



**Puyallup School District
SEPA Environmental Checklist
Project #32-03-18 - Ballou Junior High Classroom Addition**

A. BACKGROUND

1. Name of proposed project, if applicable:

Ballou Junior High School Renovation and Addition, PSD project #32-03-18

2. Name of applicant:

Puyallup School District

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

**Brian Devereux
Director of Facilities Planning
302 – 2nd St SE
Puyallup, WA 98372
253-841-8772**

4. Date checklist prepared:

August 22, 2019

5. Agency requesting checklist:

Puyallup School District

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

Construction will begin in the spring of 2020 and conclude in the fall of 2021.

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

No. Plans to demolish the old Firgrove Elementary building was included in the project scope of the Firgrove Elementary Replacement project Mitigated Determination of Non-Significance (MDNS) issued September 6, 2017.

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

- **FEMA Habitat Assessment Summary by The Watershed Company, dated 12/30/2016**

- **NGPA Wetland Wetland Verification Report by The Watershed Company, dated 12/30/2016**
- **Firgrove ES Geotechnical Report by GeoEngineers, dated 11/17/2016**
- **Ballou JH Geotechnical Report by GeoEngineers, to be completed Summer 2019.**
- **Traffic Scoping Memo by Heath & Associates, to be completed September 2019.**

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.

- **Commercial (Site) Development Permit**
- **Building Permit**
- **Mechanical Permit**
- **Plumbing Permit**
- **Fire Suppression Permit (Deferred)**
- **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 School Plan Review**

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 project will include selective renovation of Ballou Junior High School with a one-story addition of classrooms, library, and support spaces located to the south of the existing buildings, and a one-story addition of an auxiliary gym and community restrooms to the east of the existing main gym. The anticipated areas of work will include 10,900 sf of renovation and 19,700 sf of new construction. When complete, the campus is intended to accommodate up to 1,000 students. Related site work will include but not be limited to revised fire access, new storm water management, utilities, courtyard improvements, and outdoor pedestrian circulation.

Students and staff will continue to occupy the Ballou campus during construction beginning in the spring of 2020 and concluding in the fall of 2021.

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 address for the school is 9916 - 136th Street East, Puyallup, WA 98373.

LEGAL DESCRIPTION: PARCEL A

THE NORTHEAST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 16, TOWNSHIP 19 NORTH, RANGE 4 EAST, W.M., IN PIERCE COUNTY, WASHINGTON;

EXCEPT THE EAST 30 FEET FOR SECONDARY STATE HIGHWAY NO. 5N; AND EXCEPT THE NORTH 30 FEET FOR 136TH STREET EAST; AND

EXCEPT THAT PORTION CONVEYED TO PIERCE COUNTY BY STATUTORY WARRANTY DEED RECORDED UNDER RECORDING NUMBER 201603080061; AND

EXCEPT THE SOUTHEAST QUARTER THE NORTHEAST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 16, TOWNSHIP 19 NORTH, RANGE 4 EAST, OF THE W.M.

LEGAL DESCRIPTION: PARCEL B

THE SOUTHEAST QUARTER OF THE NORTHEAST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 16, TOWNSHIP 19 NORTH, RANGE 4 EAST, W.M., IN PIERCE COUNTY, WASHINGTON

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?)

In general, the site slopes within the proposed project area range between around 2% to 5%. There are some limited areas along the south portion of the site, that slopes are between 20-35%.

- 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.

Based upon the Geotechnical Engineering Services Report, prepared by GeoEngineers, dated November 17, 2016 and July 2019, the underlying soils within the project area generally consist of existing fill or reworked soils (fill), lacustrine ice-contact deposits (lacustrine soils), and glacial till like soils (glacial till).

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

No

- 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 1,000 cubic yards of stripped organic material that will need to be exported from the site. To construct the proposed improvements, there will be approximately 4,500 CY of onsite material that will be excavated and used throughout the site for establishing new grades, with approximately 1,600 CY of additional material that will be imported to the site. The project will strive to balance onsite earthwork quantities such that the amount of material imported to the site is limited. 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 500 CY of material will have to be exported from the site and suitable structural fill material imported as necessary. The source of this fill will be determined by the General Contractor selected for the project sourced from an approved off-site location.

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

There may 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. 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 total existing school property (both tax parcels) that encompass both the existing Firgrove elementary school (constructed 2019) and Ballou Jr High School, has approximately 43% existing impervious coverage. After the completion of the proposed project the total school property (both tax parcels) will have approximately 45-50% impervious coverage.

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

Temporary erosion and sedimentation control BMPs including but not limited to silt fencing, temporary construction entrance, catch basin inlet protection, temporary sediment ponds, and 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.

There is an existing wetland and buffer located within a recorded NGPA along the west boundary of the school property, per the NGPA Wetland Verification Report, prepared by The Watershed Company, dated December 30, 2016.

- 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.

The project does not propose any work within the wetland or buffer, as described above. All work will be outside and adjacent to the recorded NGPA.

- 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.

None

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

No

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

There is a 100-year floodplain elevation, as mapped by Pierce County, along the west side of the school property. However, the project does not propose any improvements within this 100-year floodplain area.

- 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 treated surface stormwater runoff into the native soils, where

feasible. The quantity of stormwater proposed to discharge into the surface native soils is approximately 3 Ac-ft per year.

- 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 materials will be discharged into the groundwater.

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 and managed by a series of traditional and low impact development BMPs including but not limited to bioretention ponds, permeable pavement, underground piping, above grade open pond. Portions of the treated stormwater runoff will be infiltrated into the native site soils where feasible, with the remaining mitigated stormwater flows being discharged into the existing stormwater facility located in the southwest portion of the site.

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

It is not anticipated that waste materials would enter surface or ground waters. The project will provide water quality treatment facilities and pollutant source control measures as required per Pierce County to treat stormwater water runoff prior to infiltrating into the site soils.

- 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 to the west into the existing stormwater facility in the southwest corner of the school property. The proposed project will continue to route flows to the west into the existing drainage system, matching the existing conditions accordingly.

- 4) Proposed measures to reduce or control surface, ground, and runoff water, and drainage pattern impacts, if any:

Flow control BMPs and stormwater facilities in accordance with Pierce County requirements will be utilized to mitigate surface runoff from the project. These include utilizing low impact development techniques, such as bioretention ponds and permeable pavement as the first tier of stormwater management and limited infiltration into the native site soils. Further mitigation and infiltration of stormwater will be provided by above grade ponds to provide the required mitigation prior to discharging into the existing drainage system.

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. Approximately 5.4 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.

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

This region is part of the Pacific Flyway.

- 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.

Electric power will be extended to the new Addition for the lighting, heating and water heating needs. Natural gas will be extended to the Addition for space heating and domestic water heating. The Aux Gym and renovation areas will utilize existing utilities.

- 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:

The new classroom addition building will be designed to meet exceed Washington Sustainable School Protocol for high performance schools. High efficiency condensing boilers and water heaters (96% eff) will be used along with ECM fans and high efficiency VAV controls. High efficacious LED light fixtures will be used throughout all new spaces. Light fixtures in interior spaces will dim automatically when daylight is present. Occupancy/ vacancy sensors will turn off light fixtures when no one is using spaces.

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.

None known or discovered after searching the Washington State Dept. of Ecology's "What's in My Neighborhood" cleanup site web map.

- 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 lines will be routed underground.

- 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 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.

None known.

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

Any waste from treated wood, paint, solvents, glue, roofing tars, and other dangerous materials will be disposed of properly under the Dangerous Waste Regulations. The applicant will choose less hazardous materials and find safer alternatives, when possible.

- 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 136th St. E. and Meridian E. is the predominate noise generator in the project vicinity. School bells and other noise typical of a school site exist onsite.

- 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 cooling tower. 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 shared school campus includes Ballou Junior High and Firgrove Elementary (and Pope Elementary for the 2019-20 school year only). Residential homes are adjacent to the site to the south and west. Meridian Avenue East and 136th Street East are located east and north of the site. The proposal will not change the existing use and will not have a significant impact on adjacent uses.

- 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.

Focusing on the Ballou Junior High Campus only, the site is currently occupied by (3) one-story buildings and 11 portable buildings, containing 13 classrooms.

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

The portable buildings are planned to be demolished and/or relocated off campus as part of this project.

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

The site is currently zoned Community Center (CC). However, a proposed update to Pierce County's South Hill Community Plan shows a proposed

“Urban Corridor” zoning designation. Both zones permit the existing K-12 school use outright.

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

The current Pierce County – South Hill Community Plan shows this property designated as Community Center (*Map J-6: Land Use Designations*).

- 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.

As stated in Section 3. WATER, the property does have an existing wetland and floodplain along a portion of its western boundary. The site is also within an Aquifer Recharge Area.

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

There are no residents. There would not be a significant change to the number of staff that currently work at Ballou JH as a result of this project.

- 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:

The site will remain developed for educational purposes only.

- 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.

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.

34 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 proposed building additions are sited to the east and south sides of the existing junior high buildings. The eastern addition is set back a considerable distance from the 136th St. E., and the south addition will not be visible from 136th. Beyond that, the building additions will match the heights of the adjacent existing structures. As such, the proposal will not have a visual impact on either the streetscape nor adjacent residential properties.

11. LIGHT AND GLARE

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

All new exterior light fixtures will be mounted on the new soffits and utilize full cut-off shielding producing zero light pollution. Lighting will typically be on in the mornings from 6am to 9am and in the evenings from 4pm to 11pm.

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

None of the new light fixtures will produce any light trespass at the property line.

- 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 new exterior light fixtures are located on the new building soffits where they can produce no light pollution and are too far from the property lines to produce light trespass.

12. RECREATION

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

Meridian Habitat Park, South Hill Community Park, Heritage Recreation Center as well as the Nathan Chapman Trail are all location within a one-mile vicinity, as well as playground and field space available within the Ballou Junior High and Firgrove Elementary campus.

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

Only onsite recreational spaces may be temporarily inaccessible during project 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, the existing Ballou Junior High School buildings are less than 45 years old.

- 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.

Research was conducted on 8/20/2019 using the Washington Department of Archaeology and Historic Preservation (DAHP) WISAARD site (Washington Information for Architectural and Archaeological Records Data) shows no record of cultural or historic resources at Ballou Junior High.

- 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

The project will maintain access from 136th Street E, a Pierce County arterial. No direct access proposed from the adjacent Meridian Avenue E / SR-161 to the east. Further to the west of Ballou is 94th Avenue E which is a north-south county arterial.

- 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 nearest Pierce Transit route is located adjacent to the site on SR-161, identified as Route 402. The school will continue to be served by Puyallup School District buses as well.

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

The project will not increase nor decrease the number of parking spaces provided on site.

- 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).

It is not anticipated that this project will trigger any new or improvements to existing transportation infrastructure. This will be verified through the permitting process with Pierce County Planning and Public Works on this project.

- 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?

Trip generation estimates are developed using standard rates published in the Institute of Transportation Engineers' [ITE] Trip Generation Manual (10th Edition, 2017) for Middle School/Junior High School (Land Use Code 522).

Based on these published ITE rates and the planned increase in capacity from 939 current students (June 2019) to 1,000 students, the planned building capacity, the project is forecast to result in a net increase of 130 daily trips, 43 trips during the school AM peak hour and 21 trips during the school PM peak hour. The peak traffic volumes are expected to continue occurring in the morning from 6:45 to 7:45 A.M just before school begins and in the afternoon from 2:00 to 3:00 P.M. during dismissal.

An estimated 4% to 5% of the daily trips are larger vehicles consisting of school buses transporting students to and from the site during morning arrival and afternoon dismissal; delivery trucks (making regular deliveries of food and supplies); and others such as garbage and maintenance vehicles. Since the project would increase capacity by 61 students, the only notable change could be an additional bus to 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.

No

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

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.

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

None proposed.

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.

Existing power and phone services shall be utilized. PSE will extend the existing gas service to serve the areas of new construction. All trenching will be shared to minimize cost and future impacts. PSE regulations will be followed regarding depth of utilities and proper separation. Water and fire are being designed by the civil engineer with connection made to the existing onsite water system. New phone service to building by Century Link; tied in to existing underground services. Existing on-site water main will be replaced at the request of the water district.

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: Director of Facilities Planning, PSD

Date Submitted: Aug. 22, 2019