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Technical Memorandum

DATE: March 19, 2026

TO: Joseph Fry BCSLA, CSLA, ASLA
Hapa Collaborative

FROM: Caroline Charbonneau, MASc, PEng

RE: **BURRARD SLOPES PARK**
50% Concept Design Servicing Summary
Our File 3029.022-300

Background

Kerr Wood Leidal Associates (KWL) was retained by Hapa Collaborative (Hapa) to support the concept design of Burrard Slopes Park, in the City of Vancouver. Burrard Slopes Park (the Park) is a new park that the City of Vancouver (the City) is proposing in the Fairview Slopes neighbourhood. The park design is being led by the Vancouver Board of Parks and Recreation (VPB). The project has undergone schematic design and is currently at 50% concept design. This memo summarizes the site servicing and stormwater management considerations for the park. Stormwater management for the Arbutus Greenway between Pine Street and Fir Street, and the adjacent rights-of-way (ROW), have been considered as part of this works.

KWL has previously completed the following work which form the background and basis of design for the strategy described herein:

- Burrard Slopes Park Preliminary Site Analysis (KWL – August 17, 2023) – Draft
- Burrard Slopes Park Overland Flow Mitigation Assessment (KWL – September 17, 2024) – Final

The letter summarizes the servicing (watermain, sanitary, and storm sewer) and stormwater management considerations for the park parcel and adjacent parcels as they relate to supporting the concepts developed by Hapa for the 50% concept design.

Servicing Considerations

Parcel Delineation

The proposed park is 1.1 ha and will encompass the entire block bounded by Pine Street, Fir Street, 5th Avenue, and 6th Avenue. The park will include the existing parks (at the northwest and southeast corners), the Arbutus Greenway, and the park lands north of the Arbutus Greenway. Existing parks will be maintained under future conditions, and the Arbutus Greenway will largely remain as per existing conditions; however, stormwater management upgrades will be implemented in the Arbutus Greenway.

Servicing Principles

In consultation with the City and during development of the concept design, it was indicated that the Arbutus Greenway, which runs diagonally through the site from the southwest corner to the northeast corner, will remain under the jurisdiction of City of Vancouver Engineering and will not form part of the VPB Park area.

As such, the Park parcel is divided into two smaller parcels by the Arbutus Greenway. The Park parcel in the southeast corner is an existing park and will remain unchanged as part of this project. All modifications discussed in this report pertain to the Park lands north of the Arbutus Greenway.

Park services described in this report include water, sanitary, and storm. The Park parcels are to be serviced in accordance with a private ownership-type servicing strategy. This is accomplished by ensuring that the Park has its own dedicated service connections to the adjacent City-owned ROW. No Park underground services will cross through the Arbutus Greenway. However, a portion of the park surface drainage will discharge from the park to the Arbutus Greenway rain garden to be managed, as directed as an exception from the City of Vancouver's Green Infrastructure department for the purpose of preliminary design. The logistical feasibility of this surface connection will need to be further investigated during detailed design.

Part of the stormwater management strategy for this project involves capture and treatment of the surrounding streets (Pine Street, Fir Street, 5th Avenue, and 6th Avenue). Where feasible, this was achieved using green infrastructure located within the ROW; however, the City has supported the capture and treatment of stormwater from ROW runoff within the Arbutus Greenway when this was not possible.

50% Concept Site Servicing

KWL developed a site servicing and stormwater management concept plan to support Hapa's 50% design concept plan for the Park. The concept plan includes two rain gardens within the Arbutus Greenway, one rain garden on Pine Street, and one rain garden in the Park parcel. In addition, two infiltration trenches are proposed, one within the park parcel and one beneath the sidewalk located on the west side of Fir Street at the Fir Street / 5th Avenue intersection. The servicing plan will require water and sanitary services for a washroom located in the Park.

KWL's Site Servicing Concept Plan is appended to this report and provides details on the watermain, sanitary, storm sewer, and stormwater management considerations. Detailed servicing and stormwater management considerations are summarized in the sections that follow.

Water

Water services will be required in the Park to serve the washroom building. The concept plan proposes a pollinator garden, dog park, and other ancillary features, such as water fountains and hose bibs, which can be serviced from the water line through the site if required. The servicing layout currently has the water service to the washroom connecting to the watermain in Pine Street via an alignment on the north side of the Arbutus Greenway. The water service line will need to cross existing electrical, storm, telecommunications, and two sanitary sewer lines to connect to the existing watermain in Pine Street.

Detailed sizing, alignment, and connection for the proposed water services will be provided in later stages of design.

Sanitary

Sanitary services will be required in the Park to serve the washroom building. The concept plan proposes a sanitary service connecting the washroom to the sanitary sewer in Pine Street via a parallel alignment to the watermain, which runs along the north side of the Arbutus Greenway. The alignment can accommodate a 3 m separation from the sanitary to the water service. The sanitary service will need to cross an existing telecommunication line to connect to the existing sanitary main in Pine Street.

Detailed sizing, alignment, and connection for the proposed sanitary services will be provided in later stages of design.

Storm

Park

A single service connection is proposed for the park. The connection is proposed to discharge to the existing 1500 mm concrete storm sewer on Pine Street approximately 4.5 m below grade. This connection will drain DMA-04, DMA-05, DMA-06, DMA-07, and DMA-08 through a storm sewer running east to west along the north edge of the Park property. This connection will need to cross an existing 1650 mm diameter sanitary trunk main in Pine Street prior to connecting into the existing storm sewer.

Due to park grading design and a desire to maximize green infrastructure performance, a portion of the park surface runoff (DMA-15) will be directed to the rain garden within Arbutus Corridor (RG-4) due to its proximity to the proposed rain garden. This catchment will therefore discharge to the Fir Street sewer system.

Arbutus Greenway

Two service connections are proposed for the Arbutus Greenway due to limitations with the existing topography. The western storm service connection will discharge into the existing 1500 mm concrete storm sewer on Pine Street approximately 5.7 m below grade. This connection will take runoff from the rain garden (RG-3) which captures runoff from the Arbutus Greenway (DMA-09) and the south portion of 6th Avenue (DMA-02).

The second connection will discharge into the existing 450 mm combined sewer on Fir Street, approximately 5 m below grade. The catchment area to this connection includes RG-4 which collects water from Fir Street (DMA-03 and DMA-13) as well as the Arbutus Greenway (DMA-10) and a small portion of the park (DMA-15). Further discussion will be required with City staff during detailed design to determine: (1) whether it is acceptable to drain into the combined sewer; and (2) whether it is acceptable to drain a portion of the park to the Arbutus Greenway.

Stormwater Management

The stormwater management strategy has been developed to meet the objectives of the City as outlined in KWL's Site Analysis Memorandum (KWL 2023) and further discussed with the City and VPB. As shown in the appended Concept Plan, catchment boundaries for the site follow the Park, ROWs, and Arbutus Greenway boundaries, and are subdivided as required based on grading and other site features. The stormwater management strategy for the Park, Arbutus Greenway, and ROWs are described in the following sections, and summarized in Table 1.

Park Drainage

The stormwater management features proposed within the Park were designed using current best practices. Where feasible, green infrastructure was sized to provide treatment of high-pollutant load surfaces and capture and slow release on surfaces with high impervious cover. The stormwater management approach for the park includes the following features:

- A rain garden (RG-2) to manage runoff from the skatepark (DMA-04).
- Sub-surface perforated pipes to accommodate runoff from the dog park (DMA-06), which drains to a 65 m^3 infiltration trench in DMA-06, along the north boundary of the park. Due to high levels of fecal contamination present in runoff from dog parks, this strategy was chosen to encourage infiltration to reduce downstream pollutant load.
- A drainage swale along the north edge of the Park to capture overland flow. The swale will drain to a low point, where surface runoff will be collected in a lawn basin and connected into the proposed storm line running east to west that feeds into the existing Pine Street storm sewer.

- Impervious (I) to pervious (P) redirection of all at-grade non-vehicle loading impervious area (at a maximum ratio of 2:1 I/P to allow for capture in the absorbent landscape.
- Use of a drain tile approach to drain the central lawn area through subsurface pipes to ensure the lawn has adequate drainage during the wet season and to minimize saturation. The central lawn area should be constructed to the quality typical of a sports field which prioritizes rapid drainage of the surface and subsurface materials. Use of a GRI system to capture and infiltrate runoff from the central lawn area should be explored in detailed design as a secondary objective for the central lawn area.

Arbutus Greenway Drainage

The Arbutus Greenway drainage is managed in two rain gardens (RG-3 and RG-4) located along the entire north length of the Greenway and are proposed to provide treatment to the Greenway catchments (DMA-09 and DMA-10), respectively. In addition to the Greenway drainage, the rain gardens are also proposed to provide treatment to the adjacent ROWs: Pine Street catchment DMA-02 in RG-3 and Fir Street Catchment DMA-03 in RG-4.

In addition to managing the adjacent ROW drainage, the Arbutus Greenway green infrastructure has been identified as providing an opportunity for larger catchment scale stormwater management from the Pine Street ROW and Blue-Green corridor to the south. This has been identified as an opportunity by the City and detailed sizing and future considerations are summarized in KWL's September 2024 memorandum (KWL 2024). The rain garden footprint provided in RG-3 is larger than what is required for the known contributing catchments (DMA-02 and DMA-09) however further investigation would be required to determine how much additional catchment could be treated within RG-3.

As previously discussed, the Greenway topography has drainage limitations, requiring a separate storm connection to Pine Street and Fir Street. The capacity of the receiving storm sewer systems was not assessed as part of the park design work and will need to be confirmed during detailed design. For the purposes of concept design, it is not expected to be a concern as the proposed catchments to the receiving sewers are not changing from existing conditions and the proposed park is decreasing the impervious area from existing conditions.

ROW Drainage (Pine Street, 5th Avenue, Fir Street, and 6th Avenue)

Stormwater generated from the ROWs is proposed to be managed using green infrastructure (GI) to the extent feasible. Preference has been given to surface GI, such as rain gardens; however, other options have been explored where this is not possible. Treatment for the ROW is summarized as follows:

- **Pine Street:** Pine Street is proposed to drain to a rain garden in the northeast of the catchment adjacent to the park property line. This location is preferred as there are fewer utility conflicts compared to the northwest portion of the catchment.
- **5th Avenue:** Significant underground and overhead utility conflicts limit the opportunities available for GI on 5th Avenue. This includes major gas infrastructure such as distribution lines and an intermediate pressure pipeline. The proposed bike lane and transportation upgrades provide opportunities for impervious to pervious redirection to achieve the stormwater management requirements for the new bike path. In the proposed concept plan, a footprint has been identified where GI may be feasible but would require crossing two gas mains and accommodating existing trees. The remainder of stormwater generated within the 5th Avenue ROW will likely still require the use of conventional storm sewer infrastructure.
- **Fir Street:** The proposed concept takes advantage of the space available in the Arbutus Greenway (DMA-10) to provide stormwater management for the south portion of Fir Street (DMA-03). The runoff from the north portion of Fir Street (DMA-13) will be directed into an infiltration trench adjacent to the park beneath the sidewalk on the west side the street. Pre-treatment for the road runoff is strongly recommended prior to discharging to the trench to ensure the long-term performance of the infiltration trench is maintained.

- **6th Avenue:** The proposed concept takes advantage of the space available in the Arbutus Greenway (DMA-09) to provide stormwater management for the north half of 6th Avenue (DMA-02). The remaining east portion cannot be treated due to topography limitations.

Table 1: Stormwater Management Strategy

Catchment ID	Parcel Description	Parcel Type	Catchment Area (m²)	Percent Impervious	Stormwater Management Strategy
DMA-01	Pine Street	ROW	1,900	90%	Rain garden (RG-1).
DMA-02	6th Avenue (north half of street) west	ROW	950	95%	Rain garden within Arbutus Corridor (RG-3).
DMA-03	Fir Street (west side of street) south	ROW	500	95%	Rain garden within Arbutus Corridor (RG-4).
DMA-04	Skatepark	Park	1,230	66%	Rain garden (RG-2).
DMA-05	Lawn Area	Park	2,540	0%	Absorbent landscape.
DMA-06	Off Leash Area (OLA)	Park	650	26%	Sub-surface perforated pipes directed to infiltration trench with overflow connecting into the site storm sewer prior to discharging to the existing Pine Street storm sewer.
DMA-07	Washroom, Park General	Park	940	66%	Impervious (I) to pervious (P) redirection at a 2:1 I/P ratio.
DMA-08	Food and Culture Gardens	Park	1,230	28%	Impervious (I) to pervious (P) redirection at a 2:1 I/P ratio.
DMA-09	Arbutus Corridor	ROW	2,330	50%	Rain garden along Arbutus Corridor (RG-3) (drain to Pine Street).
DMA-10	Arbutus Corridor	ROW	500	52%	Rain garden along Arbutus Corridor (RG-4) (drain to Fir Street).
DMA-11	Existing Park Parcel	Park	1,350	30%	Not proposed as no upgrades proposed for this catchment.
DMA-12	6th Avenue (north half of street) east	ROW	700	95%	Not proposed due to space and grading limitations and no proposed works in the adjacent parcel (DMA-11).
DMA-13	Fir Street (west half of street) north	ROW	290	95%	Proprietary treatment device and infiltration trench.
DMA-14	5th Avenue (south side of ROW)	ROW	2,050	95%	Not proposed due to space, grading, and underground utility constraints.
DMA-15	Park General	Park	400	56%	Rain garden within Arbutus Corridor (RG-4).

Water Balance / Green Infrastructure Performance

Rain gardens were identified as the primary GI measure in the proposed concept plan due to their capacity to provide effective stormwater treatment along with a range of additional benefits. Although this is the preferred approach to treatment, there are several locations where rain gardens are not feasible. For instance, in Fir Street, where available space is insufficient to accommodate a rain garden, a 32 m^3 infiltration trench is proposed.

Rain gardens are proposed in the Park parcel, the Arbutus Greenway, and in the ROW. A total of four rain gardens are provided. Sizing parameters were assumed based on typical rain garden sections and are summarized in Table 2, and the specific sizing and performance for each rain garden is summarized in Table 3. Parameters are provided for two infiltration rates (5 mm/hr and 25 mm/hr) based on the expected range of provided by the geotechnical investigation. This is intended to be indicative for the purpose of conceptual design. Detailed in situ infiltration testing is in progress and will be required to size and design the rain gardens during detailed design. Rain garden cross sections will be as per the City's Standard Detailed Drawings for GI.

Table 2: Rain Garden Sizing Parameters

Description	Infiltration Rate = 5mm/hr		Infiltration Rate = 25mm/hr	
	Park	ROW	Park	ROW
Maximum Impervious to Pervious Area (I/P) Ratio	50	20	50	20
Rainfall Capture Depth	48 mm	48 mm	48 mm	48 mm
Allowable Subsurface Drain Time	48 hours	48 hours	48 hours	48 hours
Depth of Ponding	200 mm	200 mm	200 mm	200 mm
Soil Layer Depth	450 mm	450 mm	450 mm	450 mm
Side Slopes	3:1	3:1	3:1	3:1
Rock Reservoir Required?	Yes	Yes	Yes	Yes
Rock Reservoir Depth	600 mm	600 mm	2000 mm	340 mm
Rock Reservoir Porosity	0.35	0.35	0.35	0.35

Table 3: Rain Garden Detailed Sizing and Performance

Rain Garden ID	Contributing Catchments	Total Drainage Area (m^2)	% Imperv.	RG Area Provided (m^2)	RG Area Required (m^2)	Meets Treatment Criteria?[1]	RG Area Required (m^2)	Meets Treatment Criteria?[1]
					K = 5 mm/hr		K = 25 mm/hr	
RG-1	DMA-01	1,900	90%	190	230	No	150	Yes
RG-2[2]	DMA-04	1,230	66%	165	130	Yes	65	Yes
RG-3[2]	DMA-02, DMA-09	3,280	63%	580	265	Yes	175	Yes
RG-4[3]	DMA-03, DMA-10, DMA 15	1,400	69%	140	145	No	100	Yes

Note:
1. Treatment criteria is based on the sizing summary in Table 2 and capture and treatment of 48mm of rainfall. The treatment area provided exceeds the area required to allow potential to intercept some overland flow from the Pine Street corridor.

Based on the conceptual rain garden layout, adequate space can be provided as long as the subsurface soils can achieve an infiltration rate of 25 mm/hr. If in situ infiltration rates are closer to 5 mm/hr, RG-1 and RG-4 will require an enlarged footprint to meet performance requirements. All GI sized as part of this letter is subject to change as additional information, such as geotechnical and detailed site surveys, become available.

In the event that the rain garden in DMA-09 (RG-3) is used for detention of Pine Street overland flow, the design, volume detained, and rate of water that can be diverted will need to be investigated in detailed design.

References

KWL 2023. Burrard Slopes Park Preliminary Site Analysis – Draft Report. *Prepared for Hapa Collaborative.* August 17, 2023.

KWL 2024. Burrard Slopes Park Overland Flow Mitigation Assessment. Prepared for Hapa Collaborative. September 17, 2024.

Closing

We trust this information meets your needs. Please contact the undersigned if you have any questions.

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Encl.: Site Servicing Concept Plan

Statement of Limitations

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Revision History

Revision #	Date	Status	Revision Description	Author
0	March 19, 2026	Final		CRQ/CEC

Legend

- 300 mm Storm Sewer
- Sanitary Sewer
- Water Main
- 150 mm Perforated Drain Pipe
- Trench Drain
- Flow Direction
- Sediment Basin
- Catchbasin
- Rain Garden*
- Infiltration Trench*
- Underdrain Cleanout
- Lawn Basin
- Maintenance Hole
- ***Catchments***
- Park
- ROW / Arbutus Corridor
- Not Managed

* Note: Base area assumed with 5 mm/hr soils and will need to be revised based on specific soil conditions

BIKE LANE TO BE DRAINED INTO VEGETATED TREE STRIP.

NO TREATMENT CURRENTLY PROPOSED IN DMA-14. HOWEVER POTENTIAL FOR GI IN THIS PORTION OF 5TH AVENUE TO AVOID ALL MAJOR GAS INFRASTRUCTURE. REQUIRES CROSSING 60DP AND 406DP GAS LINES. WOULD NEED TO CONSIDER WORKING AROUND EXISTING TREES. NOTE THAT SIGNIFICANT INFRASTRUCTURE IN THIS AREA WILL RESTRICT GI IMPLEMENTATION.

DRAINAGE SWALE REQUIRED ALONG NORTH BOUNDARY OF PARK OF PARK. A LAWN BASIN SHALL BE ADDED TO THE LOW POINT AND TIED INTO THE STORM SEWER.

DOG PARK RUNOFF TO BE COLLECTED VIA SUBSURFACE INFILTRATION PIPES AND DIRECTED TO 65 m³ INFILTRATION TRENCH. SEE CoV STANDARD DETAIL GI6.2

THERE ARE POTENTIAL CONSTRAINTS TO CONSTRUCTING GREEN INFRASTRUCTURE HERE THAT WILL NEED TO BE RESOLVED DURING DETAILED DESIGN (HYDRO POLE, SPACE AVAILABILITY)

PRE-TREATMENT IN A PROPRIETARY TREATMENT UNIT IS REQUIRED PRIOR TO INFILTRATION TRENCH TO ENSURE LONG TERM PERFORMANCE OF ROCK TRENCH

INFILTRATION TRENCH
PROPOSED BENEATH SIDEWALK / WITHIN BOULEVARD

DMA-13
AREA REQ. 32 sq m
DEPTH 0.9 m
SEE CoV STANDARD DETAIL GI6.2

DMA-14
2050 m²

STORM MANHOLE (TYP.)
INSTALL MANHOLE AND CONNECT INTO CITY STORM SEWER BENEATH RAIN GARDEN AT INV ELEV ~13.75

LAWN BASIN (TYP.)

150 mm PERFORATED PIPE (TYP.)

RG-1
DMA-01
BASE AREA REQ. 143 m²
SURFACE AREA REQ. ~230 m²
3:1 SIDE SLOPES
BASE ELEVATION ~17.70 m

RAIN GARDEN WILL NEED TO BE COORIDNATED WITH ELECTRICAL AND WILL BE LOCATED ABOVE THE SANITARY SEWER

UNDERDRAIN CLEANOUT (TYP.)

DRAIN SKATEPARK WITH CB AT LOW POINT

RG-2
DMA-04
BASE AREA REQ. 68 m²
SURFACE AREA REQ. 127 m²
3:1 SIDE SLOPES
BASE ELEVATION ~17.00 m

300 mm STORM (TYP.)

SKATEPARK BASE ELEV ~17.95

DMA-04
1230 m²

DMA-07
940 m²

DMA-06
650 m²

RG BASE ELEV ~18.15

DMA-15
400 m²

DMA-13
290 m²

OVERFLOW CONNECTION TO COMBINED SEWER

STORM IS PROPOSED TO CONNECT INTO A COMBINED SEWER WHICH MAY NOT BE ACCEPTABLE. VANMAP SHOWS THIS COMBINED SEWER CONNECTING INTO A STORM SEWER. TO BE DISCUSSED WITH THE CITY DURING DETAILED DESIGN.

PROPOSED SEWER CONNECTION COMPLETE WITH BACKFLOW PREVENTOR

CATCHBASIN LEAD DISCHARGE AT ELEV ~18.35

PR CATCHBASIN RIM ~19.36 INV ~18.53

WEIR IN RG4 TO PROVIDE LEVEL BASE IN EACH RAIN GARDEN SECTION

FIR STREET TREATED IN RG4 WITHIN ARBUTUS GREENWAY. RG4 OUTFLOWS BACK INTO FIR STREET COMBINED SEWER.

UTILIZE A DRAIN TILE APPROACH TO DRAIN LAWN VIA 150 mm PERFORATED DRAIN PIPE IN DMA-05. LAWN AREA TO BE SPORTS FIELD QUALITY TO ENSURE OPTIMUM DRAINAGE.

DIRECT RUNOFF FROM IMPERVIOUS (I) TO PERVIOUS (P) AT 2:1 I/P RATIO.

WATER SERVICE FOR WASHROOM (ASSUME 75 mm DIA)

RG BASE ELEV ~18.45

DMA-08
1230 m²

DMA-05
2540 m²

DMA-10
500 m²

DIRECT RUNOFF FROM IMPERVIOUS (I) TO PERVIOUS (P) AT 2:1 I/P RATIO.

OPPORTUNITY FOR INFILTRATION OF CENTRAL LAWN AREA RUNOFF THROUGH USE OF A GRI SYSTEM TO BE EXPLORED IN DETAILED DESIGN.

SANITARY SERVICE FOR WASHROOM (ASSUME 200 mm DIA)

DRAIN DMA-15 TO RG-4

DMA-01
1900 m²

CONNECT TO EXISTING WATER ON PINE STREET. WATER WILL NEED TO CROSS ELECTRICAL, STORM, TELECOMM, AND TWO SANITARY SEWER LINES.

WATER VALVE

WATER METER

WATER SERVICE CONNECTION TO GARDENS

RG BASE ELEV ~19.50

RG 4
DMA-03, DMA-10, DMA-15
BASE AREA REQ. 83 m²
SURFACE AREA REQ. ~147 m²
3:1 SIDE SLOPES
BASE ELEVATION VARIES - SEE PLAN.

DMA-03
500 m²

CONNECT TO EXISTING SANITARY ON PINE STREET. SANITARY WILL NEED TO CROSS EXISTING 1650 STORM SEWER AND TELECOMM LINES

RG BASE ELEV ~19.65

RG BASE ELEV ~20.10

RG BASE ELEV ~19.95

CULVERT BENEATH LAND BRIDGE WILL CONNECT THE WEST AND EAST PORTIONS OF RG3

RG BASE ELEV ~19.80

USE WEIRS THROUGHOUT RG 3 TO ENSURE A FLAT BASE IN EACH RAIN GARDEN SECTION FOR ADEQUATE TREATMENT

DMA-09
2330 m²

DMA-11
1350 m²

NO SERVICES OR STORMWATER MANAGEMENT PROPOSED IN DMA-11 AS THE EXISTING PARK WILL REMAIN UNCHANGED

CONNECT INTO EX PINE ST STORM SEWER
INV ~15.09

ARBUTUS BIKE / PED PATH TO BE SLOPED SOUTH AND DRAIN TO SWALE AND RAIN GARDEN

RG 3
DMA-02, DMA-09
BASE AREA REQ. 146 m²
SURFACE AREA REQ. ~228 m²
3:1 SIDE SLOPES
BASE ELEVATION VARIES - SEE PLAN.

NOTE - ABOVE AREAS ARE MININUM REQUIRED TO MANAGE DMA-02 AND DMA-09. RG-3 SHALL BE CONSTRUCTED AS LARGE AS POSSIBLE TO ACCOMMODATE OVERLAND FLOW FROM PINE STREET

DMA-02
950 m²

CATCHBASIN LEAD DISCHARGE AT ELEV ~19.85

PR CATCHBASIN RIM ~20.92 INV ~20.08

DMA-12
700 m²

NO TREATMENT PROPOSED IN DMA-12 DUE TO GRADING LIMITATIONS

PINE STREET RUNOFF CONVEYED INTO RAIN GARDENS VIA SURFACE GRADING OR THROUGH REDIRECTED CATCHBASINS

NOTE:
ACCURACY AND COMPLETENESS OF 3rd PARTY UTILITIES INFORMATION IS NOT GUARANTEED

0 2 (1:250) 10 m

SITE PLAN
Scale 1:250

KERR WOOD LEIDAL
consulting engineers
Accountability - Collaboration - Excellence - Innovation

PRELIMINARY
DO NOT USE FOR CONSTRUCTION

Info:

Seal

Rev	Date	Des	Dwn	Chk	Description
A	2025-01-13	CEC/ CRQ	CRQ/ DCD	AJK	ISSUED FOR REVIEW
B	2025-12-15	CRQ	MAR		ISSUED FOR REVIEW

BURRARD SLOPES PARK

SITE SERVICING CONCEPT PLAN

Project No.	3029-022	Drawing No.	C-102	Rev.	B
Group	CIVIL				

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