

AL151420.dwg - Valley View - Standard Sheets 15-003 - EROSION & SEDIMENT CONTROL DETAILS.dwg, Plotted By: Jivick, Plotter: Oct 28, 2016 - 8:34am

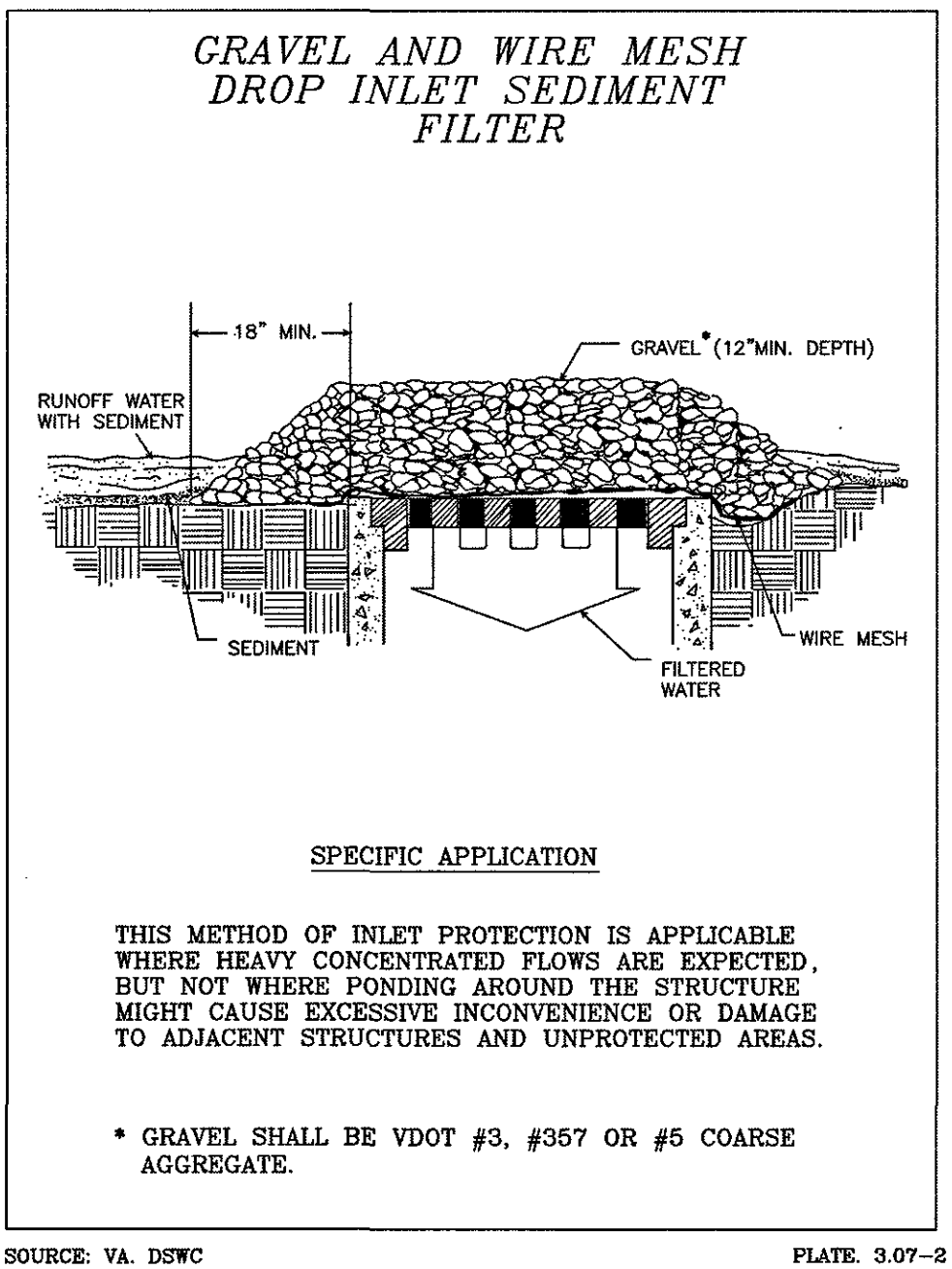
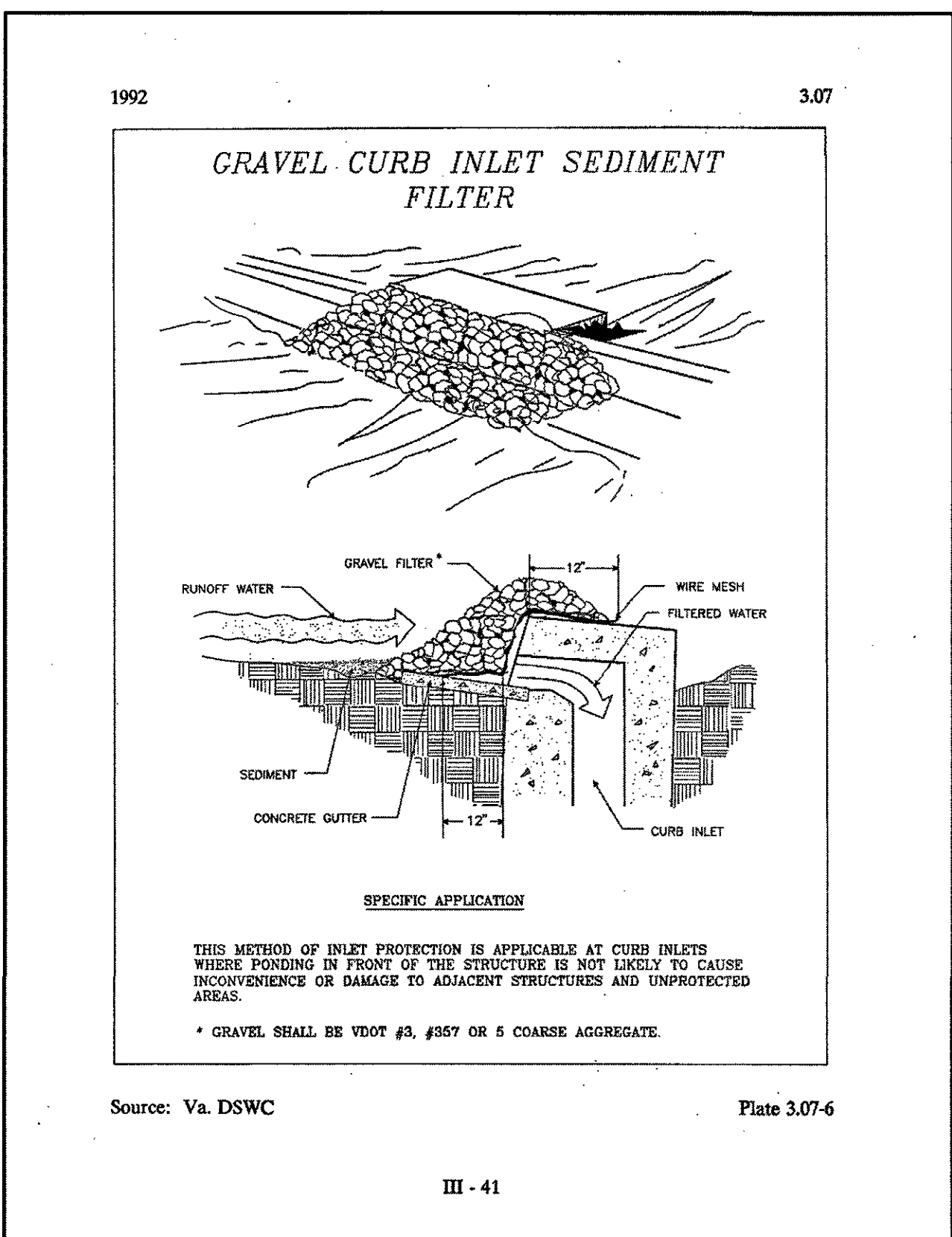
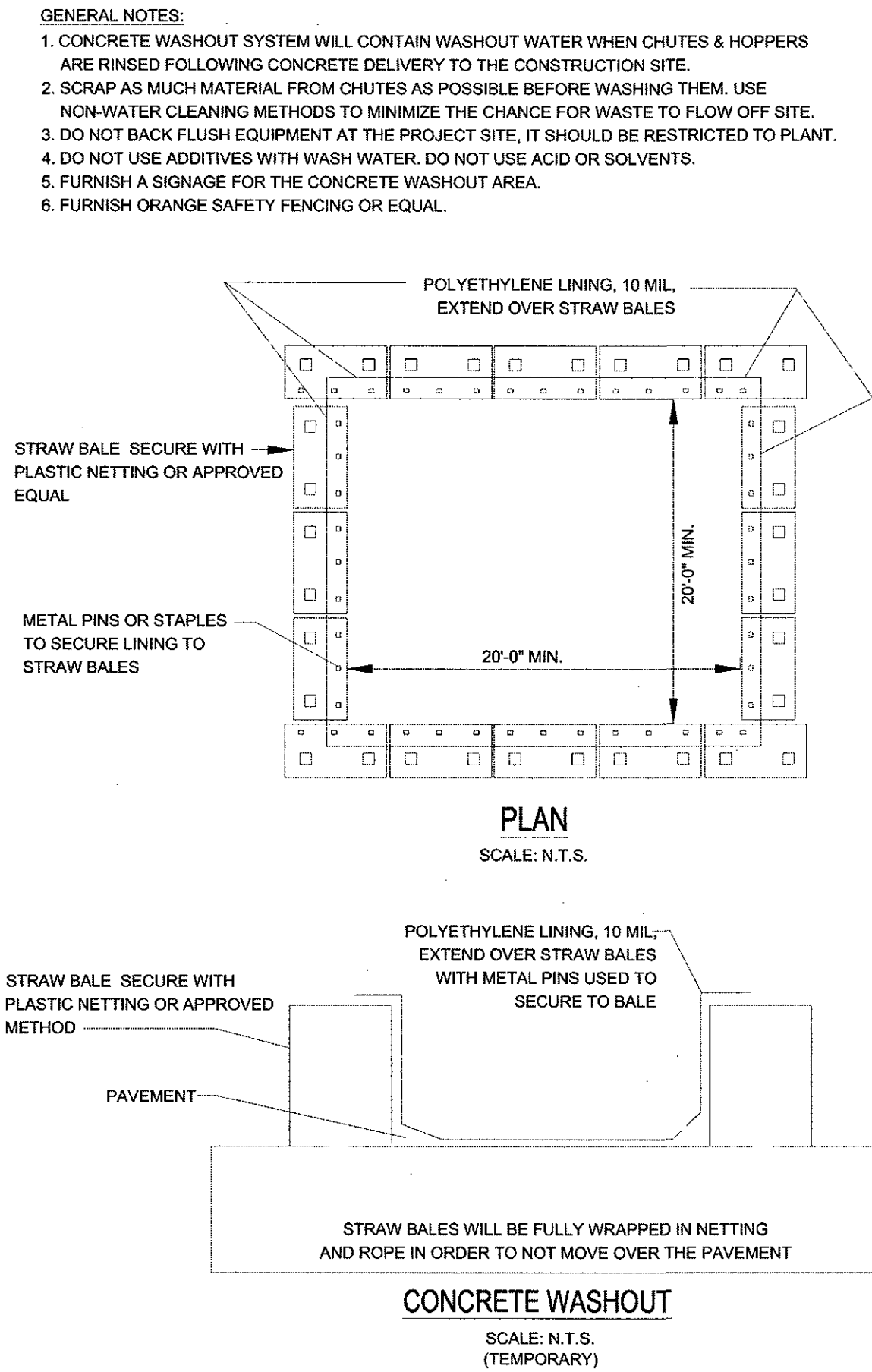


TABLE 3.35-A		
ORGANIC MULCH MATERIALS AND APPLICATION RATES		
MULCHES:	RATES:	
	Per Acre	Per 1000 sq. ft.
Straw or Hay	1 1/2 - 2 tons (Minimum 2 tons for winter cover)	70 - 90 lbs.
Fiber Mulch	Minimum 1500 lbs.	35 lbs.
Corn Stalks	4 - 6 tons	185 - 275 lbs.
Wood Chips	4 - 6 tons	185 - 275 lbs.
Bark Chips or Shredded Bark	50 - 70 cu. yds.	1-2 cu. yds.
NOTES:		
Free from weeds and coarse matter. Must be anchored. Spread with mulch blower or by hand.		
Do not use as mulch for winter cover or during hot, dry periods.* Apply as slurry.		
Cut or shredded in 4-6" lengths. Air-dried. Do not use in fine turf areas. Apply with mulch blower or by hand.		
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.		
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.		

Source: Va. DSWC

TABLE 3.30-A		
CUBIC YARDS OF TOPSOIL REQUIRED FOR APPLICATION TO VARIOUS DEPTHS		
DEPTH (INCHES)	PER 1,000 SQUARE FEET	PER ACRE
1	3.1	134
2	6.2	268
3	9.3	403
4	12.4	537
5	15.5	672
6	18.6	806

TABLE 3.39-A			
ADHESIVES USED FOR DUST CONTROL			
Adhesive	Water Dilution (Adhesive: Water)	Type of Nozzle	Application Rate Gallons/Acre
Anionic Asphalt Emulsion	7:1	Coarse Spray	1,200
Latex Emulsion	12.5:1	Fine Spray	235
Resin in Water	4:1	Fine Spray	300
Acrylic Emulsion (Non-Traffic)	7:1	Coarse Spray	450
Acrylic Emulsion (Traffic)	3.5:1	Coarse Spray	350

Source: Va. DSWC

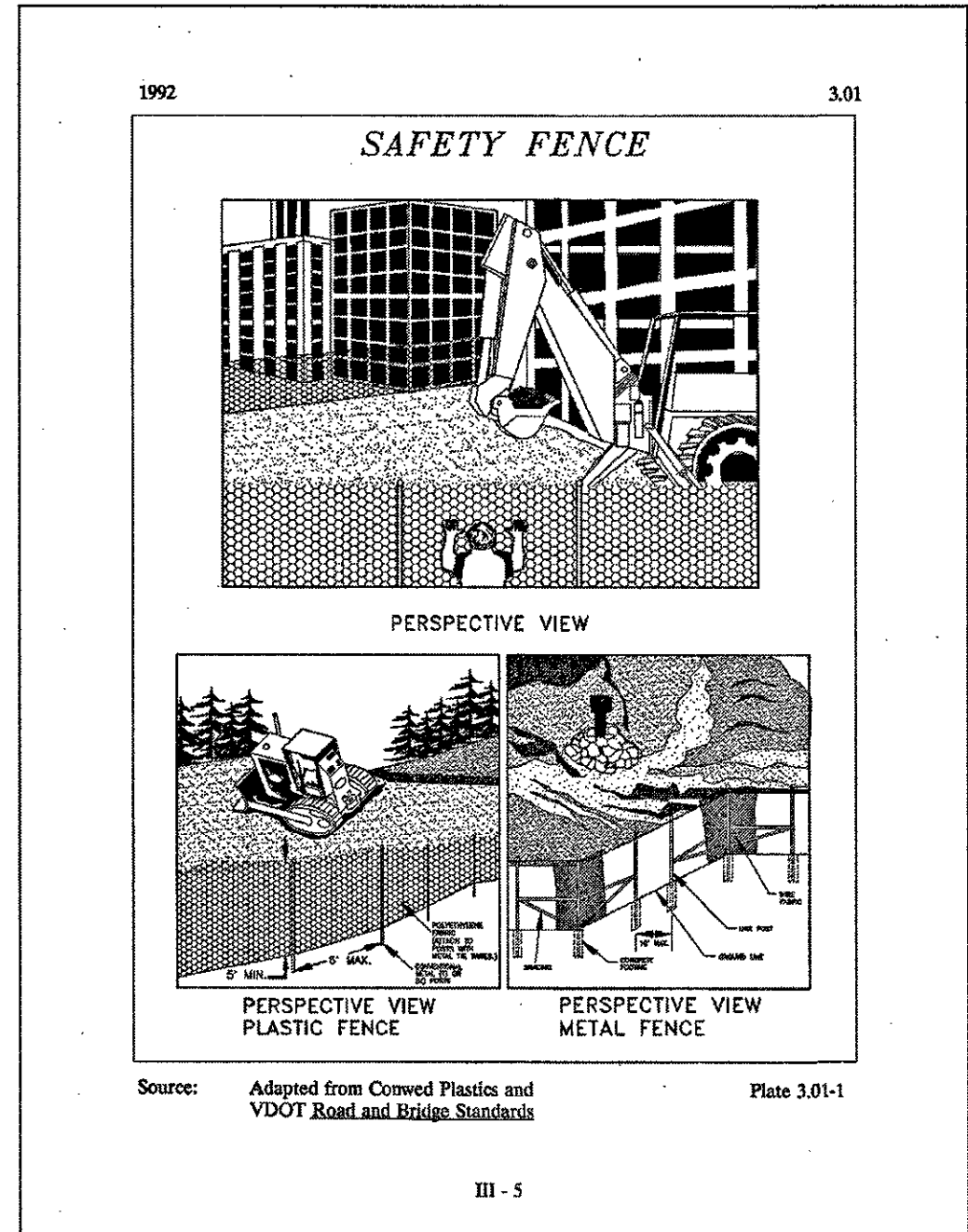
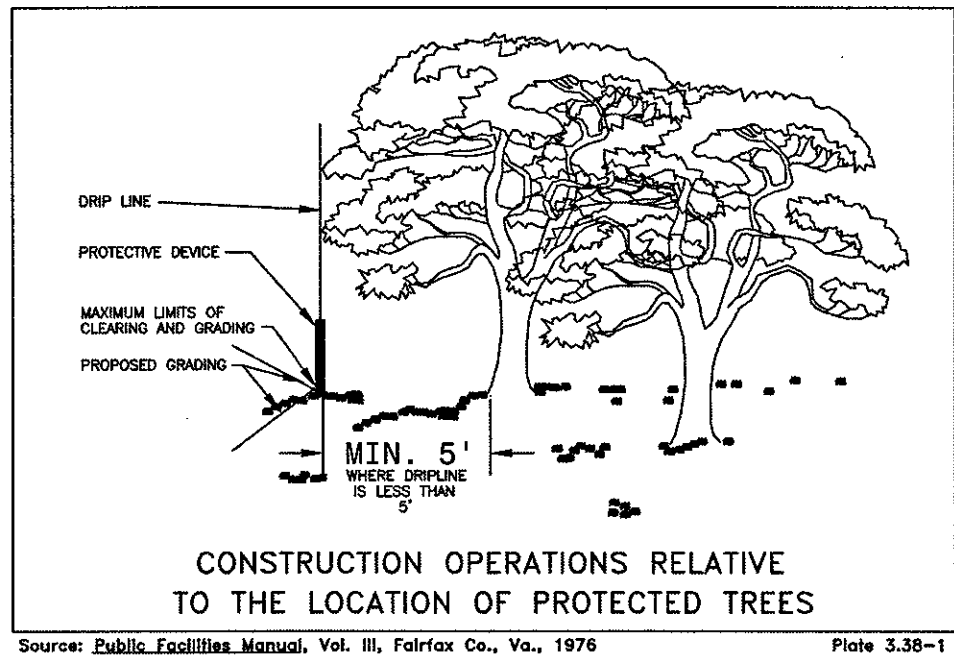
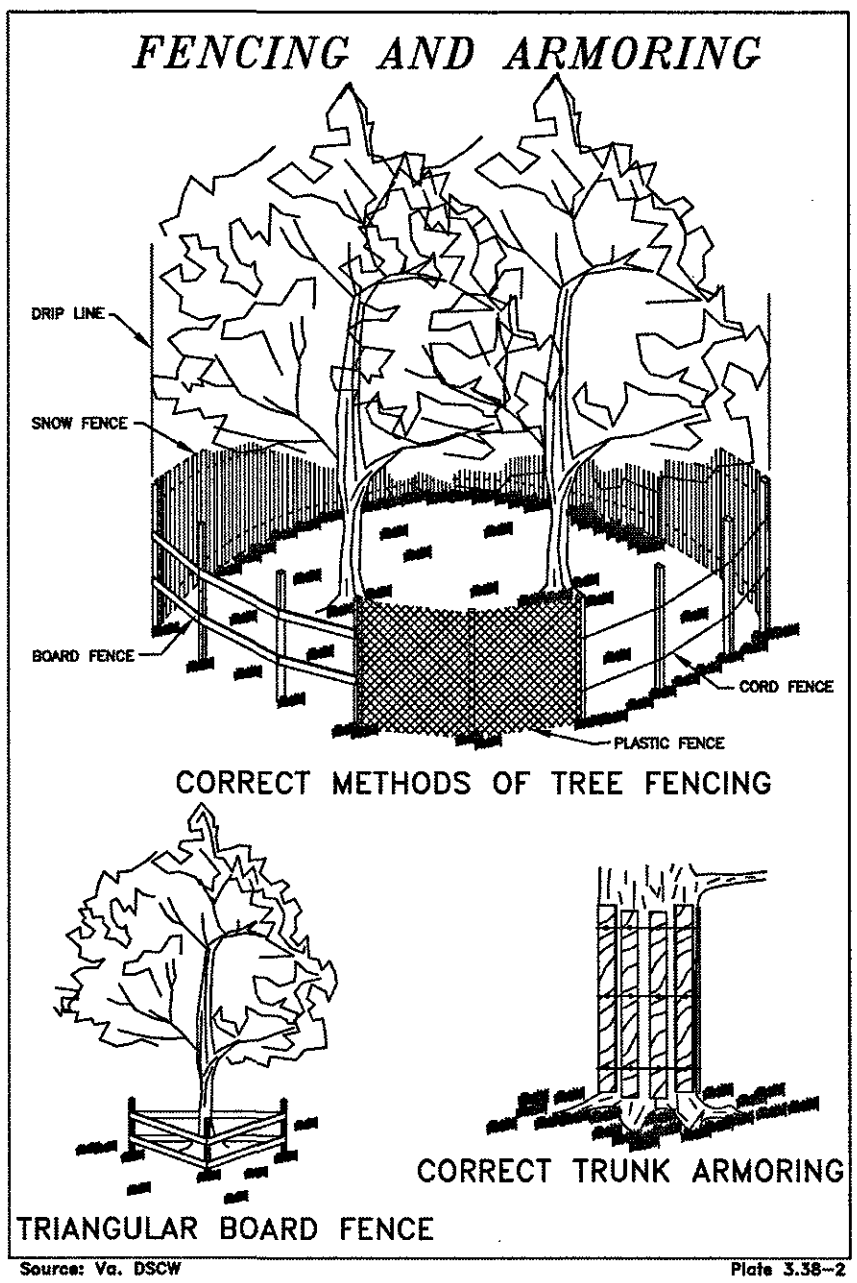


TABLE 3.01-A		
PHYSICAL PROPERTIES OF PLASTIC SAFETY FENCE		
Physical Property	Test	Requirements
Recommended color	N/A	"International" orange
Tensile yield	ASTM D638	Average 2000 lbs. per 4 ft. width
Ultimate tensile strength	ASTM D638	Average 2900 lbs. per 4 ft. width
Elongation at break(%)	ASTM D638	Greater than 1000%
Chemical resistance	N/A	Inert to most chemicals and acids

Source: Corvex Plastics

6. Metal or "chain-link" fence should be used when a potentially dangerous control measure will remain in place permanently, such as a stormwater detention or retention basin (see Plate 3.01-1). However, they may also be used for measures which will only serve a temporary function, at the discretion of those responsible for project safety. The metal fence must meet the following physical requirements:

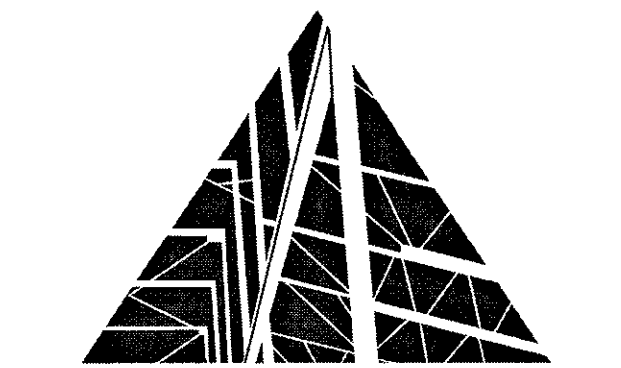
- a. Fabric shall be zinc-coated steel, 2-inch mesh, 9-gauge, minimum.
- b. Zinc coating shall have a minimum weight of 1.8 ounces per square foot.
- c. Posts shall be steel pipe, zinc-coated.
- d. Top nails shall be steel pipe, zinc-coated.
- e. Braces shall be made of zinc-coated steel.
- f. Gates shall be single or double swing, zinc-coated steel. They shall be a minimum of 12-feet wide.



KEY PLAN

GENERAL NOTES

 earth environmental and civil



10 CHURCH AVE SE, PLAZA SUITE 1 ROANOKE, VIRGINIA 24011 540.342.8001

1920 VALLEY VIEW BLVD NW

COMMERCIAL BUILDING UPGRADE

ROANOKE, VIRGINIA

STATE PROJECT NO. N/A

SPECTRUM DESIGN PROJECT NO.



DATE 3/29/2016  
DESIGN ARCHITECT  
PROJECT ARCHITECT  
PROJECT ENGINEER  
CHECKED BY BKS  
DRAWN BY JNL  
REVISIONS NUMBER DATE

SHEET TITLE

EROSION & SEDIMENT CONTROL DETAILS

C501