



**PUYALLUP SCHOOL DISTRICT #003
ENVIRONMENTAL CHECKLIST
Pope Elementary School Renovation and Addition
Project #17-01-16**

A. BACKGROUND

1. Name of proposed project, if applicable:

Pope Elementary School Renovation and Addition

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:

June 29, 2018

5. Agency requesting checklist:

Puyallup School District #3 (the “District”)

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

Construction scheduled to begin in spring 2019. Project completion by September 2020.

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 by Associated Earth Sciences, Inc. dated 1/31/2018
Transportation Technical Report by Heffron Transportation dated 6/12/2018

Subsurface Exploration, Infiltration Testing and Design Infiltration Rate Determination by Associated Earth Sciences, Inc. (expected 7/2018)

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.

None known.

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

- **Administrative Design Review (ADR)**
- **Commercial (Site) Development Permit**
- **Traffic Impact Analysis Review**
- **Building Permit**
- **Mechanical Permit**
- **Plumbing Permit**
- **Commercial Sprinkler Underground**
- **Water Systems (Commercial)**
- **Electrical Permit**
- **Gate Permit**
- **Department of Ecology Construction Stormwater General Permit**
- **Firgrove Mutual Developer Extension**
- **Firgrove Mutual Water main and fire hydrant review**
- **Health Department Food Plan Review**
- **Health Department School Plan Review**
- **Health Department On-Site Sewage Development Review**
- **Health Department Septic Installation 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.

The Puyallup School District proposes to renovate the existing 43,000 square foot elementary school, build a 34,450 square foot addition to the north of the existing, and improve the existing site amenities across the 9.56 acre property. Existing portable classrooms are planned to be removed from the site.

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.

**15102 - 122nd Ave E, Puyallup, WA 98374
Range 04E Township 19N Section 23**

The existing building to be renovated is located in the SW quadrant of the site. The new addition will be constructed directly to the north of the existing building.

B. ENVIRONMENTAL ELEMENTS

1. EARTH

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

Flat

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

The school property is relatively flat, with gradual elevation change of approximately 11 feet from the southeast corner to the northwest corner of the property. The steepest slope is approximately 11% located at the southeast corner of the property.

- 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.

Upper site soils consist of sandy gravels and gravelly sands with scattered cobbles, underlain by silts, sands, and gravels. Playfields and landscaping areas are mantled by sod and topsoil. All surficial site soils were likely disturbed by previous grading activities, and they do not appear to have any commercial or agricultural value. Sod and topsoil materials will be stripped off during the proposed site development.

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

No evidence of instability was observed on or near the site.

- 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.

Based upon preliminary earthwork quantities, it is anticipated that there will be approximately 1,600 cubic yards of stripped organic material that will need to be exported from the site. To construct the proposed improvements, there could be up to approximately 20,000 CY of onsite material that will either be excavated and/or used throughout the site for establishing new grades, with approximately 4,000 CY that will be reused as fill, approximately 1,500 CY mounded on site, and approximately 14,500 CY of excess material that could be exported from the site. However it is anticipated that portions of the onsite material will not be suitable for fill,

and will have to be exported from the site, and new suitable fill material will have to be imported to the site. The exact quantity of unsuitable material can vary during construction depending on conditions, but it is anticipated that approximately 2,000 CY of material will have to be exported from the site and suitable structural fill material imported as necessary.

The source of any required imported fill will be determined by the General Contractor selected for the project, but it will be from a permitted and approved source.

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

There may be some temporary disturbances during construction of the school building and pavement areas where erosion could occur. Temporary erosion control BMPs will be used to minimize the extent of erosion and mitigate its impacts. The contractor will be required to implement the temporary erosion and sediment control plan during construction to reduce erosion potential. Areas of temporary disturbance will be restored with landscaping, paved walkways, asphalt paving or buildings as permanent stabilization.

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

Currently, the property has approximately 34% existing impervious coverage. After the completion of the proposed project the total school property will have approximately 60-65% impervious coverage.

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

A temporary erosion and sediment control 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. Temporary erosion and sedimentation control BMPs are anticipated to include but will not be limited stabilized construction entrance, silt fencing, catch basin insert protection, sediment mitigation facilities in the form of ponds or tanks, requirements for covering stockpiles, temporary stabilization measures, and dust control. Construction water quality treatment measures will be implemented to minimize erosion and to treat stormwater runoff during construction. BMPs specific to the site and project will be specified in the construction contract documents that the contractor would be required to implement.

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.

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

No.

- 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.

No

- 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

- 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.

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

No, the project will 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.

No, per Pierce County Mapping the site is not listed within the 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.

No

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.

Ground water will not be withdrawn for drinking water or other purposes. The project does propose to discharge a limited amount of runoff into the native soils as allowed by the Pierce County drainage code, where feasible. The quantity of storm water proposed to discharge into the native soils is not known at this time.

- 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.

The property is served by an existing on-site sewage system, which discharges domestic wastewater to the subsurface soils. The septic and pump tanks will be replaced to accommodate the remodel. All work will be permitted and reviewed by Tacoma Pierce County Health Department. Wastewater flows will not be increased above existing.

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.

The source of runoff from the site will be from rainfall landing on the building roofs and exterior paved surfaces. A storm drainage plan will be prepared in accordance with Pierce County requirements. Stormwater will be mitigated, where feasible, by BMPs including Pierce County approved water quality facilities where required, and a combination of a detention pond, below grade open bottom storage chambers, and detention vault options. Stormwater runoff leaving the structured facilities on-site will either be discharged into adjacent

stormwater pipes or be allowed to infiltrate into the ground to mimic native hydrology conditions, as future modeling and County review allows.

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

There will be no direct connection between drain field effluent and ground or surface waters.

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

The project does not propose to alter the existing drainage patterns. Currently the existing drainage system within the project area generally discharges into the existing storm water facility west of the school property. The proposed project will continue to route stormwater flows leaving the site to the west into the existing drainage system, matching the existing conditions accordingly. During large storm events that will overflow the detention pond, it is proposed that the overflow storm water will flow north through a County owned and maintained pipe network and discharge into the Pierce County Hemlock Pond.

- 4) 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 treatment to qualifying pollution generating surfaces and flow control facilities to manage stormwater of disturbed project areas in accordance with Pierce County requirements.

4. PLANTS

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

☒ 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, 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 Shoreline tree

preservation requirements. Approximately 7.2 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. Outlying areas will be planted with seeded meadow grasses. 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.

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

None known

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

Site planning will strive to retain existing trees and native vegetation where possible. New plantings will incorporate mostly native plants which will provide habitat opportunities on site as well as educational value to the students.

- 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. Electric and natural gas will be used to meet the project's energy needs. Solar power is also under consideration.

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

No

- 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:

This project will exceed the Washington State Energy Code. High performance LED lighting will be used, 98% efficient hydronic heating boilers, ECM fans, etc. for maximizing energy savings.

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. **No**

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

None

- 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.

Natural gas utility PSE will be brought to the new site.

- 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.

None, VOC's during construction are minimized with the attempt to not use at all

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

None, however, an emergency eye/wash shower will be available on site during construction and will also be installed in the boiler room and available once occupied. Cleaning chemicals will be stored in the boiler room.

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

Not applicable

b. Noise

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

Traffic along 122nd Ave E and 152nd St E. Air traffic from Thun Field.

- 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 noise; Long term: mechanical equipment including the transformer and chiller. All noise generated on site will conform to regulations outlined in Chapter 173-60 of the Washington Administrative Code (WAC).

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

The design team includes an acoustic engineer who will be evaluating the anticipated noise levels on the site and proposing solutions to meet the requirements of WAC if required.

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 site is currently occupied by an elementary school, play fields, and parking that is dedicated to the facility. The proposed improvements will not affect current land uses on nearby or adjacent properties.

- 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.

The site is currently occupied by Pope Elementary School, which is comprised of a one-story building, nine single-classroom portable buildings, and a covered play structure.

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

The portables will be removed and the covered play will be relocated.

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

Moderate Density Single Family. Primary educational facilities, such as Pope Elementary, are a permitted use within this zone.

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

Pierce County South Hill Land Use Designations Map shows this site within the Moderate Density Single Family land use designation.

- 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?

The school would be occupied by between 600 - 730 students and 60-70 staff members

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

Pope Elementary students and staff will be temporarily relocated to the existing Firgrove Elementary building during the 2019-20 school year during the Pope building renovation. Students and staff will return to Pope Elementary for the 2020-21 school year.

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

School bus service will be provided for all students attending Pope Elementary residing within the school's attendance area during the 2019-20 when the school is temporarily relocated to the existing Firgrove Elementary building, including students that reside within the school's walk zone area.

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

The proposal to renovate and expand the Pope Elementary permanent facilities will not result in a change of use. The site will continue as an elementary school. Additional sidewalks will be constructed as part of road frontage improvements supporting safe routes to schools to/from neighboring communities.

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

None proposed

9. HOUSING

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

Not applicable

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

Not applicable

- 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.

35 feet tall; masonry and metal panel

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

None

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

The new addition will employ similar massing and exterior materials to the existing building. It will also provide new plantings and porches at entries to provide a welcoming gesture to the public.

11. LIGHT AND GLARE

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

The site luminaires shall consist of building-mount luminaires for walkways around the building and pole-mount luminaires for parking lots and driveways with walkways. The luminaires shall be full-cutoff resulting in zero direct light pollution. The luminaires shall be positioned and shielded for minimal light trespass while maintaining safety.

- 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 known

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

The site luminaires shall contain shielding as necessary for minimal light trespass while maintaining safety.

12. RECREATION

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

Pope Elementary will continue to provide a large play field, covered play shed, and play toy areas. The school campus is limited for school use during the school day, and available to the community after school and on weekends.

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

The Pope Elementary campus will largely be inaccessible to the public from summer 2019 through summer 2020 while under construction.

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

None proposed

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

- 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.

None known

- 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 June 26, 2018 for records of cultural or historic resources on or near the project site. No records were identified in this using this 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 will 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

The site is located at 15102—122nd Avenue E in unincorporated Pierce County. Access is currently provided from three driveways. The main parking lot and passenger vehicle load/unload area is accessed from one driveway on 122nd Avenue E and one on 152nd Street E; a small paved service area located south of the main building is accessed from a second driveway on 152nd Street E. Access to and from the site and vicinity are provided by 122nd Avenue E (a Secondary Arterial) and 152nd Street E (a Secondary Arterial).

The project would reconfigure site access, reconfigure on-site vehicle queuing/stacking capacity, and increase parking supply. The driveway on 152nd Street E that serves the main parking lot would be relocated westward approximately 160 feet (centerline-to-centerline). The existing service area access driveway on 152nd Avenue E would be retained in its current location but would be reconfigured as an outbound-only access with an internal entry provided from the main parking lot. The driveway on 122nd Avenue E that serves the main parking lot would be retained in its current location but would be reconfigured to restrict access to right-in/right-out movements only. School-bus load/unload is planned to remain along the east side of 120th Avenue Court E, where an enhanced load zone would be developed with a new curb and sidewalk with a curb-side pullout.

- 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 Pierce County and City of Puyallup. The closest transit stops are located over 1.3 miles to the west on Meridian Avenue E (State Route [SR] 161). Stops serving northbound and

southbound buses are located at the 152nd Street E intersection and are served by Pierce Transit's Route 402 that connects to Federal Way via South Hill Mall, Puyallup, and Edgewood.

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

The existing school site has on-site parking that occurs in a main lot east of the school building. The main parking lot has 69 striped spaces; a small paved service area located south of the main building is unstriped but is occasionally used by staff for parking (three to six cars).

The main school parking lot would be reconfigured and expanded to provide 111 parking spaces and enhanced passenger car load/unload zone. The school-bus load/unload zone along 120th Avenue Court E and the on-site passenger-vehicle load/unload zones may also be available for parking during non-school hours (such as for evening or weekend events) providing capacity for about 40 additional vehicles, for a total capacity of 151 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 intersections to accommodate the proposed Pope Elementary School Remodel / Expansion project. However, frontage improvements along 152nd Street E would consist of extending the center left-turn to serve the relocated main access driveway and making frontage improvements including curb, gutter, and sidewalk. The exact design and limits of the widening on 152nd Street E would be coordinated with Pierce County based on the various existing constraints including: proximity of nearby intersecting roadways, available right-of-way, sightline needs, and topographical constraints.

The planned restriction to right-in/right-out only for the access driveway on 122nd Avenue E would require a raised centerline C-curb be installed on 122nd Avenue E across the driveway and that roadway illumination be provided at that access driveway per County standards.

To provide adequate entering sight distance to the east from the western service/loading access on 152nd Street E, a sightline easement will be established that requires maintenance of the area within the sight triangle.

- 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?

The project would replace portable classrooms with permanent building space and provide enrollment capacity of 730 students—an increase of 22 students compared to its existing capacity with the portables. Trip generation estimates for the existing and proposed school were determined using rates developed from counts performed at the existing Pope Elementary School. A daily trip generation rate was derived from counts performed in October 2017. Based on the daily trip generation rate derived, the remodeled Pope Elementary School is expected to generate 1,160 trips per day (580 in, 580 out), which would represent a net increase of about 40 trips per day (20 in, 20 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 October 2017, the remodeled Pope Elementary School is projected to generate 520 morning arrival peak hour trips (281 in, 239 out) and 320 afternoon dismissal peak hour trips (134 in, 186 out). These would represent net increases of 15 trips (8 in, 7 out) during the morning arrival peak hour, and 10 trips (4 in, 6 out) during the afternoon dismissal peak hour.

An estimated 6% of the daily trips are larger vehicles consisting of school buses transporting students to and from the site during morning arrival and afternoon dismissal; transport vans (e.g. YMCA or transport for homeless students); delivery trucks (making regular deliveries of food and supplies); and others such as garbage and maintenance vehicles. Since the project is only project to increase capacity by 22 students, no change the number of larger vehicles is anticipated due to the remodel.

- 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.

The project/proposal is not expected to interfere with, affect or be affected by the movement of agricultural and forest products on roads or streets in the area.

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

The District will coordinate with the Pierce County on required modifications to site access and frontage improvements along 122nd Avenue E, 152nd Street E, and 120th Avenue Court E. The exact design and limits of the widening on 152nd Street E will be coordinated with County staff based on the various existing constraints including proximity of nearby intersecting roadways, available right-of-way, sightline needs, and topographical constraints.

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

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; to the extent possible, 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.

No significant increases for public services over what exists today is anticipated as part of this project.

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

The project site and building are designed in accordance with CPTED (Crime Prevention Through Environmental Design) and to accommodate fire truck access to the building. The new school building will be equipped with security systems, fire detection and alarms, and a complete wet sprinkler fire protection system. Battery backup will provide an emergency power source for egress lighting and alarm systems. Fire flow requirements will be met, as will requirements for emergency responder radio reception.

16. UTILITIES

- a. Circle utilities currently available at the site: electricity, natural gas, 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.

PSE power is on site and will remain. The current 2000 amp switchboard will remain in place and extend power to the addition.

PSE will provide natural gas service to the site from the street main.

Water – Firgrove Mutual – Water Main Extension including additional hydrant. Modifications and additions to water system will be provided to Purveyor code requirements.

Storm – Pierce County – Stormwater mitigation measures will be provided to meet all County requirements

During construction, water and electricity will be provided from the existing services on site.

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: 6/29/2018