

Storm Water Pollution Prevention Plan
For
Residential Subdivision Development
Arbor Park 4th Addition

Including City of Moorhead Engineering Projects
05-A6-1 Arbor Park 4th Addition Underground Utilities
05-A2-6 Arbor Park 4th Addition Street Paving

Project Location
West of 34th ST North
Between County Ditch 50 and 8th AV North
SW $\frac{1}{4}$ of Section 3, Township 139N, Range 48W

Prepared February 2005

TABLE OF CONTENTS

1. Introduction
 - a. Description of Storm Water Prevention Plan (SWPPP)
 - b. SWPPP Content
2. SWPPP Coordinator and Duties
3. Facility Description
 - a. Site Location
 - b. Construction Type
 - c. Existing Site Conditions
 - d. Site Plan
 - e. Storm Water Drainage Characteristics
4. Potential Sources of Storm Water Contamination
 - a. Significant Materials Inventory
 - b. Potential Locations for Storm Water Contamination
5. Storm Water Pollution Prevention Controls
 - a. Temporary Erosion Control
 - b. Permanent Erosion Control
 - c. Coordination of Best Management Practices (BMPs) During Construction
 - d. Certification of Compliance with Federal and State Regulations
6. Maintenance of BMPs and Inspection Procedures
 - a. BMP Maintenance
 - b. Inspections

LIST OF FIGURES

1. US Quad Map Showing Project Location
2. Project Location Cover Sheet
3. Site Maps with Erosion & Pollution Control BMPs (from project plans & specifications)
4. SWPPP Standard Erosion Control Details (from project plans & specifications)

SINGLE FAMILY RESIDENTIAL CONSTRUCTION EROSION/SEDIMENT CONTROL STANDARDS

MINNESOTA GENERAL STORM WATER PERMIT FOR CONSTRUCTION ACTIVITY (MN R100001)

INSPECTION LOG

1. Introduction

- a. Description of Storm Water Prevention Plan (SWPPP) The purpose of this SWPPP is to provide the following:
 - i. Define the characteristics of the site and the type of construction that will occur.
 - ii. Describe the site plan for the planned construction.
 - iii. Describe practices to be implemented to control erosion and prevent the release of pollutants into storm water.
 - iv. Establish an implementation schedule that ensures the effectiveness of planned practices to reduce erosion, sediment and pollutant levels in storm water discharged from the site.
 - v. Describe the final stabilization practices and maintenance responsibilities allowing for termination of this permit.

- b. SWPPP Content
 - i. Identification of the SWPPP coordinator and description of duties.
 - ii. Identification of the storm water pollution prevention team that will assist in implementing the SWPPP during construction.
 - iii. Description of existing site conditions including existing land use and any nearby Waters of The State.
 - iv. Identification of the receiving water body for runoff from this project.
 - v. Identification of drainage area and potential storm water contaminants.
 - vi. Description of storm water management controls and BMPs necessary to prevent or reduce erosion, sediment and pollutants in storm water discharge from this site.
 - vii. Description of project monitoring and how BMPs will be coordinated with construction activities.
 - viii. Implementation schedule and provisions for amendments to the plan.

2. SWPPP Coordinator and Duties

The City of Moorhead will make Application for General Storm Water Permit for Construction Activity (MN R100001) and be listed as “Owner” for the purposes of permit application. The City will continue that role until the Underground Utilities and Street Paving Projects are complete. During that period “Permit Transfer Modifications” will be submitted to assign “Contractor” responsibilities as co-permittee for the appropriate project work.

Following completion of street paving, installation and acceptance of the grass filter strips adjacent to the curb lines, the City will complete a “Permit Transfer Modification” transferring the “Owner” designation and responsibilities to the Developer during housing construction. At that time, the City and its Contractor’s will no longer be responsible for the permit or best management practices in place.

The City will retain ownership and maintenance responsibility for any sedimentation basins and storm water structures constructed as part of the project.

The responsibility for BMP maintenance of filter strips and inlet protection will be Developer's until the area meets the 70 percent cover requirement of the NPDES permit. The developer will be responsible for informing the individual lot owners/home builders of their responsibility to submit "Subdivision Registration" forms to MPCA and terminating his responsibilities as project owner per the terms of the permit.

A construction site SWPPP Erosion Control (EC) Supervisor will be provided by the respective Underground Utility and Street Paving Contractors during construction activities and until their responsibilities have been transferred or terminated under terms of the MPCA Permit. The EC Supervisor will be identified by name at the pre-construction conference, and a contact cell phone number will be made available. The EC Supervisor will address issues that arise during construction that impact the waters of the State of Minnesota. The Supervisor will notify the proper regulatory officials as listed below:

<u>Agency</u>	<u>Permit</u>	<u>Name</u>	<u>Phone #</u>
State Duty Officer	MPCA		800-422-0798
MPCA Detroit Lakes	MPCA	Joyce Cieluch	218-847-1519
City of Moorhead Project Eng		Thomas Trowbridge	299-9390
City of Moorhead Storm Water		Bob Fogel	979-9513

It will be the responsibility of the respective Contractor's EC Supervisor to implement the SWPPP during construction and maintain a quality control program. This includes BMPs undertaken by previous Contractors as part of the SWPPP. The EC Supervisor will:

- a. Oversee maintenance practices identified as BMPs in the SWPPP.
- b. Implement SWPPP and BMP training for all parties involved in the construction.
- c. Inspect or monitor activities related to the SWPPP as needed.
- d. Identify additional potential sources of pollutants not included in the SWPPP and take appropriate action to add them to the plan.
- e. Ensure that any changes made to construction plans are consistent with the goals of the SWPPP.
- f. To aid in the implementation of the SWPPP, random site visits will occur by the design team as well as an inspector on-site.

3. Facility Description

- a. Site Location

The project is located west of 34th Street and between County Ditch 50 and 8th Avenue North in the SW ¼ of Section 3, Township 139N, Range 48W

Figure 1 (Attached at the end of this document) is a US Quad Map showing the project location.

Figure 2 (Attached at the end of this document) is an area map showing the project location.

b. Construction Type

This is a residential subdivision construction project. Sanitary and storm water sewer systems will be installed. Streets with curb and gutter will be constructed and paved. Homes and driveways will be constructed. A permanent storm water sedimentation pond will be built to treat storm water from the proposed subdivision.

c. Existing Site Conditions

The existing area is former farmland that has been annexed into the City of Moorhead. The area was initially zoned TZ, Transition District, which is intended to provide interim zoning regulations until development occurs. The west 32.4 acres of the NE quarter of the SW quarter of Section 3 was recently rezoned R2 for Single and Two Family Residential development. The adjacent property to the west is zoned R1 for Single Family Housing and consists of the Arbor Park First, Second and Third additions. To the south, there is a strip of TZ and R4 (Multiple Family Residential) zoned property that currently separates Arbor Park from the B3, Mixed Business District along Trunk Highway No. 10 (TH 10). East of Arbor Park Fourth Addition are R2 and TZ districts that are expected to develop as a future addition to Arbor Park. North of the project area is farmland that is currently outside the existing City limits.

According to the Clay County Soil Survey, the predominant soil type in the project area is the Bearden silty clay loam, with smaller areas of Colvin silty clay loam. These soils generally have moderately poor to poor drainage, shallow seasonal high water tables and low strength. For these reasons, they are considered poor material for constructing roads and are unsuitable for full basements. Typically, these soils present a high risk of corrosion to uncoated steel pipe, and a low risk of corrosion to concrete. Soil borings conducted for the construction of the storm water detention pond in Arbor Park 3rd Addition generally confirmed these soil properties.

d. Site Plan

Figure 3 are site plan sheets showing project boundaries, existing roadways, proposed roadways, ditches, storm system inlets, proposed erosion and sediment control measures, and proposed pond location for the 12.57-acre development.

The proposed impervious area of new subdivision is 3.5 acres. The new storm water pond will drain into County Ditch 50, then to the Red River of the North.

Excess topsoils excavated from the proposed project will be placed either between 4th and 5th Avenues just east of the new pond, just southwest of the intersection of 34th Street and 8th Avenue, or on the new housing lots. A silt fence and grass buffer strip and temporary seeding will protect stockpiles. All exposed soils disturbed within 200 feet of any ditch, pond or curb and gutter system will receive temporary or permanent seeding as soon as possible.

e. Storm Water Drainage Characteristics

The property is generally level, with an elevation of approximately 904 feet. Clay County Ditch No. 50 abuts the property on the south side. The previous Arbor Park developments included underground storm sewer improvements with detention ponds that outlet to the County Ditch. The 34th Street North improvements included storm sewer and detention ponds along its corridor to treat storm water from its right-of-way only. The Arbor Park 3rd Addition detention pond was designed with capacity to receive runoff from the proposed development and the remaining development to 34th Street.

As described previously, the Arbor Park Third detention pond improvements provide storm water detention and treatment for a total area of approximately 31 acres. The pond reduces pollutants in storm water runoff and maintains the peak runoff rate during the 100-year storm event. The pond has an outlet to County Ditch No. 50. The pond was designed using the Soil Conservation Service (SCS) TR-55 method with the goal of removing all suspended solids greater than five microns with a settling velocity of 1.3×10^{-4} ft/sec. This is accomplished by limiting the maximum outflow to less than 5.66 cubic feet per second (cfs) for each acre of pond surface area during the water quality event. The water quality event as defined by the NPDES permit is 0.5 inches of runoff from the impervious area. Based on drainage area of 31 acres and 40% impervious surface, this requires that the outflow from the first 0.5 ac-ft of runoff be restricted in accordance with MPCA requirements. The pond includes 2.4 acre-feet of storage volume for the 100-year event. To comply with MPCA criteria, the pond has a permanent pool volume of 1.28 acre-feet (1,800 cubic feet per acre of drainage area), and the outflow resulting from the first ½-inch of runoff is restricted to remove sediments down to a particle size of 0.005 millimeters.

Other drainage improvements will include an underground storm sewer collection system and drainage swales along lot lines as needed. The storm sewer system will be designed using the rational method as outlined in the MnDOT drainage manual for a 3-year design storm event.

Six-inch drain tile will be installed behind the curb on both sides of the street and connected to the storm sewer system. This will protect the streets by removing subsurface moisture, and will provide residents with an underground outlet for sump pumps.

4. Potential Sources of Storm Water Contamination

The purpose of this section is to identify pollutants that could impact storm water during and after construction of this project.

a. Significant Materials Inventory

Pollutants that result from clearing, grading, excavation, road and home building materials and have the potential to be present in storm water runoff are listed in the following table. The table includes information regarding material type, chemical and physical description and specific regulated storm water pollutants associated with each material.

SIGNIFICANT MATERIALS INVENTORY				
Material/Chemical	Physical Description	Storm Water Pollutants	Location	Process for Containment
Pesticides (insecticides, fungicides, herbicides, rodenticides)	Various colored to colorless liquids, powders, pellets or grains	Chlorinated hydrocarbons, organophosphates, carbamates and arsenic	Herbicides used for noxious weed control	Certified applicator
Permanent Seeding Fertilizer	Liquid or solid grains, nitrogen and phosphorus	Nitrogen, phosphorus, organic substrate	Permanent cover - newly seeded areas	Organic base, slow release forms only, tied up in compost
Temporary Seeding Fertilizer	Liquid or solid grains, nitrogen and phosphorus	Nitrogen, phosphorus, organic substrate	Rapid stabilization areas, topsoil berms, stockpiles	Managed application, certified installers, quick cover plant materials
Cleaning Solvents	Colorless, blue or yellow-green liquid	Perchloroethylene, methylene chloride, trichloroethylene, petroleum distillates	No equipment cleaning allowed in project limits	Tarps, monitor weather for rain and wind
Wastewater from construction	Equipment washing rinse water	Water soil, oil, grease and solids	Equipment washing not allowed in project limits	N/A
Asphalt	Black solid	Oil, petroleum distillates	Streets, roofing	Excess material to be removed for project limits
Concrete	White solid	Limestone, sand	Railroad tracks, culverts, curb and gutter, driveways, home foundations, masonry	Designated wash areas or complete haul removal
Glue, adhesives	White or yellow liquid	Polymers, epoxies	Expansion joints, home construction	Empty container management
Gypsum board	White solid or powder	Calcium carbonate	Home construction	Good house keeping during construction
Joint compound, wall and ceiling texture	White-grey paste or powder	Silica, calcium carbonate	Home construction	Good house keeping during construction
Paints	Various colored liquids	Metal oxides, Stoddard solvent, talc calcium carbonate, arsenic	Roadway striping, home construction	Empty container management
Curing compounds	Creamy white liquid	Naphtha	Curb and gutter	Follow manufacturers recommendations
Wood preservatives	Clear amber or dark brown liquids	Stoddard solvent, petroleum distillates, arsenic, copper, chromium	Timber pads, railroad tracks, home construction	Oil absorbing diapers, trained personnel

SIGNIFICANT MATERIALS INVENTORY CONTINUED				
Material/Chemical	Physical Description	Storm Water Pollutants	Location	Process for Containment
Hydraulic oil/fluids	Brown oily petroleum hydrocarbon	Mineral oil	Random leaks broken hoses	Oil absorbing diapers, trained personnel
Gasoline	Colorless pale brown or pink liquids	Petroleum hydrocarbon, benzene, ethyl benzene, toluene, xylene, MTBE	Secondary containment	Oil absorbing diapers, trained personnel
Diesel fuel	Clear blue-green to yellow liquids	Petroleum distillates, oil & grease, naphthalene, xylene	Secondary containment	Oil absorbing diapers, trained personnel
Kerosene	Pale yellow liquid petroleum hydrocarbon	Coal oil, petroleum distillates	Secondary containment	Oil absorbing diapers, trained personnel
Anti-freeze/coolant	Clear green/yellow liquids	Ethylene glycol, propylene glycol	Random leaks and broken hoses	Trained personnel
Soil erosion	Solid particles	Soil, sediment	Project limits	Prevention and Stabilization measures within prescribed periods

b. Potential Locations for Storm Water Contamination

The following areas were identified and evaluated as potential sources of storm water contamination:

- a. Storm System Inlets
- b. Curb & Gutter
- c. Access Roads
- d. Adjacent Agricultural Land
- e. Material Storage
- f. Individual Home Construction Lots
- g. Construction Soil Stock Piles

5. Storm Water Pollution Prevention Controls

The purpose of this section is to identify the types of temporary and permanent erosion and sediment controls that will be used for this project. The following controls will provide soil stabilization for disturbed areas and structural controls to prevent erosion, divert runoff and remove sediment.

a. Temporary Erosion and Sediment Control During Underground Utility Installation Phase

A tabulated list of stabilization procedures has been developed and locations where they are needed are shown on the project plan sheets “Erosion and Pollution Control Plan (Sheet 3)”, “Storm Sewer” (Sheet 9), “Erosion Control Detail Sheet (Sheet 16)” and “Storm Sewer Detail Sheet (Sheet 15)”. Specifically the Contractor will provide the following:

- Prior to work commencing on the project, a rock construction entrance will be installed at the intersection of 34th Street North and 8th Avenue.
- Haul routes during construction are restricted to those shown on Page 4 of the Plan Sheets for Underground Utilities.

- At the beginning of project activity the Contractor will install silt fence on 4th and 7th Avenues at the boundary of the Arbor Park 3rd Addition.
- At the same time silt fence will be installed at the intersection of 7th Avenue North and 33rd Street.
- Prior to installing storm water outlet into the existing pond, a temporary dike will be constructed to protect the excavation from storm water surge in the pond (where shown on Page 9 of the Plan Sheets).
- Prior to topsoil being moved to the temporary and permanent stockpile areas, each area shall have a silt fence installed encircling the stockpile. Note the temporary topsoil stockpile will not need protection if the material will be stored for less than 7 days.
- A grass filter strip will also be seeded around the permanent topsoil stockpile.
- All storm sewer inlets will receive Type A or B inlet protection.
- All storm water pond inlets and outlets will receive riprap.
- As shown on the project plans all swales and rear-yard inlets will be seeded and mulched appropriately.

b. Temporary Erosion and Sediment Control During Curb, Gutter, Paving and Grading Phase

A tabulated list of stabilization procedures has been developed and locations where they are needed are shown on the project plan sheets “Erosion and Pollution Control Plan (Sheet 3)”, “Erosion Control Detail Sheet (Sheet 12)”. In addition the measures listed above in Temporary Erosion and Sediment Control During Underground Utility Installation Phase must also be maintained during this phase of the project. During this phase of the project additional erosion and sediment control measures will be required as follows:

- Haul routes during construction are restricted to those shown on Page 2 of the Plan Sheets for Paving Plan.
- A concrete truck washout area must be prepared, signed and enforced southeast of the intersection of 33rd Street North and 8th Avenue, as described on the plan sheets.
- After curbs are installed catch basin inlets within the curb lines will receive Type C inlet protection. Until that time Type A or B inlet protection must be maintained.
- Maintain rear-yard inlet protection during grading and seeding operations.
- Haul routes shall be swept at least once per week during construction.
- The temporary topsoil stockpile shall be used before the permanent topsoil stockpile is used.
- Daily removal of tracked sediments is required from 34th Street adjacent to the construction entrance.

- After paving is completed, rear-yards and boulevard right-of-ways shall be seeded, mulched or receive fiber blankets per specifications and plan sheets.

c. Temporary Erosion and Sediment Control During Home Building Phase

During the home building phase the Developer and Lot Owner/Contractor have responsibility to maintain any erosion and sediment control measures put in place during previous phases. In addition they must comply with the Single Family Residential Construction Erosion/Sediment Control Standards by doing the following:

- Install construction fencing to protect the boulevard right-of-way area that has been seeded.
- If the above area has been disturbed or is absent of grass, a silt fence or wattle (sediment logs) and the above construction fencing must be installed along the curb line.
- A construction entrance must be installed and maintained throughout the home building phase, or until the driveway is installed if the construction entrance is located where the driveway will be installed.
- Soil stockpiles must receive either silt fence or wattles (sediment logs) to capture erosion and sediment runoff.
- If storm water drains from the lot under construction onto adjacent property, then the lot perimeter must receive silt fence or wattles (sediment logs) to capture any sediments eroding from the construction site.
- During home building good house keeping measures must be implemented to keep garbage, building materials and any hazardous substances from leaving the construction site.
- At the time of final grading for lawn installation the boulevard right-of-way must received approved erosion and sediment controls within 5 days of completing grading work.

The following soil exposure condition table* will be used during all phases of construction, including stockpiles of clay and topsoil:

Type or Condition of Slope	Areas of Inactivity --Working Days Until Area Must be Stabilized
Steeper than 3:1	7 days
10:1 to 3:1	14 days
Flatter than 10:1	21 days
Ditch within 100 feet of “Water of the State”	Begin within 24 hours of ditch connection to “Water of the State” – stabilization must be completed within 5 working days

* This is the maximum time that an area within 200 feet of a “Water of the State” can remain exposed without a vegetative cover. The term “Waters of the State” also includes curbs, gutters, storm system inlets and temporary or permanent ditches that are directly connected to a “Water of the State”. The above as defined by MN NPDES/SDS General Storm Water Permit for Construction Activity MN R100001.

Site Control Measures and Best Management Practices for all phases of construction:

1. Keep excavation and soil disturbing activities such as grading to a minimum.
2. Install silt fence or wattles (sediment logs) around all clay and topsoil stockpiles.
3. Retain existing vegetation when possible.
4. Silt fences and wattles (sediment logs) need to be cleaned, replaced or supplemented when they reach 1/3 capacity (1/3 of height). These actions must occur within 24 hours of discovery or as soon as field conditions allow access to the site.
5. Maintain construction entrances so that sediments are not tracked onto streets. Sweep any sediment tracked onto streets within 24 hours of discovery. This includes construction entrances to individual lots where home building is underway. Sweepers that “fling” material into the air rather picking up material will not be allowed.
6. Have materials on-site to contain and cleanup any contaminants leaked onto the ground during construction.
7. Cover or store materials (particularly fuels) so that they are not at risk to contaminate the project area during rainfall or storm water flow.
8. Water will be used for dust control on this project.
9. Good housekeeping measures are to be implemented to eliminate materials, materials packaging and other litter from leaving the project area. This is especially important during home construction.
10. Inlet protection will remain in place until 70 percent of the lots are sold and stabilized. Care will be taken to avoid disturbing protected inlets.
11. Grass filter strips will be maintained adjacent to the curb line on all undeveloped lots.
12. Care will be taken to avoid disturbing BMPs in place such as silt fence or grass filter strips along curb lines during home construction. A single rocked or gravel construction entrance will be designated and maintained into each lot under construction.
13. De-watering of trenches or basins must be done in a manner that does not cause erosion, scour or deposit sediment in curbs, gutters, storm system inlets and temporary or permanent ditches that are directly connected to a “Water of the State”. The discharge must be dispersed over rock riprap, sand bags, plastic sheeting or other accepted energy dissipating measures. Use of a temporary sediment basin is preferred.

14. Specify and allow concrete truck washout only in designated area.

d. Permanent Erosion Control

A permanent sediment control pond will be used to meet water quantity and quality standards. All lots will be vegetated with permanent cover as homes are built and sold to residents.

e. Coordination of Best Management Practices (BMPs) During Construction

Structural BMPs will be coordinated with construction activities so that BMPs are in place prior to soil disruption. The following BMPs will be coordinated with construction activity.

- i. Silt fence or wattles (sediment logs) around the soil stockpiles will be installed prior to stockpiling material with seeding of the grass filter strip completed immediately following completion of stockpiling.
- ii. Access roads will be stabilized prior to construction to prevent tracking sediment from the project area.
- iii. Inlets will be protected per specifications as they are constructed. Existing inlets will be protected prior to disruption of any soil in the project area.
- iv. All BMPs will be maintained in place until the project area is stabilized.
- v. Once grading in an area has ceased, temporary or permanent stabilization/seeding will occur per the timetable outlined above.
- vi. The pond slopes shall be covered with erosion control mats immediately following seeding.
- vii. Any ditch bottoms created or disturbed are to be seeded followed by sediment logs and erosion control fabric within 24 hours of grading completion.

f. Certification of Compliance with Federal and State Regulations

This SWPPP reflects the requirements of NPDES for storm water management and erosion and sediment control for construction. To ensure compliance, this plan was prepared in accordance with the University of Minnesota Design Training Certification Program, MnDOT specifications used in the project plans and specifications and the Memorandum of Understanding between MnDOT and MPCA.

6. Maintenance of BMPs and Inspection Procedures

a. Inspections

Visual inspection of all cleared and graded areas within the project site will be performed daily. Inspections will also be performed within 24 hours after a rainfall event greater than 0.5 inches.

Formal written inspections will be performed weekly in accordance with the NPDES permit on the form provided by the Owner. The EC Supervisor or his/her documented designated storm water team members will conduct the weekly inspections. **Copies of the written weekly inspections must be submitted along with the monthly pay request. No payments will be made without submitting copies of the inspection records.**

Records of each inspection and maintenance activity shall include:

- a. Date and time of inspection.
- b. Name of person conducting inspection.
- c. Findings of inspections, including recommendations for corrective actions.
- d. Corrective actions undertaken (including dates, times and party completing maintenance activity).
- e. Date and amount of all rainfall amounts greater than 0.5 inches in 24 hours.
- f. If construction activities or design modifications are made to the site plan, which could impact storm water, this SWPPP will be amended appropriately. The amended SWPPP will have a description of the new activities that contribute to the increased pollutant loading and the planned source control measures.
- g. Where parts of the project area have undergone final stabilization, those parts may have inspections reduced to once per month. Areas not yet stabilized will still need weekly inspection.
- h. Where work has been suspended due to frozen ground the required inspections and maintenance must take place as soon as runoff occurs at the site or prior to resuming construction, whichever comes first.
- i. Erosion prevention and sedimentation control BMPs implemented on this project must be inspected to ensure integrity and effectiveness.

b. BMP Maintenance

Each respective Contractor is responsible for maintaining all BMPs during construction of underground utilities and installation of curb, gutter and paving. The appropriate Contractor is responsible for establishment and maintenance of stabilized grass filter strips adjacent to curb lines as outlined in the particular project plans & specifications and meeting the requirements of the NPDES permit.

At the end of curb, gutter and paving construction the Contractor is responsible for cleaning the pond of construction sediment to the design specifications. Once the pond has vegetative cover established on the slopes and is accepted the Owner, the City will maintain the permanent pond.

After grass filter strips installed adjacent to the curb lines have been established and accepted by the City, the City will complete a "Permit

Transfer Modification” transferring the “Owner and Contractor” designation and responsibilities to the Developer during housing construction. The City will at that time end the responsibility of the City and its Contractors regarding the project area. The City will retain ownership and maintenance responsibility for any sedimentation basins and storm water structures constructed as part of the project.

The responsibility for BMP maintenance of filter strips and inlet protection will be Developer’s until the area meets the 70 percent cover requirement of the NPDES permit. The Developer will bury or remove accumulated concrete at the concrete truck wash out site at the end of home construction activity and restore the wash out area. The developer will be responsible for informing the individual lot owners/home builders of their responsibility to submit “Subdivision Registration” forms to MPCA and terminating his responsibilities as project owner per the terms of the permit (after all the lots are sold).