



JEFFERSON COUNTY
DEPARTMENT OF COMMUNITY DEVELOPMENT

621 Sheridan Street • Port Townsend • Washington 98368
 360/379-4450 • 360/379-4451 Fax
<http://www.co.jefferson.wa.us/commdevelopment/>

Stormwater Calculation Worksheet

MLA # _____ PROJECT/APPLICANT NAME: New Shine Quarry / IMQ

DETERMINING STORMWATER MANAGEMENT REQUIREMENTS: This stormwater calculation worksheet should be completed first to classify the proposal as "small," "medium," or "large." The size determines whether a Stormwater Site Plan is required in conjunction with a stand-alone stormwater management permit application, building permit application, or other land use approval application that involves stormwater review. The basic information will also be helpful for completing a Stormwater Site Plan, if required.

PARCEL SIZE (I.E., SITE)

Size of parcel 142 acres An acre contains 43,560 square feet. Multiply the acreage by this figure.

Size of parcel in square feet 6,192,530[±] sq/ft

Land-disturbing activity is any activity that results in movement of earth, or a change in the existing soil cover (both vegetative and non-vegetative) and/or the existing soil topography. Land disturbing activities include, but are not limited to clearing, grading, filling, excavation, and compaction associated with stabilization of structures and road construction.

Native vegetation is vegetation comprised on plant species, other than noxious weeds, that are indigenous to the coastal region of the Pacific Northwest and which reasonably could have been expected to naturally occur on the site. Examples include species such as Douglas fir, western hemlock, western red cedar, alder, big-leaf maple, and vine maple; shrubs such as willow, elderberry, salmonberry, and salal; herbaceous plants such as sword fern, foam flower, and fireweed.

LAND DISTURBING ACTIVITY, CONVERSION OF NATIVE VEGETATION, AND VOLUME OF CUT/FILL

<p>Calculate the total area to be cleared, graded, filled, excavated, and/or compacted for proposed development project. Include in this calculation the area to be cleared for:</p> <p>Construction site for structures _____ sq/ft</p> <p>Drainfield, septic tank, etc. _____ sq/ft</p> <p>Well, utilities, etc. _____ sq/ft</p> <p>Driveway, parking, roads, etc. _____ sq/ft</p> <p>Lawn, landscaping, etc. _____ sq/ft</p> <p>Other compacted surface, etc. _____ sq/ft</p> <p>Total Land Disturbance <u>~ 77 acres</u> sq/ft</p>	<p>Answer the following two questions related to conversion of native vegetation:</p> <p>Does the project convert ¼ acres or more of native vegetation to lawn or landscaped areas?</p> <p>Circle: Yes <u>No</u></p> <p>Does the project convert 2 ½ acres or more of native vegetation to pasture?</p> <p>Circle: Yes <u>No</u></p> <p>Indicate Total Volumes of Proposed:</p> <p><u>Cut 6.8 m³ ft. ±</u> <u>Fill 148,000 ±</u> (cu/yd)</p> <p><u>(Includes Mined Rock)</u></p>
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[over]

Impervious surface is a hard surface that either prevents or retards the entry of water into the soil mantle as under natural conditions prior to development. A hard surface area which causes water to run off the surface in greater quantities or at an increased rate of flow from the flow present under natural conditions prior to development. Common impervious surfaces include, but are not limited to roof tops, walkways, patios, driveways, parking lots or storage areas, concrete or asphalt paving, gravel roads, packed earthen materials, and oiled, macadam or other surfaces which similarly impede the natural infiltration of stormwater.

STORMWATER CALCULATIONS – IMPERVIOUS SURFACE					
<u>NEW</u>			<u>EXISTING</u>		
Structures (all roof area)	_____	sq/ft	Structures (all roof area)	_____	sq/ft
Sidewalks	_____	sq/ft	Sidewalks	_____	sq/ft
Patios	_____	sq/ft	Patios	_____	sq/ft
Solid Decks (without infiltration below)	_____	sq/ft	Solid Decks (without infiltration below)	_____	sq/ft
Driveway, parking, roads, etc	_____	sq/ft	Driveway, parking, roads, etc	_____	sq/ft
Other <i>Mining Facilities</i>	<u>25,000 ±</u>	sq/ft	Other	_____	sq/ft
Total New	_____	sq/ft	Total Existing	<u>0</u>	sq/ft
TOTAL NEW + TOTAL EXISTING*		<u>25,000</u>	sq/ft		

*This amount will be used to check total lot coverage.

The following questions will help determine whether the proposed project is considered **development** or **redevelopment**.


DEVELOPMENT v. REDEVELOPMENT	
Divide the total <u>existing</u> impervious surface above by the size of the parcel and convert to a percentage:	_____ <u>0</u> %
Does the site have 35% or more of <u>existing</u> impervious surface?	Circle: Yes <u>No</u>

FURTHER INSTRUCTIONS: If the answer is yes, the proposal is considered **redevelopment** and the attached **Figure 2** should be used to determine the applicable Minimum Requirements. If the answer is no, the proposal is considered **new development** and the attached **Figure 1** should be used. At this juncture, the applicant should refer to the applicable Flow Chart to determine the Minimum Requirements for stormwater management. DCD staff will help verify the classification of the project and the application requirements.

For proponents of "small" projects who must comply only with Minimum Requirement #2—Construction Stormwater Pollution Prevention—an additional submittal is not required. The proponent is responsible for employing the 12 Elements to control erosion and prevent sediment and other pollutants from leaving the site during the construction phase of the project. Pick up the **Construction Stormwater Pollution Prevention (SWPP) Best Management Practices (BMPs) Packet**. Proponents of "medium" projects—those that must meet only Minimum Requirements #1 through #5—and for "large" projects—those that must meet all 10 Minimum Requirements—are required to submit a Stormwater Site Plan. DCD has prepared a submittal template of a Stormwater Site Plan, principally for rural residential projects. Complete the template in the **Stormwater Site Plan Instructions and Submittal Template** or prepare a Stormwater Site Plan using the step-by-step guidance in the *Stormwater Management Manual*.

APPLICANT SIGNATURE

By signing the Stormwater Calculation Worksheet, I as the applicant/owner attest that the information provided herein is true and correct to the best of my knowledge. I also certify that this application is being made with the full knowledge and consent of all owners of the affected property.


2/22/10
(DATE)

(LANDOWNER OR AUTHORIZED REPRESENTATIVE SIGNATURE)





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STORMWATER SITE PLAN SUBMITTAL TEMPLATE

MLA #

PROJECT/APPLICANT NAME: **New Shine Quarry / IMQ**

Please answer all of the following questions to the best of your ability. Where the question calls for depiction on a site map, the applicant may choose to either incorporate the elements into the general plot plan for the Master Land Use Application or to submit a separate stormwater site plan map.

Project Overview

1. Describe the proposed developed conditions of the site. Indicate position and relative size of proposed improvements on the site map.

The Applicant proposes to conduct mining in three phases, beginning in 2010. The first phase (Phase 1A) will include establishing the primary and secondary processing and stockpile areas, storm water control ponds, a maintenance building & yard, and mining of the southeast portion of the site from existing grade to a minimum elevation of 155. Mining for Phase 1A is expected to last approximately 10 years. The second phase (Phase 1B) will be to mine the southwestern portion of the site, to the north of the secondary processing area, down to a minimum elevation of 217. The third phase (Phase 2) will be to expand the Phase 1A area to the north, advancing generally from south to north. The overall life of the mine is expected to be approximately 40 years.

Existing Conditions Summary

2. Describe the existing topography. Indicate contours on the site map.

The existing site is rolling / hilly / steep with maximum slopes approaching 60%. The site slopes down generally from north to south. Refer to the geotechnical information prepared for this site.

3. Describe the existing vegetation. Indicate native vegetation areas on the site map.

The existing site is generally forested. Refer to the SEPA Checklist for additional information.

4. Describe the existing soils. Indicate soil type on the site map.

The area to be mined is mantled by a thin layer of soils underlain by Tertiary Eocene Volcanic basalt bedrock deposits. These different soil types include Mukilteo peat (wetland and seismic hazard areas), Olete very gravelly silt loam (0-30% slopes), Olete very gravelly silt loam (30-50% slopes), and Olete-Alderwood complex (0-30% slopes). Refer to the geotechnical information prepared for this site.

5. Describe the existing site hydrology (i.e., drainage; behavior of water on the site—above, below, and on the ground). Indicate existing stormwater drainage to and from the site on the site map. Depict separate drainage basins on the site map, if applicable, and indicate acreage of each.

Under existing conditions, the drainage for this site consists of overland and subsurface flow from the forested areas to the wetland areas. There are no existing man-made drainage features on the project site except the minor elements added with the forest roads. There is an existing offsite ditch along the eastern side of the main access road serving this site which collects runoff from the project site, the access road and the existing Shine Quarry to the northwest of the project site.

6. Describe any excess levels of noise generated by the proposed use or activity:

The types and levels of noise created by the mineral resource operations include noise from material loading and processing, vehicle traffic, and occasional blasting. The noise levels will be similar to those of the adjacent mining operations. Given the distance from the mine and residential receptors, all noise standards are expected to be met. Refer to the AMEC Noise Study.

7. Describe significant geographic features and critical areas (i.e., environmentally sensitive areas such as wetlands, streams, steep slopes, etc.) on the site. Indicate location on the site map.

There are two streams on site, one that crosses the southeast corner of the site and one that crosses the southwest corner. The southeast stream is a perennial stream that has associated wetlands and discharges into Squamish Harbor. The stream that crosses the southwest corner originates in headwater forested wetlands offsite and has intermittent flow. It is tributary to the perennial stream that discharges to Squamish Harbor. There are also a number of natural wetlands located on and around the project site. Refer to the separate wetland report prepared by Environ Environmental Corporation for additional information.

8. Describe the general vicinity of the site, including adjacent land uses and structures, utilities, roads, and sensitive/critical areas (streams, wetlands, lakes, steep slopes, etc.).

The project site is located approximately 3 miles west of the town of Shine, to the north of State Route 104 and to the east & southeast of the existing Shine Quarry. The subject property is surrounded on three sides by other properties that are also designated Commercial Forest. The land immediately to the west is currently subject to a MRLO and includes an active mineral resource operation. The northeast corner of the property adjoins property designated/zoned Rural Residential (RR 1:20). That property, however, is also owned by Pope Resources and is operated as commercial forest. The nearest known residence is more than a mile from the subject site.

Permanent Stormwater Control Plan

This portion of the Stormwater Site Plan consists of the selection and installation of the appropriate stormwater control BMPs and facilities to remain in place after construction of the project is completed.

“Medium” size projects are required to have the totals calculated of all impervious surfaces, pollution-generating impervious surfaces, and pollution-generating pervious surfaces to verify that the thresholds for treatment facilities and flow control facilities are not exceeded.

9. Describe the developed site hydrology, as proposed. Indicate whether stormwater will be fully dispersed (i.e., per BMP T5.30 in the Manual) or, if not, what types of stormwater flow control will be utilized for the site or specific threshold discharge areas within the site. Locate these facilities on the site plan and differentiate proposed facilities from existing facilities.

Four (4) separate storm water ponds will be constructed to provide flow control and water quality treatment for the project site. Each of these storm water ponds will discharge to dispersion trenches which will be used to spread the flow before draining into the existing wetland areas. During the mining operations, ditches and berms will be used to collect the onsite runoff and direct it into one of these four (4) ponds. The ditch & berm locations will change based on the mining conditions, but runoff will generally be directed to the center of the floor areas. The runoff from the maintenance yard area will be collected separately and will be treated with an oil/water separator before discharging to the downstream system. Berms will be installed at the downsloped edge of the maintenance yard area to direct the runoff to the oil/water separator. Refer to the 24x36 plan set titled, "IMQ Shine Quarry", prepared by Layton & Sell, dated Feb. 22, 2010.

10. If the project requires the use of stormwater treatment facilities, describe the types of stormwater treatment facilities proposed for use on the site. Locate these facilities on the site plan and differentiate proposed facilities from existing facilities. [This is normally for "large" projects or projects that involve the potential for dispersion of contaminants.]

See response to question #9.

11. Describe the performance goals and standards applicable to the project.

Refer to the drainage control report titled, "Shine Quarry Phase 1A – Drainage Control Report" prepared by Layton & Sell, dated Feb. 22, 2010.

12. Describe the flow control system.

Storm water ponds & dispersion trenches will be used to provide flow control. See response to #11.

13. Describe the water quality system.

Storm water ponds will be used to provide water quality. See response to #11.

14. Describe the conveyance system analysis and design.

Refer to the drainage control report titled, "Shine Quarry Phase 1A – Drainage Control Report" prepared by Layton & Sell, dated Feb. 22, 2010.

15. Describe the source of fill material, physical characteristics of fill material, and deposition of excess material.

Off-site fill material is not proposed to be brought to the site and no excess cut material is proposed to leave the site except for the rock material generated by the mining operations.

16. Proposed methods of placement and compaction consistent with the applicable standards on Appendix Chapter 33 of the Uniform Building Code.

Conformance to the International Building Code is proposed.

17. Describe the proposed surfacing material.

The only surfacing material proposed is asphalt concrete which is to be used on the main access roadway.

18. Describe methods for restoration of the site.

The proposed project is a rock mine. Erosion control measures will be in place during the mining operations and a restoration plan will be generated at the end of the mining operations as required by the mining permits.

19. An Operation and Maintenance Manual is required for each flow control and treatment facility. [This is normally required for "large" projects only and only those for which facilities are required to control flow or treat runoff.] If included, list the Manuals here.

Refer to section 6.0 of the drainage control report titled, "Shine Quarry Phase 1A – Drainage Control Report" prepared by Layton & Sell, dated Feb. 22, 2010.

20. List here and include any special reports or studies conducted to prepare the Stormwater Site Plan.

Refer to the SEPA Checklist for this project.

21. List other necessary permits and approvals as required by other regulatory agencies. If those permits or approvals include conditions that affect the drainage plan or contain more restrictive drainage-related requirements, describe those conditions or restrictions here.

Refer to the SEPA Checklist for this project.

CONSTRUCTION STORMWATER POLLUTION PREVENTION PLAN (SWPPP)

The Construction SWPPP addresses sediment and erosion control during construction. The BMPs indicated by the applicant in the template that follows must be installed on the ground during all construction phases of the project. The proponent is responsible for preventing sediment and erosion impacts to environmentally sensitive areas and off-site areas. Consult the **Construction Stormwater Pollution Prevention (SWPP) Best Management Practices (BMPs) Packet** for guidance, particularly with rural residential development.

SECTION I – CONSTRUCTION SWPPP NARRATIVE

1. **Construction Stormwater Pollution Plan Elements.** Describe how each of the Construction SWPPP elements has been or will be addressed. Identify the type and location of BMPs used to satisfy the required element. If an element is not applicable to the proposal, justify in writing. Descriptions of the 12 Elements are found at section 2.5.2 of the Manual (beginning on page 2-15).

12 Required Elements – Construction SWPPP

1. Mark Clearing Limits.

The clearing limits are intended to be kept within the limits indicated on the 24x36 plan set titled, "IMQ Shine Quarry", prepared by Layton & Sell, dated Feb. 22, 2010.

2. Establish Construction Access.

A construction entrance is to be used until the main access roadway is constructed. Refer to the 24x36 plan set titled, "IMQ Shine Quarry", prepared by Layton & Sell, dated Feb. 22, 2010.

3. Control Flow Rates.

Storm water ponds will be used to control flow rates. Refer to the 24x36 plan set titled, "IMQ Shine Quarry", prepared by Layton & Sell, dated Feb. 22, 2010.

4. Install Sediment Controls.

Storm water ponds will be used to control sediment. Refer to the 24x36 plan set titled, "IMQ Shine Quarry", prepared by Layton & Sell, dated Feb. 22, 2010.

5. Stabilize Soils.

Soil removal and stockpiling will be done in a manner that minimizes the potential for erosion. Standard practice for soil stabilization (seeding, straw mulch, etc.) are proposed. Refer to the 24x36 plan set titled, "IMQ Shine Quarry", prepared by Layton & Sell, dated Feb. 22, 2010.

6. Protect Slopes.

Ditches or berms are proposed at the tops of the steep slopes to collect storm water and prevent it from running down the slope. Refer to the 24x36 plan set titled, "IMQ Shine Quarry", prepared by Layton & Sell, dated Feb. 22, 2010.

7. Protect Drain Inlets.

There are no onsite drain inlets that will collect direct runoff from the site. Refer to the 24x36 plan set titled, "IMQ Shine Quarry", prepared by Layton & Sell, dated Feb. 22, 2010.

8. Stabilize Channels and Outlets.

Rip rap is proposed to be used to stabilize outlets where needed. Refer to the 24x36 plan set titled, "IMQ Shine Quarry", prepared by Layton & Sell, dated Feb. 22, 2010.

9. Control Pollutants.

The runoff from the maintenance yard area will be collected separately and will be treated with an oil/water separator before discharging to the downstream system. Refer to the 24x36 plan set titled, "IMQ Shine Quarry", prepared by Layton & Sell, dated Feb. 22, 2010.

10. Control De-Watering (the act of pumping groundwater or stormwater away from an active construction site).

Dewatering should not be required for this project. Refer to the 24x36 plan set titled, "IMQ Shine Quarry", prepared by Layton & Sell, dated Feb. 22, 2010.

11. Maintain Best Management Practices (BMPs).

Regular maintenance of the erosion control measures is proposed. A maintenance manual is included in the drainage control report for this site.

12. Manage the Project.

IMQ will be responsible for managing the project, maintaining the storm water facilities and keeping in conformance with the applicable requirements for drainage control and the mining operations.

2. Adjacent Areas.

a. Description of the adjacent areas that may be affected by site disturbance (e.g., streams, lakes, wetlands, residential areas, roads).

The subject property is surrounded on three sides by other properties that are also designated Commercial Forest. The land immediately to the west is currently subject to a MRLO and includes an active mineral resource operation. The northeast corner of the property adjoins property designated / zoned Rural Residential (RR 1:20). That property, however, is also owned by Pope Resources and is operated as commercial forest. The nearest known residence is more than a mile from the subject site.

There are two streams on site, one that crosses the southeast corner of the site and one that crosses the southwest corner. The southeast stream is a perennial stream that has associated wetlands and discharges into Squamish Harbor. The stream that crosses the southwest corner originates in headwater forested wetlands offsite and has intermittent flow. It is tributary to the perennial stream that discharges to Squamish Harbor. There are also a number of natural wetlands located on and around the project site. Refer to the separate wetland report prepared by Environ Environmental Corporation for additional information.

b. Description of the downstream drainage path leading from the site to the receiving body of water (minimum distance of 400 yards).

Under existing and developed conditions the site area will drain to the existing wetlands to the south of the site. These wetlands contribute flow to the perennial and intermittent streams downstream of the site. Refer to the response to Question 2a (above).

3. Environmentally Sensitive Areas.

a. Description of environmentally sensitive areas that are on or adjacent to the site.

There are existing wetlands and streams on & near the site. Refer to the separate wetland report prepared by Environ Environmental Corporation for additional information.

b. Description of special requirements for working in or near environmentally sensitive areas.

Refer to the separate wetland report prepared by Environ Environmental Corporation for additional information.

4. **Erosion Problem Areas.** Description of potential erosion problems on site in the context of the characteristics of the on-site soils (e.g., erodibility, settleability, permeability, depth, texture, soil structure).
Refer to the separately prepared geotechnical reports.

5. **Construction Phasing.**

a. Construction sequence

The storm water system will be installed at the beginning of construction, the mining facilities will be established and mining operations will begin in conformance to applicable regulatory requirements.

b. Construction phasing (if proposed)

The Applicant proposes to conduct mining in three phases, beginning in 2010. The first phase (Phase 1A) will include establishing the primary and secondary processing and stockpile areas, storm water control ponds, a maintenance building & yard, and mining of the southeast portion of the site from existing grade to a minimum elevation of 155. The second phase (Phase 1B) will be to mine the southwestern portion of the site, to the north of the secondary processing area, down to a minimum elevation of 217. The third phase (Phase 2) will be to expand the Phase 1A area to the north, advancing generally from south to north. The overall life of the mine is expected to be approximately 40 years.

6. **Construction Schedule.** Wet season is October 1 through April 30 (page 2-21 of the Manual).

I. Provide a proposed construction schedule.

The mine will generally operate five days per week with occasional Saturday operations. The hours of operation will generally be from 6:30AM to 4:30PM. The hours of physical operations, including mining and processing will be from 7:30-3:30, or as daylight allows. The mine could produce as much as 400,000 tons per year with volume in the winter months between 8,000 and 16,000 tons per month, and during the summer between 26,000 and 52,000 tons per month.

II. Wet Season Construction Activities.

a. Proposed wet season construction activities.

Mining will continue through the winter months.

b. Proposed wet season construction activities for environmentally sensitive areas.

Iron Mountain Quarry will be responsible for monitoring the environmentally sensitive areas during the wet and dry seasons.

7. **Financial/Ownership Responsibilities.**

a. Identify the property owner responsible for the initiation of bonds and/or other financial securities.

Iron Mountain Quarry

b. Describe bonds and/or other evidence of financial responsibility for liability associated with erosion and sedimentation impacts.

Unknown

8. **Engineering Calculations.** Provide Design Calculations on a separate sheet for the following, if applicable.

a. Sediment Ponds/Traps.

b. Diversions.

c. Waterways.

d. Runoff/Stormwater Detention Calculations

Refer to the drainage control report titled, "Shine Quarry Phase 1A – Drainage Control Report" prepared by Layton & Sell, dated Feb. 22, 2010.

SECTION II – EROSION AND SEDIMENT CONTROL PLAN

Sediment and erosion control measures may be depicted on the master land use application plot plan, a stormwater site plan, and/or a separate Construction SWPPP site plan. This is a checklist to ensure that the following are depicted on a site plan:

1. **General.**
 - a. Vicinity Map
 - b. Jefferson County Approval Block
 - c. Erosion and Sediment Control Notes

2. **Site Plan.**
 - a. Legal description of subject property.
 - b. North arrow.
 - c. Indicate boundaries of existing vegetation (e.g., tree lines, pasture areas, etc.).
 - d. Identify and label areas of potential erosion problems.
 - e. Identify FEMA base flood boundaries and Shoreline Management boundaries (if applicable).
 - f. Show existing and proposed contours.
 - g. Indicate drainage basins and direction of flow for individual drainage areas.
 - h. Label final grade contours and identify developed condition drainage basins.
 - i. Delineate areas that are to be cleared and graded.
 - j. Show all cut and fill slopes indicating top and bottom of slope catch lines.

3. **Conveyance Systems.**
 - a. Designate locations for swales, interceptor trenches, or ditches.
 - b. Show all temporary and permanent drainage pipes, ditches, or cut-off trenches required for erosion & sediment control.
 - c. Provide minimum slope and cover for all temporary pipes or call out pipe inverts.
 - d. Shows grades, dimensions, and direction of flow in all ditches, swales, culverts and pipes.
 - e. Provide details for bypassing off-site runoff around disturbed areas.
 - f. Indicate locations and outlets of any dewatering systems.

4. **Location of Detention Best Management Practices (BMPs).** Identify location of detention BMPs.

5. **Erosion and Sediment Control Facilities.**
 - a. Show the locations of sediment trap(s), pond(s), pipes and structures.
 - b. Dimension pond berm widths and inside and outside pond slopes.
 - c. Indicate the trap/pond storage required and the depth, length, and width dimensions.
 - d. Provide typical section views through pond and outlet structure.
 - e. Provide typical details of gravel cone and standpipe, and/or other filtering devices.
 - f. Detail stabilization techniques for outlet/inlet.
 - g. Detail control/restrictor device location and details.
 - h. Specify mulch and/or recommended cover of berms and slopes.
 - i. Provide rock specifications and detail for rock check dam(s), if applicable.
 - j. Specify spacing for rock check dams as required.
 - k. Provide front and side sections of typical rock check dams.
 - l. Indicate the locations and provide details and specifications for silt fabric.
 - m. Locate the construction entrance and provide a detail.

6. **Detailed Drawings.** Any structural practices used that are not referenced in the Ecology Manual should be explained and illustrated with detailed drawings.

7. **Other Pollutant BMPs.** Indicate on the site plan the locations of BMPs to be used for the control of pollutants other than sediment (e.g., concrete wash water).
8. **Monitoring Locations.** Indicate on the site plan the water quality sampling locations to be used for monitoring water quality on the construction site. Sampling stations should be located upstream and downstream of the project site.

Stormwater Site Plan Changes

If the designer wishes to make changes or revisions to the originally approved Stormwater Site Plan, the proposed revisions shall be submitted to DCD prior to construction. The submittal shall include substitute pages that include all proposed changes, revised drawings showing any structural changes, and any other supporting information that explains and supports the reason for the change.

Final Corrected Plan Submittal

If the project included construction of conveyance systems, treatment facilities, flow control facilities, or structural source control BMPs (not standard on-site stormwater management BMPs), the applicant shall submit a final corrected plan ("as-builts") when the project is completed. These should be engineering drawings (stamped by a licensed civil engineer) that accurately represent the project as constructed.

APPLICANT SIGNATURE

By signing the Construction SWPPP worksheet, I as the applicant/owner attest that the information provided herein is true and correct to the best of my knowledge. I also certify that this application is being made with the full knowledge and consent of all owners of the affected property.



(LANDOWNER OR AUTHORIZED REPRESENTATIVE SIGNATURE)

2/22/10
(DATE)

THIS SPACE MAY BE USED FOR ADDITIONAL NOTES, IF NEEDED:

This document has been prepared based on information provided by the owner and the associated documents prepared by the project team. If information provided in associated documents or by the owner vary from those stated in this document, the statements in this document are superseded by the associated documents and owner statements.