



SUNSHINE COAST REGIONAL DISTRICT

Question and Answers #1

Request for Proposal No. 2438201

Wastewater Treatment Plant Upgrades at Woodcreek Park

Date: October 17, 2024

Item No.1 Section 11 01 00 Orenco AdvanTex A-100 Filtration System

Question: Who will be supplying pumps that are located inside the Wastewater Treatment Plant?

Answer: The Owner will supply the five (5) complete Orenco Advantex AX100 Filters, six (6) pumps, one (1) control panel, one (1) ventilation fan assembly.

Item No.2 Section 11 03 00 Packaged Lift Station Part 1 1.1 Summary

Question: Who will be supplying the (2) two grinder pumps for the packaged lift station?

Answer: The Contractor will be responsible for supplying, we have provided (1) one vendor's contact information however the Contractor may propose equivalent equipment for consideration as an approved equal.

Item No.3 Section 26 05 00 Common Work Results for Electrical 1.3 Action and Information Submittals

Question: In item 1.3.1.1 it states that we need to "Submit drawings stamped and signed by a professional engineer registered or licensed in BC, Canada" is this the responsibility of the Contractor? And if yes, what are the electrical requirements?

Answer: It is the Contractor's responsibility to provide stamped and signed submittals for their scope of work (i.e., Orenco System or Lift Station).

Item No.4 Section 31 23 33.01 Excavating, Trenching and Backfilling Item 1.5 .4 Quality Assurance and 3.5 Cofferdams, Shoring, Bracing and Underpinning and Item 3.10 Backfilling

Question: Could you please provide additional details about the shoring requirements and if it is needed?

Answer: It's up to the Contractor to decide on the construction method to be used.

Item No.5 Section 11 03 00 Packaged Lift Station

Question: Do we need to add a new controller, or will the new controller be supplied by the Owner?

Answer: The Packaged Lift Station will be standalone and will have its own control panel. Pump run status, fault and high - and low-level alarms must be communicated to the Orenco Control Panel. The Contractor is responsible for the supply and installation of such wire between the two (2) panels.

Item No.6 Section 02 41 13 Selective Demolition and Drawing No VP23-SCR-02-00-C2

Question: For the demolition work does that mean just the removal of the pipe from the existing Water Treatment Pump House?

Answer: No, the demolition work required includes in general what's necessary to install the new Orenco systems, not only the existing pipes and pump in the pump house but also the piping and sand filter media of the existing sand recirculation filters where the Orenco system will be located at. See the demolition drawings for additional clarity.

Item No.7 Section 33 31 11 Sanitary Sewer and Force Mains Item 1.7 Scheduling

Question: When installing the new manhole and the associated screen where will the sewage go?

Answer: Refer to Specification Section 01 35 00, Clause 1.2 for details.

Item No.8 Dayton Knight Drawing 28.143.2

Question: Drawings ask for masonry drop blocks; can we use alternatives?

Answer: Dayton Knight Drawings were provided for information only. Modifications to the existing pump house structure are not expected.

Item No.9 Section 11 03 00 Packaged Lift Station and Division 11 Process Equipment and Section 01 11 00 Summary of Work

Question: For the Packaged Lift Station is it Contractor supplied?

Answer: Yes, the Contractor will supply and install one (1) packaged Lift Station with (2) two grinder pumps fabricated by Engineered Pump Systems or approved equivalent.

Item No.10 Section 11 01 00 Orenco AdvanTex AX-100 Filter System

Question: For the Owner supplied equipment can you please provide details about the inclusions and exclusions. Such as will it be delivered to site or will we have to pick it up, do you have the equipment currently or is it on order and what is the ETA, how many hours of support will we be getting from the manufacturer, when will it be available as we need this information to respond to the RFP. Can you please provide us the details of the agreement.?

Answer: The Owner has ordered the units to be delivered to site.

Inclusions: Five complete Orenco AdvanTex AX-100 filters, pumps, fan, control panel floats and recirculation splitter valve.

Exclusions: Riser-to-tank adapters & adhesive and piping from pumphouse to filters and from filters to recirculation tank.

The Owner will coordinate with the contractor for delivery to the site on an agreed date and time. Receiving and storing the Orenco AX-100 systems on site is the Contractor's responsibility. Refer to Specification

Section 01 1400 Clause 1.5 for details on Contractor's responsibility.

Item No.11 Section 11 01 00 Orenco AdvanTex AX-100 Filter System 1.5 Quality Assurance Item .2

Question: Can you please provide more details on "Installer required to complete necessary training offered by Orenco." What does it mean by the Contractor will need to complete the training supplied by the manufacturer, how long is the training?

Answer: Approximately one (1) day of online training or remote training offered by Orenco to provide guidance and oversight.

Item No.12 Division 26 Electrical

Question: In terms of electrical do we have any concerns related to the available service on site and will there be any interactions with BC Hydro?

Answer: Interactions with BC Hydro are not expected as the existing panel is understood to have enough capacity, but some upgrades are required as noted below.

ELECTRICAL SCHEDULE											
NO.	DESCRIPTION	UNIT	QTY	AMOUNT	NO.	DESCRIPTION	UNIT	QTY	AMOUNT	NO.	DESCRIPTION
1	40A 2P	1	1	1.00	1	40A 2P	1	1	1.00	1	40A 2P
2	60A 2P	1	1	1.00	2	60A 2P	1	1	1.00	2	60A 2P
3	100A 2P	1	1	1.00	3	100A 2P	1	1	1.00	3	100A 2P
4	15A 1P	1	1	1.00	4	15A 1P	1	1	1.00	4	15A 1P
5	20A 2P	1	1	1.00	5	20A 2P	1	1	1.00	5	20A 2P
6	250A 2P	1	1	1.00	6	250A 2P	1	1	1.00	6	250A 2P
7	400A 2P	1	1	1.00	7	400A 2P	1	1	1.00	7	400A 2P
8	600A 2P	1	1	1.00	8	600A 2P	1	1	1.00	8	600A 2P
9	800A 2P	1	1	1.00	9	800A 2P	1	1	1.00	9	800A 2P
10	1000A 2P	1	1	1.00	10	1000A 2P	1	1	1.00	10	1000A 2P
11	1250A 2P	1	1	1.00	11	1250A 2P	1	1	1.00	11	1250A 2P
12	1500A 2P	1	1	1.00	12	1500A 2P	1	1	1.00	12	1500A 2P
13	1750A 2P	1	1	1.00	13	1750A 2P	1	1	1.00	13	1750A 2P
14	2000A 2P	1	1	1.00	14	2000A 2P	1	1	1.00	14	2000A 2P
15	2250A 2P	1	1	1.00	15	2250A 2P	1	1	1.00	15	2250A 2P
16	2500A 2P	1	1	1.00	16	2500A 2P	1	1	1.00	16	2500A 2P
17	2750A 2P	1	1	1.00	17	2750A 2P	1	1	1.00	17	2750A 2P
18	3000A 2P	1	1	1.00	18	3000A 2P	1	1	1.00	18	3000A 2P
19	3250A 2P	1	1	1.00	19	3250A 2P	1	1	1.00	19	3250A 2P
20	3500A 2P	1	1	1.00	20	3500A 2P	1	1	1.00	20	3500A 2P
21	3750A 2P	1	1	1.00	21	3750A 2P	1	1	1.00	21	3750A 2P
22	4000A 2P	1	1	1.00	22	4000A 2P	1	1	1.00	22	4000A 2P
23	4250A 2P	1	1	1.00	23	4250A 2P	1	1	1.00	23	4250A 2P
24	4500A 2P	1	1	1.00	24	4500A 2P	1	1	1.00	24	4500A 2P
25	4750A 2P	1	1	1.00	25	4750A 2P	1	1	1.00	25	4750A 2P
26	5000A 2P	1	1	1.00	26	5000A 2P	1	1	1.00	26	5000A 2P
27	5250A 2P	1	1	1.00	27	5250A 2P	1	1	1.00	27	5250A 2P
28	5500A 2P	1	1	1.00	28	5500A 2P	1	1	1.00	28	5500A 2P
29	5750A 2P	1	1	1.00	29	5750A 2P	1	1	1.00	29	5750A 2P
30	6000A 2P	1	1	1.00	30	6000A 2P	1	1	1.00	30	6000A 2P
31	6250A 2P	1	1	1.00	31	6250A 2P	1	1	1.00	31	6250A 2P
32	6500A 2P	1	1	1.00	32	6500A 2P	1	1	1.00	32	6500A 2P
33	6750A 2P	1	1	1.00	33	6750A 2P	1	1	1.00	33	6750A 2P
34	7000A 2P	1	1	1.00	34	7000A 2P	1	1	1.00	34	7000A 2P
35	7250A 2P	1	1	1.00	35	7250A 2P	1	1	1.00	35	7250A 2P
36	7500A 2P	1	1	1.00	36	7500A 2P	1	1	1.00	36	7500A 2P
37	7750A 2P	1	1	1.00	37	7750A 2P	1	1	1.00	37	7750A 2P
38	8000A 2P	1	1	1.00	38	8000A 2P	1	1	1.00	38	8000A 2P
39	8250A 2P	1	1	1.00	39	8250A 2P	1	1	1.00	39	8250A 2P
40	8500A 2P	1	1	1.00	40	8500A 2P	1	1	1.00	40	8500A 2P
41	8750A 2P	1	1	1.00	41	8750A 2P	1	1	1.00	41	8750A 2P
42	9000A 2P	1	1	1.00	42	9000A 2P	1	1	1.00	42	9000A 2P
43	9250A 2P	1	1	1.00	43	9250A 2P	1	1	1.00	43	9250A 2P
44	9500A 2P	1	1	1.00	44	9500A 2P	1	1	1.00	44	9500A 2P
45	9750A 2P	1	1	1.00	45	9750A 2P	1	1	1.00	45	9750A 2P
46	10000A 2P	1	1	1.00	46	10000A 2P	1	1	1.00	46	10000A 2P
47	10250A 2P	1	1	1.00	47	10250A 2P	1	1	1.00	47	10250A 2P
48	10500A 2P	1	1	1.00	48	10500A 2P	1	1	1.00	48	10500A 2P
49	10750A 2P	1	1	1.00	49	10750A 2P	1	1	1.00	49	10750A 2P
50	11000A 2P	1	1	1.00	50	11000A 2P	1	1	1.00	50	11000A 2P
51	11250A 2P	1	1	1.00	51	11250A 2P	1	1	1.00	51	11250A 2P
52	11500A 2P	1	1	1.00	52	11500A 2P	1	1	1.00	52	11500A 2P
53	11750A 2P	1	1	1.00	53	11750A 2P	1	1	1.00	53	11750A 2P
54	12000A 2P	1	1	1.00	54	12000A 2P	1	1	1.00	54	12000A 2P
55	12250A 2P	1	1	1.00	55	12250A 2P	1	1	1.00	55	12250A 2P
56	12500A 2P	1	1	1.00	56	12500A 2P	1	1	1.00	56	12500A 2P
57	12750A 2P	1	1	1.00	57	12750A 2P	1	1	1.00	57	12750A 2P
58	13000A 2P	1	1	1.00	58	13000A 2P	1	1	1.00	58	13000A 2P
59	13250A 2P	1	1	1.00	59	13250A 2P	1	1	1.00	59	13250A 2P
60	13500A 2P	1	1	1.00	60	13500A 2P	1	1	1.00	60	13500A 2P
61	13750A 2P	1	1	1.00	61	13750A 2P	1	1	1.00	61	13750A 2P
62	14000A 2P	1	1	1.00	62	14000A 2P	1	1	1.00	62	14000A 2P
63	14250A 2P	1	1	1.00	63	14250A 2P	1	1	1.00	63	14250A 2P
64	14500A 2P	1	1	1.00	64	14500A 2P	1	1	1.00	64	14500A 2P
65	14750A 2P	1	1	1.00	65	14750A 2P	1	1	1.00	65	14750A 2P
66	15000A 2P	1	1	1.00	66	15000A 2P	1	1	1.00	66	15000A 2P
67	15250A 2P	1	1	1.00	67	15250A 2P	1	1	1.00	67	15250A 2P
68	15500A 2P	1	1	1.00	68	15500A 2P	1	1	1.00	68	15500A 2P
69	15750A 2P	1	1	1.00	69	15750A 2P	1	1	1.00	69	15750A 2P
70	16000A 2P	1	1	1.00	70	16000A 2P	1	1	1.00	70	16000A 2P
71	16250A 2P	1	1	1.00	71	16250A 2P	1	1	1.00	71	16250A 2P
72	16500A 2P	1	1	1.00	72	16500A 2P	1	1	1.00	72	16500A 2P
73	16750A 2P	1	1	1.00	73	16750A 2P	1	1	1.00	73	16750A 2P
74	17000A 2P	1	1	1.00	74	17000A 2P	1	1	1.00	74	17000A 2P
75	17250A 2P	1	1	1.00	75	17250A 2P	1	1	1.00	75	17250A 2P
76	17500A 2P	1	1	1.00	76	17500A 2P	1	1	1.00	76	17500A 2P
77	17750A 2P	1	1	1.00	77	17750A 2P	1	1	1.00	77	17750A 2P
78	18000A 2P	1	1	1.00	78	18000A 2P	1	1	1.00	78	18000A 2P
79	18250A 2P	1	1	1.00	79	18250A 2P	1	1	1.00	79	18250A 2P
80	18500A 2P	1	1	1.00	80	18500A 2P	1	1	1.00	80	18500A 2P
81	18750A 2P	1	1	1.00	81	18750A 2P	1	1	1.00	81	18750A 2P
82	19000A 2P	1	1	1.00	82	19000A 2P	1	1	1.00	82	19000A 2P
83	19250A 2P	1	1	1.00	83	19250A 2P	1	1	1.00	83	19250A 2P
84	19500A 2P	1	1	1.00	84	19500A 2P	1	1	1.00	84	19500A 2P
85	19750A 2P	1	1	1.00	85	19750A 2P	1	1	1.00	85	19750A 2P
86	20000A 2P	1	1	1.00	86	20000A 2P	1	1	1.00	86	20000A 2P
87	20250A 2P	1	1	1.00	87	20250A 2P	1	1	1.00	87	20250A 2P
88	20500A 2P	1	1	1.00	88	20500A 2P	1	1	1.00	88	20500A 2P
89	20750A 2P	1	1	1.00	89	20750A 2P	1	1	1.00	89	20750A 2P
90	21000A 2P	1	1	1.00	90	21000A 2P	1	1	1.00	90	21000A 2P
91	21250A 2P	1	1	1.00	91	21250A 2P	1	1	1.00	91	21250A 2P
92	21500A 2P	1	1	1.00	92	21500A 2P	1	1	1.00	92	21500A 2P
93	21750A 2P	1	1	1.00	93	21750A 2P	1	1	1.00	93	21750A 2P
94	22000A 2P	1	1	1.00	94	22000A 2P	1	1	1.00	94	22000A 2P
95	22250A 2P	1	1	1.00	95	22250A 2P	1	1	1.00	95	22250A 2P
96	22500A 2P	1	1	1.00	96	22500A 2P	1	1	1.00	96	22500A 2P
97	22750A 2P	1	1	1.00	97	22750A 2P	1	1	1.00	97	22750A 2P
98	23000A 2P	1	1	1.00	98	23000A 2P	1	1	1.00	98	23000A 2P
99	23250A 2P	1	1	1.00	99	23250A 2P	1	1	1.00	99	23250A 2P
100	23500A 2P	1	1	1.00	100	23500A 2P	1	1	1.00	100	23500A 2P
101	23750A 2P	1	1	1.00	101	23750A 2P	1	1	1.00	101	23750A 2P
102	24000A 2P	1	1	1.00	102	24000A 2P	1	1	1.00	102	24000A 2P
103	24250A 2P	1	1	1.00	103	24250A 2P	1	1	1.00	103	24250A 2P
104	24500A 2P	1	1	1.00	104	24500A 2P	1	1	1.00	104	24500A 2P
105	24750A 2P	1	1	1.00	105	24750A 2P	1	1	1.00	105	24750A 2P
106	25000A 2P	1	1	1.00	106	25000A 2P	1	1	1.00	106	25000A 2P
107	25250A 2P	1	1	1.00	107	25250A 2P	1	1	1.00	107	25250A 2P
108	25500A 2P	1	1	1.00	108	25500A 2P	1	1	1.00	108	25500A 2P
109	25750A 2P	1	1	1.00	109	25750A 2P	1	1	1.00	109	25750A 2P
110	26000A 2P	1	1	1.00	110	26000A 2P	1	1	1.00	110	26000A 2P
111	26250A 2P	1	1	1.00	111						

Item No. 15 Section 01 10 00 General Requirements Item 1.5 Permits and Fees and Section 31 23 33.01 and Excavating, Trenching and Backfilling Item 3.5 Cofferdams, Shoring, Bracing and Underpinning .2, .6 .4 .1

Question: Are there any permitting requirements?

Answer: Refer to the specifications Section 01 10 00 Clause 1.5 for details.

Item No.16

Question: Is the manual bar screen Contractor supplied?

Answer: Yes, we have provided contact information for the supplier, but alternatives will be considered.

Item No. 17 Section 11 02 00 Manual Bar Screen Item 1.1 .1

Question: Has the Owner already selected the Manual Bar Screen?

Answer: No, the Contractor may propose an equivalent alternative Manual Bar Screen to the proposed one (1) detailed out in this section.

Item No. 18 Drawing VP23-SCR-02-00-S1 Rev 0

Question: For the design of the channel lifting mechanism, is the concrete wall coming into the channel as the design is unclear.

Answer: Section C on the drawing clearly shows the reinforcing part is only 250 mm down into the channel. It will be located at the opposite side as shown to not obstruct the movement of the screen.

Item No.19 Drawing VP23-SCR-01-S1

Question: For the two pipes from the screen channels directly tie into the manhole downstream?

Answer: No, it's preferred the two pipes join together before tie into the lift station wet well (not the manhole) to avoid two penetrations on the wall.

Item No.20 Section 11 01 00 Orenco AdvanTex AX-100 Filter System Item 3.8 and Section 11 03 00 Packaged and Lift Station Item 3.4 and Section 31 00 00.01 Earthworks and Related Work Item 1.3 and Item 3.4 and Section 31 and 23 33.01 Excavating, Trenching and Backfilling Item 2.5, Item 3.3, Item 3.10 and Section 33 31 11 Sanitary Sewer and Force Main Item 2.5, Item 3.3, Item 3.6, Item 3.7

Question: Are there any requirements about backfilling?

Answer: Yes, please see the specifications for backfilling on structural drawing and specification section 31 23 33 01. Also, there are backfilling requirements, when applicable, under individual section of specifications.

Item No.21 General

Question: Do you feel like you have adequate budget for the project especially with the timelines?

Answer: Yes, we have been in contact with our Engineer who has provided us with a cost estimate for the services and we have obtained adequate pre-approval for the project, we anticipate that we will present this at the November 28th board meeting for contract award.

Item No.22 Division 26 Electrical

Question: Do you know if the meter connected to the BC Hydro pole at the corner of this property is only for this single lot?

Answer: It is not known if this meter is only for this single lot.

Item No.23 Division 02 Exiting Site Conditions

Question: There appears to be some gravel on the property instead of grass, do you know when this work was completed?

Answer: Unknown, it is not new it has been this way since 2017. The area surrounds the water service is for piping that goes towards the road and not the pump house.

Item No.24 Division 26 Electrical 1.3 Action and Informational Submittals Item .4

Question: Do you need an electrician or a professional electrical engineer, the specifications and drawings state "Submit drawings stamped and signed by professional engineer registered or licensed in BC, Canada" it is our understanding that the extent of the work is minimal could be signed off by an electrician instead?

Answer: Stamped drawings, when applicable, are expected under Section 26 05 31. Electrical shop drawings for the lift station need to be stamped by a professional engineer registered in BC, Canada.

Item No. 25 Section 01 10 00 General Requirements Item 1.6 Work Area

Question: If we were required to close Oceanview Drive to vehicle traffic could the Residents in the area get around the road closure?

Answer: No.