



DEVELOPMENT SERVICES DEPARTMENT
ENVIRONMENTAL COORDINATOR
450 110th Ave NE., P.O. BOX 90012
BELLEVUE, WA 98009-9012

OPTIONAL DETERMINATION OF NON-SIGNIFICANCE (DNS) NOTICE MATERIALS

The attached materials are being sent to you pursuant to the requirements for the Optional DNS Process (WAC 197-11-355). A DNS on the attached proposal is likely. This may be the only opportunity to comment on environmental impacts of the proposal. Mitigation measures from standard codes will apply. Project review may require mitigation regardless of whether an EIS is prepared. A copy of the subsequent threshold determination for this proposal may be obtained upon request.

File No. 10-109363 XD
Project Name/Address: Programmatic Sediment Removal
Various Utility Sites City-Wide
Planner: Kevin LeClair
Phone Number: 425-452-2928

Minimum Comment Period: April 29, 2010

Materials included in this Notice:

- Blue Bulletin
- Checklist
- Vicinity Map
- Plans
- Other:

ENVIRONMENTAL CHECKLIST

4/18/02

If you need assistance in completing the checklist or have any questions regarding the environmental review process, please visit or call the Permit Center (425-452-6864) between 8 a.m. and 4 p.m., Monday through Friday (Wednesday, 10 to 4). Our TTY number is 425-452-4636.

BACKGROUND INFORMATION

Property Owner: CITY OF BELLEVUE

Proponent: BELLEVUE UTILITIES, STORM & SURFACE WATER SECTION.

Contact Person: DON McQUILLANS
(If different from the owner. All questions and correspondence will be directed to the individual listed.)

Address: 2901 115th AVE NE, BELLEVUE, WA. 98004

Phone: (425) 452-7865

Proposal Title: PROGRAMMATIC SEDIMENT REMOVAL

Proposal Location: CITYWIDE - SEE ATTACHED.
(Street address and nearest cross street or intersection) Provide a legal description if available.

Please attach an 8 1/2" x 11" vicinity map that accurately locates the proposal site.

Give an accurate, brief description of the proposal's scope and nature:

1. General description: REMOVAL OF SEDIMENT FROM VARIOUS IN STREAM & OFF HNE SEDIMENTATION FACILITIES.
2. Acreage of site: UNKNOWN
3. Number of dwelling units/buildings to be demolished: 0
4. Number of dwelling units/buildings to be constructed: 0
5. Square footage of buildings to be demolished: 0
6. Square footage of buildings to be constructed: 0
7. Quantity of earth movement (in cubic yards): VARIABLE FROM YEAR TO YEAR
8. Proposed land use: TO REMAIN AS EXISTING
9. Design features, including building height, number of stories and proposed exterior materials: N/A
10. Other: N/A.

Estimated date of completion of the proposal or timing of phasing:

PROPOSED FOR MULTI YEAR ONGOING WORK.

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

~~NO~~ POTENTIAL ADDITION OF FUTURE SITES.

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

NONE

Do you know whether applications are pending for governmental approvals of other proposals directly affecting the property covered by your proposal? If yes, explain. List dates applied for and file numbers, if known.

NONE @ THIS TIME. ALL HPA WILL BE SUBMITTED.

List any government approvals or permits that will be needed for your proposal, if known. If permits have been applied for, list application date and file numbers, if known.

HPA & CFC w/SEPA

Please provide one or more of the following exhibits, if applicable to your proposal. (Please check appropriate box(es) for exhibits submitted with your proposal):

- Land Use Reclassification (rezone) Map of existing and proposed zoning
- Preliminary Plat or Planned Unit Development
Preliminary plat map
- Clearing & Grading Permit
Plan of existing and proposed grading
Development plans
- Building Permit (or Design Review)
Site plan
Clearing & grading plan
- Shoreline Management Permit
Site plan

A. ENVIRONMENTAL ELEMENTS

1. Earth

a. General description of the site: Flat Rolling Hilly Steep slopes Mountains Other

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

VARIABLE BUT UP TO 40+ %.

c. What general types of soil are found on the site (for example, clay, sand, gravel, peat, and muck)? If you know the classification of agricultural soils, specify them and note any prime farmland.

VARIES BASED ON LOCATION.

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

None known @ this time.

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

No filling will be done as part of this project

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

Yes, BMP's will be implemented as necessary.

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

None

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

BMP's will be site specific. Regular Road Maint. Guidelines will be followed.

2. AIR

- a. What types of emissions to the air would result from the proposal (i.e. dust, automobile odors, and industrial wood smoke) during construction and when the project is completed? If any, generally describe and give approximate quantities if known.

None

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

No

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

None

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.

YES. THIS PROPOSAL HAS SITES ON MOST ALL STREAMS WITHIN BELLEVUE.

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

YES, IN STREAM SEDIMENT REMOVAL.

- (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.

VARIES BASED ON EACH SITE. SEE ATTACHED WORK LOCATIONS & YARDAGES.

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

TEMPORARY DIVERSIONS WILL BE IMPLEMENTED WHILE WORK IS PERFORMED.

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

VARIES BASED ON LOCATION

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

NO

b. Ground

- (1) Will ground water be withdrawn, or will water be discharged to ground water? Give general description.

NO

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

NOTE

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.

NO NEW RUNOFF

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

POTENTIAL FOR SEDIMENT TO GET STIRRED UP.
BMP'S WILL BE PUT IN PLACE TO MINIMIZE IMPACTS.

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

BMP'S WILL BE EVALUATED & IMPLEMENTED ON
A SITE BY SITE BASIS.

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, bulrush, 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?

MINIMAL VEGETATIONAL REMOVAL BASED ON SITE
CONDITIONS.

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

UNKNOWN

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

REVEGETATION w/ NATIVE PLANTS & TREES AS NEEDED.

5. ANIMALS

a. Check or circle 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, heron, eagle, songbirds, other:
- Mammals: deer, bear, elk, beaver, other:
- Fish: bass, salmon, trout, herring, shellfish, other:

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

unknown

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

See Kenney Cr. & Coar Cr. For salmon spawning

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

Work will be done within the fish window as approved by HPA conditions.

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 need? Describe whether it will be used for heating, manufacturing, etc.

None

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 the proposal? List other proposed measures to reduce or control energy impacts, if any:

None

7. Environmental Health

a. Are there any environmental health hazards, including exposure to toxic chemicals, risk of fire and explosion, spill, or hazardous waste, that could occur as a result of this proposal? If so, describe.

No

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

None

(2) Proposed measures to reduce or control environmental health hazards, if any.

None

b. Noise

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

None

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

None

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

None

8. Land and Shoreline Use

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

MOST ARE PROTECTED LANDS (STREAMS, DRAINAGES, ETC...)

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

UNKNOWN

- c. Describe any structures on the site.

None

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

NO

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

PROTECTED IN MOST CASES

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

TO REMAIN AS PROTECTED

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

N/A

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

MOST ALL SITES FALL INTO THIS CATEGORY

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

0

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

0

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

None

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

None

9. Housing

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

N/A None

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

None

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

None

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?

N/A

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

None

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

None

11. Light and Glare

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

None

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

No

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

NONE

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

NONE

12. Recreation

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

AN OCCASIONAL PARKS TRAIN CROSSING NEAR TO SITES.

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:

NONE

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.

NO

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

N/A

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

NONE

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.

VARIOUS

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

UNKNOWN

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

Ø

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.

None

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

None

15. Public Services

a. Would the project result in an increased need for the 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.

None

16. Utilities

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

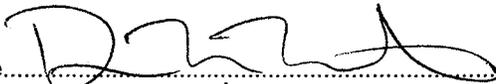
Storm & Surface Water

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 to be added

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.....

Date Submitted.....3/9/10

Work Description

Background

The Storm and Surface Water section of the Bellevue Utilities Department maintains many in stream sedimentation collection facilities throughout the City. These facilities range from culvert ends, pipe inlets and flow control stations to large regional ponds. Dependent on the particular design, these facilities help to control storm and surface water conveyance, trap sediment, enhance water quality and provide storage as waters move through the system.

Past practices of the Storm and Surface Water section was to initiate several permits each year that would allow for the removal of sediment from these facilities. In 2008, a programmatic permit was developed that combined many of these facilities into one permit and limited the amount of sediment that could be removed in any given year. This approach worked well but it was found in 2009 that quantities needed to be updated to achieve the desired effect/purpose of several facilities which was difficult to do on short notice.

This proposal will identify those sites that are maintained on a regular basis and establish maximum quantities of materials that need to be removed in order for the facility to function as designed. In addition, this permit should provide provisions for easily updating and/or adding new locations dependent on the design type and function.

General Work Methods

Sediments removal is typically conducted using Vactor trucks and/or backhoe/excavator and hand work. The anticipated excavation method used at each site and quantities to be removed is noted in Attachment A. Methods may vary depending on site conditions and access at the time of work. The following conditions will apply to each site:

- Excavated material will be limited to streambed sediment and detention pond accumulations that adversely affect stormwater management. Excavation quantities listed in attachment A indicate the maximum cubic yards to be removed under this permit. Removal of any additional material will require prior authorization through Development Services as outlined in the 'Unanticipated Workload' section of this proposal below.
- No trees greater than 4 inches in diameter will be removed as part of this project without prior approval/notification through the programmatic permit for clearing and grading in critical areas (permit #09-127448 XB). Vegetation removal of grasses and shrubs may also be necessary either for access purposes or because the vegetation is within the work area. Vegetation removal will be kept to a minimum and all native vegetation outside of work/access areas will be restored as soon as reasonably possible upon completion as outlined in Bellevue Land Use Code 20.25H.220H..
- Fish exclusion and stream bypass procedures will be put into place prior to any sediment removal operations.
- Erosion control will be placed as needed around the work site and equipment. Installation and monitoring of erosion control will be conducted by a CESCL (Certified Erosion and Sediment Control Lead) throughout the duration of the project. A listing of approved BMP methods can be found within the 'Regional Road Maintenance Endangered Species Act Program Guidelines' document developed as a Tri-County effort that addresses common BMP methods. The guidelines are available by request or in their entirety online at:
<http://www.kingcounty.gov/transportation/kcdot/Roads/environment/RegionalRoadMaintenanceESAGuidelines/ESAProgramGuidelines.aspx>

- Daily turbidity monitoring will be conducted upstream and downstream of each site prior to work beginning and at least once per day while work is ongoing.

Sediment Removal Methods

One or more of the following methods will be implemented to remove sediment from each work site outlined in Attachment A. Method(s) to be used at each site are indicated in Attachment A under the column heading of 'Sediment Removal Method(s)'.

- Vactor (Eductor) – Indicates removal of sediment to be conducted with the use of a Vactor (Eductor) truck capable of vacuuming sediment directly from the site into a storage tank on the truck. Water accumulated through this process will be typically decanted onsite with filtration BMP's utilized before the water is allowed to re-enter the stream. Sediment accumulated will be disposed of as outlined in the Sediment Management Plan section of this document.
- Excavator – Indicates removal of sediment from the site through the use of an excavator or backhoe. Sediment will be deposited directly into awaiting dump trucks or temporarily stockpiled to allow water within the sediment to drain off. All stockpiled materials will have approved BMP measures in place to prevent sediment laden waters from re- entering the site. Excavator operators will evaluate the site for access, enter and exit the site in a manner to prevent unnecessary damages to vegetation and stream banks and grade any ruts or other potential erosion concerns upon completion of the work.
- Hand Work – In certain circumstances, hand work will be necessary to accomplish the job. This typically entails brushing of grasses, blackberries or other shrubs to clear the work zone prior to excavation or vactor activities. Hand work of this type will be restricted to the work area itself and all efforts will be taken to minimize unnecessary damages to surrounding vegetation. BMP's as needed will be utilized if the work bears erosion concerns to adjacent waters.

Construction Sequence

The following sequence of events summarizes the proposed activities required to accomplish these projects.

1. Delineate the extent of the project site.
2. Field locate Utilities.
3. Install WDFW approved fish exclusion block nets at upper and lower extremes of each stream reach,
4. Install erosion control measures as needed around work site.
5. Conduct fish exclusion by electro-fishing, and by dragging a seine through the stream reach to remove trapped fish.
6. Construct a temporary plastic lined sandbag dike across the reach approximately upstream of the work area.
7. Set-up pumps and layout discharge piping for stream by-pass system as necessary. Discharge areas will ensure filtration through natural vegetation and/or the use of an approved bypass channel. Additional erosion control will be installed as needed.
8. Route the stream through the bypass system.
9. Allow the by-passed reach to naturally dewater.
10. Stage small backhoe/excavator and Vactor trucks as needed on existing paved or graveled surfaces (as available) adjacent to each work area.
11. Remove the permitted volume of accumulated sediments.
12. Turbidity monitoring will be conducted during sediment removal operations. This will be done according to City of Bellevue Turbidity Monitoring Requirements (copy attached).
13. Remove the temporary sandbag dike and all materials used to construct the by-pass to allow the stream to return to its channel.

14. Observe stream flow through the area of sediment removal to confirm free unhindered flow through the area impacted by construction.
15. After continuous free flow is achieved through the construction area, the downstream and upstream block nets may be removed.
16. Photo document before and after conditions for activity record keeping.

Sediment Management Plan

Projects performed under this permit will generate stream sediments and a small quantity of vegetation that require management and off-site disposal. The following methods and actions will be employed to assure that materials are properly managed.

1. All removed sediment will be either loaded directly into awaiting dump trucks, vector storage tanks or temporarily stockpiled for dewatering purposes. Stockpiled sediment will have appropriate BMP's in place to filter runoff from the dewatering process before it is allowed to re-enter the surface water system.
2. Sediments will be removed from the dewatered streambed using a small backhoe/excavator or Vector trucks. The specific method to be used at each site is listed in Attachment A.
3. Vehicles will be staged on paved or graveled surfaces as available. Backhoes and Vector truck hoses and tubes are capable of reaching the excavation area at each site from the paved or graveled surface.
4. Removed sediments will be loaded directly into awaiting dump trucks or Vector truck holding tanks.
5. Run-off from the vehicle staging and loading areas will be treated with appropriate BMP's before it is discharged back into the surface water system. Adjacent storm drains will be protected with geofabric to prevent silt from entering.
6. Removed sediments will be transported off site for disposal at an approved recycling/disposal facility or utilized for onsite improvements with prior approval from DSD staff.

Fish Exclusion Plan

Sediment removal activities at the In-Stream Detention facilities and other locations where fish have been identified, requires diverting the stream, dewatering the construction area and the implementation of measures to exclude and remove fish from the reach. BMPs to minimize or reduce impacts to aquatic resources will be implemented. Fish exclusion work prior to dewatering will be performed in accordance with the WDFW Hydraulic Project Approval issued to the City of Bellevue Utilities Department. A copy of the permit will be kept in the possession of the field personnel during fish exclusion and collection activities.

1. Bellevue Utilities trained staff will perform fish exclusion.
2. Field notes will be maintained that describe the activities performed and may also include information such as date, personnel, time, general site conditions, weather, length of stream reach, methods used, and any other general comments.
3. Any injuries or mortalities during fish exclusion will be documented and reported if it involves an ESA-listed species. Contact with an ESA-listed species during fish exclusion activities will be documented and reported to the Services.
4. Block nets will be installed a minimum of 30 ft upstream and downstream of the work area that isolate and exclude fish from entering the entire affected stream reach.
5. Block net mesh size will be the same as the seine nets (9.5 millimeters stretched). Block nets will be installed and secured across the channel and up both banks sufficiently to withstand unforeseen rain events or debris accumulation.
6. Block nets within the stream channel will be supported at 3 ft intervals using stakes or metal fence posts.

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7. Block nets will be monitored by the project manager throughout the duration of the project. Block nets will be visually inspected before work starts each day, at mid-day and prior to daily shutdown.
8. Block nets will be left in place throughout the maintenance activity and maintained to ensure proper function.
9. After the stream reach has been isolated, electro shocking and seine nets will be used to remove fish from the work area.

Stream By-Pass

10. A temporary plastic lined sandbag dike will be constructed across the reach approximately 20 feet upstream of the work area and downstream of the fish block net.
11. A pump inlet will be located below the upstream block net and equipped with a 1/8-in mesh screen to prevent fish intake.
12. The stream reach will be visually inspected for the presence of fish prior to dewatering the reach.
13. The affected reach shall be dewatered slowly while observing for aquatic vertebrates. Any observed fish will be captured using hand-held dip nets and transferred immediately to the creek below the downstream block net.
14. Block nets will only be removed following completion of all sediment removal and re-establishment of permanent flow through the area where sediments were removed.
15. Block nets will be removed with care and checked for aquatic vertebrates.

Turbidity Monitoring Plan

Water quality samples will be taken prior to and during the project. Sampling will be performed by trained and experienced City staff. Samples will be taken and predetermined location above the area of work and downstream in accordance with the City of Bellevue Turbidity Monitoring and Requirements. (Attached)

Unanticipated Workload Procedures

On occasion, work sites not identified on Attachment 'A' will require minor sediment removal to ensure the Storm and Surface Water system functions as designed. Since activities under this permit are generally limited to seasonal restrictions within the fish window (June 15th – August 31st), time can play a critical factor in ensuring that the work is done as allowed under all associated permits.

Should these circumstances arise, the Storm and Surface Water section will work directly with Development Services Planners and Inspectors to provide all necessary information to perform the minimum necessary work required. These procedures, at a minimum, will contain:

- An email at least 72 hours ahead of scheduled work to the Development Services representative and the Clear and Grade inspector informing them of the location, type of facility and quantity of material to be removed and reason for unanticipated work. This will not be the approval for work to be conducted. Notification must be provided in written form, letter or email, indicating the work is approved.
- Notification and approval from WDFW in written form, letter or email, indicating that the work has been review and approved under the existing HPA.

Updates to Attachment 'A'

Attachment 'A' is a list of known in stream sediment removal sites that are subject to the City's Clear and Grading requirements within a critical area. These sites are also subject to conditions as they apply under the Washington State Fish and Wildlife Hydraulic Approval Permit.

Storm & Surface Water Programmatic
Sediment Removal Permit 2010

At the beginning of each calendar year, an opportunity to update Attachment 'A' will be available by submitting a revised version of the list with the City Planning Department representative and with WDFW. This revision does not indicate approval until all parties have responded via an email or letter that the revisions to the work have been approved.

Construction Storm Water Pollution Prevention Plan (CSWPPP)

1. Project Information

- Project Name: 2010 Programmatic Storm & Surface Water Sediment Removal.
- Address: Citywide sites; see attached Sediment Removal Table and Sediment Removal Location map.
- Property Owner: All sites are located on City of Bellevue ROW or properties. The Storm & Surface Water Section of Utilities is the lead on this project. Please contact Don McQuilliams @ (425) 452-7865 for questions.
- CSWPPP Preparer: Don McQuilliams, CESCL #UW-238403
- Project CESCLs: Storm & Surface Water Lead Workers Frank Oriel & Chad Brown.

2. Project Description

- Annual removal of sediment from in-stream sedimentation ponds at various locations around the City to provide storm water storage for flood protection and water quality. Most of these ponds only need maintenance every several years while a few require annual maintenance. Total size of the project varies annually dependent on site characteristics but typically annual project scope is approximately 20,000 square feet of in-stream disturbance with 2500-3000 cubic yards of sediment removed annually.

3. Existing Site Conditions

- All of these sites are located within or adjacent to stream and drainage courses. These range from year round high volume streams such as Kelsey and Coal Creek to seasonal drainages. Topography varies per site but generally is within stream course channels and critical areas. Vegetation again varies with each site but is typical of northwest native shrubs and trees.

4. Site Soils

- A Citywide Soils Map (Attachment B) has been attached with the sites overlaid to illustrate various soil types at each site. Sediment removal activities are conducted either from a gravel/asphalt staging area adjacent to the pond(s) or by working directly within the drainage channel and loading into awaiting trucks in an adjacent staging area.

5. Adjacent Areas

- No buildings are located adjacent to these sites; access roadways, drainage infrastructure and other utilities are present on many of the sites and will be located prior to any work conducted.

6. Critical Areas

- All of the sites under this program are within or adjacent to critical areas. The Storm & Surface Water Utility is accustomed to working within and adjacent to critical areas and will implement BMP's as needed to ensure unnecessary damages are not caused as a result of the sediment removal operations.

7. Erosion Problem Areas

- Many of the sites pose challenging erosion concerns if proper BMP's are not setup to address ahead of time. Each site will be dewatered before the work is to be done and

appropriate BMP's will be put in place ahead of and during work operations to minimize erosion impacts.

8. Construction Stormwater Pollution Prevention Elements

- Mark Clearing Limits – only the minimal clearing necessary will be conducted for work on each site. Most of these sites are well defined and have evident clearing limits.
- Establish Construction Access – Access roads & staging areas have been designed into many of these ponds and will be used solely for ingress/egress if a designed access is present. Sites requiring access improvements will be evaluated on a case by case basis.
- Control Flow Rates – Waters from each site will be temporarily by-passed or diverted away from the work site and into areas suitable for diversion. Many sites have built in by-pass facilities to allow for easy de-watering during maintenance frequencies.
- Install Sediment Controls – BMP's will be placed as determined by the onsite CESCL and project Lead. Please refer to the Sediment Management Plan within the Work Description for further details.
- Stabilize Soils – This will be addressed as needed and determined by the onsite CESCL and project Lead. Most sites do not require soil stabilization under normal working conditions.
- Protect Slopes - This will be addressed as needed and determined by the onsite CESCL and project Lead. Most sites do not require slope protection under normal working conditions.
- Protect Drain Inlets – Addressed as needed, BMP's will be setup to minimize sediment from entering the Storm & Surface Water System.
- Stabilize Channels and Outlets - This will be addressed as needed and determined by the onsite CESCL and project Lead. Most sites do not require Channel Stabilization under normal working conditions.
- Control Pollutants – During work activities, BMP's will be in place should a pollutant spill occur from machinery within the worksite. Additionally, the Storm & Surface Water Utility can respond to spills on short notice with additional staff and spill response supplies as needed.
- Control De-Watering – All work sites under this project will be de-watered with pumps or built in by-pass facilities prior to sediment removal operations. Fish exclusion will be conducted as needed on sites where fish are present or possibly present. De-watering equipment will remain in place throughout the duration of work at each site.
- Maintain BMP's – BMP's will be inspected and adjusted as necessary by a CESCL present on the job site at least once per day or more frequently as needed.
- Manage the Project – The Project Lead will be responsible for day to day operations of the site. The Storm and Surface Water Crew Leader and Superintendent will conduct periodic inspections to ensure project goals are being met.

9. Construction Phasing

- The Construction Sequence section of the attached Work Description outlines the typical phasing for a sediment removal project. Each job will vary slightly and additions or subtractions may be implemented as determined by the Project Lead.

10. Construction Schedule

- Scheduling of this work is determined by the available timing within the Fish window from June 16th to September 30th. A few locations are not subject to the Fish window but are still under rainy season restrictions and will be done during dry months in and surrounding the summer.

11. Financial/Ownership Responsibilities

Storm & Surface Water Programmatic
Sediment Removal Permit 2010

- All activities and associated responsibilities as part of these projects are conducted by the City of Bellevue Storm and Surface Water Utility.

12. Engineering Calculations

- Original Engineering designs are available for several of the sites listed and are available upon request. Each site will be returned as close to the original intent of the Engineer as possible during sediment removal. Major site modifications will be discussed with the Engineering section of Utilities prior to work being done.

13. Plans and Drawings

- A Vicinity Map is attached showing the location of each project site along with a spreadsheet indicating further details about each site. Detailed site maps for each location are not available at this time. These can be developed over time, if desired, prior to annual work activities.

Attachment 'A' Streams, Detention Pond & Flow Station Maintenance List

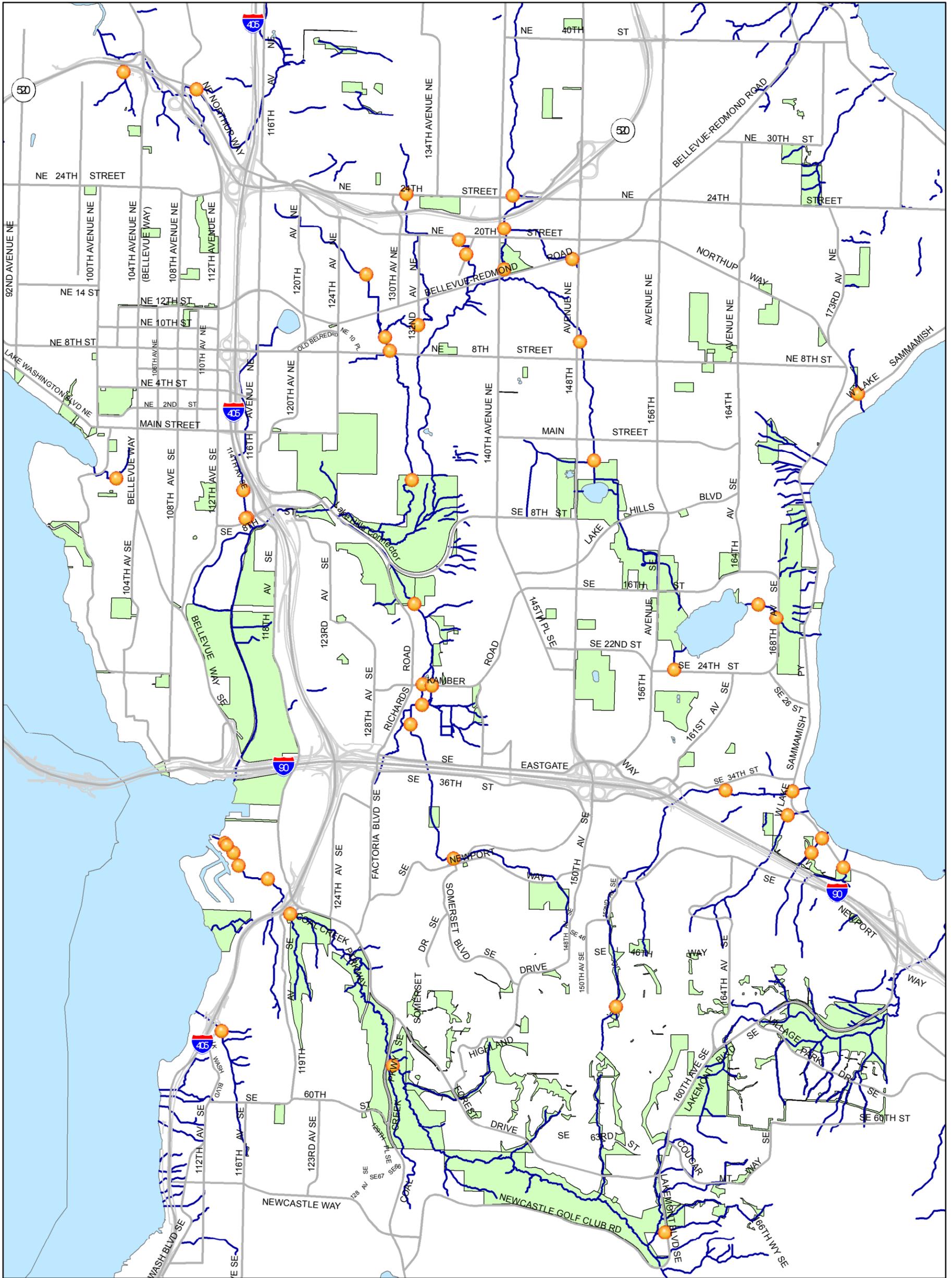
Updated: February 2010

Site No.	HPA Location No.	Stream and Description	Location	¼	Sec	TwN	Rng	Sediment Removal Method	Maximum Yds ³
Coal Creek									
1	2	Coal Creek - upper sedimentation facility	Coal Creek Parkway and Coal Creek	NE	21	24N	05E	Excavator	1600
2	1	Coal Creek - regional detention pond	119 th Ave Se at Coal Creek. East of I-405.	SW	16	24N	05E	Excavator	400
3	3	Coal Creek Culverts - Newport Shores	Skagit Key (2 locations), Glacier Key, Newport Key	NE	17	24N	05E	Vactor	5
4	4	Coal Creek - flow station	Coal Cr. Upstream of the lower Skagit Key crossing.	NE	17	24N	05E	Vactor	25
5		Coal Creek Tributary on Lakemont Blvd.	Directly North of 7219 Lakemont Blvd. Se	NE	26	24N	05E	Excavator	50
6	N/A	Cinder mine Swales – Not In-Stream, noted for Clearing Grading Programmatic Permit.	15000 blk. of Newcastle –Coal Creek Rd Se	NE	26	24N	05E	Excavator	100
7	N/A	Detention Facility – Gunnite Pond. – Not In-Stream, noted for Clearing Grading Programmatic Permit.	6218 142 nd Ave Se	SE	22	24N	05E	Excavator	100
8		Coal Creek - Offline sedimentation pond	4641 125th Ave SE	SE	16	24	05E	Excavator	1600
	N/A	SE 63rd St Detention Pond - Not In-Stream, noted for Clearing Grading Programmatic Permit.	15251 SE 63rd St	SW	23	24	05E	Excavator	1200
Lakehurst Creek									
10	5	Lakehurst Creek - sedimentation facility	Lake WA Blvd east of I-405 at 112 th Ave SE.	NE	20	24N	05E	Excavator	500
Wilkens Creek									
15	6	Wilkens Creek – culvert	W Lake Samm Pkwy and about NE 8 th St	E	36	25N	05E	Excavator	50
Yarrow Creek									
20		Yarrow Creek – concrete box inlet	Behind 3265 103 rd Ave Ne	NW	20	25N	05W	Vactor	20
21	7	Yarrow Creek – culvert	10833 Northup Way	NW	20	25N	05E	Vactor	25
Meydenbauer Creek									
25	10	Meydenbauer Creek - culvert	410 102 nd Ave SE	SE	31	25N	05E	Excavator	25
Kelsey Creek									
30	8	Kelsey Creek - regional detention pond	920 148 th Ave Ne	SW	26	25N	05E	Vactor	25
31	9	Larson Lake - regional detention pond	149 th Ave SE Main. St.	SW	35	25N	05E	Vactor	25
32		Kelsey Creek Tributary at Lk. Hills Farm	NW corner of SE 16th St & 156th Ave SE	NW	2	24	05E	Vactor/Excavator	150
	N/A	148th Ave NE & NE 8th St Detention ponds - Not In-Stream, noted for Clearing Grading Programmatic Permit.	NW corner of 148th Ave NE & NE 8th St intersection	SE	27	25	05E	Excavator	500
Unnamed Tributary to Kelsey Creek									
35	11	Unnamed Tributary to Kelsey Creek - short section of open stream/easement.	13433 Ne 20 th St	SW	27	25N	05E	Excavator	60
36	12	Unnamed Tributary to Kelsey Creek - culvert at Earth Building	1805 136 th PI NE	SW	27	25N	05E	Excavator	25
Kelsey Creek West Tributary									
40	13	Lower West Trib. – regional detention pond	12820 NE 8 th St	SE	21	25N	05E	Vactor	25

41	14	West Trib. - regional detention pond	1770 124 th Ave NE	SW	28	25N	05E	Excavator	25
42		West Trib. - At Kelsey Cr. Park	410 130 th Pl Se	SE	33	25N	05E	Vactor	50
43		West Trib. 120th culvert	2150 120th Ave NE	NW	28	25	05E	Vactor/Hand	25
Richards Creek									
45	15	Richards Creek - culvert	133 rd Ave SE & Kamber Rd	NE	9	24N	04E	Excavator	15
46	16	Richards Creek - flow diversion	13309 SE 26 th ST	NW	10	24N	05E	Vactor	15
47	17	Richards Creek - flow station	1640 Richards Rd.	NW	10	24N	05E	Vactor	25
Unnamed Tributary to Richards Creek (East Creek)									
50	18	Unnamed Tributary to Richards Creek - culvert	13301 Kamber Rd	NE	9	24N	05E	Vactor	60
Sturtevant Creek									
55	19	Section of creek between I-405 and Mercer slough	SE 8 th St	SE	32	25N	05E	Vactor	25
56	20	Section of creek between I-405 and Mercer Slough	SE 6 th St	SE	32	25N	05E	Vactor	15
57	21	Sturtevant Cr - flow station	SE 6 th St	SE	32	25N	05E	Vactor	15
Sunset Creek									
60	22	Sunset Creek - culverts	133 rd Ave SE & SE 30 th St	NE	9	24N	05E	Vactor	50
61	23	Sunset Creek - high-flow bypass	13801 SE Allen Rd	NW	15	24N	05E	Vactor	15
Goff Creek									
65	24	Goff Creek – regional detention pond	12700 NE 10 th St	SE	28	25N	05E	Excavator	15
66	25	Goff Creek – culverts	132 nd Ave NE north of NE 10 th St	SE	28	25N	05E	Excavator	15
67	26	Goff Creek - trash rack at inlet to high flow by-pass	at NE 24 th St east of 130 th Ave NE	NE	28	25N	05E	Vactor	15
Valley Creek									
70	27	Valley Creek - regional detention pond	14040 NE 24 th St	NE	27	25N	05E	Excavator	50
71	28	Valley Creek - trash rack at inlet to high flow by-pass	Culverts at NE 21 st Pl east of 140 th Ave NE	NE	27	25N	05E	Excavator	25
72	29	Valley Creek - flow station	Approx 100ft North of Bel-Red Rd	NE	27	25N	05E	Vactor	15
Sears Creek									
75	30	Commissioners Waterway - regional detention pond	Bell Red RD & 148 th Ave NE	NW	26	25N	05E	Vactor	25
76	31	Overlake Regional Detention Pond							
Vasa Creek									
80	32	Vasa Creek - box culvert	SE 35 th ST & W Lk Samm Pkwy SE	SW	12	24N	05E	Vactor	15
Unnamed Tributary to Vasa Creek									
85	33	Unnamed Tributary To Vasa Creek -culvert	15217 SE 48 th Drive	NW	23	24N	05E	Vactor	15
86	34	Vasa Creek Tributary - culverts	167 th Ave SE & SE 35 th ST	SW	12	24N	05E	Excavator	15
87	35	Unnamed Stream - stream 0160 - pond and inlet	16903 SE 38TH PL	SW	12	24N	05E	Excavator	70
Unnamed Stream									
90	36	Unnamed Stream – culvert	3947 W Lk Samm Pkwy SE	NE	13	24N	05E	Excavator	30
91	37	Unnamed Stream – culvert	17152 SE 40 th PL	NW	13	24N	05E	Vactor	15
92	38	Unnamed Stream - stream 0161- culvert	4094 W Lk Samm Pkwy SE	NW	13	24N	05E	Vactor	30
Phantom Lake Basin									
95	39	Phantom Lake - lake elevation station	Phantom Lake at approx. SE 16 th ST	SE	2	24	05E	Vactor	25

96	40	Phantom Creek – Lake outfall – flow station	Phantom Creek at SE 17 th PL		SE	2	24	05E	Vactor	15
97	41	Phantom Creek – Inlet channel to lake – flow station	Phantom Creek at SE 24 th St		SE	2	24	05E	Vactor	50
98	N/A	Water Quality Pond A - Not In-Stream, noted for Clearing Grading Programmatic Permit.	2645 158th Ave SE		NE	11	24	05E	Excavator	250

City of Bellevue In-Stream Sediment Removal Locations



Legend

- In Stream Sediment Removal Sites
- Streams
- Parks

