A. Background

1. Name of proposed project, if applicable:
   Verizon Wireless MEC Expansion

2. Name of applicant:
   Russell Fleming, Foresite Group LLC

3. Address and phone number of applicant and contact person:
   811 SW 6th Avenue, Suite 1000, Portland, Oregon 97204, (404) 932-9774

4. Date checklist prepared:
   02/07/2022

5. Agency requesting checklist:
   King County

6. Proposed timing or schedule (including phasing, if applicable):
   Construction Start: 2022
   Construction End: 2023

7. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain.
   There are no additional site improvements planned to follow this addition.

8. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal.
   An emissions worksheet has been prepared as a part of this proposal.

9. Do you know whether applications are pending for governmental approvals of other proposals directly affecting the property covered by your proposal? If yes, explain.
   No known governmental approvals are pending.

10. List any government approvals or permits that will be needed for your proposal, if known.
   King County Land Use Permit, Clearing and Grading Permit, Construction Permit, Building Permit; City of Redmond Sewer and Water connection Permits; State of Washington Temporary Erosion and Sediment Control Permit

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.)
   The proposed project includes a building expansion for an additional telecommunications equipment. Any site grading and repaving necessary to accommodate building expansion.

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.

23015 NE Alder Crest Dr, Redmond, WA 98053
Section 34, Township 26N, Range 06W
-122.03216, 47.69236

B. Environmental Elements

1. *Earth*

a. General description of the site:

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

b. What is the steepest slope on the site (approximate percent slope)?
A 20% slope near the southeast driveway.

c. What general types of soils are found on the site (for example, clay, sand, gravel, peat, muck)? 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.
Asphalt concrete pavement is 6.5-8.5 inches thick. Alderwood gravelly sandy loam is found on the subject site. The soil is suitable for use as a structural fill solely during dry season. It would be difficult to impossible to use on-site soil during wet weather.

d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe.
Geotechnical investigation has not found any unstable soils in the immediate vicinity.

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.
1.70 acres of the existing asphalt concrete parking lot and landscaped area is being replaced with a building addition and paved area. Approximately 3,000 cu.yds. of fill is anticipated.

f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe.
Yes; removal of paving during clearing and the addition of fill during construction could result in erosion if control measures are not implemented.

g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)?
Overall impervious coverage is 85% of lot.

h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any:

Erosion control measures for the site include silt fence, filter fabric inlet protection, block and gravel inlet protection, sodding, and silt fence with hay bales.

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.

Construction: Dust, construction equipment exhaust, and typical noise and odors associated with construction activities.

Post Construction: Vehicle exhaust, communication facility equipment

b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe.

No sources of emissions or odors have been observed.

c. Proposed measures to reduce or control emissions or other impacts to air, if any:

Dust control during construction as required.

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.

Yes, there is a stormwater detention pond approximately 90 feet east from the closest area to be disturbed.

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.

Yes, the building expansion work will include excavation, paving and utility construction within 200 feet of the existing pond.

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.

No fill or dredge material is proposed to be placed in or removed from surface water or wetlands

4) Will the proposal require surface water withdrawals or diversions? Give general description, purpose, and approximate quantities if known.

Not applicable. Project will not withdraw or divert surface water.

5) Does the proposal lie within a 100-year floodplain? If so, note location on the site plan.

Proposal does not lie within the 100-year floodplain.

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.

Proposal does not involve the discharge of waste materials.

b. Ground Water: [help]

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.

Proposal does not involve groundwater withdrawal.

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.

Proposal does not involve discharge of waste material into the ground.

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.

Storm runoff from target surfaces will be collected and detained on site then discharged to the existing pond to the east. Runoff from existing surfaces will bypass the detention system and be discharged into the existing pond to the east.

2) Could waste materials enter ground or surface waters? If so, generally describe.

No, a water quality system will treat storm water prior to existing the site.

3) Does the proposal alter or otherwise affect drainage patterns in the vicinity of the site? If so, describe.

No; site storm water facilities will discharge to the existing pond to the west as they have historically.

d. Proposed measures to reduce or control surface, ground, and runoff water, and drainage pattern impacts, if any:

A conveyance system is proposed to collect stormwater from new impervious areas and detain them prior to discharging to the existing pond to the east.

4. Plants [help]

a. Check the types of vegetation found on the site:

_X__deciduous tree: alder, maple, aspen, other
_X__evergreen tree: fir, cedar, pine, other
_X__shrubs
_X__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?
Existing trees along the east property boundary will be removed as a part of the construction activities. Shrubs and grasses located in landscaped areas will be removed.

b. List threatened and endangered species known to be on or near the site.
No threatened or endangered species are known to be near the site.

d. Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any:
Landscaping along the eastern access drive to replace removed trees.

e. List all noxious weeds and invasive species known to be on or near the site.
No noxious weeds or invasive species are known to be near the site.

5. Animals [help]

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.

Examples include:

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

None known.

b. List any threatened and endangered species known to be on or near the site.
None known.

c. Is the site part of a migration route? If so, explain.
None known.

d. Proposed measures to preserve or enhance wildlife, if any:

None proposed.

e. List any invasive animal species known to be on or near the site.

No invasive species are known to be near the site.

6. Energy and Natural Resources [help]

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.

Electricity and natural gas already serve existing communications building. The addition will need service as well.

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

Project will not affect potential use of solar energy by adjacent properties.

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:

No proposed energy conservation features.

7. Environmental Health [help]

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.

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

Per geotechnical investigation of this site, no known or possible contamination has occurred on this site.

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.

On site generators are fed by diesel fuel tanks.

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.

Oil and Gas will be used for construction vehicles. Diesel fuel generators will be fed by 12,000-gal double wall fuel tanks with a 110% rupture capacity.

4) Describe special emergency services that might be required.

None anticipated.

5) Proposed measures to reduce or control environmental health hazards, if any:
Spill control systems are proposed to prevent any spills of hazardous liquids from entering receiving waterbodies. Fuel tanks are double walled with 110% rupture capacity.

b. Noise

1) What types of noise exist in the area which may affect your project (for example: traffic, equipment, operation, other)?
Traffic noise from Alder Crest Drive. Generators on site.

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.
During construction increased noise is anticipated during construction hours allowed by King County. During regular operation the noise levels will remain consistent with current noise levels.

3) Proposed measures to reduce or control noise impacts, if any:
Construction activities will only occur during the allowed periods per King County. As frequently as feasible generators will only be run during the day 7 am – 5 pm.

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.
The project looks to add a building expansion to the existing approved use. The adjacent properties all are commercial, except for the west property being a public park/ recreational fields.

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?
No, project site is currently developed.

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:
No, surrounding lands are not working farms or forest lands.

c. Describe any structures on the site.
A 40,858 SF structure houses offices and wireless communications facilities.

d. Will any structures be demolished? If so, what?
Yes; existing parking lot, existing utility lines, existing bollards, and existing sidewalk.

e. What is the current zoning classification of the site?
Industrial Park

f. What is the current comprehensive plan designation of the site?
Industrial

g. If applicable, what is the current shoreline master program designation of the site?
Not applicable, not on shoreline.

h. Has any part of the site been classified as a critical area by the city or county? If so, specify.
No, county does not have critical areas on site.

i. Approximately how many people would reside or work in the completed project?
No more than 20 people will work in the facility.

j. Approximately how many people would the completed project displace?
None

k. Proposed measures to avoid or reduce displacement impacts, if any:
Not applicable, there will be no displacement impacts.

L. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any:
The proposed project is a building expansion for the existing building. Its use will be the same as the current building's.

m. Proposed measures to reduce or control impacts to agricultural and forest lands of long-term commercial significance, if any:
None.

9. Housing

a. Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing.
None.

b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing.
None.

c. Proposed measures to reduce or control housing impacts, if any:
None, no housing impacts proposed.

10. Aesthetics [help]

a. What is the tallest height of any proposed structure(s), not including antennas; what is the principal exterior building material(s) proposed?
The highest structure is 27' tall. The principal material proposed is brick.

b. What views in the immediate vicinity would be altered or obstructed?
None.

c. Proposed measures to reduce or control aesthetic impacts, if any:
None proposed.

11. Light and Glare [help]

a. What type of light or glare will the proposal produce? What time of day would it mainly occur?
Proposed project will add minor site lighting in work areas. Proposed lighting will remain consistent with existing site lighting.

b. Could light or glare from the finished project be a safety hazard or interfere with views?
No, site is partially covered by trees and lights are faced toward the site.

c. What existing off-site sources of light or glare may affect your proposal?
None.

d. Proposed measures to reduce or control light and glare impacts, if any:
Site lighting will face into the site and tree plantings will be used to add additional cover.

12. Recreation [help]

a. What designated and informal recreational opportunities are in the immediate vicinity?
None.

b. Would the proposed project displace any existing recreational uses? If so, describe.
None.

c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any:
Not applicable.

13. Historic and cultural preservation [help]

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? If so, specifically describe.
Review of King County maps reveals no historical sites near parcel.

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.
Review of King County maps reveals no Indian or historic use/ occupation.

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.
Historical Maps and GIS data were reviewed.

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.

14. Transportation [help]

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.
Alder Crest Drive currently serves the site. New site access will be provided on the Private access drive shared with the property south of the existing 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?
The affected area has Dial-A-Ride Transit route 224 serving the site with a Park & ride stop southwest of site. Construction is not near stop.

c. How many additional parking spaces would the completed project or non-project proposal have? How many would the project or proposal eliminate?
22 additional, 44 removed

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).
No improvements proposed.

e. Will the project or proposal use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe.
No.

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?
Completed project will not generate additional trips for the site.

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.

h. Proposed measures to reduce or control transportation impacts, if any:
Not applicable.

15. Public Services [help]

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.

Proposal will not increase the need for public service beyond what is needed for the current structure.

b. Proposed measures to reduce or control direct impacts on public services, if any.

Not applicable.

16. Utilities [help]

a. Circle utilities currently available at the site:
electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system, other _____fiber_____

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.

Underground power will be routed along the east property line to serve the building expansion. A reconnection to the sewer lateral will be done onsite and the existing domestic water will be used to service the expansion. A fire service connection on the line south of the site will connect serve the building expansion.

C. Signature [HELP]

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: _____

Name of signee __Russell Fleming_____

Position and Agency/Organization ___Foresite Group, LLC_____

Date Submitted: __2/8/2022_____

Section I: Buildings

Type (Residential) or Principal Activity (Commercial)	# Units	Square Feet (in thousands of square feet)	Emissions Per Unit or Per Thousand Square Feet (MTCO2e) Embodied	Energy	Transportation	**Lifespan Emissions (MTCO2e)**
Single-Family Home	0		98	672	792	**0**
Multi-Family Unit in Large Building	0		33	357	766	**0**
Multi-Family Unit in Small Building	0		54	681	766	**0**
Mobile Home	0		41	475	709	**0**
Education		0.0	39	646	361	**0**
Food Sales		0.0	39	1,541	282	**0**
Food Service		0.0	39	1,994	561	**0**
Health Care Inpatient		0.0	39	1,938	582	**0**
Health Care Outpatient		0.0	39	737	571	**0**
Lodging		0.0	39	777	117	**0**
Retail (Other Than Mall)		0.0	39	577	247	**0**
Office		0.0	39	723	588	**0**
Public Assembly		0.0	39	733	150	**0**
Public Order and Safety		0.0	39	899	374	**0**
Religious Worship		0.0	39	339	129	**0**
Service		0.0	39	599	266	**0**
Warehouse and Storage		0.0	39	352	181	**0**
Other		16,623.0	39	1,278	257	**26167516**
Vacant		0.0	39	162	47	**0**

Section II: Pavement

Pavement		57,429.00				**2871450**

Total Project Emissions: **29038966**

Data entry fields