REGIONAL DISTRICT OF NANAIMO

REQUEST FOR PROPOSALS No. 22-013

PROFESSIONAL ENGINEERING SERVICES FOR The Design of Nanoose Additional Reservoir and Upgrade of Arbutus Park Booster Pump Station

Addendum 2
Issued: April 27, 2022

Closing Date & Time: on or before 3:00 PM Pacific Time on May 3rd, 2022

This addendum shall be read in conjunction with and considered as an integral part of the Request for Proposal. Revisions supersede the information contained in the original Proposal or previously issued Addendum. No consideration will be allowed for any extras due to any Proponent not being familiar with the contents of this Addendum. All other terms and conditions remain the same.

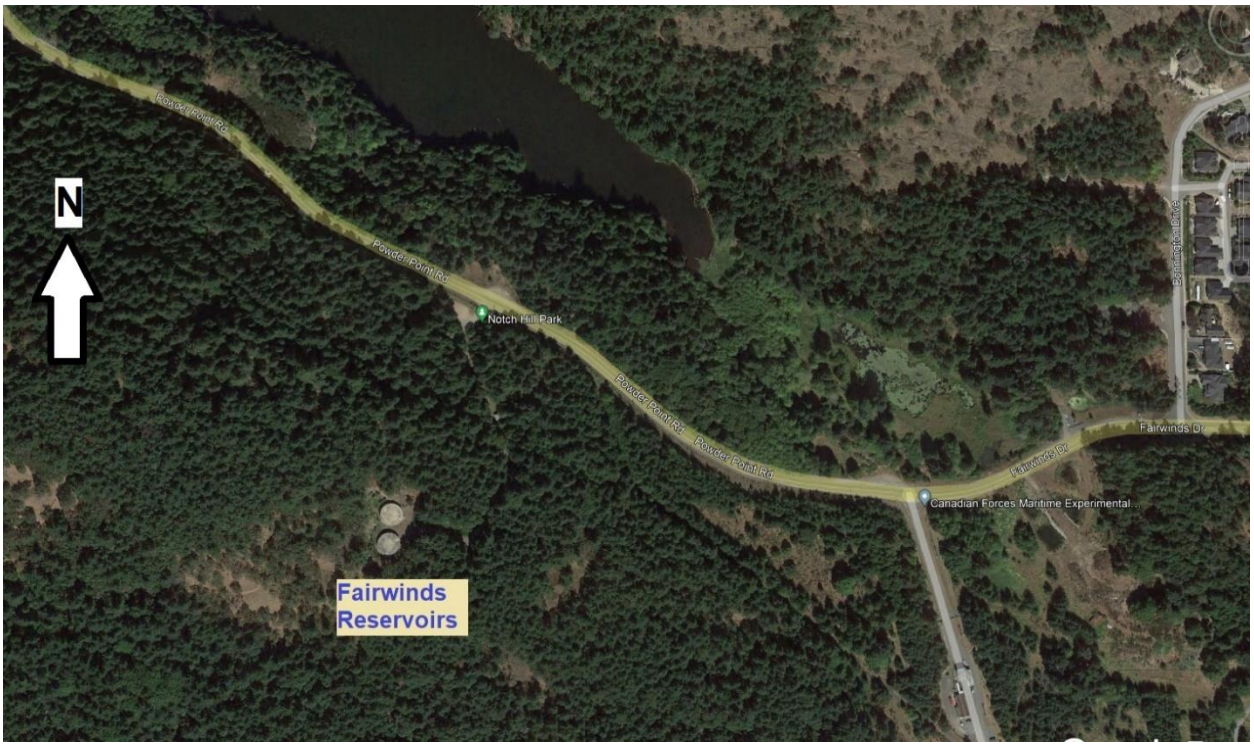
Questions and Answers

Question No. 1: Can you please provide the manufacturers shop drawings or mechanical drawings for pump station?
Answer: Manufacturers shop drawings for the existing Arbutus Booster Pump Station is not available. We have included the pump and motor details, that are available, in the RFP.

Question No. 2: Can you provide the record drawings of the Arbutus Reservoir?
Answer: Arbutus Reservoir record drawings are attached here.

Question No. 3: Can you confirm current and proposed location of the booster pump station southeast of the Powder Point Rd/Anchor Way intersection?
Answer: The current location of the Booster pump station is at the southeast side of the intersection of Fairwinds Dr and Anchor Way Intersection (Coordinate: 49.278348°, -124.167344°). The upgraded pump station is planned to be at the same location as the existing booster pump station.

Question No. 4: Can you confirm the proposed reservoir location is in the undeveloped area adjacent to the west of Fairwinds Dr/Granville Rd intersection?
Answer: The proposed reservoir will be located adjacent or very close to the existing Fairwinds reservoirs at the same location. The coordinate for the existing two Fairwinds Reservoirs is given in the RFP. A google earth screenshot is provided below to help locate the existing two Fairwinds Reservoirs.



Question No. 5: Is there a copy of the Geotechnical Report available for the Existing Fairwinds Reservoir Site?
Answer: We don't have any geotechnical report available for that area.

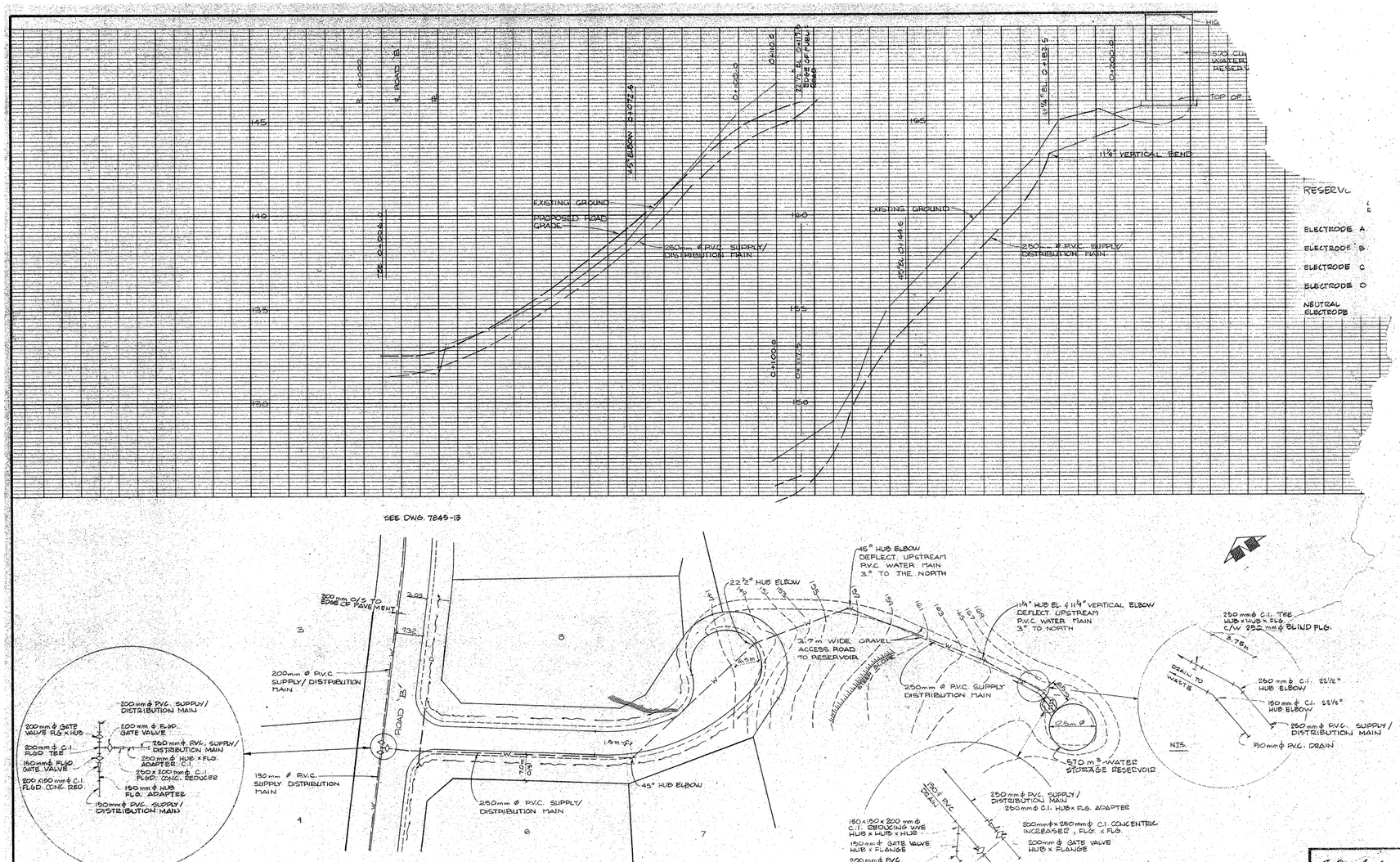
Question No. 6: Is the RDN firm on designing the new reservoir as Reinforced Concrete reservoir or still open to investigate other reservoir type such as bolted steel etc.?
Answer: We are conducting this RFP for the design of the Reinforced Concrete Reservoir and proponents must submit their proposal and cost accordingly. However, once the successful proponent is selected, the contract is awarded and the project work has started, if successful proponent can provide proof that there are better alternative options available than Reinforced Concrete reservoir, we will be open to review those options at that time.

Question No. 7: Have the options of extending the Arbutus Park Reservoir to add additional reservoir capacity be investigated?
Answer: Arbutus Park reservoir is in poor condition and so, further increasing this reservoir height to include additional reservoir capacity has not been investigated. Additionally, Arbutus Park reservoir is located in 170 m HGL pressure zone. Increasing the height of the reservoir will require upgrading boosting capacity of the pump station. The technical and cost feasibility

assessments of increasing the height of the existing Fairwinds Reservoirs are included in the scope of this project.

Question No. 8: Would it be possible to schedule a site visit prior to the proposal closing date?
Answer: We did not plan site visit as part of this RFP process. Proponents are welcome to visit the new reservoir site and booster pump station site by their own. The photo of the pump and motor inside the booster pump station kiosk is included with the RFP.

REGIONAL DISTRICT OF NANAIMO



OVERFLOW / DRAIN DETAIL
N.T.S.

CONFIRM
UNDERGROUND
LOCATION WITH
UTILITY COMPANIES

LEGEND – Existing services shown solid							
STANDARD MOUNT	▷175 W ▷250 W ▷400 W ◇ COBRA 175 W	CURB	—C—	SIDEWALK	S/W	SILT TRAP	VALVE
POLE MOUNT	○175 W ○250 W ○400 W	DITCH	→D→	WATER	—W—	CONC. BOX	FLUSH VALVE
EXISTING U/G UTILITIES		DRAIN	—D—			WOODBOX	HYDRANT
PROPOSED U/G UTILITIES		GAS	—G—	MANHOLE		CATCHBASIN	REDUCER
		SEWER	—S—	CLEANOUT		CAP	PLUG

REVISIONS			
3			
2			
1			

REVISIONS APPROVED								
REVISION # 1			REVISION # 2			REVISION # 3		
APP.	DATE	SIGN	APP.	DATE	SIGN	APP.	DATE	SIGN
DESIGN ENG.			DESIGN ENG.			DESIGN ENG.		
ASSIST. ENG.			ASSIST. ENG.			ASSIST. ENG.		
MUNICIPAL ENG.			MUNICIPAL ENG.			MUNICIPAL ENG.		

DESIGN APPROVED		
EXCEPTIONS		
APPROVED BY	DATE	SIGN
DESIGN ENG.		
ASSIST. ENG.		
MUNICIPAL ENG.		

PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA
P. M. ELLIOTT
2.8.81

J.E. Anderson and Associates
SURVEYORS ENGINEERS
VICTORIA NANAIMO

ARBUTUS PARK ESTATES LIMITED

POWDER POINT ROAD
WATER SUPPLY SYSTEM

DRAWN D.L.D.	DESIGN R.M.S.	APPD.	
SCALE 1:500 HOR, 1:10 VER.	DATE	APPD.	

DRAWING
RESERVOIR SITE PLAN

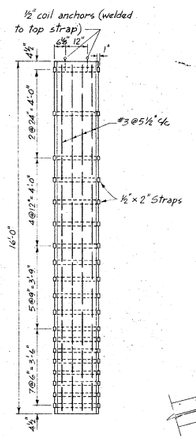
MUN FILE | MUN DWG.

NOV 28 1981

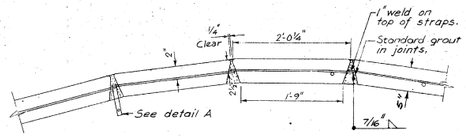
AB-028

AB-028

Arbutus Park Estates Ltd.

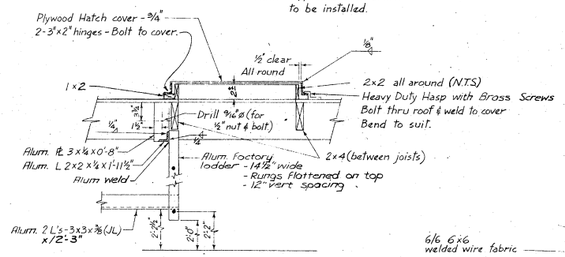


STAVE ELEVATION
Scale: ⅜"=1'-0"

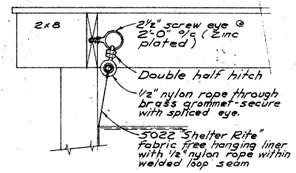


STAVE SECTION
Scale: 1"=1'-0"

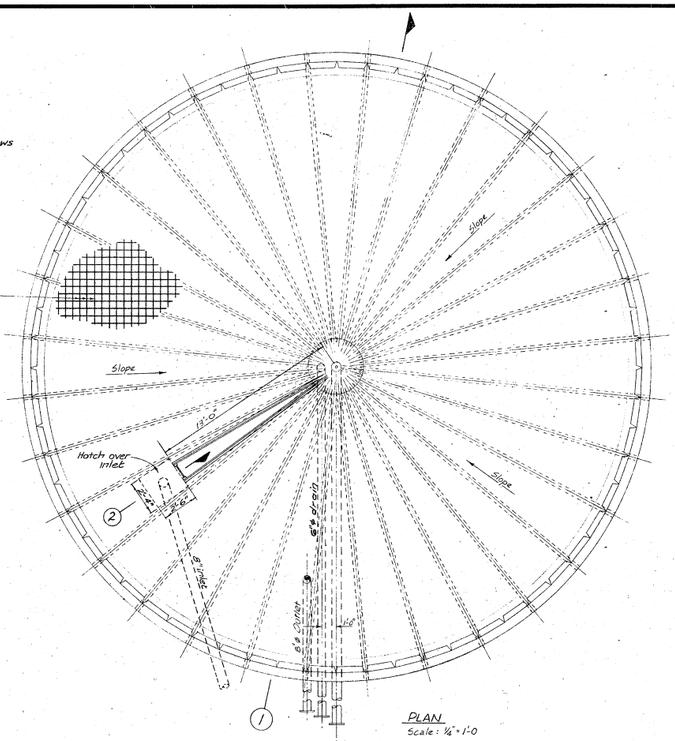
Note: Approved hatch brace to be installed.



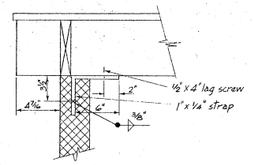
SECTION 2
Scale: 1"=1'-0"



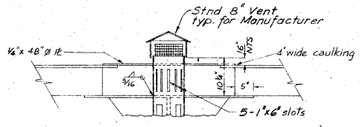
LINER FASTENING DETAIL
Scale 1½"=1'-0



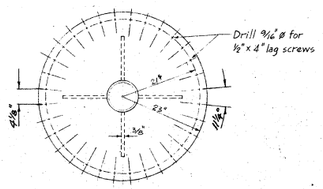
PLAN
Scale: ⅛"=1'-0



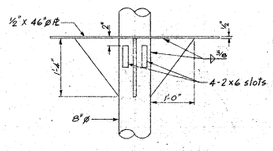
DETAIL 'A'
scale: 1½"=1'-0"



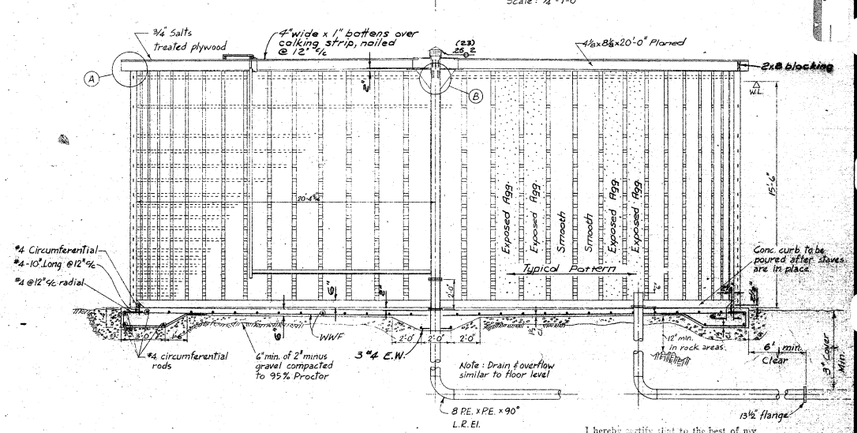
VENT DETAIL Scale: ¾"=1'-0"



PLAN



ELEVATION DETAIL 'B'
Scale: ¾"=1'-0"



SECTION 1

NOTES

1. All concrete is to be 3000 PSI @ 28 days, ¾" maximum aggregate, (20 MPa)
2. All reinforcing steel to be intermediate grade deformed bars, or equal.
3. All wood members are to be construction grade Douglas fir, rot proof treated.
4. All exposed steel is to be coated with galvacon or equal.
5. Structural steel is to be in accordance with specifications of C.S.A. G40.21-33W or ASTM A36.
6. Welding rod is to be E6010.
7. Welding is to be incorporated thru-out unless otherwise noted.
8. Snow load design ____ 50 p.s.f.
9. All piping 6"ø and 8"ø steel Schedule 40. Piping exposed within tank to be Galvanized or Galvacon. Piping buried to be bitumastic coated or wrapped.
10. Tank may be backfilled to 14' depth subject to engineers specifications.

I hereby certify that to the best of my knowledge these works are completed and constructed in accordance with this As-Constructed Drawing. APR 14 1982

No.	REVISION DESCRIPTION	DATE	BY
A	As Constructed	82.04.14	R.H.

DESIGN: A.T.
DRAWN: EWBR
CHECKED: A.T.
APPROVED:
DATE: 12 April 1981
SCALE:
FIELD BOOK No.

SEAL

WILLIS CUNLIFFE TAIT & Company Ltd.

VANCOUVER ISLAND TANK ASSEMBLERS LTD.
PROPOSED 125,000 IMPERIAL GALLON PRECAST TANK MODEL No. 64-16
ARBUTUS PARK ESTATES LTD.
NANOOSE, B. C.
AB-002

SHEET No. 1 OF 1 REV.
DRAWING No. 34-3959-A/48-1

AB-002

HO 220 W.C.T.

End of Addendum 2