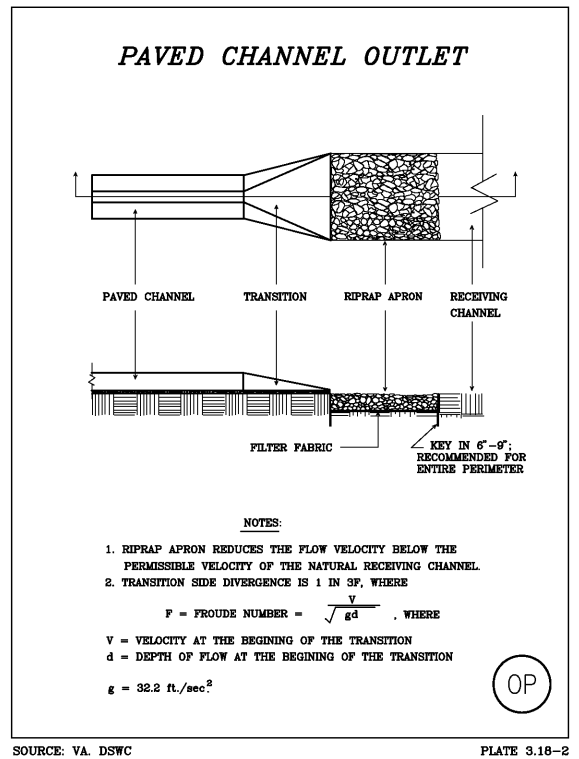
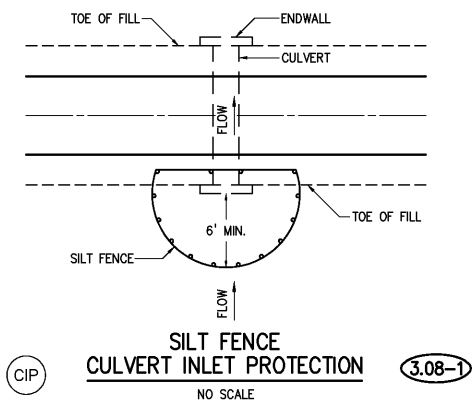
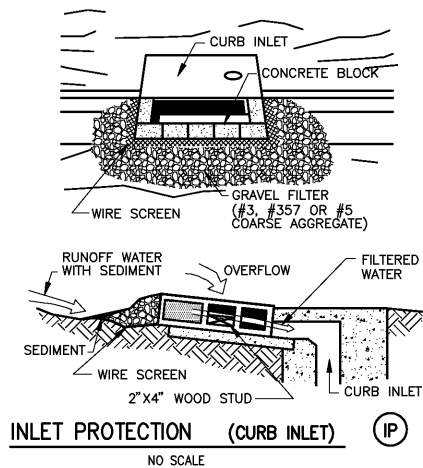
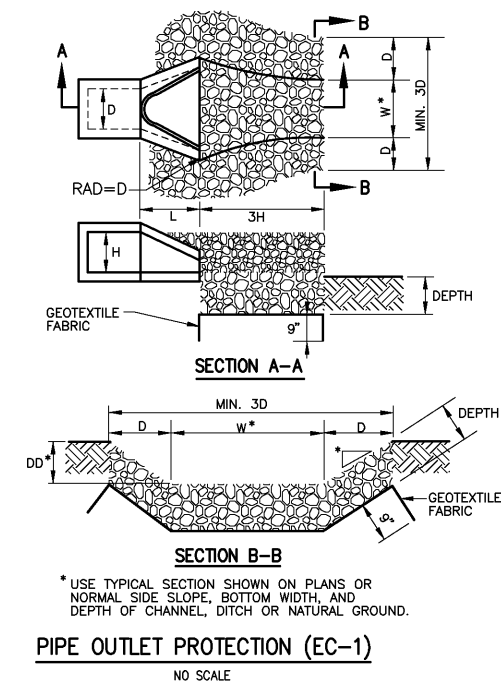


MULCHES:	RATES		NOTES:
	PER ACRE	PER 1000 SQ. FT.	
STRAW OR HAY	1 1/2 - 2 TONS (MINIMUM 2 TONS FOR WINTER COVER)	70-90 LBS.	FREE FROM WEEDS AND COARSE MATTER. MUST BE ANCHORED. SPREAD WITH MULCH BLOWER OR BY HAND.
FIBER MULCH	MINIMUM 1500 LBS.	35 LBS.	DO NOT USE AS MULCH FOR WINTER COVER OR DURING HOT, DRY PERIODS.* APPLY AS SLURRY.
CORN STALKS	4-6 TONS LBS.	185-275 LBS.	CUT AS SHREDDED IN 4-6" LENGTHS. AIR-DRIED. DO NOT USE IN FINE TURF AREAS. APPLY WITH MULCH BLOWER OR BY HAND.
WOOD CHIPS	4-6 TONS LBS.	185-275 LBS.	FREE OF COARSE MATTER. AIR-DRIED. TREAT WITH 12 LBS NITROGEN PER TON. DO NOT USE IN FINE TURF AREAS. APPLY WITH MULCH BLOWER, CHIP HANDLER, OR BY HAND.
BARK CHIPS OR SHREDDED BARK	50-70 CU. YDS LBS.	1-2 CU. YDS.	FREE OF COARSE MATTER. AIR-DRIED. DO NOT USE IN FINE TURF AREAS. APPLY WITH MULCH BLOWER, CHIP HANDLER, OR BY HAND.

\* WHEN FIBER MULCH IS THE ONLY AVAILABLE MULCH DURING PERIODS WHEN STRAW SHOULD BE USED, APPLY AT A  
MINIMUM RATE OF 2000 LBS./AC. OR 45 LBS./1000 SQ. FT.



				DESIGNED	H & S
				DRAWN	H & S
				CHECKED	
3	AS BUILT	OCT 2007	RLT	PROJ. ENGR.	H & S
2	CONSTRUCTION	MAR 2004	RLT		
1	REGULATORY APPROVAL	NOV 2003	RLT		
NO.	ISSUED FOR	DATE	BY	APPROVED	

DESIGNED H &amp; S

DRAWN \_\_\_\_\_ H & S

CHECKED \_\_\_\_\_

PROJ. ENGR. TT&S

APPROVED

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FOR CONSTRUCTION AND SEALED BY  
ROBERT S. DIFIORE, SEAL NO. 22769

THIS DOCUMENT ORIGINALLY ISSUED  
FOR CONSTRUCTION AND SEALED BY  
RONALD L. TAYLOR, SEAL NO. 024649

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**HAZEN AND SAWYER**  
Environmental Engineers & Scientists  
4011 WestChase Blvd, Raleigh, North Carolina 27607

**CITY OF ROANOKE**  
**VIRGINIA**

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**REGIONAL WATER POLLUTION CONTROL PLANT**  
**PROCESS TRAIN IMPROVEMENTS**

## MISCELLANEOUS STANDARD DETAILS

THE SCALE BAR SHOWN BELOW MEASURES ONE INCH LONG ON THE ORIGINAL DRAWING.	DATE      MARCH 2004	
	H & S JOB NUMBER      30788B	
	CONTRACT NUMBER B	DRAWING NUMBER D2