PUYALLUP PUBLIC SCHOOLS
ENVIRONMENTAL CHECKLIST
Project #08-01-16 Northwood Elementary Replacement project

A. BACKGROUND

1. Name of proposed project, if applicable:

   Northwood Elementary Replacement, PSD project #08-01-16

2. Name of applicant:

   Puyallup School District #3

3. Address and phone number of applicant and contact person:

   Brian Devereux
   Director of Facilities Planning
   302 – 2nd St SE
   Puyallup, WA 98372

4. Date checklist prepared:

   January 30, 2017

5. Agency requesting checklist:

   Puyallup School District #3 (the "District")

6. Proposed timing or schedule (including phasing, if applicable):

   Project construction start date is March 2018, with the substantial completion date of September 2019. These dates include demolition of existing school building and final site work.

7. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain.

   No future additions, expansions or other activities are connected with this proposal.

8. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal.

   Geotechnical Report with Initial Report and foundation recommendations, by Associated Earth Sciences Inc. dated October 10, 2016.

   Critical Areas Report Addendum, by Sewall Wetland Consulting, Inc. dated January 20, 2017.

   Transportation Technical Report for Northwood Elementary School Replacement, by Heffron Transportation, Inc., January 27, 2017.

   Conceptual Site Plan.

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.

A Boundary Line Adjustment application including two district-owned parcels at this location was submitted to the City of Edgewood on January 19, 2017. A Conditional Use Permit application for this project was also submitted January 19, 2017.

10. List any governmental approvals or permits that will be needed for your proposal, if known.

City of Edgewood – Conditional Use Permit, & Building, Demolition, Grading, Stormwater Management Permit, & Fire Department review/permit.
Tacoma Pierce County Health Department, State of Washington Labor & Industries,

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.

Puyallup School District (PSD) proposes to replace the existing Northwood Elementary school with a new 80,600 sf, (two-story elementary school at its current site. The existing school will be open during construction of the new school. The proposed building is on a shy 15-acre site with frontage on 24th Street East.

The existing school currently accommodates approximately 430 students with 20 classrooms (14 classrooms in building and 6 classrooms in portables). The new school will accommodate approximately 730 students with 34 classrooms and will also include new commons/cafeteria, gymnasium & library.

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 project site is located at 9805 24th St E, Edgewood, WA 98371

LEGAL DESCRIPTION:
THAT PORTION OF THE WEST HALF OF THE SOUTHEAST QUARTER OF THE NORTHEAST QUARTER OF SECTION 9, TOWNSHIP 20 NORTH, RANGE 4 EAST, OF THE WILLAMETTE MERIDIAN ,IN THE CITY OF EDGEWOOD, COUNTY OF PIERCE, STATE OF WASHINGTON, LYING WEST AND NORTH OF THE FOLLOWING DESCRIBED LINE; COMMENCING AT THE SOUTHEAST CORNER OF THE SAID WEST HALF; THENCE NORTH 01°45'37" EAST ALONG THE EAST LINE OF SAID WEST HALF 30.00 FEET TO THE NORTH MARGIN OF 24TH STREET EAST; THENCE NORTH 88°32'25" WEST ALONG SAID NORTH MARGIN 274.64 FEET TO THE POINT OF BEGINNING; THENCE NORTH 01°45'37" EAST ALONG A LINE PARALLEL WITH THE EAST LINE OF SAID WEST HALF 563.66 FEET TO THE MOST WESTERLY POINT OF THAT CERTAIN UTILITY EASEMENT RECORDED UNDER PIERCE COUNTY RECORDING NUMBER 200909160255; THENCE NORTH 35°19'02" EAST ALONG SAID EASEMENT AND ITS NORTHEASTERLY EXTENSION 306.66 FEET; THENCE SOUTH 88°25'59" EAST 105.12 FEET TO THE EAST LINE OF SAID WEST HALF AND THE TERMINUS OF THIS DESCRIBED LINE. ALSO EXCEPT ANY PORTION THEREOF LYING WITH THE RIGHT-OF-WAY OF 24TH STREET EAST.

B. ENVIRONMENTAL ELEMENTS

1. EARTH

a. General description of the site (circle one); flat, rolling, hilly, steep slopes, mountainous, other:

Site is relatively flat but gently slopes upward from 24th St E to the North property line.

b. What is the steepest slope on the site (approximate percent slope?)

The steepest slope on the site is approximately 40% and is located along the westerly property line. This appears to be a manmade slope with an elevation change of less than 5-feet.

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.

Boring logs revealed that most of the site is comprised of medium dense to very dense native lodgment till at fairly shallow depths. At the lowest southern portion of the site, a thick deposit of silts with a variable organic content was found.

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

City of Edgewood critical areas maps do not show any areas of known landslide activity on the project site. Geotech report did not reveal any geological hazards associated with steep slopes, erosion zones, or landslide zones.

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.

Earthwork activities will occur as part of the site redevelopment in order to accommodate the infrastructure, amenities and proposed building construction. The earthwork quantities include approximately 25,600 cubic yards of cut and 9,400 cubic yards of fill. Soil exported from the site will be disposed of at a legal off-site disposal facility and soil imported to the site will be from an approved off-site source.

f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe.

Erosion could occur as a result of clearing and construction activities; however, the contractor will be required to implement the temporary erosion and sediment control plan during construction to reduce erosion potential. Once the project construction is complete, the site will be stabilized with permanent measures such as paving, buildings, and landscaping to eliminate continued erosion potential.

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

The site will be covered with approximately 29% impervious surfaces after construction. This includes 49,800 square feet of building area and approximately 135,000 square feet of pavement. For this calculation, the proposed pervious concrete and asphalt surfaces were not counted as impervious surfaces.

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

A temporary erosion and sediment control (TESC) plan will be prepared as part of the design drawings and will be implemented by the contractor during construction to reduce the potential for site erosion and sediment laden water leaving the site. The TESC plan will include items such as a stabilized construction entrance, silt fencing, catch basin insert protection, sediment ponds, requirements for covering stockpiles, temporary stabilization measures, and dust control. In addition, the NPDES permit obtained by the Owner and transferred to the contractor will require the contractor to perform turbidity monitoring on any stormwater leaving the site during construction to ensure compliance with City of Edgewood and Department of Ecology regulations.

2. AIR

a. What types of emissions to the air would result from the proposal (i.e., dust, automobile, odors, industrial wood smoke) during construction and when the project is completed? If any, generally describe and give approximate quantities if known.

During construction, typical construction emissions are expected. There will be a small increase (approximate quantities are unknown) in exhaust emissions from construction vehicles and equipment, and a temporary increase in fugitive dust due to earthwork for the project. The most noticeable increase in emissions and fugitive dust would occur during demolition and earthwork. Exhaust emissions would also be generated from construction worker vehicles and equipment traffic to and from the site. The number of workers at the project site at any one time would vary depending upon the nature and construction phase of the project.
These potential air quality impacts would be temporary in nature, occurring during construction activities. The mitigation listed below, in Section 2.c, would ensure that the effects of construction activities on air quality would be minimized.
Upon completion of construction, air quality in the vicinity of the site is anticipated to remain the same.

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

There are no off-site sources of emissions or odors that would affect the proposed project.

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

The contractor chosen for the proposed project would be required to comply with Puget Sound Clean Air Agency (PSCAA) regulations. Regulations that apply to the proposed project include Regulation I, Section 9.11 prohibiting the emission of air contaminants that would or could be injurious to human health, plant or animal life, or property; and Regulation I, Section 9.15 prohibiting the emission of fugitive dust, unless reasonable precautions are employed to minimize the emissions. See also the mitigation listed in section B.1.h., above.

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 wetland on adjacent properties to the east of the project site. The property is adjacent to headwaters of Simons Creek.

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.

No work is anticipated to occur within the wetland boundary. Work will occur within 200-feet of the wetland for redevelopment of the school property and includes grading, utilities, landscaping and paving.
Limited work may also occur within the wetland buffer and includes grading and paving for the construction of paths, walkways & drive aisle.

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 will be placed in or removed from the wetland as part of this proposal.

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

The project would not require surface water withdrawals or diversions.

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

The project site does not lie within a 100-year flood plain.

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.

The project will not involve any discharges of waste materials to surface waters.

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.

No ground water would be withdrawn and no water would be discharged to ground water.

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.

No waste material would be discharged into the ground.

c. Water Runoff (including storm water):

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.

Stormwater runoff from the project site will be collected in a series of catch basins and pipes. Runoff from pollution generating impervious surfaces such as parking lots and driveways will be routed into a water quality facility to provide treatment prior to discharging into a flow control facility. Runoff from non-pollution generating impervious surfaces such as roofs will be routed through bioretention areas for onsite stormwater management BMPs before discharging into the flow control facility. The drainage system will be designed to meet the requirements of the City of Edgewood which has adopted the 2015 Pierce County Stormwater Manual. Pipes conveying the mitigated stormwater will discharge into the roadside swale on the north side of 24th Street E matching the existing site drainage patterns.

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

No. The contractor will be required to properly store, handle and dispose of waste materials therefore it is unlikely that they could enter ground or surface waters.

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

No. Existing drainage patterns on the site will be maintained as part of the project.

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

Proposed measures to reduce or control surface and stormwater runoff impacts include implementing an erosion and sediment control plan during construction and providing permanent water quality and flow control facilities to manage stormwater in accordance with City of Edgewood requirements from the completed project.

4. PLANTS

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.
_**X**__ wet soil plants: cattail, buttercup, bullrush, skunk cabbage, other
____ water plants: water lily, eel grass, milfoil, other
____ other types of vegetation

b. What kind and amount of vegetation will be removed or altered?

Existing lawn and planting areas will be removed and replaced from around the existing school building and entry parking, approximately. Some larger trees will need to be removed in accordance with the City of Edgewood tree preservation requirements. Approximately 8.7 acres of landscape area will be altered and /or replaced with new landscape.

c. List threatened or endangered species known to be on or near the site.

None known.

d. Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any:

Lawn and planting areas around the new school will be planted with grass and with native and drought resistant plantings of shrubs and groundcover. New specimen trees will be planted on site where feasible and or required by local ordinance.

e. List all noxious weeds and invasive species known to be on or near the site.

None known.

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.

Geese, Coyote, and Rabbits.

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 or endangered species known to be on or near the site.

None known.

c. Is the site part of a migration route? If so, explain

Pacific Flyway.

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

Not applicable.

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

None known.

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.

During construction, gasoline, & diesel powered equipment would be used.
The new building will use electricity and natural gas to serve the building lighting, food service facilities, heating and ventilation.

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

No, proposed building will not block the 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:

Proposed new school will be designed to meet Washington Sustainable School Protocol for high performance schools.
All exterior walls and roof will be fully insulated to meet current energy codes.
All storefronts & windows will be insulated with tinted low e glass along S. and W. facing façade, and exterior windows will have blinds to reduce heat buildup and glare.
The project is not expected to have adverse energy impacts, and efforts will be made to utilize energy saving equipment during construction and operation

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.

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

No environmental health hazards are expected to result from this proposal.
This site is current location of existing Northwood Elementary School. No known contamination at the school.

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

None.

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.

The proposed project will require gasoline and diesel fuel to be used during construction phase of the new school. All fuel will be stored in approved EPA containers

4) Describe special emergency services that might be required.

The project is not expected to have negative impacts on environmental health; therefore, no mitigation is required.

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

The project is not expected to have negative impacts on environmental health; therefore, no mitigation is required.

b. Noise

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

Traffic off 24th St. and construction from housing development along W. property line.

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.

Short term: Construction activities – 3/18 -9/19.
Most of the noise will occur during the initial site development phase at the early part of construction. Noise will be generated by trucks and earth moving equipment required for grading and site utility work. Followed by normal construction activity. Towards end of the construction period, additional heavy construction equipment will be on site to demolish and remove existing school building, and complete site work.

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

Construction activities would be restricted to hours and levels designated by City of Edgewood code requirements . If construction activities exceed permitted noise levels, PSD would instruct the contractor to implement measures to reduce noise impacts to comply with the Noise Control Ordinance, which may include additional muffling of equipment.

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

Public Elementary School.

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.

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.

c. Describe any structures on the site.

Wood framed single story 29,214 sf Elementary School w/ concrete Gymnasium, 5 portable classrooms and metal covered play structure.

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

All of the existing school building and covered play structure will be demolished. Existing portable classrooms will be removed from site by the owner.

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

Public.

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

Public.

g. If applicable, what is the current shoreline master program designation of the site?

Not applicable.

h. Has any part of the site been classified as a critical area by the city or county? If so, specify.

No.

i. Approximately how many people would reside or work in the completed project?

Approximately 60 staff.

j. Approximately how many people would the completed project displace?

None.

k. Proposed measures to avoid or reduce displacement impacts, if any:

Not applicable.

l. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any:

New building will replace existing building and still function as public elementary school. No change of use with proposed project.

m. Proposed measures to reduce or control impacts to agricultural and forest lands of long-term commercial significance, if any:

Not applicable.

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:

Not applicable.

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.

Approximately 39'.
Proposed exterior building material is brick and painted manufactured cementious siding and panel (Hardie siding/panels) with wood accents. Roofing material will be 3 tab asphalt shingles.

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

The site is not along a designated view corridor.
Along the north section of the site, existing school structure blocks some views of the distant vistas from the adjacent property. To minimize any impact to adjacent property, the new school has been positioned to meet all setback requirements, and have located the fire lane between the new building and the property line to provide additional buffer to the adjacent property.

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

Building form has been designed to fit in with more traditional gabled residential roof forms and with modulation of the facades, reduces the visual presence of the new building.

Materials on the exterior of the new building has been selected to meet City of Edgewood Design Guidelines and to fit in the community.

11. LIGHT AND GLARE

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

Exterior lighting will be added for the new school in manner similar to current, that minimizes spillover and glare.

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

No. Lighting from completed project are not expected to be a safety hazard or interfere with views.

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

None. There are no off-site sources of light or glare that would affect the project.

d. Proposed measures to reduce or control light and glare impacts, if any:

New LED lighting fixtures with shield and accurate optics will reduce spillover and glare.

12. RECREATION

a. What designated and informal recreational opportunities are in the immediate vicinity?

The City of Edgewood offers a variety of recreational opportunities within walking or short drive distance from the school. These include Civic Center Park, Edgemont Park, Nelson Nature Park/Nelson Farm, and the Interurban Trail. Local schools, including Northwood, Edgemont Junior High, and Mt. View Elementary also provide indoor community use (via a Facilities Use agreement and Board Policy 4260) and outdoor recreation on play toys, field use areas. Shopping and dining are also available along Meridian, primarily near the vicinity of 8th St E / SR 161.

b. Would the proposed project displace any existing recreational uses? If so, describe.

Some onsite field and play areas may be temporarily inaccessible at Northwood during construction. The existing baseball field will not be replaced with the new project.

c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any:

The Northwood replacement school will include site amenities such as pedestrian walkways, covered play area, play equipment area, and grass field with a walking track.

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? If so, specifically describe.

No, the existing Northwood Elementary school building was built in 1974, less than 45 years old and is not listed on any preservation registers to the applicant's knowledge.

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.

There are no known landmarks, features, or other evidence of Indian or historic use or occupation. No professional studies have been conducted at the site, and the City of Edgewood does not maintain a local historic register.
The site was disturbed in 1974 for construction of the current school, and no evidence of Indian or historic use or occupation was found.

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.

The Washington Department of Archaeology and Historic Preservation (DAHP) WISAARD site (Washington Information for Architectural and Archaeological Records Data) was checked December 13, 2016 for any record of cultural or historic resources on or near the project site. None were identified in his database.

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.

In the event that suspected historic or cultural artifacts, or objects of suspected archaeological value are discovered during the course of site development, activity in the immediate area will be stopped until a professional archaeologist can assess the discovery. If the professional archaeologist determines the discovery is archaeological material, the Washington State Department of Archaeology and Historic Preservation (DAHP) procedures would be followed.

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

Traffic and parking analyses for this project are documented in the attached *Northwood Elementary School Replacement – Transportation Technical Report* (Heffron Transportation, Inc., January 2017).

The site is accessed directly from 24th Street E, which connects to Meridian Avenue E (State Route 161) to the east and to local City of Edgewood roadways to the west. The existing school is accessed from a single driveway on 24th Street E at the western edge of the site. The proposed replacement school would have two access driveways on 24th Avenue E when opened in 2019. The existing western driveway would be retained to provide access for school buses and staff parking (about 37 spaces). A new driveway in the central portion of the site would provide access to the main family-vehicle load/unload area and visitor parking lot (with about 60 parking). The proposal also includes 13 auxiliary parking spaces on the east side of the main access driveway near the athletic field, bringing the total proposed parking capacity to 110 spaces.

In the longer term, the City of Edgewood plans to complete a grid of streets that would include a new 100th Avenue E along the school site's eastern edge. This new roadway would connect to 24th Avenue E on the south end and a new segment of 20th Street E on the north. A pedestrian access may be added between the school site and the new segment of 100th Avenue E, when it is completed. In addition, the site plan has been developed to allow for a future access modification providing delivery/service vehicles a direct connection to the new segment of 100th Avenue E when these grid streets are constructed and opened.

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 site is not directly served with transit stops; however, Pierce Transit provides bus service within the larger City of Edgewood and Pierce County areas. The closest transit stops are located about ¼ mile to the east on Meridian Avenue E at the 24th Street E intersection (the southbound stop is on the south side and the northbound stop is on the north side). These stops are served by Pierce Transit Route 402, which operates seven days per week between Meridian, Puyallup, and Federal Way. Weekday service is provided from about 5:00 A.M. to 9:00 P.M. with headways (time between consecutive buses) of 30 minutes to an hour.

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

The proposal would replace the existing on-site parking (the site has 59 spaces in its main lot and 7 spaces behind the school for a total supply of 66 spaces) with new parking totaling approximately 110 spaces. In addition, the proposed passenger vehicle and

school-bus load/unload zones are planned to be available for parking during evening and/or weekend events, which could provide capacity for 46 additional vehicles.

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 would be required at off-site roadways or intersections to accommodate the proposed project. However, improvements to 24th Street E along the site frontage, consisting of left-turn storage, are recommended at the east access driveway. Widening of 24th Street E would be required to accommodate transitions and tapers in both directions. The exact design requirements and limits of the widening will be coordinated with the City of Edgewood.

The project would improve the frontages on 24th Street E as required by the City of Edgewood. The City will also require dedication of right-of-way for the new segment of 100th Avenue E planned along the site's eastern edge in compliance with the City's Ordinance 07-0279 which outlines policies to assist staff in implementing the City's Roadway Network Plan. It is expected this roadway would be constructed by the City once all right-of-way has been acquired and full project funding has been secured.

e. Will the project or proposal use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe

The project/proposal would not use (or occur in the immediate vicinity of) water, rail, or air transportation.

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?

Trip generation estimates for the existing and proposed school were determined using rates developed from counts performed at the existing Northwood Elementary School. A daily trip generation rate was derived from counts performed in October 2010. These counts were performed as part of a trip generation study on behalf of the Puyallup School District during review of impact fees due for the placement of portables. The counts and rates were presented in *Puyallup School District – Elementary Schools in Edgewood: Trip Generation Study for City Impact Fee Rate* (Heffron Transportation, Inc., June 2010). Based on the daily trip generation rate derived, the new Northwood Elementary School is expected to generate 1,480 trips per day (740 in, 740 out), which would represent a net increase of about 590 trips per day (295 in, 295 out) compared to the existing school.

The peak traffic volumes are expected to occur in the morning from 8:00 to 9:00 A.M. before school begins and in the afternoon from 2:45 to 3:45 P.M. during dismissal. Based on rates derived from new peak period counts conducted at the school driveway in November 2016, the new Northwood Elementary School is projected to generate 430 morning arrival peak hour trips (240 in, 190 out) and 325 afternoon dismissal peak hour trips (142 in, 183 out). These would represent net increases of 175 trips (98 in, 77 out) during the morning arrival peak hour, and 130 trips (57 in, 73 out) during the afternoon dismissal peak hour.

An estimated 2% to 3% of the daily trips are expected to be larger vehicles consisting of school buses (transporting students to and from the site), delivery trucks (making regular deliveries of food and supplies), and others such as garbage and maintenance vehicles. These estimates were based on video counts of the existing site access driveway.

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.

No.

h. Proposed measures to reduce or control transportation impacts, if any:

The District will coordinate with the City of Edgewood on any modifications to site access (e.g. pedestrian access connection and possible service/delivery vehicle access) once the planned grid streets (100th Avenue E and 20th Street E) are complete. The site plan and access configuration have been designed to accommodate this future grid system of streets.

Improvements to 24th Street E along the site frontage, consisting of left-turn storage, are planned based on recommendations presented in the referenced the *Transportation Technical Report*. The exact design and limits of the widening on 24th Street E for the left-turn storage will be coordinated with City of Edgewood staff based on the various existing constraints including: nearby wetlands; available right-of-way; topographical constraints; and planned future improvements that may be incorporated into the future 100th Avenue E grid street project.

The City of Edgewood is working to implement its Meridian Avenue Corridor Projects, which are identified in the *Edgewood 2035 Comprehensive Plan*. Near the project site, planned improvements include new grid streets along the along the alignments of 20th Street E (Project W-3) and 100th Avenue E (Project W-4). Since the alignment of the planned new segment of 100th Avenue E (Project W-4) falls along the eastern edge of the northern portion of the school site, the Puyallup School District has been coordinating with the City to determine right-of-way dedication requirements. It is expected that the two projects would be constructed by either the City (if and when all necessary right-of-way is acquired) or by other adjacent land owners as part of re-development of their properties. Dedication of right-of-way for the new grid street system would help to reduce overall transportation impacts from the school project.

Prior to opening of the replacement school, the District would review and identify any changes to walk routes, crosswalk locations, and/or crossing guard locations.

The school would develop a transportation and parking management plan to minimize the traffic and parking impacts associated with large events. The plan would identify on-site locations for event parking (e.g. bus or passenger call load/unload zones) and ensure that all parking areas are open and available during large events. If large events are anticipated to generate demand that would exceed the on-site event parking supply, the school would examine ways to reduce the demand and event attendance (e.g. through splitting events based on grade levels).

The District will require the selected contractor to develop a construction management plan (CMP) that addresses traffic and pedestrian control during school construction. It will define truck routes, lane closures, walkway closures, and parking disruptions, as necessary. The CMP may also include measures to keep adjacent streets clean on a daily basis at the truck exit points (such as street sweeping or on-site truck wheel cleaning) to reduce tracking dirt offsite. The CMP should identify parking locations for the construction staff; construction employee parking should be contained on-site.

15. PUBLIC SERVICES

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

As this project is a replacement of existing public elementary school, same public services that are currently being provided will be maintained.

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

Not applicable

16. UTILITIES

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

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.

Gas – Puget Sound Energy
Electricity – Puget Sound Energy
Water – City of Milton
Sewer – Lakehaven Water & Sewer
Storm – City of Edgewood

With the exception of gas, all the other utilities are currently available onsite. During construction, water and electricity will be provided from the existing services on site. Additional storm water measures will be provided to meet all city and county code requirements.

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: Brian Devereux

Name of signee: Brian Devereux

Position and Agency/Organization: Facilities Planning Director, Puyallup School District

Date Submitted: 1/30/2017