
























QUANTITIES SHOWN ARE APPROXIMATIONS MADE BY ENGINEER
ACCORDING TO THIS PLAN AND SHALL ASSIST IN BOND ESTIMATES
ONLY. ADDITIONAL MATERIALS AND/OR QUANTITIES MAY BE REQUIRED
FOR COMPLETION OF THE PROJECT.

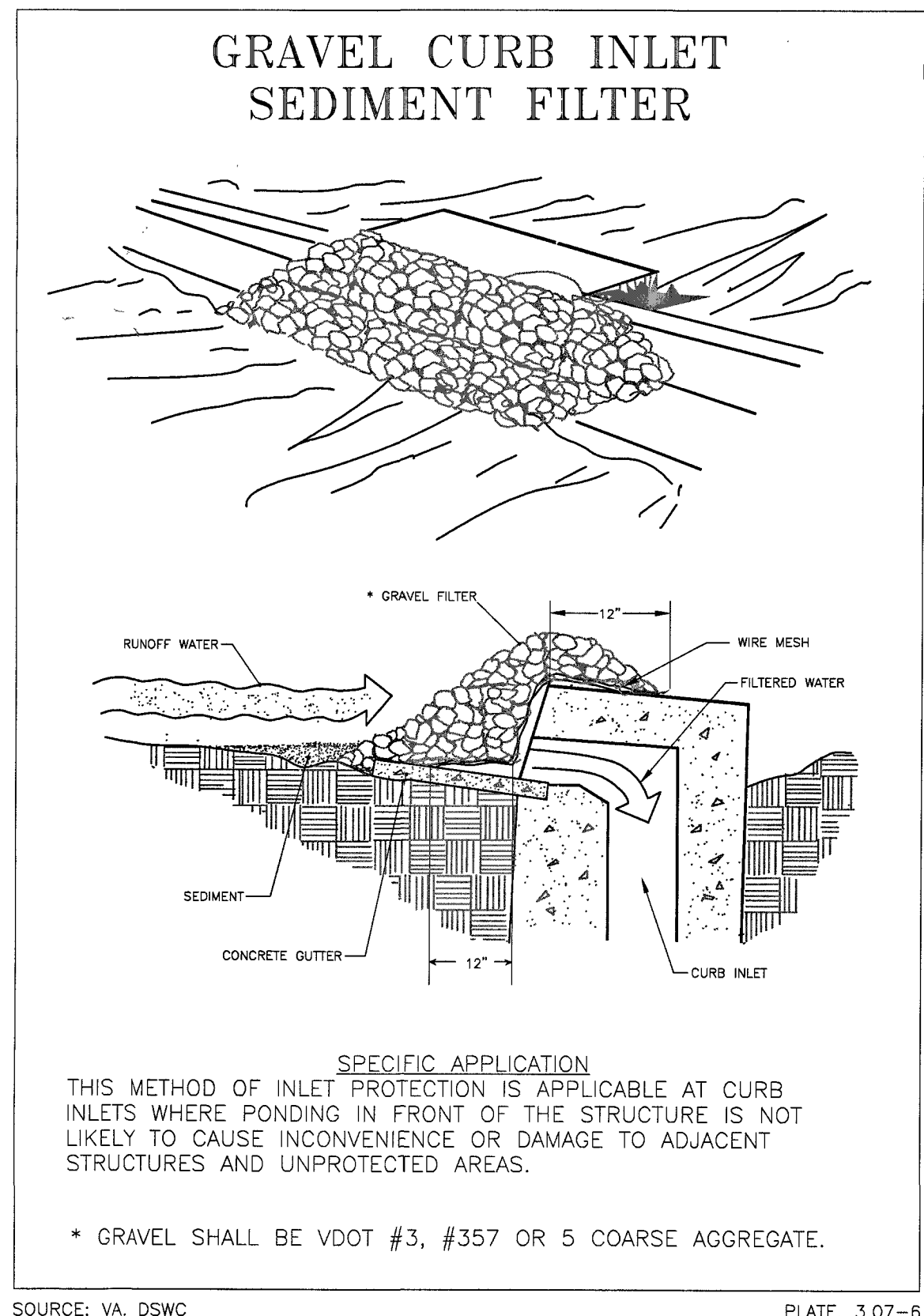
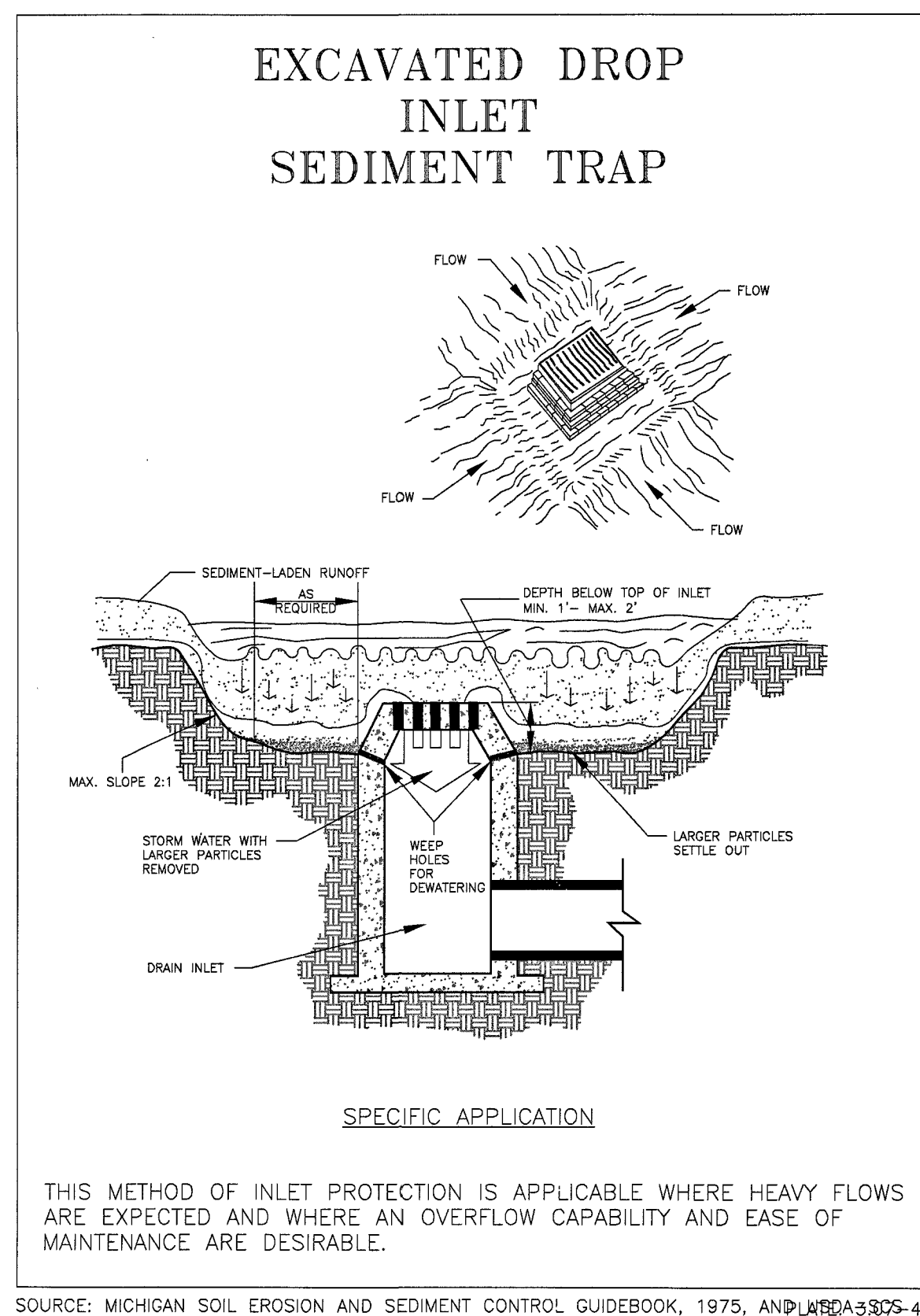
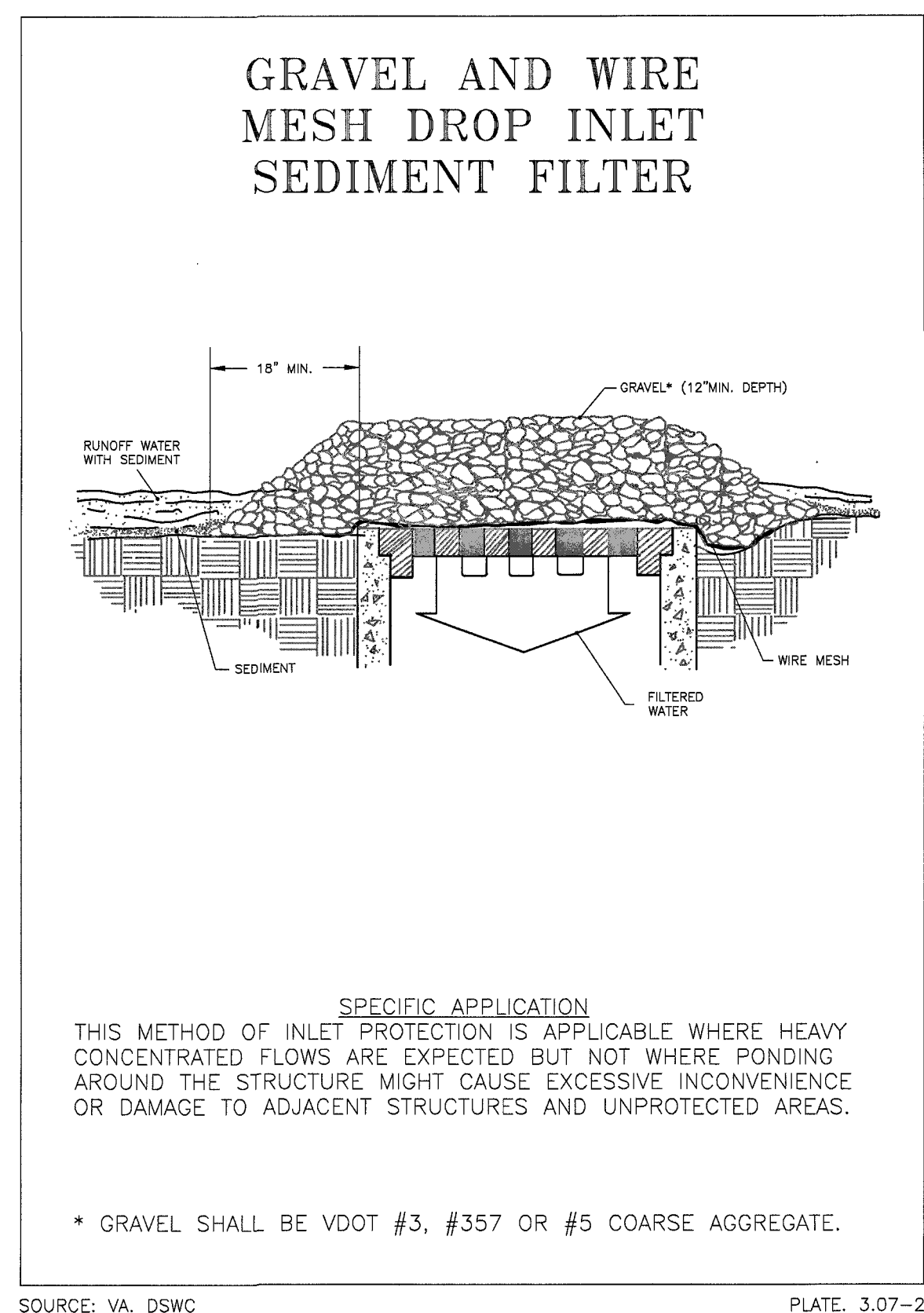
PROPOSED STRUCTURE SCHEDULE	
STRUCTURE	DESCRIPTION
1	7 L.F. 18-in RCP CL III @ 6.29%, INVin=181.69, INVout=181.25
2	98.42 L.F. 36-in RCP CL III @ 1%, INVin=181.19, INVout=180.21
3	114.02 L.F. 36-in RCP CL III @ 1%, INVin=180.00, INVout=178.86
4	70.56 L.F. 36-in RCP CL III @ 1.01%, INVin=178.50, INVout=177.79
5	283.45 L.F. 36-in RCP CL IV @ 1%, INVin=177.50, INVout=174.67
6	122.43 L.F. 36-in RCP CL IV @ 1%, INVin=174.50, INVout=173.28
7	72 L.F. 36-in RCP CL IV @ 4.17%, INVin=173.00, INVout=170.00
8	22.36 L.F. 18-in RCP CL III @ 2.24%, INVin=184.00, INVout=183.50
9	22.36 L.F. 18-in RCP CL III @ 3.35%, INVin=185.00, INVout=184.25
10	47.2 L.F. 18-in RCP CL III @ 4.24%, INVin=186.00, INVout=184.00
11	68.15 L.F. 18-in RCP CL III @ 1.03%, INVin=186.00, INVout=185.30
12	110.79 L.F. 24-in RCP CL III @ 0.99%, INVin=186.00, INVout=184.90
13	158.02 L.F. 18-in RCP CL III @ 1.63%, INVin=189.38, INVout=186.81
14	187.18 L.F. 18-in RCP CL III @ 1.5%, INVin=192.44, INVout=189.63
15	188.39 L.F. 18-in RCP CL III @ 1.5%, INVin=195.50, INVout=192.67
16	61.29 L.F. 24-in RCP CL III @ 0.7%, INVin=186.48, INVout=186.05
17	155.79 L.F. 24-in RCP CL III @ 0.7%, INVin=187.82, INVout=186.73
18	86.68 L.F. 24-in RCP CL III @ 0.66%, INVin=188.59, INVout=188.02
19	44 L.F. 18-in RCP CL III @ 0.5%, INVin=189.06, INVout=188.84
20	128.59 L.F. 24-in RCP CL III @ 0.7%, INVin=183.43, INVout=182.53
21	166.98 L.F. 42-in RCP CL IV @ 13.77%, INVin=166.00, INVout=143.00

PROPOSED STRUCTURE SCHEDULE	
STRUCTURE	DESCRIPTION
	48" MH, RIM=186.36, INVout=181.69(18")
	60" MH, RIM=187.61, INVIn=182.94(15"), INVIn=181.69(30"), INVIn=181.25(18"), INVout=181.19(36")
	60" MH, RIM=190.00, INVIn=180.21(36"), INVIn=183.50(18"), INVIn=184.00(18"), INVout=180.00(36")
	48" MH, RIM=190.80, INVIn=178.86(36"), INVIn=184.90(24"), INVout=178.50(36")
	48" MH, RIM=192.20, INVIn=177.79(36"), INVIn=185.30(18"), INVout=177.50(36")
	48" MH, RIM=192.00, INVIn=174.67(36"), INVout=174.50(36")
	60" MH, RIM=192.00, INVIn=173.28(36"), INVIn=182.53(24"), INVout=173.00(36")
	36" RCP FES, INV=170.00
	48" MH, RIM=189.00, INVIn=184.25(18"), INVout=184.00(18")
	48" MH, RIM=190.50, INVout=185.00(18")
	48" MH, RIM=192.00, INVout=186.00(18")
	48" MH, RIM=192.00, INVout=186.00(18")
	60" MH, RIM=192.00, INVIn=186.81(18"), INVIn=186.05(24"), INVout=186.00(24")
	48" MH, RIM=194.80, INVIn=189.63(18"), INVout=189.38(18")
	48" MH, RIM=192.44, INVIn=192.67(18"), INVout=192.44(18")
	48" MH, RIM=200.25, INVout=195.50(18")
	48" MH, RIM=193.20, INVIn=186.73(24"), INVout=186.48(24")
	48" MH, RIM=195.00, INVIn=188.02(24"), INVout=187.82(24")
	48" MH, RIM=195.00, INVIn=188.84(18"), INVout=188.59(24")
	48" MH, RIM=195.00, INVIn=189.31(18" PLUGGED), INVout=189.06(18")
	48" MH, RIM=192.00, INVIn=183.68(24" PLUGGED), INVout=183.43(24")
	72" DIA CMP STANDPIPE, TOP=180.10, INVout=166.00 (42"), SEE DETAIL FOR OTHER OPENINGS
	42" RCP FES, INV=143.00

1. CONTOURS ARE PROPOSED FINISH GRADE OF THE PAVEMENT, CURB, AND BUILDINGS. CONTRACTOR MUST ADJUST TO SMOOTH AND PROVIDE THE SURFACE DESIRED BY THE OWNER. PAVEMENT AND BUILDING AREAS TO BE GRADED TO 12' BELOW THE CONTOURS SHOWN.
2. STORM STRUCTURES TO BE BUILT TO ACCOMMODATE FINAL RIM ADJUSTMENT TO THE GRADES SHOWN. THIS MAY REQUIRE SPECIAL CONSTRUCTION BY THE CONTRACTOR FOR THE CONDITION THE SITE IS LEFT IN AFTER THE PROPOSED GRADING IS COMPLETE
3. ALL CONSTRUCTION TO BE IN ACCORDANCE WITH VDOT STANDARDS AND SPECIFICATIONS.
4. CONTRACTOR TO VERIFY THE PIPE CLASS / STRENGTH PRIOR TO INSTALLATION.
5. CONTRACTOR IS NOTIFIED THAT ALTERNATE MATERIALS TO THOSE SHOWN MAY BE ACCEPTABLE.
6. CONTEC DUROMAXX PIPE MAY BE COST EFFECTIVE FOR REPLACING THE DEEP STORM SEWER. CONTRACTOR TO VERIFY AVAILABILITY AND COST AT THE TIME OF CONSTRUCTION.

1. ALL LABELED PIPE LENGTHS ARE HORIZONTAL DISTANCE BETWEEN CENTER OF STRUCTURES OR END OF PIPE.
2. LABELED SLOPES ARE CALCULATED FROM LABELED PIPE LENGTHS.

THERE ARE NO PAVEMENT IMPROVEMENTS AS A PART OF THIS PROJECT. ADJOINING PAVEMENT WORK IS PER PLANS BY HSM AND APPROVED BY VDOT.



EROSION AND SEDIMENT CONTROL QUANTITIES	
1	EA CONSTRUCTION ENTRANCE
3727	LF SILT FENCE
1272	LF DIVERSION DIKES
7461	SY MATTING
21	EA INLET PROTECTION
1	EA OUTLET PROTECTION
3	EA SEDIMENT TRAP
1	EA SEDIMENT BASIN
18.0	AC PERMANENT SEEDING
97.000	CY EARTH MOVEMENT

[illegible]