



Snohomish County – Planning and Development Services

2nd Floor, Robert J. Drewel Building

3000 Rockefeller • Everett, WA • (425) 388-3311 • www.snoco.org

**Small Project Stormwater Pollution Prevention Plan (SWPPP)
Narrative and Plan Submittal**

Complete this form to meet Minimum Requirement #2 for Small Projects as defined in Section 30.63A.810 SCC and detailed in Volume I, Appendix I-F of the Snohomish County Drainage Manual. Assistance Bulletins #90, 91 and #92 may also be helpful when filling out this form.

BASIC PROJECT INFORMATION:

Project File Number: _____ Section: _____ Township: _____ Range: _____
(PDS to Assign)

Property Tax Account Number(s): _____

Related project file numbers: _____

Site Address: _____

NARRATIVE: (See attached sample narrative and site plan for guidance.)

Project Description:

Please check “yes” or “no” for each criteria below. Answer “yes” if the statement accurately describes your project. (NOTE: If any answer below is “No” the project does not qualify as a “small” project and a full SWPPP will be required.)

- | | | |
|------------------------------|-----------------------------|---|
| <input type="checkbox"/> Yes | <input type="checkbox"/> No | This project disturbs less than 1 acre and is not part of a common plan of development. |
| <input type="checkbox"/> Yes | <input type="checkbox"/> No | This project will create, add, or replace (in any combination) less than 2,000 sq. ft. of hard surface. |
| <input type="checkbox"/> Yes | <input type="checkbox"/> No | This project will move less than 100 cu. yds. of material graded on site and less than 500 cu. yds. of material under the foundation of a building to be built pursuant to an approved building permit. |
| <input type="checkbox"/> Yes | <input type="checkbox"/> No | This project will cause less than 7000 sq. ft. of land disturbing activity. |
| <input type="checkbox"/> Yes | <input type="checkbox"/> No | This project site is located outside of a floodplain or shoreline designation. |
| <input type="checkbox"/> Yes | <input type="checkbox"/> No | This project will not adversely impact a wetland, stream or water of the state, or change a natural drainage course. |
| <input type="checkbox"/> Yes | <input type="checkbox"/> No | This project does not require engineering to comply. |

Element 1 – Preserve Vegetation/Mark Clearing Limits

This element does not apply to my project because:

- The site was cleared as part of clearing activity that is subject to an enforcement action and is revegetated. Restoration may be necessary to comply with Critical Area Regulations or NPDES requirements. BMP C102 may apply if Critical Areas exist on-site and buffer zones shall be protected.

Additional comments:

If it does apply, describe the steps you will take and select the “best management practices” (BMPs) you will use to minimize the area of clearing and vegetation removal:

- To preserve native vegetation and to clearly show the limits of disturbance, the perimeter of the area to be cleared shall be marked prior to clearing operation with visible flagging, orange plastic barrier fencing and/or orange silt fencing as shown on the Stormwater Pollution Prevention Site Plan. The total disturbed area shall be less than 7000 square feet. Vehicles will only be allowed in the areas to be graded, so no compaction of the undeveloped areas will occur.

Additional comments:

Check the BMPs you will use:

- | | |
|---|--|
| <input type="checkbox"/> C101 Preserving Natural Vegetation | <input type="checkbox"/> C103 High Visibility Plastic or Metal Fence |
| <input type="checkbox"/> C102 Buffer Zones | <input type="checkbox"/> C104 Stake and Wire Fence |

Element 2 – Construction Access

This element does not apply to my project because:

- The driveway to the construction area already exists and will be used for construction access. All equipment and vehicles will be restricted to staying on that existing impervious surface.

Additional comments:

If it does apply, describe the steps you will take and select the “best management practices” (BMPs) you will use to minimize sediment transport onto roads:

A stabilized construction entrance will be installed prior to any vehicles entering the site, at the location shown on the SWPPP plan.

Additional comments:

Check the BMPs you will use:

C105 Stabilized Construction Entrance

C107 Construction Road/Parking Area Stabilization

Element 3 – Control Flow Rates

This element does not apply to my project because:

Additional comments:

If it does apply, describe the steps you will take and “best management practices” (BMPs) you will use to control runoff flow rates from the site, referring to Element 4 BMPs below:

Flow rates will be controlled by using SWPPP Element 4 sediment controls and BMP T.5.13 Amended Soils if necessary.

Element 4 – Sediment Control

This element does not apply to my project because:

- The site has already been stabilized and revegetated.

- Additional comments:

If it does apply, describe the steps you will take and “best management practices” (BMPs) you will use to minimize sediment leaving the site in runoff:

- Sediment will be controlled on-site by placement of the required sediment control BMP'S for the site at the locations shown on the Stormwater Pollution Prevention Plan (SWPPP).

Check the BMPs you will use:

- | | |
|--|---|
| <input type="checkbox"/> C230 Straw Bale Barrier | <input type="checkbox"/> C233 Silt Fence |
| <input type="checkbox"/> C231 Brush Barrier | <input type="checkbox"/> C234 Vegetated Strip |
| <input type="checkbox"/> C232 Gravel Filter Berm | <input type="checkbox"/> C235 Straw Wattles |

Element 5 – Stabilize Soils

This element does not apply to my project because:

- Additional comments:

If it does apply, describe the steps you will take and “best management practices” (BMPs) you will use to minimize soil exposure to wind and rain:

- Exposed soils shall be worked during the week until they have been stabilized. Soil stockpiles will be located within the disturbed area shown on the SWPPP. Soil excavated for the foundation will be backfilled against the foundation and graded to drain away from the building. No soils shall remain exposed and unworked for more than 2 days from October 1 to April 30. Once the disturbed landscape areas are graded, the grass areas will be seeded or sodded. All stockpiles will be covered with plastic or burlap if left unworked.

Additional comments:

Check the BMPs you will use:

- C120 Temp & PermSeeding
- C121 Mulching
- C122 Nets & Blankets
- C123 Plastic Covering

- C124 Sodding
- C125 Topsoil (for solid stabilization)
- C131 Gradient Terraces
- C140 Dust Control

Element 6 – Protect Slopes

This element does not apply to my project because:

- No cut slopes over 4 feet high or slopes steeper than 2 feet horizontal to 1 foot vertical, and no fill slopes over 4 feet high will exceed 3 feet horizontal to 1 foot vertical. Therefore, there is no requirement for additional engineered slope protection.

Additional comments:

If it does apply, describe the steps you will take and “best management practices” (BMPs) you will use to control erosion from steep slopes:

Additional comments:

Check the BMPs you will use:

- C120 Temporary and Permanent Seeding
- C208 Triangular Silt Dike (Geotextile-Encased Check Dam)

Element 7 – Protect Permanent Drain Inlets

This element does not apply to my project because:

- The site is in a rural area with an open ditch in the county right-of-way or private road right-of-way.
- There are no catch basins on or near the site.

If it does apply, describe the steps you will take and “best management practices” (BMPs) you will use to keep runoff sediment out of storm drains:

- Catch basins on the site or immediately off site in the right-of-way are shown on the Storm Water Pollution Prevention Site Plan. Storm drain inlet protection shall be installed.

Additional comments:

Check the BMPs you will use:

- C220 Storm Drain Inlet Protection

Element 8 – Stabilize Channels and Outlets

This element does not apply to my project because:

- Construction will occur during the dry weather. No storm drainage channels or ditches shall be constructed either temporary or permanent. A small swale shall be graded to convey yard drainage around the structure using a shallow slope; it shall be seeded after grading and stabilized.

Additional comments:

If it does apply, describe the steps you will take and “best management practices” (BMPs) you will use to prevent erosion from entering existing storm water outfalls and conveyance systems, such as pipes and ditches:

- A straw wattle shall be placed at the end of the swale to prevent erosion at the outlet of the swale.

Additional comments:

Check the BMPs you will use:

- C202 Channel Lining
- C209 Outlet Protection
- C235 Straw Wattles

Element 9 – Control Pollutants

This element does not apply to my project because:

Additional comments:

If it does apply, describe the steps you will take and “best management practices” (BMPs) you will use to keep pollutants out of the storm water. Address all potential pollution sources on your project, such as material storage, fuel handling, equipment cleaning, management of waste materials, etc.:

- Any and all pollutants, chemicals, liquid products and other materials that have the potential to pose a threat to human health or the environment will be covered, contained, and protected from vandalism. All such products shall be kept under cover in a secure location on-site. Concrete handling shall follow BMP C151.

Check the BMPs you will use:

- C151 Concrete Handling
- C152 Sawcutting and Surfacing Pollution Prevention
- C153 Material Storage, Delivery, and Containment

Element 10 – Control De-watering

This element does not apply to my project because:

- No dewatering of the site is anticipated.

If it does apply, describe the steps you will take and “best management practices” (BMPs) you will use to separate contaminated de-watering water from stormwater:

- Additional comments:

Check the BMPs you will use:

- C220 Storm Drain Inlet Protection

Element 11 – Maintain Best Management Practices

Describe the steps you will take to ensure that BMPs are in place and properly functioning as needed throughout construction:

- Best Management Practices or BMP's shall be inspected and maintained during construction and removed within 30 days after the County Inspector or Engineer determines that the site is stabilized, provided that they may be removed when they are no longer needed.

Element 12 – Manage the Project

Describe the BMP sequencing you will use to ensure that the full SWPPP is properly coordinated and that all BMPs are deployed at the proper time to achieve full compliance with county regulations throughout the project:

- The SWPPP will be implemented at all times. The applicable erosion control BMP's will be implemented in the following sequence:
 - Mark clearing limits
 - Install stabilized construction entrance
 - Install protection for existing drainage systems and permanent drain inlets
 - Establish staging areas for storage and handling polluted material and BMP's
 - Install sediment control BMP's
 - Grade and install stabilization measures for disturbed areas
 - Maintain BMP's until site stabilization, at which time they may be removed.

Element 13 – Protect on-site stormwater management BMPs for runoff from roofs and other hard surfaces

On-site stormwater management BMPs used for runoff from roofs and other hard surfaces include: full dispersion, roof downspout full infiltration or dispersion systems, perforated stubout connections, rain gardens, bioretention systems, permeable pavement, sheetflow dispersion, and concentrated flow dispersion. The areas on the site to be used for these BMPs shall be protected from siltation and compaction during construction by sequencing the construction in a fashion to install these BMPs at the latter part of the construction grading operations, by excluding equipment from the BMPs and the associated areas, and by using the erosion and sedimentation control BMPs listed below. Additional requirements for protecting these BMPs during the construction process, testing functionality, and restoring functionality are needed at the final stage of the construction process and are included in the specific BMP sections in the Snohomish County Drainage, Volume V.

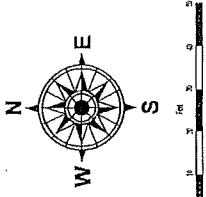
Check the BMPs you will use:

- C102 Buffer Zone
- C103 High Visibility Fence
- C231 Brush Barrier
- C233 Silt Fence
- C234 Vegetated Strip

Applicant Signature _____

NEW IMPERVIOUS AREA:
 ROOF: 1200 SQ. FT.
 DRIVEWAY: 600 SQ. FT.
 PATIO: 0 SQ. FT.
 TOTAL: 1800 SQ. FT.

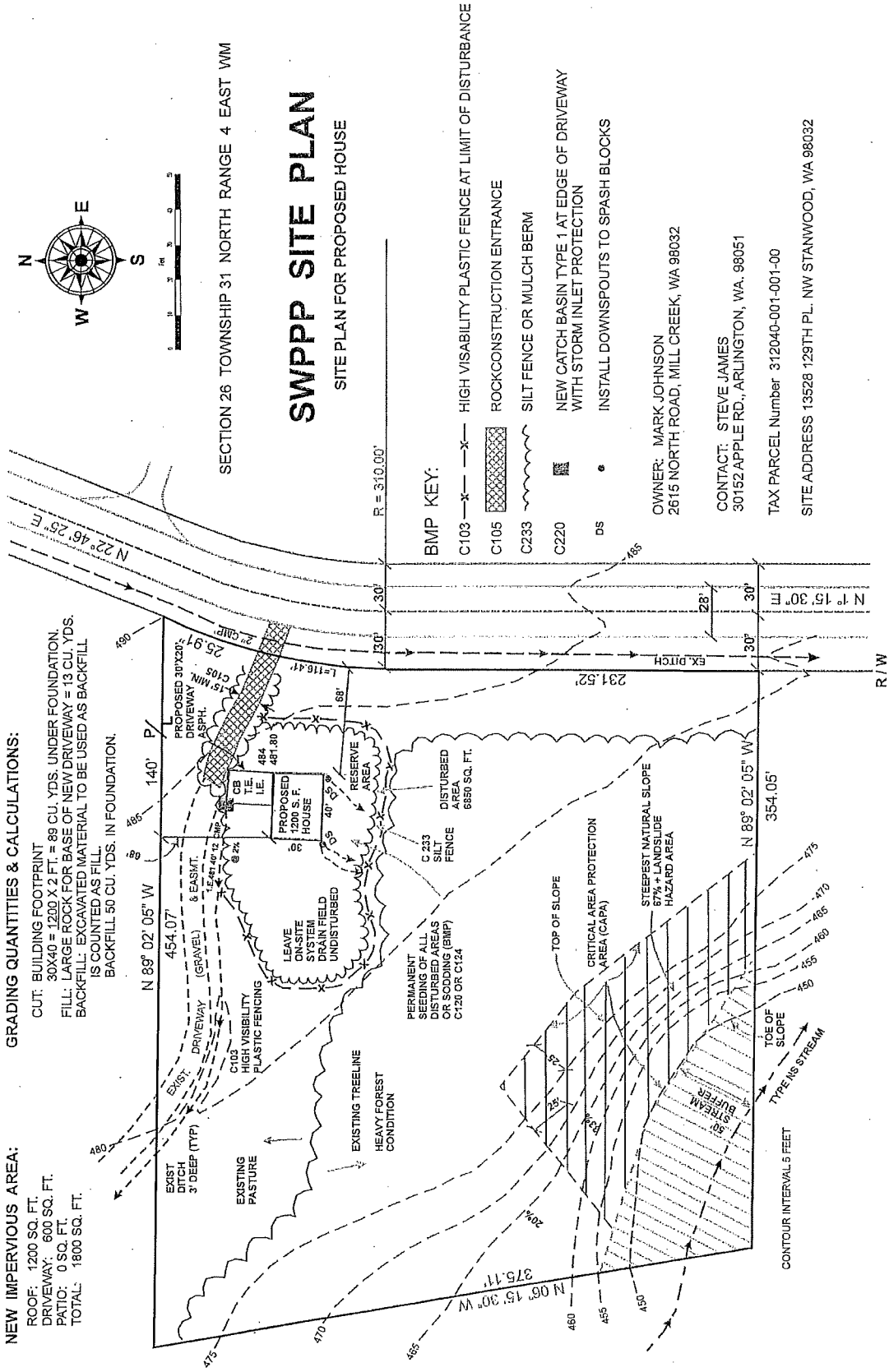
GRADING QUANTITIES & CALCULATIONS:
 CUT: BUILDING FOOTPRINT
 30X40 = 1200 X 2 FT. = 89 CU. YDS. UNDER FOUNDATION.
 FILL: LARGE ROCK FOR BASE OF NEW DRIVEWAY = 13 CU. YDS.
 BACKFILL: EXCAVATED MATERIAL TO BE USED AS BACKFILL
 IS COUNTED AS FILL.
 BACKFILL 50 CU. YDS. IN FOUNDATION.



SECTION 26 TOWNSHIP 31 NORTH RANGE 4 EAST WM

SWPPP SITE PLAN

SITE PLAN FOR PROPOSED HOUSE



BMP KEY:

- C103 — X — X — HIGH VISIBILITY PLASTIC FENCE AT LIMIT OF DISTURBANCE
- C105 [Hatched Box] ROCK CONSTRUCTION ENTRANCE
- C233 [Wavy Line] SILT FENCE OR MULCH BERM
- C220 [Square with X] NEW CATCH BASIN TYPE 1 AT EDGE OF DRIVEWAY WITH STORM INLET PROTECTION
- DS [Circle] INSTALL DOWNSPOUTS TO SPASH BLOCKS

OWNER: MARK JOHNSON
 2615 NORTH ROAD, MILL CREEK, WA 98032

CONTACT: STEVE JAMES
 30152 APPLE RD., ARLINGTON, WA. 98051

TAX PARCEL Number 312040-001-001-00

SITE ADDRESS 13528 129TH PL. NW STANWOOD, WA 98032



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Attachment: Sample Small Project SWPPP Narrative and Site Plan

Small Project Stormwater Pollution Prevention Plan
Narrative and Plan Submittal

This sample narrative and site plan is provided to assist the applicant by illustrating a level of detail and information that will be acceptable for most small projects.

(SAMPLE)

**Small Project Stormwater Pollution Prevention Plan
Narrative and Plan Submittal**

Complete this form to meet Minimum Requirement #2 for Small Projects as defined in Section 30.63A.810 SCC and detailed in Volume 1, Appendix I-F of the Snohomish County Drainage Manual.

BASIC PROJECT INFORMATION:

[Not required if attached to a stormwater site plan submittal that contains this information.]

Project File Number: _____ Section: 26 Township: 37 Range: 04
(PDS to Assign)

Property Tax Account Number(s): 312040-001-001-00

Related project file numbers: N/A

Site Address: 3528 129th Place NW, Stanwood, Washington 98032



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Element 1 – Preserve vegetation/mark clearing limits

This element (applies/does not apply) to my project. [select one]

[If it does not apply, explain why.] _____

[If it does apply, describe the steps you will take and the “best management practices” (BMPs) you will use to minimize the area of clearing and vegetation removal.] The area to be cleared and graded shall be marked prior to clearing operation with visible flagging to preserve native vegetation and to clearly show the clearing limits with orange plastic barrier fencing as shown on the SWPPP site plan. Only the areas marked on the SWPPP site plan to be cleared shall be cleared and graded and the total shall be less than 7,000 square feet. Vehicles will only be allowed only in the areas to be graded, so no compaction of the undeveloped areas will occur.

- [Check the BMPs you will use]
- | | |
|--|---|
| <input checked="" type="checkbox"/> C101 Preserving Natural Vegetation | <input checked="" type="checkbox"/> C103 High Visibility Plastic or Metal Fence |
| <input type="checkbox"/> C102 Buffer Zones | <input type="checkbox"/> C104 Stake and Wire Fence |

Element 2 – Construction access

This element (applies/does not apply) to my project. [select one]

[If it does not apply, explain why.] _____

[If it does apply, describe the steps you will take and “best management practices” (BMPs) you will use to minimize sediment transport onto roads - see choices below identified in Attachment A] A stabilized construction entrance will be installed prior to any vehicles entering the site, at the location shown on the SWPPP plan.

- [Check the BMPs you will use]
- | |
|--|
| <input checked="" type="checkbox"/> C105 Stabilized Construction Entrance |
| <input type="checkbox"/> C107 Construction Road/Parking Area Stabilization |

Element 3 – Control flow rates

This element (applies/does not apply) to my project. [select one]

[If it does not apply, explain why.] _____

[If it does apply, describe the steps you will take and “best management practices” (BMPs) you will use to control runoff flow rates from the site, referring to Element 4 BMPs below.] Flow rates will be controlled by using SWPPP Element 4 sediment controls and BMP T.5.13 amended soils.

Element 4 – Sediment control

This element (applies/does not apply) to my project. [select one]

[If it does not apply, explain why.] _____

[If it does apply, describe the steps you will take and “best management practices” (BMPs) you will use to minimize sediment leaving the site in runoff.] Sediment will be controlled on-site by placement of the required sediment control BMPs for the site at the locations shown on the Stormwater Pollution Prevention Plan (SWPPP).

- [Check the BMPs you will use]
- | | |
|--|---|
| <input type="checkbox"/> C230 Straw Bale Barrier | <input checked="" type="checkbox"/> C233 Silt Fence |
| <input type="checkbox"/> C231 Brush Barrier | <input type="checkbox"/> C234 Vegetated Strip |
| <input type="checkbox"/> C232 Gravel Filter Berm | <input type="checkbox"/> C235 Straw Wattles |



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Element 5 – Stabilize soils

This element (applies/does not apply) to my project. **[select one]**

[If it does not apply, explain why.]

[If it does apply, describe the steps you will take and “best management practices” (BMPs) you will use to minimize soil exposure to wind and rain.] Exposed soils shall be worked during the week until they have been stabilized. Soil stockpile will be located within the disturbed area shown on the SWPPP. Soil excavated for the foundation will be backfilled against the foundation and graded to drain away from the building. No soils shall remain exposed and unworked for more than 2 days from October 1 to April 30. Once the disturbed landscape areas are graded, the grass areas will be seeded or sodded. All stockpiles will be covered in plastic if left unworked.

[Check the BMPs you will use]

- | | |
|---|---|
| <input type="checkbox"/> C120 Temp & PermSeeding | <input type="checkbox"/> C124 Sodding |
| <input type="checkbox"/> C121 Mulching | <input type="checkbox"/> C125 Topsoil (for solid stabilization) |
| <input type="checkbox"/> C122 Nets & Blankets | <input type="checkbox"/> C131 Gradient Terraces |
| <input checked="" type="checkbox"/> C123 Plastic Covering | <input type="checkbox"/> C140 Dust Control |

Element 6 – Protect slopes

This element (applies/does not apply) to my project. **[select one]**

[If it does not apply, explain why.] Does not apply. No cut slope over 4 feet high will exceed 2 feet horizontal to 1 foot vertical, and no fill slopes over 4 feet high will exceed 3 feet horizontal to 1 foot vertical. Therefore, there is no requirement for additional engineered slope protection.

[If it does apply, describe the steps you will take and “best management practices” (BMPs) you will use to control erosion from steep slopes.]

[Check the BMPs you will use]

- | |
|---|
| <input type="checkbox"/> C120 Temp & PermSeeding |
| <input type="checkbox"/> C208 Triangular Silt Dike (Geotextile-Encased Check Dam) |

Element 7 – Protect permanent drain inlets

This element (applies/does not apply) to my project. **[select one]**

[If it does not apply, explain why]

[If it does apply, describe the steps you will take and “best management practices” (BMPs) you will use to keep runoff sediment out of storm drains.] There is one storm drain catch basin on site for which we will install a temporary protection device, per the storm drain inlet protection BMP C220 detail.

[Check the BMPs you will use]

- | |
|---|
| <input checked="" type="checkbox"/> C220 Storm Drain Inlet Protection |
|---|



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Element 8 – Stabilize channels and outlets

This element (applies/does not apply) to my project. [select one]

[If it does not apply, explain why.] Construction will occur during the dry weather. No storm drainage channels or ditches shall be constructed either temporary or permanent. A small swale shall be graded to convey yard drainage around the structure using a shallow slope that shall be seeded after grading and stabilized.

A rock check dam or straw wattle shall be placed at the end of the swale to prevent erosion at the outlet of the swale.

[If it does apply, describe the steps you will take and “best management practices” (BMPs) you will use to prevent erosion from entering existing storm water outfalls and conveyance systems, such as pipes and ditches.]

Check the BMPs you will use]

- C202 Channel Lining
- C209 Outlet Protection

Other

Element 9 – Control pollutants

This element (applies/does not apply) to my project. [select one]

[If it does not apply, explain why.]

[If it does apply, describe the steps you will take and “best management practices” (BMPs) you will use to keep pollutants out of the storm water. Address all potential pollution sources on your project, such as material storage, fuel handling, equipment cleaning, management of waste materials, etc.] Any and all pollutants, chemicals, liquid products and other materials that have the potential to pose a threat to human health or the environment will be covered, contained and protected from vandalism.

All such products shall be kept under cover in a secure location on-site. Concrete handling shall follow BMP C151

[Check the BMPs you will use]

- C151 Concrete Handling
- C152 Sawcutting and Surfacing Pollution Prevention
- C153 Material Storage, Delivery, and Containment

Element 10 – Control de-watering

This element (applies/does not apply) to my project. [select one – often not applicable to small projects]

[If it does not apply, explain why.] No de-watering of the site is anticipated

[If it does apply, describe the steps you will take and “best management practices” (BMPs) you will use to separate contaminated de-watering water from storm water.]

[Check the BMPs you will use]

- C220 Storm Drain Inlet Protection



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Element 11 – Maintain best management practices

[Describe the steps you will take to ensure that BMPs are in place and properly functioning as needed throughout construction.] Best Management Practices or BMPs will be inspected and maintained during construction and removed within 30 days after the County Inspector or Engineer determines that the site is stabilized provided that they may be removed when they are no longer needed.

Element 12 – Manage the project

[Describe the BMP sequencing you will use to ensure that the full SWPPP is properly coordinated and that all BMPs are deployed at the proper time to achieve full compliance with county regulations throughout the project.] This SWPPP will be implemented at all times. The Erosion control BMPs will be implemented in the following sequence:

- 1. Mark clearing limits*
- 2. Install stabilized construction entrance*
- 3. Install protection for existing drainage systems and permanent drain inlets*
- 4. Establish staging areas for storage and handling polluted materials and BMPs.*
- 5. Install sediment control BMPs*
- 6. Grade and install stabilization measures for disturbed areas*
- 7. Maintain BMPs until final site stabilization, at which time they may be removed*

Applicant Signature Steve James