

**STATE ENVIRONMENTAL POLICY ACT (SEPA)
ENVIRONMENTAL CHECKLIST**

A. BACKGROUND

1. Name of proposed project: Central Waterfront Site – Chevron Subarea Interim Action
2. Name of applicant: Port of Bellingham Telephone: (360) 676-2500
Name of Contact: Brian D. Gouran Telephone: Same as above.
3. Address: P.O. Box 1677
Bellingham, WA
98227-1677
4. Date checklist prepared: July 11, 2012
5. Agency requesting checklist: Port of Bellingham

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

The Project will be performed under Agreed Order No. DE3441, as amended, with the Department of Ecology (Ecology) and is expected to take approximately 4 to 6 nights to complete over a 2-week period within the month of January/February 2013, during favorable tidal conditions.

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

Yes. The Port and City of Bellingham are performing cleanup work at the Site in accordance with the Model Toxics Control Act (MTCA) under Ecology oversight. A Remedial Investigation/Feasibility Study (RIFS) is currently being prepared for the entire Central Waterfront Site. The RI/FS will lead to a full clean action plan to address contamination across the entire Central Waterfront. Final site remediation is anticipated to be completed in 2015/2016.

8. List any environmental information (studies, reports, etc.) you know about that has been prepared, or will be prepared, directly related to this proposal.
 - Central Waterfront Site RI/FS-Ecology Review Draft, prepared by AECOM, August 31, 2009 (AECOM, 2009);
 - Final Environmental Impact Statement - The Waterfront District Redevelopment Project (Formerly Known as New Whatcom), dated July 2010;
 - Agreed Order No. DE3441 (as amended)
 - Biological Evaluation- Central Waterfront Chevron Subarea Interim Action (Anchor QEA, 2012a)

- Joint Aquatic Resource Permit Application-Central Waterfront Chevron Subarea Interim Action (Anchor QEA, 2012b)

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.

No.

10. List any governmental approvals or permits that will be needed for your proposal, if known. Include Federal, State, City, County, and local districts or regional offices.

The U.S. Army Corps of Engineers must approve the project under Section 404 of the Clean Water Act. It is anticipated that the proposed action will qualify for a Nationwide Permit 38 for Cleanup of Hazardous and Toxic Waste.

The proposed action will be conducted as an interim action under an amendment to Agreed Order DE 2441 between the Port of Bellingham and the Washington State Department of Ecology (Ecology) within the authority of the Washington State Model Toxics Control Act (MTCA). The proposed action is exempt from the procedural requirements of state and local permits that would otherwise be required, per Revised Code of Washington (RCW) 70.105D.090. However, the proposed action is required to demonstrate substantive compliance with appropriate state and local permits. These include City of Bellingham shoreline mater program, clearing, grading, or demolition permits/approvals and the Washington State Hydraulic Project Approval (HPA).

In addition, the Port of Bellingham will issue a State Environmental Policy Act (SEPA) Determination based on the information contained within this SEPA checklist.

11. Give a 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. (You may attach a page if this space is not adequate.)

The Central Waterfront Site – Chevron Subarea Interim Action (Project) will implement an Interim Action as required in Agreed Order No. DE 344, as amended, between Ecology, the Port of Bellingham (Port), and the City of Bellingham. The interim action will address the cleanup of petroleum hydrocarbon sheens that have been observed on the southern shoreline of the Chevron Subarea of the Central Waterfront site through excavation of the Project area and backfilling the excavated area with a protective cap of clean material. Petroleum hydrocarbons have been identified in the nearshore sediments in the Project area, as well as in upland soil and groundwater.

See Attachment 1 (Project Description) and Attachment 2 (JARPA Sheets) for more information.

12. Location of the Proposal:

The Chevron Subarea Interim Action Project is located within the City of Bellingham at 1020 C Street, near the southern end of C Street. The Site is within the Central Business District West neighborhood and the planning area known as the "Waterfront District". (Sheet 1 in Attachment 2). The site includes generally flat, graveled areas. A

dock is located on the southeast portion of the site, along with a degraded timber bulkhead wall.

The Project site is located at:
Section 25, Township 38 North, Range 2 East
Approximately 48.450159 North latitude / -122.292040 West longitude

Tax parcel: 380225493165

B. ENVIRONMENTAL ELEMENTS

1. EARTH

a. General description of the site:

- ☒ Flat
- ☐ Rolling
- ☐ Hilly
- ☐ Steep Slopes
- ☐ Mountainous
- ☐ Other

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

The steepest slope is located along the shoreline slope and is approximately 3:1.

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 prime farmland.

The surface of the project area consists of sand, gravel, pavement and grass. The soil types include the Bellingham Drift (Glacialmarine drift). This soil type includes a soft to stiff, unsorted and unstratified pebbly, sandy silt and clay material (with occasional gravel and marine shells) that was derived from rock debris that melted out of glacial ice as rising sea levels floated and melted glacial ice and deposited the material on the sea floor. Additional soil types found at the site include beach deposits; soils consist of very loose to loose, fine to medium sand with occasional shell and wood fragments and fill.

No prime farmland exists on the site.

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

No.

e. Describe the purpose, type, and approximate quantities of any filling or grading proposed. Indicate source of fill.

Excavation will involve the removal of up to 1,000 cubic yards of petroleum-contaminated soils and sediments. All excavation will occur from an elevation of approximately +0.0 feet mean lower low water (MLLW) to approximately +14.0 feet MLLW and landward of an existing timber bulkhead as necessary to remove the

contaminated soils and sediments as shown on Sheet 3. Excavation will occur from the landward side and in the dry (i.e., above the waterline at the time of excavation) during low-tide conditions.

Approximately 1,000 cubic yards of clean cap material will be placed over the areas of excavation prior to the tide reaching the area of work from shore-based construction equipment. Covering the exposed areas with clean cap material will minimize erosion of exposed sediments during periods of tidal inundation. The fill material will consist of, in order from bottom to top, layers of a sand cap (2.0 to 2.5 feet thick), filter gravel (1.0 to 1.5 feet thick), and armor stone (2.0 to 2.5 feet thick). A final layer of "fish mix" will be placed on top of the armor stone as shown on Sheet 4. The fish mix is comprised of 3-inch minus rock material.

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

Due to the flat topography of the site and the stormwater management components associated with the project design, erosion is not expected to result from the completed project. Appropriate best management practices (BMPs) will be implemented to address the potential for erosion during construction activities, including installation of silt curtain along the shoreline.

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

There will be no change in impervious surfaces as a result of this project.

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

Contractors will be required to implement BMPs for erosion control during construction consistent with the Washington State Department of Ecology Stormwater Management Manual for Western Washington. These may include covering stockpiles, use of fabric filter fencing, straw bales, interceptor swales and/or similar measures.

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.

Short-term emissions to the air would result from diesel and gasoline automobile/equipment exhaust during construction. Construction will occur during the wet season and will involve material well above optimum moisture; therefore dust generation is not anticipated. However, the contractor will be prepared to implement dust suppression BMPs including, but not limited to covering and/or wetting if necessary.

The excavation and removal of petroleum impacted material may result in temporary emission of volatile organic compounds associated with petroleum products. These emissions would be temporary and limited to the immediate vicinity of the excavation area.

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

Standard construction equipment will be utilized. During site preparation and construction, contractors will take reasonable precautions to minimize dust emissions. Temporary stockpiles staged at the site will be covered and secured. Contractors will be required to cover loads during transport.

3. WATER

- a. Surface:

- 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 interim action project is adjacent to the Whatcom Waterway in Bellingham Bay, Puget Sound. This area is designated as "shoreline" by the Washington State Department of Natural Resource's Water Typing System. Bellingham Bay is rated as "Excellent" based on the State of Washington rating system for marine waters (Washington Administrative Code 173-201A-612).

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

Yes, the project includes excavation of up to 1,000 cubic yards of petroleum hydrocarbon impacted soil within 200 feet of the Whatcom Waterway in the southern portion of the Site (Attachment 2). It is anticipated that all of the work will be completed during low-tide conditions. In addition, material may be temporarily stockpiled within the 200-foot shoreline zone.

- 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.

All work is proposed to be conducted in the dry during periods of low-tide conditions. Therefore, no dredge or fill 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.

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

The proposed construction activities will occur within a 100-year floodplain. According to the Federal Emergency Management Agency (FEMA) Whatcom County Flood Insurance Rate Maps (FIRMs), the Whatcom Waterway landward of the Central Waterfront is documented as an "X"-rated floodplain. Floodplains rated as "X" by FEMA are areas of at least 500-year flood, protected with levees from 100-year floods.

- 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.

Potential discharges to surface water during the interim action could include leakage of petroleum products (fuel, oil, grease, hydraulic fluid, lubricants etc.) from equipment and could enter water in stormwater runoff. BMP's will be in place to minimize and control potential surface water discharges during construction.

Post construction site conditions will not generate any waste materials that could discharge to surface waters.

b. Ground:

- 1) Will ground water be withdrawn, or will water be discharged to ground water? Give general description, purpose, and approximate quantities if known.

No water is proposed to be discharged to ground water as part of this Project. However, temporary extraction of shallow groundwater during construction may be required for excavation as described in the Project description.

- 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 houses to be served (if applicable), or the number of animals or humans the system(s) are expected to serve.

N/A

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.

Storm water will be treated on site through various BMP's until the site is stabilized then storm water will be collected and disposed of through existing facilities. No additional volume is anticipated or re-routed by this project.

A Temporary Erosion and Sediment Control (TESC) plan will be developed and implemented throughout construction to minimize potential impacts associated with sediment and erosion. Temporary construction BMPs will include both source-control BMPs and treatment BMPs.

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

It is possible that accidental spills from trucks or construction equipment could enter surface and/or groundwater during construction. However, spill response measures will be available on site during project construction and implemented in the event of a spill.

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

Potential construction-related stormwater runoff associated with the proposed project during construction will be addressed through implementation of a TESC plan and associated best management practices.

4. PLANTS

- a. Check or circle 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
☐ Wet soil plants: cattail, buttercup, bullrush, skunk cabbage, other:
☐ Water plants: water lily, eelgrass, millfoil, other:
☒ Other types of vegetation: Macroalgae

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

There is a sparse population of macroalgae along the shoreline. Macroalgae will be removed by the excavation; however, macroalgae is expected to re-colonize on the cap and fish mix material over time.

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

None are known. See Waterfront District FEIS.

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

None.

5. ANIMALS

- a. Check any birds and animals which have been observed on or near the site or are known to be on or near the site:

Birds:

- ☒ Hawk, ☒ Great Blue Heron,
☒ Eagle, ☒ Songbirds;
☒ Other: Ducks, Geese, Cormorant, Gulls

Mammals:

- ☐ Deer, ☐ Bear,

- ☐ Elk, ☐ Beaver;
☒ Other: Harbor Seals
- Fish:
☐ Bass, ☒ Salmon,
☐ Trout, ☒ Herring,
☒ Shellfish; ☒ Other: Forage Fish

The WDFW Priority Habitats and Species (PHS) maps (2008) show that the Project area is located in a priority estuarine zone. No surf smelt (*Hypomesus pretiosus*) or sand lance (*Ammodytes hexapterus*) spawning is documented within the Project footprint, but these spawning habitats are documented to the south of the Project, on the south side of the Whatcom Waterway, near the Bellingham Shipping Terminal along Cornwall Avenue in WDFW's SalmonScape network (2000). This area supports approximately 200 feet of sand lance and 100 feet of surf smelt spawning habitat (WDFW 2000). WDFW's SalmonScape network also notes approximately 300 feet of potential forage fish spawning habitat immediately north of the North Terminal (WDFW 2000). WDFW priority species that may occur in the vicinity of the proposed work include the following:

Chum salmon (*Oncorhynchus keta*)
 Coho salmon (*O. kisutch*)
 Sea-run cutthroat trout (*O. clarkii clarkii*)
 Pink salmon (*O. gorbuscha*)
 Sockeye salmon (*O. nerka*)

Documented priority Pacific herring (*Clupea harengus pallasii*) holding areas, Dungeness crab (*Cancer magister*), and Pandalid shrimp (*Pandalidae spp.*) are all located within 1 mile of the Project area. Priority aquatic vegetation and macroalgae species in the Project area, including eelgrass and turf algae (*Endocladia muricata*), are also located adjacent to the Project area (WDFW 2008; Ecology 2007).

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

Table 1 details Endangered Species Act (ESA)-listed species that may potentially occur in the vicinity of the Project or might be affected by the proposed work.

Table 1
ESA-listed Species Potentially in the Vicinity of the Central Waterfront Site Chevron
Subarea Interim Action Cleanup Project

Species	Status	Agency	Critical Habitat Status
Chinook salmon (<i>Oncorhynchus tshawytscha</i>) Puget Sound ESU	Threatened	NMFS	Designated
Steelhead (<i>Oncorhynchus mykiss</i>) Puget Sound DPS	Threatened	NMFS	Under development
Bull trout (<i>Salvelinus confluentus</i>) Coastal Puget Sound DPS	Threatened	USFWS	Designated
Bocaccio (<i>Sebastes paucispinus</i>) Georgia Basin DPS	Endangered	NMFS	None proposed or designated
Yelloweye rockfish (<i>Sebastes ruberrimus</i>) Georgia Basin DPS	Threatened	NMFS	None proposed or designated
Canary rockfish (<i>Sebastes pinniger</i>) Georgia Basin DPS	Threatened	NMFS	None proposed or designated
Killer whale (<i>Orcinus orca</i>) Southern Resident DPS	Endangered	NMFS	Designated

Species	Status	Agency	Critical Habitat Status
Humpback whale (<i>Megaptera novaeangliae</i>)	Endangered	NMFS	None proposed or designated
Steller sea lion (<i>Eumetopias jubatus</i>)	Threatened	NMFS	None in Washington State
Marbled murrelet (<i>Brachyramphus marmoratus</i>)	Threatened	USFWS	Designated – none in action area

Notes:

DPS – Distinct Population Segment
ESU – Evolutionary Significant Unit
NMFS – National Marine Fisheries Service
USFWS – U.S. Fish and Wildlife Service

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

Yes, all lands within the Whatcom County lowlands are within the Pacific Migratory Flyway. Birds that inhabit the area vary seasonally due to migration.

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

The Project will adhere to applicable regulatory requirements related to the preservation of animals. An ESA BE has been developed for the Project to address impacts to the federally listed species (Anchor QEA 2012a). The BMPs and conservation measures included in the BE will be employed to minimize impacts to federally listed species and will also provide protections for non-listed wildlife. The Interim Action is being conducted as a remedial action to partially address site contamination. Long-term improvements to groundwater quality will improve and enhance adjacent surface water quality.

6. ENERGY AND NATURAL RESOURCES

- a. What kind 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 long-term energy needs required for completed project, however fossil fuels and electric power will be required for the construction phase of the Interim Action.

- 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:

There are no energy needs for this project once construction is complete, therefore, none are proposed.

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.

The Project will remove up to 1,000 cubic yards of petroleum hydrocarbon contaminated soils and sediments. The Project will remove and dispose of contaminated soils and sediments in a manner consistent with provisions of Agreed Order No. DE 3441 as amended.

Potential discharges to surface waters during cleanup project could include accidental spills or leakage of petroleum products from construction equipment. Excavation and handling of the contaminated soil may result in short-term worker exposure to constituents present in the excavated material.

- 1) Describe special emergency services that might be required?

None are anticipated.

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

Standard handling procedures and Best Management Practices (BMP's) will be in place and conducted in accordance with MTCA site requirements. Contractors will be required to develop and comply with site specific Health and Safety Plan, including appropriate Hazardous Waste Operations and Emergency Response (HAZWOPER) training.

b. Noise

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

The Project site is an active marine port with noise levels typical of an industrial setting. Existing noise will not affect the project.

- 2) What types and levels of noise would be created by or associated with the project on a short-term or long-term basis (for example: traffic, construction, operation, other)? Indicate what hours noise would come from the site.

Typical construction noise from vehicles and equipment would be expected on a short-term basis during evening and night hours (depending on tide conditions). Local noise regulations will be adhered to during construction as they pertain to nighttime construction noise levels. Short-term increases in noise may occur from excavation and piling removal activities. The most significant noise will be noise resulting from power tool used to cut exposed piling, but this will be short-term in duration. Long-term noise levels at the site will remain similar to existing levels after Project completion.

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

Equipment will be appropriately sized for operations needed and running only when necessary. Construction activities will be performed in accordance with requirements for noise and will obtain any site-specific requests for variances or other construction-related noise issues associated with the proposed Project.

8. LAND AND SHORELINE USE

- a. What is the current use of the site and adjacent properties?

The project site is currently vacant and the adjacent properties are utilized for marine industrial and boatyard activities.

- b. Has the site been used for agriculture? If so, describe.

No.

- c. Describe any structures on the site.

The site is devoid of structures in the upland areas. There are structures located along the shoreline. These structures include a timber bulkhead, pilings, and a timber dock.

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

The only proposed demolition involves the removal of the creosote-treated piles within the footprint of the area of excavation. The timber bulkhead and timber dock will remain on site after construction.

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

The property is currently zoned Industrial/Waterfront Mixed Use, Heavy (COB 2012).

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

The comprehensive plan designation is also Industrial/Waterfront Mixed Use (COB 2006).

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

Urban Maritime.

- h. Has any part of the site been classified as an "environmentally sensitive" area? If so, specify.

The Project lies within waters that are designated as critical habitat for Chinook salmon, bull trout, and orca. The Project area would also be considered a designated Fish and Wildlife Habitat Conservation Area based on the definition in Chapter 16.55.470 of the City of Bellingham's municipal code.

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

N/A

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

N/A

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

N/A

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

The project will remove existing contaminated soil from the site for off-site disposal and backfill the excavation consistent with the existing grade. The Interim Action is consistent with the Port and City proposed land use presented in the Draft Sub-Area Plan (Port/City 2010) and although there will be no changes to existing site uses as a direct result of the Interim Action, the project will allow for the initial phases of redevelopment to occur on the anticipated timeframe.

9. HOUSING

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

N/A.

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

N/A.

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

N/A.

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?

No permanent structures are proposed as part of the Interim Action.

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

None.

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

N/A.

11. LIGHT AND GLARE

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

None.

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

N/A.

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

None.

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

N/A.

12. RECREATION

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

No recreational opportunities are currently available at the site. Access to the site is currently restricted due to safety considerations. The adjacent waters of Bellingham Bay are used by recreational boaters and small personal watercraft such as kayaks etc.

- 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 project site currently does not support recreation. However, areas adjacent to the site are planned for completion as public access under the Draft Waterfront District sub-area plan. The proposed project will enhance public access to the site by completing the first phase of cleanup. Details for public access will be developed separately.

13. HISTORIC AND CULTURAL PRESERVATION

- a. Are there any places or objects listed on, or proposed for, national, state, or local preservation registers known to be on or next to the site? If so, generally describe.

Certain structures associated with the former Georgia Pacific West pulp and tissue operations have been listed as eligible for the National Register of Historic Places (NRHP) (DAHP 2012). These structures are located across the Whatcom Waterway to the south of the proposed Project. This Project is not expected to affect any of the potentially eligible resources (Anchor QEA 2012c).

- b. Generally describe any landmarks or evidence of historic, archaeological, scientific, or cultural importance known to be on or next to the site.

Certain structures associated with the former Georgia Pacific West pulp and tissue operations have been listed as eligible for the National Register of Historic Places (NRHP) (DAHP 2012). These structures are located across the Whatcom Waterway to the south of the proposed Project. This Project is not expected to affect any of the potentially eligible resources (Anchor QEA 2012c).

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

This Project is an interim action project. The area is highly modified with a low probability of encountering cultural resources (Anchor QEA 2012c). No adverse impacts to historic or cultural resources are anticipated. The Project will comply with all applicable regulations.

14. TRANSPORTATION

- a. Identify public streets and highways serving the site, and describe proposed access to the existing street system. Show on-site plans, if any.

The site is accessible by C Street.

- b. Is site currently served by public transit? If not, what is the approximate distance to the nearest transit stop?

The Whatcom Transit Authority provides transit service to within a mile of the project area (WTA 2012). Route 4 provides service to the site with stops along Holly Street.

- c. How many parking spaces would the completed project have? How many would the project eliminate?

None.

- d. Will the proposal require any new roads or streets, or improvements to existing roads or streets, not including driveways? If so, generally describe (indicate whether public or private).

No.

- e. Will the project 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? If known, indicate when peak volumes would occur.

Excavated soil and debris will be transported from the Site to a permitted and licensed off-site disposal facility to be selected by the project contractor. Based on the anticipated volume of soil to be removed and disposed of, it is expected that during construction up to 6 truck trips per day will be generated. In addition, construction workers would likely generate up to 10 trips per day and up to 5 peak hour trips.

Following completion of the Interim Action, vehicular traffic is not anticipated to change as a result of the project.

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

Truck traffic will be routed from the site to the designated truck route along Roeder Avenue.

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.

N/A

16. UTILITIES

- a. Check utilities currently available at the site:

☒ Electricity,	☐ Natural gas,
☒ Water,	☐ Refuse service,
☒ Telephone,	☒ Sanitary sewer,
☐ Septic system,	☐ Other: Internet

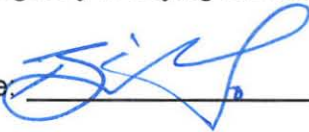
- b. Describe the utilities that are proposed for the project, the utility providing the service, and the general construction activities on the site or in the immediate vicinity which might be needed.

None.

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



7/11/2012

Date Submitted

REFERENCES CITED

- AECOM, 2009. *Ecology Review Draft Remedial Investigation/Feasibility Study for the Central Waterfront Site, Bellingham, Washington*. August 31, 2009
- Anchor QEA (Anchor QEA, LLC), 2012a. *Biological Evaluation*. Prepared for the Central Waterfront Site – Chevron Subarea Interim Action Project.
- Anchor QEA, 2012b. *Joint Aquatic Resources Permit Application*. Prepared for the Central Waterfront Site – Chevron Subarea Interim Action Project.
- Anchor QEA, 2012c. *Cultural Resources Assessment*. Prepared for the Central Waterfront Site – Chevron Subarea Interim Action Project.
- COB (City of Bellingham), 2006. *Comprehensive Plan*. Approved by the City of Bellingham Planning Commission on June 5, 2006.
- COB, 2012. CityIQ Online Map Viewer. Accessed: June 25, 2012. Available from: <http://www.cob.org/cityiq/website/index.html>.
- DAHPP (Washington State Department of Archaeology and Historic Preservation), 2012. Washington Information System for Architectural and Archaeological Records Data (WISAARD). Accessed: June 25, 2012. Available from: <https://fortress.wa.gov/dahp/wisaard/>.
- Ecology (Washington State Department of Ecology), 2007. *Final Supplemental Environmental Impact Statement: Bellingham Bay Comprehensive Strategy – Whatcom Waterway Cleanup Site*. Published September 20, 2007.
- FEMA (Federal Emergency Management Agency), 2004. Flood Insurance Rate Maps (FIRM). Map number 53073C1213D; January 16, 2004.
- WDFW (Washington Department of Fish and Wildlife), 2000. SalmonScape Interactive mapper – Salmon presence; forage fish spawning habitat. Accessed: June 25, 2012. Available from: <http://wdfw.wa.gov/mapping/salmonscape/>.
- WDFW, 2008. WDFW Priority Habitats and Species Map in the Vicinity of T37R02E Section 2. August 19, 2008.
- WTA (Whatcom Transit Authority), Updated 2012. Accessed: June 25, 2012. Available from: <http://www.ridewta.com/>.

ATTACHMENT 1

PROJECT DESCRIPTION

PROJECT OVERVIEW

The Central Waterfront Site – Chevron Subarea Interim Action (Project) will implement an Interim Action as required in Agreed Order No. DE 3441 (as amended) between the Washington State Department of Ecology (Ecology), the Port of Bellingham (Port), and the City of Bellingham. The interim action will address the cleanup of petroleum hydrocarbon sheens that have been observed on the southern shoreline of the Chevron subarea of the Central Waterfront Site through excavating the Project area and backfilling the excavated area with a protective cap of clean material. Petroleum hydrocarbons have been identified in the nearshore sediments in the Project area, as well as in upland soil and groundwater. Figure 1 is a vicinity map of the Project area.

The Central Waterfront site is currently going through a state Model Toxics Control Act (MTCA) cleanup process, with cleanup of the 55-acre site anticipated to begin in 2015. The interim action will be implemented in the winter of 2012/2013 prior to the completion of the remedial investigation/feasibility study (RI/FS) for the Central Waterfront site.

PROJECT LOCATION

The property (Tax Parcel #380225493165) is owned by the Port of Bellingham. The Project is located at 1020 C Street along the Central Waterfront in Bellingham, Washington 98227.

PROJECT PURPOSE AND NEED

This interim action is needed to prevent the spread of petroleum contamination to the waters of Bellingham Bay by removing the impacted sediments in the area where sheens have been observed, installing a temporary liner to prevent recontamination by upland impacts pending completion of the RI/FS, and backfilling with clean cap material to prevent further erosion of the shoreline.

PROJECT ACTIVITIES

Project activities include the excavation of contaminated material, backfill with clean cap material, and removal of approximately 12 creosote-treated pilings within the intertidal shoreline of the Chevron subarea as shown on Sheet 2.

Approximately 1,000 cubic yards of contaminated beach sediments will be excavated as a radial trench between the standing sections of parallel and perpendicular bulkhead and between elevations +2 to +14 feet mean lower low water (MLLW). Excavation may be limited in the area immediately adjacent to the existing dock so as not to disturb the exposed tiebacks currently supporting the bulkhead. Based on test borings, the excavation is expected to extend to a depth of +2 feet MLLW, but no deeper than elevation 0 feet MLLW (Sheet 3 shows a typical cross-section of the excavation). Ten feet of the floor and the landward slope of the radial trench excavation will be covered with an impermeable plastic sheet, as shown on Sheet 4. The sheeting will be covered with 2 to 2.5 feet of sand cap material, 1 to 1.5 feet of filter/gravel material, and 2 to 2.5 feet of armor rock. A final layer of "fish mix" will be placed on top of the armor stone as shown on Sheet 4. The fish mix is comprised of 3-inch minus rock material.

The fish mix will be placed to allow it to fill the interstitial areas of the cap material and provide habitat for juvenile salmonids and other species. The fish mix is being placed at the request of the Washington State Department of Fish and Wildlife (WDFW) as an opportunity to understand the practicality of its application for future projects along the Central Waterfront and Whatcom Waterway. The fish mix will be placed as a one-time application and no maintenance or performance standards regarding the ultimate fate of the fish mix will be employed. The WDFW will observe and document movement/erosion over a 1-year period and use this information to inform the viability of such actions on future projects.

The position of the existing +10 MLLW elevation contour will be maintained after excavation and backfill. Additional design details will be presented in the interim action work plan and design documents.

The excavation and backfill will proceed in small sections perpendicular to the water during low tides within the construction window, which may require nighttime work and will proceed from the landward side and in the dry. The excavation and backfill are expected to take between 4 and 6 working days to complete.

CONSTRUCTION METHODS

Petroleum-contaminated soils and sediments will be excavated by either track-mounted excavators equipped with buckets or rubber-tired backhoes. Front-loading construction equipment may also be used in conjunction with the excavators. Excavation and backfill with clean cap material will occur during low-tide stages. During each low-tide stage, a silt curtain will be placed between the two existing timber bulkheads to separate the work site from the water. Sandbags will be placed by hand to secure the silt curtain during construction. The sandbags and silt curtain will be removed daily after construction has concluded. In addition, an oil containment boom will be used to contain the spread of any oil sheens into the Whatcom Waterway.

Excavated material will either be stockpiled on site in the upland area for future disposal or loaded directly onto plastic-lined dump trucks for immediate disposal in an approved upland disposal facility. If the material is stockpiled on site, best management practices (BMPs) will be employed to minimize the potential for erosion from the stockpile. BMPs for the project are detailed in Appendix 3. During excavation, creosote-treated piling, cross-ties, and deadmen within the project footprint will be removed using heavy equipment. Piling will be removed by either cutting them off at the bottom elevation of the excavated area or by pulling them out with an excavator. All piling, cross-ties, or deadmen removed will be disposed of in an approved upland disposal facility.

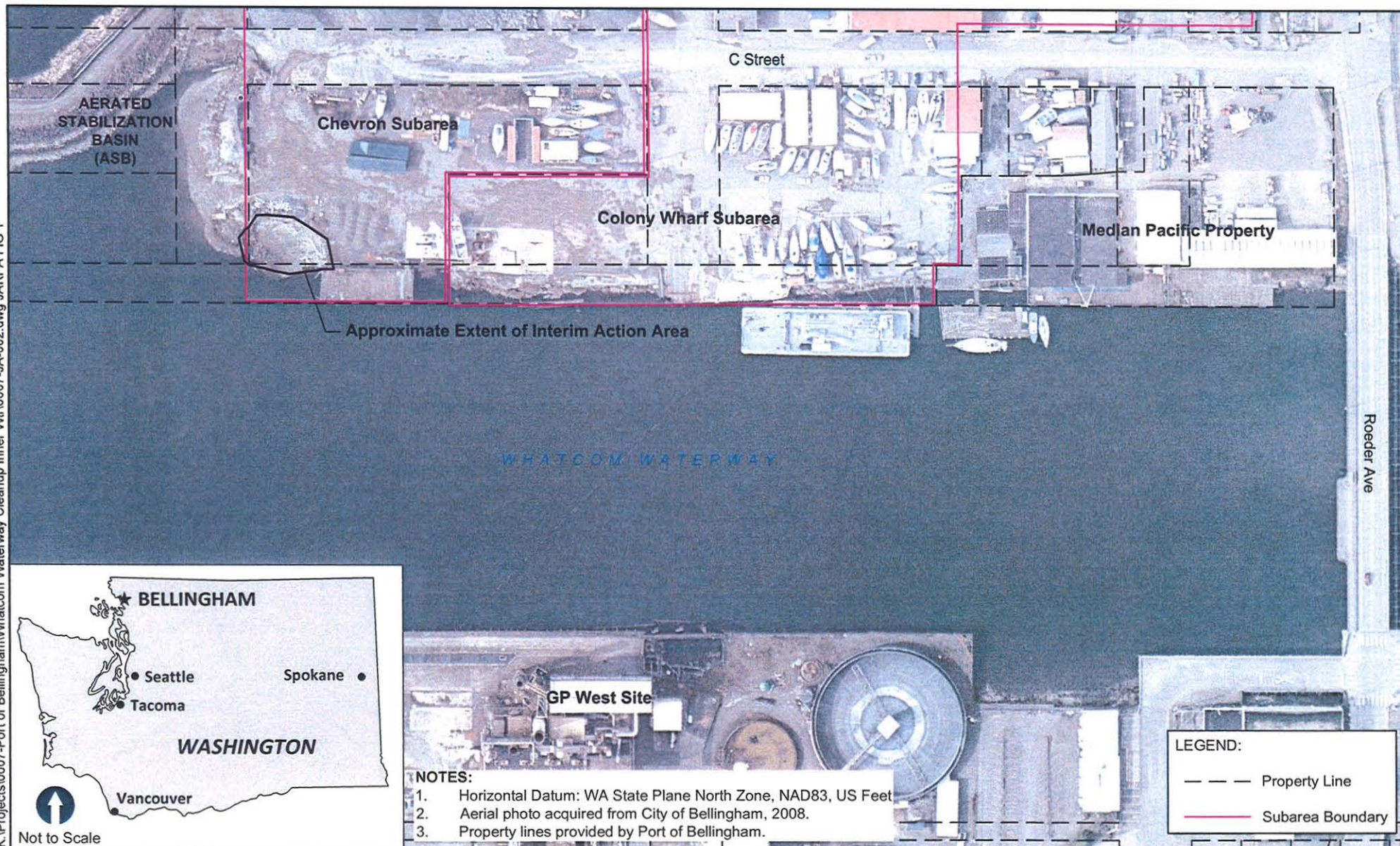
Clean cap material will be placed the excavation areas using the excavation equipment noted above. Clean cap material will be either be stockpiled on site prior to construction or brought in by truck and immediately placed.

CONSTRUCTION SCHEDULE

The project is expected to take approximately 4 to 6 nights to complete over a 2-week period within the month of January, during favorable tidal conditions. All work will be conducted in the dry; therefore, no in-water work will occur.

ATTACHMENT 2

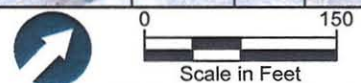
JARPA SHEETS



NOTES:
 1. Horizontal Datum: WA State Plane North Zone, NAD83, US Feet
 2. Aerial photo acquired from City of Bellingham, 2008.
 3. Property lines provided by Port of Bellingham.

LEGEND:
 - - - Property Line
 — Subarea Boundary

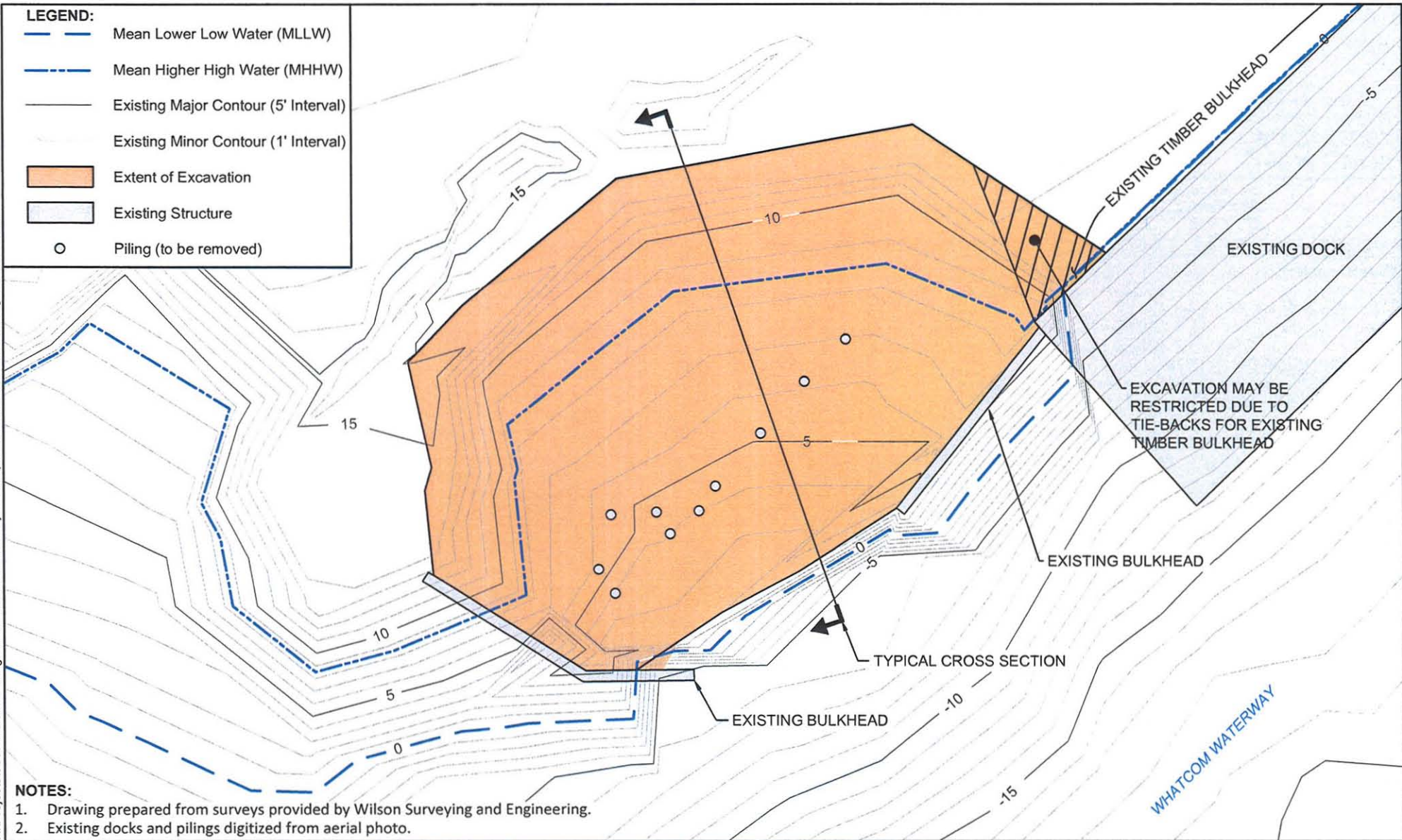
VICINITY MAP



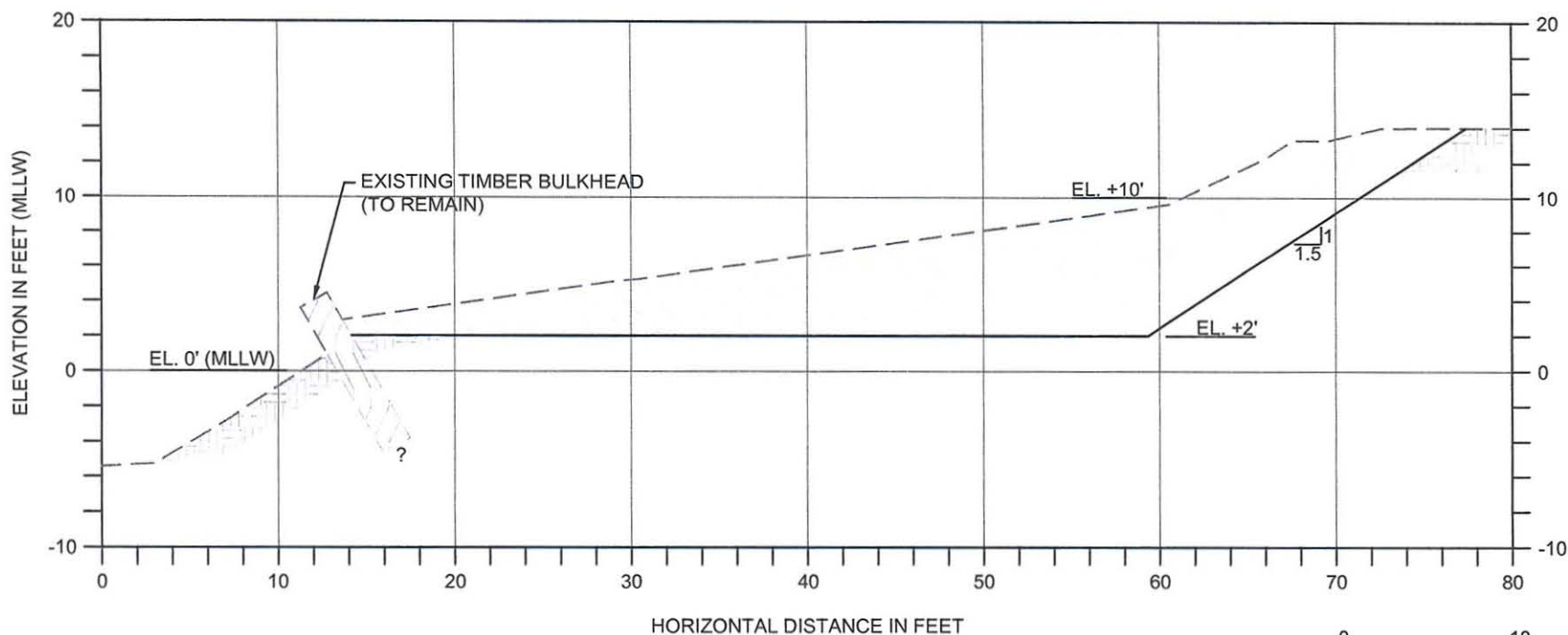
PURPOSE: INTERIM ACTION CLEANUP HORIZONTAL DATUM: WA STATE PLANE NORTH, NAD83, FT. VERTICAL DATUM: MLLW 0.0' LATITUDE: 48°45'01.59"N LONGITUDE: 122°29'20.40"W S-T-R: S25-T38N-R2E SITE LOCATION ADDRESS: 1020 C STREET BELLINGHAM, WA 98227	NAME: CENTRAL WATERFRONT SITE- CHEVRON SUB AREA INTERIM ACTION ADJACENT PROPERTY OWNERS: 1 - CITY OF BELLINGHAM	PROPOSED: REMOVAL OF PETROLEUM CONTAMINATED SOILS AND SEDIMENTS. IN: CENTRAL WATERFRONT / WHATCOM WATERWAY NEAR/AT: CITY OF BELLINGHAM COUNTY OF: WHATCOM STATE: WASHINGTON DATE: JUNE 2012	ANCHOR OEA 720 Olive Way, Suite 1900 Seattle, WA 98101 206-287-9130 SHEET: 1 OF 4
--	---	---	--

K:\Projects\0007-Port of Bellingham\Whatcom Waterway Cleanup Inner Wn0007-JA-002.dwg JARPA FIG 2

Jul 02, 2012 3:31pm epipkin



PURPOSE: INTERIM ACTION CLEANUP HORIZONTAL DATUM: WA STATE PLANE NORTH, NAD83, FT VERTICAL DATUM: MLLW 0.0' LATITUDE: 48°45'01.59"N LONGITUDE: 122°29'20.40"W S-T-R: S25-T38N-R2E SITE LOCATION ADDRESS: 1020 C STREET BELLINGHAM, WA 98227			NAME: CENTRAL WATERFRONT SITE - CHEVRON SUB AREA INTERIM ACTION ADJACENT PROPERTY OWNERS: 1 - CITY OF BELLINGHAM		PROPOSED: REMOVAL OF PETROLEUM CONTAMINATED SOILS AND SEDIMENTS. IN: CENTRAL WATERFRONT / WHATCOM WATERWAY NEAR/AT: CITY OF BELLINGHAM COUNTY OF: WHATCOM STATE: WASHINGTON DATE: JUNE 2012		ANCHOR OEA 720 Olive Way, Suite 1900 Seattle, WA 98101 206-287-9130		SHEET: 2 OF 4
---	--	--	--	--	---	--	--	--	-----------------------------



TYPICAL CROSS-SECTION: EXTENT OF EXCAVATION

NOTE: Drawing prepared from surveys provided by Wilson Surveying and Engineering.

- LEGEND:**
- Existing Ground
 - Extent of Excavation
 - Area of Excavation

PURPOSE: INTERIM ACTION CLEANUP

DATUM: MLLW 0.0'
 LATITUDE: 48°45'01.59"N
 LONGITUDE: 122°29'20.40"W
 S-T-R: S25-T38N-R2E

SITE LOCATION ADDRESS:
 1020 C STREET
 BELLINGHAM, WA 98227

NAME: CENTRAL WATERFRONT SITE - CHEVRON SUB AREA
 INTERIM ACTION

ADJACENT PROPERTY OWNERS:
 1 - CITY OF BELLINGHAM

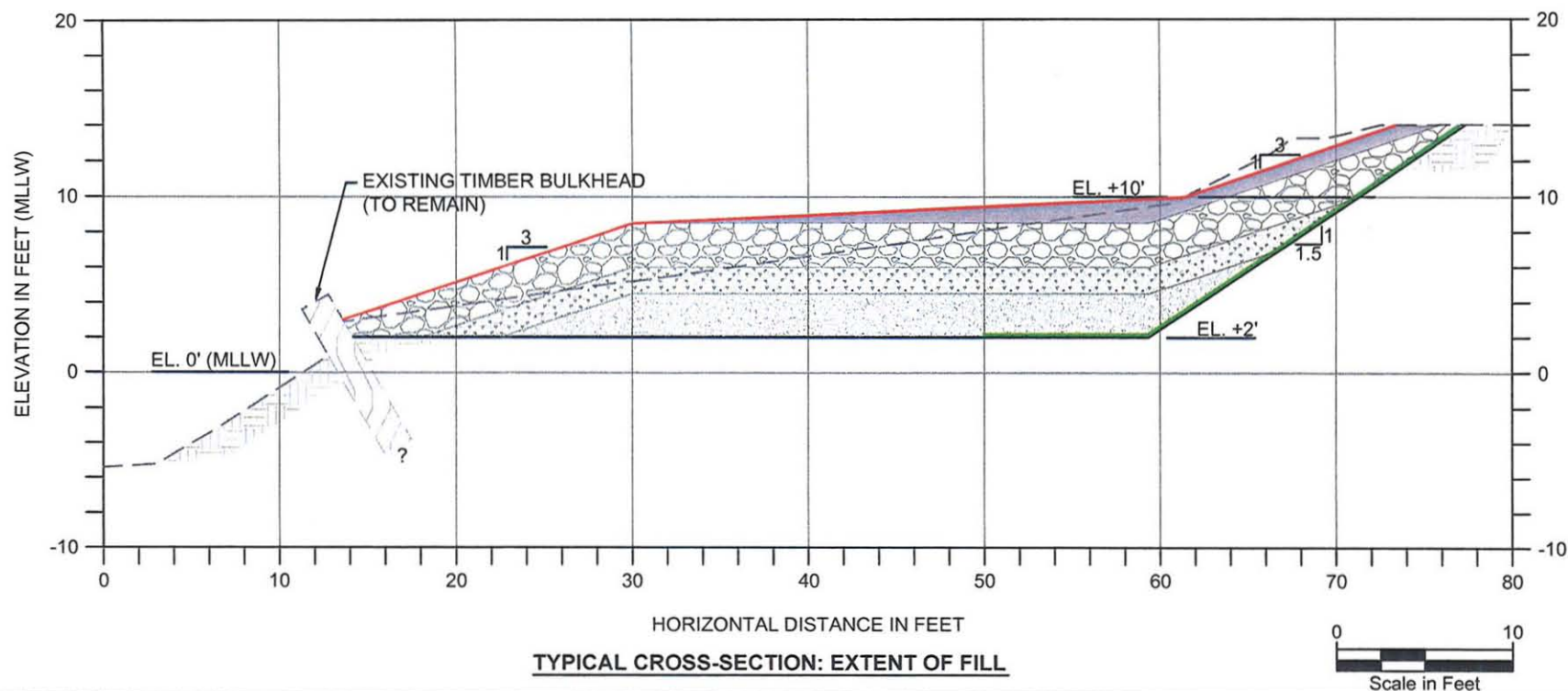
PROPOSED: REMOVAL OF PETROLEUM
 CONTAMINATED SOILS AND SEDIMENTS.

IN: CENTRAL WATERFRONT / WHATCOM
 WATERWAY
 NEAR/AT: CITY OF BELLINGHAM
 COUNTY OF: WHATCOM
 STATE: WASHINGTON

DATE: JUNE 2012

**ANCHOR
 OEA**
 720 Olive Way, Suite 1900
 Seattle, WA 98101
 206-287-9130

SHEET: 3 OF 4



NOTE: Drawing prepared from surveys provided by Wilson Surveying and Engineering.

LEGEND:	---	Existing Ground		Fish Mix (3" Minus Gravel and Sand)
	—	Proposed Ground		Armor (2.0 - 2.5 ft Thickness)
	---	Extent of Excavation		Filter/Gravel (1.0 - 1.5 ft Thickness)
	—	Impermeable Liner		Sand Cap (2.0 - 2.5 ft Thickness)

PURPOSE: INTERIM ACTION CLEANUP

DATUM: MLLW 0.0'
 LATITUDE: 48°45'01.59"N
 LONGITUDE: 122°29'20.40"W
 S-T-R: S25-T38N-R2E

SITE LOCATION ADDRESS:
 1020 C STREET
 BELLINGHAM, WA 98227

NAME: CENTRAL WATERFRONTSITE - CHEVRON SUB AREA
 INTERIM ACTION

ADJACENT PROPERTY OWNERS:
 1 - CITY OF BELLINGHAM

PROPOSED: REMOVAL OF PETROLEUM
 CONTAMINATED SOILS AND SEDIMENTS.

IN: CENTRAL WATERFRONT / WHATCOM
 WATERWAY
 NEAR/AT: CITY OF BELLINGHAM
 COUNTY OF: WHATCOM
 STATE: WASHINGTON

DATE: JUNE 2012



720 Olive Way, Suite 1900
 Seattle, WA 98101
 206-287-9130

SHEET: 4 OF 4