

CITY OF LA CRESCENT
EROSION CONTROL

Public Works Department
507-895-4409

**CITY OF LA CRESCENT - ADOPTED FEE SCHEDULE 2005
UPDATED 1/11/05**

ZONING

ZONING	2005
Abatement - per incident	\$ 40.00 administrative fee plus abatement charges
Conditional use permit - per each individual request	\$ 100.00
District zoning chances - per each individual request	\$ 100.00
<u>Erosion control:</u>	
Reinspection fee	\$35.00
<u>Surety deposit</u> (to be returned upon completion of erosion control and building permit final inspection minus any violations):	
New residential/commercial construction	\$500.00
Additions/garages	\$100.00
Land alterations	\$250.00
Building demolition	\$250.00
<i>NOTE: DECKS AND ADDITIONS BUILT ON POSTS FOR THE FOUNDATION ARE EXCLUDED FROM SURETY DEPOSIT.</i>	

CITY OF LACRESCENT EROSION CONTROL		Permit # 048
Received from		
Name:	_____	
Address:	_____	
for Erosion Control for the following project:		

Deposit Amount \$ _____	Date _____	By Ck _____ Cash _____
Less Charges:	_____	

TOTAL AMT: \$ _____	to be refunded.	
Refunded: \$ _____	Date: _____	Ck # _____

City of La Crescent
315 Main Street
La Crescent, MN 55947
507-895-4409

Information Sheet

Erosion Control Requirements for Building Permits

According to studies of non-point urban water pollution, erosion and transport of sediment off of unprotected construction sites is in many cases the leading contributor to pollution in lakes and rivers. Cities and counties nationwide have instituted measures to combat this problem by encouraging builders and developers to follow erosion control "Best Management Practices." It is the City of La Crescent's goal to work with builders and developers to insure that erosion is controlled and minimized on all construction sites.

In order to achieve the most cost-effective protection of surface water, the City of La Crescent has an ongoing erosion control ordinance. The ordinance outlines minimum steps that will be required on building sites where bare soil is exposed. Due to the diversity of building situations encountered, each site will be individually evaluated and where additional measures are needed, they will be specified at the discretion of the Building/Zoning Department.

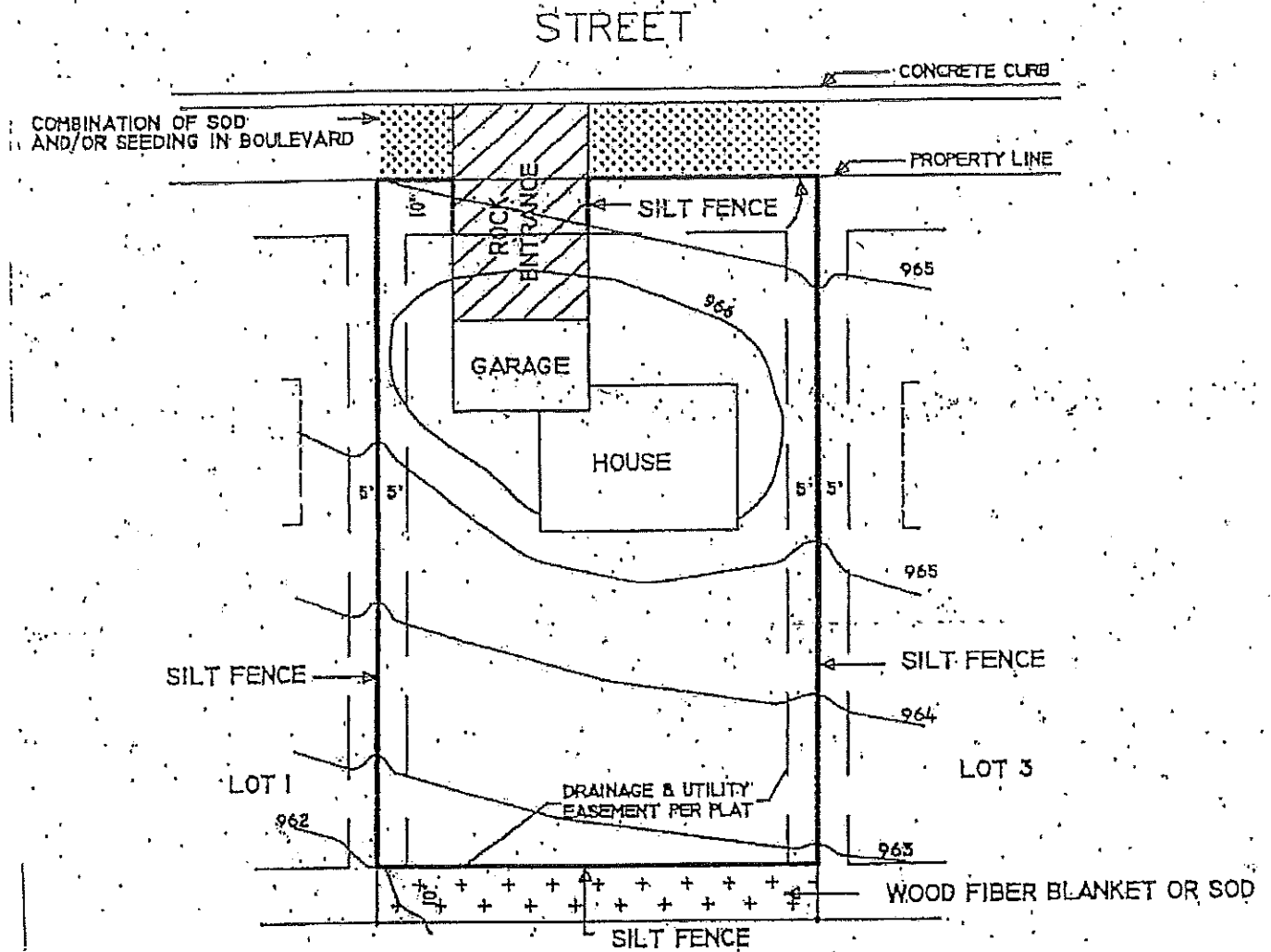
1. All grading plans and building site surveys will be reviewed for effectiveness of erosion control measures in the context of the site topography and drainage. If the plans and/or survey do not specify erosion control, the Building/Zoning Department will describe these measures on the plans or surveys based on the Minnesota Pollution Control Agency's "Best Management Practices." Plans and/or surveys with erosion control specified are then returned with the permits.
2. Silt fence is required to control erosion on ALL sites. Silt fence requirements are as follows:
 - The builder/owner is responsible for properly installing erosion control no longer than 5 (five) days within excavation or immediately after backfill of the foundation. If the required erosion control is not installed within 24 hours after backfill of the foundation, a stop work order will be issued until erosion control measures meet City of La Crescent requirements. A inspection fee of \$35.00 must be paid prior to the Building/Zoning Official's removal of the stop work order.
 - An approved grading plan or building site plan/survey along with the permit card shall be posted on the job site.
 - Building/Zoning Department will perform follow-up inspections on a regular basis to insure erosion control measures are properly installed. The

builder/owner is responsible to maintain the silt fence during the entire construction process.

- The City Building Official or City Engineer will retain the right to require additional silt fence at any time to insure that erosion does not occur.
 - Hay bales will be required when the ground is frozen as determined by the City of La Crescent. Silt fence shall be installed in the spring when the frost is out as determined by the City of La Crescent. If silt fence is not installed correctly after an inspection by the Building/Zoning Department in the spring, it will be installed at the builder's/owner's expense. Costs associated with having silt fence installed will be subtracted from the as-built/erosion control surety.
3. Temporary rock entrances are required on every building site. Requirements for temporary rock entrances are as follows:
- Installation of rock entrances will be required before any fill is brought into a site. If the rock entrance is not installed and fill is brought into a fill site, a stop work order will be issued until the rock driveway is installed which measures meet City of La Crescent requirements. A re-inspection fee of \$35.00 must be paid prior to the Building/Zoning Official's removal of the stop work order. Rock driveways will also be required during the winter months if any fill is to be hauled to the site. Existing driveways could satisfy this requirement for additions to existing buildings.
4. In all cases where builders are in noncompliance with erosion control, the City of La Crescent will issue stop work orders until erosion control measures meet specifications.
5. Street shall be cleaned and swept whenever tracking of sediments occur and before sites are left idle for weekends and holidays. If street are not cleaned, the City of La Crescent will arrange for a private contractor to clean the streets and will bill the charges accordingly.
6. Construction site dumpsters SHALL NOT be located on any surface other than the street or driveways.

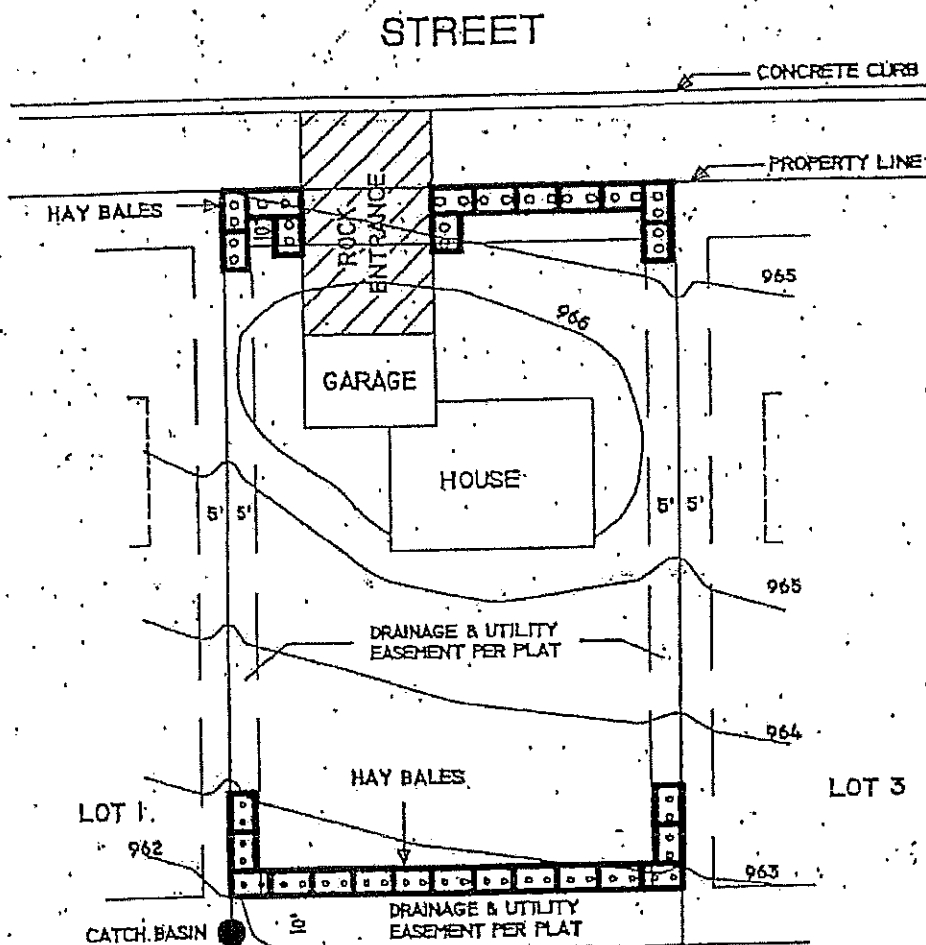
Questions and comments may be directed to the City of La Crescent
Building/Zoning Department at 507-895-4409.

LOT DEVELOPMENT EROSION CONTROL



NOTE: THIS EROSION CONTROL LAYOUT SHALL BE CONSTRUCTED AROUND THE PERIMETER OF THE LOT AND PRIOR TO ANY DIGGING. IT IS THE BUILDERS RESPONSIBILITY TO MAINTAIN AND CONTROL ALL EROSION ON THAT SITE.

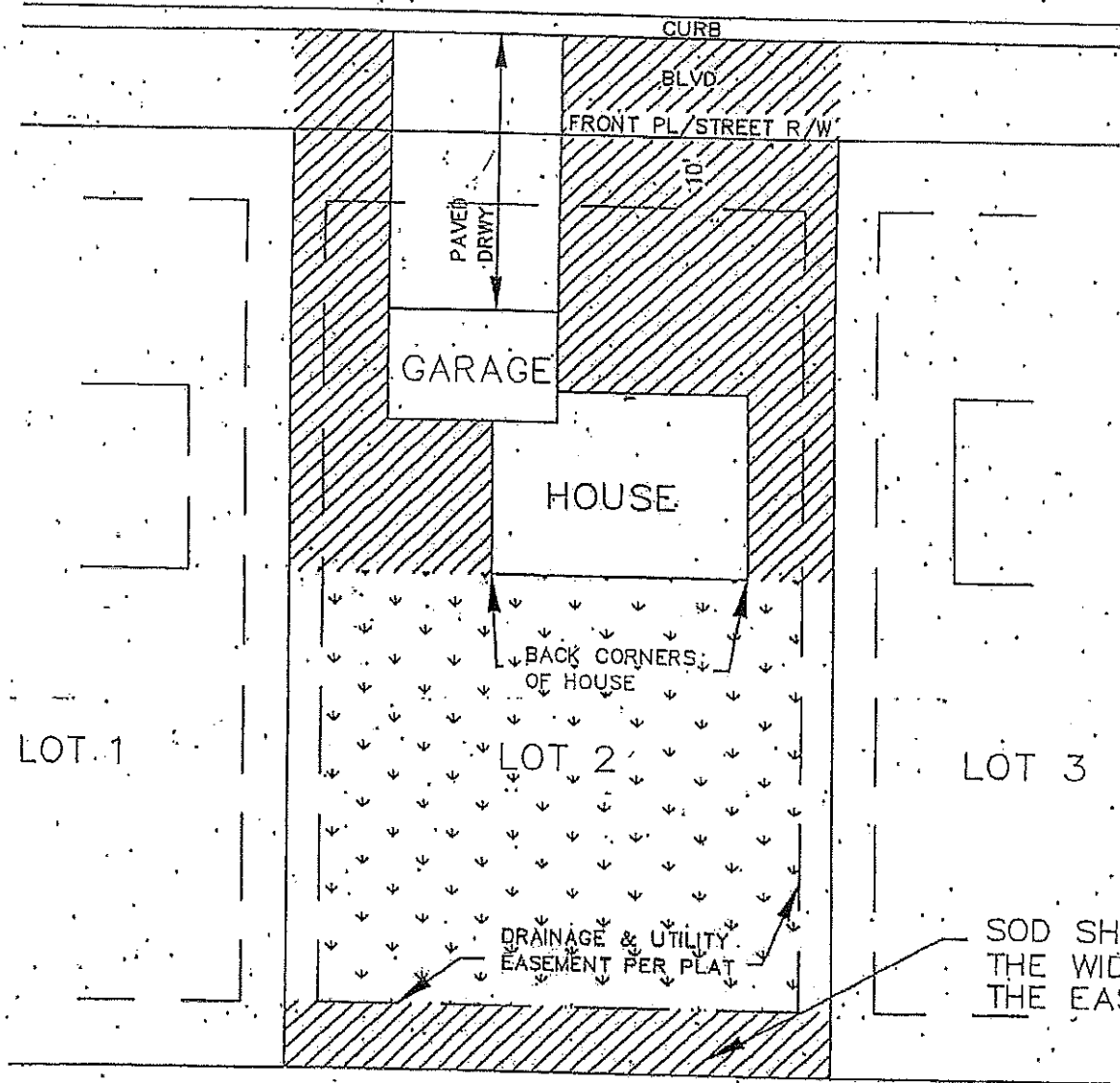
LOT DEVELOPMENT EROSION CONTROL FROZEN GROUND CONDITIONS



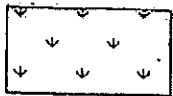
HAY BALES REQUIRED AT REAR OF PROPERTY ONLY WHEN
ADJACENT TO POND, CATCH BASIN OR DRAINAGE SWALE

THIS EROSION CONTROL LAYOUT SHALL BE CONSTRUCTED WHEN GROUND
CONDITIONS ARE FROZEN AND PRIOR TO ANY DIGGING. IT IS THE BUILDERS
RESPONSIBILITY TO MAINTAIN AND CONTROL ALL EROSION ON THAT SITE:

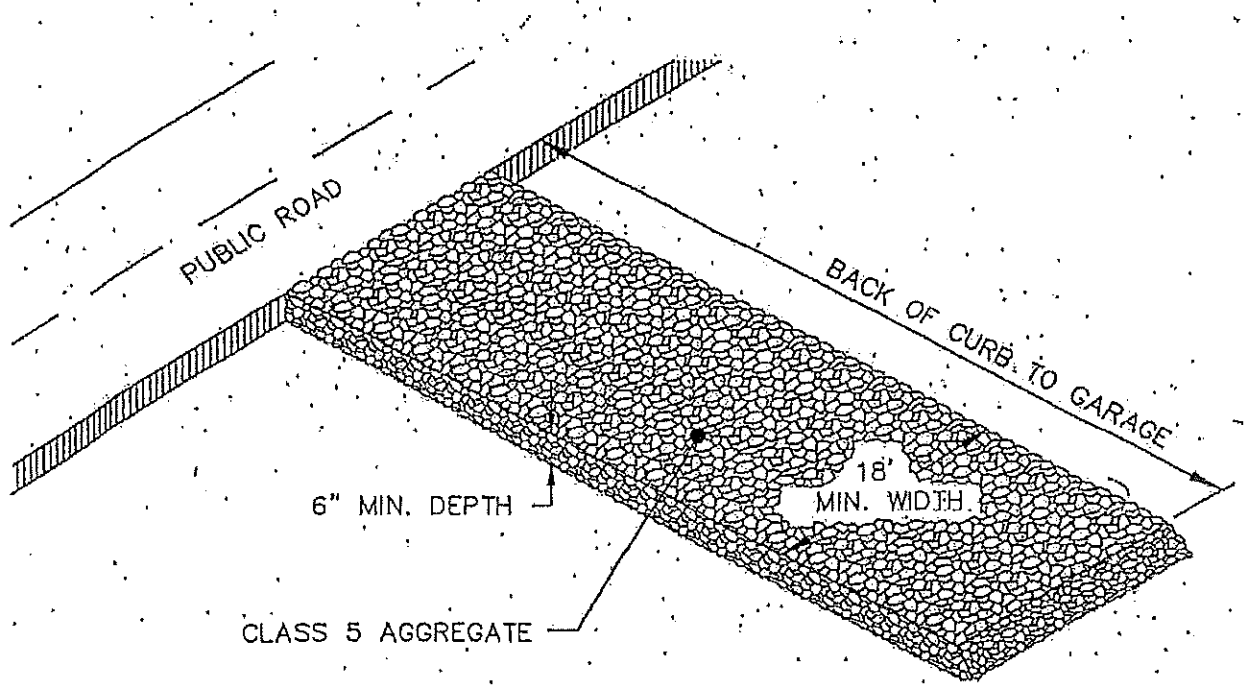
STREET



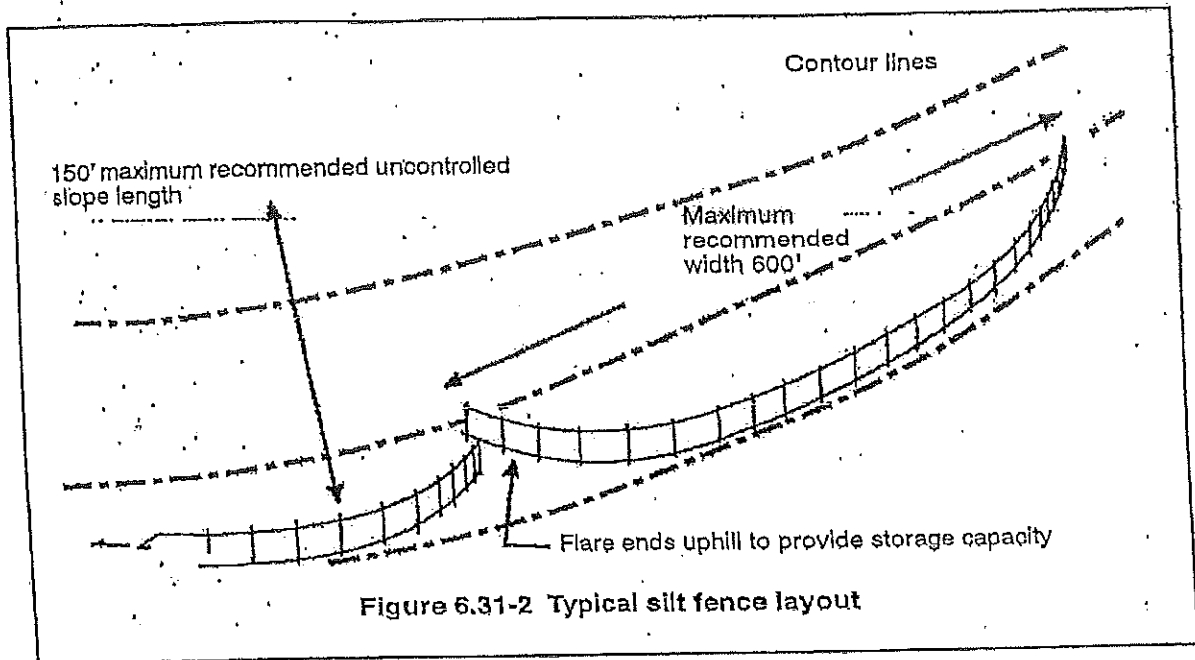
= MIN. MANDATORY SODDED AREA OR HYDRO SEEDING W/ 2 STRIPS OF SOD BEHIND CURB.



= BACKYARD MAY BE SEEDDED



ROCK CONSTRUCTION ENTRANCE



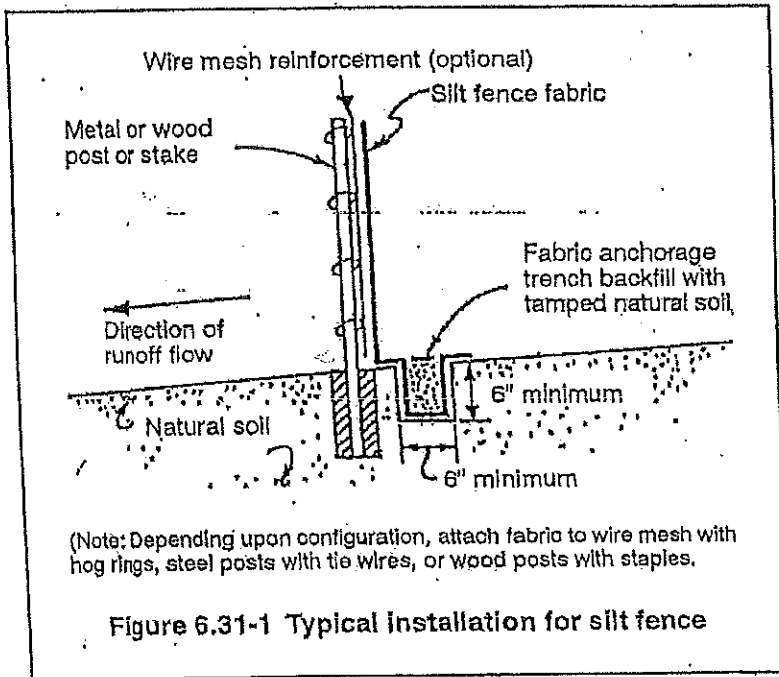
CONSTRUCTION SPECIFICATIONS

SILT FENCE

This description covers silt fence for use in retaining sediment and preventing off-site sedimentation. The following types are provided for specific uses:

Heavy Duty	General use during site grading, to protect critical areas and bodies of water. This type has metal posts and woven wire fence material as backing for the geotextile material.
Standard	Light-duty applications, to protect temporary construction or to supplement the other types of silt fence. This type is installed with plow type equipment with stakes spread at 8 ft intervals.
Preassembled	Light-duty applications, to protect temporary construction or to supplement the other types of silt fence. This type often has posts pre-attached to the silt fence geotextile.
Machine-sliced Installation	For most applications

Ensure that posts for silt fences are either 1.5-inch hardwood with a minimum length of 4 ft or 1.25 lb/linear ft steel, with a minimum length of 5 ft. Make sure that steel posts have projections to facilitate fastening the fabric. Post spacing will be site specific, but under all condition 6-8 ft. on center is a standard maximum.



DESIGN RECOMMENDATIONS

1. Silt fences should be installed on the contour (as opposed to up and down a hill) and constructed so that flow cannot bypass the ends.
2. Ensure that the drainage area is no greater than 1/4 acre per 100 ft of fence.
3. Make the fence stable for the 10-year peak storm runoff.
4. Where all runoff is to be stored behind

the silt fence, ensure that the maximum slope length behind the fence does not exceed the specifications shown in Table 6.31-1.

5. By design, ensure that the depth of impounded water does not exceed 2 ft at any point along the fence.

Table 6.31-1 Maximum slope length and slope for which silt fence is applicable

Slope H:V	Percent	By Calculation	By Calculation	By Accepted Design Practices
		Silt fence storage equals 2 ft for a 100-year event	Silt fence storage equals 2 ft for a 2-year event or 3 ft for a 100-year event	
100:1	1%	400 ft	900 ft	100 ft
50:1	2%	200 ft	450 ft	75 ft
25:1	4%	100 ft	225 ft	75 ft
20:1	5%	80 ft	180 ft	75-50 ft
17:1	6%	67 ft	150 ft	50 ft
12.5:1	8%	50 ft	112 ft	50 ft
10:1	10%	40 ft	90 ft	50-25 ft
5:1	20%	20 ft	45 ft	25-15 ft
4:1	25%	16 ft	36 ft	15 ft
2:1	50%	8 ft	18 ft	15 ft

INSTALLATION

1. Silt fence that is inadequately embedded in the ground will blow out, releasing water and sediment under the fence. Failure to properly install, inspect and maintain are the primary causes of this failure.
2. Silt fences can also be overtopped by sediment build up over several storm events. The silt fence must be maintained when sediment reaches 1/3 the height of the silt fence. For a 3 ft silt fence, cleaning should be conducted whenever there is on 1 ft of silt build up.
3. Another primary area of failure is for silt fences to be overtopped in a concentrated flow area. The silt fence is not meant to be placed in concentrated flow areas, and slope length calculations of Table 6.31-1 do not apply to concentrated flows.
4. Silt fences are not terraces; they cannot be put in sequence to extend the slope length allowable. Other methods must be used if the allowable distance is exceeded.
5. Another area of failure is for the silt fence to be eroded around the ends. The fence must be tied into the slope so that the base of the fence is above the design storage depth.
6. Construct the silt fence from a continuous roll of geotextile if possible. Cut to the length of the barrier to avoid joints. When joints are necessary, securely fasten the geotextile fabric. It is preferred that the material be overlapped to the next post or geotextile may be wrapped together around posts.
7. For heavy duty use support standard strength silt fence by woven wire mesh fastened securely to the upslope side of the posts using hog rings and tie wires. Extend the wire mesh support to the bottom of the trench. Woven wire is not required with the standard silt fence or slicing method of installation.
8. When a wire-mesh support fence is used, space posts no more than 8 ft apart. Support posts should be driven securely into the ground to a minimum of 2 ft.
9. Unless machine-slice methods are used, excavate a trench approximately 6 inches wide and 6 inches deep along the proposed line of posts and upslope from the barrier.
10. Backfill the trench with compacted soil or gravel placed over the geotextile.
11. Never attach silt fence to trees.

MAINTENANCE

1. Inspect silt fences at least once a week and after each rainfall, or as required by permits. Make any required repairs immediately. Repair scoured areas on the back side of fence at this time to prevent future problems.
2. Should the fabric of a silt fence collapse, tear, decompose or otherwise become ineffective, replace it within 24 hours of discovery.
3. Remove silt deposits once they reach one-third the height of the fence to provide adequate storage volume for the next rain and to reduce pressure on the fence. Take care to avoid undermining the fence during cleanout.
4. Remove all fencing materials and unstable sediment deposits and bring the area to grade and stabilize it after the contributing drainage area has been properly stabilized.

Note: Other specifications are acceptable, make sure your project specifications are appropriate for your project

City of La Crescent
Erosion Control Inspection Notice

Address _____

Date _____ Time _____

WARNING

The Erosion Control on this site has failed an inspection. This violation must be corrected within 24 hours or a STOP WORK ORDER will be issued and a \$.00 reinspection fee will apply. This fee must be paid PRIOR to any reinspection.

- Silt fence not installed according to approved site plan.
- Silt fence requires maintenance.
A. Reinstall silt fence
B. Other
- Silt fence not installed correctly:
A. Bottom not buried (6" min.)
B. Installed backwards.
C. Other: _____
- Rock entrance not installed.

Public Works Department Number 507-895-4409

Issued by _____

City of La Crescent
Erosion Control Inspection Notice

Address _____

Date _____ Time _____

FAILED

The Erosion Control on this site has failed a reinspection. A \$.00 reinspection fee is required prior to scheduling reinspection. This fee must be paid at the La Crescent City Hall, 315 Main Street.

- Silt fence not installed according to approved site plan.
- Silt fence requires maintenance.
A. Reinstall silt fence
B. Other
- Silt fence not installed correctly:
A. Bottom not buried (6" min.)
B. Installed backwards.
C. Other: _____
- Rock entrance not installed.

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Erosion Control Inspection Notice

Address _____

Date _____ Time _____

PASSED

Erosion Control measures must be maintained. All single-family lots are subject to random continuing inspections. If at any time a lot is found to be in non-compliance with erosion control requirements, a warning will be issued and the erosion control will need to be corrected and reinspected.

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Issued by _____

STOP WORK

THE FOLLOWING ARE NOT IN COMPLIANCE WITH THE BUILDING CODE AND/OR LOCAL ORDINANCES FOR THE CITY OF LA CRESCENT

- FOOTING _____
- FOUNDATION _____
- FRAMING _____
- PLUMBING _____
- MECHANICAL _____
- INSULATION _____
- GAS _____
- FIREPLACE _____
- FINAL _____
- OTHER _____

Permit applicant _____

Contractor _____

Site address _____

Building Permit Number _____

Note: Failure to comply with the code is a misdemeanor. (MN statute 16b.69)

Building Official _____ Date _____