

SEPA ENVIRONMENTAL CHECKLIST

A. Background

1. Name of proposed project, if applicable:

Black Diamond Springs Rehabilitation – Transmission Main and North Bank Booster Pump Station Upgrade

2. Name of applicant:

City of Black Diamond (City) Public Works

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

Mr. Seth Boettcher
Black Diamond Public Works
P.O. Box 599
Black Diamond, WA 98010

4. Date checklist prepared:

October 28, 2019

5. Agency requesting checklist:

City Planning and Community Development Department

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

Construction is anticipated to begin in April 2020 and should extend until May 2021.

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

The transmission main will be extended from the North Bank Booster Pump Station (NBPS) across the Green River to connect to the City's spring source as part of another phase, expected to commence in 2021.

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

Icicle Creek Engineers, Inc., prepared a Hydrogeologic Assessment in 2016. A Critical Areas Report (CAR) and Geotechnical Report will be prepared as part of these efforts.

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

The following government approvals and permits are anticipated to be necessary for this project:

- Critical Areas compliance – City and King County (County)
- Building Permit – County
- Clearing and Grading Permit – County
- Stormwater Pollution Prevention Plan – City and County
- Project Report and Construction Plan Review – Washington State Department of Health (DOH)
- Hydraulic Project Approval (HPA) – Washington Department of Fish and Wildlife (WDFW)

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 City relies on natural groundwater springs on the south side of the Green River for its municipal water supply. This project is part of a multi-phased effort by the City to repair, replace, and reconstruct infrastructure to enable full use of the City's water right in a long-term, efficient, and reliable manner. This project involves two components: 1) construction of a new booster pump station (BPS); and 2) installation of approximately 7,700 linear feet (LF) of 12-inch-diameter high density polyethylene (HDPE) water main to replace the existing utilities and increase system capacity. The proposed BPS will be located adjacent to the existing NBPS in place of an existing abandoned pump house, which will be demolished as part of this project. The proposed water main will run parallel to and replace an existing substandard 8-inch asbestos cement (AC) main from the proposed NBPS north and west along an old railroad (RR) grade to connect to the City's existing system.

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 existing NBPS is located at 29301 SE Green River Gorge Road, Black Diamond, Washington, within the City's easement on Washington State Parks property (Parcel No.1921079030 encompassing the Hanging Gardens State Park). The proposed water main will tie into the proposed pump station and will extend in the northwest direction in City easements on private property, encompassing Sections 13 and 24 of Township 21N, Range 06E, and Section 19 of Township T21N, Range 07E. Refer to the enclosed **Vicinity Map**.

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)?

The steepest slopes are along the proposed water main alignment, measuring 55 percent along approximately 350 LF of the alignment. The remainder of the project area is flat (i.e., an old RR grade access road with steep slopes on either side for much of the water main alignment and the previously graded NBPS site).

- 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.

The project area is underlain by a thin layer of dense glacial till consisting of gravelly sandy silt or loose gravelly sand alluvium, which both overlie moderately weathered to unweathered soft to hard sandstone.

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

Approximately 50 feet of the water main alignment borders a potential landslide area and approximately 200 feet traverses the 50-foot buffer around the potential landslide area, which lies along the section of the RR grade that crosses several tributaries to Rock Creek with an embankment and culverts.

- 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.

Approximately 6,400 cubic yards (CY) of material will be excavated for the proposed water main. The water main will be bed with crushed rock per City standards. Trench excavations will then be backfilled with native material consisting primarily of gravelly sand and silty sand. As such, excavated material is nearly the same amount as fill quantities.

The improvements at the NBPS site will involve approximately 65 CY of excavation to install the proposed water main and BPS. Water main trenches will be backfilled with native material and crushed rock, as described above. Like the water main, fill material is estimated to involve about the same quantity as material excavated.

Crushed rock fill will be obtained from a certified borrow source and pre-approved by the City.

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

The weathered sandstone, glacial till, and outwash are moderately erodible and may erode during heavy rain events. There is a greater chance of erosion resulting from construction of the steep slope sections of the water main alignment. The remainder of the water main alignment and the NBPS improvements are in flat areas where the chance of erosion is minimal.

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

Improvements for the new pump station will add approximately 375 square feet (SF) of new impervious surface at the NBPS site.

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

Temporary erosion and sediment control (TESC) measures will be employed, in accordance with the City and County standards to prevent impacts to the earth during

construction.

All steep slopes in native material will be protected from erosion during precipitation events by diverting runoff away from recently worked soil areas and/or dispersing runoff to sheet flow using jute matting and straw wattles or other similar techniques that prevent rain splash erosion and rilling. Worked areas will be reseeded and/or restored to gravel surface within a week of backfill to final grade.

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.

Emissions during construction will include exhaust from construction equipment and vehicles. The finished project will not produce emissions. Based on an approximately 400 SF building proposed for the BPS, the County Greenhouse Gas Emissions Worksheet predicts that the project will produce 630 metric tons of carbon dioxide equivalent over its lifespan.

- b. Are there any off-site sources of emissions 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:

Construction equipment and vehicles shall conform with Washington State standards for air quality, including using properly functioning equipment and vehicles that have passed emissions testing, using clean-burning fuels when possible, limiting diesel exhaust, limiting vehicle idling, etc. The proposed BPS will add new pumps to convey the City's drinking water, the result being an almost doubling of pumping capacity, but at a similar power load to the existing NBPS.

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 proposed BPS is located approximately 500 feet from the Green River, a Type S waterbody. There are also several non-fish, perennial (Np) and seasonal (Ns) streams

that cross the proposed water main alignment via culvert; these are all tributary to Rock Creek. These streams are designated Stream 1 to Stream 5, locations depicted on the design plans, and are described further in the *Critical Areas Report* (RH2, 2019). Three small, Category IV wetlands also were identified and delineated by RH2 and are described in the *Critical Areas Report*.

- 2) Will the project require any work over, in, or adjacent to (within 200 feet) the described waters? If yes, please describe and attach available plans.

Yes. The proposed water main will cross the described streams and wetland drainages. However, all crossings will occur within the existing gravel access road (old RR grade) and will not involve permanent impacts to these resources. Crossings will either be above the stream or wetland drainage (two crossings) or will be open cut beneath the existing culvert (seven crossings).

- 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.

Yes. To facilitate installation of the proposed water main beneath culverts conveying stream and wetland drainages, construction could involve removal of the existing culverts and installation of temporary passive piped diversions to convey flows around the work area. This work is planned for the low flow season to minimize the presence and quantity of water needing to be diverted. As a result of this timing work, the wetland and stream drainages are not expected to be flowing. If flow is present, quantities are estimated to be less than 10 to 20 gallons per minute (gpm). Existing culvert sizes and invert elevations will be restored following installation of the water main. Temporary culvert removal and replacement will not involve additional excavation or fill, as these sensitive areas will be protected from during construction with applicable TESC measures, work will be confined to the existing access road prism, and culvert replacement will be in-kind.

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

No.

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.

No.

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 to this project.

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.

Stormwater runoff from the proposed BPS roof will be collected and infiltrated on site. This is consistent with existing conditions for the on-site NBPS and storage building (to be demolished and replaced with the proposed BPS).

No additional stormwater runoff is anticipated to result from the water main installation. Some of the runoff from the old RR grade infiltrates, some sheet flows to the south, and some drains to local seasonal drainage paths/streams that are tributary to Rock Creek.

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

No.

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

The proposed BPS will add approximately 375 sf of additional impervious surfaces to the NBPS site; however, existing drainage patterns will not be altered. Stormwater runoff at the NBPS site will continue to be collected from roof drainage and infiltrate into existing pervious areas on the site.

The water main work will not add impervious surface or alter existing drainage conditions. All surfaces will be restored to the pre-existing gravel and/or grass/shrub areas along the water main alignment.

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

The water main will be placed within the existing RR grade gravel access road to avoid impacts to adjacent streams, wetlands, and steep slope areas to the maximum extent practicable. TESC measures will be installed to further prevent unnecessary construction impacts to these resources. Work along the water main alignment will be timed to capture low flows (i.e. June through September) to the extent practicable. For water main installation below existing culvert crossings, a temporary, passive piped bypass will convey any existing stream and wetland drainage flows across the work area. Culverts will be replaced in kind within the existing disturbed access road following water main installation. All surfaces will be restored to pre-construction grades and resurfaced in kind with gravel. For the steep slope section of the water main alignment, surfaces will be restored with a native seed/shrub mix, covered with jute matting, and securely staked. Straw wattles will be staked in along contours of the disturbed slope to slow water velocity and prevent runoff from concentrating along the water main alignment. The area will be monitored during wet weather until the seeding has established.

For the proposed BPS improvements, disturbed surfaces will be seeded or sodded to restore pre-existing conditions to the site.

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, eelgrass, milfoil, other
- ____ other types of vegetation

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

The City regularly maintains the existing water main alignment and NBPS site; therefore, vegetation removal is anticipated to be minimal along this project alignment. To facilitate construction access, some additional small shrubs or trees, non-native blackberry, and grass groundcover could be removed; however, this is not currently anticipated to be likely.

c. List threatened and 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:

The existing steep sloped section of the water main alignment will be reseeded with a native grass and shrub seed mix. Disturbed areas at the NBPS site will be seeded or sodded to match pre-existing conditions. If construction does require additional shrub or tree removal beyond the pre-existing corridor, the City will work with the contractor to replace removed vegetation in kind through planting of native trees and shrubs as near to their removal location as feasible.

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

Himalayan and evergreen blackberry are both present.

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, crows
- mammals: deer, bear, elk, beaver, other, squirrel, raccoon, opossum
- fish: bass, salmon, trout, herring, shellfish, other _____

The NBPS site and water main alignment are within the Hanging Gardens State Park, an area that is relatively undisturbed and mostly mixed deciduous-coniferous forest. These areas support many different types of birds, including songbirds, hawks, crows, etc. Small mammals are also likely to utilize these areas, including squirrel, deer, raccoons, and opossum, among others. WDFW's Priority Habitats and Species data shows the project is within an elk concentration area. The Green River supports fish, including various salmon and trout species, but is located approximately 500 feet from the NBPS site.

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

None known.

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

The project site lies within the Pacific Migratory Flyway, as does most of the State of Washington; however, the project site is not known to contain critical habitat for migratory birds.

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

Construction measures to prevent off-site drainage and environmental impacts associated with the project will be implemented, which will aid in the preservation and protection of known wildlife areas.

- 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.

The completed project will primarily utilize electric energy to power the proposed BPS. The BPS will be equipped with an on-site, emergency diesel generator that would operate primarily during power outages.

- 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 pumps will be more energy efficient and are expected to conserve 12 kilowatt hours of energy per 10,000 gallons pumped.

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 known.

- 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.

None known.

- 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.

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

No special emergency circumstances are anticipated. In the event of an accident on the site, emergency and/or fire personnel will have access to the site from the surrounding roadways. Fire personnel are expected to ensure adequate site access prior to construction.

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

The contractor will be required to prepare a spill control and response plan before starting work.

b. Noise

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

None.

- 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 temporary construction equipment noise is anticipated in association with both the construction of the BPS and the installation of the transmission main. Elevated noise levels will primarily occur during weekday, daytime hours. No long-term noise impacts are expected to result from the completed project.

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

Construction activities will be limited to daytime, weekday hours. Night or weekend work will only be allowed with prior approval from the City and/or County.

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 currently has an existing concrete masonry unit (CMU) building housing another BPS and an abandoned CMU building that the City uses for storage. The adjacent lands are forested and vacant, making up the Hanging Gardens State Park. The proposed improvements will not affect land use 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?

The NBPS site has not been used as working forest land and will not be converted to other uses. The surrounding area is a conservation area owned by Washington State Parks, and the City's water system will continue in service to the City of Black Diamond

in perpetuity. The water main alignment is adjacent to working forest land. However, it is in a dedicated utility easement and will not affect the existing use of surrounding lands.

- 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.

Two existing CMU buildings are present on the existing NBPS site: one houses a pump station; and the other is used as a storage shed.

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

Yes, the abandoned pump station (now used as a storage shed) will be demolished.

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

RA-10, RA-5, F

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

OP, RA, F

- 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.

County critical areas mapping identifies portions of the proposed watermain alignment as steep slope hazard and landslide hazard areas.

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

City staff will access the site on a daily, possibly weekly basis following project completion; however, there will be no permanent offices or residences as a result of the completed project.

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

None.

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

None.

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

None. The existing and proposed uses are consistent with the current and projected land use plans.

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

None.

9. Housing

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

The proposed project will not provide housing.

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:

None proposed.

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 proposed BPS is approximately 400 sf measuring about 16 feet tall at its peak.

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

No views would be altered or obstructed by the proposed transmission main as it will be completely buried. The BPS will not obstruct any views either.

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

None.

11. Light and Glare

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

Outdoor security lighting will be installed on the proposed BPS, primarily above doorways. Operation of this lighting will be at night.

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

No.

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

None expected.

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

None.

12. Recreation

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

The proposed improvements are located at the Hanging Gardens State Park. However, proposed improvements are situated within established easement areas, which have been previously developed or are within improved surfaces.

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

No.

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

The City is coordinating with Washington State Parks on construction activities, impacts, and access specifics to minimize adverse impacts to recreational uses or habitats in the State park.

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.

There is an abandoned gem coal mine shaft in proximity to the proposed BPS. The proposed improvements will not affect the existing mine shaft.

- 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.

The Franklin cemetery is about 300 feet away from a portion of the project site. The location of the Franklin cemetery is well known and will not be affected. There are remains of old coal mining infrastructure in the area, but the locations of these features also are well known and will not be affected. The old RR grade (current access road), where the City's water main is located, is the rail line that transported the coal from this area to Seattle. The water system itself is the original water system built by the mining company to provide water to the Black Diamond company town. At the close of the mines, the private water system became a water district. The water district was given to the City shortly after incorporation in 1959. The NBPS and a portion of the water main are within the Green River Gorge Historic District, which is a Washington Heritage Register District.

- 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.

Mapping by the Washington Information System for Architectural and Archaeological Records Data (WISAARD) was consulted. Per WISAARD's predictive model, the project is primarily in areas with a low to moderately low risk of uncovering archaeological resources. This risk is even lower since the project will take place entirely within the

previously developed and disturbed utility corridor and NBPS site, and excavations will be relatively shallow.

- 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.

None.

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.

All the proposed improvements are on private property, which the City maintains within existing easements. The NBPS site and water main alignment are accessed via an existing gravel access road, which is accessible from the Black Diamond Gun Club access roadway or Botts Drive.

- 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?

No, the site will not be open to the public.

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

The NBPS site currently has graveled areas to accommodate parking for three vehicles. The City has not identified a need for additional parking for the proposed improvements.

- 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).

Fire personnel are expected to investigate the current BPS access conditions and determine if improved access will be required in the event of an emergency. The proposed water main runs along an existing gravel road that will be restored to existing or better conditions.

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?

The completed project will generate an average of one vehicular trip per day during normal business hours (8 AM to 5 PM).

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:

None.

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.

No.

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

None.

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.

This project proposes to construct a 400 sf BPS and approximately 7,700 LF of 12-inch-diameter water main to replace the existing utilities and increase system capacity. The proposed utility facilities will be maintained by the City.

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: Seth Boettcher
Name of signee Seth Boettcher
Position and Agency/Organization Public Works Director
Date Submitted: 10-28-19 City of Black Diamond

Vicinity Map

Black Diamond Springs Rehabilitation

CITY OF
BLACK
DIAMOND

SE 332ND ST

JONES
LAKE

PROPOSED WATER MAIN

WA-169

GREEN RIVER

Enumclaw Franklin Rd SE

NORTH BANK
PUMP STATION

Google Earth

4000 ft





Section I: Buildings

Type (Residential) or Principal Activity (Commercial)	# Units	Square Feet (in thousands of square feet)	Emissions Per Unit or Per Thousand Square Feet (MTCO2e)			Lifespan Emissions (MTCO2e)
			Embodied	Energy	Transportation	
Single-Family Home.....	0		98	672	792	0
Multi-Family Unit in Large Building	0		33	357	766	0
Multi-Family Unit in Small Building	0		54	681	766	0
Mobile Home.....	0		41	475	709	0
Education		0.0	39	646	361	0
Food Sales		0.0	39	1,541	282	0
Food Service		0.0	39	1,994	561	0
Health Care Inpatient		0.0	39	1,938	582	0
Health Care Outpatient		0.0	39	737	571	0
Lodging		0.0	39	777	117	0
Retail (Other Than Mall).....		0.0	39	577	247	0
Office		0.0	39	723	588	0
Public Assembly		0.0	39	733	150	0
Public Order and Safety		0.0	39	899	374	0
Religious Worship		0.0	39	339	129	0
Service		0.0	39	599	266	0
Warehouse and Storage		0.0	39	352	181	0
Other		0.4	39	1,278	257	630
Vacant		0.0	39	162	47	0

Section II: Pavement.....

Pavement.....		0.00				0
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Total Project Emissions:

630

Data entry fields

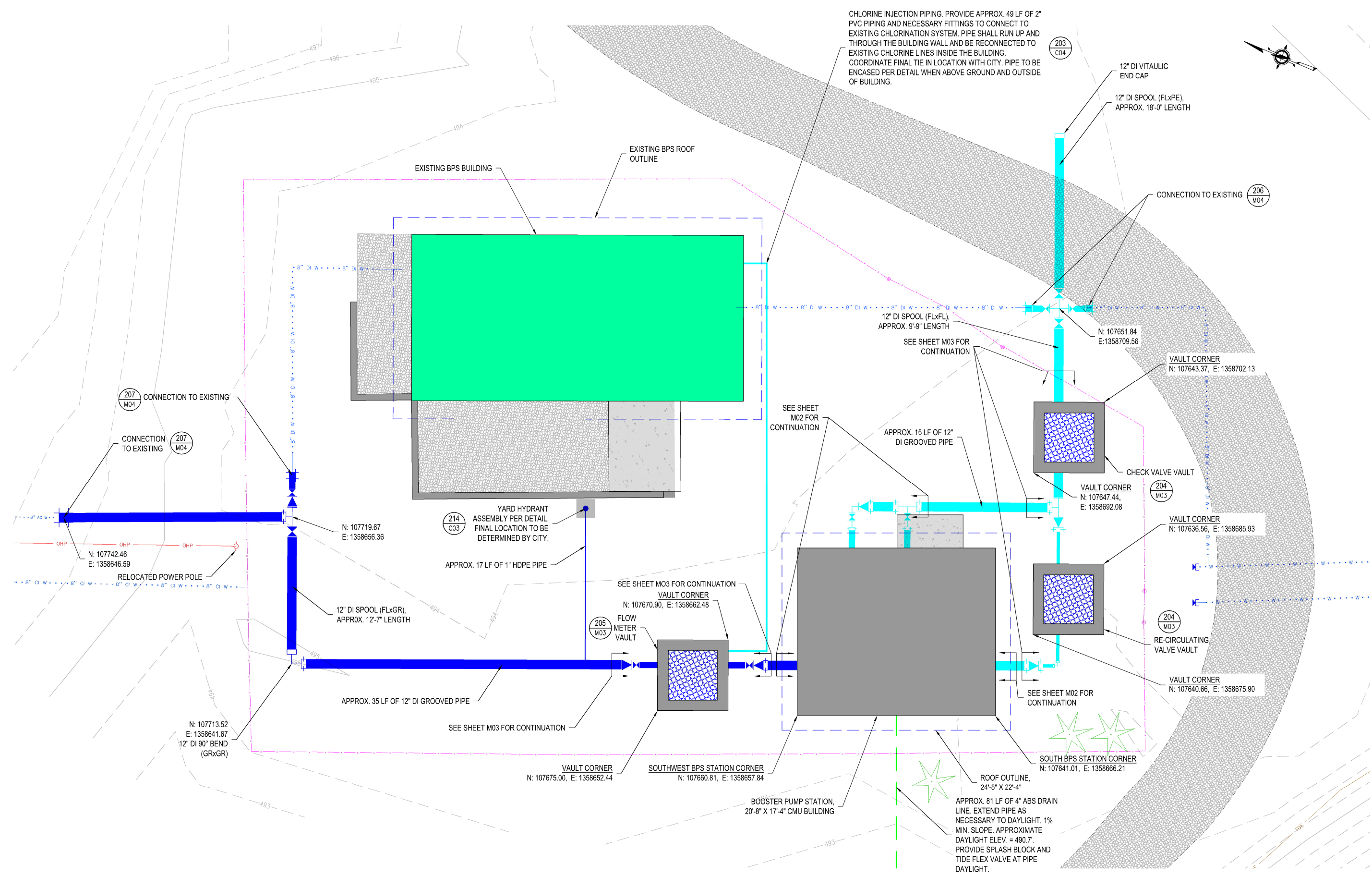
**CITY OF BLACK DIAMOND
NORTH BANK BOOSTER PUMP
STATION UPGRADE**

PROPOSED SITE PLAN



NO.	DATE	DESCRIPTION	BY	REVIEW

ENGINEER: PJJ	DATE: Feb 3, 2020	CHECKED: BD	DATE: Feb 7, 2020
REVIEWER: HS	PROJECT: NORTH BANK BOOSTER PUMP STATION UPGRADE	FILENAME: NBPPS-D-0103.DWG	SHEET NO.: 05
DWG NO.: C03	SCALE: SHOWN		



NORTH BANK BPS - PROPOSED SITE PLAN

1" = 5'

NOTE:
WHERE NOT OTHERWISE NOTED, DISTURBED SURFACE SHALL BE RESTORED WITH HYDROSEED.