INTRODUCTION

The Vancouver Park Board is looking for a dynamic and creative multi-disciplinary consultant team with specialization in park planning, urban water resources management, biodiversity enhancement and natural habitat restoration to lead the public engagement process and collaborate with various City departments to develop a long-range master plan for John Hendry (Trout Lake) Park. The project includes three inter-related components:

1. Leading and facilitating a multi-faceted public process; engaging with stakeholders, community groups and citizens about the future of John Hendry (Trout Lake) Park.

2. Developing an overall master plan that addresses recreation use, stormwater management, natural habitat restoration, and emerging use of the park.

3. Assessing opportunities and options for incorporating stormwater features into the park to improve water quality and enhance biodiversity (refer to Appendix 1).

The successful consultant team will have demonstrated strong facilitation, public engagement, graphic presentation and communication skills, as well as a high level of technical expertise and experience in the following areas:

- landscape architecture and park master plan preparation;
- urban stormwater management including water quality; and
- natural habitat restoration and biodiversity enhancement.

OBJECTIVE

The project goal is to ensure John Hendry Park continues to be a vibrant and well-loved community gathering space and that future park renewal projects will serve to meet the needs of the present and future generations.

Project objectives include engaging with the community to consider potential park elements and upgrades that will increase recreational opportunities and the variety of park experiences.
while preserving and enhancing the natural beauty, ecological health, function, and benefit of the park.

The master plan is intended to establish an appropriate spatial arrangement for future park uses and establish a guiding vision for cost-effective park development over the next 10-15 years. The consultant team is expected to engage with the community to identify priorities, articulate a design programme, and develop a concept plan that can be used to provide guidance for future Capital Plan projects.

Approval of the John Hendry (Trout Lake) Park Master Plan by the Vancouver Park Board is anticipated in early summer 2014.
BACKGROUND

The Vancouver Park Board is committed to excellence in resource management, engaging with people, delivering high quality universally inclusive and accessible parks, encouraging active living, and being a leader in greening.

John Hendry (Trout Lake) Park is located in East Vancouver’s Cedar Cottage neighbourhood and is a premier destination park with the only accessible freshwater lake in Vancouver. The park was created in the 1920’s and expanded to its current 27.3 hectares (67.5 acres) over the following 40 years. The park, with Trout Lake as its central feature, is very popular and attracts in the order of 750,000 visitors per year.

The park is surrounded by mostly single-family houses and duplexes, with medium density housing located northwest of the park (near the Broadway-Commercial SkyTrain station) and southwest of the park in the Commercial-Welwyn area.

Eikos Planning and Environmental Design Group Ltd., under the late Art Cowie’s direction, developed the concept plan for John Hendry Park in 1978, (see Appendix 2). The park’s inspired and environmentally sensitive layout and design has remained largely unchanged for over thirty years.

In 1995 an artist-led study was undertaken; the Trout Lake Restoration Project included oral history accounts and an interpretive map, (see Appendix 3).

The landscape architecture firm, Phillips Farevaag Smallenberg led a community consultation process in 2008 which culminated in the design and construction of Walter Francl Architecture’s award-winning Trout Lake Community Centre and Ice Rink (awards include, Excellence For Green Building: Globe Foundation and World Green Building Council). The new centre and rink are a vital hub of social, recreational and cultural activities and serve the needs of the community well.

Recently a portion of the combined sewer in the Trout Lake catchment area was separated; providing new opportunities for improving stormwater quality and enhancing natural habitat for biodiversity in John Hendry Park and Trout Lake.

The park currently includes the following features:

- Trout Lake (about 4 hectares/10 acres) with a freshwater swimming beach at its south end and naturalized edges on its east and west banks;
- Trout Lake Community Centre and Ice Rink, completed in 2012 and 2009 respectively, (located in the southwest corner of the park near Victoria Drive and 19th Avenue);
- Peat soils (present throughout the park);
- A perimeter walking path around the lake, and the B.C. Parkway bicycle route;
- Large grassy areas, some with panoramic views of the North Shore mountains, especially in
the southern portion of the park;

- One fieldhouse at the south end of the lake with washrooms, change rooms, a food concession and a caretaker’s suite;
- One picnic shelter at the southeast end of the lake;
- Two children’s playgrounds (a new and inclusive playground immediately east of the community centre and a 30+ year old playground east of the fieldhouse);
- Three tennis courts and three multi-use sports courts (all located in the southwest corner of the park);
- Two grass playfields, one all-weather field and six ball diamonds;
- Clubhouse for the Trout Lake Little League (located on the eastside of the park);
- Four parking lots located at the periphery of the park, with a total of about 350 spaces (the northern lot hosts a seasonal farmers market); and
- A dog off-leash area located at the north end of Trout Lake.

Additional background, reports and information on related Vancouver Park Board and City of Vancouver initiatives and strategic plans can be found at vancouver.ca.

**OPPORTUNITIES**

A variety of important opportunities have led the Park Board to make preparations for a master plan for John Hendry (Trout Lake) Park; the master plan process will explore these and other suggestions and make recommendations.

**Opportunities associated with existing uses in the park:**

- The dog off-leash area at the north end of the lake is one of Vancouver’s most popular dog off-leash areas; its interface with the perimeter walking path has resulted in conflicts with other park users.

- The extensive trail system in the park is well used year round and consideration is needed regarding drainage improvements, expansion, and appropriate surfacing.

- In recent years concerns have been raised regarding the water quality in Trout Lake and its future potential for swimming.

- The existing (30+ year old) playground at the south end of the lake is in need of replacement.

- There is a desire by the Vancouver Farmers Markets, to expand the size of the Trout Lake Farmers Market. A review of the operational requirements of the market as well as potential parking and traffic impacts is needed.
• John Hendry Park hosts a handful of major festivals (including Illuminares Lantern Festival) as well as a number of smaller events, including picnics. Improvements may be needed to better host both large and small events and festivals in the park.

Opportunities associated with the design programme, new recreational uses and facilities:

A diversity of opportunities focused on enhancing the social, cultural and environmental well-being of the community is expected to emerge during the public engagement process, including:

• key community values about the park;
• overarching park principles;
• the ecological integrity of Trout Lake and other significant natural features in the park;
• options for the stormwater quality improvements and rainwater restoration;
• areas and strategies for increased naturalization and biodiversity;
• opportunities for advancing environmental sustainability;
• location of the field house and public washrooms;
• location of playing fields and ball diamonds;
• location of sport courts and children’s playgrounds;
• size and layout of dog off-leash area;
• layout of walking paths and B.C. Parkway bicycle route, including park entrances;
• possible addition of new recreational uses (e.g. skateboarding facility, volleyball courts);
• hosting of community events and festivals, including picnics and the farmers’ market;
• location of parking lots;
• vehicular traffic patterns on streets surrounding the park; and
• priorities for improvements.

Opportunities associated with stormwater quality improvements, biodiversity enhancements, and naturalization in the park:

Over the years, there have been proposals for increased naturalization of the park, including the planting of indigenous vegetation and the daylighting of culverted streams.

The long-term goals of the current Greenest City 2020 Action Plan include enhanced biodiversity, improved ecological health, reduced combined sewer overflows, and increased access to nature.

Additional information and the scope of work related to the stormwater management study is attached, (see Appendix 1).
SCOPE OF WORK

The scope of work includes three main parts:

- the public engagement process
- developing a park master plan and associated written report
- a technical study and report on stormwater management, biodiversity enhancement and habitat restoration options (refer to Appendix 1).

The components are described separately in the RFP but are expected to be undertaken by a single multi-disciplinary team. The stormwater management study is expected to be integral and help to inform the master planning work.

The successful consultant team will be responsible for:

- collecting, organizing, digitizing and printing all planning, landscape and facility information relevant to the preparation of a master plan for John Hendry (Trout Lake) Park; recording and meeting up to ten times with an inter-departmental steering committee consisting of representatives from a variety of Vancouver Park Board and City departments, including: Communications, Community Planning, Engineering Services, the Sustainability Office, Park Development, Park Planning, Facility Development, Recreation, and Operations;
- leading, facilitating, recording and presenting at all public engagement events with neighbourhood residents and interested community groups - to hear ideas, answer questions, listen to feedback, and discuss options. (The expectation is that public engagement opportunities will include three to four public open houses as well as 15 meetings/workshops with small groups of interest-based stakeholders);
- preparing questionnaires and comment forms to glean public input and gauge support as well as analyzing, synthesizing, summarizing and reporting back on feedback received from respondents;
- providing to Park Board staff digital files of comment forms and materials prepared for and presented at public events in a format suitable for uploading to the Park Board’s website - 3 weeks in advance of events;
- preparing three and up to five conceptual master plan options to be presented to the public at a variety of events – display boards including photos, sketches, aerial perspectives and cross-sections to further assist public understanding of options and choices. Based on feedback received, the master plan options will be developed and refined incrementally, between public open house events;
- preparing and presenting a recommended park master plan and stormwater management report to the Vancouver Park Board for approval;
- preparing 2-D and 3-D visual material for presentations at public events and at Vancouver Park Board meetings;
- identifying an order of magnitude cost to implement the master plan and priorities for phasing and upgrades based on public feedback;
• providing two hard-copy and one electronic version of the Vancouver Park Board approved master plan and stormwater management report;
• minutes of all meetings.

Vancouver Park Board staff and the City’s Communication team will:

• assist with organizing public events, including identification of stakeholders, public notification and advertising, event space booking and set-up, translation/interpretation services, review questionnaires and upload on-line, gather public feedback, create and maintain a dedicated John Hendry Park project page on the City of Vancouver’s website;
• write reports to the Vancouver Park Board and its committees; communicate with the media.

DELIVERABLES

John Hendry (Trout Lake) Park Master Plan:
• concise report (15-20 pages) presenting the recommended park master plan, planning process, consultation methods, and results;
• stormwater management report, including options for biodiversity enhancement and habitat restoration;
• implementation strategy and priority projects; and
• phasing and cost estimates (Class D)

SCHEDULE

• Awarding of Consultant Contract Aug 2013
• Preparation of Master Plan options Sept 2013-April 2014
• Master Plan Public Engagement Events: Sept 2013-May 2014
  Open house #1 (with on-line questionnaire) September 2013
  Open house #2 (with on-line questionnaire) November 2013
  Open house #3 (with on-line questionnaire) March 2014
  Open house #4 optional (w/on-line questionnaire) May 2014
• Community Stakeholders Meetings/Workshops (15) Sept 2013- Mar 2014
• Staff and Staff Steering Committee Meetings (10) Sept 2013- June 2014
• Preparation of recommended John Hendry Park Master Plan April 2014- May 2014
• Completion of Report June 2014
SUBMISSION REQUIREMENTS

The consultant proposal should include the following:

- a description of innovative and unique approaches to the work offered;
- a description of the firm and project team, including identifying team members, their experience and project role, for both prime consultant and all sub-consultants;
- a description of the consultant team’s ability to design and produce creative presentation material (hard copy and digital) in a timely fashion;
- a description of the work program, including a timeline for each phase of work;
- a fee schedule which includes:
  a) a breakdown of fees for the consultant and sub-consultants;
  b) a breakdown of fees for the various project phases; and
  c) a list of hourly rates for possible additional work beyond the agreed upon scope of work.

Note: The prime consultant may, at their discretion, submit separate (optional) proposals from up to three sub-consultant teams for the preparation of the Stormwater Management Study – (refer to Appendix 1).

PROPOSAL SUBMISSION DEADLINE

The consultant is to submit 5 copies of their proposal to ______________________, by Thursday, July 26, 2013, 3:00 pm. Inquiries should be directed to _______________.

Park Board may or may not award the contract to the lowest qualified bidder.
APPENDIX 1

JOHN HENDRY (TROUT LAKE) PARK
STORMWATER MANAGEMENT STUDY:
Options for Stormwater Quality Improvement and Biodiversity Enhancement

PURPOSE

A key and foundational component of the John Hendry (Trout Lake) Park master planning work is the development of options for stormwater quality improvement and biodiversity enhancement.

The prime consultant team is expected to hire sub-consultants to lead a stormwater management study for John Hendry (Trout Lake) Park which will:

- develop options for improving stormwater quality including the capture or removal of fine sediment, fecal coliforms, and other contaminants associated with urban stormwater;
- explore options to maintain or enhance park use including recreational swimming;
- identify opportunities to create or restore watercourses and/or wetlands to improve stormwater quality;
- enhance biodiversity and increase access to nature by creating or restoring wetland, watercourse, and riparian habitats;
- demonstrate innovation in meeting Greenest City targets (https://vancouver.ca/files/cov/Greenest-city-action-plan.pdf); and
- create resilient infrastructure that helps the City adapt to climate change;

The study and options explored will be presented during the park master plan public engagement events and are expected to inform the design programme; a separate public engagement process for this specific and technical portion of work is not required of the sub-consultants.

WORK PROGRAM

1. Meet at Park Board along with staff from COV Engineering Services and Sustainability Office to confirm scope of work, communication requirements, and schedule, and to transfer existing information (GIS data, background reports, etc);

2. Review existing information on stormwater discharge and quality in the Trout Lake catchment (see Map 2 approximate catchment boundaries), and fill data gaps as required;
3. Identify options for meeting the stormwater management study objectives that may include but are not limited to: creating biofiltration wetlands, chamber-based filters or sediment traps, UV-based treatment systems, new or restored watercourses and riparian areas, seasonally flooded areas, diversion/bypass structures, and low-energy pump systems to circulate water. These options are expected to create a “toolbox” that can be assembled to create an overall water management system;

4. Provide maps, illustrations, text, tables, and data analysis to illustrate and compare the different options to the level that they can be presented to staff and the public;

5. Summarize the opportunities and challenges of each option in meeting the project objectives;

6. Provide preliminary costs estimates (Class D) for each option; and

7. Develop a compelling project summary for engaging the public and potential funders.

**Stormwater Management Study Area**

See attached MAP 1 (John Hendry (Trout Lake) Park), MAP 2 (Stormwater Catchment), and MAP 3 (Overall Trout Lake – China Creek System).
MAP 2: Approximate boundary of separated stormwater catchment adjacent to John Hendry Park

MAP 2  Stormwater Catchment
MAP 3 Overall Trout Lake – China Creek System

Vancouver Park Board staff will make available:

- in-house expertise and advice to the consultant with regards to park planning and design, recreation services, maintenance and operational issues;
- a digital base map which includes topography, services and park features;
- basic statistics for park area, building footprints, park usage, etc.;
- existing aerial and any ground level photographs;
- data, reports and information from other civic agencies (e.g. Engineering Services, Community Planning, Sustainability Office); and
- any available geotechnical information
  - spatial data (orthos, pipe network, 1 m contours, etc)
  - Estimates of flow volume from City of Vancouver Engineering staff
  - Previous Trout Lake studies including 2012 Greenest City Scholar Report

Other Relevant Studies and Projects

- Eastern Core: Stormwater management and climate change adaptation study (anticipated start January 2014)
- City-wide Integrated Stormwater Management Plan (ISMP) (anticipated start July 2013)
- Greenest City Scholar from 2012 on Trout Lake
SCHEDULE

Stormwater Management Study Aug-Nov 2013
Staff and Staff Steering Committee Meetings (5) Aug-Nov 2013
Draft Report (including class D cost estimate) Nov 2013
Final Report Dec 2013

DELIVERABLES

Stormwater Management Study:

- Concise report (35-40 pages) presenting the methods and results of the study;
- Data analysis and other technical analyses provided as appendices;
- Report must present options and document anticipated benefits using maps and other graphics for presentation to the public and potential funders;
- Separate summary document (2 to 4 pages) summarizing options, key findings, and recommendations including graphics and maps;
APPENDIX 2
Concept Plan for John Hendry Park (1972)

JOHN HENDRY PARK
an urban demonstration project

A Concept Plan Presentation
This Conceptual Plan for the redevelopment of John Hendry Park has been presented and received by the Vancouver Board of Parks and Recreation. The Plan, prepared by the Trout Lake Conceptual Planning Team, is the outcome of a six-month process involving citizen and professional expertise. The Park Board will hold a public meeting on Thursday, November 23rd at the Trout Lake Community Centre, 3350 Victoria Drive, at 7:30 p.m., and invites residents of the Cedar Cottage Neighbourhood and surrounding areas to hear a presentation of the Plan. At this time, citizens are welcome to comment. For further information, phone the Park Board Office at 681-1141, local 17.

The Opportunity
The opportunity to redevelop John Hendry Park has come at a time when the traditional aspects of public use of parks in Vancouver are undergoing a major change. It is also a reflection of the increased citizen interest and involvement in local community affairs and activities made possible through certain neighborhood programs.

The need for redevelopment of John Hendry Park as a focus for the local community was clearly identified during the 1974-75 Cedar Cottage Neighbourhood Improvement Program. In November 1974 a list of recommendations was submitted to the Park Board by the NIP committee.

On September 1, 1977, the Federal Ministry of State for Urban Affairs and the City of Vancouver signed an agreement allocating financial support of one million dollars for redevelopment of John Hendry Park. It was agreed that the redevelopment would include a swimming facility and rehabilitation of Trout Lake. The following objectives were specified in the agreement:

(a) to preserve and enhance the natural environment and ecology of Trout Lake, as well as to upgrade the swimming facilities;
(b) to demonstrate how two conflicting demands on the use of Trout Lake can be integrated and provide for more intensive community recreation use, without destroying the natural environment and ecology;
(c) to evaluate the effectiveness of the public objectives and implementation.

In accepting the agreement, the City undertook to be responsible for:

- provision of the land, the completion of John Hendry Park swimming facility, Trout Lake rehabilitation and for all costs in excess of $1,000,000 needed to make the project operational.

On January 28, 1978, the Park Board advertised in the local papers for consultant teams of Landscape Architects, Architects and Engineers to undertake a study and report on proposed development work in John Hendry Park.

The Public Process
On April 13, 1978, the first public meeting to discuss the scope of the project took place at Trout Lake Community Centre. On May 11, a Community Planning Committee was elected. At its regular meeting on June 5, the Park Board decided to hire the R.J. Soper Design Team to undertake the John Hendry Park Urban Demonstration Project concept plans, and on June 8, the Consultant Group met with the Planning Committee to start work.

During the summer months, twelve public meetings were held with an average attendance of more than twenty persons. These meetings discussed and debated, technical inventories, site analysis, community needs and priorities, and eventually concept plan recommendations. On October 5, a concept plan and budget were unanimously endorsed at a public meeting at Trout Lake Community Centre. The study findings were then presented to the Park Board on October 25 for their consideration.

Master Plan Recommendations
At an early stage in the study, the Planning Group decided that the first charge against the $1 million federal grant should be for upgrading Trout Lake and related environs and park facilities. After this basic park development has been implemented, consideration will then be given to a swimming facility in keeping with the terms of reference. The plan therefore strives to maximize the natural potentials of the site. Allowance has been made for an increasingly range of activities so that the park will be attractive to a wider range of people.

- The south end of the lake will be expanded by provision of an existing aquatic playground designed to enable children to enjoy water play in safe conditions. The edge of the lake will be altered by dredging and bank stabilization, and lagoons, islands, docks and bridges will be created.
- A nature area with an interpretation centre will be located at the north end of the lake and will include a fitness track, paths, viewpoints and rest benches.
- Most of the parking will be located around the edge of the park. This will free the interior areas from this kind of intrusion and so enhance passive activities and lake related activities.
- Sports fields will be reconstructed for maximum use and ease of maintenance.
- Pickleball facilities will be organized so as to appeal to family gatherings as well as large ethnic groups.
- Many trees and shrubs will be planted, including native trees from various countries. Within five years the Park will have taken on a mature atmosphere resulting from the growth of these plantings.
- Hopefully, new buildings will be eventually incorporated into the Plan along with a 7,000 to 8,000 square foot swimming lagoon.

All of the preferred needs, and most of the desired needs, will be provided within the framework of the Plan and within the $1.5 million projected first priority budget. The redevelopment envisaged in the Plan, the improvement and added features and amenities will benefit all users of John Hendry Park. The Park will offer a variety of activities for all age groups and a range of facilities for participants in the sports, from those actively playing to those watching, encouraging. It will be a pleasant outdoor gathering place and a place to stroll and enjoy the visual satisfactions of trees, water, plants.

Existing Model Boat Area
Budget

The budget estimates are divided into first, second and third priorities. Generally, first priority items are aimed at upgrading the natural environment of the park, providing a safe aquatic playground, and establishing a framework into which second priority items, such as the nature interpretation centre and swimming lagoon, can be fitted as funds become available. The third priority item is the acquisition of property in the northeast corner of the park and the future development of extra playgrounds there.

Present federal funding received for park development under the urban conservation program is $320,000. On April 1st, 1979, the Parks Board will receive an additional $550,000. The balance of $200,000 is to be received upon completion of the project. The total federal contribution is $1,000,000.

First Priority Items with $1,000,000 Federal Funding

<table>
<thead>
<tr>
<th>ITEM</th>
<th>ESTIMATED</th>
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</thead>
<tbody>
<tr>
<td>Lake - Upgrade water supply including fountains</td>
<td>$500,000</td>
</tr>
<tr>
<td>Lake - Bank stabilization</td>
<td></td>
</tr>
<tr>
<td>Lake - New lagoons and coves</td>
<td></td>
</tr>
<tr>
<td>Lake - Decks &amp; bridges</td>
<td></td>
</tr>
<tr>
<td>Areas Surrounding Lake - Nature area including fitness track</td>
<td>$202,000</td>
</tr>
<tr>
<td>Pathways &amp; trails</td>
<td></td>
</tr>
<tr>
<td>Parking lots</td>
<td></td>
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<tr>
<td>Tennis courts &amp; fields</td>
<td></td>
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<tr>
<td>Parks &amp; walks &amp; playgrounds</td>
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</tr>
<tr>
<td>Tables &amp; benches</td>
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<tr>
<td>Basketball courts</td>
<td></td>
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<tr>
<td>New Parking</td>
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<tr>
<td>Lighting - General park lighting</td>
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<tr>
<td>One scenic two lighting</td>
<td>TOTAL: $1,000,000</td>
</tr>
</tbody>
</table>

The Aquatic Playground

The Aquatic Playground, designed primarily for children’s play, will be an ideal extension of the existing beach and will serve as an overflow to the swimming lagoon. Children will be able to control or leave all major features such as water nozzles and spray pumps. The water supply will come from the city system and will be heated by specially designed heat pumps. It will drain into the lake, in this manner filtration and chlorination systems may be avoided.

The swimming lagoon will be located directly adjacent to the lake, although separated from it by a deck like pier. It will be fed by city water and chlorinated in the usual manner. The lagoon is designed to be a completely separate body of water from the lake and will be very much like an outdoor swimming pool floating on the lake’s edge.

A Nature Area

A nature area will be created by dredging lagoons and forming low mounds to provide a visual example of the natural conditions that existed at Trout Lake in past times. Native plants will be featured and there will be frequent visual contact with the gravel ponds from which waterfowl, shorebirds and upland bird species, fish, and possibly mammals, amphibians and reptiles that will frequent the area. This will be a unique urban freshwater environment for interpretation and educational opportunities. In this area, platforms at the water’s edge will be constructed for fishing, model boat sailing and viewing.

The Next Step

The Parks Board have instructed staff to provide with detail design and working drawings for priority one budget items. During the winter 1979/1980 the City Engineering Department will be able to plan and contract for the new and improved facilities in the park. In the spring of 1979 the Parks Board will undertake contract work for example, sports field construction, utility construction, and relocation of parking lots. In early summer they will proceed with other improvements in phases one and two, probably starting with dredging and shoreline improvements.

Credits

TROUT LAKE CONCEPTUAL PLAN TEAM

Community Planning Committee Executive:
- Don Hargreaves, Chairman
- Pat Smith, Vice-Chairman
- Bill McLean, Secretary
Public Greenwood Members:
- Philip Parkin
- Graham Haynes

Parks Board Representatives:
- Larry Foster, Director Planning & Development
- Stephen Gregor, Parks Development Manager
- Kevin Pau, East Area Recreation Manager

Consultants Group:
Elée Planning and Environmental Design Group Ltd.
- Art Dower, Project Manager
- Peter J. Wallis, Landscape Architect
- Randy Shaw, Architect
- Dale Downey, Editor/Designer

Phillips Warden Engineers and Architects
- Jack McLeod, Engineering Services & Facilities

Roger Hughes Associates
- Roger Hughes, Landscape Design

Additional credit to the above, many citizens of Parks Board Staff and Consultant Staff, participated in the planning process. Their names are recorded in Committee and Consultant's reports.
APPENDIX 3
Trout Lake Restoration Project (1995) Interpretive Map