 - \$30.00 1 CY #57 stone
 - \$14.90 10 (8x8x16) Concrete blocks
- Cost: \$46.42



This project presented by: City of Roanoke





Industry & Public Works EXPO

Project: All Public Works

Program: All Public Works

Location: All Public Works

Organized by: City of Dallas

Industry & Public Works EXPO

Project: All Public Works

Program: All Public Works

Location: All Public Works

Organized by: City of Dallas

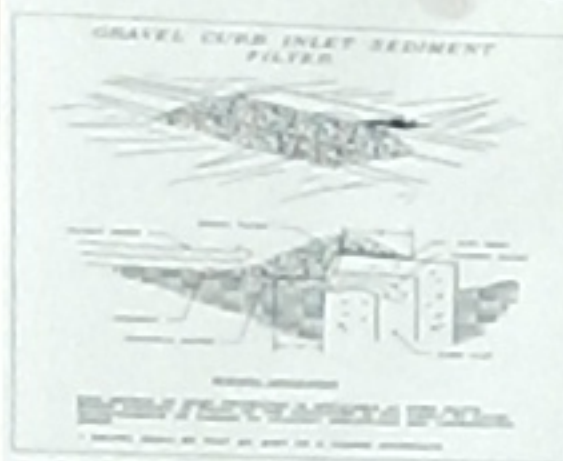
2015 Industry & Public Works EXPO

Project: Curb Inlet Protection

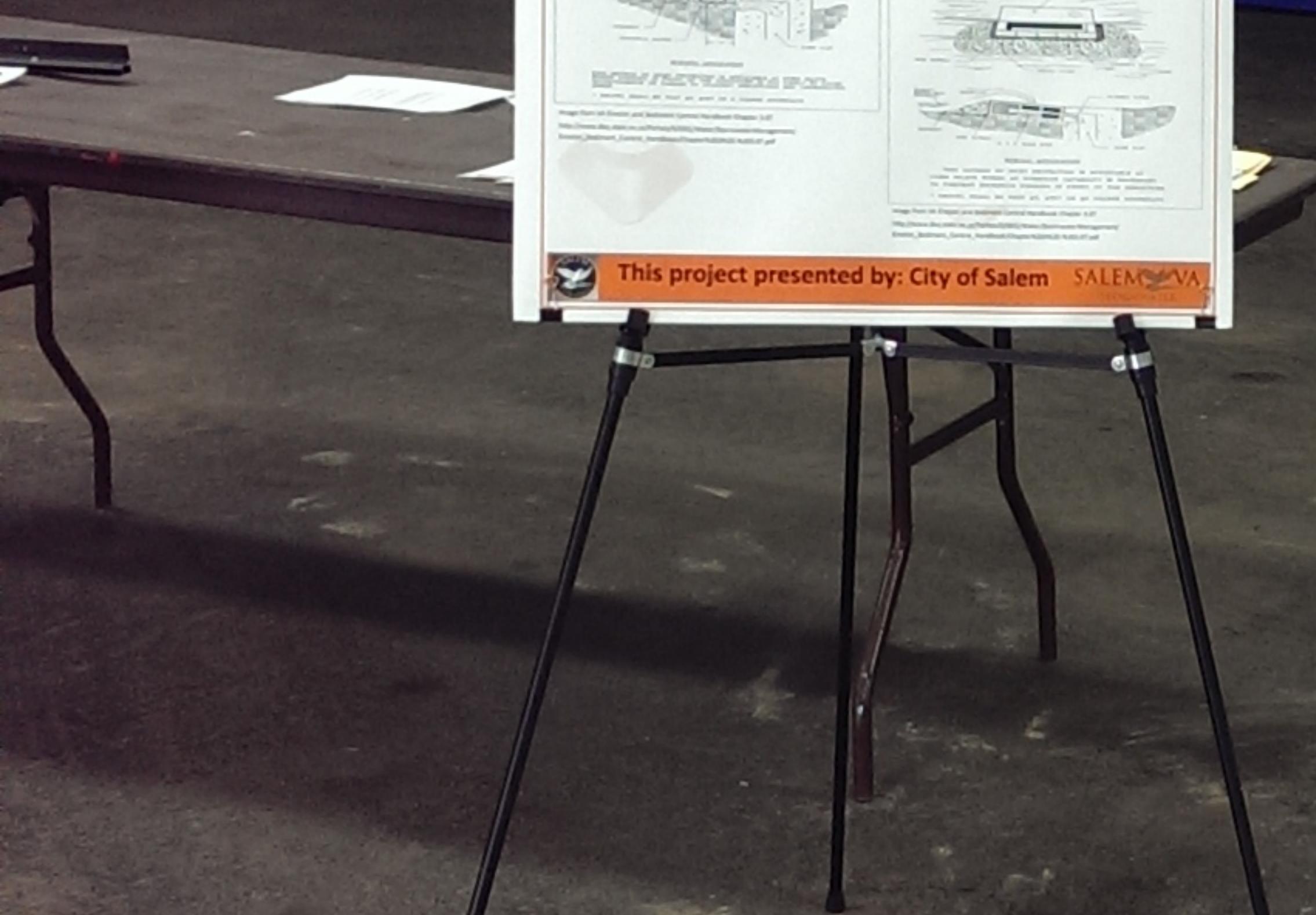
BMP: Gravel Sediment Filter or Block & Gravel Sediment Filter

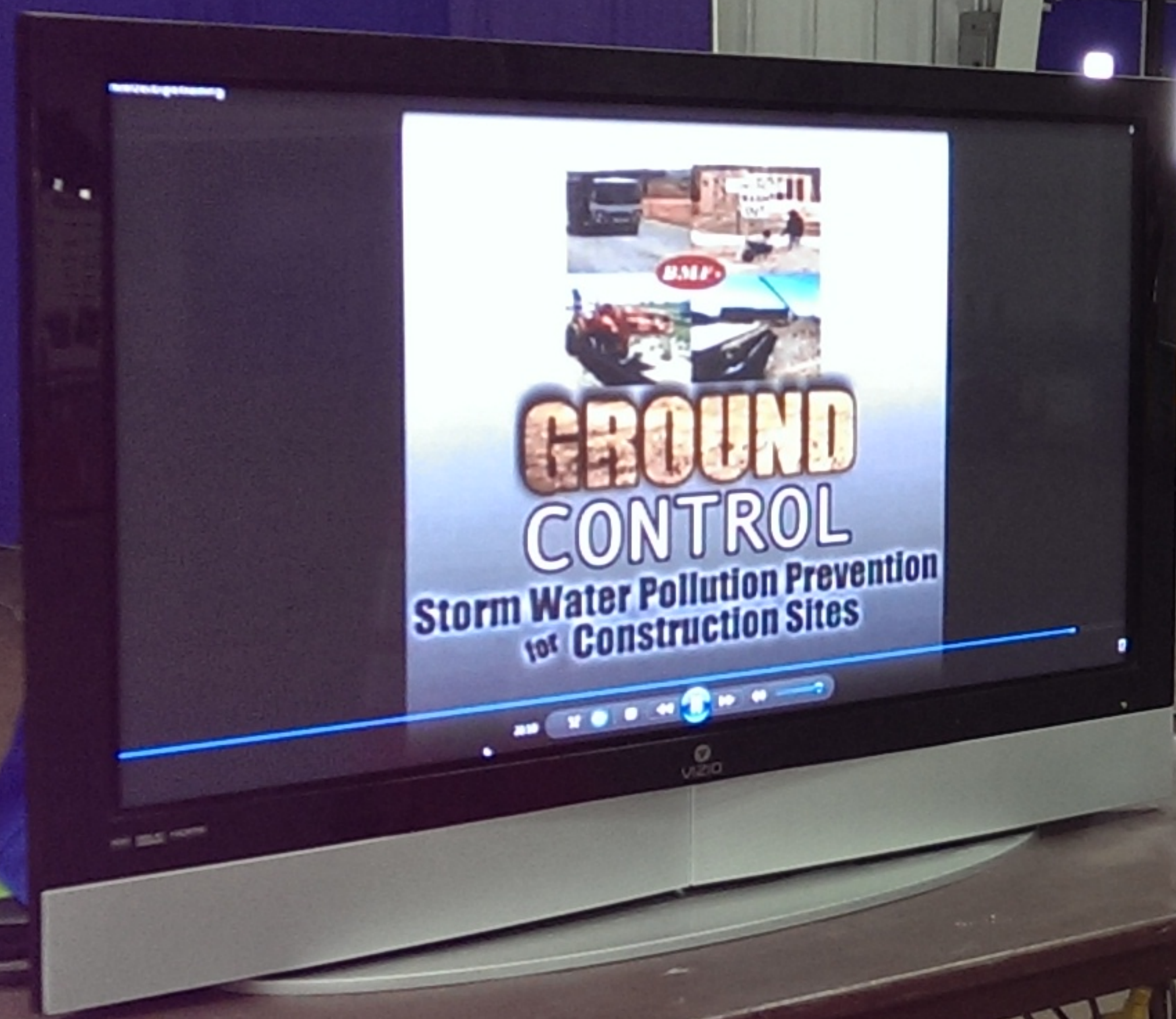
Materials: \$15.00 Cinderblocks & 2x4 (block/gravel)
\$15.00 Wire mesh, 1/2" openings
\$25.00 VDOT #3, #357, or #5 stone

Cost: \$40.00 (gravel) / \$55.00 (block/gravel)*
* Actual cost varies depending on curb inlet length and therefore quantities/volumes of materials



This project presented by: City of Salem SALEM, VA





Industry & Public Works EXPO

Project: Drop Inlet Protection

BMP: Straw Bales

Materials: \$30.00 Straw Bales (10)
\$12.20 Wood Stakes (10)

Cost: \$42.20

This project presented by: County of Roanoke







**Industry &
Public Works**

EXPO 

Project:

Gutter/Swale Protection

BMP:

**Silt Fence and Gravel/Rock
Check Dam**

Materials:

\$4.60	Silt Fence (20 ft.)
\$7.80	Wood Stakes (5)
\$32.00	Gravel/Rock

Cost:

\$44.40



This project presented by: County of Roanoke





Industry &
Public Works

EXPO



Project:

Silt Fence

BMP:

Proper silt fence installation

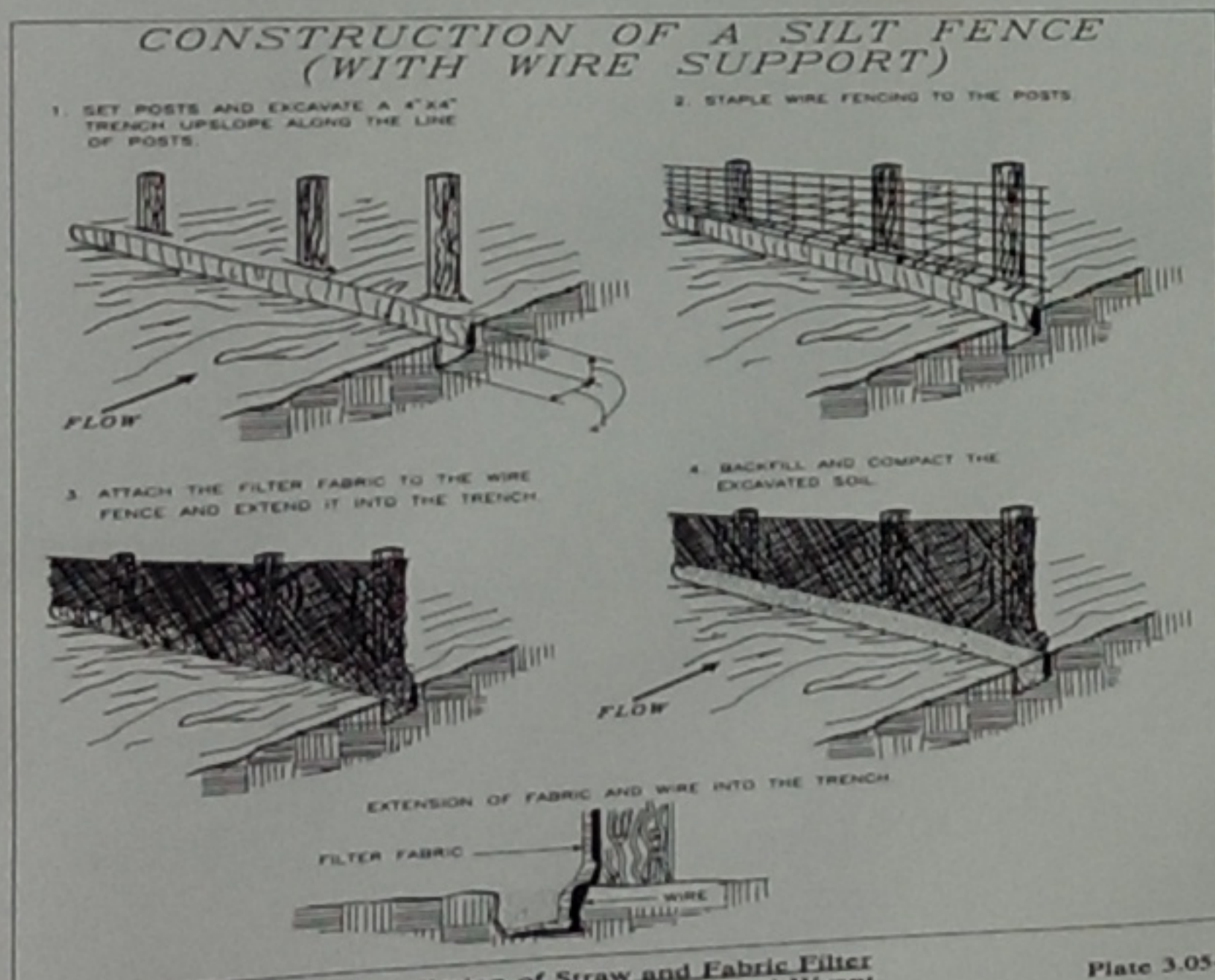
Materials:

\$40.00 100' PreFab Silt Fence/Stakes*

*Varies depending on manufacturer and volume

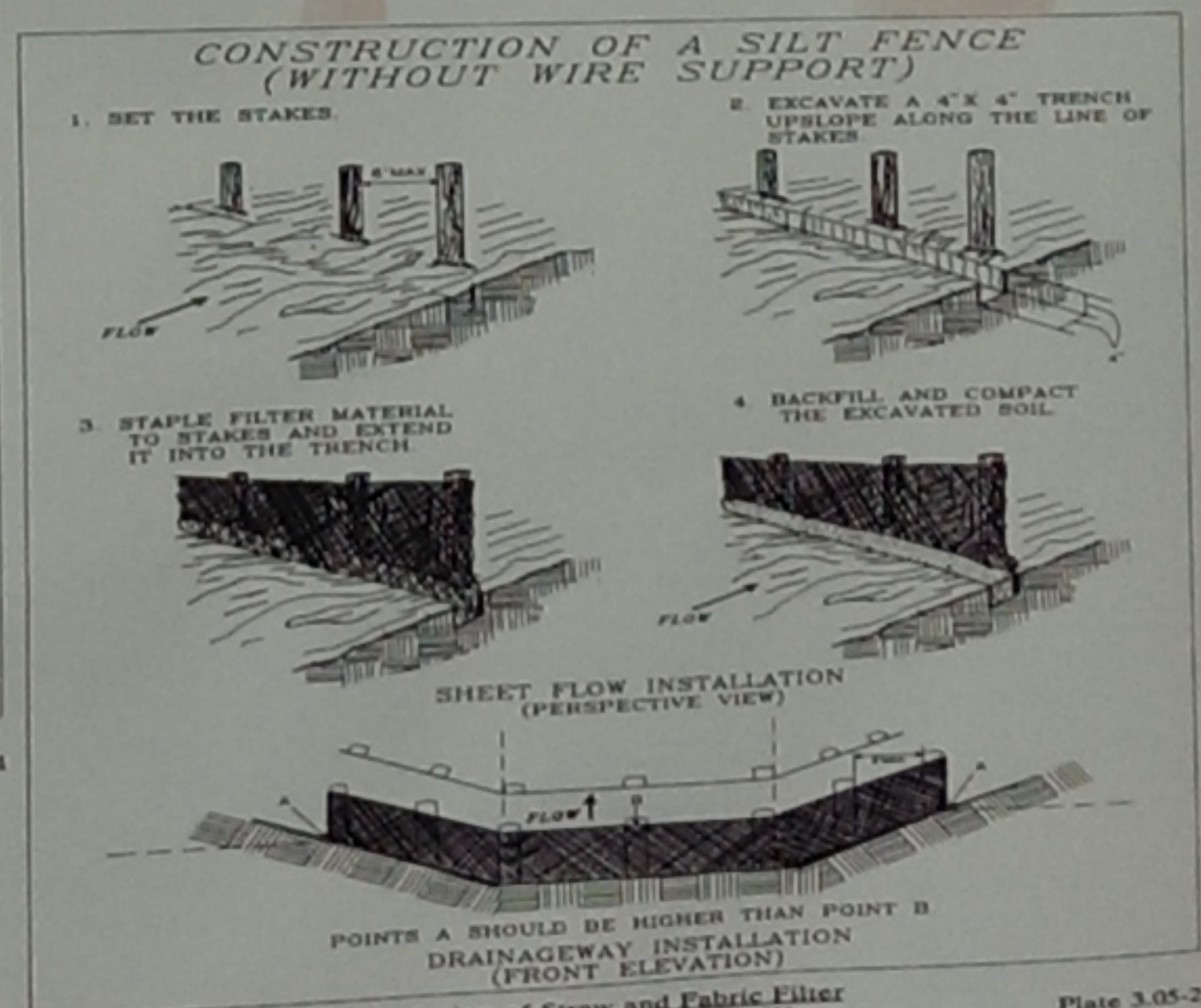
Cost:

\$40.00*



Source: Adapted from *Installation of Straw and Fabric Filter Barriers for Sediment Control*. Sherwood and Wyant
Image from VA Erosion and Sediment Control Handbook Chapter 3.05
http://www.deq.virginia.gov/Portals/0/DEQ/Water/StormwaterManagement/Erosion_Sediment_Control_Handbook/Chapter%203%20-%203.05.pdf

Plate 3.05-1



Source: Adapted from *Installation of Straw and Fabric Filter Barriers for Sediment Control*. Sherwood and Wyant
Image from VA Erosion and Sediment Control Handbook Chapter 3.05
http://www.deq.virginia.gov/Portals/0/DEQ/Water/StormwaterManagement/Erosion_Sediment_Control_Handbook/Chapter%203%20-%203.05.pdf

Plate 3.05-2



This project presented by: City of Salem

SALEM VA
STORMWATER







**Industry &
Public Works**

EXPO



Project: Curb Guard/Inlet Protection

BMP: Filter Sock, Curbguard Insert,
Oil/Debris Blocker, Cat Litter

Materials:

- \$100.00—\$450.00 Filter Sock (dep. on length)
- \$70.00 — \$300.00 Oil/Debris Blocker (dep. on size)
- \$100.00 — \$200.00 Curbguard Insert (dep. on size)
- \$3.00 Cat Litter per 10 lbs.



 This project presented by: Town of Vinton 

Industry & Public Works EXPO

Project: Bacteria Source Identification & Issues

BMP: Education/Good Housekeeping

Materials: N/A

Cost: Education and Training \$ 777

This project presented by Town of Vinton

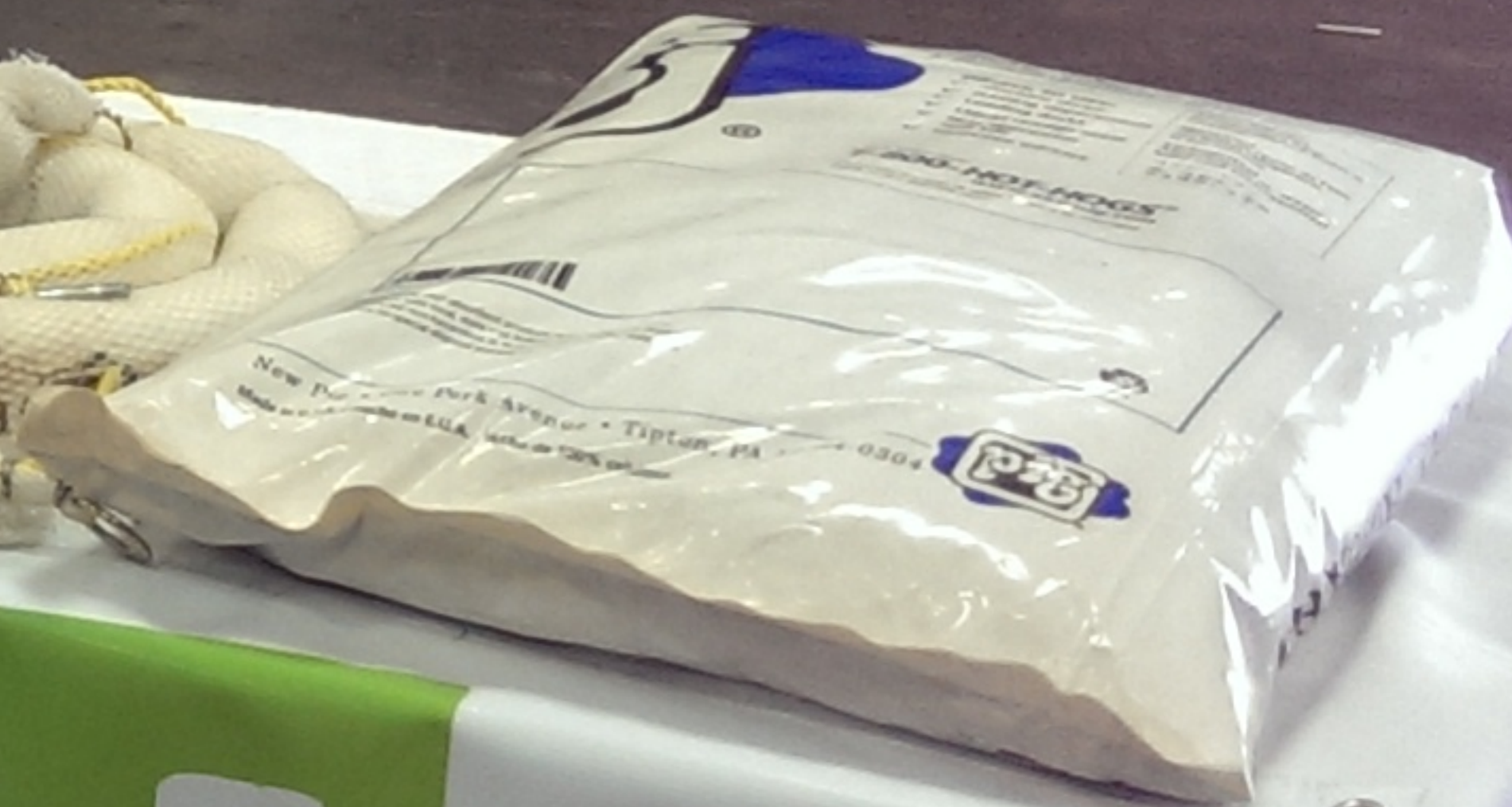
Industry & Public Works EXPO



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**Industry &
Public Works**

EXPO



Project:

Drop Inlet Protection

BMP:

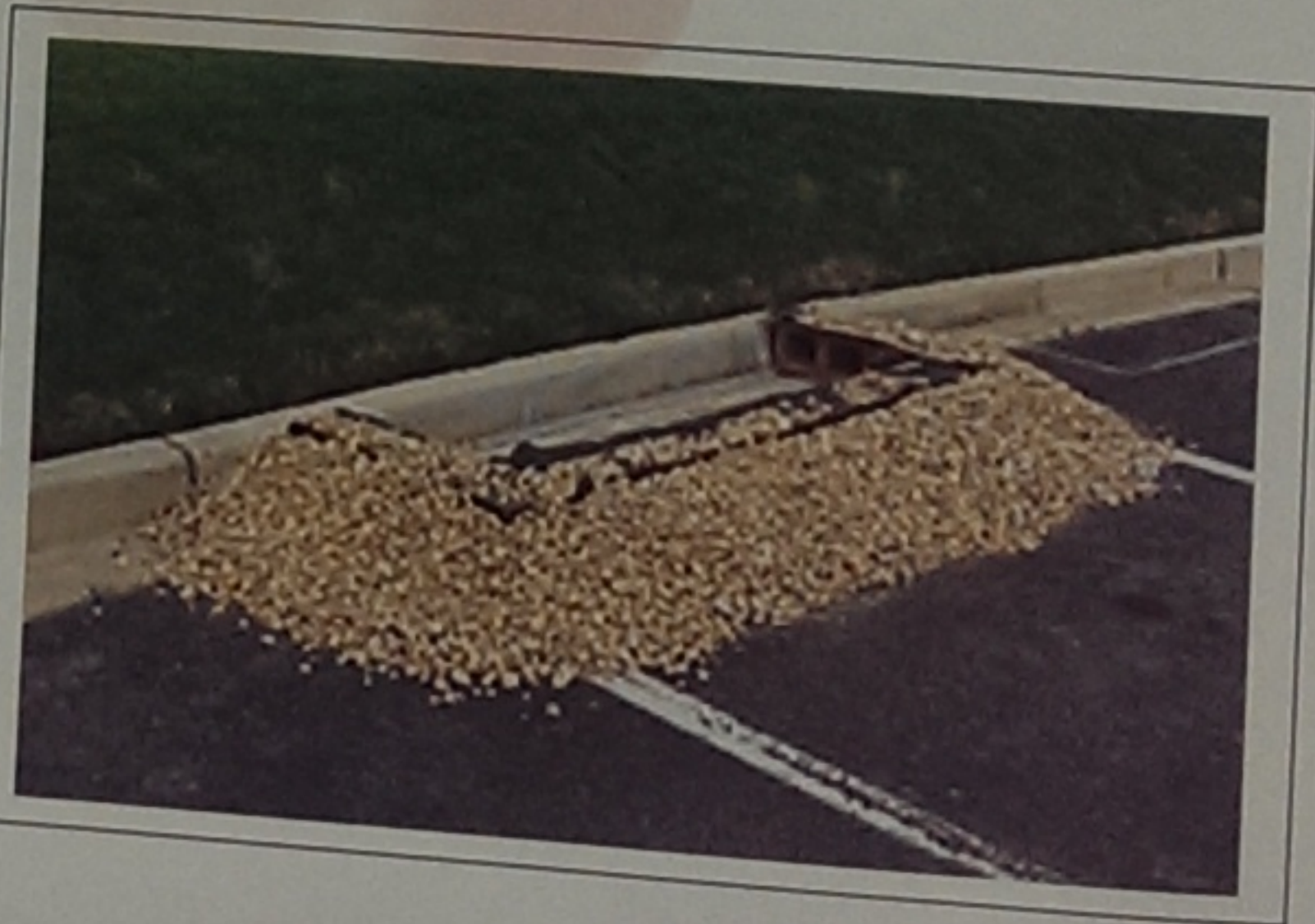
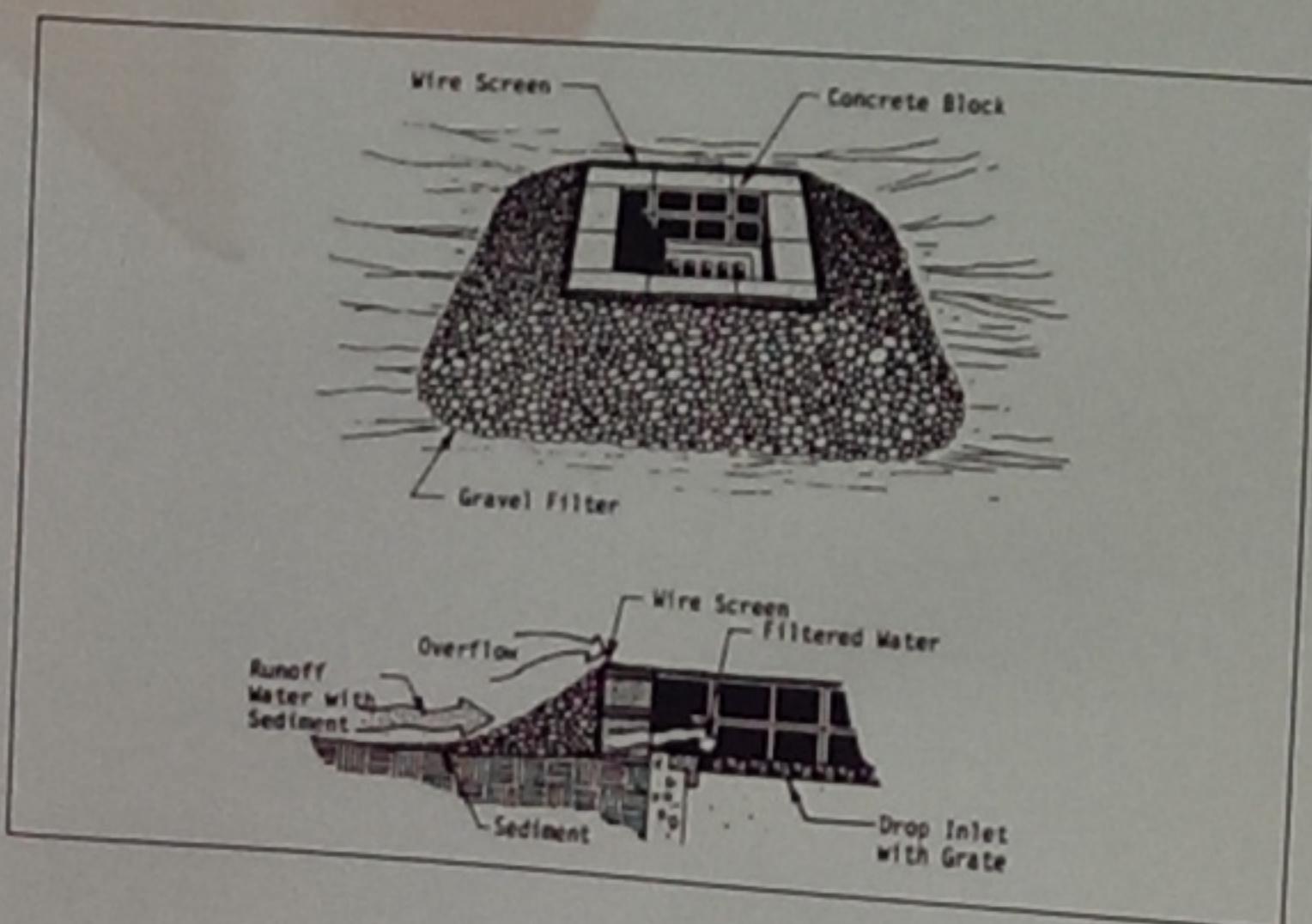
Block & Stone DI Filter

Materials:

- \$0.52 4 SF Landscape fabric
- \$1.00 4 SF Poultry mesh
- \$30.00 1 CY #57 stone
- \$14.90 10 (8x8x16) Concrete blocks

Cost:

\$46.42



This project presented by: City of Roanoke





Industry & Public Works

EXPO

Project:

Oil Spill Response

BMP:

Petroleum Spill/Leak Response

Materials:

- \$70.00/100 Oil-only, medium weight absorbent pad
- \$125.00 Oil-only boom with clip links (5" x 10')
- \$175.00 Urethane drain seal pad (24" x 24" x 3/8")
- \$10.00/25 lbs. Granular absorbent

Cost:

\$380.00 (with leftover supplies)



This project presented by: City of Roanoke



CONCRETE WASHOUT

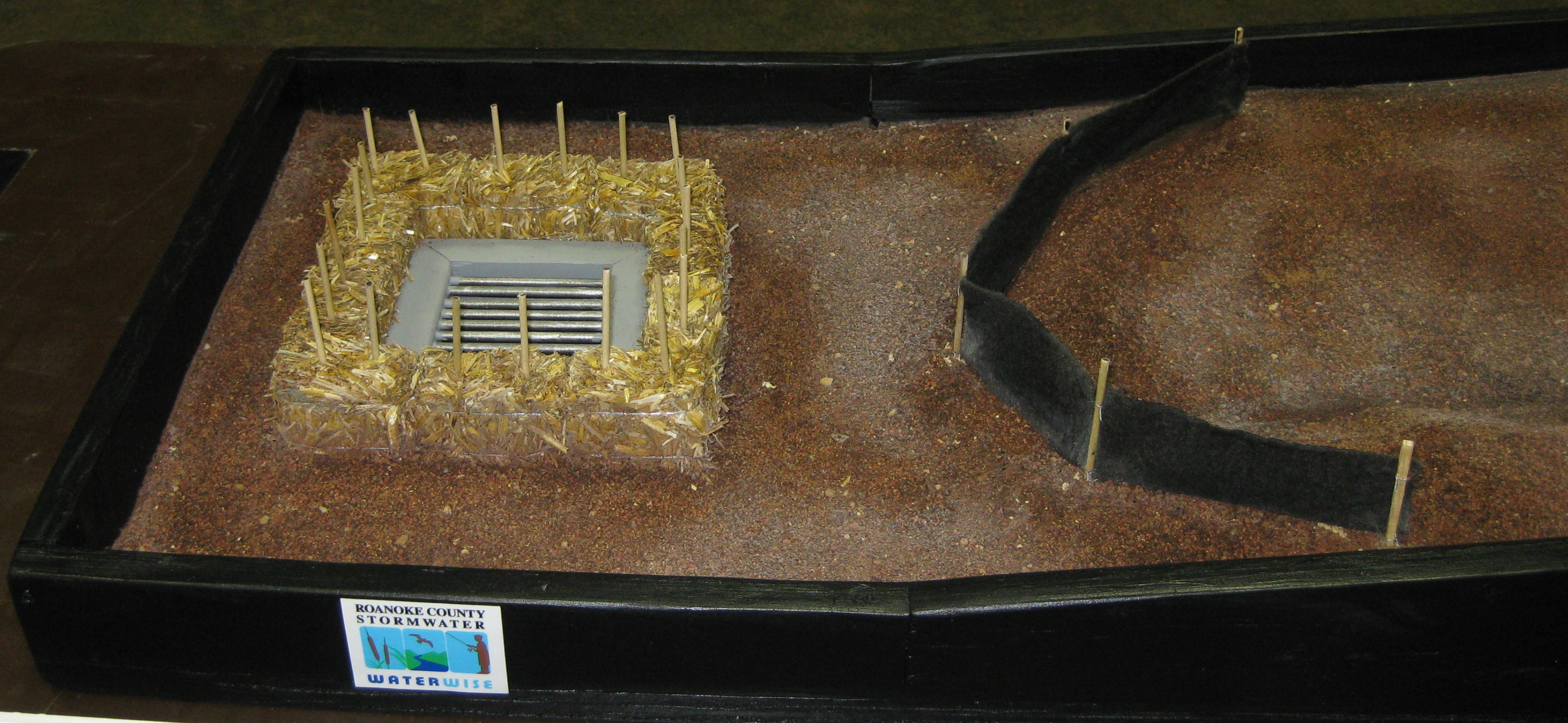


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Industry &
Public Works

EXPO









Industry & Public Works

EXPO



Project:

Gutter/Swale Protection

BMP:

Silt Fence and Gravel/Rock Check Dam

Materials:

- \$4.60 Silt Fence (20 ft.)
- \$7.80 Wood Stakes (5)
- \$32.00 Gravel/Rock

Cost:

\$44.40



This project presented by: County of Roanoke





Industry & Public Works

EXPO



Project:

Gutter/Swale Protection

BMP:

Silt Fence and Gravel/Rock Check Dam

Materials:

- \$4.60 Silt Fence (20 ft.)
- \$7.80 Wood Stakes (5)
- \$32.00 Gravel/Rock

Cost:

\$44.40



This project presented by: County of Roanoke





**Industry &
Public Works**

EXPO



Project:

Drop Inlet Protection

BMP:

Straw Bales

Materials:

\$50.00 Straw Bales (10)
\$31.20 Wood Stakes (20)

Cost:

\$81.20



This project presented by: County of Roanoke





**Industry &
Public Works**

EXPO



Project:

Drop Inlet Protection

BMP:

Straw Bales

Materials:

\$50.00 Straw Bales (10)
\$31.20 Wood Stakes (20)

Cost:

\$81.20



This project presented by: County of Roanoke





2015 Industry & Public Works EXPO

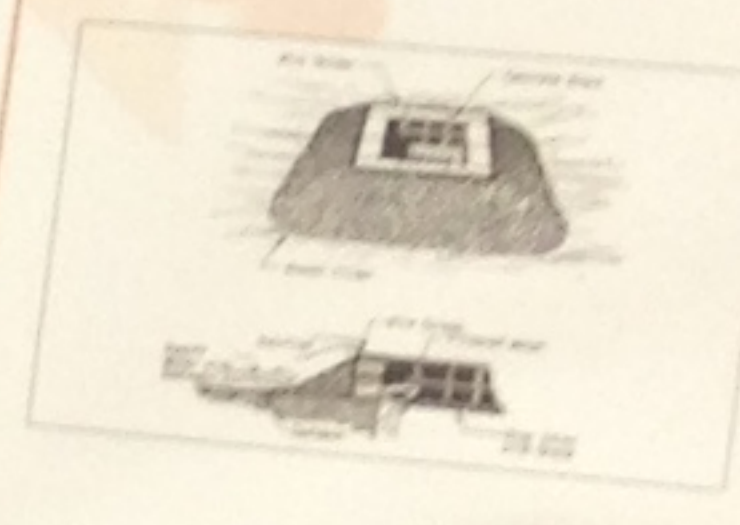
Project: Drop Inlet Protection

BMP: Block & Stone DI Filter

Materials:

\$0.52	4 5F Landscape fabric
\$1.00	4 5F Poultry mesh
\$30.00	1 CY #57 stone
\$14.90	10 (8x8x16) Concrete blocks

Cost: \$46.42



This project presented by: City of Roanoke



EXIT

2015 Industry & Public Works EXPO

Project: Oil Spill Response

BMP: Petroleum Spill/Leak Response

Materials:

- \$70.00/100 Oil-only, medium weight absorbent pad
- \$125.00 Oil-only boom with clip links (5" x 10')
- \$175.00 Urethane drain seal pad (24" x 24" x 3/8")
- \$10.00/25 lbs. Granular absorbent

Cost: \$380.00 (with leftover supplies)



This project presented by: City of Roanoke





Quarterly Report for Stormwater Programs

(Roanoke City, Roanoke County, Town of Vinton)

FY 2014-2015

REPORTING QUARTER

☒ 1) October
☒ 2) January
☒ 3) April
☒ 4) July

MCM 2: Public Involvement and Participation

Stormwater Public Events (Community Wide)

Event	Attendance	Date	Materials Distributed
EXAMPLE: FALL WATERWAYS CLEANUP	500	10/2/2014	DENIM PENCILS
Fall Waterways Cleanup	900	10/4/2014	Event T-shirts (reclaim our rivers), Stormwater bookmarks, pencils, bumper stickers,
Tons of Fun	2000	2/1/2015	Book tags, flyers, SW postcards, pencils, doody bags
Clean Valley Day	1200	4/11/2015	none - volunteer clean up event
Earth Day	1000	4/25/2015	All SW Brochures, postcards, pamphlets, SW pencils, SW chip clips, SW funnels, SW rain gauges, SW magnets, Pocket cigarette butt holder, "doody" bags
Roanoke River Duck Race	700	5/30/2015	All SW Brochures, postcards, pamphlets, SW pencils, SW chip clips, SW funnels, SW rain gauges, SW magnets, Pocket cigarette butt holder, "doody" bags
Public Works Expo (County only)	250*	4/22/2015	and model displayed showing drop inlet protection and gutter/swale