

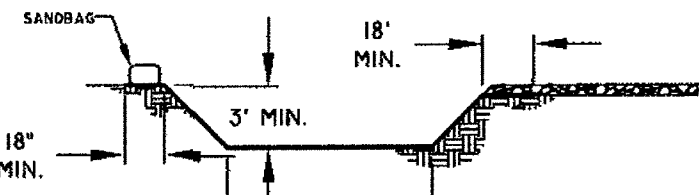
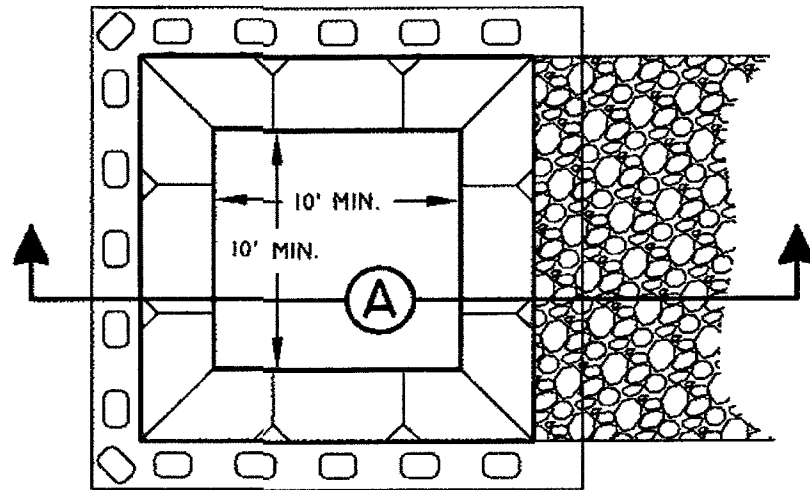
38321 - Lewis Gale Emergency Center  
November 1, 2016

EROSION & SEDIMENT CONTROL COST ESTIMATE

CONSTRUCTION ENTRANCE	EA	@	\$1,200.00	FOR EA.=	\$0.00
CONSTRUCTION ENTRANCE (WITH WASHRACK)	1 EA	@	\$1,700.00	FOR EA.=	\$1,700.00
SILT FENCE	590 L.F.	@	\$4.00	PER L.F. =	2,360.00
SILT FENCE (WIRE BACKED)	L.F.	@	\$6.00	PER L.F. =	0.00
CULVERT INLET PROTECTION	EA	@	\$400.00	FOR EA. =	0.00
INLET PROTECTION	9 EA	@	\$150.00	FOR EA.=	1,350.00
TEMPORARY DIVERSION DIKE	L.F.	@	\$5.00	PER L.F. =	0.00
TEMPORARY FILL DIVERSION	L.F.	@	\$5.00	PER L.F. =	0.00
RIGHT OF WAY DIVERSION	L.F.	@	\$10.00	PER L.F. =	0.00
TEMPORARY SLOPE DRAIN	L.F.	@	\$15.00	PER L.F. =	0.00
TEMPORARY SEEDING	S.F.	@	\$0.04	PER S.F.=	0.00
PERMANENT SEEDING	S.F.	@	\$0.05	PER S.F.=	0.00
BLANKET MATTING	2,670.0 S.F.	@	\$0.25	PER S.F.=	667.50
SEDIMENT BASIN	EA	@	\$5,000.00	FOR EA. =	0.00
SEDIMENT TRAP	EA	@	\$1,500.00	FOR EA. =	0.00
OUTLET PROTECTION	EA	@	\$250.00	FOR EA. =	0.00
TREE PROTECTION FENCE	EA	@	\$100.00	FOR EA. =	0.00
CHECK DAM	EA	@	\$100.00	FOR EA. =	0.00
* CONSTRUCTION ROAD	789 CY	@	\$42.00	PER C.Y.=	33,138.00
STABILIZATION					
TEMPORARY STREAM CROSSING	EA	@	\$1,500.00	FOR EA.=	0.00
LEVEL SPREADER	EA	@	\$150.00	FOR EA. =	0.00
TOPSOIL	CY	@	\$12.50	PER C.Y.=	0.00
10% CONTINGENCY					3,921.55
TOTAL E & S COST ESTIMATE:					<u>\$43,137.05</u>

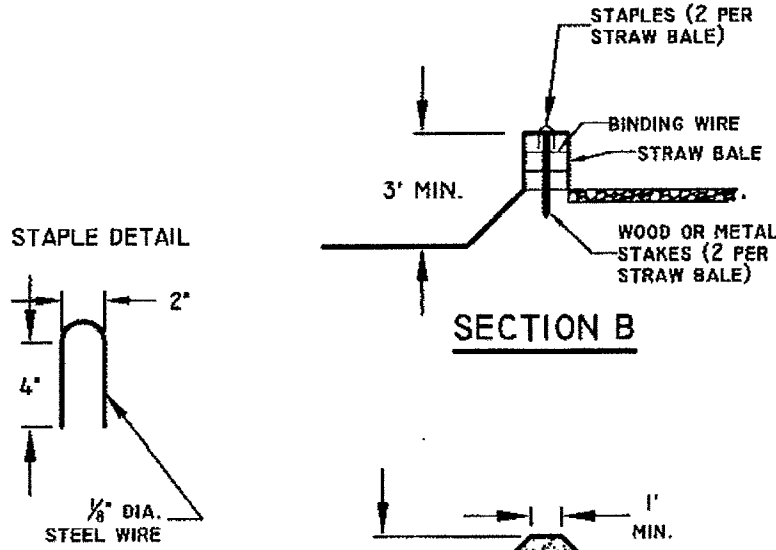
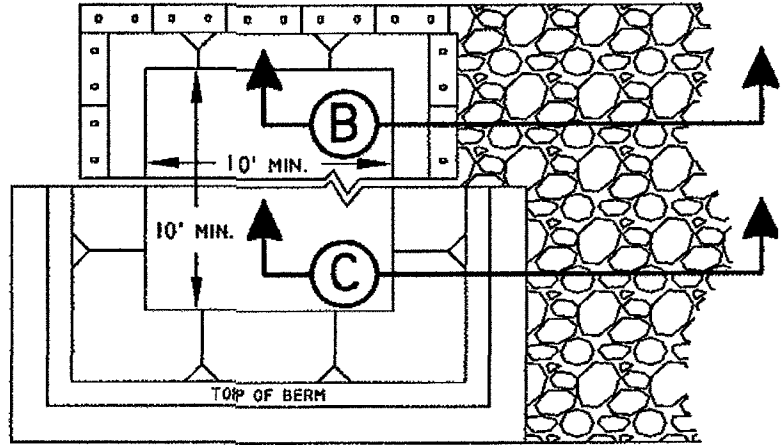
\* CONSTRUCTION ROAD STABILIZATION IS BEING APPLIED IN THE SAME LOCATION THAT IS ALSO THE BASE FOR THE PROPOSED ASPHALT PAVEMENT. THE UNIT PRICE SHOWN IN THE EROSION CONTROL ESTIMATE ASSUMES THE MAJORITY OF THE BASE STONE IS PLACED FOR CONSTRUCTION ROAD STABILIZATION DURING CONSTRUCTION. THE UNIT PRICE GIVEN FOR "10-IN BASE MATERIAL" IN THE ESTIMATE ON SHEET C0.1 HAS BEEN REDUCED ASSUMING THAT THE STONE IS SIMPLY TOP-DRESSED AND REGRADED AS NEEDED BEFORE LAYING THE ASPHALT.

BELOW GRADE CONCRETE WASHOUT AREA

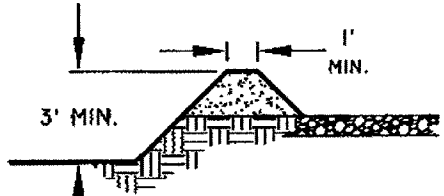


SECTION A

ABOVE GRADE CONCRETE WASHOUT AREA



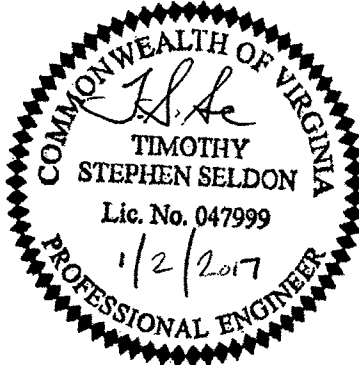
SECTION B



SECTION C

CONCRETE WASHOUT AREA NOTES

- ✓ The facility must be lined with 10 mil plastic lining that is free from holes, tears, or other defects that might compromise the material's impermeability.
- ✓ The lining must be anchored with staples (2" spacing) or sandbags.
- ✓ Side slopes must be 1:1 (horizontal:vertical) or flatter.
- ✓ Stone access must be provided between the street and the concrete washout area.
- ✓ A "Concrete Washout" sign must be installed within 30 feet of the washout facility. The sign must be no smaller than 2' tall by 4' wide.



THIS DRAWING PREPARED AT THE  
**TRI-CITIES OFFICE**  
4701 Owens Way, Suite 900 | Prince George, VA 23875  
TEL 804.458.8685 FAX 804.458.1511 www.timmons.com

YOUR VISION ACHIEVED THROUGH OURS.

DATE	REVISION DESCRIPTION
9/28/2016	REVISED PER COUNTY AND VDOT COMMENTS
11/1/2016	REVISED PER COUNTY AND VDOT COMMENTS
1/2/2017	SIGNATURE SETS

DATE  
8-23-2016

DRAWN BY  
T. SELDON

DESIGNED BY  
T. SELDON

CHECKED BY  
T. SELDON

SCALE  
NONE

**TIMMONS GROUP**

LEWISGALE EMERGENCY CENTER  
CAVE SPRING DISTRICT - ROANOKE COUNTY - VIRGINIA  
EROSION CONTROL NOTES AND DETAILS

JOB NO.  
38321  
SHEET NO.  
C1.6

APPROVED