

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

**Measures to control fugitive dust will be incorporated into the Project Construction Plan.**

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 dominant physical features of this project site are Swan Creek and the Haire Wetland. The water joins Clear Creek approximately 300' east of site.**

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

**The project site is located almost entirely within 200 feet of the either Swan Creek and / or the Haire Wetland.**

- 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.

**Freshwater marsh and open water habitat would be created by excavating approximately eight feet of fill material from the interior of the Walter property (Parcel #032011-3077). This area borders the existing Haire Wetland to the south. This is approximately 11,000 yd<sup>3</sup>. Post construction elevations would range from 13-14 feet NGVD29 in the re-established wetland area to existing elevations - approximately 22 ft NGVD29 - around the marsh perimeter. The material excavated from the property would be removed to the appropriate disposal facility. If suitable, some excavated material may be utilized on site to create topographic features, such as a small berm between Pioneer Way and the restored wetland area. Material might also be used to create a similar berm in places between the pedestrian walkway and project habitat areas as a method of encouraging people to utilize only developed pedestrian access facilities.**

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

***No surface water withdrawals are required as part of this proposal. Temporary surface water diversions may be necessary for construction of the new wetland, as well as for possible stream bed relocation.***

Stream bed relocation and new wetland construction will result in permanent diversions as restorative measures include permanent hydrologic changes within the system.

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

***The majority of the site lies within the 100 year flood plain.***

- 6) Does the proposal involve any discharges of waste materials to surface waters? If so, describe the type of waste and anticipated volume of discharge.

***No discharge of waste materials will occur as part of this project.***

b. Ground:

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

***Ground water will not be withdrawn and water will not be discharged to ground water as part of this project.***

- 2) Describe waste material that will be discharged into the ground from septic tanks or other sources, if any. For example: domestic sewage, industrial, containing the following chemicals . . . agricultural; etc. Describe the general size of the system, the number of such systems, the number of houses to be served, if applicable, or the number of animals or humans the system(s) are expected to serve.

***No waste of any kind will be discharged to the ground as part of this project.***

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.

***Water may enter this site through precipitation or through run-on from upgradient sources. Water that falls onto the site as precipitation will drain to the Haire Wetland and / or Swan Creek. Run-on water comes mainly through the existing Swan Creek. This project will not materially alter the quantity of water running off from this site. The main exit point for water is and will remain the culvert under the railroad tracks near the northern edge of the project. This water joins Clear Creek approximately 300' east of the project site.***

- 2) Could waste materials enter ground or surface waters?

***No.***

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

***The project riparian area will be planted with native vegetation to promote habitat and minimize erosion.***

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, milfoil, other	√
other types of vegetation	

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

**A planting plan will be presented to the Natural Resource Trustees for review and approval prior to implementation. Himalayan blackberry, Scots broom and other invasive species will be removed and plantings will be comprised of a mixture of native vegetation suitable for this area.**

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

Salmonids utilize portions of the creek in the area, although the extent is not clearly known.

~~No threatened or endangered species are known to exist 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:

The site will be planted in native vegetation, except for a small public access walkway. Species shall include:

Trees	Shrubs	
Western Red Cedar <u>(Thuja plicata)</u>	Vine Maple <u>(Acer circinatum)</u>	Ninebark <u>(Physocarpus capitatus)</u>
Western Hemlock <u>(Tsuga heterophylla)</u>	Red Osier Dogwood <u>(Cornus stolonifera)</u>	Ocean Spray <u>(Holodiscus discolor)</u>
Douglas Fir <u>(Pseudotsuga menziesii)</u>	Salmonberry <u>(Rubus spectabilis)</u>	Willow (Salix sp.)
Red Alder <u>(Alnus rubra)</u>	Serviceberry <u>(Amelanchier alnifolia)</u>	
Black Cottonwood <u>(Populus trichocarpa)</u>	Nootka rose <u>(Rosa nutkana)</u>	
Big Leaf Maple <u>(Acer macrophyllum)</u>	Red Elderberry <u>(Sambucus racemosa)</u>	
<b>Emergent Vegetation</b>		
Rushes <u>(Juncus sp.)</u>	Bur-reed <u>(Sparganium emersum)</u>	
Sedges <u>(Carex sp.)</u>	Wapato (i.e. Arrowhead) <u>(Sagittaria latifolia)</u>	
Small-fruited and Hard Stem Bulrush <u>(Scirpus microcarpus &amp; S. acutus)</u>	Skunk cabbage <u>(Lysichitum americanum)</u>	

5. **Animals**

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

***birds: Avian species noted during a site survey include great blue heron, red-tailed hawk and harlequin duck. Songbirds, and various waterfowl have been observed at or can be expected to utilize the site.***

***mammals: Small mammals are typically found on vacant properties such as this one. Evidence of beavers has been observed in this area.***

***fish: Salmonids have been observed in this area of Swan Creek.***

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

***~~No threatened or endangered species are known to be on or near the site.~~***

*Refer back to previous comment "salmonids have been observed in this area of Swan Creek." Salmonids are found in this area of Swan Creek, including potentially chinook.*

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

***Swan Creek and the Haire wetland may serve as a rearing area for juvenile salmonids migrating to the Pacific Ocean.***

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

***Construction of the restoration project would result in restored habitat or habitat functions serving numerous species of wildlife.***

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:

***The restoration project will not require a source of power.***

- 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.

***As the project will not require power, no energy conservation features are included in this proposal.***

## 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 environmental health hazards will occur as a result of this proposal.***

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

***No emergency services will be required.***

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

***No health hazards will exist as part of this proposal; as a result, no measures are proposed to reduce such hazards.***

- b. Noise

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

***Excessive noise has not been noted at the project site.***

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

*During construction, noise levels in the immediate project area will increase due to the operation of heavy equipment during normal daylight construction hours. Post-construction noise levels will be roughly identical to the levels (very low) which now exist at the vacant property.*

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

*Increased noise levels will be of limited duration and some distance from sensitive receptors. Control measures are likely not warranted. City staff will consult with adjoining property owners during construction to review operations if excessive noise is evident.*

## 8. Land and Shoreline Use

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

*The site is presently not used, i.e. it is vacant property. Adjacent property uses include a tire shop, a crafts supply business (The Clay Art Center), rail road tracks, residence and habitat restoration (Port of Tacoma).*

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

*The site has not been used for agriculture.*

- c. Describe any structures on the site.

*There is an abandoned, dilapidated single car garage at the southern end of the project area.*

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

*The abandoned garage will be demolished.*

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

***Parcels #032011 - 307 - 7 and #032011 - 300 - 2 are zoned R-SEP. Parcels #471502 - 403 - 1 and #471502 - 398 - 0 are zoned R3.***

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

***The area is designated "low-intensity" in the comprehensive plan.***

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

***The project has no shoreline designation for either the City or the County.***

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

***The wetland and stream classify this site as an environmentally sensitive area.***

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

***No people would reside or work at the completed project.***

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

***No people would be displaced by completed project.***

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

***No measures are proposed or applicable.***

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

***The proposed site use is an allowed use in this area and is compatible with surrounding uses.***

9. **Housing**

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

***No housing units would be developed at the site.***

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

***No housing units would be eliminated at the site.***

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

***No housing units would be eliminated or developed and measures to reduce or control impacts are 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?

***No structures will be built on the project site.***

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

***There are no view corridors currently on site and no alteration of this situation is proposed.***

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

***There are no aesthetic impacts, therefore no measures to reduce or control them are necessary.***

## 11. Light and Glare

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

***Lights will not be installed at the project site.***

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

***Lights will not be installed at the project site.***

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

***Vegetation at the site should provide a shield from any adjacent lights which might otherwise disturb wildlife.***

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

***Site monitoring will include evening visits to review area lighting. If recommended by project biologists, city staff will consult with neighboring businesses to explore alternative use of lighting.***

## 12. Recreation

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

***Nearby recreational opportunities include the Swan Creek regional park.***

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

***The project would not displace existing recreational opportunities.***

- 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 a small path accessible from the Pioneer Way.***

### 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?

*No historic or proposed historic places or objects are located on the site.*

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

*No evidence of landmarks or other items of cultural, historic or archaeological importance are in evidence at or next to the site.*

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

*No measures are appropriate or applicable.*

### 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 adjacent to Pioneer Way East, a major thoroughfare. The site is accessible by car and bike.*

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

*The site is not accessible by bus. The nearest stop is approximately 1 mile away.*

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

*The site will support non-dedicated parking in the street right-of-way.*

- 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).

*The project will not require improvements to existing streets and roads.*

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

*The project will not rely upon water, rail, or air transportation.*

- f. How many vehicular trips per day would be generated by the completed project? If known, indicate when peak volumes would occur.

*Based upon informal observations made at the Gog-le-hi-te wetland on Lincoln Avenue, this project will potentially generate two-three car trips per day.*

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

*Traffic impacts are not expected; as a result no control measures are proposed.*

## 15. Public Services

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

*The project will not result in an increased need for public services.*

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

*The project will not result in an increased need for public services; as a result, no impact control measures are proposed.*

16. Utilities

- a. Underline utilities currently available at the site: electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system, other.

*Electricity, natural gas, water, refuse service, and telephone are available on site.*

- 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.

*The project may require irrigation; water is available at the site.*

C. Signature

The above answers are true and complete to the best of my knowledge. I understand that the lead agency is relying on them to make its decision.

Signature of Proponent/Applicant: \_\_\_\_\_ 

Date: 5/29/97

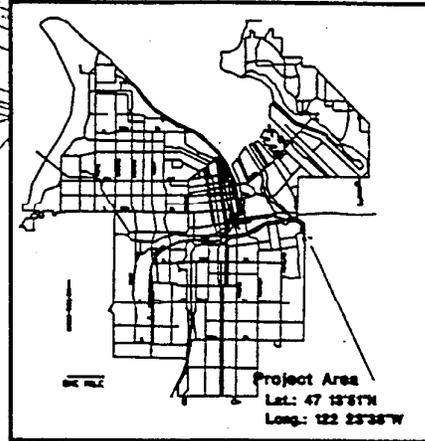
Received, Buildings and Land Use Services Division: _____
Date Submitted: _____
Receipt # _____ Filing Fee \$ _____

# Figure 1 Vicinity Map Swan Creek Restoration Project

## Directions to Site:

Traveling SE on River Road from the intersection with Portland Avenue, turn south on Pioneer Way East. Travel approximately 1,600 feet to northern edge of restoration

May 26, 1998 - 08:21:23 SHEDNE-02-0000.dwg



scale: 1"=500'

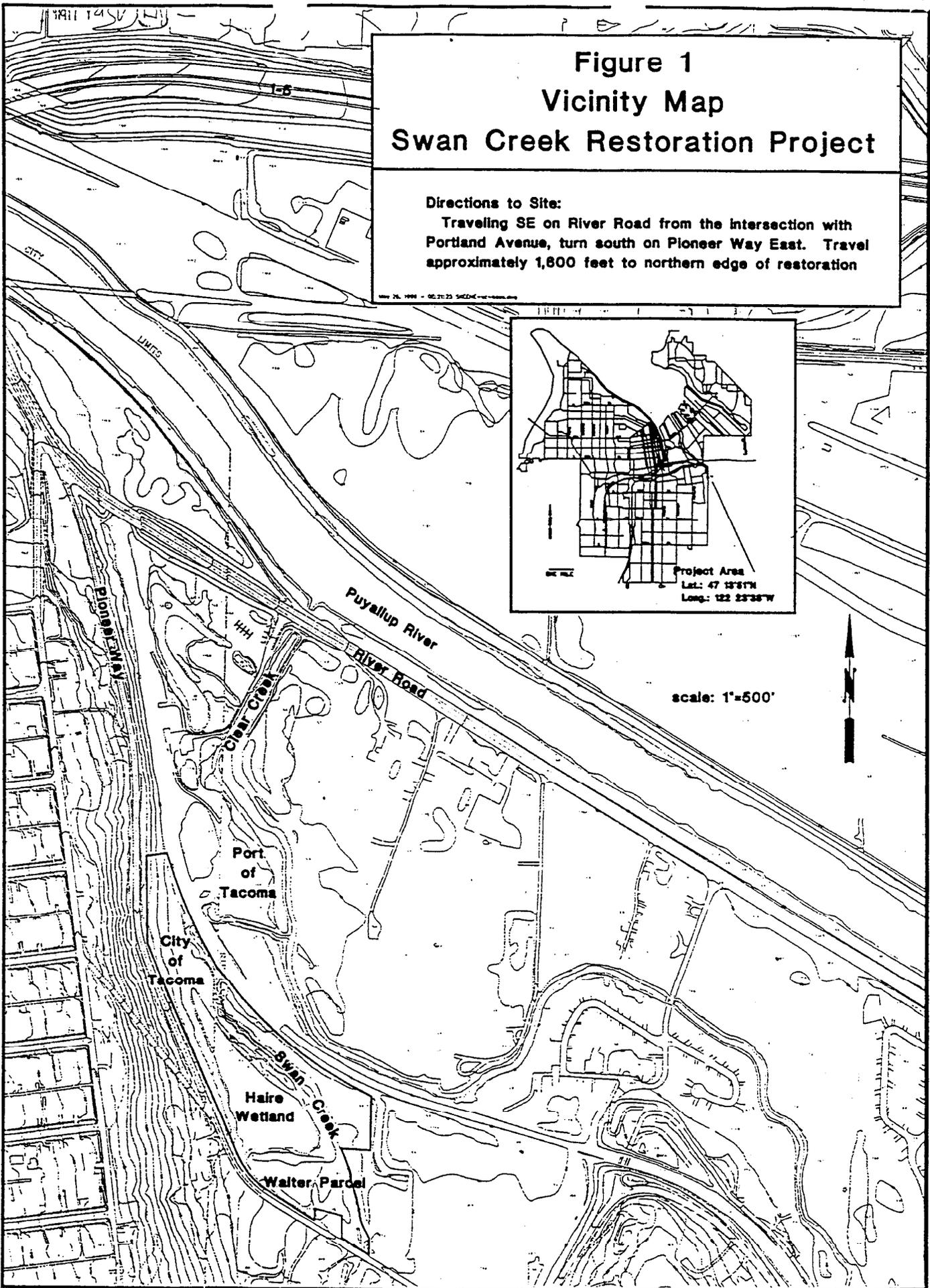
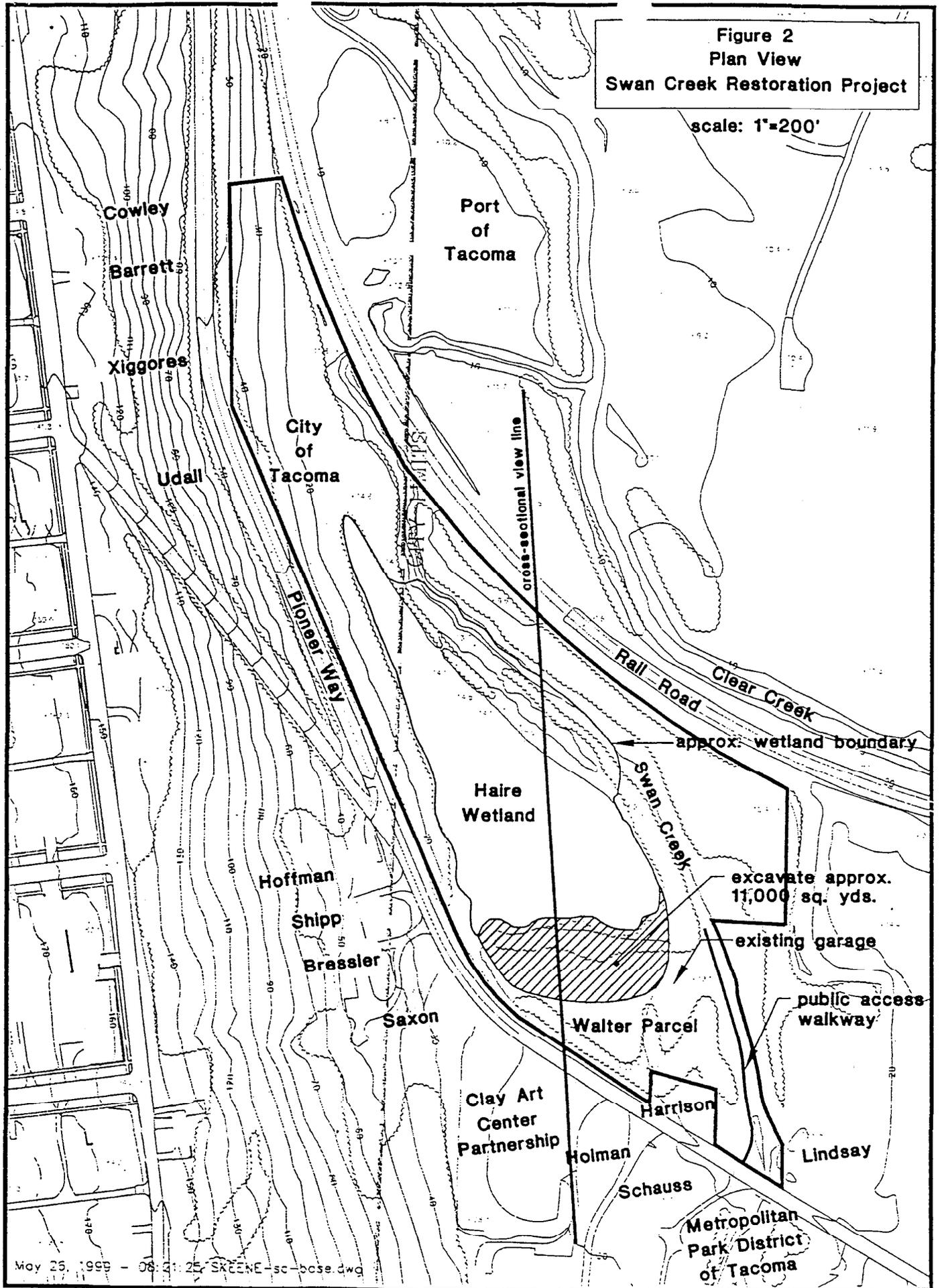


Figure 2  
Plan View  
Swan Creek Restoration Project

scale: 1"=200'



40

40

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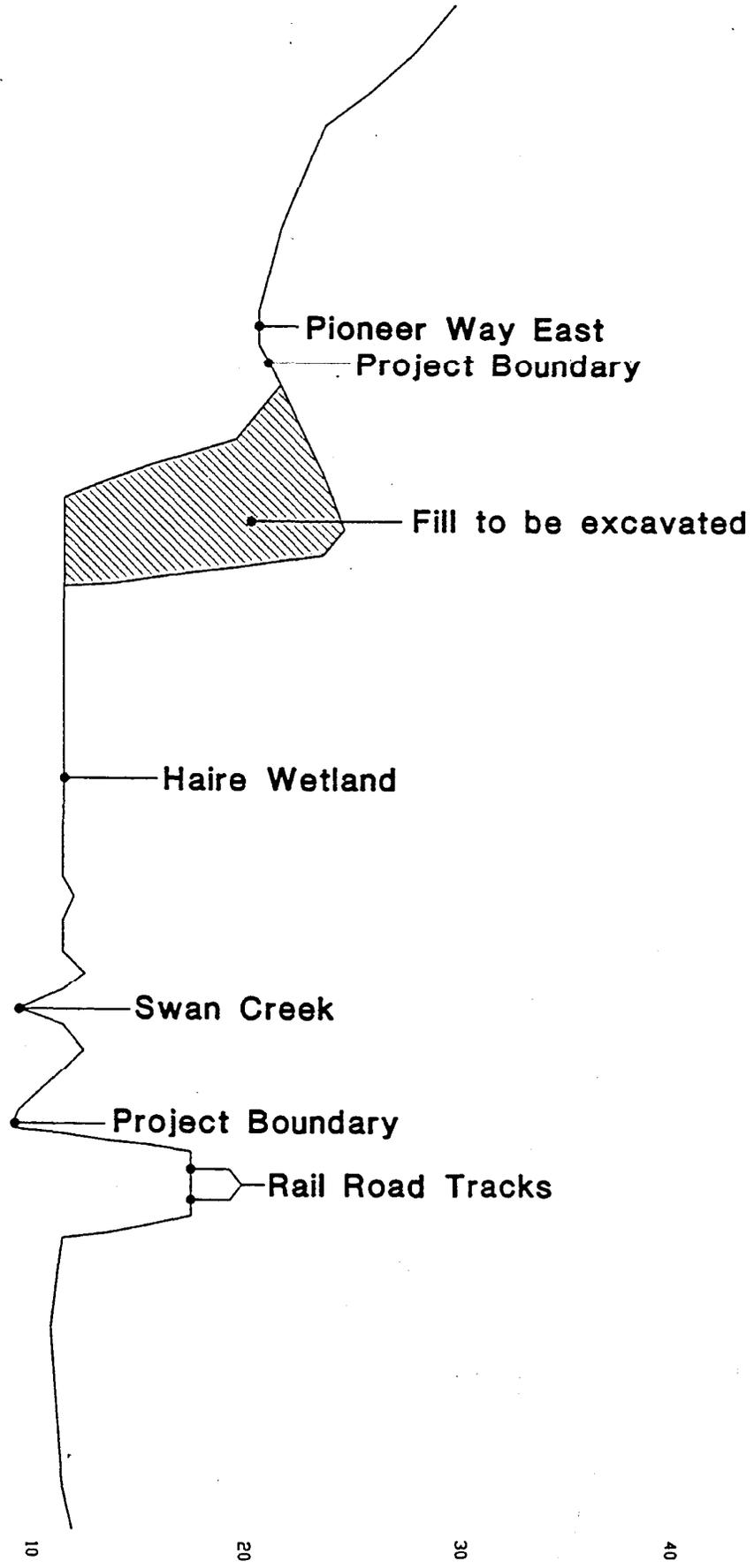
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10

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1400'

scale: 1"=150' H  
1"=7.5' V



**Figure 3**  
**Cross Sectional View**  
**Swan Creek Restoration Project**

**note: vertical datum is NGVD29**