

# SEPA ENVIRONMENTAL CHECKLIST

JULY 17, 2015

## ***Purpose of checklist:***

Governmental agencies use this checklist to help determine whether the environmental impacts of your proposal are significant. This information is also helpful to determine if available avoidance, minimization or compensatory mitigation measures will address the probable significant impacts or if an environmental impact statement will be prepared to further analyze the proposal.

## ***Instructions for applicants:***

This environmental checklist asks you to describe some basic information about your proposal. Please answer each question accurately and carefully, to the best of your knowledge. You may need to consult with an agency specialist or private consultant for some questions. You may use "not applicable" or "does not apply" only when you can explain why it does not apply and not when the answer is unknown. You may also attach or incorporate by reference additional studies reports. Complete and accurate answers to these questions often avoid delays with the SEPA process as well as later in the decision-making process.

The checklist questions apply to all parts of your proposal, even if you plan to do them over a period of time or on different parcels of land. Attach any additional information that will help describe your proposal or its environmental effects. The agency to which you submit this checklist may ask you to explain your answers or provide additional information reasonably related to determining if there may be significant adverse impact.

## ***Instructions for Lead Agencies:***

Please adjust the format of this template as needed. Additional information may be necessary to evaluate the existing environment, all interrelated aspects of the proposal and an analysis of adverse impacts. The checklist is considered the first but not necessarily the only source of information needed to make an adequate threshold determination. Once a threshold determination is made, the lead agency is responsible for the completeness and accuracy of the checklist and other supporting documents.

## ***Use of checklist for nonproject proposals:***

For nonproject proposals (such as ordinances, regulations, plans and programs), complete the applicable parts of sections A and B plus the [SUPPLEMENTAL SHEET FOR NONPROJECT ACTIONS \(part D\)](#). Please completely answer all questions that apply and note that the words "project," "applicant," and "property or site" should be read as "proposal," "proponent," and "affected geographic area," respectively. The lead agency may exclude (for non-projects) questions in Part B - Environmental Elements –that do not contribute meaningfully to the analysis of the proposal.

## A. Background

1. Name of proposed project, if applicable:  
**Clark County Stormwater Manual and Code Update project (Clark County, Washington)**
2. Name of applicant:  
**Clark County, Washington. Department of Environmental Services, Clean Water Program.**
3. Address and phone number of applicant and contact person:  
**Rod Swanson, NPDES Permit Manager. Department of Environmental Services,  
1300 Franklin St., Vancouver, Washington, 98666-9810, (360) 397-2121 ext. 4581**
4. Date checklist prepared: **July 17, 2015**
5. Agency requesting checklist: **Clark County, Washington**
6. Proposed timing or schedule (including phasing, if applicable):
  - ◆ **Final review of Adoption Draft of code and manual – June –October 2015**
  - ◆ **Adoption of Final Adoption version of code and manual – November 2015**
  - ◆ **Revised code and manual become effective – no later than January 8, 2016**
7. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain.  
**This project will be completed by the end of 2015. Any future modifications to Clark County stormwater manual and associated code will be based on revisions to the NPDES Phase I Municipal Stormwater Permit, as defined by the Washington Department of Ecology and will not take place for another 5 years.**
8. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal.  
**All prepared public outreach / information related to this project is available at:  
<http://www.clark.wa.gov/environment/stormwater/management/code.html>  
Primary documents available on the website include the *Clark County Stormwater Manual* and code sections *13.26A Water Quality* and *40.386* (previously *40.385*) *Stormwater and Erosion Control*.**
9. Do you know whether applications are pending for governmental approvals of other proposals directly affecting the property covered by your proposal?  
**None at this time.**
10. List any government approvals or permits that will be needed for your proposal, if known. **Clark County is required to receive Department of Commerce review for all development code modifications. Draft language was submitted on June 18, 2015 for a 60-day review. Final code language will be submitted prior to adoption of the code in late 2015.**
11. Give brief, complete description of your proposal, including the proposed uses and the size of the project and site. There are several questions later in this checklist that ask you to describe certain aspects of your proposal. You do not need to repeat those answers on this page. (Lead agencies may modify this form to include additional specific information on project description.)

Clark County has a National Pollution Discharge Elimination System (NPDES) permit effective August 1, 2013 (amended December 2014) through July 31, 2018. The Washington Department of Ecology permit is part of the federal Clean Water Act. Clark County has operated under such a permit since 1999. This permit, among other things, specifies regulations for managing the quantity and quality of stormwater discharged to the county's municipal separated storm sewer system (MS4). To comply with the permit, the county will update applicable development codes, such as 40.385 Stormwater and Erosion Control and the *Clark County Stormwater Manual*.

Clark County will pursue updates that are:

- Flexible and tailored to multiple project types, including making *Low Impact Development (LID)* the mandatory approach for stormwater management in site development.
- Compatible with other state and local regulations to protect the environment and support an economically vibrant and liveable community.

12. Location of the proposal. Give sufficient information for a person to understand the precise location of your proposed project, including a street address, if any, and section, township, and range, if known. If a proposal would occur over a range of area, provide the range or boundaries of the site(s). Provide a legal description, site plan, vicinity map, and topographic map, if reasonably available. While you should submit any plans required by the agency, you are not required to duplicate maps or detailed plans submitted with any permit applications related to this checklist.

The revised regulations are applicable to properties within the jurisdictional boundaries of unincorporated and rural Clark County. These regulations will not apply within any cities in the County. Cities may choose to adopt the *Clark County Stormwater Manual* in the future to meet NPDES permit requirements for stormwater regulations. (See Figure 1).

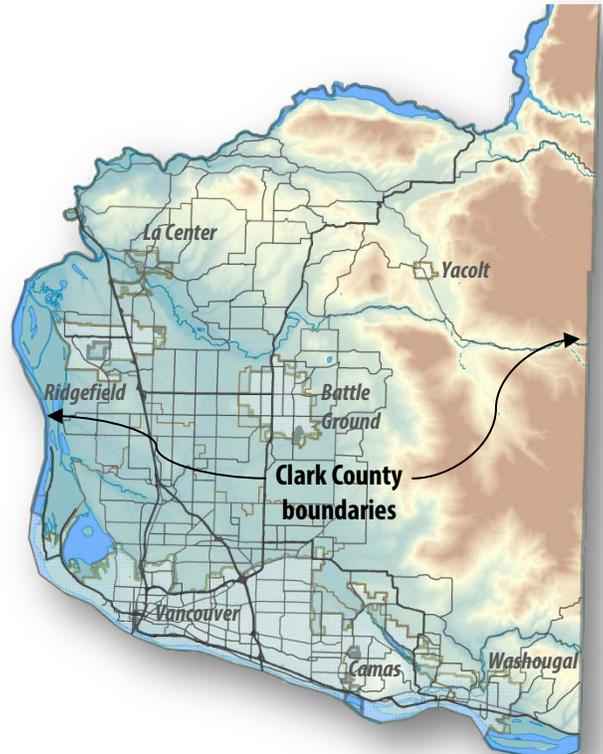


Figure 1. Boundary map of Clark County

## B. ENVIRONMENTAL ELEMENTS

### 1. Earth

- a. General description of the site: **These regulations apply on all properties covered by in the jurisdictional boundaries of unincorporated and rural Clark County. The properties vary from relatively flat to steep slopes. The higher elevations include the foothills to the Cascade Range towards the eastern part of the county. Refer to Figure 1 for elevation schematic of the county.**

(circle one): Flat, rolling, hilly, steep slopes, mountainous, other \_\_\_\_\_

b. What is the steepest slope on the site (approximate percent slope)? **Some properties include very steep slopes, including riverine canyons and foothills to the mountains (in excess of 45 degree slope). The majority of developable lands have minimal “steep slopes.” Protection of these areas is guided by [Clark County Code 40.430 Geologic Hazard Areas](#).**

c. What general types of soils are found on the site (for example, clay, sand, gravel, peat, muck)? **(Refer to Figure 2)** If you know the classification of agricultural soils, specify them and note any agricultural land of long-term commercial significance and whether the proposal results in removing any of these soils. **(Refer to Figure 3).**

- **Beige** – Alluvial clay, silt, sand, may include peat, muck or beach areas.
- **Green** – Quaternary sandy, silty with some pebble, cobble and boulders.
- **Gray** – Gravel / sand with silt lenses (historic flood deposits)
- **Orange** – Clay loam, historic volcanic rock formations (basalts)
- **Red** – Silt loam, with steep slopes, historic volcanic vent or dome
- **Brown** – Loam soils that vary with silty and clay conditions, Historic volcanic rock formations, including basalt.
- **Gold** – Silty loams, historic volcanic debris materials.
- **Pink** – Cobbly silt loam based on historic granite and quartz materials.

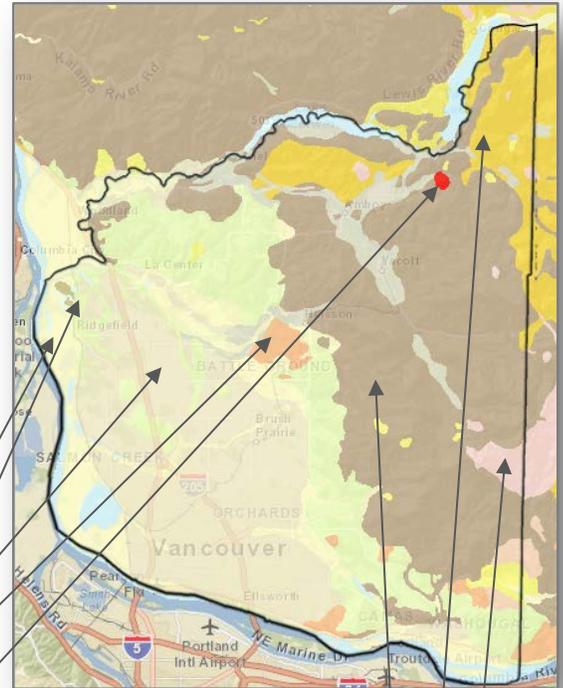


Figure 2. Geologic map of Clark County (Source: WA DNR Interactive Map, Washington Geologic Survey).

It is anticipated that some projects will be located in areas identified as “Prime” agricultural soils, per Clark County GIS MapsOnline.

d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe.

**Clark County has mapped unstable and known landslide areas, primarily in the steeper eastern portions of the county and along the riparian systems (especially associated in canyon areas). The stormwater manual has setbacks from steep slopes and geohazard areas.**

e. Describe the purpose, type, total area, and approximate quantities and total affected area of any filling, excavation, and grading proposed. Indicate source of fill.

**Not applicable, earth moving will be site and project specific.**

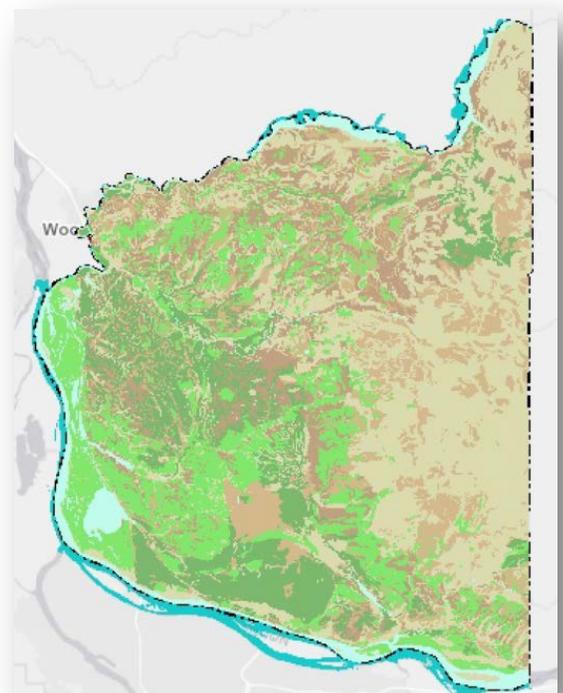


Figure 3. Agricultural suitable soils – Green equals “Prime” soils. (Source: Clark County GIS MapsOnline).

- f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe.  
**Not applicable. The stormwater manual has requirements to control erosion and sediment leaving the site during construction.**
- g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)?  
**Not applicable, will be site and project specific. Development regulations in [Clark County Title 40](#) will govern development on each site. The updated stormwater regulations require the use of Low Impact Development, where feasible, to reduce the amount of impervious surface on a project site.**
- h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any:  
**Updates to county stormwater code and manual outline all requirements to minimize and control erosion by the use of Best Management Practices.**

**2. Air**

- a. What types of emissions to the air would result from the proposal during construction, operation, and maintenance when the project is completed? If any, generally describe and give approximate quantities if known.  
**Not applicable. This project does not change air quality regulations.**
- b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe.  
**Not applicable. This project does not change air quality regulations or influence air quality in areas outside development projects.**
- c. Proposed measures to reduce or control emissions or other impacts to air, if any:  
**Not applicable. This project does not change air quality regulations.**

**3. Water**

- a. Surface Water:
- 1) Is there any surface water body on or in the immediate vicinity of the site (including year-round and seasonal streams, saltwater, lakes, ponds, wetlands)? If yes, describe type and provide names. If appropriate, state what stream or river it flows into.  
**The code and manual updates aim to protect all surface water features in Clark County from water quality and quantity impacts. Various regulations are in place as well such as Clark County Code [40.450 Wetland Protection](#), [40.460 Shoreline Master Program](#), and [40.385 Stormwater and Erosion Control](#) and [13.26A Water Quality](#). Surface water features exist throughout the county. (See Figure 4).**

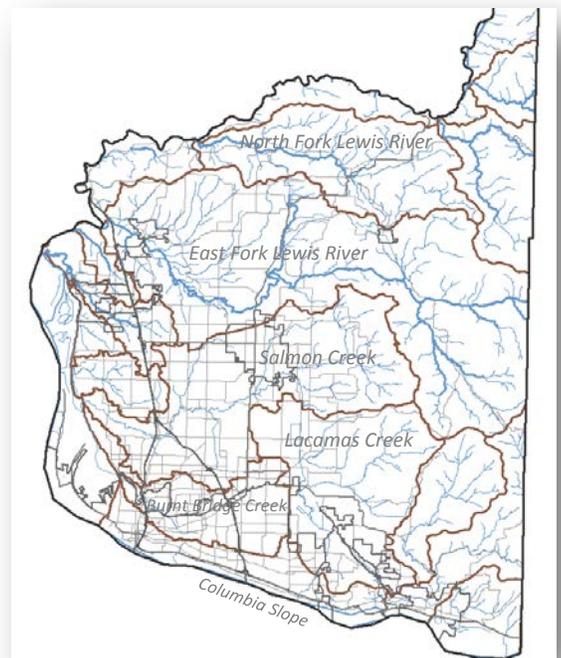


Figure 4. Rivers and watersheds of Clark County.  
 (Source: Clark County GIS).

- 2) Will the project require any work over, in, or adjacent to (within 200 feet) the described waters? If yes, please describe and attach available plans.  
**Not applicable. Work in or near water is regulated under [Clark County Title 40](#) and state of Washington [regulations](#).**
  
- 3) Estimate the amount of fill and dredge material that would be placed in or removed from surface water or wetlands and indicate the area of the site that would be affected. Indicate the source of fill material.  
**Not applicable, will be site and project specific.**
  
- 4) Will the proposal require surface water withdrawals or diversions? Give general description, purpose, and approximate quantities if known.  
**Not applicable. This project does not affect water withdrawal regulations in the county or state.**
  
- 5) Does the proposal lie within a 100-year floodplain? If so, note location on the site plan.  
**Not applicable. This project will not alter regulations governing floodplain protection, as per existing Clark County Code [40.420 Flood Hazard](#).**
  
- 6) Does the proposal involve any discharges of waste materials to surface waters? If so, describe the type of waste and anticipated volume of discharge.  
**Not applicable. This project includes pollutant source control requirements to prevent waste discharge but will not alter regulations regarding solid waste discharge.**

b. Ground Water:

- 1) Will groundwater be withdrawn from a well for drinking water or other purposes? If so, give a general description of the well, proposed uses and approximate quantities withdrawn from the well. Will water be discharged to groundwater? Give general description, purpose, and approximate quantities if known.  
**Not applicable. This project does not change regulations to wells or groundwater discharge. Stormwater regulations require infiltration to the extent feasible of treated stormwater.**
  
- 2) Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (for example: Domestic sewage; industrial, containing the following chemicals. . . ; agricultural; etc.). Describe the general size of the system, the number of such systems, the number of houses to be served (if applicable), or the number of animals or humans the system(s) are expected to serve.  
**Not applicable. This project does not apply to non-stormwater discharges.**

c. Water runoff (including stormwater):

- 1) Describe the source of runoff (including storm water) and method of collection and disposal, if any (include quantities, if known). Where will this water flow? Will this water flow into other waters? If so, describe.  
**Not applicable. The code and manual updates provide updated requirements for managing stormwater runoff, collection, infiltration and discharge of development and redevelopment projects. To meet Washington's Department of Ecology requirements, the stormwater manual will utilize Low Impact Development practices, where feasible.**

2) Could waste materials enter ground or surface waters? If so, generally describe.  
**No. The stormwater code and manual describe requirements to minimize pollution to surface and groundwaters. [Clark County Code 13.26A Water Quality](#) provides requirements for pollution control.**

3) Does the proposal alter or otherwise affect drainage patterns in the vicinity of the site? If so, describe.  
**Not applicable. Minimum requirement #4 requires maintaining natural drainageways.**

d. Proposed measures to reduce or control surface, ground, and runoff water, and drainage pattern impacts, if any:  
**The Clark County Stormwater Manual outlines the process to develop appropriate stormwater management plans for the proposed site conditions and anticipated development. The manual walks applicants through the process to determine w stormwater management Best Management Practices (BMPs) based on the application of state-mandated Minimum Requirements. The manual provides detailed Best Management Practices (BMPs) for the various stormwater features required for a development project. There are a variety of measures to be considered by the applicant, including “Better Site Design” (thoughtful layout of features to minimize impact to the land, use of Low Impact Development (allow infiltration of stormwater) and best management practices to minimize impacts during construction.**

#### 4. Plants

a. Check the types of vegetation found on the site:  
**Vegetation in Clark County varies depending on site conditions, but could include a variety of deciduous and evergreen species, including forest, wetlands, pasture and agricultural lands.**

- deciduous tree: alder, maple, aspen, other
- evergreen tree: fir, cedar, pine, other
- shrubs
- grass
- pasture
- crop or grain
- Orchards, vineyards or other permanent crops.
- wet soil plants: cattail, buttercup, bullrush, skunk cabbage, other
- water plants: water lily, eelgrass, milfoil, other
- other types of vegetation

b. What kind and amount of vegetation will be removed or altered?  
**Not applicable, will vary per development project. The stormwater manual strives to retain native vegetation during development.**

c. List threatened and endangered species known to be on or near the site.  
**There are numerous plants listed as threatened and endangered occurring in Clark County, per the Department of Natural Resource’s [list](#).**

- d. Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any:  
**The Clark County Stormwater Manual requirements provide Best Management Practices (BMPs) to preserve native vegetation (for stormwater protection credit) as well as BMPs to minimize disturbance to existing plants (i.e tree protection). Low Impact Development requires the use of plant materials in certain features such as rain gardens and bioretention facilities to assist with stormwater treatment and infiltration. The use of native plants is preferred, but may vary based on specific site conditions, design requirements and plant availability.**
- e. List all noxious weeds and invasive species known to be on or near the site.  
**Not applicable. This project does not propose changes to regulations. Each site will need to be reviewed for the presence of listed Noxious Weeds, as identified in Clark County. Here is the [2015 listed weed species](#).**

## 5. Animals

- a. List any birds and other animals which have been observed on or near the site or are known to be on or near the site.  
**Not applicable. It is anticipated that there is wildlife on every property and the known species will need to be identified on site. It is anticipated that birds, insects, and mammals could utilize all development sites. Reptiles, amphibians and fish may be present if the appropriate habitat is available on site (i.e. water related features).**

Examples include:

birds: hawk, heron, eagle, songbirds, other:  
 mammals: deer, bear, elk, beaver, other:  
 fish: bass, salmon, trout, herring, shellfish, other \_\_\_\_\_

- b. List any threatened and endangered species known to be on or near the site.  
**Not applicable. Each site will need to be reviewed for the presence of the five listed threatened species listed in Clark County: [Bull trout](#), [Steelhead trout](#), [Coho salmon](#), [Chinook salmon](#) and [Chum salmon](#). Stormwater regulations aim to improve water quality for fish protection.**
- c. Is the site part of a migration route? If so, explain.  
**Not applicable. This project does not propose changes to migratory species regulations. Clark County is part of the Pacific Flyway for migratory bird species.**
- d. Proposed measures to preserve or enhance wildlife, if any:  
**Not applicable. Updated regulations, including Green Roofs, could provide expanded habitat for birds and insects. LID principles promote retention of native vegetation that also supports habitat.**
- e. List any invasive animal species known to be on or near the site.  
**Not applicable. This project does not propose changes to any regulations related to invasive animal species.**

## 6. Energy and Natural Resources

- a. What kinds of energy (electric, natural gas, oil, wood stove, solar) will be used to meet the completed project's energy needs? Describe whether it will be used for heating, manufacturing, etc.

**Not applicable. This project does not propose any changes to energy generation regulations.**

- b. Would your project affect the potential use of solar energy by adjacent properties? If so, generally describe.

**Not applicable. This project does not propose any changes to solar energy regulations.**

- c. What kinds of energy conservation features are included in the plans of this proposal? List other proposed measures to reduce or control energy impacts, if any:

**Not applicable. This project does not propose any changes to energy conservation regulations.**

## 7. Environmental Health

- a. Are there any environmental health hazards, including exposure to toxic chemicals, risk of fire and explosion, spill, or hazardous waste, that could occur as a result of this proposal? If so, describe.

**Not applicable. This project does not propose any changes to hazardous waste regulations.**

- 1) Describe any known or possible contamination at the site from present or past uses.

**Not applicable. Each development project site will need to be evaluated for contamination issues.**

- 2) Describe existing hazardous chemicals/conditions that might affect project development and design. This includes underground hazardous liquid and gas transmission pipelines located within the project area and in the vicinity.

**Not applicable. Each development project will need to provide clarification for the use of hazardous conditions and meet appropriate requirements for those features.**

- 3) Describe any toxic or hazardous chemicals that might be stored, used, or produced during the project's development or construction, or at any time during the operating life of the project.

**Not applicable. The code and manual do not regulate toxic or hazardous chemicals other than requirements to minimize pollution risk to stormwater as outlined in [Clark County Code 13.26A](#) and the stormwater manual.**

- 4) Describe special emergency services that might be required.

**Not applicable. All development projects will need to be designed to meet Title 40 development standards including those that facilitate emergency services support. This project does not propose any changes to those regulations.**

- 5) Proposed measures to reduce or control environmental health hazards, if any:

**Not applicable. This project addresses stormwater treatment controls that are**

**required to reduce pollution threats, including those that pose environmental health hazards. All projects are required to comply with appropriate Best Management Practices (BMPs) to prevent pollutants from entering stormwater.**

b. Noise

- 1) What types of noise exist in the area which may affect your project (for example: traffic, equipment, operation, other)?

**Not applicable. Each development project will vary in the type of noise associated with the project. This project does not propose any changes to noise regulations.**

- 2) What types and levels of noise would be created by or associated with the project on a short-term or a long-term basis (for example: traffic, construction, operation, other)? Indicate what hours noise would come from the site.

**Not applicable. Each development project will need to be assessed for potential noise impact. This project does not propose any changes to associated regulations such as [Clark County Code 9.14](#).**

- 3) Proposed measures to reduce or control noise impacts, if any:

**Not applicable. This project does not propose any changes to applicable regulations on noise.**

8. Land and Shoreline Use

- a. What is the current use of the site and adjacent properties? Will the proposal affect current land uses on nearby or adjacent properties? If so, describe.

**Not applicable. Every development project will need to inventory and assess current lands uses, per Clark County land use regulations. This project does not propose changes to shoreline regulations.**

- b. Has the project site been used as working farmlands or working forest lands? If so, describe. How much agricultural or forest land of long-term commercial significance will be converted to other uses as a result of the proposal, if any? If resource lands have not been designated, how many acres in farmland or forest land tax status will be converted to nonfarm or nonforest use?

**Not applicable. While there may be development projects that convert active farm or forest land, this project does not propose changes to regulations related to land use change.**

- 1) Will the proposal affect or be affected by surrounding working farm or forest land normal business operations, such as oversize equipment access, the application of pesticides, tilling, and harvesting? If so, how:

**Not applicable. These would be evaluated at the time of each new development project under other regulations.**

- c. Describe any structures on the site.

**Not applicable. This project only relates to stormwater regulations, not buildings.**

- d. Will any structures be demolished? If so, what?

**Not applicable. This project only relates to stormwater regulations, not buildings.**

- e. What is the current zoning classification of the site?  
**Not applicable. This project only relates to stormwater regulations, not land use or zoning changes.**
- f. What is the current comprehensive plan designation of the site?  
**There are various designations across the county, as designated in the current approved [Clark County Comprehensive Plan](#). This project does not propose any changes to the Comprehensive Plan at this time.**
- g. If applicable, what is the current shoreline master program designation of the site?  
**Not applicable. There are various designations across the county, as designated in the current approved [Shoreline Master Plan](#). They are applied when development projects occur.**
- h. Has any part of the site been classified as a critical area by the city or county? If so, specify.  
**Not applicable. This project does not propose any changes to the County's Critical Areas [codes](#) in Title 40, other than citations to the updated chapter 40.386 stormwater code.**
- i. Approximately how many people would reside or work in the completed project?  
**Not applicable. This is a project to update regulations and will not affect residence or work place.**
- j. Approximately how many people would the completed project displace?  
**Not applicable. This is a project to update regulations and will not create displacement issues.**
- k. Proposed measures to avoid or reduce displacement impacts, if any:  
**Not applicable. This is a project to update regulations and will not create displacement issues.**
- L. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any:  
**Not applicable. The project does not change any existing or project land use designations. The Clark County Stormwater Manual and code update project has coordinated with a variety of stakeholders, including other county departments, a Technical Advisory Committee and a Stakeholder Advisory Committee. The project has been guided by the requirements of the NPDES Municipal Phase I stormwater permit. Through over 80 coordination meetings, this project has communicated the proposed updates so that they can align with other plans, such as the Comprehensive Plan Update project and the Phase II stormwater plan updates within the various cities.**
- m. Proposed measures to ensure the proposal is compatible with nearby agricultural and forest lands of long-term commercial significance, if any:  
**Not applicable. The project does not impact any agricultural adjacent lands. Also, commercial agriculture and forestry are largely exempted from stormwater requirements for development projects.**

## 9. Housing

- a. Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing.

**Not applicable. This project does not address housing regulations.**

- b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing.

**Not applicable. This project does not address housing regulations or eliminate housing.**

- c. Proposed measures to reduce or control housing impacts, if any:

**Not applicable. This project does not address housing regulations or create site-specific housing impacts.**

## 10. Aesthetics

- a. What is the tallest height of any proposed structure(s), not including antennas; what is the principal exterior building material(s) proposed?

**Not applicable. This project does not address building construction other than Green Roofs, which will be required to meet all applicable building codes, as stated in the Stormwater Manual.**

- b. What views in the immediate vicinity would be altered or obstructed?

**Not applicable. All proposed stormwater features are limited in height, except in the instances of additional trees. Each development project will need to be reviewed for site-specific and view conditions.**

- c. Proposed measures to reduce or control aesthetic impacts, if any:

**All projects are designed to meet stormwater functional requirements. Aesthetics will be considered by development project designers. On-going maintenance will be key in maintaining appropriate functional, and incidentally, aesthetics for the stormwater BMPs. Book 4 of the stormwater manual outlines maintenance requirements for each of the stormwater BMPs.**

## 11. Light and Glare

- a. What type of light or glare will the proposal produce? What time of day would it mainly occur?

**Not applicable. Stormwater management practices will not propose the use of lighting or glare producing materials and light/glare are addressed in Clark County Title 40.**

- b. Could light or glare from the finished project be a safety hazard or interfere with views?

**Not applicable. Most stormwater management practices will not propose the use of lighting or glare producing materials.**

- c. What existing off-site sources of light or glare may affect your proposal?

**Not applicable. When sites develop, each will need to be considered for light or glare effects.**

- d. Proposed measures to reduce or control light and glare impacts, if any:  
**Not applicable. This is a revision to stormwater control regulations only.**

## 12. Recreation

- a. What designated and informal recreational opportunities are in the immediate vicinity?  
**Not applicable. The proposed regulations do not affect county recreational facility requirements. Each project site will need to be evaluated for recreation opportunities in the vicinity.**
- b. Would the proposed project displace any existing recreational uses? If so, describe.  
**The proposed regulations do not affect county recreational facility requirements.**
- c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any:  
**The proposed regulations do not affect county recreational facility requirements.**

## 13. Historic and cultural preservation

- a. Are there any buildings, structures, or sites, located on or near the site that are over 45 years old listed in or eligible for listing in national, state, or local preservation registers located on or near the site? If so, specifically describe.  
**Not applicable. The proposed regulations do not proposed to change any historic or cultural preservation regulations.**
- b. Are there any landmarks, features, or other evidence of Indian or historic use or occupation? This may include human burials or old cemeteries. Are there any material evidence, artifacts, or areas of cultural importance on or near the site? Please list any professional studies conducted at the site to identify such resources.  
**Not applicable. The proposed regulations do not change any historic or cultural preservation regulations.**
- c. Describe the methods used to assess the potential impacts to cultural and historic resources on or near the project site. Examples include consultation with tribes and the department of archeology and historic preservation, archaeological surveys, historic maps, GIS data, etc.  
**Not applicable. The proposed regulations do not change any historic or cultural preservation regulations. Each site will need to be assessed as part of the development process.**
- d. Proposed measures to avoid, minimize, or compensate for loss, changes to, and disturbance to resources. Please include plans for the above and any permits that may be required.  
**Not applicable. The proposed regulations do not change any historic or cultural preservation regulations.**

## 14. Transportation

- a. Identify public streets and highways serving the site or affected geographic area and describe proposed access to the existing street system. Show on site plans, if any.  
**Not applicable. This project does not affect access to roads. All public roadways are available on the County GIS [MapsOnline](#) system. Each development project will need to inventory and assess public streets and highways serving their site.**

- b. Is the site or affected geographic area currently served by public transit? If so, generally describe. If not, what is the approximate distance to the nearest transit stop?  
**Not applicable. Public transportation in Clark County is provided by C-Tran. Route maps are available on their web site. This project does not propose any conflicts with public transit.**
- c. How many additional parking spaces would the completed project or non-project proposal have? How many would the project or proposal eliminate?  
**Not applicable. This project does not propose changes to parking standards. Each project will be required to determine parking needs and meet the 40.340 Parking and Loading Standards, including the proper design of stormwater management for the surfacing.**
- d. Will the proposal require any new or improvements to existing roads, streets, pedestrian, bicycle or state transportation facilities, not including driveways? If so, generally describe (indicate whether public or private).  
**Not applicable. This project does not propose changes to road standards. Each project will be required to determine roadway needs and meet 40.350 Transportation and Circulation, including the proper design of stormwater management for the surfacing.**
- e. Will the project or proposal use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe.  
**Not applicable. The proposed regulations do not impact the use of any existing transportation facility.**
- f. How many vehicular trips per day would be generated by the completed project or proposal? If known, indicate when peak volumes would occur and what percentage of the volume would be trucks (such as commercial and nonpassenger vehicles). What data or transportation models were used to make these estimates?  
**Not applicable. These regulations propose no change transportation design regulations that alter the number of trips. Each project will need to complete traffic studies per development standards.**
- g. Will the proposal interfere with, affect or be affected by the movement of agricultural and forest products on roads or streets in the area? If so, generally describe.  
**Not applicable. The project does not regulate or affect the movement of agriculture or forest products on roads or streets. Each development project will need to assess the potential for agricultural or forest product movement and meet all applicable regulations including stormwater management.**
- h. Proposed measures to reduce or control transportation impacts, if any:  
**Not applicable. These regulations only affect stormwater management related to transportation design and maintenance of associated stormwater facilities.**

## 15. Public Services

- a. Would the project result in an increased need for public services (for example: fire protection, police protection, public transit, health care, schools, other)? If so, generally describe.

**These regulations do not significantly increase the need for public services. Current regulations allow stormwater facilities to be turned over to public ownership.**

- b. Proposed measures to reduce or control direct impacts on public services, if any.  
**This project is not expected to be significant and will be addressed through existing stormwater facilities on properties. It is anticipated that there will be an increase in LID stormwater facilities in road rights-of-way which will be maintained by Clark County.**

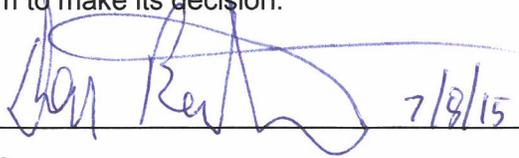
**16. Utilities**

- a. Circle utilities currently available at the site: electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system, other \_\_\_\_\_  
**Not applicable. This project does not affect any utilities other than stormwater, as described above. Many of these utilities are available throughout the county and will be identified as part of the development process, including site planning.**
- b. Describe the utilities that are proposed for the project, the utility providing the service, and the general construction activities on the site or in the immediate vicinity which might be needed.  
**Not applicable. Each new development project will describe proposed utilities.**

## C. Signature

The above answers are true and complete to the best of my knowledge. I understand that the lead agency is relying on them to make its decision.

Signature: \_\_\_\_\_

Handwritten signature of Don Benton in blue ink, followed by the date 7/8/15. The signature is written over a horizontal line.

Name of signee: **Don Benton**

Position and Agency/Organization: **Director, Clark County Department of Environmental Services**

Date Submitted: **July 17, 2015**

## D. Supplemental sheet for nonproject actions

Because these questions are very general, it may be helpful to read them in conjunction with the list of the elements of the environment.

When answering these questions, be aware of the extent the proposal, or the types of activities likely to result from the proposal, would affect the item at a greater intensity or at a faster rate than if the proposal were not implemented. Respond briefly and in general terms.

1. How would the proposal be likely to increase discharge to water; emissions to air; production, storage, or release of toxic or hazardous substances; or production of noise? Proposed measures to avoid or reduce such increases are:  
**The proposed Clark County Stormwater Code and Manual updates are designed to minimize excessive discharges of stormwater and pollutants in runoff to water bodies. The requirements also reduce pollution potential to water bodies. The use of Low Impact Development will allow stormwater to infiltrate closer to the source of water thereby limiting downstream impacts and reduce pollutant loads to surface water compared to current standards.**
2. How would the proposal be likely to affect plants, animals, fish, or marine life? Proposed measures to protect or conserve plants, animals, fish, or marine life are:  
**The proposed changes to regulations will indirectly increase protection of wildlife by reducing pollution and increasing habitat. It is also anticipated that water flow would slow thereby reducing the risk for erosion and destruction of habitat, especially in sensitive creeks, streams and rivers. Updated regulations promote the preservation of native vegetation, construction of naturalized stormwater features (i.e. rain gardens and bioretention facilities) and stricter pest management practices that reduce the use of chemicals.**
3. How would the proposal be likely to deplete energy or natural resources? Proposed measures to protect or conserve energy and natural resources are:  
**The project is likely to increase the amount of groundwater recharge increasing stream flow during summer stream flows. By requiring greater protections, it is anticipated that there will be stronger protection of natural resources, specifically the surface water features, such as creeks, streams, and rivers. By utilizing Low Impact Development practices, surface water will have more opportunities to soak into the ground close to the source.**

4. How would the proposal be likely to use or affect environmentally sensitive areas or areas designated (or eligible or under study) for governmental protection; such as parks, wilderness, wild and scenic rivers, threatened or endangered species habitat, historic or cultural sites, wetlands, floodplains, or prime farmlands? Proposed measures to protect such resources or to avoid or reduce impacts are:  
**The affect would be to promote preservation of native vegetation not otherwise regulated under critical areas regulations.**
  
5. How would the proposal be likely to affect land and shoreline use, including whether it would allow or encourage land or shoreline uses incompatible with existing plans? Proposed measures to avoid or reduce shoreline and land use impacts are:  
**The Clark County Stormwater Manual and code update project is meant to be compatible with other land and shoreline use requirements and the Clark County Comprehensive Plan.**
  
6. How would the proposal be likely to increase demands on transportation or public services and utilities? Proposed measures to reduce or respond to such demand(s) are:  
**The code and manual update project is not anticipated to increase demands on transportation public services. By nature of the required use of Low Impact Development techniques, the management of stormwater will be more dispersed requiring small management systems spread throughout a project site. This may increase future maintenance requirements given the anticipated increase in the number of stormwater facilities and features in county rights-of-way.**
  
7. Identify, if possible, whether the proposal may conflict with local, state, or federal laws or requirements for the protection of the environment.  
**The code and manual update project has been developed to meet state and federal stormwater control requirements in Clark County's National Pollution Discharge Elimination System Phase I Municipal Permit and the Clean Water Act. Updates are aligned with other county codes, to the extent practicable.**

*End of SEPA document*