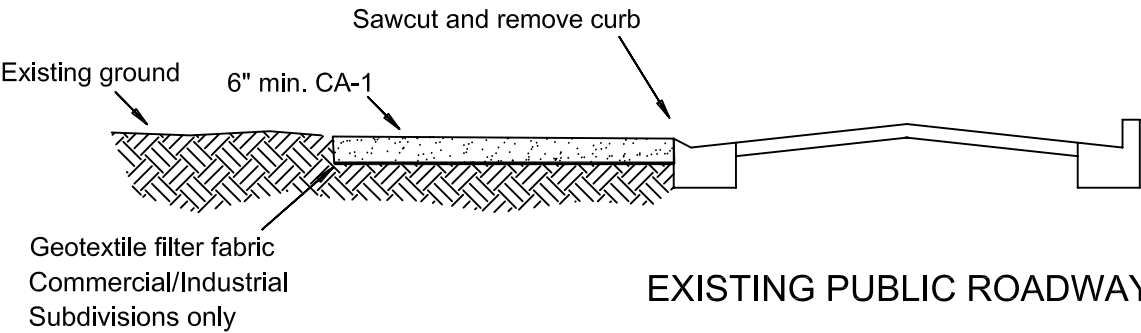
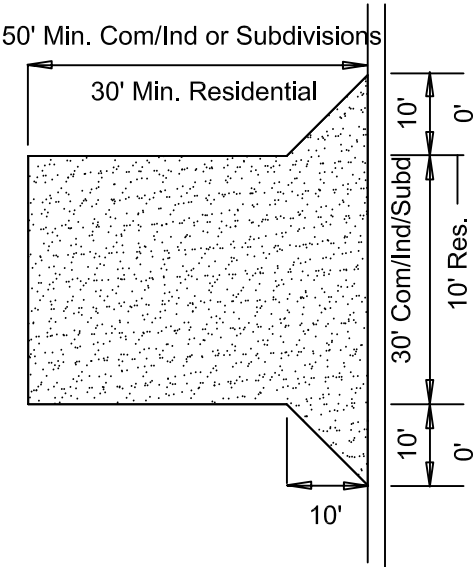




PROFILE



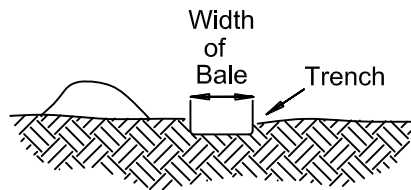
PLAN VIEW

STABILIZED CONSTRUCTION ENTRANCE

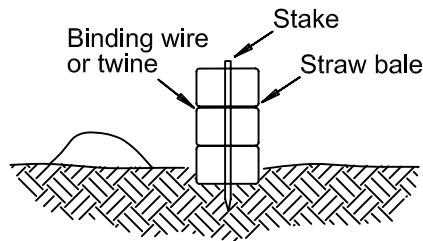
CONSTRUCTION NOTES

1. Construction entrances shall be installed prior to the start of any construction.
2. Construction entrances shall be located where shown on the plan.
3. Existing curb shall be saw cut and removed.
4. Geotextile filter fabric shall be places over the entire area prior to the placement of the stone. (Com./Ind. or subdivisions only)
5. Surface water shall not be allowed to flow along the construction entrance and out onto the public roadway.
6. Construction entrances shall not block any R.O.W. drainage. A pipe, adequately sized to convey the flow, shall be installed under the entrance.
7. Construction entrances shall be maintained in a condition which will prevent tracking of mud onto the public roadway. Periodic top dressing with additional stone may be required as conditions deteriorate.

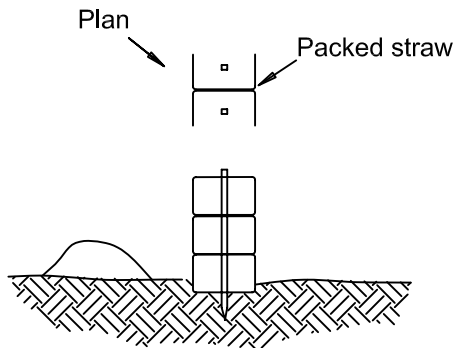
REVISIONS		VILLAGE OF ADDISON
8/03		APPROVED: 2/2/94
		
		R. ESPEDIDO, P.E., VILLAGE ENGINEER



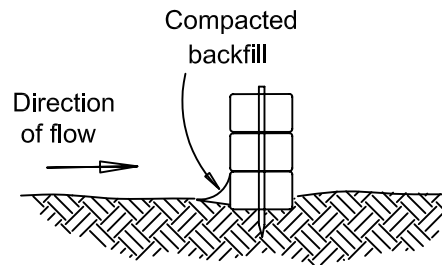
1. Excavate a trench 4" deep and the width of a straw bale.



2. Place and stake straw bales, two stakes per bale. Use 1/2" x 4' long reinforcing bars, or 2"x2" hardwood stakes, driven 2' into the ground.



3. Wedge loose straw between bales to create a continuous barrier.



4. Backfill and compact the excavated soil as shown on the uphill side of the barrier to prevent piping.

CONSTRUCTION NOTES

1. Straw bales shall be placed in an excavated trench a minimum of 4" deep, and the width of a straw bale.
2. Straw bales shall be installed so that the bindings are orientated around the sides of the bale, rather than along the top and bottom of the bale. This will prevent early deterioration of the bindings.
3. Straw bales shall be placed in a row, with ends tightly butting against the adjacent bale so as not to leave any gaps.
4. Straw bales shall be securely anchored in place by two stakes driven through the bales. The first stake in each bale shall be driven toward the previously laid bale at an angle to force the bales together.
5. Straw bales shall be frequently inspected by the contractor, and promptly repaired or replaced as needed. If after repeated failure of the contractor to properly control erosion and/or siltation, the Village reserves the right to effect necessary corrective measures and charge any costs to the contractor.
6. Straw bales shall be removed when they have served their usefulness so as not to block or impede storm flow or drainage.

STRAW BALE INSTALLATION

REVISIONS		VILLAGE OF ADDISON
8/03		APPROVED: 2/2/94
		
		R. ESPEDIDO, P.E., VILLAGE ENGINEER

CONSTRUCTION NOTES

- 1. Silt fence shall be installed prior to the start of any construction.
- 2. When two sections of filter fabric are to be joined together, they shall be overlapped by a minimum of six inches, folded, and securely fastened to a common post.
- 3. When two sections of a prefabricated unit are to be joined together, place the end post of one section inside the end post of the other section, and rotate both posts to create a tight seal with the fabric material. Drive both posts into the ground.
- 4. Ten feet maximum spacing between posts with wire mesh, six feet without wire mesh, eight feet for prefabricated units.
- 5. Silt fence shall be used to control sheet flows only. Do not use for concentrated flows. The maximum drainage area for sheet flow shall not exceed 1/2 acre or 150' of uncontrolled slope length.
- 6. When silt fence is installed along property lines or at the base of slopes, it shall be installed parallel to the contour lines with the ends flared uphill to provided ponding.

MAINTENANCE NOTES:

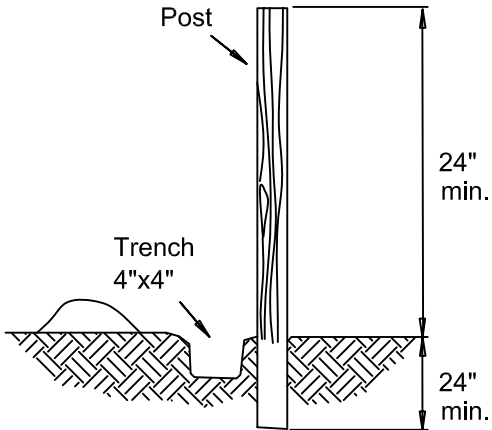
- 1. Silt fence shall be inspected immediately after each rainfall and at least daily during prolonged rainfall. Any required repairs shall be made immediately.
- 2. Should the fabric decompose or become ineffective prior to the end of the expected usable life and the barrier still be necessary, the fabric shall be replaced promptly.
- 3. Sediment deposits should be removed after each storm event. They must be removed when deposits reach approximately half the height of the barrier, or when bulges develop in the fabric.
- 4. Any sediment deposits remaining in place after the silt fence is no longer required shall be dressed to conform with the existing grade, prepared, seeded, and mulched.

SPECIFICATIONS:

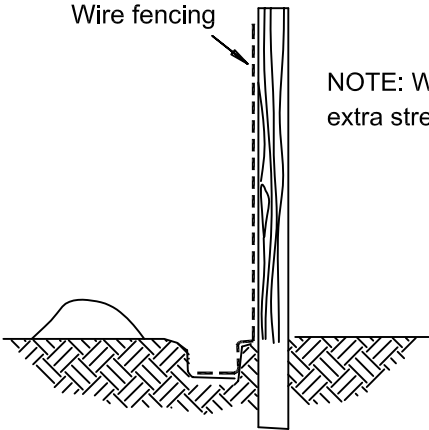
- 1. Fence posts: 2"x2" hardwood
- 2. Wire mesh: 14-1/2 ga., 6" max. mesh opening
- 3. Filter fabric: Filter X, MIRAFL 100x, STABILINKA T 140 N, or approved equal.
- 4. Prefabricated unit: Geofab, Envirofence, or approved equal.

SILT FENCE INSTALLATION
GENERAL NOTES

REVISIONS		VILLAGE OF ADDISON
		APPROVED: 2/2/94
		
		R. ESPEDIDO, P.E., VILLAGE ENGINEER

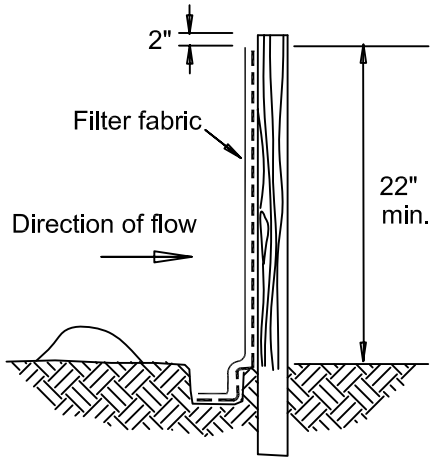


1. Set posts and excavate a 4"x4" trench upslope along the line of the posts.

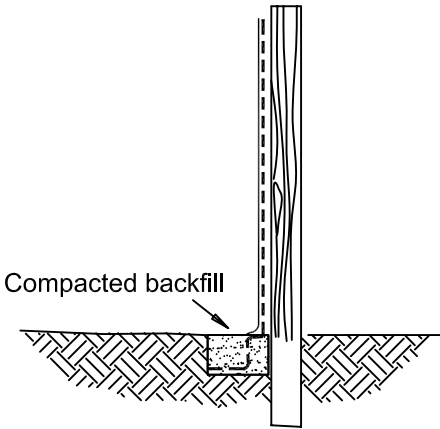


NOTE: Wire mesh not required when extra strength filter fabric is used.

2. Staple the wire mesh fencing to each post.



3. Attach the filter fabric securely to the fence posts and extend it a minimum of 8" into the trench.

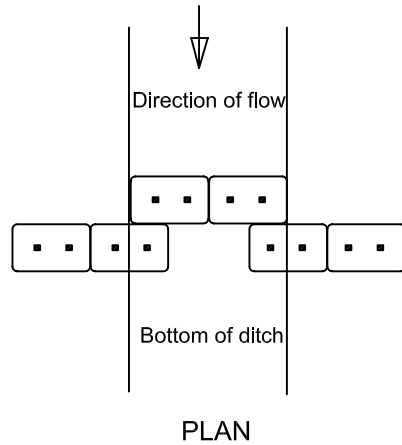


4. Backfill the trench and compact the excavated soil.

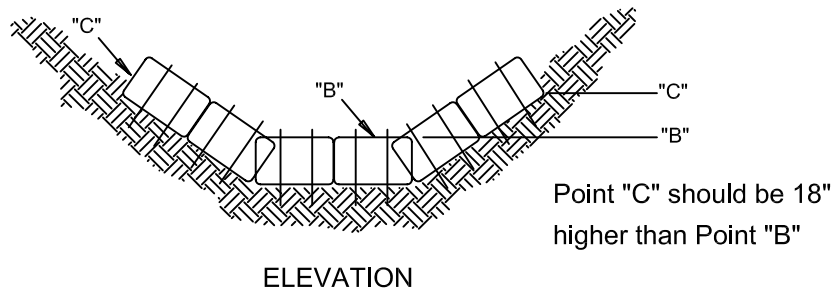
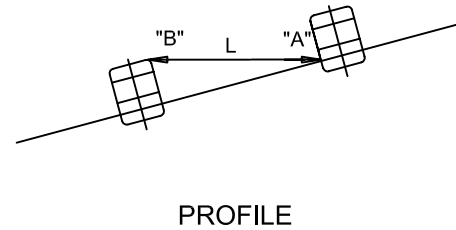
SILT FENCE INSTALLATION

(Page 1 of 2, See Silt Fence Installation General Notes)

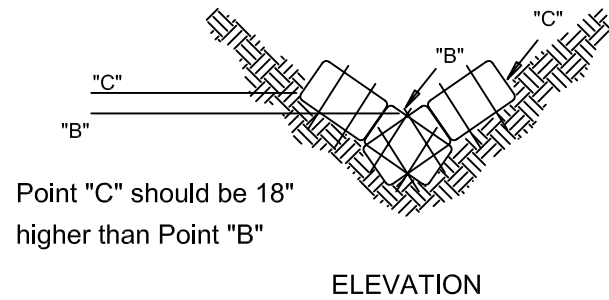
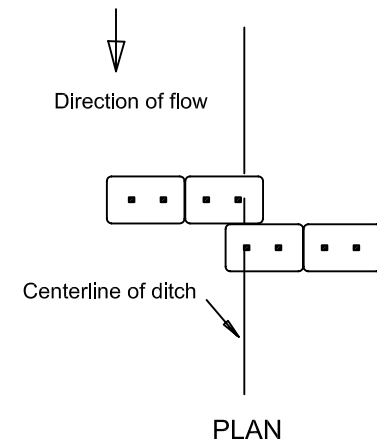
REVISIONS		VILLAGE OF ADDISON
8/03		APPROVED: 2/2/94
		
		R. ESPEDIDO, P.E., VILLAGE ENGINEER



L = The maximum distance such that
"A" and "B" are of equal elevation.



WIDE DITCH

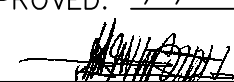


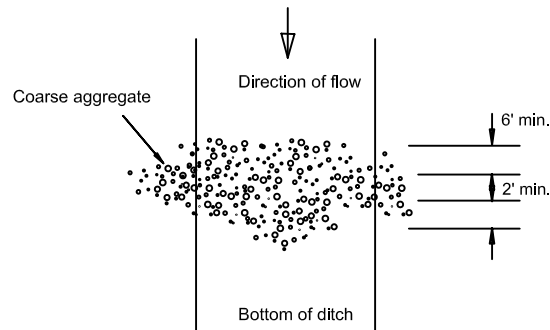
NARROW DITCH

CONSTRUCTION NOTES

1. Use in existing, proposed and temporary ditches of all types.
2. This device is only to be used to control velocity. It is not intended to trap sediment.
3. Overlap straw bales to prevent gaps.
4. Wedge loose straw between bales.
5. The number of straw bales will vary according to the slope and width of the ditch.

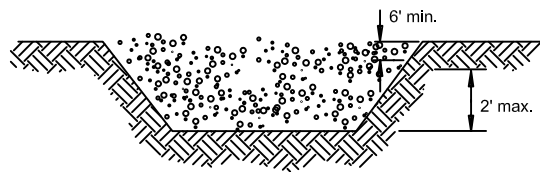
STRAW BALE CHECK DAM

REVISIONS		VILLAGE OF ADDISON
8/03		APPROVED: 2/2/94
		
		R. ESPEDIDO, P.E., VILLAGE ENGINEER



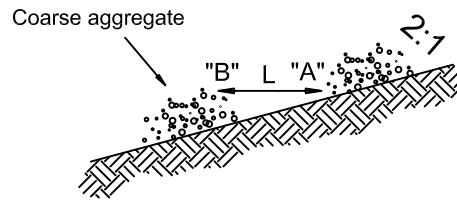
PLAN

Minimum size of aggregate to be IDOT Gradation CA-1



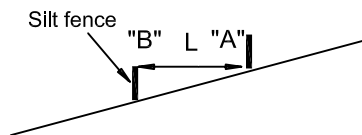
ELEVATION

AGGREGATE CHECK DAM



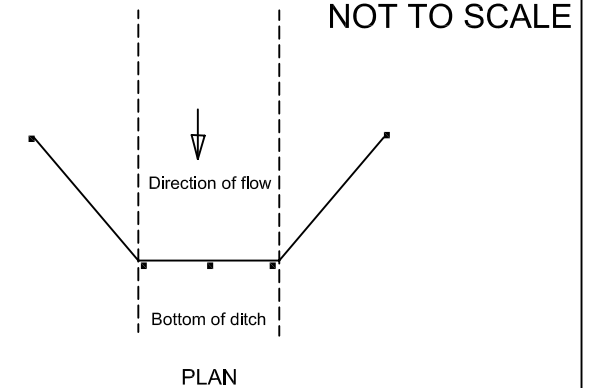
PROFILE

L = The maximum distance such that "A" and "B" are of equal elevation.

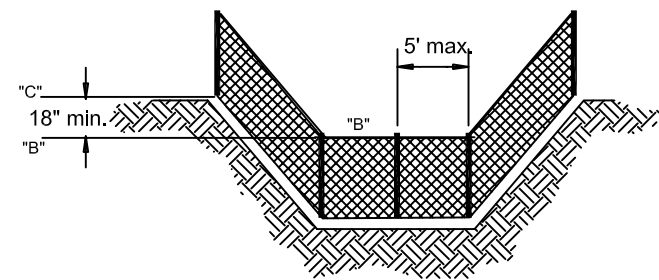


PROFILE

SPACING BETWEEN CHECK DAMS



PLAN



ELEVATION

SILT FENCE CHECK DAM

(See silt fence installation)

CONSTRUCTION NOTES

1. Use in existing, proposed and temporary ditches of all types.
2. This device is only to be used to control velocity. It is not intended to trap sediment.

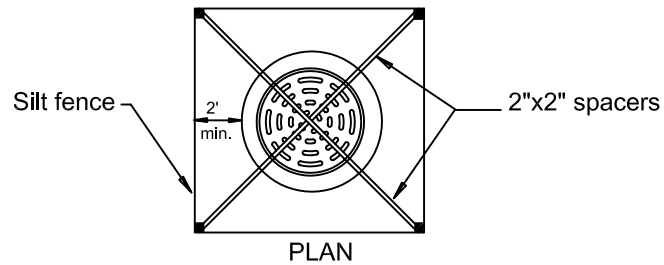
3. Check dams shall be frequently inspected by the contractor, and promptly repaired or replaced as needed. If after repeated failure of the contractor to properly control erosion and/or siltation, the Village reserves the right to effect necessary corrective measures and charge any costs to the contractor.

4. Check dams shall be removed when they have served their usefulness so as not to block or impede storm flow or drainage.

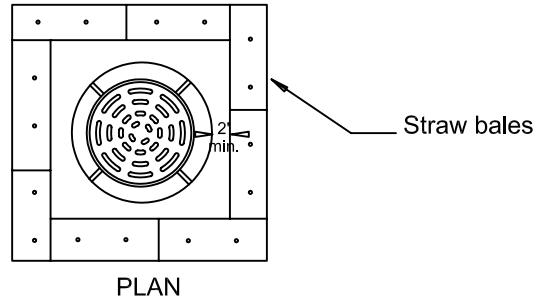
AGGREGATE OR SILT FENCE CHECK DAM

REVISIONS		VILLAGE OF ADDISON	
8/03		APPROVED: 2/2/94	
			
		R. ESPEDIDO, P.E., VILLAGE ENGINEER	

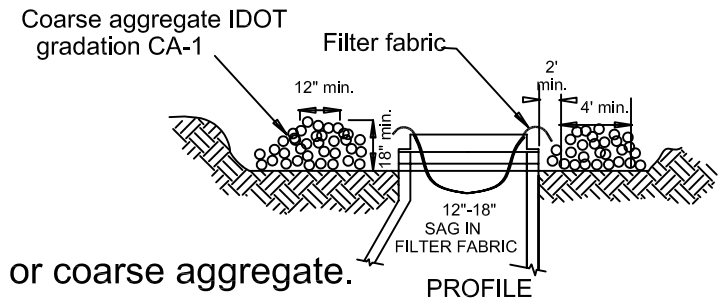
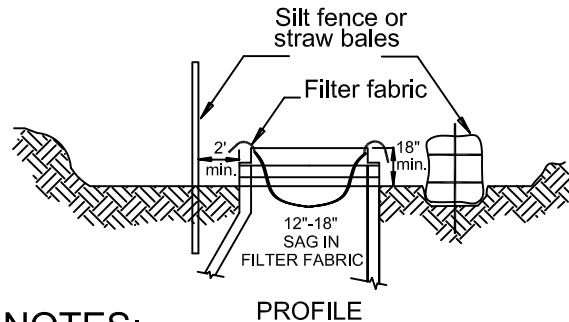
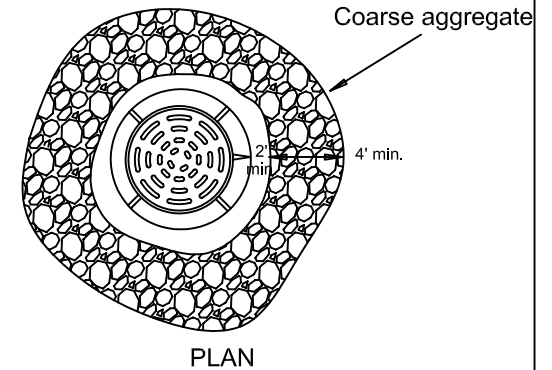
STD. 1307.7A (See silt fence installation)



(See straw bale installation)



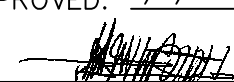
NOT TO SCALE



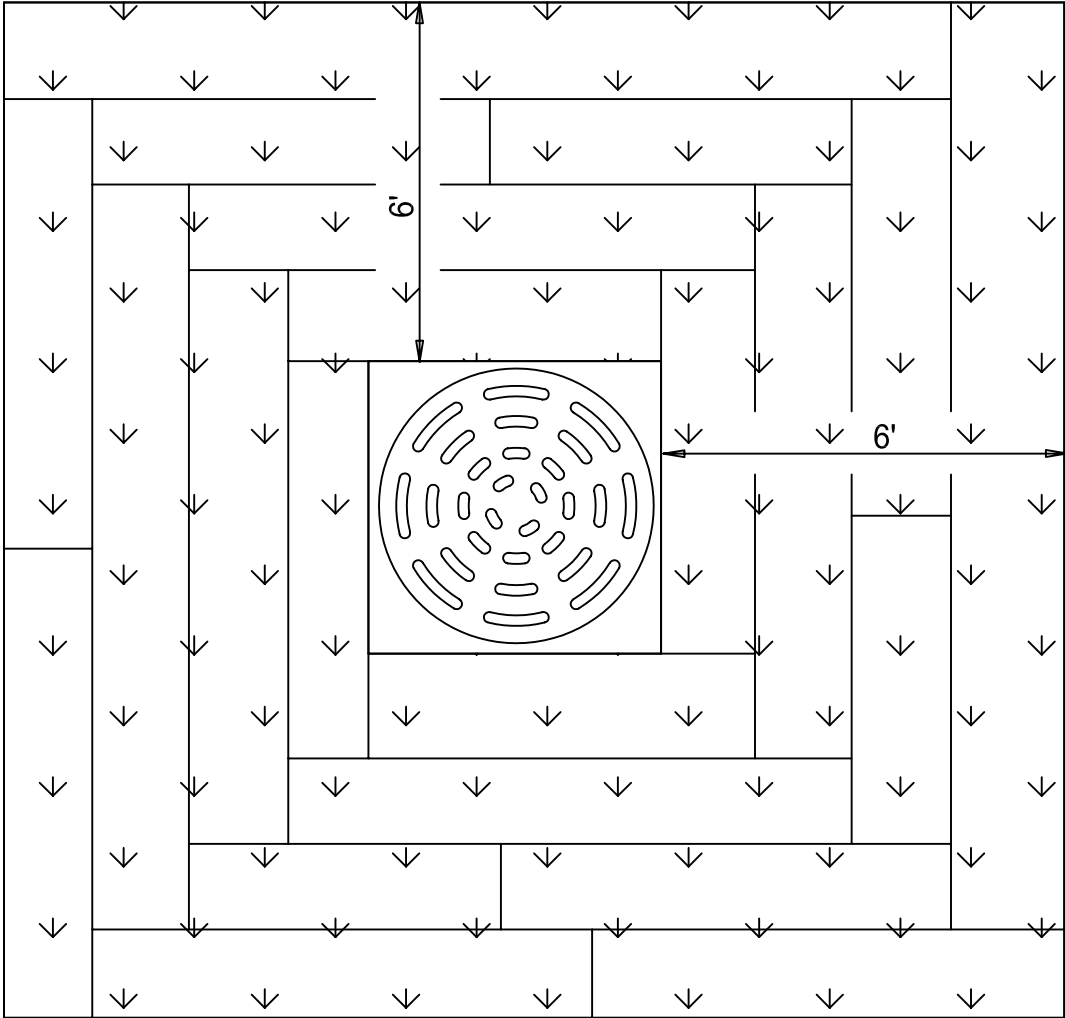
CONSTRUCTION NOTES:

1. All open lid storm drains shall be protected by silt fence, straw bales, or coarse aggregate.
2. Sewer contractor shall over excavate around all open lid storm drains to create a minimum 18" deep depression or sump for the collection of sediment.
3. Sewer contractor shall install filter fabric between the frame and grate, replacing the filter fabric as it becomes clogged with sediment. Filter fabric shall be removed when it has served its usefulness and prior to final inspection.
4. Sediment shall be removed from the sump, and the sump restored to its original dimensions when sediment has accumulated to 1/2 the design depth of the sump. Removed sediment shall be deposited in a suitable area, and in such a manner that it will not erode.
5. Protection measures shall be removed, and the area around the storm drain stabilized, only after the drainage area has been properly stabilized.

STORM DRAIN PROTECTION (SITE)

REVISIONS		VILLAGE OF ADDISON
8/03		APPROVED: 2/2/94
		
		R. ESPEDIDO, P.E., VILLAGE ENGINEER

STD. 1307.7A

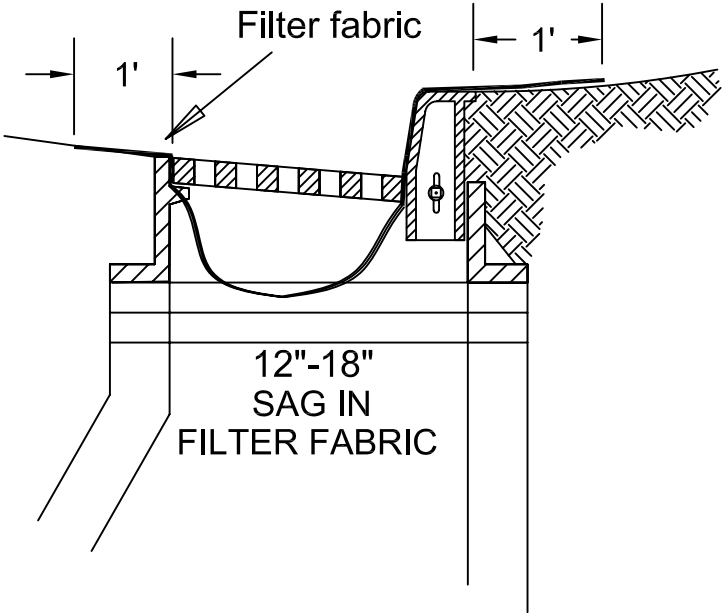


CONSTRUCTION NOTES

- 1. Sodded storm drain protection is applicable only after the drainage area has been properly stabilized.
- 2. Install four 18" wide strips of sod along each side of the storm drain.

STORM DRAIN PROTECTION
(SODDED)

REVISIONS		VILLAGE OF ADDISON
8/03		APPROVED: 2/2/94
		
		R. ESPEDIDO, P.E., VILLAGE ENGINEER



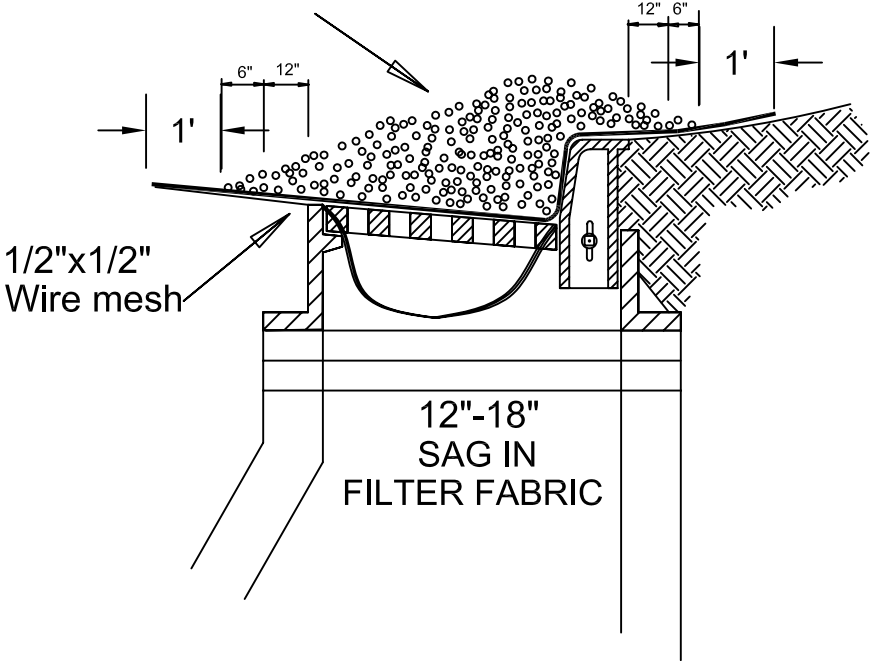
CONSTRUCTION NOTES:

- 1. All street drains within 100' of the construction area shall be protected by filter fabric or an aggregate filter.
- 2. Filter fabric or aggregate filter shall be replaced as it becomes clogged with sediment.
- 3. Protection measures shall be removed only after the construction area has been properly stabilized.

STORM DRAIN PROTECTION
(STREET)

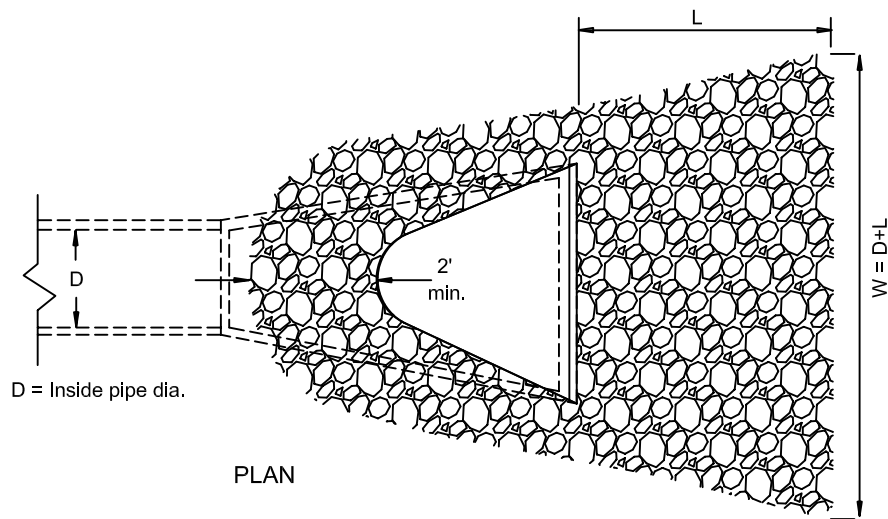
Coarse aggregate filter
IDOT gradation CA-1

NOT TO SCALE



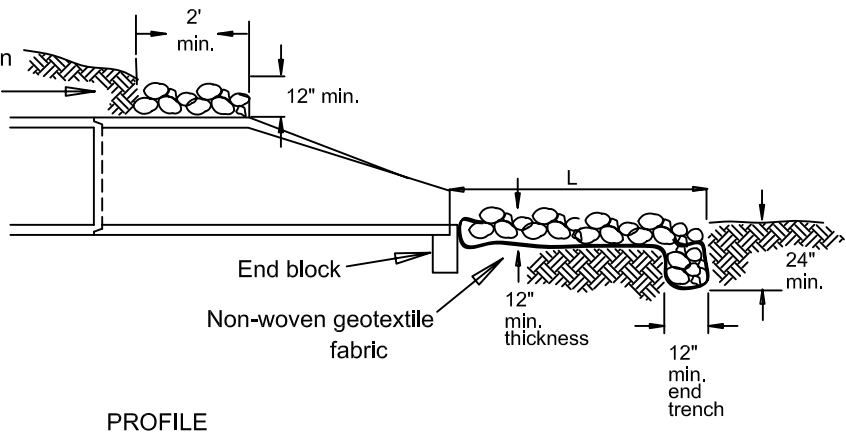
NOTE: Coarse aggregate filter protection is applicable only at curb drains where ponding in front of the drain is not likely to cause inconvenience or damage to adjacent buildings, unprotected areas, or the motoring public.

REVISIONS		VILLAGE OF ADDISON
8/03		APPROVED: 2/2/94
		
		R. ESPEDIDO, P.E., VILLAGE ENGINEER



OUTLET PIPE DIA.	L FT.	W FT.
10"	11'	12'
12"	14'	15'
15"	14'	15'
18"	16'	18'
21"	18'	20'
24"	20'	22'
27"	22'	24'
30"	22'	25'
36"	26'	29'
42"	27'	31'
48"	31'	35'
54"	32'	37'
60"	34'	39'
66"	35'	41'
72"	38'	44'
78"	42'	49'
84"	46'	53'

NOTE: Contractor shall maintain a minimum of 12" of cover over the top of the pipe.

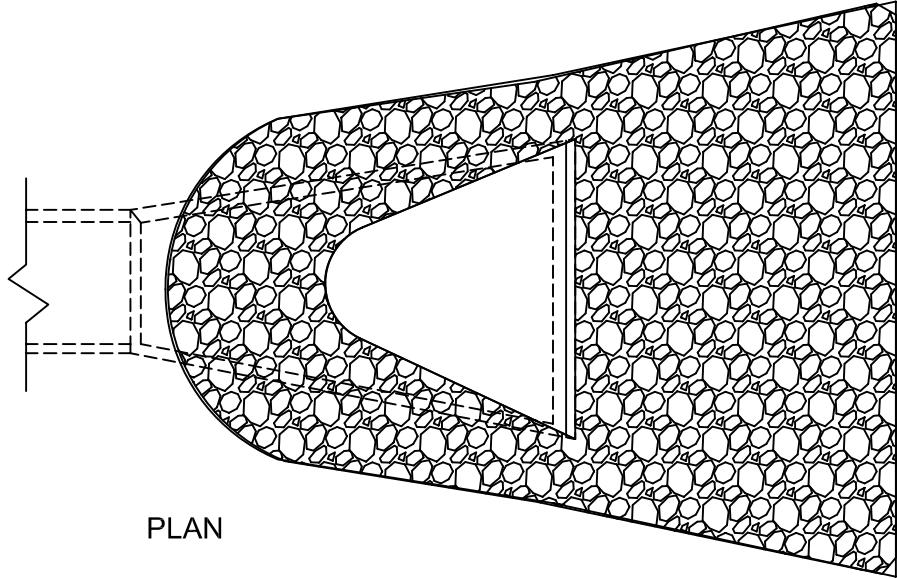


- NOTES:
1. Rip-rap shall be placed at all flared end sections.
 2. Rip-rap shall be "crushed stone", minimum size of IDOT gradation RR-3, placed to a minimum thickness of 12".
 3. Rip-rap shall be placed over a non-woven geotextile fabric (Supac 8PN, Mirafi 150X or approved equal).

CRUSHED STONE RIP-RAP AT FLARED END SECTIONS

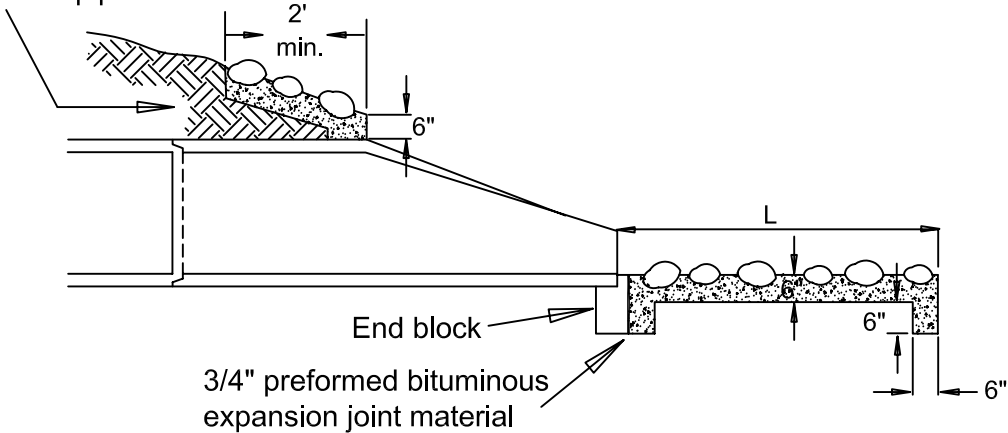
(INDUSTRIAL - COMMERCIAL)

REVISIONS		VILLAGE OF ADDISON
8/03		APPROVED: 2/2/94
		
		R. ESPEDIDO, P.E., VILLAGE ENGINEER



PLAN

NOTE: Contractor shall maintain a minimum of 12' of cover over the top of the pipe.



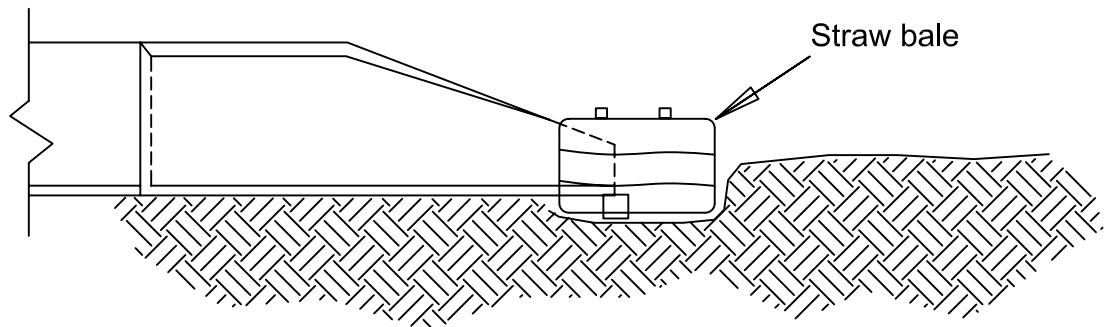
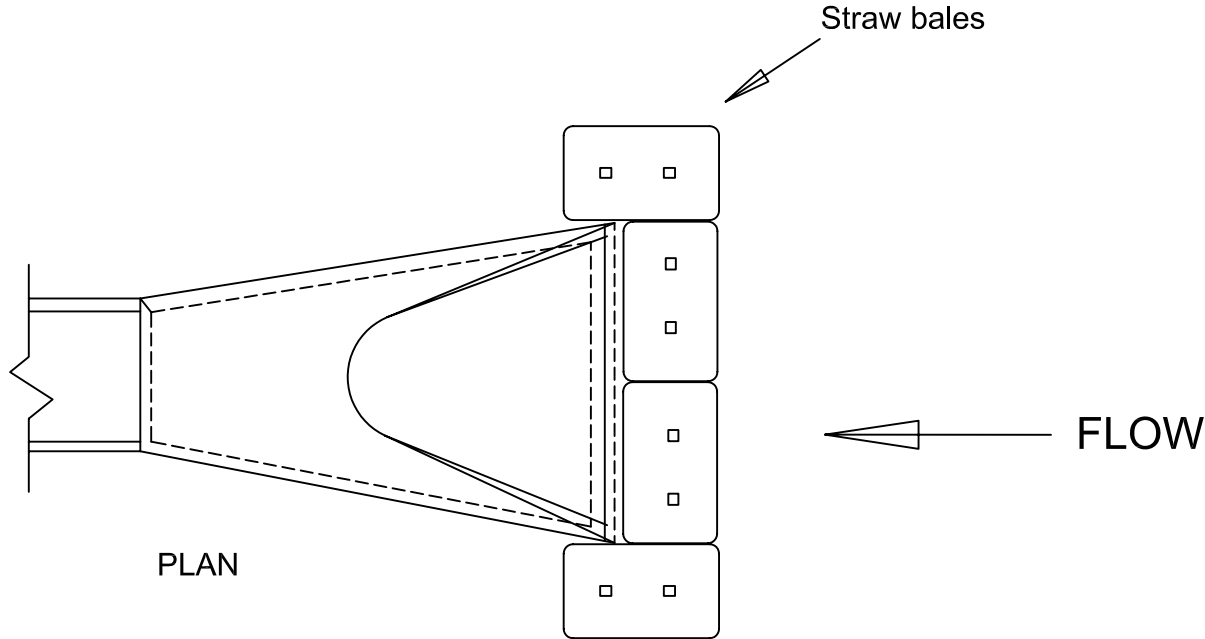
PROFILE

GROUTED RIP-RAP AT FLARED END SECTIONS (RESIDENTIAL)

OUTLET PIPE DIA.	L FT.	W FT.
10"	11'	12'
12"	14'	15'
15"	14'	15'
18"	16'	18'
21"	18'	20'
24"	20'	22'
27"	22'	24'
30"	22'	25'
36"	26'	29'
42"	27'	31'
48"	31'	35'
54"	32'	37'
60"	34'	39'
66"	35'	41'
72"	38'	44'
78"	42'	49'
84"	46'	53'

- NOTES:
1. Rip-rap shall be grouted (concrete) in place at all flared end sections.
 2. Rip-rap shall consist of landscape boulders, rose in color, 6" to 9" in size.
 3. Area to be covered with rip-rap shall be graded, and a trench dug 12" deep and 6" wide at the top and bottom of this area to toe the concrete into the bank.
 4. Concrete shall be poured to a thickness of 6" and struck off.
 5. Rip-rap shall be neatly placed into the wet concrete in a random pattern to a depth of 1/2 to 3/4 of the diameter of the boulder.
 6. Care shall be taken to remove any concrete from the exposed surface of the rip-rap.

REVISIONS		VILLAGE OF ADDISON
8/03		APPROVED: 2/2/94
		
		R. ESPEDIDO, P.E., VILLAGE ENGINEER



(SEE STRAW BALE INSTALLATION)

STRAW BALE PROTECTION AT FLARED END SECTIONS

REVISIONS		VILLAGE OF ADDISON
8/03		APPROVED: 2/2/94
		
		R. ESPEDIDO, P.E., VILLAGE ENGINEER

CONSTRUCTION NOTES:

1. Rip-rap shall be grouted (concrete) in place.

2. Rip-rap shall consist of landscape boulders, rose in color, 6" to 9" in size.

3. Area to be covered with rip-rap shall be graded, and a trench dug 12" deep and 6" wide at the top and bottom of this area to toe the concrete into the bank.

4. Concrete shall be poured to a thickness of 6" and struck off.
5. Rip-rap shall be neatly placed into the wet concrete in a random pattern to a depth of 1/2 to 3/4 of the diameter of the boulder.

6. Care shall be taken to remove any concrete from the exposed surface of the rip-rap.

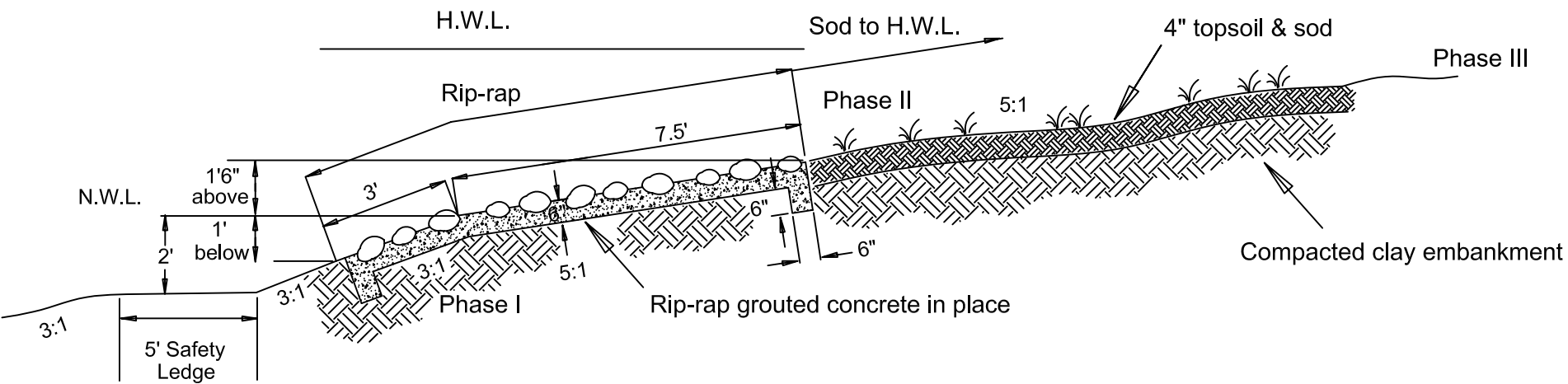
7. Expansion joints shall be constructed using 3/4" x6" preformed bituminous expansion joint material at 50' intervals.

NOTE:

- Silt fence shall be installed around the basin by the contractor as follows:
- PHASE I: At the normal water level immediately after rough grading.

PHASE II: Above the rip-rap, immediately after installation of the rip-rap.

PHASE III: Above the sod, immediately after installation, and maintained in place until the adjacent areas have established grass cover.



DETENTION BASIN

SHORELINE TREATMENT

(RESIDENTIAL)

REVISIONS		VILLAGE OF ADDISON
8/03		APPROVED: 2/2/94
		
		R. ESPEDIDO, P.E., VILLAGE ENGINEER

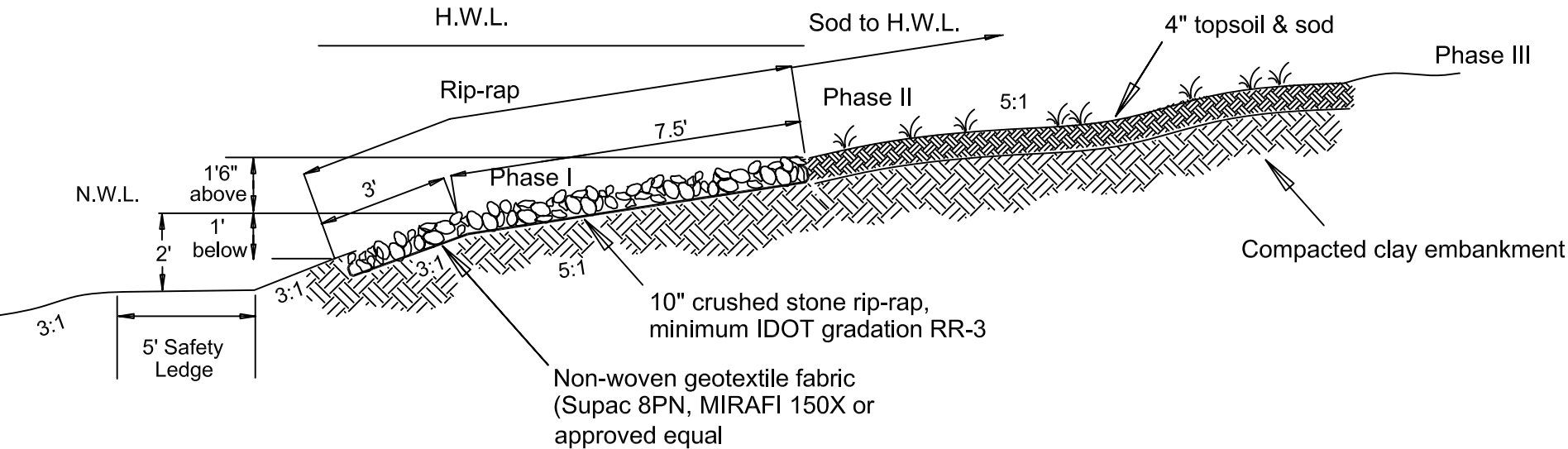
STD. 1308.2A

NOTE:
Silt fence shall be installed around the perimeter of the basin by the contractor as follows:

PHASE I: At the normal water level immediately after rough grading.

PHASE II: Above the rip-rap, immediately after installation of the rip-rap.

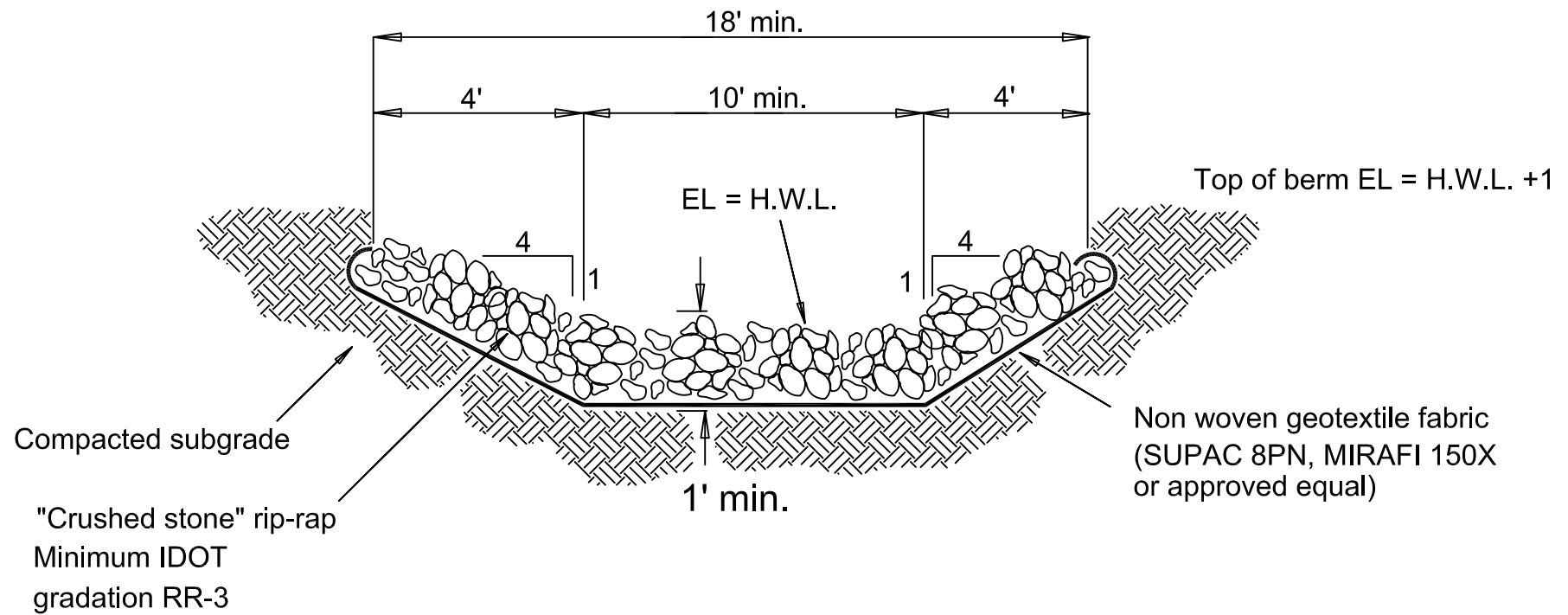
PHASE III: Above the sod, immediately after installation, and maintained in place until the adjacent areas have established grass cover.



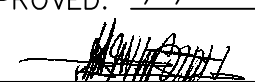
DETENTION BASIN SHORELINE TREATMENT

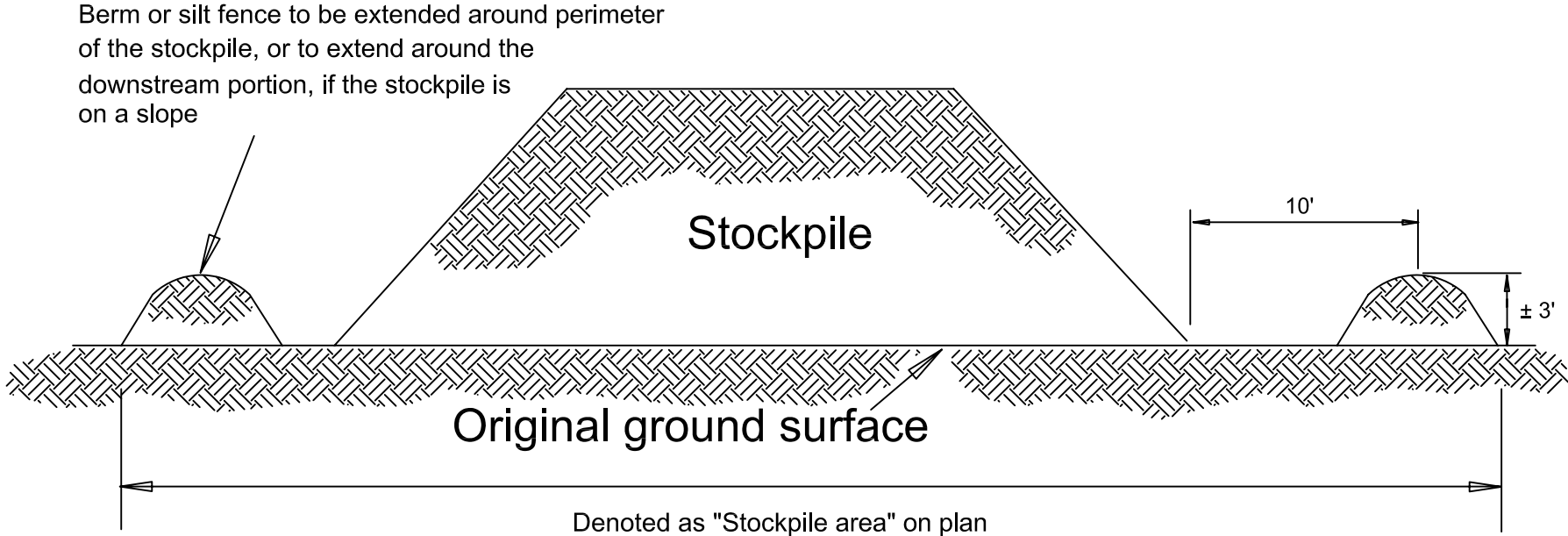
(INDUSTRIAL - COMMERCIAL)

REVISIONS		VILLAGE OF ADDISON
5/98		APPROVED: 2/2/94  R. ESPEDIDO, P.E., VILLAGE ENGINEER
8/03		



RIP-RAP SPILLWAY

REVISIONS		VILLAGE OF ADDISON
8/03		APPROVED: 2/2/94
		
		R. ESPEDIDO, P.E., VILLAGE ENGINEER



TEMPORARY STOCKPILE

REVISIONS		VILLAGE OF ADDISON
8/03		APPROVED: 2/2/94  R. ESPEDIDO, P.E., VILLAGE ENGINEER