



Owner: Regional District of Okanagan Similkameen

Campbell Mountain Landfill Leachate Management

Addendum No. 2

To: Posted on BC Bid Website
ITT: RDOS-21-ENG-10
Attachments: Addendum #2

From: Scott Garthwaite, ASCT
Date: November 1, 2021

Please take note that Regional District of Okanagan Similkameen has issued the attached Addendum #2 for the Invitation to Tender RDOS-21-ENG-10.

This Addendum forms part of the Contract documents and is to be read, interpreted, and co-ordinated with all other parts of the Tender. The cost of all contained herein is to be included in the contract sum. The following revisions supersede the information contained in the original Tender including drawings and specifications issued for the above-named project to the extent referenced and become part thereof.

All Tenderers shall acknowledge receipt and acceptance of this Addendum by signing in the space provided and submitting the signed Addendum with the Tender. Tenders submitted without this Addendum may be considered incomplete.

Receipt acknowledged and conditions agreed to this ____ day of _____, 2021.

Tenderer

Signature

This Addendum includes the following information:

- Questions and Answers
- Attachment #1: Drawing Details F and G
- Attachment #2: MMCD Paragraph 5.2 of the Instructions to Tender – part II
- Attachment #3: SS Check Valve and Yard Hydrant

Important Notice:

1. General information from the Bidders Meeting:
 - a. RDOS is responsible for the verification of clean fill as an owner supplied product.
 - b. Contractor to provide a site trailer for contractor use if deemed necessary. It is not a requirement.
 - c. Owner supplied clean fill will be placed beside the common utility trench as coordinated by the prime contractor with a minimum of 48-hour notice.
 - d. Gates must be shut outside of operating hours. Prime contractor to coordinate with RDOS for site key to work outside of operational hours, as per RDOS conditions and acceptance.
2. Drawing Detail E has been modified. The existing road structure is required to be salvaged and re-instated over the 12 oz geotextile. If additional road aggregate is required, RDOS will supply additional material. See Attachment #1: Detail F and G for more details.

Schedule B – Supplementary Technical Specifications, Section 01 20 00 Measurement and Payment, Subsection 01 20 00.6 Description of Pay Items, Subsection B. Civil and Earthworks, Payment Item 2.05 – Supply and Install Leachate Discharge Structure, currently reads:

5. Payment Item 2.05 – Supply and Install Leachate Discharge Structure

- a. Measurement: Will be made on a linear meter basis on surveyed pipe alignment centerline. Survey is to be conducted by Contractor and verified by Engineer before and after work is completed.
 - b. Payment: Linear Meter (m)
 - c. Includes: All labour, equipment, materials and all other incidental work required to supply and install the leachate discharge structure in the road area, as shown in Detail F & G: Extraction Well Discharge Pipe Berm Detail and all other relevant details, as shown in the contract Drawings. Also include, excavation in existing soils, and/or imported soils of all gradations and composition including cobbles and boulders less than the trench width. Also includes excavation for the range of trench widths and depths as shown on the Drawings. Also includes placing and compacting embedment and backfill material to be owner supplied clean fill, and road structure with contractor supplied material, as shown on the drawings.
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- d. Excludes: All HDPE pipe and Fittings will be part of Payment Item 2.06.

Schedule B – Supplementary Technical Specifications, Section 01 20 00 Measurement and Payment, Subsection 01 20 00.6 Description of Pay Items, Subsection B. Civil and Earthworks, Payment Item 2.05 – Supply and Install Leachate Discharge Structure, is hereby amended to:

5. Payment Item 2.05 – Supply and Install Leachate Discharge Structure

- a. Measurement: Will be made on a linear meter basis on surveyed pipe alignment centerline. Survey is to be conducted by Contractor and verified by Engineer before and after work is completed.
- b. Payment: Linear Meter (m)
- c. Includes: All labour, equipment, materials and all other incidental work required to supply and install the leachate discharge structure in the road area, as shown in Detail F & G: Extraction Well Discharge Pipe Berm Detail and all other relevant details, as shown in the contract Drawings. Also include, excavation in existing soils, and/or imported soils of all gradations and composition including cobbles and boulders less than the trench width. Also includes excavation for the range of trench widths and depths as shown on the Drawings. Also includes placing and compacting embedment and backfill material to be owner supplied clean fill, and salvage road structure to be re-instated over the 12 oz geotextile, as shown on the drawings. Additional road structure will be provided by RDOS if necessary.
- d. Excludes: All HDPE pipe and Fittings will be part of Payment Item 2.06.

3. Questions and Answers

Q1: I went through the tender documents, and I couldn't find the bid bond requested. However, on page 2 of the Form of tender, it is noted ..." the bid security as required by paragraph 5.2 of the Instructions to tender – part II". Therefore, we need to know what is stated in that paragraph to issue the bid bond according to those requirements.

A1: As per MMCD, the MMCD documents are incorporated into the tender and contract documents. Instructions to Tenderers Part 2 is in the MMCD documents. See Attachment #2 for more details.

Q2: Drawing E100 SW-A Fused Switch & Breaker in MPC-A should these be a 2P 30A @ 600Volts?

A2: Yes

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- Q3: Appendix 1 Schedule of Quantities & Prices 4 Electrical Works 4.04 S&I Tech cable run, Single Conduit. Can we run single RW90 conductors in conduit rather than a tech cable?**
- A3: Yes, but the contractor is advised that grounding is required.
- Q4: Can we get a Make & part number for the 2 pull boxes?**
- A4: Scepter JBox JBX12128, 12"x12"x8" PVC or equivalent.
- Q5: Details on kiosk, drawings look like a fabricated ladder frame, just mounting the gear but not all the products are 3R. If it's an enclosure is there more details so it can be quoted more accurately.**
- A5: The intent is for all the controls to be contained in Nema 3R rated enclosures or equivalent. The configuration of these enclosures is intended to be functional and cost effective. For these reasons, the contractor can use a fabricated ladder frame control mount or a cabinet.
- Q6: Through the ducting it shows cabling, is that because of the classification/division? If so what is the class?**
- A6: There are no landfill specific requirements for the electrical conduit. Follow applicable standards and codes for electrical works in BC. All above ground conduit is to be Rigid PVC.
- Q7: Is there one precast manhole for this project?**
- A7: Yes, see contract documents for manhole details. Information for this manhole can be viewed, but not limited to, Detail J: Manhole detail on drawing 20039-04.
- Q8: What are the requirements for the SS check valve and yard hydrant?**
- A8: The proposed materials as shown in Attachment #3 are acceptable. Contractor is required to confirm field requirements for layout, depths, and hardware compatibility.
- Q9: Is there pipe bedding required? Who is supplying?**
- A9: Pipe bedding to be placed in accordance with contract documents, either existing clean fill or native soil or owner supplied clean fill.
- Q10: Detail - E-02 - Clarify if need to haul and place the crush concrete?**
-

A10: Crushed concrete is existing. The existing berm is constructed with a crushed concrete core covered in clean fill. Scope of project is to excavate trench to top of concrete.

Q11: Owner supplying any other materials other than the "Supplied Clean Fill"?

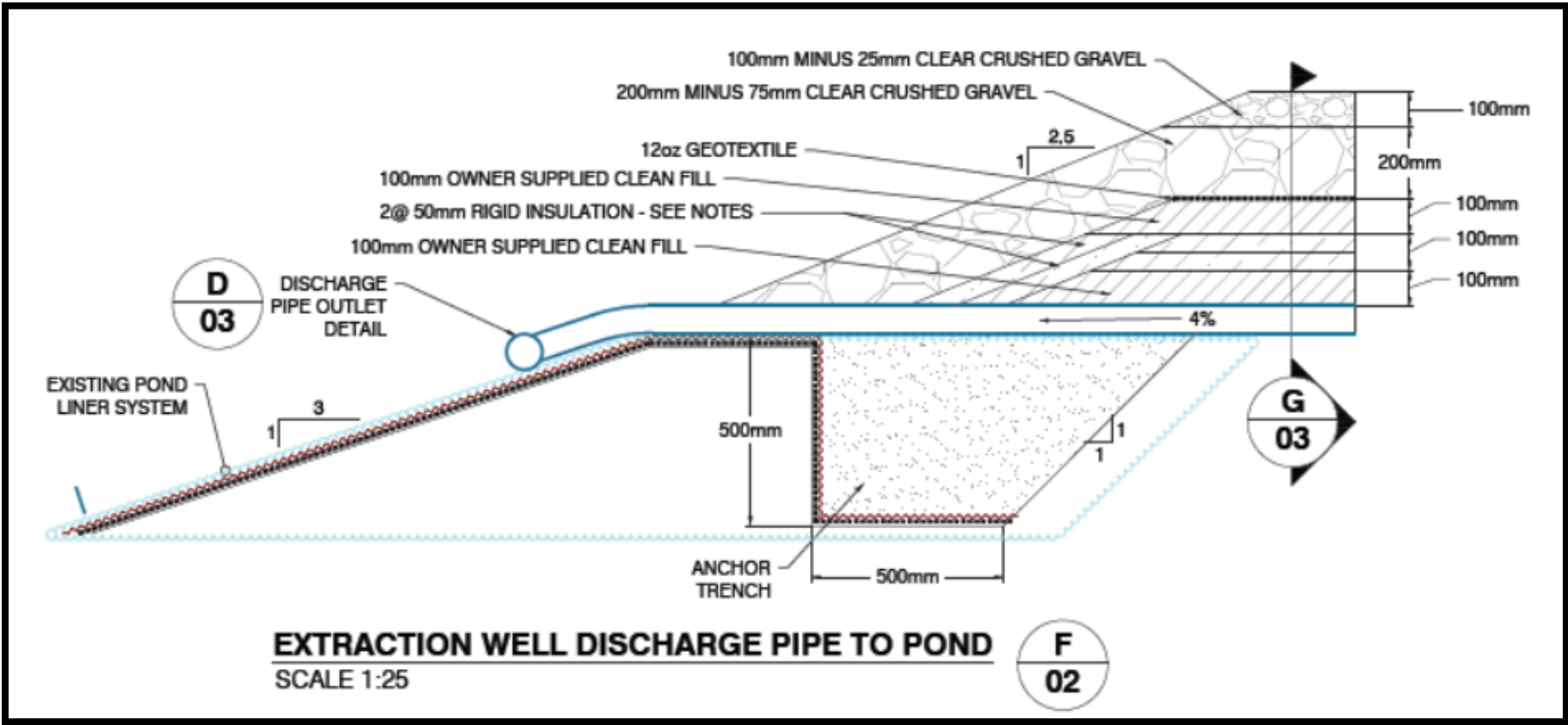
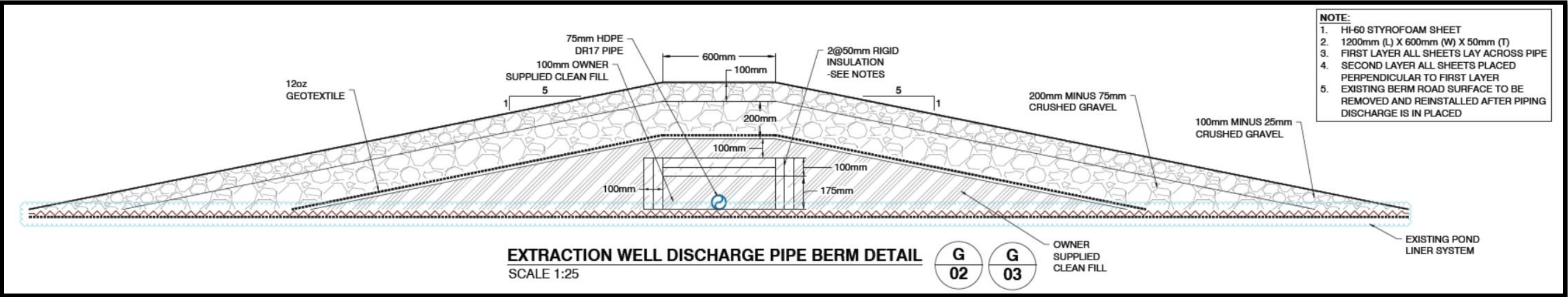
A11: See modified pond discharge structure sketch in Attachment #1.

Q12: What are the allowable work hours?

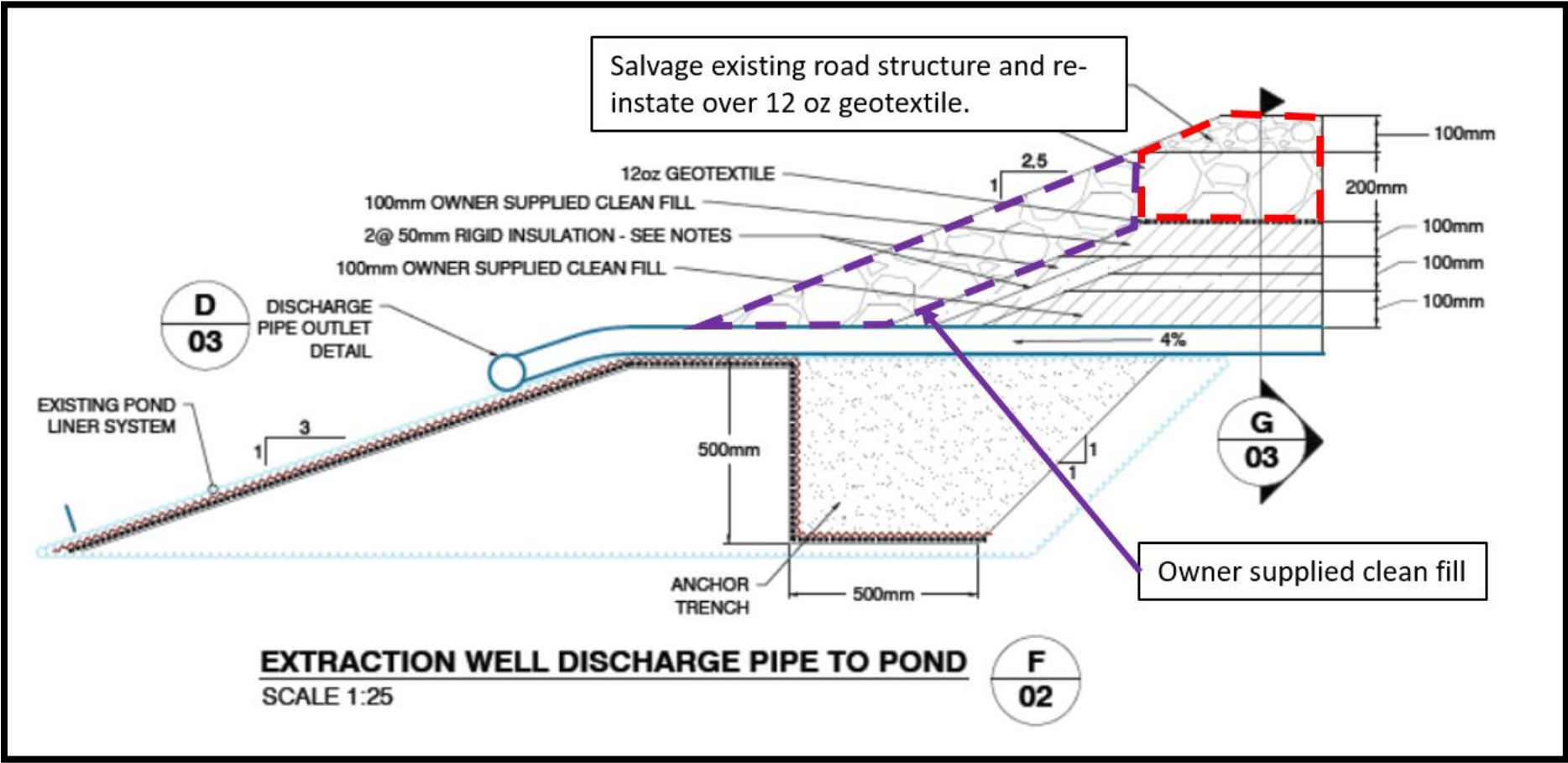
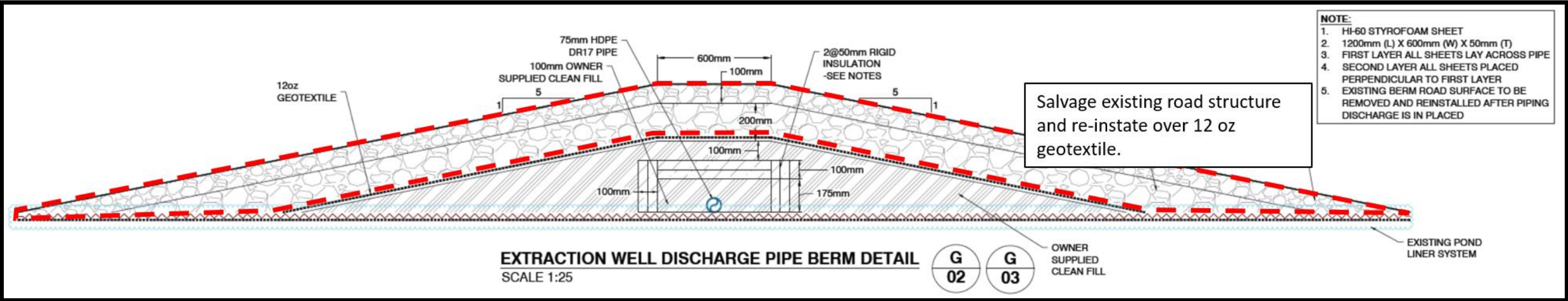
A12: Normal operating hours are: 8:30 am to 4:45 pm. A key is available, and work can be completed at any time (landfilling operations are exempt of noise bylaws).

Attachment #1: Drawing Details F and G

Current Details



Amended Details



Attachment #2:

MMCD Paragraph 5.2 of the Instructions to Tender – part II

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(FOR USE WHEN UNIT PRICES FORM THE BASIS OF PAYMENT - TO BE USED ONLY WITH THE GENERAL CONDITIONS AND OTHER STANDARD DOCUMENTS OF THE UNIT PRICE MASTER MUNICIPAL CONSTRUCTION DOCUMENTS.)

(DO NOT USE WITHOUT REFERENCE TO "INSTRUCTIONS TO TENDERERS - PART I")

5.0 Tender Requirements

- 5.1 A tender must be on the Form of Tender as provided and be signed by the authorized signatory(s) as follows:
- 5.1.1 signature(s) must be in original handwriting;
 - 5.1.2 if the tenderer is a partnership or joint venture then the name of the partnership or joint venture and the name of each partner or joint venturer must be included, and each partner or joint venturer must sign personally; if a partner or joint venturer is a corporation then such corporation must sign as indicated in paragraph 5.1.3 below; and
 - 5.1.3 if the tenderer is a corporation then the full name of the corporation must be included, together with the names and signatures of authorized signatories.
- 5.2 A tender must be accompanied by tender security ("*Bid Security*") in the form of:
- 5.2.1 a bid bond issued by a surety licensed to carry on the business of suretyship in British Columbia in a form reasonably satisfactory to the *Owner*; or
 - 5.2.2 cash, bank draft or letter of credit in a form acceptable to the *Owner*;
- in an amount equal to 10% of the *Tender Price*.
- 5.3 A tender must include the following Appendices:
- 5.3.1 Appendix 1 - the *Schedule of Quantities and Prices*;
 - 5.3.2 Appendix 2 - a "*Preliminary Construction Schedule*", generally in the form attached as Appendix 2 to the Form of Tender, and showing *Substantial Performance* by the date or within the duration, shown in paragraph 2.2 of the Form of Tender;
 - 5.3.3 Appendix 3 - name and brief description of the previous experience of the *Superintendent* the tenderer will use for the *Work*;
 - 5.3.4 Appendix 4 - a list of previous comparable work, including a brief description of that work, approximate contract value, and references (with phone numbers); and
 - 5.3.5 Appendix 5 - a complete list of all subcontractors, if any, that the tenderer will use for the *Work* including full names.

Attachment #3:

SS Check Valve and Yard Hydrant

Submersible Stainless Steel Pump Check Valves

Flomatic® Valve Written Specification

Scope

- 1.1 This specification covers the design, manufacture, and testing of 2 in. (50 mm) through 8 in. (200 mm) Female Threaded In-Line Stainless Steel Submersible Pump Check Valves suitable for pressures up to 600 psig (4,137 kPa) water service.
- 1.2 The Submersible Pump Check Valve shall be flow efficient of the silent operating type that begins to close as the forward flow diminishes and fully closes at zero velocity preventing flow reversal and reduces resultant water hammer.
- 1.3 Compatible with VFD control submersible pumps with variable flow conditions.

Standards and Approvals

- 2.1 The valves shall be flow efficient and tested by certified hydraulic laboratory in sizes 2 in. - 8 in.
- 2.2 Certified to be Lead-Free in accordance with NSF/ANSI 372 and NSF/ANSI/CAN 61.
- 2.4 Manufacturer shall have a quality management system that is certified to ISO 9001 and ISO 14001 by an accredited, certifying body.

Connections

- 3.1 Threaded Style valves shall be provided in sizes 2 in. (50 mm) through 8 in. (200 mm) Female NPT Threaded (ANSI B1.20.1-2013), or when specified, API 8 round Line Pipe threads (API 5B 2019, Table 3).

Design

- 4.1 The valve design shall incorporate a downstream center guided, spring loaded poppet and having a short linear stroke with a positive stop that generates a flow area equal to the nominal valve seat size.
- 4.2 Valve body material shall be Stainless Steel ASTM A351 (CF8M) or stronger to support a submersible pump at a minimum setting of 900 feet.
- 4.3 All internal component parts shall be corrosion resistant and be field replaceable without the need of special tools. The spring shall be designed to withstand 100,000 cycles without failure and provide a minimum cracking pressure of 1.0 psi.
- 4.4 The valve disc shall be convex to the flow direction providing for disc stabilization, maximum strength, and a minimum flow velocity to open the valve.
- 4.5 The valve disc shall have a replaceable rubber seating surface to ensure drip tight seating at all pressures. The rubber seal shall be supported by a mechanical support surface when valve is closed under back pressure.
- 4.6 The valve shall be stable and noiseless at variable flow rates from 1 ft./sec. to 10 ft./sec.
- 4.7 Features an NSF/ANSI/CAN 61 approved molded NITRILE (Buna-N) seal or optional VITON or EPDM.
- 4.8 Pressure Max: 600 PSI (4,137 kPa).
- 4.9 Temp Max: 180°F (82°C).

Coating

- 5.1 Stainless Steel valves require no coating.

Marking

- 6.1 The valve shall have a cast-in, engraved or metal tag showing direction of flow arrow and manufacturer name, size, model and year of manufacturer.
- 6.2 The valve shall have a date coded quality control (Q.C.) tag or water resistant label.

Approved Manufacturer

- 7.1 The valve shall be equal in all respect to the Stainless Steel Series 80S6 VFD as manufactured by the Flomatic® Corporation, Glens Falls, NY.

Submersible Pump Check Valve Specification

Date: 10-26-2020

FLOMATIC® VALVES

Flomatic® Corporation
Glens Falls, New York
www.Flomatic.com

WS No: FL-80S6-VFD
Rev: A

Stainless Steel Check Valve

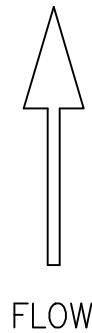
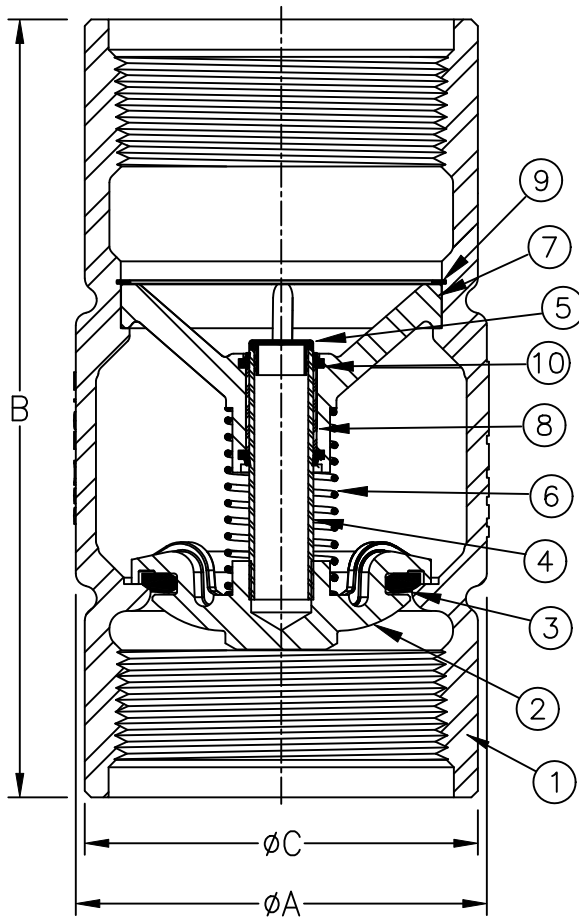
Model 80S6-VFD



Sizes 2" thru 8" / 50mm thru 200mm

Flomatic Corporation

Materials



Max Temp 180°F (82°C)
Max Pressure 600psi (42bar)
Optional Female 8 round Threads

Item #	Qty	Description	Material	ASTM
1	1	Body	Stainless Steel	316
2	1	Poppet	Stainless Steel	316
3	1	Seat Disc	Buna-N	N-5007*
4	1	Stem	Stainless Steel	316
5	1	Stem Cap**	Engineered Composite	-----
6	1	Spring	Stainless Steel	304
7	1	Stem Guide	Stainless Steel	316
8	1	Bushing	Engineered Composite	-----
9	1	Retaining Ring	Stainless Steel	302
10	2	Wiper	Engineered Composite	Molythane

Dimensions (FNPT x FNPT)

*8" uses N-6010
** Not Used on 2" & 2-1/2"

Size		Part #	A		B		C		Weight	
inch	mm		inch	mm	inch	mm	inch	mm	lbs	kg
2	50	4034S6VFD	3	76	5-5/32	131	2-7/8	73	5	2.3
2-1/2	65	7936S6VFD	3-5/8	92	6-31/32	177	3-3/8	86	10	4.5
3	75	7938S6VFD	4-3/8	111	8-37/64	218	4-13/64	107	13	5.9
4	100	7939S6VFD	5-3/4	146	11-1/4	286	5-1/2	140	30	14
5	125	4088S6VFD	6-29/32	175	13-5/8	346	6-19/32	167	42	19
6	150	4089S6VFD	8	203	15-9/64	385	7-21/32	194	69	31
8	200	4090XSSVFD	9-11/16	246	15-27/32	402	9-11/16	246	95	43

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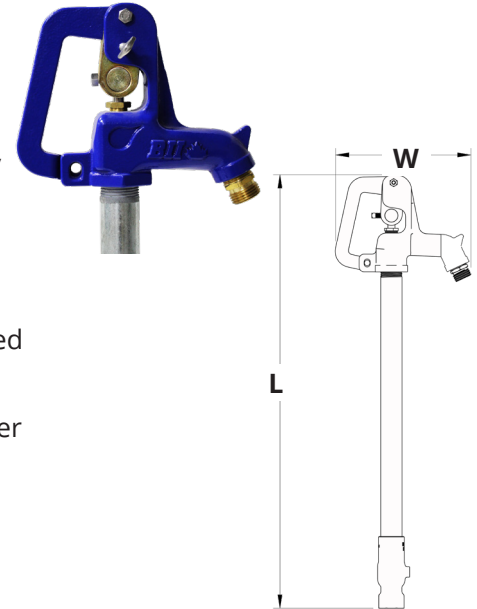
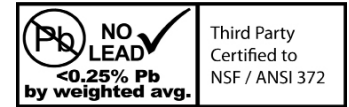
September 27, 2012
Dwg No: S7939S6-VFD Rev: E (8/16)

FLOMATIC CORPORATION
GLENS FALLS, N.Y. 12801
PHONE (518) 761-9797
FAX (518) 761-9798

YHP(HC)CR-NL SERIES NO LEAD PREMIUM YARD HYDRANTS

SPECIFICATION:

- Heavy duty head with bucket hook and removable 3/4" GHT connector
- Large heavy duty handle has longer hand grip for comfortable operation. It can be held firmly in any position to regulate flow by means of a S.S. thumb bolt and has a locking eye allowing the hydrant to be pad-locked in the closed position.
- Polished operating rod reduces wear on the stem packing and provided maximum corrosion resistance.
- Double O-ring Sealing System provides a positive seal between the hydrant head and operating rod. The O-Rings are easily replaced, a great advantage over yard hydrants that use stem packing which is very difficult to remove and clean out of the head casting.
- One piece zinc plated pivot connector complete with a square head set screw allows for easy adjustment of the linkage.
- Double zinc plated draw straps provide excellent corrosion resistance; have smooth operation with very limited play in the linkage.
- Valve Body offers superior flow rates, a self draining bleeder port (tapped 1/8 FPT) prevents riser pipe and valve head from freezing.
- One piece plunger core with triple groove design ensuring that there is no chance of the rubber detaching from the core. Self-lubricating plunger prolongs it's life.
- 3/8" Steel Connecting Rod & Coupling.
- Max Pressure: 125 PSI
- Max Temperature: 120°F (48°C)



CERTIFICATION:

- ASTM A312 Sch. 40 Stand Pipe
- NSF/ANSI Standard 372 Certified

MATERIAL LIST

Part Name	Material
Handle	Cast Iron
Head	Cast Iron
Coupling	Zinc Plated Steel
Operating Rod	Stainless Steel
O-Ring	Nitrile Buna-N
Packing Nut	Brass
Pivot Connector	Zinc Plated Steel
Set Screw	Stainless Steel
Draw Straps	Zinc Plated Steel
Lever Bolt	Stainless Steel
Locking Nut	Stainless Steel
Hose Bibb Adapter	Brass
Thumb Bolt	Stainless Steel
Plunger Assembly	Stainless Steel & Rubber
Valve Body	No Lead Bronze
Pipe	Stainless Steel

DIMENSIONS

Part No.		Bury Depth	L		W		Weight
			inches	mm	inches	mm	grams
3/4" FPT Inlet	YHPCR-01NL	1'	45.00	1143.00	8.40	213.36	5856
	YHPCR-015NL	1-1/2'	51.00	1295.40	8.40	213.36	6319
	YHPCR-02NL	2'	57.00	1447.80	8.40	213.36	6781
	YHPCR-03NL	3'	69.00	1752.60	8.40	213.36	7707
	YHPCR-04NL	4'	81.00	2057.40	8.40	213.36	8632
	YHPCR-05NL	5'	93.00	2362.20	8.40	213.36	9557
	YHPCR-06NL	6'	105.00	2667.00	8.40	213.36	10483
	YHPCR-07NL	7'	117.00	2971.80	8.40	213.36	11408
	YHPCR-08NL	8'	129.00	3276.60	8.40	213.36	12333
	YHPCR-10NL	10'	153.00	3886.20	8.40	213.36	14184
1" FPT Inlet	YHPHCCR-01NL	1'	45.00	1143.00	8.40	213.36	5919
	YHPHCCR-015NL	1-1/2'	51.00	1295.40	8.40	213.36	6382
	YHPHCCR-02NL	2'	57.00	1447.80	8.40	213.36	6845
	YHPHCCR-03NL	3'	69.00	1752.60	8.40	213.36	7770
	YHPHCCR-04NL	4'	81.00	2057.40	8.40	213.36	8695
	YHPHCCR-05NL	5'	93.00	2362.20	8.40	213.36	9621
	YHPHCCR-06NL	6'	105.00	2667.00	8.40	213.36	10546
	YHPHCCR-07NL	7'	117.00	2971.80	8.40	213.36	11471
	YHPHCCR-08NL	8'	129.00	3276.60	8.40	213.36	12397
	YHPHCCR-10NL	10'	153.00	3886.20	8.40	213.36	14247

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