

WAC 197-11-970 Determination of nonsignificance (DNS).

DETERMINATION OF NONSIGNIFICANCE

Description of proposal

Under the Soil Safety Program Ecology will do the following at these locations:

Soil Safety Program general: The purpose of the planned filling and grading is to remove arsenic and or lead contaminated soils and replace the excavated materials with clean soil from an approved offsite source (landscape material provider) selected by the contractor. The quantities for each site are presented below.

Baltimore Park is a park operated by Metro Parks Tacoma that has been impacted by arsenic and lead deposition from the former Asarco Tacoma Smelter. It is located in northwest Tacoma and occupies approximately 3 acres. The restoration and remediation plan involves excavation of approximately 2214 cubic yards of soil with clean soil and sod to replace the excavated areas. Grading will be restored to original state.

Optimist Park is a park operated by Metro Parks Tacoma that has been impacted by arsenic and lead deposition from the former Asarco Tacoma Smelter. It is located at 1330 North James Street and occupies approximately 3 acres. The restoration and remediation plan involves excavation of approximately 61 cubic yards with clean soil and sod to replace excavated areas. Grading will be restored to original state.

Proponent Washington State Department of Ecology

Location of proposal, including street address, if any

Baltimore Park is located at 4716 North Baltimore Street which is in the northwest area of Tacoma. Parcel Number 6595200291

Optimist Park is located at 1330 North James Street which is in the west end residential area of Tacoma. Parcel Number 8940000411

Lead agency Washington State Department of Ecology

The lead agency for this proposal has determined that it does not have a probable significant adverse impact on the environment. An environmental impact statement (EIS) is not required under RCW 43.21C.030 (2)(c). This decision was made after review of a completed environmental checklist and other information on file with the lead agency. This information is available to the public on request.

There is no comment period for this DNS.

This DNS is issued after using the optional DNS process in WAC 197-11-355. There is no further comment period on the DNS.

This DNS is issued under WAC 197-11-340(2); the lead agency will not act on this proposal for 14 days from the date below.

Responsible official Rebecca S. Lawson, P.E., LHG

Position/title Regional Section Manager, Southwest Regional Office, Toxic Cleanup Program Phone. 360-407-6241

Address PO Box 47775 Olympia, WA 98504

Date 3/12/2015 Signature Rebecca S. Lawson

(OPTIONAL)

You may appeal this determination to (name) _____
at (location) _____
no later than (date) _____
by (method)

You should be prepared to make specific factual objections.
Contact _____ to read or ask about the procedures for SEPA appeals.

There is no agency appeal.

SEPA ENVIRONMENTAL CHECKLIST
UPDATED 2014

Purpose of checklist:

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

Instructions for applicants: [\[help\]](#)

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

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

Instructions for Lead Agencies:

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

Use of checklist for nonproject proposals: [\[help\]](#)

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

A. background [\[help\]](#)

1. Name of proposed project, if applicable: [\[help\]](#)

Baltimore and Optimist Park Remediation

2. Name of applicant: [\[help\]](#)

Department of Ecology - Amy Hargrove

3. Address and phone number of applicant and contact person: [\[help\]](#)

**PO Box 47775
Olympia, WA 98504-7555**

(360) 407-6262

4. Date checklist prepared: [\[help\]](#)

2014-12-22

5. Agency requesting checklist: [\[help\]](#)

City of Tacoma

6. Proposed timing or schedule (including phasing, if applicable): [\[help\]](#)

July – September 2015

7. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain. [\[help\]](#)

No changes or expansions are proposed for this project.

8. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal. [\[help\]](#)

The soil contains arsenic or lead or both arsenic and lead above the Washington State Model Toxics Control Act standard for unrestricted land uses due to historic fallout from the Asarco Tacoma Smelter. Ecology and Tacoma Pierce County Health Department have previously tested soil at this site.

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. [\[help\]](#)

None are known.

10. List any government approvals or permits that will be needed for your proposal, if known. [\[help\]](#)

**Grading permit
NPDES Permit**

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.) [\[help\]](#)

Baltimore Park is a park operated by Metro Parks Tacoma that has been impacted by arsenic and lead deposition from the former Asarco Tacoma Smelter. It is located in northwest Tacoma and occupies approximately 3 acres. The restoration and remediation plan involves excavation of approximately 2214 cubic yards of soil with clean soil and sod to replace the excavated areas. Grading will be restored to original state.

Optimist Park is a park operated by Metro Parks Tacoma that has been impacted by arsenic and lead deposition from the former Asarco Tacoma Smelter. It is located at 1330 North James Street and occupies approximately 3 acres. The restoration and remediation plan involves excavation of approximately 61 cubic yards with clean soil and sod to replace excavated areas. Grading will be restored to original state.

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. [\[help\]](#)

Baltimore Park is located at 4716 North Baltimore Street which is in the northwest area of Tacoma.

Optimist Park is located at 1330 North James Street which is in the west end residential area of Tacoma.

B. ENVIRONMENTAL ELEMENTS [\[help\]](#)

1. Earth

a. General description of the site [\[help\]](#)
(circle one): **Flat**, rolling, hilly, steep slopes, mountainous, other.

Flat

b. What is the steepest slope on the site (approximate percent slope)? [\[help\]](#)

Baltimore Park – Within the work limits the steepest slope in the park is approximately 2%.

Optmist Park - Within the work limits the steepest slope in the park is approximately 10%. This slope is a small section of the park with the rest of the park a flat athletic field.

- 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. [\[help\]](#)

General Soil Type G&, Slightly redder and more deeply-weathered than soils in G6. Major soil series Alderwood-Everett-Harsine-Kitsap-Indianola

- d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe. [\[help\]](#)

No.

- e. Describe the purpose, type, total area, and approximate quantities and total affected area of any filling, excavation, and grading proposed. Indicate source of fill. [\[help\]](#)

At Baltimore Park - approximately 2,214 cubic yards will be excavated in approximately 3 acres. The fill will be sports field topsoil with approximately 2,213 cubic yards of fill will be placed. Grading will be restored to original conditions.

At Optimist Park - approximately 1,313 cubic yards will be excavated and 1,313 cubic yards of sports field topsoil fill will be imported and restored to original grading.

- f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe. [\[help\]](#)

While construction is not planned for anywhere near an unstable slope it is possible that some erosion may occur on parts of the site as development is on-going. Excavation and grading will expose the soils to the erosion effects of wind and water. Wet weather could increase the amount of erosion. If erosion occurs it will not leave the site.

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

The amount of impervious surfaces will not increase after construction and stay at the current state.

- h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any: [\[help\]](#)
Erosion and sedimentation controls will be in place. Silt fences will be placed along the perimeter of the work area and will be installed and maintained according to the requirements of Washington State Department of Ecology. The temporary erosion control measures will be in place until permanent erosion control measures are functional.

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. [\[help\]](#)
Minimal emissions during construction are anticipated due to use of equipment on site and construction worker's personal, company or subcontractor vehicles to and from the site. Dust may occur when removing soil and replacing clean soil, however, strict dust control measures will be implemented to prevent the spread of contaminated dust.
- b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe. [\[help\]](#)
- c. **No off-site sources of emissions or odor known.**
- d. Proposed measures to reduce or control emissions or other impacts to air, if any: [\[help\]](#)
Dust control measures will be in place.

3. Water

- a. Surface Water: [\[help\]](#)
- 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. [\[help\]](#)
There are no surface water bodies on or near the project site.
- 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. [\[help\]](#)
No work will occur within 200 feet of any surface water bodies.
- 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. [\[help\]](#)

No fill will be placed or removed from surface water or wetlands for this project.

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

No surface water will be withdrawn or diverted as part of this project.

- 5) Does the proposal lie within a 100-year floodplain? If so, note location on the site plan. [\[help\]](#)

This project is not within a 100-year floodplain.

- 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. [\[help\]](#)

No waste materials will be discharged into surface waters.

b. Ground Water:

- 1) Will groundwater be withdrawn from a well for drinking water or other purposes? If so, give a general description of the well, proposed uses and approximate quantities withdrawn from the well. Will water be discharged to groundwater? Give general description, purpose, and approximate quantities if known. [\[help\]](#)

No groundwater will be withdrawn and no water will be discharged to groundwater.

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

No waste material will be discharged into the ground.

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. [\[help\]](#)

The main source of runoff will be stormwater. The project will not create new impervious surface that would result in an increase in stormwater runoff. After remediation, stormwater from the sports fields will be collected in a very similar manner to the existing drainage, with no changes in overall drainage pathways. Stormwater will continue to discharge to the City of Tacoma storm drain system.

- 2) Could waste materials enter ground or surface waters? If so, generally describe. [\[help\]](#)

It is not anticipated that any waste material will enter ground or surface water. Contaminated soils will be disposed of at a Subtitle D landfill that will be approved by the contractor and Ecology.

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

No.

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

None proposed.

4. Plants [\[help\]](#)

a. Check the types of vegetation found on the site: [\[help\]](#)

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? [\[help\]](#)

Only grass will be removed from the site, which will then be replaced.

c. List threatened and endangered species known to be on or near the site. [\[help\]](#)

No threatened or endangered species of plants are known to be 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: [\[help\]](#)

None proposed.

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

None known.

5. Animals

a. List any birds and other animals which have been observed on or near the site or are known to be on or near the site. Examples include: [\[help\]](#)

birds: hawk, heron, eagle, songbirds, other: **birds such as jays, crows and sparrows are most likely to be on or near the site.**

mammals: deer, bear, elk, beaver, other: **small mammals such as squirrels and rodents, and raccoons are the most common mammals likely to be near the site.**

fish: bass, salmon, trout, herring, shellfish, other: **No fish are found in the immediate vicinity.**

b. List any threatened and endangered species known to be on or near the site. [\[help\]](#)
No threatened or endangered species are known to be on or near the site.

c. Is the site part of a migration route? If so, explain. [\[help\]](#)
This site is within the Pacific Flyway and migratory birds can be found near by.

d. Proposed measures to preserve or enhance wildlife, if any: [\[help\]](#)
The project is not anticipated to impact wildlife in the area.

e. List any invasive animal species known to be on or near the site.
No invasive animal species are known to be on or near the site.

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. [\[help\]](#)
Gasoline and diesel will be used for running the equipment for this project.

b. Would your project affect the potential use of solar energy by adjacent properties? If so, generally describe. [\[help\]](#)
No, this project will not impact solar use by any adjacent properties.

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: [\[help\]](#)
No energy conservation features are included in the 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. [\[help\]](#)

- 1) Describe any known or possible contamination at the site from present or past uses.
Known contamination includes arsenic and lead due to deposition from the Tacoma smelter plume from the Asarco smelting plant that operated for almost 100 years. The purpose of this project is to remove this contamination.
- 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.
No known chemicals or conditions on site are likely to change the project development or design.
- 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.
No toxic chemicals will be stored, used or produced during this project.
- 4) Describe special emergency services that might be required.
None necessary.
- 5) Proposed measures to reduce or control environmental health hazards, if any:
Decontamination stations and wheel washes will be placed to remove any contaminated soil from moving off site.

b. Noise

- 1) What types of noise exist in the area which may affect your project (for example: traffic, equipment, operation, other)? [\[help\]](#)
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. [\[help\]](#)
Short-term construction noise will occur during daytime hours of construction.
- 3) Proposed measures to reduce or control noise impacts, if any: [\[help\]](#)
Construction will only take place in daylight hours.

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. [\[help\]](#)
The current use of the site is a park surrounded by residential homes as adjacent properties. This project will not affect current landuses on adjacent properties.

b. Has the project site been used as working farmlands or working forest lands? If so, describe. How much agricultural or forest land of long-term commercial significance will be converted to other uses as a result of the proposal, if any? If resource lands have not been designated, how many acres in farmland or forest land tax status will be converted to nonfarm or nonforest use? [\[help\]](#)

This project site has not been used as a working farmland or forest land. No working farmlands or forest lands will be converted in this project.

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:

This proposal will not affect or be affected by any surrounding farm or forest land.

e. Describe any structures on the site. [\[help\]](#)

No buildings exist on site. Other structures include playground equipment, a baseball backstop, and basketball hoops.

f. Will any structures be demolished? If so, what? [\[help\]](#)

No structures will be demolished.

g. What is the current zoning classification of the site? [\[help\]](#)

Baltimore Park - Zoning classification is R2- One Family Dwelling.

Optimist Park -Zoning classification is R1 - One Family Dwelling.

h. What is the current comprehensive plan designation of the site? [\[help\]](#)

Open space / recreation

i. If applicable, what is the current shoreline master program designation of the site? [\[help\]](#)

Not applicable.

j. Has any part of the site been classified as a critical area by the city or county? If so, specify. [\[help\]](#)

No, this site has not been classified as a critical area.

k. Approximately how many people would reside or work in the completed project? [\[help\]](#)

Not applicable, the project does not include occupiable buildings.

l. Approximately how many people would the completed project displace? [\[help\]](#)

None.

- m. Proposed measures to avoid or reduce displacement impacts, if any: [\[help\]](#)
None needed.
- n. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any: [\[help\]](#)
The proposed project will make the subject property more compatible with existing land use plans and future use by reducing risk of exposure to contaminated soils and improving drainage. The use of the park does not change.
- l. Proposed measures to ensure the proposal is compatible with nearby agricultural and forest lands of long-term commercial significance, if any:
None proposed.

9. Housing

- a. Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing. [\[help\]](#)
None.
- b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing. [\[help\]](#)
None.
- c. Proposed measures to reduce or control housing impacts, if any: [\[help\]](#)
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? [\[help\]](#)
There are no new structures proposed for this project.
- b. What views in the immediate vicinity would be altered or obstructed? [\[help\]](#)
No views will be altered by this project.
- c. Proposed measures to reduce or control aesthetic impacts, if any: [\[help\]](#)
None necessary.

11. Light and glare

- a. What type of light or glare will the proposal produce? What time of day would it mainly occur? [\[help\]](#)

No changes in light or glare will occur.

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

[\[help\]](#)

No.

- c. What existing off-site sources of light or glare may affect your proposal? [\[help\]](#)

No off-site sources of light will affect the proposal.

- d. Proposed measures to reduce or control light and glare impacts, if any: [\[help\]](#)

None proposed.

12. Recreation

- a. What designated and informal recreational opportunities are in the immediate vicinity? [\[help\]](#)

There are opportunities for walking, running, theater, golf, zoos, playgrounds.

- b. Would the proposed project displace any existing recreational uses? If so, describe. [\[help\]](#)

Yes, this project will temporary close the park effectively displacing uses of baseball, running, and picnic space.

- c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any: [\[help\]](#)

There are no proposed measures to control impacts on recreation opportunities.

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 located on or near the site? If so, specifically describe. [\[help\]](#)

Baltimore Park - An archaeological survey was dated for July 29th 2014 by Historical Research Associates, Inc. (HRA). A copy of this report was sent to DAHP. The only building on site is the Smeltermen's Union which was built in c. 1960 or 1961, remodeled in 1980 and is now used as a Senior Center. This building is not on any preservation registers.

Optimist Park - An archaeological survey was dated for July 29th 2014 by Historical Research Associates, Inc. (HRA). A copy of this report was sent to DAHP. There are no buildings or structures over 45 years old near the site.

- 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. [\[help\]](#)

No other features or landmarks are on or near the site.

- 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.

[\[help\]](#)

HRA conducted the archival record search using DAHP's online database (WISAARD), property inventory forms (HPIs), historic properties listed in the National Register of Historic Places (NRHP) or Washington Heritage Register (WHR), and cemetery records. The Pierce County Assessor-Treasurer's office online Parcel Search database was used to obtain information on each property.

- d. Proposed measures to avoid, minimize, or compensate for loss, changes to, and disturbance to resources. Please include plans for the above and any permits that may be required.

In the event of an inadvertent discovery of historic or prehistoric archaeological materials disturbance will stop and an HRA archaeologist and the property owner will be contacted. The archaeologist will visit the property to verify the identification and significance. Ecology will obtain a permit to dig from DAHP, if required.

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. [\[help\]](#)
Baltimore Park - is located between N. Shirley St and N. Baltimore St and the alleys behind N 48th St and the alley extended from N 47th St. Access to the site is from the alleyways.

Optimist Park - The public streets surrounding the site are James Street and Harmon Street, between N 13th Street and N 15th Street. These streets will be unaffected by the project due to the onsite access and staging areas.

- 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? [\[help\]](#)

Baltimore Park - the site is served by public transit. There is a bus stop 0.2 miles away.

Optimist Park - the nearest bus stop is 0.6 miles away from the site.

- c. How many additional parking spaces would the completed project or non-project proposal have? How many would the project or proposal eliminate? [\[help\]](#)

The park will retain the same number of parking spaces, and will neither gain or eliminate any parking spaces.

- 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). [\[help\]](#)
This proposal will not require any new transportation facilities or improvements to existing roads or other facilities.
- e. Will the project or proposal use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe. [\[help\]](#)
This project will not use or occur in the immediate vicinity of water, rail, or air transportation.
- f. How many vehicular trips per day would be generated by the completed project or proposal? If known, indicate when peak volumes would occur and what percentage of the volume would be trucks (such as commercial and nonpassenger vehicles). What data or transportation models were used to make these estimates? [\[help\]](#)
Vehicular trips per day will not change due to the completion of this project at either park.
- g. Will the proposal interfere with, affect or be affected by the movement of agricultural and forest products on roads or streets in the area? If so, generally describe.
This project is not expected to affect or be affected by agricultural or forest products roads in the area.
- h. Proposed measures to reduce or control transportation impacts, if any: [\[help\]](#)
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. [\[help\]](#)
No.
- b. Proposed measures to reduce or control direct impacts on public services, if any. [\[help\]](#)
None needed.

16. Utilities

- a. Circle utilities currently available at the site: [\[help\]](#)
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. [\[help\]](#)

None.

C. Signature [HELP]

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: Amy Hargrove
Name of signee Amy Hargrove
Position and Agency/Organization Remediation Manager / SWRO TCP Dept of Ecology
Date Submitted: 3/6/15

D. supplemental sheet for nonproject actions [help]

(IT IS NOT NECESSARY to use this sheet for project actions)

Because these questions are very general, it may be helpful to read them in conjunction with the list of the elements of the environment.

When answering these questions, be aware of the extent the proposal, or the types of activities likely to result from the proposal, would affect the item at a greater intensity or at a faster rate than if the proposal were not implemented. Respond briefly and in general terms.

1. How would the proposal be likely to increase discharge to water; emissions to air; production, storage, or release of toxic or hazardous substances; or production of noise?

Proposed measures to avoid or reduce such increases are:

2. How would the proposal be likely to affect plants, animals, fish, or marine life?

Proposed measures to protect or conserve plants, animals, fish, or marine life are:

3. How would the proposal be likely to deplete energy or natural resources?

Proposed measures to protect or conserve energy and natural resources are:

4. How would the proposal be likely to use or affect environmentally sensitive areas or areas designated (or eligible or under study) for governmental protection; such as parks, wilderness, wild and scenic rivers, threatened or endangered species habitat, historic or cultural sites, wetlands, floodplains, or prime farmlands?

Proposed measures to protect such resources or to avoid or reduce impacts are:

5. How would the proposal be likely to affect land and shoreline use, including whether it would allow or encourage land or shoreline uses incompatible with existing plans?

Proposed measures to avoid or reduce shoreline and land use impacts are:

6. How would the proposal be likely to increase demands on transportation or public services and utilities?

Proposed measures to reduce or respond to such demand(s) are:

7. Identify, if possible, whether the proposal may conflict with local, state, or federal laws or requirements for the protection of the environment.

OPTI:DC: File name: \\TAC\Projects\010504105\010504105\03_Sheet File\050410503_03.dwg TAB:R03 User: ccmj@k User: ccmj@k Plot time: Mar-10-15 @ 1:49pm



LEGEND

IRRIGATION MAINLINE ——— W ———

IRRIGATION LATERAL - - - - - IRR - - - - -

IRRIGATION SPRAY HEAD * * * * *

HORIZONTAL DATUM

PER CITY OF TACOMA, THE HORIZONTAL DATUM FOR THIS SURVEY IS NAD 83/91 WASHINGTON STATE PLANE COORDINATE SYSTEM, SOUTH ZONE, U.S. SURVEY FEET.

HORIZONTAL DATUM WAS ESTABLISHED USING THE WASHINGTON STATE REFERENCE NETWORK WITH GPS MEASUREMENTS AND HORIZONTAL ADJUSTMENTS MADE HOLDING PUBLISHED COORDINATES FOR THE FOLLOWING WSDOT MONUMENT:

DESIGNATION: VASSAULT
 NORTHING: 716751.920
 EASTING: 1138965.065

VERTICAL DATUM (CITY OF TACOMA NGVD29):

BASED ON CITY OF TACOMA VERTICAL BENCHMARK NO. 812

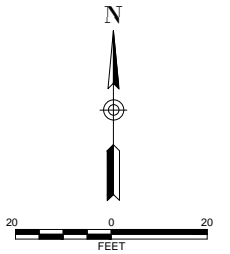
2" BRASS DISK AT THE NORTH SIDE OF THE INTERSECTION OF NORTH 46TH STREET AND BALTIMORE STREET

ELEVATION: 250.988'

SURVEYORS NOTES

1. SURVEY CONDUCTED BY PARAMETRIX ON AUGUST 7, 2014.
2. ALL UNDERGROUND UTILITY LOCATIONS ARE BASED ON OBSERVED EVIDENCE OF STRUCTURES, UTILITY LOCATOR MARKINGS AND ASBUILT AND/OR UTILITY DESIGN DRAWINGS, ALL OF WHICH ARE DEEMED RELIABLE. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN-SERVICE OR ABANDONED. THE SURVEYOR DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM THE INFORMATION PROVIDED.
3. THE UNDERGROUND IRRIGATION SYSTEM SHOWN HEREON IS BASED UPON A COMBINATION OF FIELD SURVEY TIES TO IRRIGATION SPRINKLERS AND RETRACEMENT OF ASBUILT RECORDS.

- GENERAL NOTES**
1. THE LOCATIONS OF FEATURES SHOWN ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY FEATURES AND DIMENSIONS.
 2. BASE MAP OBTAINED AS ELECTRONIC FILES FROM PARAMETRIX, AUGUST 7, 2014.



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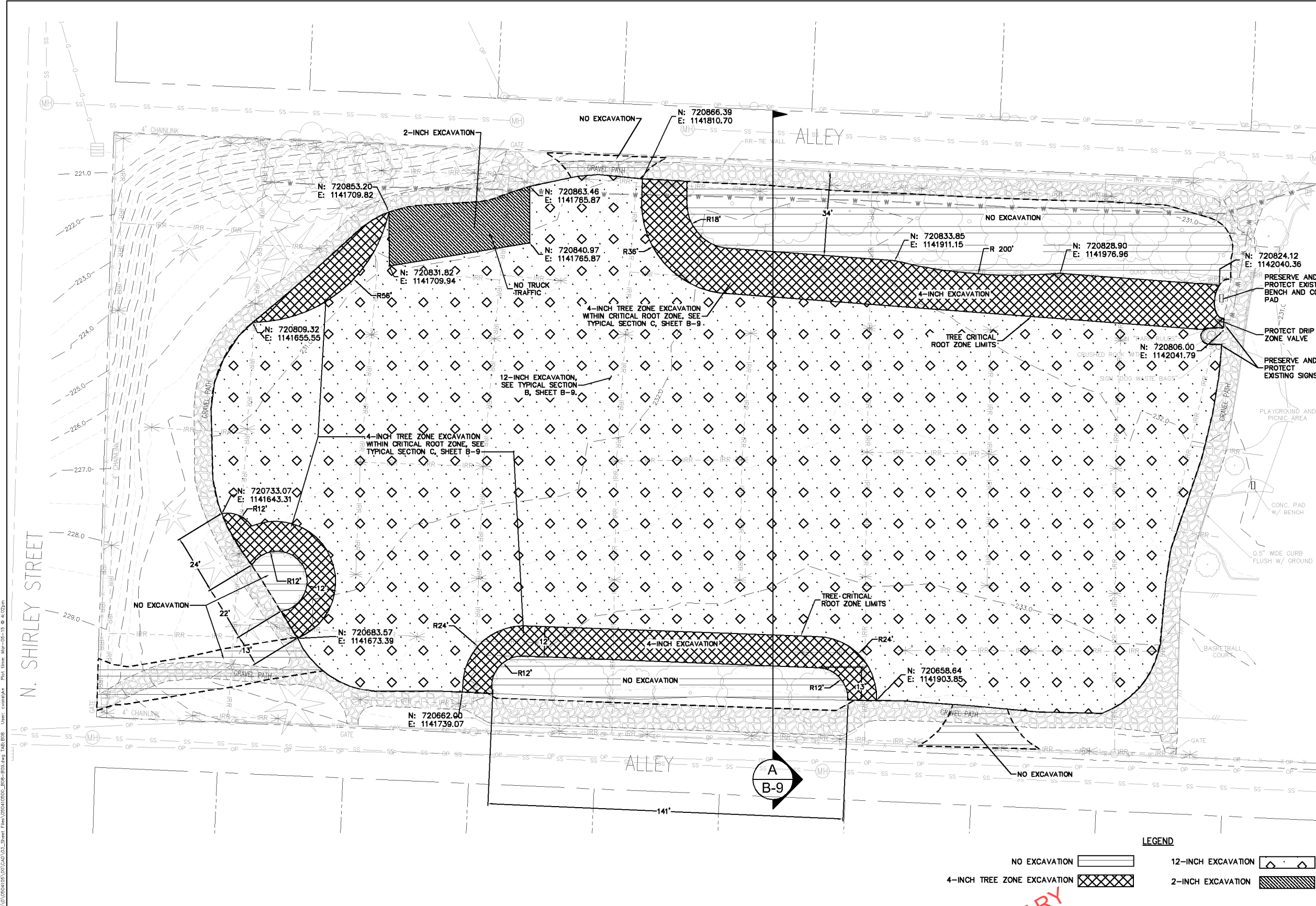


EXISTING CONDITIONS AND SURVEY

TACOMA SMELTER PLUME - SOIL SAFETY PROGRAM (SUMMER 2015)
SITE: BALTIMORE PARK

SHEET B-3

SHT 4 OF 28



REMEDIAL PLAN NOTES

THESE NOTES SUMMARIZE THE GENERAL SEQUENCE OF PROJECT ACTIVITIES. SEE SPECIFICATIONS, GENERAL NOTES, AND WORK ACCESS NOTES. PROJECT ACTIVITIES INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:

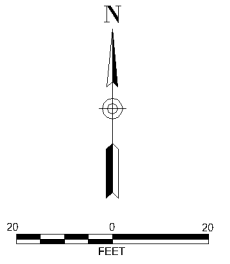
- SOILS TO BE EXCAVATED ARE CONTAMINATED WITH ARSENIC AND LEAD.
- ESTABLISH WORK LIMITS, FENCING, AND ACCESS LOCATIONS.
- COMPLETE PRE-CONSTRUCTION TOPOGRAPHIC SURVEY.
- PROVIDE, INSTALL, AND MAINTAIN TESC ELEMENTS AND BEST MANAGEMENT PRACTICES, INCLUDING MONITORING.
- PROVIDE PROTECTION MEASURES FOR PARK FEATURES, UTILITIES, AND IRRIGATION SYSTEM. SEE SHEET B-3. NO CONSTRUCTION TRAFFIC WITHIN TREE DRIP LINES. NO HAUL TRUCKS WITHIN TREE CRITICAL ROOT ZONES.
- REMEDIAL ACTIONS SHALL INCLUDE:
 - TREE AREAS WITHIN CRITICAL ROOT ZONE AND OUTSIDE OF TREE DRIP LINES: EXCAVATE TOP 4-INCHES OF SOIL BY TREE AREA EXCAVATION.
 - NON-TREE AREAS: REMOVE TOP 12-INCHES OF CONTAMINATED SOILS BY TRADITIONAL EXCAVATION.
 - FOLLOWING TRADITIONAL EXCAVATION, STAND BY PER SPECIFICATIONS WHILE ECOLOGY COMPLETES POST-EXCAVATION SAMPLING. COMPLETE ADDITIONAL EXCAVATION AS DIRECTED BY ENGINEER. THE INTENT IS TO ACHIEVE REDUCED SUBGRADE CONTAMINANT CONCENTRATIONS AND NOT TO CONTINUE TO EXCAVATE UNTIL COMPLIANCE WITH SPECIFIC CLEAN UP LEVELS IS OBTAINED AT ALL LOCATIONS. THE CONTRACTOR SHALL ASSUME THAT ALL EXISTING REMEDIATION AREA SUBGRADES REMAIN 'CONTAMINATED' FOLLOWING COMPLETION OF EXCAVATION.
 - COMPLETE POST-EXCAVATION TOPOGRAPHIC SURVEY. EXCAVATE ADDITIONAL SOIL AS REQUIRED TO ACHIEVE DESIGN REMOVAL DEPTH.
 - INSTALL GEOTEXTILE WHERE DIRECTED BY ENGINEER.
- AFTER ALL REMEDIATION IS COMPLETE AND ALL EXCAVATED CONTAMINATED SOILS ARE REMOVED FROM THE SITE, CLEAN PARK AREA INCLUDING SIDEWALKS, PAVEMENTS, PICNIC AREA, BASKETBALL COURT, AND PLAY GROUND AREA TARP OF ANY DUST OR SEDIMENT. CLEAN BY SWEEPING AND VACUUMING FOLLOWED BY PRESSURE WASHING. AFTER CLEANING AND REMOVING PLAY GROUND AREA TARP, CLEAN AND WASH PLAY GROUND EQUIPMENT. DURING CLEANING, PREVENT DIRT AND DUST FROM FALLING OR DRAINING INTO PLAY AREA WOOD CHIPS.

GENERAL NOTES

- THE LOCATIONS OF FEATURES SHOWN ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY FEATURES AND DIMENSIONS.
- BASE MAP OBTAINED AS ELECTRONIC FILES FROM PARAMETRIX, AUGUST 7, 2014.

LEGEND

- NO EXCAVATION [White Box]
- 4-INCH TREE ZONE EXCAVATION [Cross-hatched Box]
- 12-INCH EXCAVATION [Dotted Box]
- 2-INCH EXCAVATION [Diagonal-hatched Box]



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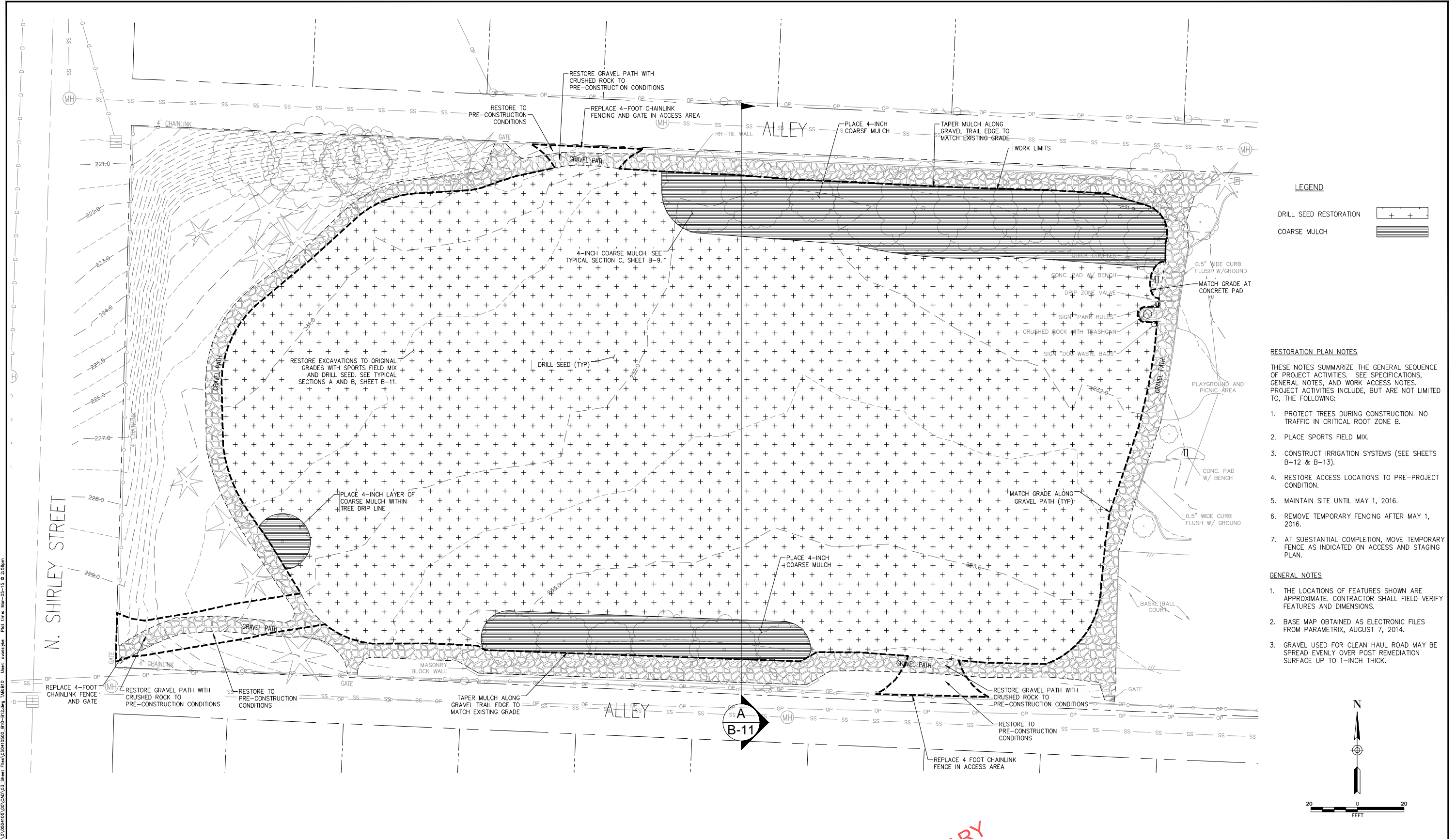
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REMEDIAL PLAN
TACOMA SMELTER PLUME - SOIL SAFETY PROGRAM (SUMMER 2015)
SITE: BALTIMORE PARK

SHEET B-8
SHT 9 OF 28



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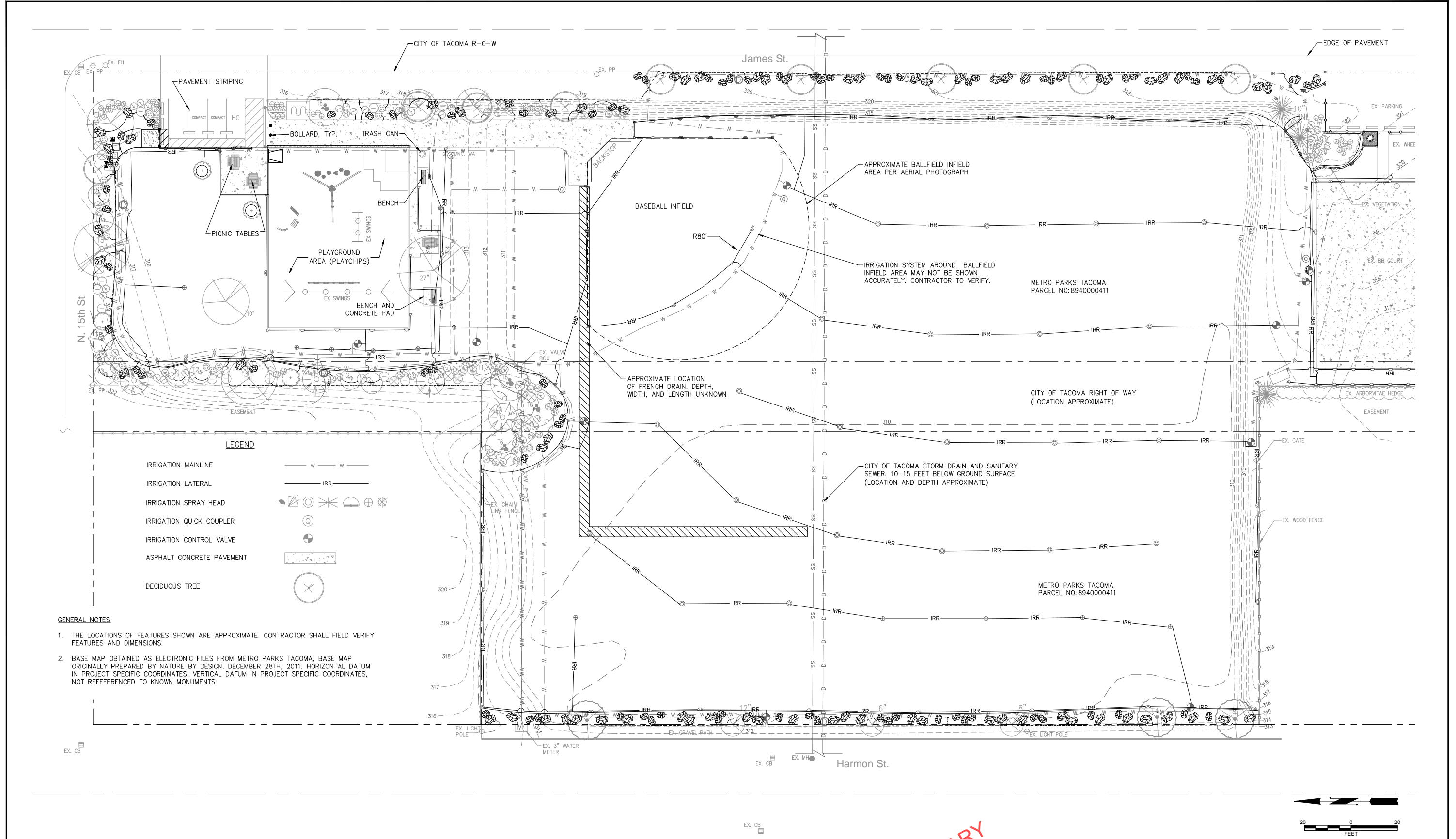
RESTORATION PLAN

TACOMA SMELTER PLUME - SOIL SAFETY PROGRAM (SUMMER 2015)
SITE: BALTIMORE PARK

SHEET
B-10

SHT 11 OF 28

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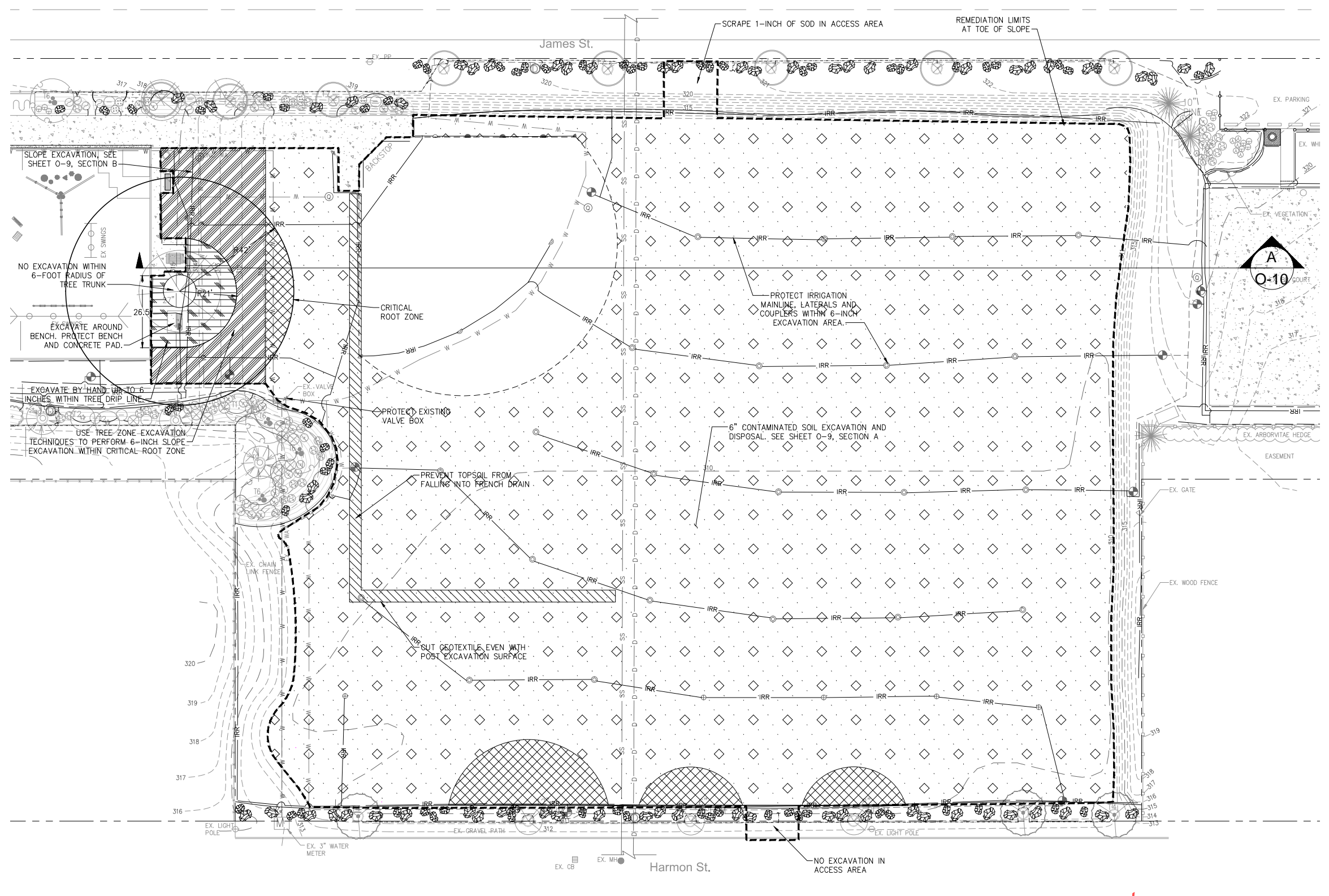
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 TACOMA, WA 98402
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EXISTING CONDITIONS AND SURVEY
TACOMA SMELTER PLUME - SOIL SAFETY PROGRAM (SUMMER 2015)
SITE: OPTIMIST PARK

SHEET
O-3
SHT 17 OF 28

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- REMEDIAL PLAN NOTES**
 THESE NOTES SUMMARIZE THE GENERAL SEQUENCE OF PROJECT ACTIVITIES. SEE SPECIFICATIONS, GENERAL NOTES, AND WORK ACCESS NOTES. PROJECT ACTIVITIES INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:
- SOILS TO BE EXCAVATED ARE CONTAMINATED WITH ARSENIC AND LEAD.
 - ESTABLISH WORK LIMITS, TEMPORARY CHAIN LINK FENCING, AND ACCESS LOCATIONS.
 - COMPLETE PRE-CONSTRUCTION TOPOGRAPHIC SURVEY AND IRRIGATION PRESSURE TEST.
 - PROVIDE, INSTALL, AND MAINTAIN TESC ELEMENTS AND BEST MANAGEMENT PRACTICES, INCLUDING MONITORING.
 - PROVIDE PROTECTION MEASURES FOR PARK FEATURES, UTILITIES, AND IRRIGATION SYSTEM. SEE SHEET O-4.
 - REMEDIAL ACTIONS SHALL INCLUDE:
 - A. TREE AREAS: NOTIFY METRO PARKS TACOMA URBAN FORESTER 3 DAYS PRIOR TO BEGINNING TREE AREA EXCAVATION. REMOVE CONTAMINATED SOILS AROUND TREES WITHIN DRIP LINE BY HAND, COMPLETE POST-EXCAVATION TOPOGRAPHIC SURVEY, AND RESTORE PRIOR TO BEGINNING REMAINING EXCAVATION WORK (SEE RESTORATION PLAN NOTE 1). ECOLOGY MAY COMPLETE POST-EXCAVATION SAMPLING IN TREE REMEDIATION AREAS, BUT NO 5 DAY STAND BY IS REQUIRED.
 - B. NON-TREE AREAS: REMOVE REMAINING CONTAMINATED SOILS BY TRADITIONAL EXCAVATION. STAND BY PER SPECIFICATIONS WHILE ECOLOGY COMPLETES POST-EXCAVATION SAMPLING. COMPLETE ADDITIONAL EXCAVATION AS DIRECTED BY ENGINEER. THE INTENT IS TO ACHIEVE REDUCED SUBGRADE CONTAMINANT CONCENTRATIONS AND NOT TO CONTINUE TO EXCAVATE UNTIL COMPLIANCE WITH SPECIFIC CLEAN UP LEVELS IS OBTAINED AT ALL LOCATIONS. THE CONTRACTOR SHALL ASSUME THAT ALL EXISTING REMEDIATION AREA SUBGRADES REMAIN "CONTAMINATED" FOLLOWING COMPLETION OF EXCAVATION. COMPLETE POST-EXCAVATION TOPOGRAPHIC SURVEY. EXCAVATE ADDITIONAL SOIL AS REQUIRED TO ACHIEVE DESIGN REMOVAL DEPTH. INSTALL GEOTEXTILE WHERE DIRECTED BY ENGINEER.
 - AFTER ALL REMEDIATION IS COMPLETE AND ALL EXCAVATED CONTAMINATED SOILS ARE REMOVED FROM THE SITE, CLEAN PARK AREA INCLUDING SIDEWALKS, PAVEMENTS, CATCH BASINS, DRAINS, AND PLAY GROUND AREA TARP OF ANY DUST OR SEDIMENT. CLEAN BY SWEEPING AND VACUUMING FOLLOWED BY PRESSURE WASHING. AFTER CLEANING AND REMOVING PLAY GROUND AREA TARP, CLEAN AND WASH PLAY GROUND EQUIPMENT. DURING CLEANING, PREVENT DIRT AND DUST FROM FALLING OR DRAINING INTO PLAY AREA WOOD CHIPS.

- GENERAL NOTES**
- THE LOCATIONS OF FEATURES SHOWN ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY FEATURES AND DIMENSIONS.
 - BASE MAP OBTAINED AS ELECTRONIC FILES FROM METRO PARKS TACOMA, BASE MAP ORIGINALLY PREPARED BY NATURE BY DESIGN, DECEMBER 28TH, 2011. HORIZONTAL DATUM IN PROJECT SPECIFIC COORDINATES. VERTICAL DATUM IN PROJECT SPECIFIC COORDINATES.
 - MAINTAIN TRUCK TRAFFIC OUTSIDE TREE PROTECTION ZONES. SEE SHEET O-4. MARK LIMITS OF TREE PROTECTION ZONE WITH HIGH VISIBILITY FENCE.

LEGEND

- 6-INCH SLOPE EXCAVATION, SEE SHEET O-9, SECTION B
- 6-INCH EXCAVATION, SEE SHEET O-9, SECTION A
- 6-INCH HAND EXCAVATION
- 6-INCH TREE ZONE EXCAVATION

Scale: 0 to 20 FEET

North Arrow

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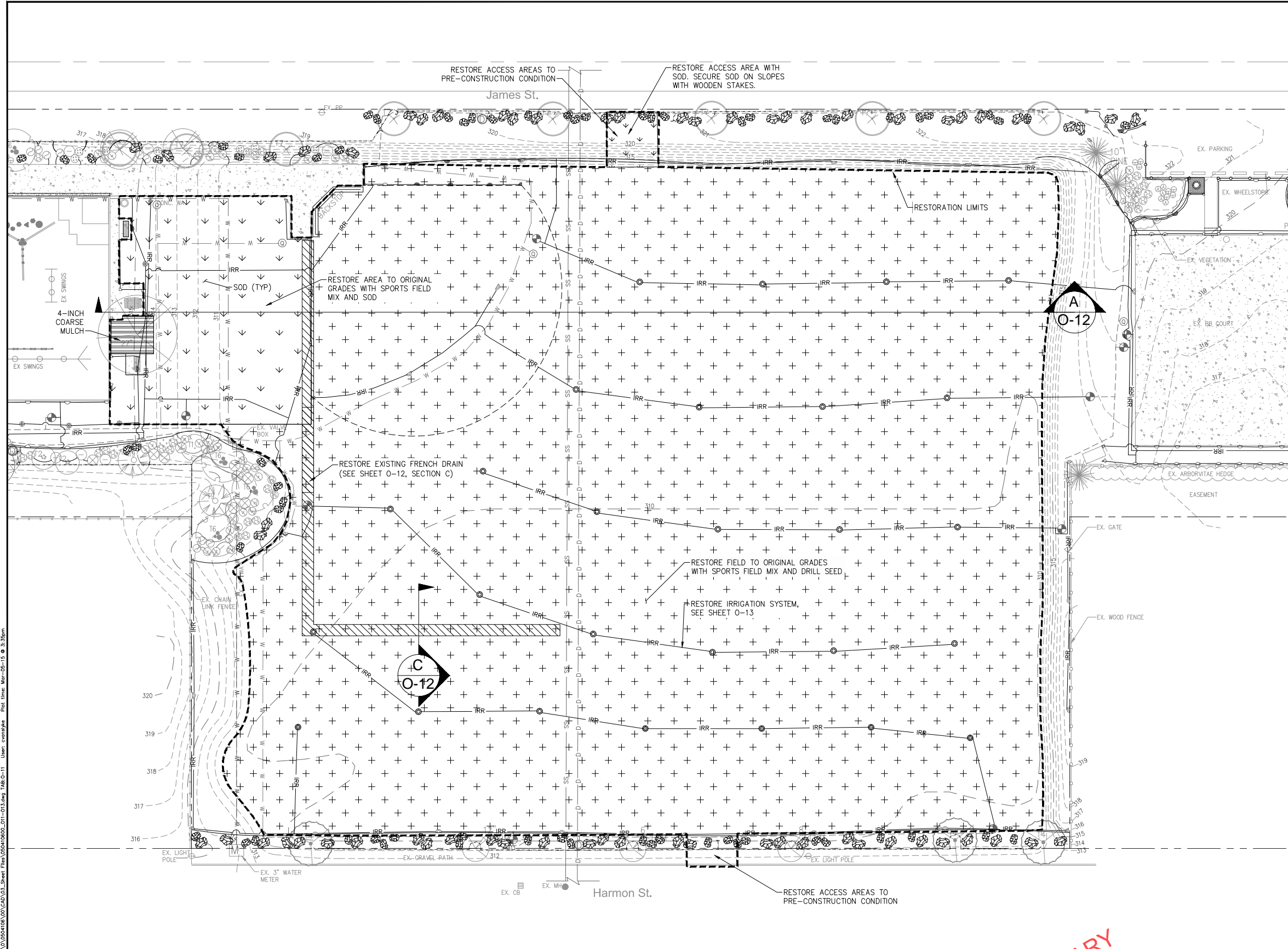
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REMEDIAL PLAN
TACOMA SMELTER PLUME - SOIL SAFETY PROGRAM (SUMMER 2015)
SITE: OPTIMIST PARK

SHEET O-8
 SHT 22 OF 28

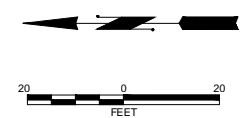
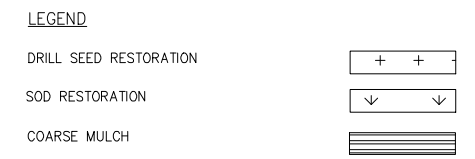


RESTORATION PLAN NOTES

THESE NOTES SUMMARIZE THE GENERAL SEQUENCE OF PROJECT ACTIVITIES. SEE SPECIFICATIONS, GENERAL NOTES, AND WORK ACCESS NOTES. PROJECT ACTIVITIES INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:

1. RESTORE TREE EXCAVATION AREA SAME DAY AS EXCAVATION.
2. BACKFILL WITH SPORTS FIELD MIX.
3. PRESSURE TEST AND RESTORE IRRIGATION SYSTEM, SEE SHEET O-13.
4. DRILL SEED AND SOD.
5. RESTORE ACCESS LOCATIONS TO PRE-PROJECT CONDITION.
6. MAINTAIN SITE UNTIL MAY 1, 2016.
7. REMOVE TEMPORARY FENCING AFTER MAY 1, 2016.
8. AT SUBSTANTIAL COMPLETION MOVE TEMPORARY FENCE AS INDICATED ON ACCESS AND STAGING PLAN.

- GENERAL NOTES**
1. THE LOCATIONS OF FEATURES SHOWN ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY FEATURES AND DIMENSIONS.
 2. BASE MAP OBTAINED AS ELECTRONIC FILES FROM METRO PARKS TACOMA, BASE MAP ORIGINALLY PREPARED BY NATURE BY DESIGN, DECEMBER 28TH, 2011. HORIZONTAL DATUM IN PROJECT SPECIFIC COORDINATES. VERTICAL DATUM IN PROJECT SPECIFIC COORDINATES.



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RESTORATION PLAN
TACOMA SMELTER PLUME - SOIL SAFETY PROGRAM (SUMMER 2015)
SITE: OPTIMIST PARK

SHEET O-11
 SHT 25 OF 28