

ENVIRONMENTAL CHECKLIST

for

TUKWILA SCHOOL DISTRICT

Thorndyke Elementary School Renovation and Modular Addition

January 24, 2019

Prepared For:

**Dr. Lester "Flip" Herndon, Interim Superintendent & SEPA Official
Tukwila School District
4640 South 144th Street
Tukwila, WA 98168**

Prepared By:

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SEPA ENVIRONMENTAL CHECKLIST

Purpose of checklist:

Governmental agencies use this checklist to help determine whether the environmental impacts of your proposal are significant. This information is also helpful to determine if available avoidance, minimization or compensatory mitigation measures will address the probable significant impacts or if an environmental impact statement will be prepared to further analyze the proposal.

Instructions for applicants:

This environmental checklist asks you to describe some basic information about your proposal. Please answer each question accurately and carefully, to the best of your knowledge. You may need to consult with an agency specialist or private consultant for some questions. You may use "not applicable" or "does not apply" only when you can explain why it does not apply and not when the answer is unknown. You may also attach or incorporate by reference additional studies reports. Complete and accurate answers to these questions often avoid delays with the SEPA process as well as later in the decision-making process.

The checklist questions apply to all parts of your proposal, even if you plan to do them over a period of time or on different parcels of land. Attach any additional information that will help describe your proposal or its environmental effects. The agency to which you submit this checklist may ask you to explain your answers or provide additional information reasonably related to determining if there may be significant adverse impact.

Instructions for Lead Agencies:

Please adjust the format of this template as needed. Additional information may be necessary to evaluate the existing environment, all interrelated aspects of the proposal and an analysis of adverse impacts. The checklist is considered the first but not necessarily the only source of information needed to make an adequate threshold determination. Once a threshold determination is made, the lead agency is responsible for the completeness and accuracy of the checklist and other supporting documents.

Use of checklist for nonproject proposals:

For nonproject proposals (such as ordinances, regulations, plans and programs), complete the applicable parts of sections A and B plus the [SUPPLEMENTAL SHEET FOR NONPROJECT ACTIONS \(part D\)](#). Please completely answer all questions that apply and note that the words "project," "applicant," and "property or site" should be read as "proposal," "proponent," and "affected geographic area," respectively. The lead agency may exclude (for non-projects) questions in Part B - Environmental Elements –that do not contribute meaningfully to the analysis of the proposal.

A. Background

1. Name of proposed project, if applicable:
Thorndyke Elementary School Renovation and Modular Addition

2. Name of applicant:
Tukwila School District

3. Address and phone number of applicant and contact person:
Applicant:
Tukwila School District
Dr. Lester “Flip” Herndon, Interim Superintendent & SEPA Official
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4. Date checklist prepared:
January 24, 2019

5. Agency requesting checklist:
Tukwila School District

6. Proposed timing or schedule (including phasing, if applicable):
Construction is anticipated to begin in late spring/early summer of 2019 and conclude in fall of 2019, assuming land use approval in spring of 2019, and building permit issuance in spring of 2019.

7. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain.
No, all plans for Thorndyke Elementary School are described in this SEPA Checklist.

8. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal.
Prepared:
-Technical Information Report prepared by AHBL INC. dated October 2018
-Critical Areas Report prepared by Grette Associates dated October 2018
-Geotechnical Report prepared by GeoEngineers dated August 20, 2018
- Draft Traffic and Access Review prepared by Heffron Transportation dated Dec. 16, 2018
- Photometric/Lighting Analysis prepared by Tres West Engineers, Inc. dated January 2019

To be Prepared:

-Temporary Erosion Control Plan to be prepared with final design.

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.

There are no pending approvals or other proposals.

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

City of Tukwila

Conditional Use Permit

Administrative Design Review

Building Permits

Site Development Permits

Fire Protection System Permits

11. Give brief, complete description of your proposal, including the proposed uses and the size of the project and site. There are several questions later in this checklist that ask you to describe certain aspects of your proposal. You do not need to repeat those answers on this page. (Lead agencies may modify this form to include additional specific information on project description.)

The Tukwila School District proposes renovations and improvements to the existing Thorndyke Elementary School to add an Early Childhood Education and Assistance Program (ECEAP). The program will accommodate 80 pre-school age children (likely 40 in the AM program and 40 in the PM program). A summary of project elements is listed below:

- **Add two new modular classrooms in one 2,224-square-foot building. The new classrooms will be attached to the east of the existing school with a new corridor**
- **Extend overflow parking area in west of site to create 35 additional spaces and restripe existing parking area. Connect existing parking area to parent drop off loop, thereby extending the pick-up/drop-off queue lane**
- **Extend Early Learning Play Area onto existing lawn and garden area south of building**
- **Upgrade playground equipment**
- **Install new restoration plantings and planting areas in various locations on site**
- **Improve field drainage (optional)**
- **Renovate building interiors, including new carpeting, additional toilets, etc.**
- **Renovate building exteriors, including repairing and repainting siding, replacing siding and roofing overlay.**

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.

Thorndyke Elementary School is located at 4415 S 150th St, Tukwila, WA 98188, on Parcel No. 004200-0280.

The legal description for this parcel is: ADAMS HOME TRS 2ND ADD S 1/2 OF LOT 6 TGW ALL LOTS 7, 8, 9, 10, 11, 12, 13 AND 14 TGW E 100 FT OF LOT 15 OF BLOCK 3 TGW S 160 FT OF LOTS 1 & 2 AND ALL OF LOTS 19 AND 20 BLOCK 4 TGW VACATED 46TH AVE S ADJOINING LOTS 10 & 11 BLOCK 3 AND LOTS 1 AND 20 BLOCK 4 - PARCEL 1 OF CITY OF TUKWILA LOT CONDOLIDATION NO L99-0030 RECORDING NO 9906239003 LESS RD PER DEED 20070308001666

The project site is located in Section 22, Township 23, Range 4. A vicinity map showing the location of the project site is included below.



Vicinity Map

B. Environmental Elements

1. Earth

a. General description of the site:

Site topography is generally flat throughout the majority site, with elevation differences up to approximately 3 to 4 feet over the northern half of the campus. The site also gently slopes downward toward the southeast corner of the campus where the grass soccer field is located. The southern end of the parcel includes moderate slopes ranging from 15%-40%, however site work will not take place in this area.

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

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

There are small areas in the southern portion of the property (outside of the development footprint) with slopes of approximately 30%-40%.

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.

According to the Geotechnical Report prepared by GeoEngineers, test pits showed sand with silt and variable gravel content which was interpreted to be fill. Beneath the fill, glacial till was observed. There are no agricultural soils on the property. Onsite soils are not mapped by the Natural Resources Conservation Service's (NRCS) Web Soil Survey.

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

Within the project area, the site is generally flat and there are no indications of unstable soils. Moderate slopes with some landslide potential may exist in the southern end of the parcel, however this area was not evaluated as it is outside of the area of planned improvements.

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.

The new paving that connects the existing parking and drop-off area to the southwest of the existing plaza will match the existing grades. The additional parking lot will slope toward the west at roughly 3% slope. The new modular classrooms will match the existing finished floor elevation. The existing play area will be extended and will require a 5-foot (max.) retaining wall.

In total, approximately 900 cubic yards of cut and 450 cubic yards of fill is proposed. Fill will be imported from a local source (soils onsite are not suitable for structural fill).

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

It is possible that some erosion could occur as a result of grading and construction. A Temporary Erosion and Sediment Control Plan (TESC) will be prepared to control and minimize erosion.

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

The quantity of impervious surface will increase by approximately 11,000 square feet, resulting in approximately 28.6% impervious surface coverage when the project is completed.

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

The Geotechnical Report includes various recommendations for erosion and sedimentation control techniques such as reducing soil exposure, re-vegetating denuded areas, directing runoff away from exposed soils, etc. The recommendations found in the Geotechnical Report will be implemented during site work.

A Temporary Erosion and Sediment Control Plan (TESC) will be prepared. Best Management Practices (BMPs) will also be implemented which include tree protection and fencing, stabilized construction entrance, silt fencing, and other measures.

The project will disturb less than 1 acre of land, thus Construction Stormwater General Permit (CSGP) issued by Washington State Department of Ecology (DOE) will not be required. Erosion control measures will comply with 2016 King County Surface Water Design Manual (KCSWDM) section 1.2.5, Core Requirements #5 – Construction Stormwater Pollution Prevention. Appropriate Erosion and Sediment Control (ESC) and Stormwater Pollution Prevention and Spill Control (SWPPS) measures will be applied through a comprehensive Construction Stormwater Pollution Prevention (CSWPP) plan.

2. Air

a. What types of emissions to the air would result from the proposal during construction, operation, and maintenance when the project is completed? If any, generally describe and give approximate quantities if known.

Short-term increases in dust and vehicle emission may increase as a result of construction activities. Post-construction, emissions will not increase from existing levels.

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

There are no known or observed offsite sources of emissions or odor.

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

BMPs to control emissions will be used during construction, minimizing equipment idling, minimizing vehicle speeds, spraying water to control dust, and covering soil piles.

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.

The City of Tukwila Critical Areas Map depicts two streams located south of the school building: A Type 3 stream and a Type 4 stream. A Critical Areas Report was prepared by Grette Associates, followed by a site visit with City staff, which found no indication of seasonal surface flow within these areas. As a result, the report found no natural water features or regulated critical areas on the subject property.

Two natural water features were found offsite within 300 feet, which are associated with Gilliam Creek. No site work will take place within the vicinity of these features.

In addition to Tukwila's data, the King County iMap database was queried. According to the County's database, no natural water features are mapped within the subject property.

- 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; no fill or dredge material will be placed in or removed from surface water or wetlands.

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

No, the proposal will not involve any surface water withdrawals or diversions.

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

No, the project is not within an identified floodplain. No floodplains are mapped in the vicinity by the City of Tukwila or FEMA.

- 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, there will be no discharges 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 groundwater will be withdrawn and there will be no discharges to groundwater.

- 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.

Not applicable, the site is connected to sanitary sewer.

c. Water runoff (including stormwater):

- 1) Describe the source of runoff (including storm water) and method of collection and disposal, if any (include quantities, if known). Where will this water flow? Will this water flow into other waters? If so, describe.

The existing drainage system consists of a series of catch basins, manholes and pipes. An existing storm drain conveys stormwater from the north entrance of the existing building. New drive and parking lot runoff will be captured by a proposed catch basin and conveyed to a 30" StormTech chamber system. Runoff generated in the extended play area and new pathway will be captured by the existing area drain. Roof drains of the new modular classrooms will be intercepted by two raised bioretention planters (CR#9) and discharged to a new catch basin. This system will connect to an existing catch basin downstream of the existing flow control and water quality facilities

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

No, there is no potential that any waste materials will 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, the existing drainage patterns on the site will be maintained.

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

The project is considered a Large Project with total new plus replaced hard surface area of more than 2,000 sf, which triggers Core Requirements (CR) #1 through 9 and Special Requirement (SR) #1 through 5 of 2016 King County Surface Water Design Manual (KCSWDM). Stormwater will be managed onsite as required in this manual, and no adverse impacts to ground water or drainage patterns is expected.

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.

- ____ wet soil plants: cattail, buttercup, bullrush, skunk cabbage, other
- ____ water plants: water lily, eelgrass, milfoil, other
- ____ other types of vegetation

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

A small amount of vegetation will be removed by the proposal. Some grass area will be replaced by expanded parking areas and a small amount of vegetation will be removed for the new children's play area. Overall, vegetation onsite will be enhanced with new interior and perimeter plantings.

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

There are no known threatened or endangered species on or near the site.

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

Overall, the landscaping on site will be improved from its current condition. Landscaped areas will be installed adjacent to expanded parking areas and new play areas, including parking islands, buffer plantings, and restoration plantings. A landscaping plan will be reviewed by the City as part of the Conditional Use Permit and Design Review application.

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

There are no known noxious weeds or invasive species on or near the site.

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: **small rodents**
fish: bass, salmon, trout, herring, shellfish, other _____

b. List any threatened and endangered species known to be on or near the site.

According to the Washington State Department of Fish and Wildlife (WDFW) mapping services, there are no threatened or endangered animal species on or near the project site.

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

The site is located within the Pacific Flyway for migratory birds.

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

No measures are proposed.

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.

No new forms of energy are proposed; the current system will be used. Heat Pumps may be replaced.

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

No, there is no possibility that the proposal will block the use of solar energy.

- 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:

None known at this time.

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.

There are no known sources of contamination at the site.

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

There are no indications of hazardous chemicals/conditions on the site that will affect project development. According to the National Pipeline Mapping System, there are no gas or hazardous liquid transmission pipelines in the area.

- 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.

Not Applicable; no special emergency services are required.

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

No additional or special emergency services are required as a result of the proposal.

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

None proposed.

b. Noise

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

The project will not be affected by existing noise in the area. Noise sources in the area are those normally associated within residential areas.

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.

Construction activities may cause noise in the short term. Upon completion of the project, noise levels are not expected to increase from the current condition. The site currently generates noise that is typical for elementary schools, including noise from vehicles and buses during school start and end times, and children at recess. Noise levels will not exceed the maximum permissible sound levels allowed per Tukwila Municipal Code (TMC) Chapter 8.22.

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

Construction hours will normally occur during the “daytime” hours, as defined by TMC 8.22.020. Operations will occur weekdays between 7:00 am and 8:00 pm, in accordance with City regulations. Work on Saturdays will be restricted to between the hours of 8:00 am and 6:00 pm. No work will occur on Sundays without prior City approval. During construction, machines will be turned off when not in use. Stationary equipment will be located away from receiving properties, and portable noise barriers around stationary equipment may be erected. Contractors will be instructed to maintain all equipment and to avoid unnecessarily loud noises.

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 used for Thorndyke Elementary School. Adjacent Uses include:

- **West: Single-Family Residential**
- **South: Multi-Family Residential**
- **East: Single-Family Residential**
- **North: Single-Family Residential**

The proposal is a continuation of the existing use and will not alter or affect land use on 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?

The site has been not been used as a working farm or forest land to our knowledge.

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, the school is located in an urbanized area.

c. Describe any structures on the site.

The 62,042 square-foot elementary school currently exists on the site.

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

No structures will be demolished as part of the proposal.

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

LDR/ Public Recreation Overlay

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

LDR/ Public Recreation Overlay

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.

The City of Tukwila Critical Areas Map shows two streams on the southern end of the property. A Critical Areas Report was prepared by Grette Associates, and a site visit was conducted with City staff, which determined that they were not regulated critical areas. This is discussed further in section 3 of this checklist.

The City's Critical Areas Map also shows a small area of moderate slopes in the south of the parcel. This is mapped as slope classification 2, which includes slopes of 15%-40% and moderate landslide potential. No work is planned to take place near these slopes.

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

Thorndyke Elementary School currently has a staff of 46. As a result of this proposal, 3 full time staff are expected to be added, for a total of 49. There is no residential component to this proposal.

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

Not Applicable; no employees or residents will be displaced.

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

Not Applicable; no employees or residents will be displaced.

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

The addition of the modular building and outdoor play area will not change the compatibility of the school with existing and projected land uses and plans. The

additional parking and circulation improvements will improve circulation and parking efficiencies during the pick-up and drop-off periods by extending the queue lane. The additional restoration plantings and parking lot landscaping are designed to improve the appearance of the school and are to be located in the vicinity of the new improvements. The addition is located on the east end of the building away from the street, and because of the relative scale to the existing building will not create much of a relevant impact to the street or surrounding properties. The additions and other site improvements will require Conditional Use Permit and Design Review Approval by the City of Tukwila. The use of the existing site will remain unchanged.

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

No impacts are anticipated, as the properties are located in an urban environment and there are no agricultural or forest lands in the nearby area.

9. Housing

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

Not applicable, no housing is associated with this project.

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

Not applicable, no housing will be eliminated.

- 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?

The building will be a maximum of 18 feet in height. Exterior materials, textures and colors will match the existing Elementary School structure.

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

No views would be altered or obstructed as a result of the proposal.

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

The proposed modular addition will be located in the southeast corner of the existing school, in a location not easily discernable from the street or nearby residences. Other site improvements such as new landscape areas will buffer parking expansions and enhance the aesthetics of the site. The proposed project is subject to City Design Review approval to ensure compatibility with the site and vicinity, and ensure consistency with Tukwila design criteria. A design narrative and 3-D Models have been prepared by Rolluda Architects and was submitted with the associated Conditional Use Permit.

11. Light and Glare

- a. What type of light or glare will the proposal produce? What time of day would it mainly occur?
The proposal will not increase light and glare beyond existing conditions. Two new light pole lights will be added in the expanded parking area, and will be cast downward as to not produce any spillover of light. The new modular building will include small LED exterior lights.
- b. Could light or glare from the finished project be a safety hazard or interfere with views?
No, any new lighting added to the building will not spillover to adjacent areas 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:
New lighting fixtures will be fully shielded and cast downward. The modular addition will only require small minimal exterior lighting fixtures. See photometric/lighting analysis for additional information.

12. Recreation

- a. What designated and informal recreational opportunities are in the immediate vicinity?
Onsite, the elementary school has a small children's play area, a large grass area, playground, paved play area, and baseball field.
- b. Would the proposed project displace any existing recreational uses? If so, describe.
No existing recreational uses will be displaced. The project will include the addition of new play areas with the Early Childhood Program.
- c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any:
The project will include the addition of a play area in connection with the early learning program. New play areas will include asphalt surfacing, rubber surfacing, and covered areas.

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.
According to the King County Assessor, the existing school structure was built in the year 2000. No structures onsite are identified on the State of Washington Historic Property Inventory list.

- 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.

No, according to the Washington State Department of Archaeology and Historic Preservation (DAHP) WISAARD database, there are no landmarks or evidence of Native American or historic use/occupation on the site or in the area.

- 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.

Consultation with the WISAARD database was used to evaluate potential resources and impacts.

- 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.

No impacts or disturbance to cultural or historic resources are expected. If cultural or archeological objects are found during site preparation work, the Washington State Department of Archaeology and Historic Preservation will be notified, and all site work will stop.

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 4415 S 150th Street, in Tukwila. The site is accessed from two driveways on S 150th Street, which provides access beyond the site to 42nd Avenue S and west to Tukwila International Boulevard. The proposal would not change access to the existing street system.

- 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?

King County Metro Transit provides bus service in the larger Tukwila vicinity. The nearest stops, which are served by Route 128, are located about 1,500 feet west of the site along 42nd Avenue S (at S 148th and S 152nd Streets). There are also stops, which are served by Routes 124 and 128, located along Tukwila International Boulevard (at S 148th and S 152nd Streets). About 0.6 mile (walking distance) there are stops on Southcenter Boulevard that serve Metro's RapidRide F-Line.

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

As part of the project, site improvements are planned that would expand the existing parking lot to the west and enhance the school's ability to accommodate peak automobile load/unload demand. In total, the project would reconfigure parking on the site to increase supply by 35 spaces (from 67 to 102 spaces) in order to better accommodate existing peak

load/unload demand from automobiles during arrival and dismissal periods. The project would not eliminate parking on the 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).

The proposal is not expected to require any new or improvements to existing roads, streets, pedestrian, bicycle or state transportation facilities. However, frontage improvements may include one new crossing with curb ramp, marked crosswalk, and companion curb ramp with pedestrian signage.

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

The proposed project will not use or occur within the immediate vicinity of water or rail 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 proposal would include the addition of two modular classrooms, renovation of the interior of some existing classrooms, improvement to existing play areas, and upgrade play equipment. The project would allow the school to expand its current Early Childhood Education and Assistance Program [ECEAP] to accommodate a total of 80 pre-school age children in two sessions—40 in the morning session and 40 in the afternoon session. The morning sessions are expected to begin at 8:00 a.m. and end at 11:00 a.m. (ACEAP) and 11:30 a.m. for Head Start. The afternoon sessions are expected to be 12:10 to 3:10 p.m. for ECEAP and 12:00 to 3:30 p.m. for Head Start).

The Institute of Transportation Engineers' (ITE) Trip Generation Manual does not provide rates specifically for ECEAP or Head Start programs; however, rates published for Elementary Schools (Land Use 520) are reasonable to estimate trips for the proposed addition. Based those published rates and the capacity increase for 40 additional children during each session, the project could result in a net increase of 150 trips per day (75 in, 75 out). Peak volumes for elementary schools typically occur during morning arrival and afternoon dismissal. Since the added capacity is intended for pre-school age children attending half-day programs, the largest increase in traffic is likely to occur midday (from about 11:00 a.m. to 12:00 p.m.) during the period when the morning sessions end and the afternoon sessions begin. At this time, the school is estimated to generate an additional 40 to 50 trips.

A portion of the students are expected to rely on existing school-bus transportation (estimated by District staff at 43% to 47% for the morning sessions and 46% to 50% for

afternoon sessions), but no new dedicated bus transportation is planned. The school would also continue to receive deliveries and trash/recycling collection, but no change in the number of trucks is expected.

- 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.

This proposal will not impact, nor be impacted by, the movement of agricultural and forest products within the vicinity of the project site.

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

15. Public Services

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

The proposal is not expected to increase the need for any public services.

- 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, 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.

No activity related to utilities is expected. Utility providers on site include:

- **Water: King County Water District #125**
- **Sewer: Valley View Sewer**
- **Electricity: Seattle City Light**
- **Natural Gas: Puget Sound Energy**

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: 

Name of signee: Lisa Klein, AICP, Associate Principal

Position and Agency/Organization: AHBL, Inc.

Date Submitted to City of Tukwila: January 24, 2019