

Preparing an Erosion Control Plan

This publication will show you how to prepare a soil erosion control plan that can prevent many soil erosion problems on your construction site.

Planning Ahead

By planning ahead, you can make the whole construction job easier and incur less cost repairing the landscape after the construction is completed.

- **Review** the erosion control practices described in this guidance.
- **Establish** a vehicle parking area to keep vehicles from creating disturbed areas all over the jobsite.
- **Save vegetation** as much as possible to minimize bare soil areas that will be easily eroded.
- **Limit vehicle access** to vegetated areas with barriers to minimize disturbances to stable areas.
- **Stockpile** valuable topsoil and redistribute it after construction is complete.
- If possible, **avoid winter rainy season** construction.
- Plan to **stage work** phases to minimize disturbed areas particularly in the rainy season.
- Get a **gravel driveway** in place before construction starts.
- Make sure the **builder and contractor understand your plans** and can comply with them.

Preparing your Erosion Control Plan

On the back of this folder is a blank form that you can use to draw your **Soil Erosion Control Plan**. A photocopy of your architectural plan could be substituted for this form.

Inside this folder is an example Soil Erosion Control Plan with descriptions of the various components and measures that make up the plan.

Steps to prepare the plan:

- Draw the **streets and roadways** leading to the property.
- Draw in the **boundaries** of the property.
- Indicate which direction is **north**.
- Draw in the proposed **building** on the site.
- Add arrows showing the direction **water will flow** off the property.
- Indicate the **steepness of slopes** by classifying them as steep, moderate or gentle.
- Designate areas where **vegetation** will be left **undisturbed**.
- Draw in the **access driveway** and designate an area for **vehicle parking**.
- Determine where soil will be **stockpiled**.
- Determine what **erosion control measures** will be used. **Draw and label** the control measures.

Sample Soil Erosion Control Plan

Erosion Control Matting (E)

- Install lengths for top to bottom on steep slopes.
- Follow manufacturer's recommendation for staple spacing.

Regular cleanup

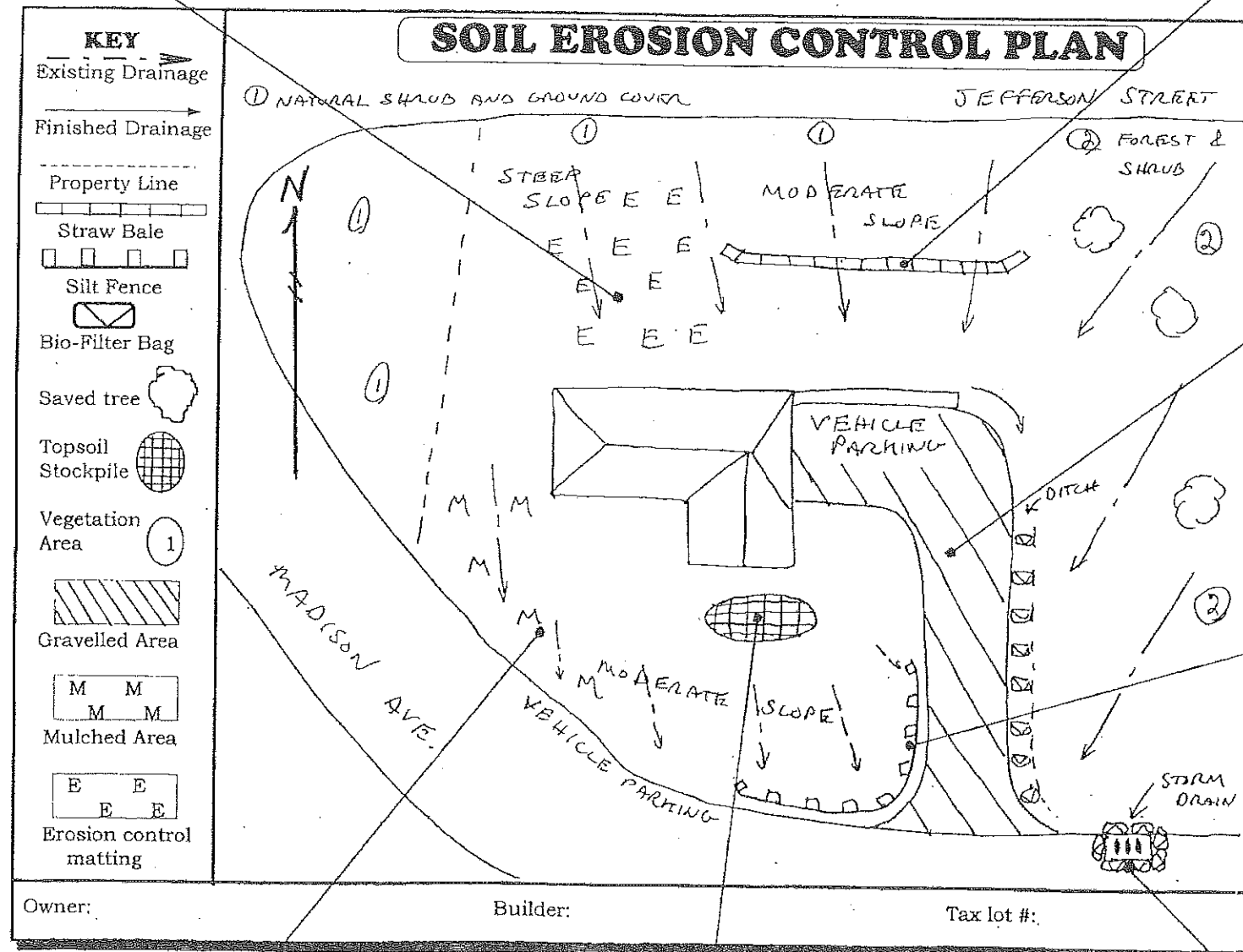
- Cleanup soil tracked unto streets by vehicle traffic and return to jobsite.
- After heavy rains, clean up soil washed off jobsite.

Downspout extenders

- Route water to a vegetated or paved area.
- Install as soon as gutters and downspouts are completed.
- Maintain until ground cover is established or drains installed.

Revegetation

- Seed, sod, or mulch bare soil as soon as possible.
- Use seed as recommended on revegetation sheet.



Straw Bales

- Install immediately following grading.
- Place parallel to the contour of the land to allow water to pond behind barrier.
- Entrench 4 inches deep.
- Anchor each bale with two stakes.
- No gaps between sections of silt fence.
- Inspect and repair once a week or after heavy rains.
- Maintain until vegetation is established on slope.

Gravel Drive

- Install a single access drive using 2 to 3 inch aggregate.
- Lay gravel at least 6 inches deep and wide enough to accommodate all vehicles - at least 7 feet.
- Maintain throughout construction.

Silt Fence

- Install immediately following grading.
- Place parallel to the contour of the land to allow water to pond behind barrier.
- Entrench 4 inches deep.
- Stake silt fence 1 stake every 6 feet.
- No gaps between sections of fence.
- Inspect and repair once a week or after heavy rains.
- Maintain until vegetation is established on slope.

Straw Mulch (M)

- Spread on shallow slopes.
- At least a 2" layer

Soil piles

- Locate away from downslope streets, driveways, streams, or drainageways and away from vehicle parking and traffic.
- Protect from erosion with straw, plastic or temporary seeding.

Inlet protection

- Use biofilter bags or gravel as protection to slow and filter runoff from job site before it enters storm drains
- Maintain inlet protection by regular cleaning to avoid clogging and street flooding.

SOIL EROSION CONTROL PLAN

KEY

Existing Drainage

Finished Drainage

Property Line

Straw Bale

Silt Fence

Bio-Filter Bag

Saved tree

Topsoil Stockpile

Vegetation Area

Gravelled Area

M M
M M
Mulched Area

E E
E E
Erosion control matting

Owner:

Builder:

Tax lot #: