



Storm Water Questionnaire

Development Review Committee

You are required to fill out Section 1 below. You may also be required to fill out section 2, Long-Term Storm Water Management Plan, if you are proposing to make any site improvements. If you are unsure if you are required to fill out Section 2, please contact Chelsea Lindsey at 801-229- 7574 or cdlindsey@orem.org.

Section 1		
1. Please provide the following information concerning the Project.		
Project Name: <input type="text"/>		
Project Address: <input type="text"/>		
1. Please provide the following information of the property owner.		
Name: <input type="text"/>	Phone: <input type="text"/>	
Mailing Address: <input type="text"/>	City: <input type="text"/>	
Email: <input type="text"/>	State: <input type="text"/>	Zip: <input type="text"/>
2. How will your proposed project affect the Orem City Storm Water system?		

Section 2: Long-Term Storm Water Management Plan

1. What is the total amount of land being disturbed?

2. What are the proposed business operations for this project upon completion?

3. What are the expected pollutants that will be generated after project completion due to business and maintenance operations that will need to be planned for and mitigated? Check all that apply.

<input type="checkbox"/> Sediments - Erosion or soils that are not stabilized.	<input type="checkbox"/> Nutrients - Animal waste, plant debris, sediment, fertilizers, etc.	<input type="checkbox"/> Hydrocarbons- Oils, gasoline, diesel fuel, antifreeze, etc.
<input type="checkbox"/> Heavy Metals - Manufacturing, industrial wastes, vehicles, etc.	<input type="checkbox"/> Toxic Chemicals - industrial chemicals, pesticides, etc.	<input type="checkbox"/> Trash, debris, solids
<input type="checkbox"/> Pathogens - Bacteria, Viruses, Animal/Human waste, etc.	<input type="checkbox"/> Salt - Salt piles, car washing, snow removal, etc.	<input type="checkbox"/> Temperature - Thermal Pollution, industrial waste water, etc.

Other - Please describe:

4. List how each of the individual expected pollutants from question 3 will be mitigated through your site design and/or Standard Operating Procedures.

[A guidance document for Low Impact Development \(LID\)](#) can be found on the Utah Division of Water Quality website at the link provided. Pages 43, 44, and 45 of the link contain flow charts to help determine appropriate BMPs. At least 5 LID practices must be implemented (MS4 Permit ref. 2.4.51.3).

5. Because storm water is considered a resource and not a waste product, what LID systems and/or practices have been evaluated and implemented into this project?

6. If using LID systems and/or practices are found to be technically infeasible, you must provide a rationale as to why they are infeasible and what systems and/or practices were considered including alternatives.

7. If there will be multiple tenants within the scope of this project, who will ultimately be responsible for the inspection and maintenance on the storm drain system after completion of the project? (Individual, Company, HOA, etc.)

8. Please provide a narrative below that describes how the storm drain system is intended to work:

9. How will this development's storm water impact downstream and upstream properties and roadways?

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The property owner is required to comply with and incorporate into their Long Term Storm Water Management Plan (LTSWMP) all of the City of Orem LTSWMP Standard Operation Procedures (SOP's), as the city may amend from time to time. A current copy of these can be located at <https://orem.org/stormwater/>

10. In addition to the City of Orem LTSWMP Standard Operating Procedures (SOP's), are there any site specific SOP's that need to be included in this LTSWMP? If so, please list them below.

Yes

No

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11. Does your site include the use of any Underground Injection Control (UIC) Class V injection wells (dry wells, underground injection chambers, sumps, etc.) to address storm drainage discharge? If so, you must register these class V injection wells with the state UIC Program at <https://deq.utah.gov/water-quality/utah-underground-injection-control-uic-program>. The UIC Facility ID can be found in your authorized-by-rule (ABR) from the state.

Yes

No

12. Please provide your UIC Facility ID here:

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13. If your site is industrial, have you applied for coverage under the state's General Multi-Sector Industrial Storm Water Permit at <https://deq.utah.gov/water-quality/general-multi-sector-industrial-storm-water-permit-updes-permits?>

Yes

No

14. Please provide your permit number here:

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15. Do you plan on harvesting rainwater for reuse as irrigation water? If you are harvesting more than 100 gallons, you are required to register with the State of Utah Division of Water Rights at <https://waterrights.utah.gov/forms/rainwater.asp>.

Yes

No

16. Please provide your permit number here:

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17. Please provide all the parcel numbers for the parcels that this project will effect. Parcel numbers can be found at the [Utah County Parcel Map](#).

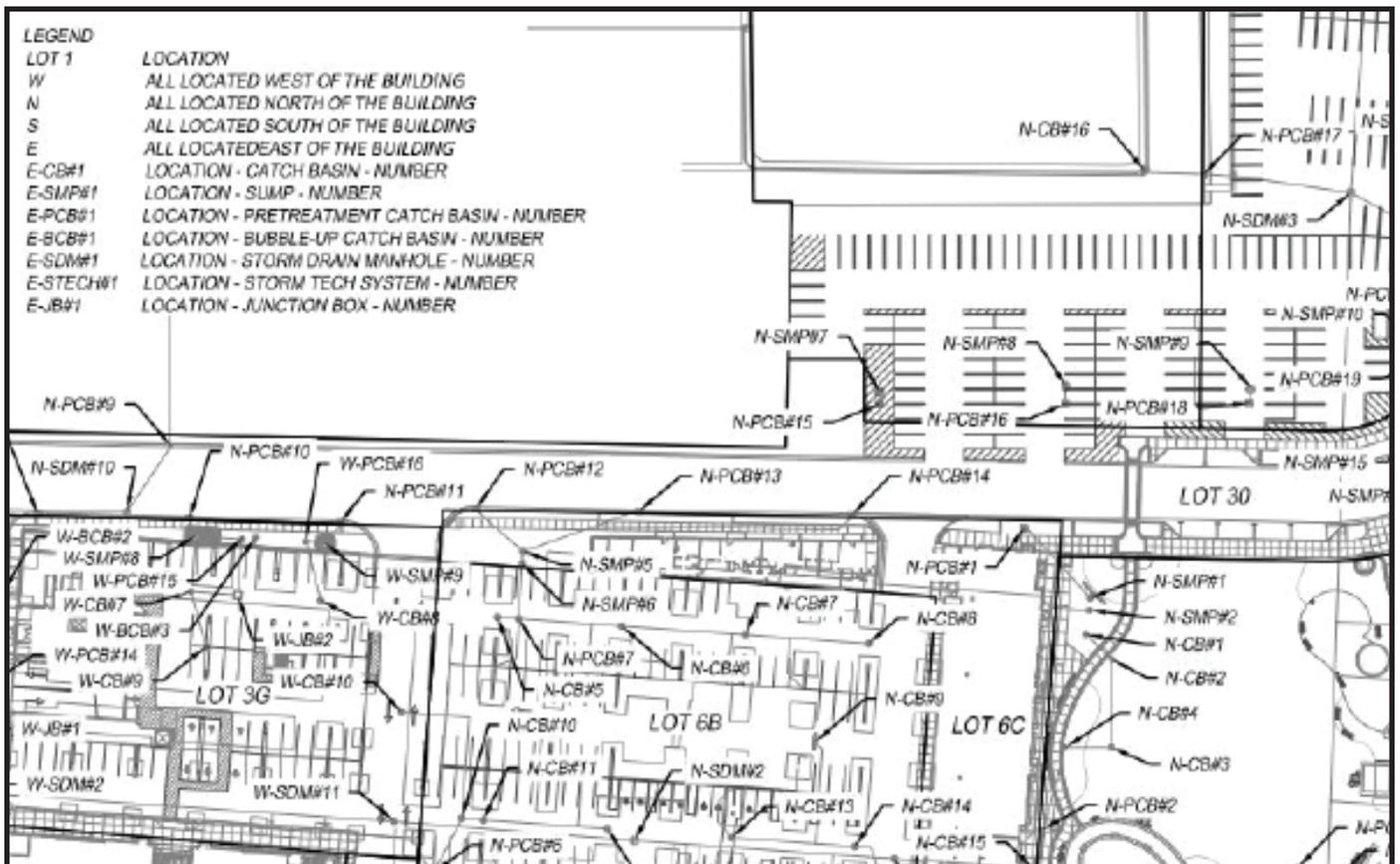
18. Attach a Long Term Storm Water Best Management Practicing (BMP) Site Map to this questionnaire. This is a required document. See below to view an example map.

This map will need to show all of the permanent stormwater BMP's with each BMP labeled with a specific name, for example: Sump #1, Sump #2, Sump #3, Pretreatment Catch Basin #1, Pretreatment Catch Basin #2, Pretreatment Catch Basin #3, Inlet #1, Inlet #2, etc. Abbreviations may be used to name each BMP, for example: SMP #1, SMP #2, SMP #3, PCB #1, PCB #2, PCB #3, etc.

If abbreviations are used in naming the BMP's a key will need to be provided on the sheet. Examples of BMP's that will need to be shown and named are: Curb Cuts, Detention Ponds, Inlets, Pipes, Pretreatment Catch Basins, Rain Gardens, Retention Ponds, Roof Drains, Standard Catch Basins, Sumps, Swales, Underground Storage, etc. (See Orem City Code 23-4-8(8)(B)(1))

Feel free to contact Chelsea Lindsey at 801-310-6278 or cdlindsey@orem.org with any question or concerns.

Example Long Term Storm Water BMP Site Map:



After review of this questionnaire, Orem City may require a maintenance agreement be made. If so determined, contact Chelsea Lindsey at 801-229-7574 or cdlindsey@orem.org.

Office Use Only: Is a maintenance agreement required for this project?

Yes

No