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Project: **Alta Lake Road Sewer Upgrade Project** Project No.: **32571**  
 Client: **Resort Municipality of Whistler** Meeting Date: **October 8, 2020**  
 Location: **Via Zoom** Meeting Time: **4:00pm**  
 Purpose: **Public Information Meeting** Meeting No.: **2**  
 In Attendance: **RMOW: James Hallisey, Tammy Shore, Chris Wike, Chelsey Roberts** Written By: **GS**  
**Public: Various**  
 Distribution: **RMOW and Attendees (through the RMOW)**

The subjects discussed and decisions reached are summarized in the following record. Please notify the author of any errors or omissions. If no comments are received within 7 days this record is considered correct.

Item No.	Description	Action By
<b>1.0</b>	<b>Project Overview and Design Approach</b>	
1.1	Primarily due to significant accessibility limitations along the railway tracks which has proven to be extremely challenging for the RMOW on other existing sanitary infrastructure (both in routine maintenance and repairs), the alignment along Alta Lake Road is proceeding	
1.2	Topographic survey, Ground Penetrating Radar (GPR) and test digging have approximated the depth of bedrock along the alignment.	
1.3	Due to the low elevation of existing basements and the relatively shallow depth to bedrock, gravity service connections to homes is not feasible and therefore pumped connections are required.	
1.4	New piped extends from the road crest just south of the Rainbow Park entrance and will gravity flow to the south to connect to the existing gravity system.	
1.5	ISL reviewed the conceptual design plan and profile drawings.	
<b>2.0</b>	<b>Service Connections and Pump System</b>	
2.1	Each lot will require a unique service connection (adjoining lots may not share a single service).	<b>RMOW</b>
2.2	As part of the project, the RMOW will be installing the new main pipe and the gravity service to each lot's property line. All works on private property will be the responsibility of the individual lot owner.	<b>ISL</b>
2.3	While the service scenario for each lot may differ slightly, ISL has prepared a generalize pamphlet illustrating 'typical' connection arrangements. This pamphlet was reviewed during the meeting and is attached to these minutes.	
2.4	Each lot will have a residential sanitary sewer pump station. While the pump station connection for each lot may differ slightly, the pamphlet described in Item 2.3 illustrates a 'typical' servicing scenario.	<b>ISL</b>
2.5	The RMOW will procure the package residential sanitary pump stations as part of the overall project scope. Home owners or their installation contractor will then be able to pickup the unit when they are ready for installation.	
2.6	Until the procurement process of the pump stations is complete details of the units are not known. However their general arrangement is anticipated to be: <ul style="list-style-type: none"> <li>Approximately 1.0m in diameter</li> </ul>	<b>RMOW</b>



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	<ul style="list-style-type: none"> <li>Approximately 1.5m in depth below the invert of the existing inlet pipe</li> <li>Duplex (2) pump arrangement (allows for redundancy in the event of a pump failure or maintenance)</li> <li>Top access lid</li> <li>Control panel for warnings or manual override</li> <li>Venting</li> </ul>	
2.7	Pump stations are designed to operate frequently although each cycle of operation is very short (approximately 2 minutes/cycle). With this turn-over and proper venting odour should not be an issue with the pump station. Where home owners are absent for an extended period of time, the pump stations should be emptied prior to departure. A full operation and maintenance manual will be provided with each pump station	
2.8	Feasibility will establish pipe alignment, general grade and will generally identify lots/residents/buildings that required pumped services	
<b>3.0</b>	<b>Project Scheduling and Construction</b>	
3.1	Procurement process for the gravity and the lift stations anticipated for the beginning of December, 2020	
3.2	Construction of the main scheduled for Spring-Fall 2021	
3.3	Alta Lake Road currently envisioned for 'local traffic only' during construction and whenever possible remaining open to single lane alternating traffic. That said the ultimate traffic management will be provided by the successful civil contractor	
3.4	While efforts to reduce nuisances will be made, dust and construction related noise (particularly related to rock removal) will be anticipated	
3.5	Access to individual lots for residents including for deliveries will be managed with only minor delays anticipated (and no overnight closures)	
<b>4.0</b>	<b>Open Discussion Items</b>	
4.1	Q1: What are the setback requirements from property lines for lift stations? A1: RMOW to investigate and provide direction to homeowners	<b>RMOW</b>
4.2	Q2: What are the power requirements for the pump stations? A2: ISL to investigate and provide response to homeowners	<b>ISL</b>
4.3	Q3: Dimensions of the residential pumps? A3: Pump specifications will be known after procurement process is complete	<b>RMOW/ISL</b>
4.4	Q4: Is the RMOW applying for any grants to assist with the project funding? A4: RMOW to investigate and provide direction to homeowners	<b>RMOW</b>
4.5	Q5: Based on the current estimate of construction, what is the expected proportional cost per lot to be borne by the homeowner? A5: [explored subsequent to the meeting, the RMOW provides the following information]: As of October 13, 2020 the 10-year MFA rate is 1.47%; year 11-15 is 1.93%; year 16-20 is 2.25% <ul style="list-style-type: none"> <li>The result of these rates to borrow \$900K are currently calculated as and borrowing options:</li> <li>Principle lump sum payment of \$25,000, or</li> <li>Annual payment for 20 years of approximately ~\$1,500</li> </ul> *Where the average of all 20 years of payments: ~\$1,462 for a total amortized cost of ~\$29,257.76	<b>RMOW</b>



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4.6	<p>Q6: Original cost sharing agreement did not consider a connection from Rainbow Park. Can the agreement be revisited with this understanding? A6: <i>[explored subsequent to the meeting, the RMOW provides the following information]:</i> <i>Regarding your request to change the cost sharing mechanism as stated in the petition package, there has been no scope or cost change, and the project will proceed as the majority of residents voted in favor of the project and this was certified by the Corporate Clerk.</i></p>	<b>RMOW</b>
4.7	<p>Q7: There is concern about the prospect of widening Alta Lake Road to accommodate a valley trail connection. A7: <i>The valley trail connection is not part of this project's scope and is spearheaded by the Parks Department.</i></p>	<b>RMOW</b>
4.8	<p>Q8: Has Fortis been contracted in regards to expanding their utility service along Alta Lake Road? Q8: <i>The RMOW has had some initial communications with Fortis and ISL will provide them with the preliminary design by the end of October.</i></p>	<b>RMOW/ISL</b>
<b>5.0</b>	<b>Meeting Adjournment</b>	
5.1	Meeting adjourned at 5:30pm	