



BELLEVUE SURFACE WATER ENG Site Assessment and Planning Packet

Instructions for completing this packet:

- This packet is to be completed during preliminary site assessment and planning, and preliminary land use planning application
- See Appendix D1 for definitions of terms used in this packet
- See [Chapter D2](#) for submittal requirements

The Goals of this packet are to:

- Provide basic project information
- Document how the project proposes to minimize:
 - Impervious surfaces
 - Loss of native vegetation
 - Stormwater runoff
- Demonstrate how the project proposes to comply with Minimum Requirement #5 –On-site Stormwater Management

A. APPLICANT INFORMATION

Company/Agency/Owner: _____

Contact Person: _____

Address: _____

Phone: _____

Email: _____

Signature: _____

Date: _____

B. PROJECT INFORMATION

Permit No. (provided by City): _____

Project Address or Project Boundaries: _____

Parcel No.: _____

Project Type:

- Residential Commercial Industrial Public

Project is:

- New or redevelopment Remodel Retrofit

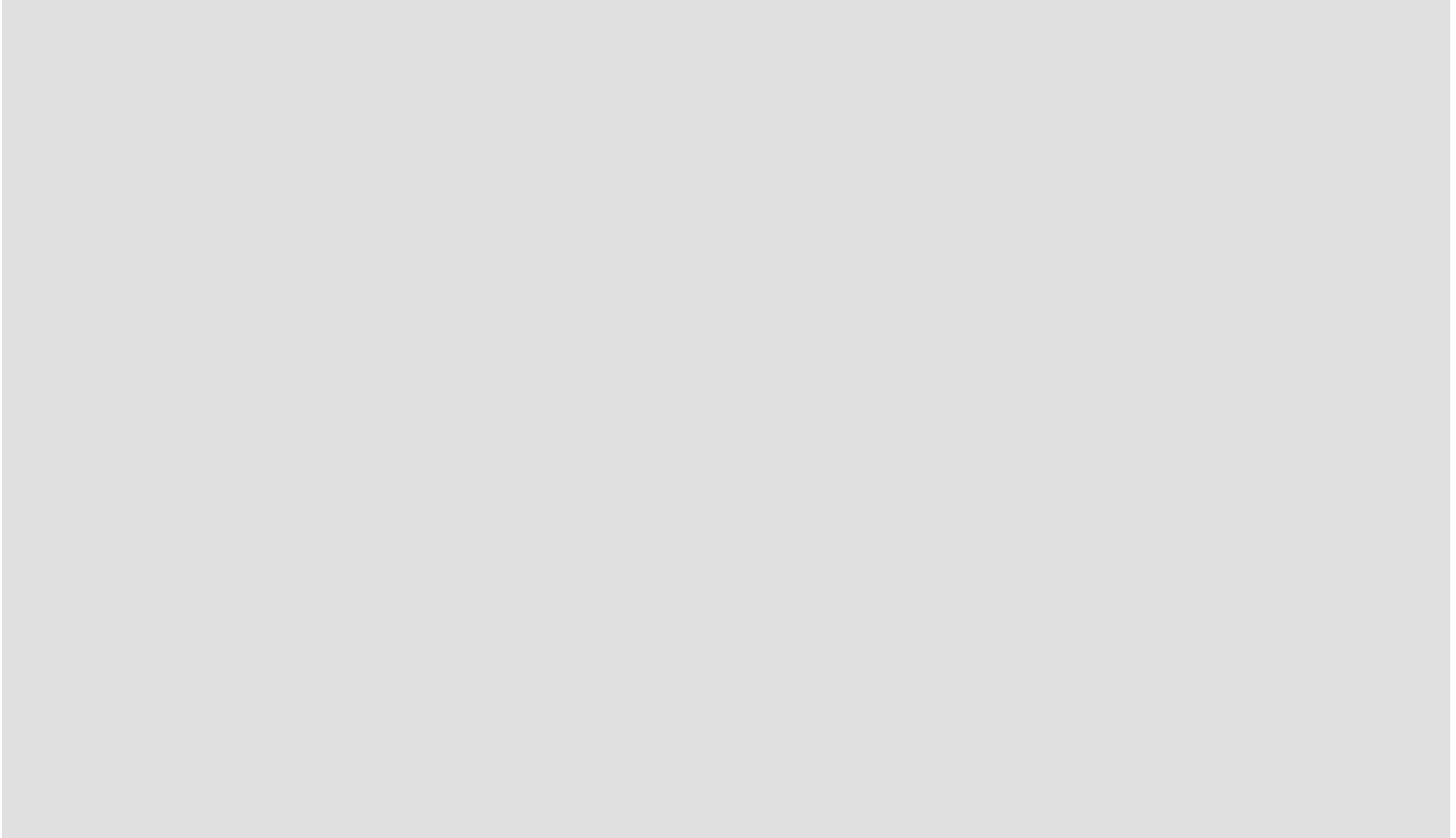
Combination (describe :) _____

C. CREATE SITE COMPOSITE MAP

Develop a composite site map

as you collect site information in Section D.

See example in [figure 1.2 chapter D1](#) of the Engineering Standards. This map must be submitted as part of the completed packet, and will be used as a basis for the site design.



D. EXISTING SITE INVENTORY AND ANALYSIS CHECKLIST

Use this portion of the packet to document the site inventory and analysis. For additional information on each portion of the analysis, refer to, [Chapter D1](#) of the Engineering Standards.

1. PROJECT BOUNDARIES AND STRUCTURES

Identify/Delineate on map:

- Project boundaries (limits of disturbance) _____
- Existing and proposed buildings _____
- Required infiltration and dispersion setbacks (please describe) _____
- Location and extent of proposed foundations and footing drains _____

2. SOILS

- Characterize existing soil type(s): _____
- What is the depth to seasonal high groundwater (feet)? _____
- Is bedrock present? Yes No If yes, depth (feet): _____
- What is the long-term design native soil infiltration rate (inch/hour): _____
- Identify source(s) of information used: _____

3. CRITICAL AREAS

See the Critical Areas Regulations on the city website

<http://www.codepublishing.com/WA/Bellevue/LUC/BellevueLUC2025H.html>

Identify and map any Critical Areas located on the project site and within the project vicinity

- Streams: _____
- Wetlands: _____
- Floodplains: _____
- Riparian areas: _____
- Critical aquifer recharge areas: _____
- Geologically hazardous areas: _____
- Other: _____

4. DEWATERING

- Provide estimated groundwater dewatering flow rates during construction: _____
- Provide estimated post construction groundwater dewatering flow rate: _____

5. TOPOGRAPHY

- Describe site topography and slopes: _____
- Identify/Delineate on map:
- Areas of flat ($\leq 5\%$), moderate (5% -15%), and steep ($\geq 15\%$) slopes
 - Closed depressions

6. HYDROLOGIC PATTERNS & FEATURES

Identify/Delineate on map:

- Sub-basin(s) _____
- Existing drainage swales and ditches (please describe) _____
- Location(s) of any natural seeps or springs (please describe) _____
- Existing discharge location(s) from each sub-basin and overall project site: (please describe) _____
- Signs of existing erosion (please describe) _____
- Other: _____

7. VEGETATION

- Native vegetation type(s): _____

- Approximate tree canopy coverage (acres)^a:
- Number of trees (greater than 8-inch diameter)^b: _____
- Identify source(s) of information used: _____

Notes:

- a. Tree canopy area may be estimated from current aerial photographs and/or documented field observations. Mark on composite map and provide copy of source information
- b. Number of significant trees with a diameter equal to or greater than 8 inches are to be surveyed per the City of Bellevue Boundary & Topo-graphic Survey submittal requirements.

8. LAND USE CONTROLS

- What is the project site zoning?
- Describe landscaping requirements: _____
- Describe parking requirements: Describe any applicable comprehensive plan designation, zoning classification, and/or overlay districts that may apply to the site: _____
- Does a Shoreline Master Program apply to the site? Yes No
If yes, describe:
- Other: _____

9. ACCESS

Identify/Delineate on map:

- Roads, driveways, and other points of ingress and egress within 50 feet of the project site
- Identify the street classification of the street that will provide access to the site, per the City of Bellevue Transportation Design Manual: _____
- Identify frontage improvement requirements: _____
- Identify and describe any other geometric design requirements that could impact the amount of impervious surface coverage on the site and the location of the access road/driveway: _____

10. UTILITY AVAILABILITY AND CONFLICTS

Identify/Delineate on map:

- Existing utilities and easements present on and adjacent to the project site, including utility owner. Also note any utility or easement setback requirements that affect site planning: _____
- Existing utilities that may need to be moved and new utilities that may need to be extended to the site: _____

E. EXISTING AND PROPOSED SITE LAND COVER AREAS

Fill in the table below to summarize existing and proposed site land cover areas. The completed table will be used to assess the proposed plans for minimizing impervious areas, loss of vegetation, and stormwater runoff.

	Existing Condition	Proposed Condition
Vegetated Areas		
Tree canopy in acres (Copy values from Part D7)		
Number of trees (Copy values from Part D7)		
Landscape area (acres)		
Total project site vegetated area (acres)		
Total project site vegetated area (%)		
Hard Surface Area		
Hard surface (acres)		
Total Project site hard surface (%)		
Change		
Increase/decrease in vegetated areas (acres)		
Increase/decrease in vegetated areas (%)		
Increase/decrease in hard surface areas (acres)		
Increase/decrease in hard surface areas (%)		

F. POTENTIAL LID BMP MATRIX

For each LID BMP being evaluated, use the infeasibility criteria in Appendix D9 to determine whether the LID BMP is infeasible for your project. Document the result of that evaluation here.

	Feasibility/Infeasibility Evaluation			
	Feasible	Infeasible	Not Applicable	If infeasible, provide justification
Post-Construction Soil Quality and Depth				
Full Dispersion				
Bioretention				
Downspout Dispersion				

Perforated Stubout Connection				
Retain Existing Trees				
Permeable Pavement				
Sheet Flow Dispersion				
Concentrated Flow Dispersion				
Vegetated Roofs				
Minimal Excavation Foundations				
Rain Water Harvesting				
New Trees				