Addendum # 2

To the Contract Specifications and Drawings for:
Regional District of Nanaimo
#22-041 Whiskey Creek Water Service Area
Transmission Main and Pump Station

MPE Engineering Ltd.
Suite 320, 6715 – 8 Street NE
Calgary, AB T2E 7H7

May 26, 2022

File: 9794-003-00

1. Precedence

This Addendum forms an integral part of the Contract Specifications and Drawings covering all aspects of this job and is to be read in conjunction therewith. However, should points arise which are at variance, this Addendum shall take precedence, unless otherwise clarified by the Engineer.

2. Purpose

This addendum provides specific clauses to add to and/or amend the specifications and/or drawings.

3. Cover Page

Replace: "Closing Date: Monday, May 30, 2022" with "Closing Date: Thursday, June 9, 2022".

4. Invitation to Tenderers

Replace: "Tender Closing Date: Monday, May 30, 2022" with "Tender Closing Date: Thursday, June 9, 2022".

5. Instructions to Tenderers Part 1

Replace: "Tender Closing Date: Monday, May 30, 2022" with "Tender Closing Date: Thursday, June 9, 2022".

6. Supplementary Specifications, 01 33 01 Project Record Documents, 1.10S – Tests and Inspections Quality Control By Contractor

Clarification: Compaction testing will not be required by the Contractor and will be coordinated through RDN. Contractor must coordinate with MPE throughout the project to ensure geotechnical services are required as needed. All other QC testing other than compaction testing will remain the responsibility of the Contractor.

7. Section 20 01 06 Mechanical Operation and Maintenance Manual

Remove: Under item 3.4 remove the requirement for "hot stamped lettering".

8. Drawing P24.2

Clarification: Butterfly valves shown on the downstream side of the distribution pumps (DP 232 and DP231) shall be gate valves as per Drawing P22.1.

9. Drawing S 23.1

Add the following notes:

> *"6. The Pump Station is a single slope shed style roof with a slope of 1:12. The roof measures approximately 6.4m x 3.6m and includes a 0.4m hangover on four sides of the building. Air/vapour barrier to be Blueskin peel and stick RF200HT. Metal roofing system installed to be compatible with a low slope roof. Roofing, fascia, soffit, trim, gutters, and downspouts all to be pre-finished metal and the same colour. Colour to be selected by owner from the manufactures standard range."*

10. Bidder Questions

1. Question: "*Can you please provide the construction budget of this project?"*

   Response: Construction Budget is currently set at $744,000.

2. Question: *"Is the fuel tank going to be empty? And will the owner be taking possession of the fuel tank on site or is it the contractors responsibility to move it to another location?"*

   Response: Contractor is responsible for emptying the fuel tank and moving the tank to the RDN shop at #8-1065 Herring Gull Way, Parksville, BC V9P 2N1.

3. Question: *"Will the owner be keeping the existing generator or is the contractor responsible for disposing of it?*

   Response: Contractor is responsible for disposing of the existing generator.

4. Question: *"Please provide more requirements for the backup for the backup booster station?"*

   Response:
   - 3 L/s at 70 psi, no fire flows required.
   - Control sufficient to maintain distribution pressure at setpoint (70 psi).
   - Trending/logging of reservoir level and distribution pressure when existing station controls are not available for trending/logging.
   - Alarm callout of low reservoir level and low distribution pressure when existing station controls are not available for alarming.
   - Redundant pumps and backup power required should temporary bypass be in place outside of regular working hours between 08:30 and 16:30h or for more than one day.

- Reservoir as-built drawing is attached to this addendum and is provided for information only.

5. Question: *"How long are we able to do shutdowns for the water change overs? Can they be daytime hours or does it have to be done after hours?*

   Response: Any water change longer than 30 minutes will require a water supply continuation plan to be put in place to ensure that water supply is available to the residents. Confine shutdowns between the hours of 08:30 and 16:30 h unless otherwise authorized. All temporary shutdown work is incidental to the Contract. No additional payment will be made for it.

6. Question: *"On drawing C12.9 shows the trench line detail. Please confirm if we are to assume that native backfill will be able to be reused or if import backfill will be required."*

   Response: As per supplementary specification 31 05 17 -2.13S, native material is acceptable. Pipe bedding and road structure based will need to be imported as needed.

7. Question: *"The drawings show 1m spacing between the watermain and the electrical lines as shown on drawings E11.1: a. Can you please confirm this spacing is to continue all the way back to the plant? b. If so can you please confirm that paving is required down Hebert Road and Popular Way? C. Please provide a paving specification."*

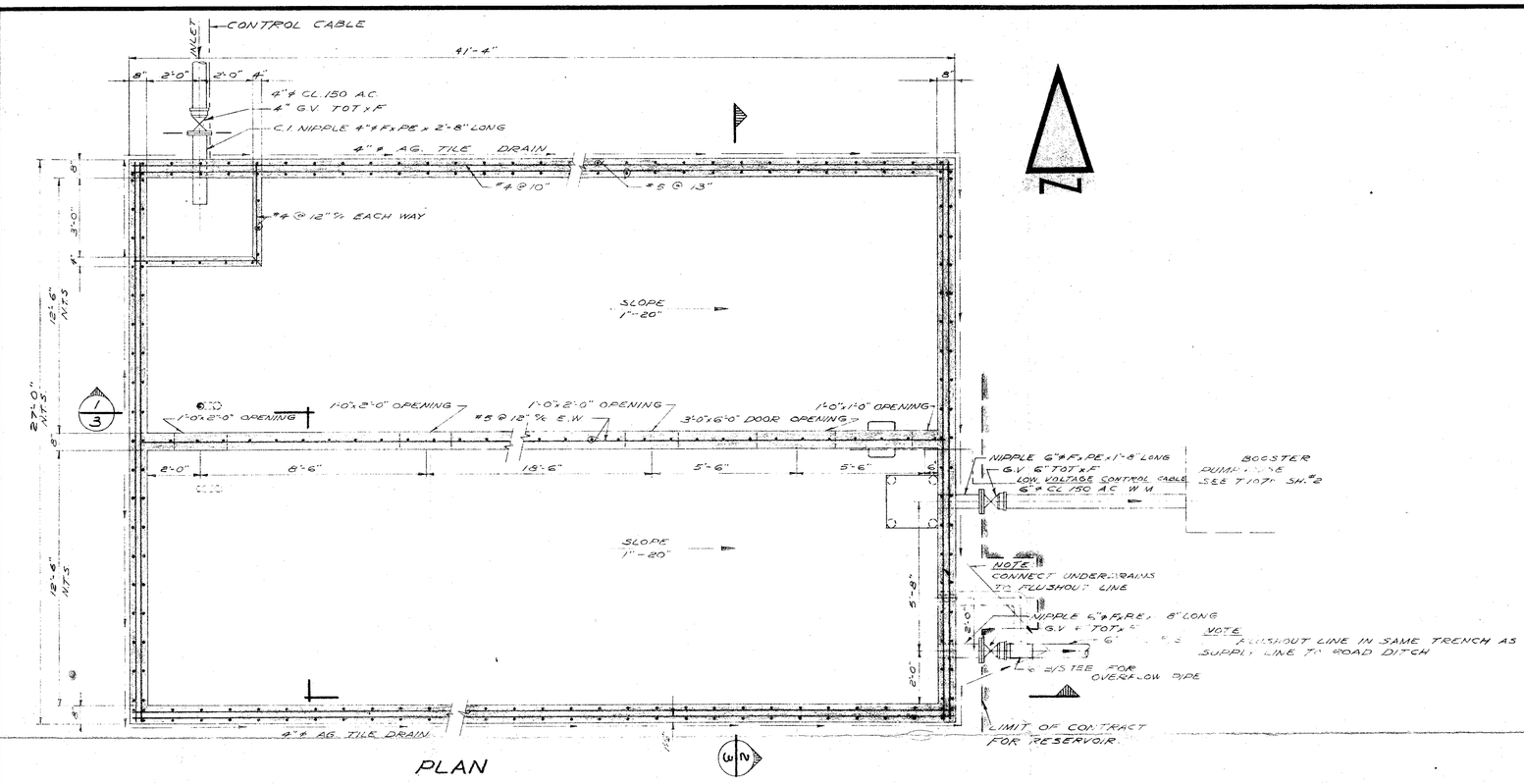
   Response:
   a. Yes, the 1 m separation should be maintained all the way to the plant.
   b. Yes, paving is required on both Hebert Road and Poplar Way.
   c. Asphalt material and placement must meet or exceed specified requirements as set out in Section 502 of the MC MoTI 2020 Standard Specifications for Highway Construction.

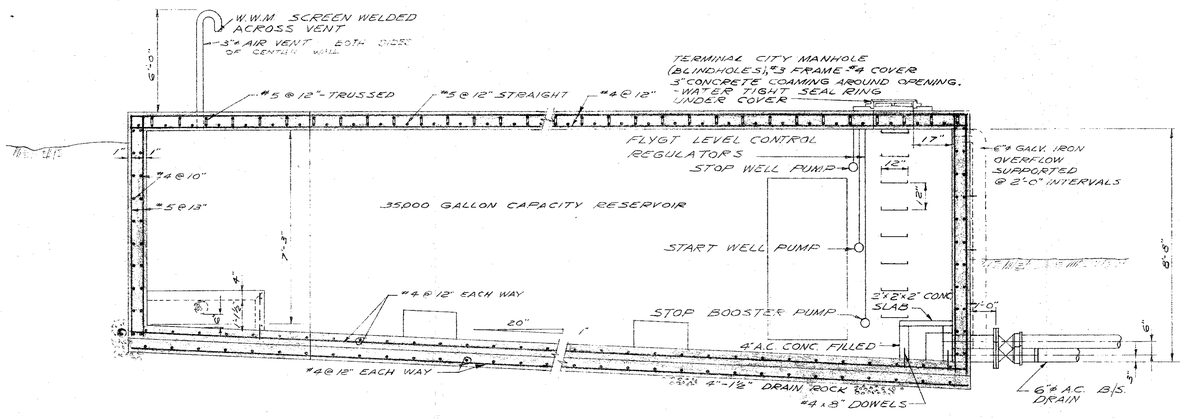
   Clarification: Pavement edges must be cut, made true and straight, cleaned, and primed before installing a final patch. Where asphalt is disturbed, the distance from a pavement cut to the edge of the trench must be at least 300 mm or sufficient to ensure the pavement will not be undermined by sloughing or condition of the existing adjacent asphalt. Asphalt concrete must be restored to the same thickness as the existing surface or to a minimum of 75 mm thickness, whichever is greater. Asphaltic concrete must meet Ministry standards as set out in Section 502, Standard Specifications for Highway Construction. Asphalt concrete is to be laid in two or more lifts or layers. Each lift is to be thoroughly compacted before successive lifts are applied. The contractor will ensure that the permanent pavement patch is to the Ministry of Transportation and Infrastructure standards for one year from the date that the patch is installed. Trenches must be backfilled or adequately covered at the end of the work day,

8. Question: *"Can you please clarify what equipment manufacturers are required to attend?*

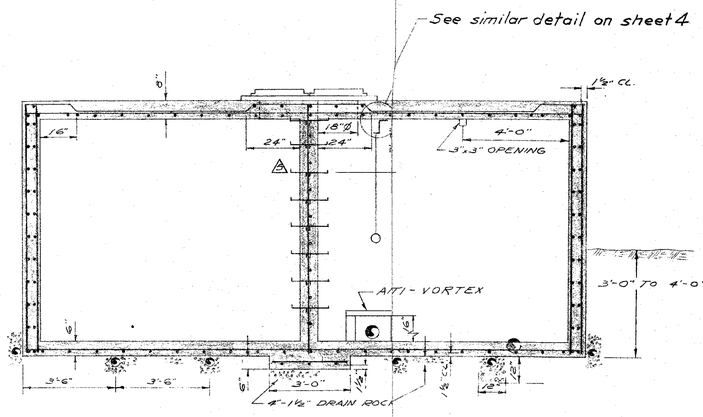
   Response: For commissioning, the pump supplier shall be required. This is in addition to coordination with the generator supplier for start-up.

END OF ADDENDUM





1/3 SECTION



2/3 SECTION

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

JUN 30 1982

NO.	DATE	REVISIONS	BY	APPR.
6	10/6/82	As Constructed	J.S.D.	
5	13/6/72	ADDED ONE MANHOLE COVER & LADDER	J.S.D.	
4	15/6/72	REVISED & RETITLED "SECTION" TO "SECTION 1/3"	J.S.D.	
3	12/6/72	ADDED 3" ø VENT & CHANGED "PLAN" TO "PLAN 1/3"	J.S.D.	
2	17/5/72	ANTI-VORTEX & FLYGT CONTROL ADDED	J.S.D.	
1	31/1/72	RESERVOIR CAPACITY ENLARGED	J.S.D.	

EXISTING | LEGEND | PROPOSED

NOTES:
1. CONCRETE ——— 3000 P.S.I. AT 28 DAYS
2. REINFORCING ——— INTERMEDIATE GRADE DEFORMED BARS
3. REINFORCING — RUNS 12" AROUND CORNERS
4. ALL HORIZONTAL STEEL ——— 1½" FROM OUTSIDE WALLS
5. FOR SITE PLAN SEE T-1070 SHEET #1
6. ALL CONCRETE AND REBAR CONFORMS TO LATEST C.S.A. SPECIFICATIONS.

DESIGN: B.T.
DRAWN: J.S.D.
CHECKED:
APPROVED:
DATE: SEPT 14/71
SCALE: 3/8" = 1'-0"
FIELD BOOK No.

SEAL

WHISKEY CREEK (QUALICUM BEACH, B.C.)

WESTERLEA ESTATES PHASE II

RESERVOIR DETAILS

DRAWING No. T 1070-1-3 | REV. 6 | SHEET 3 OF 4

WILLIS CUNLIFFE TAIT & Company Ltd.

WC-004