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Iona Island WWTP Temporary Dewatering Pad

City of Richmond DP Application: 19-850320

IIWWTP – Temporary Dewatering Pad (DP 19-850320)



Plan #1A

IIWWTP – Secondary treatment facility by 2030.

New Biosolids Dewatering Facility – removes the need for the existing biosolids storage lagoons.

DP 19-850320 – for a temporary dewatering pad to facilitate the dewatering of storage lagoons.



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IIWWTP – Temporary Dewatering Pad (DP 19-850320)



Plan #1B

Iona Island – Conservation Area

Environmental Assessment – prepared by Sartori Environmental.

Three ESAs: intertidal, shoreline and freshwater wetland.

Dewatering Pad – within the designated freshwater wetland ESA.

Compensation Plan: Green.



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IWWTP – Temporary Dewatering Pad (DP 19-850320)

- 2,145 sqm concrete pad;
- 600 sqm gravel pad;
- Water and electrical trench work.

Lagoon Dewatering Work - 6 for months /year for 5 years.

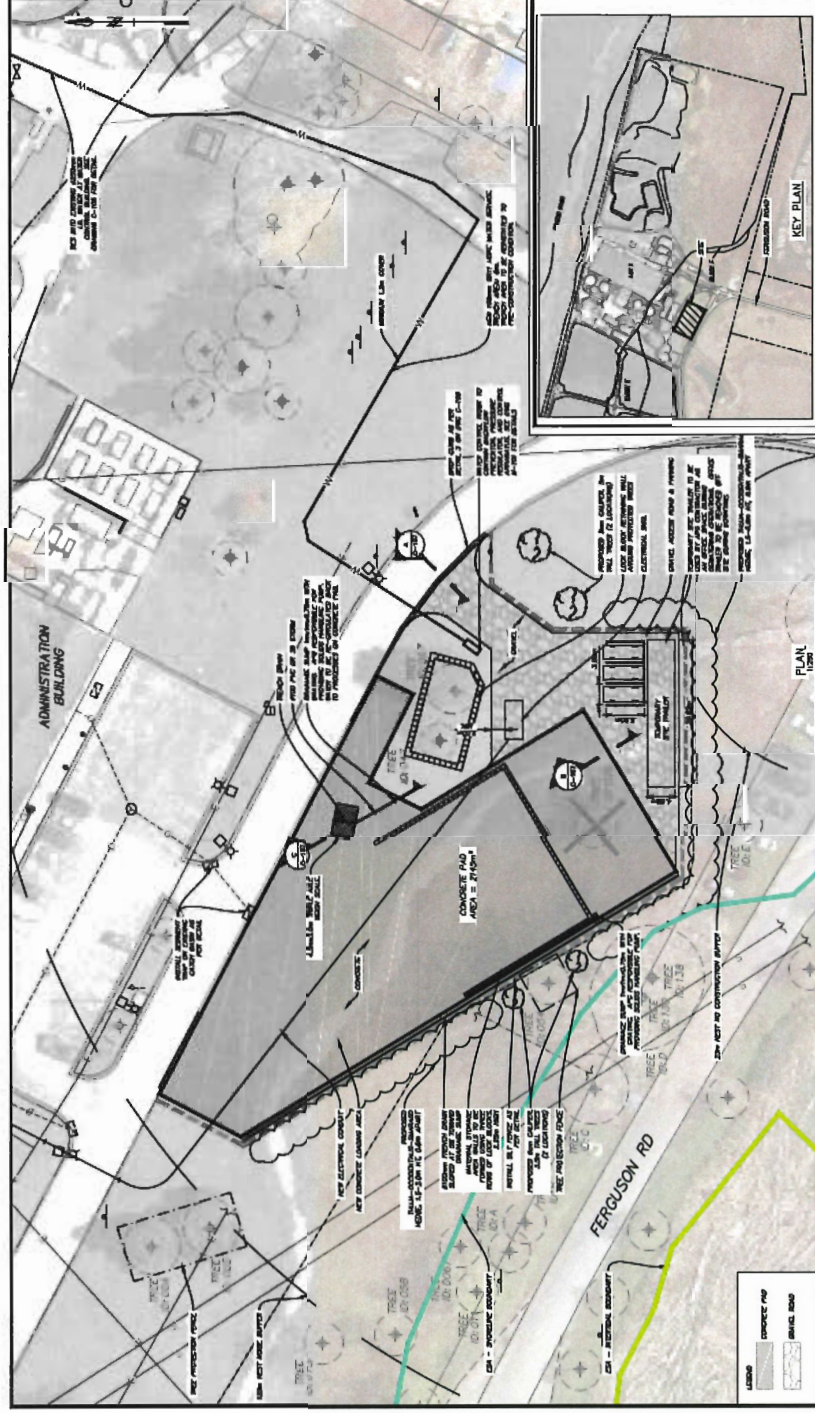
Space allowed for 1 trailer, parking and dewatering equipment.

Landscape Screening proposed for the Dewatering Pad

Birch Trees #20, #21 removed – Replaced at a ratio of 2:1 on site.

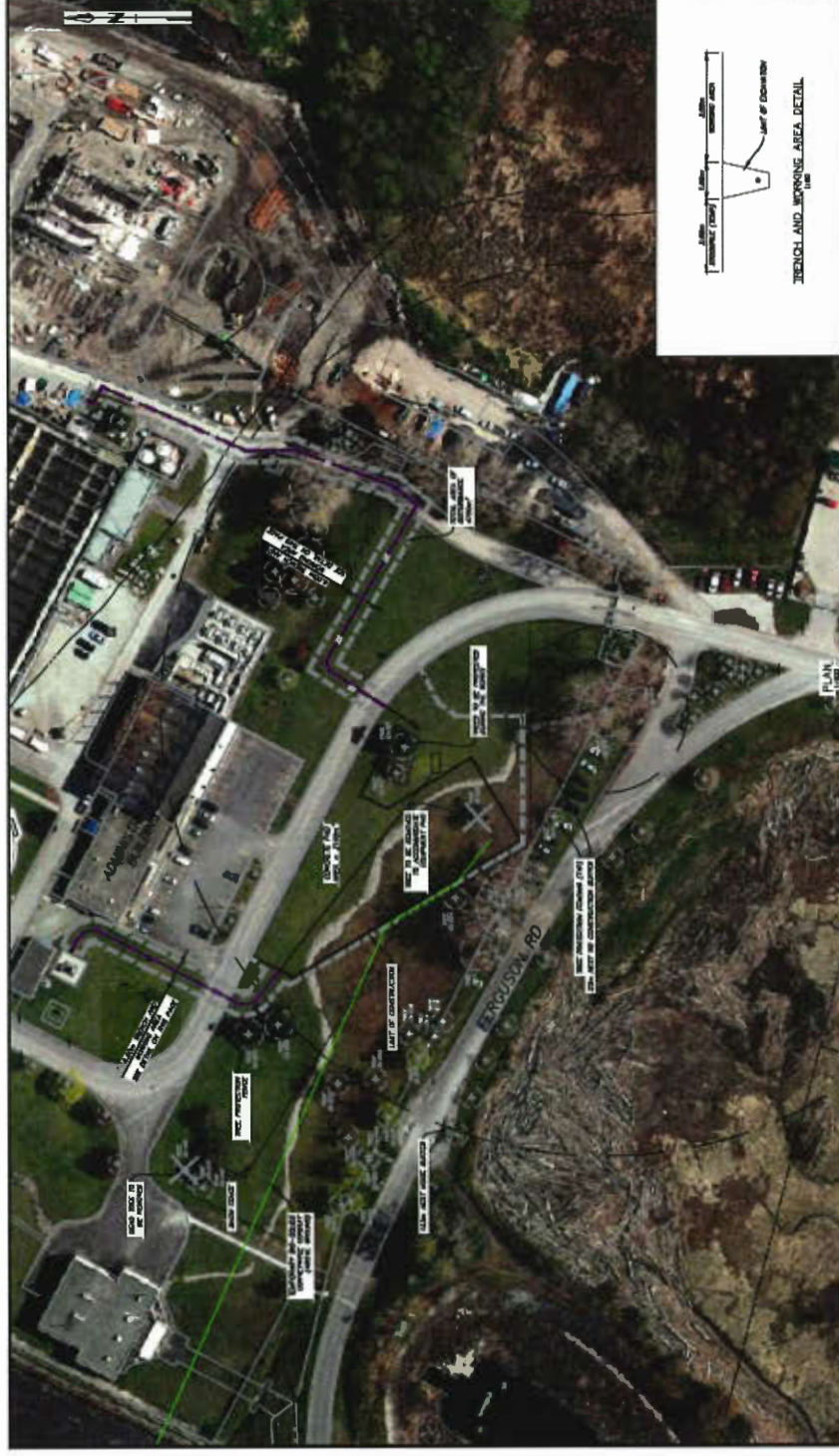


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Plan #2

IIWWTP – Temporary Dewatering Pad (DP 19-850320)



Dewatering Pad:

- screening, centrifugal and other equipment – mechanical dewatering of Biosolids.
- Lagoon Biosolids – conveyed by pump and pipe.
- Dewatered biosolids will be stockpiled on the pad and removed off site every day.



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Plan #2B

IIWWTP – Temporary Dewatering Pad (DP 19-850320)

Compensation:

- Canfor Point in Iona Beach Regional Park – in Green
- Area 3000 sqm
 - 200 trees
 - 2500 shrubs
- Success Criteria
 - 80% survival
 - Removal of invasive species



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Plan #3



Questions

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