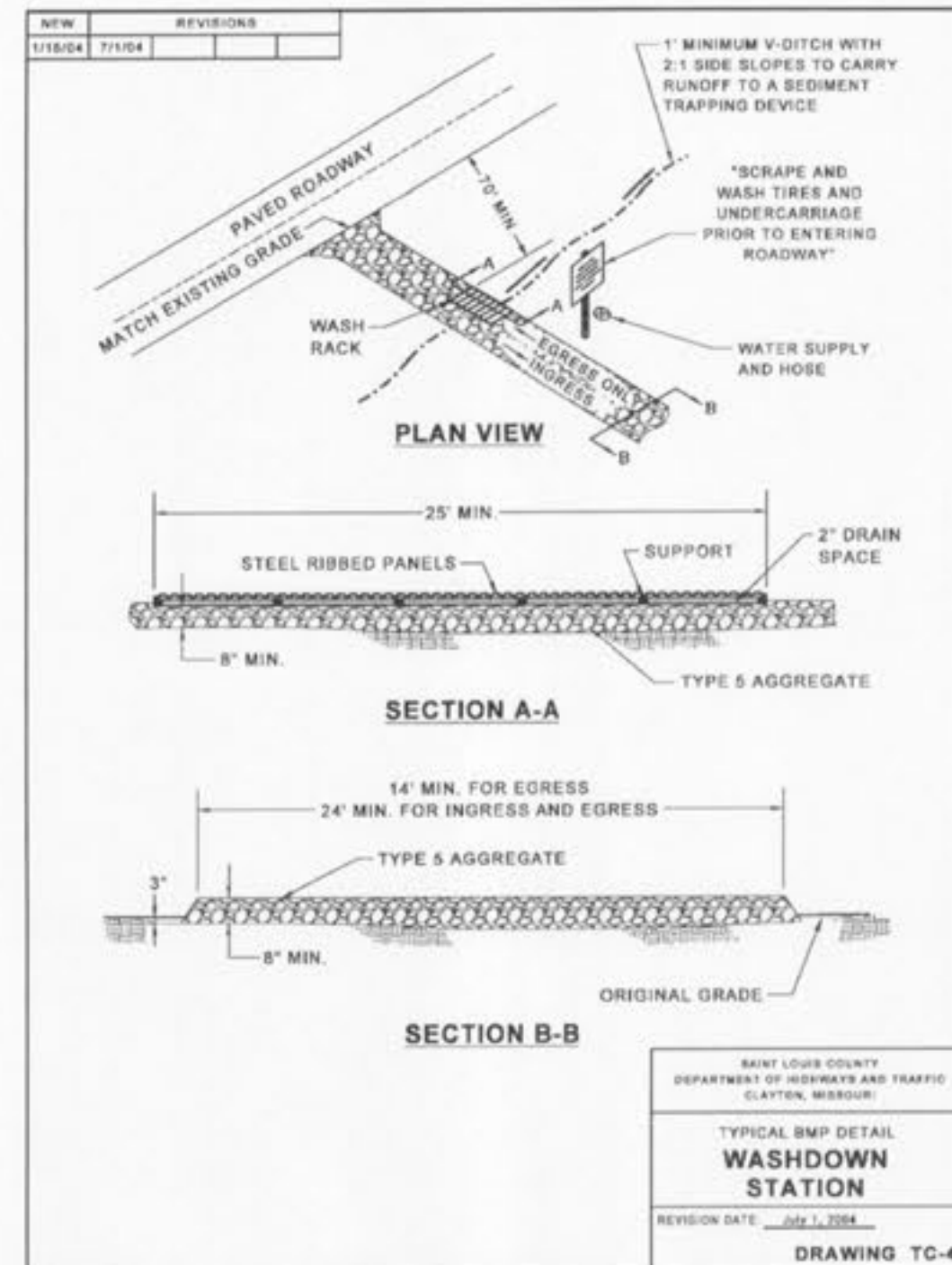
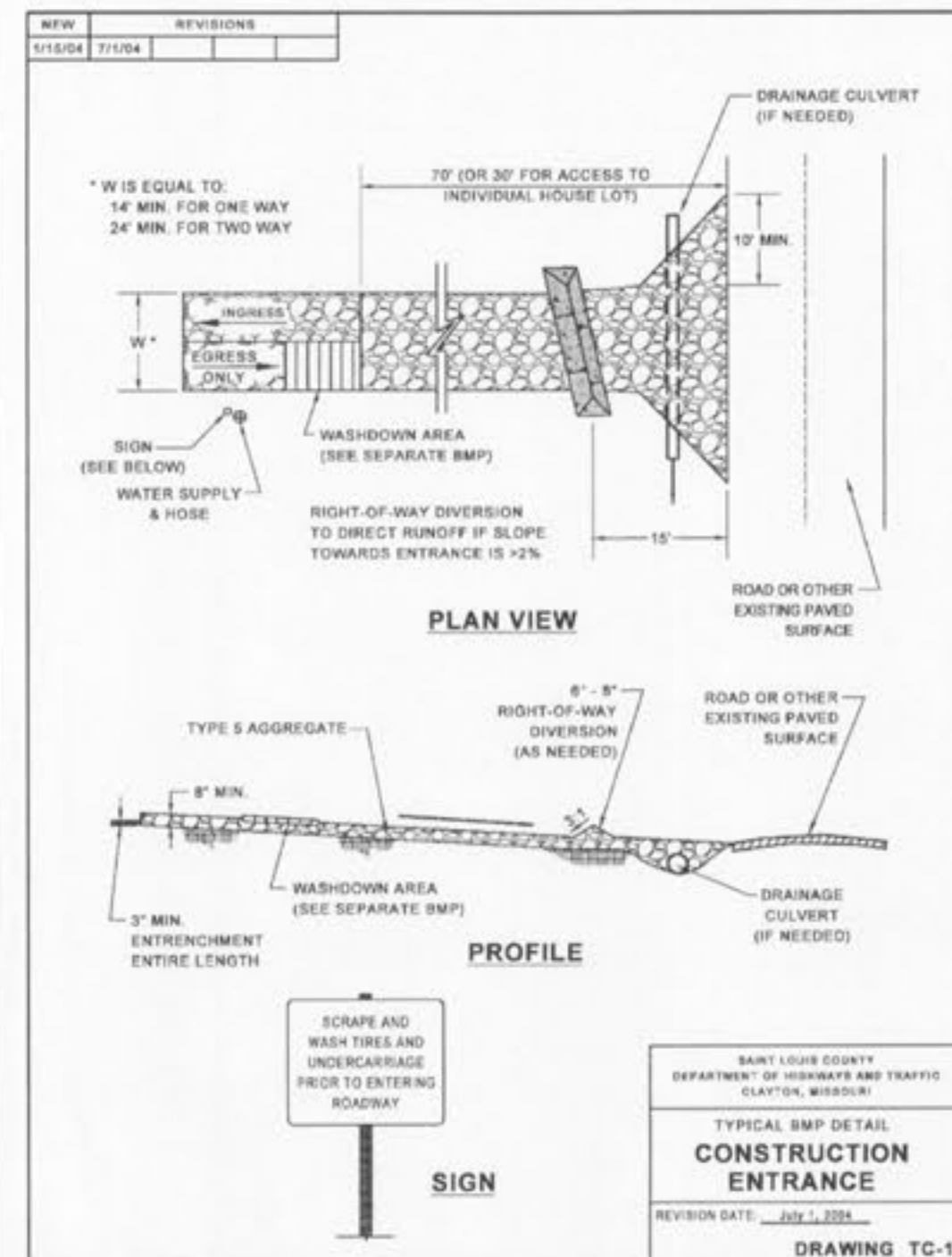
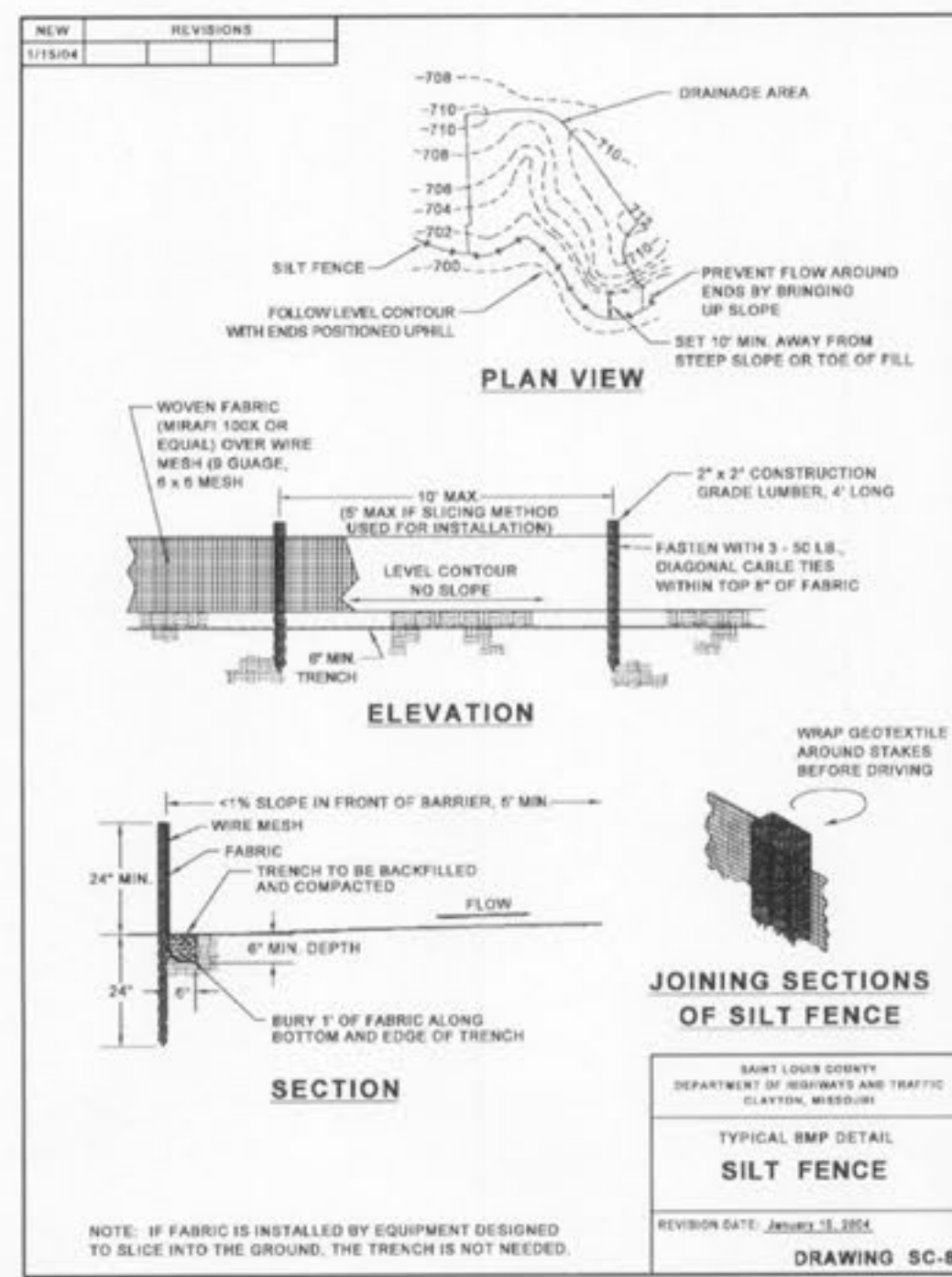


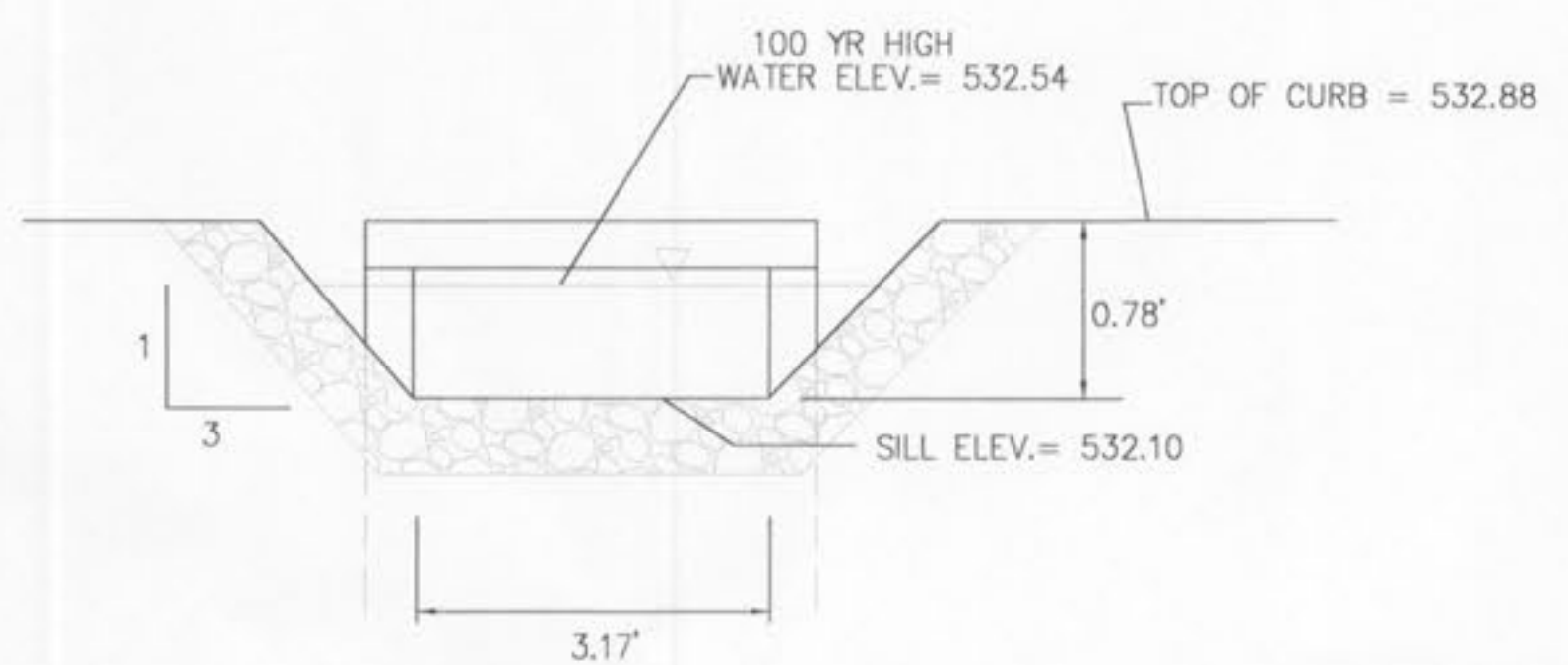


TRAPEZOIDAL CHANNEL ANALYSIS
NORMAL DEPTH COMPUTATION

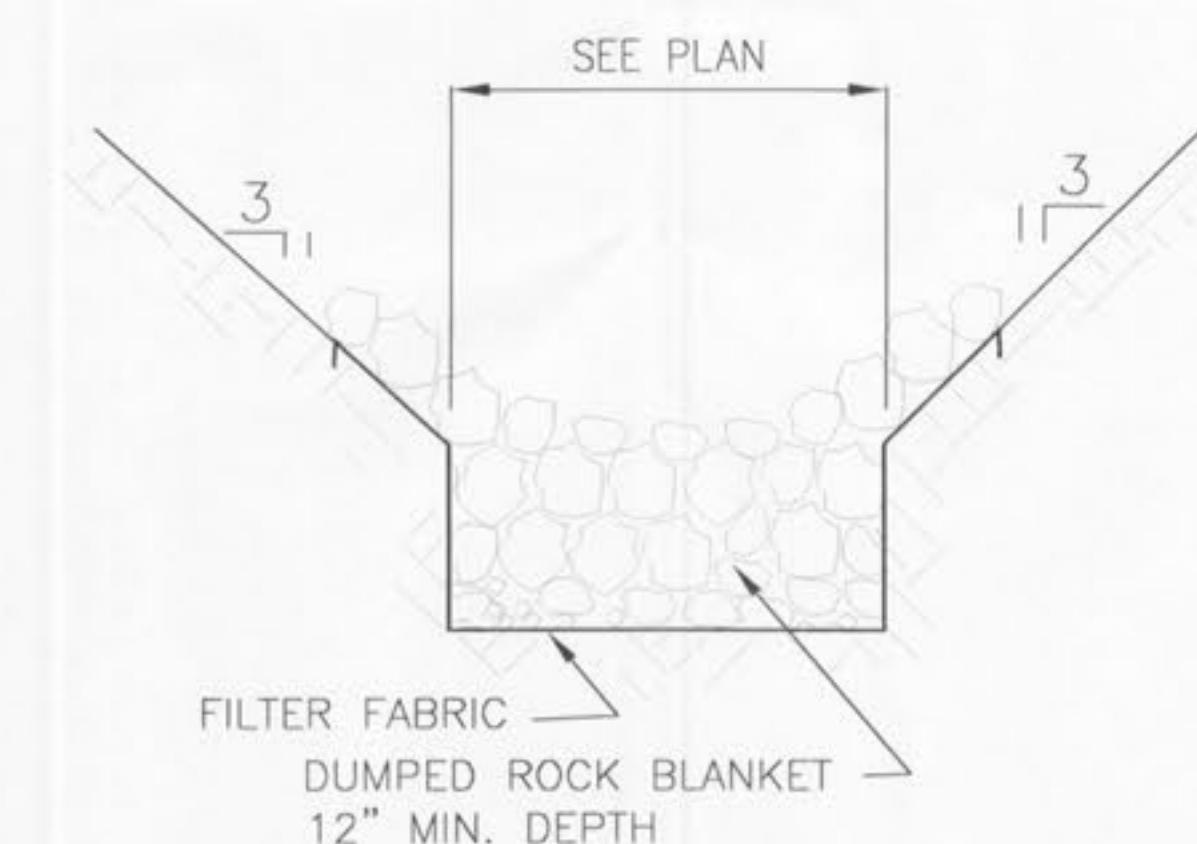
FEBRUARY 11, 2009

DESCRIPTION	PROGRAM INPUT DATA	VALUE
Flow Rate (cfs)		4.26
Channel Bottom Slope (ft/ft)		0.01
Manning's Roughness Coefficient (n-value)		0.033
Channel Left Side Slope (horizontal/vertical)		3.0
Channel Right Side Slope (horizontal/vertical)		3.0
Channel Bottom Width (ft)		3.17

DESCRIPTION	COMPUTATION RESULTS	VALUE
Normal Depth (ft)		0.44
Flow Velocity (fps)		2.16
Froude Number		0.654
Velocity Head (ft)		0.07
Energy Head (ft)		0.51
Cross-Sectional Area of Flow (sq ft)		1.97
Top Width of Flow (ft)		5.8



1 OVERFLOW DETAIL FOR EXISTING A.I. #80
SCALE: N.T.S. REF. DWG.



2 ROCK BLANKET DETAIL
SCALE: N.T.S. REF. DWG.

TYPICAL TEMPORARY DIVERSION SWALE
SWALE IS TO BE SEEDING.

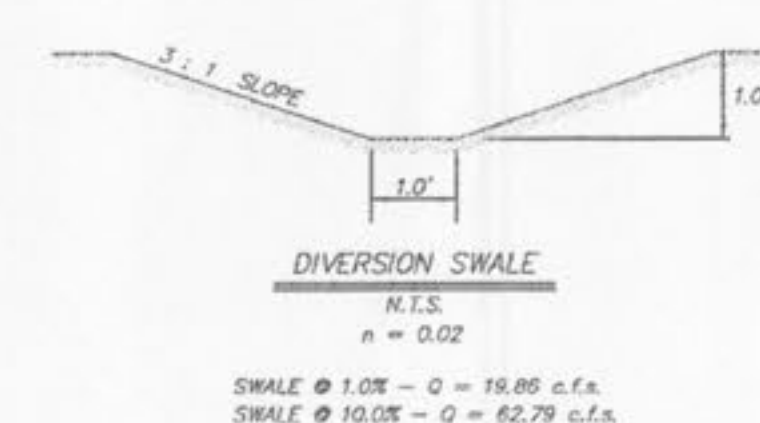
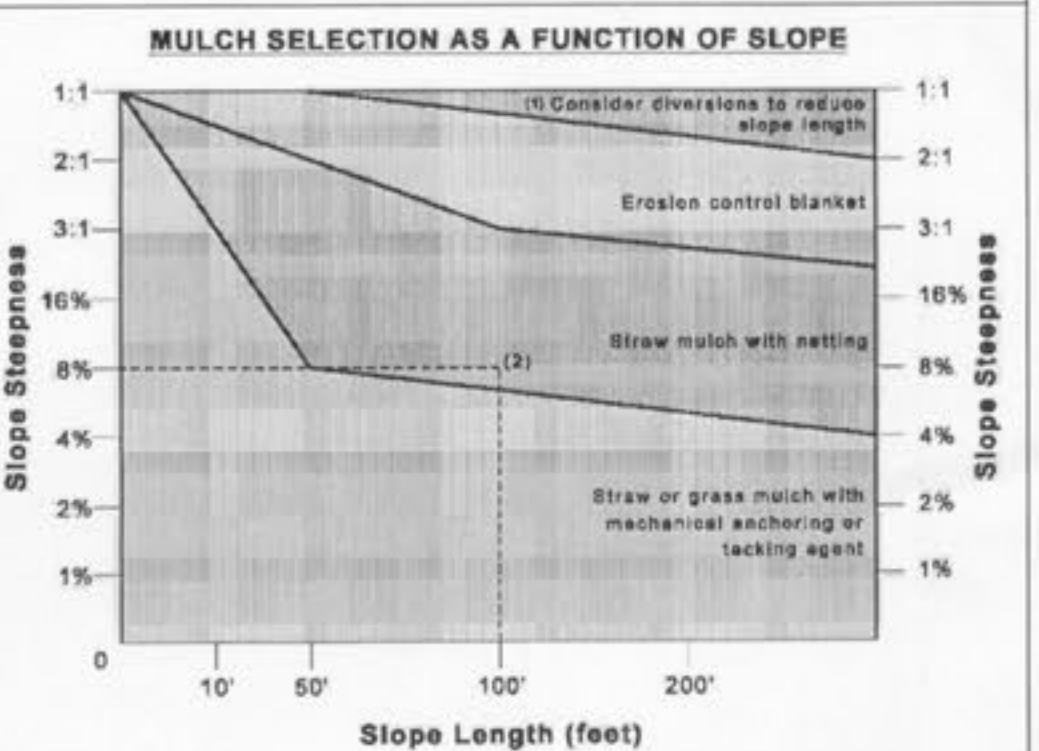


TABLE 3: MULCH SCHEDULE



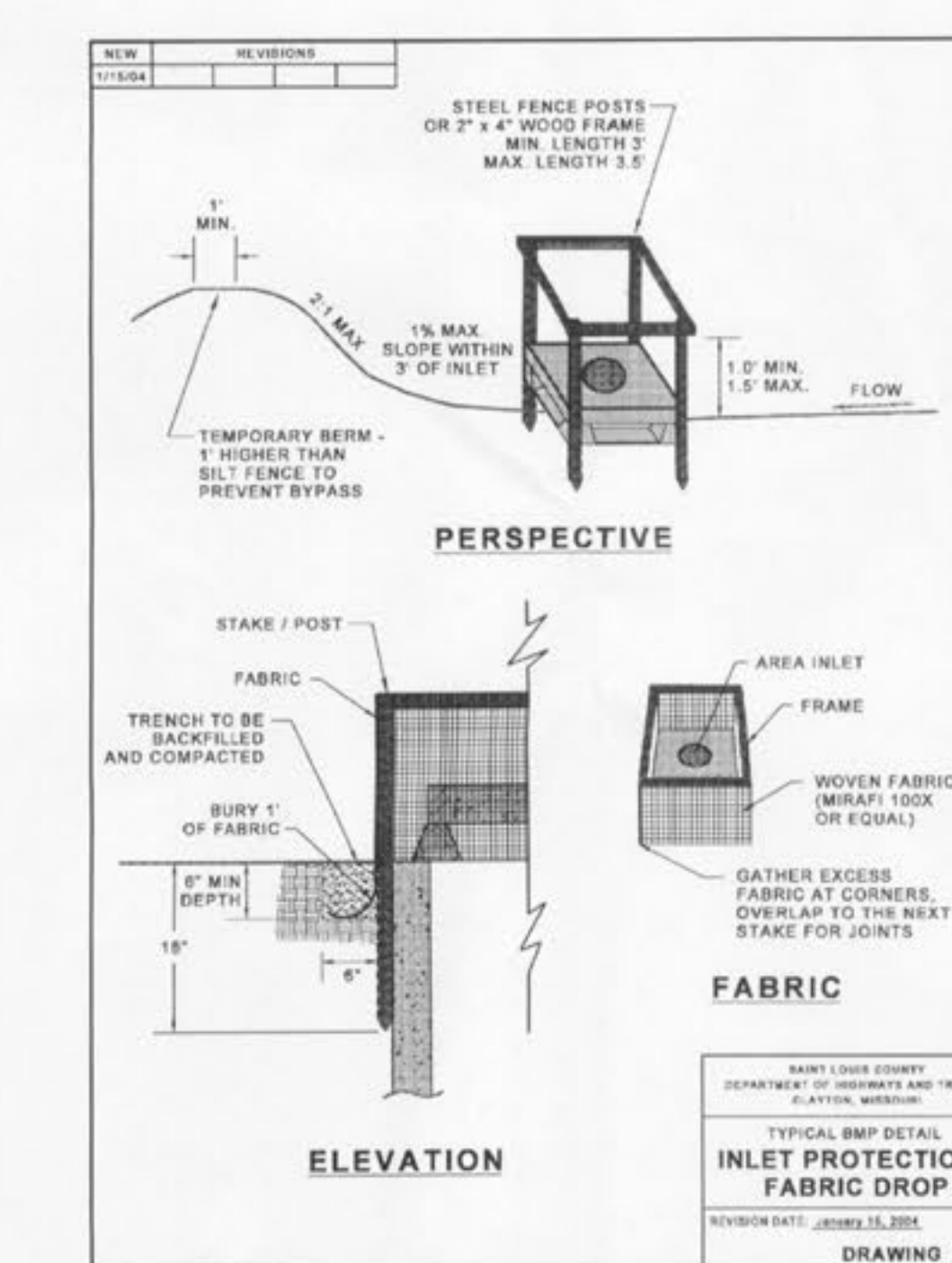
GENERAL MULCH RECOMMENDATIONS TO PROTECT FROM SPLASH AND SHEET FLOW

Material	Rate Per Acre	Requirements	Notes
Straw	2 to 2.5 tons	Dry, unbleached, weed-free	Spread by hand or machine; must be secured or tied down
Wood Chips or Wood Shavings	8.5 to 10 tons	5/8 to 1 inch	Use with hydro seed; may be used for back stops. Do not use in hot, dry weather.
Wood Chips	5 to 8 tons	1/2 to 3/4 inch	Apply with blower, chip spreader, or by hand. Not for fine-textured areas.
Grass	35 cu. yds.	1/2 to 3/4 inch	Apply with mulch spreader, chip spreader or by hand. Do not use asphalt test.

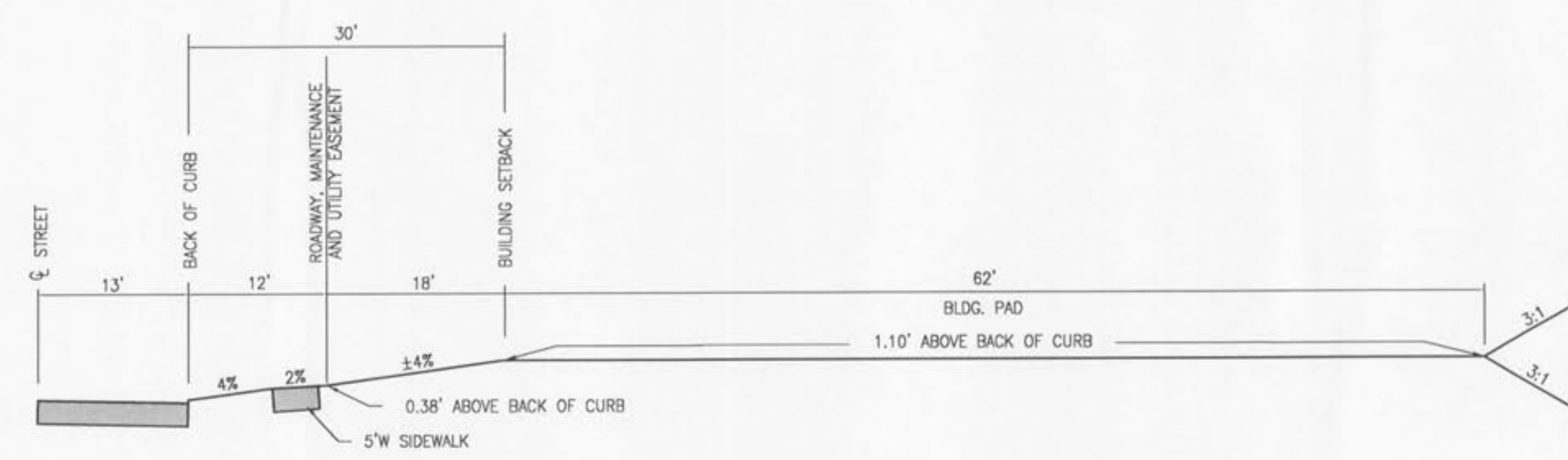
TABLE 2: VEGETATION/SEEDING RATES AND MIXTURES

Seeding Method	Dates for Seeding											
	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Permanent Seeding												
Temporary Seeding												

Seeding Method	Minimum Fertilizer and Seeding Rates	
	Pounds per acre	Pounds per 1000 sq. ft.
Permanent Seeding		
Temporary Seeding		



FABRIC INLET PROTECTION - FABRIC DROP
DRAWING SC-3



TYPICAL INDEPENDENT LIVING VILLAS GRADING TEMPLATE
(FINISHED FLOOR SET AT 2.0' ABOVE BACK OF CURB)