

3rd January, 2017

Horseshoe Bay Transportation Hub
Additional Information for Softscaping for RFI

To Whom It May Concern:

- Proposals are to reflect Best Practices and are to be outline in the Construction Means and Methods.
- The project is under the direction of Works & Engineering and all review of work will be completed by Works & Engineering and Parks Departments & OBMI As a result there no applicable CMP. Please note that all work is to comply with relevant legislation and current best practice. The area is zoned National Park.
- It was envisioned that work would have started prior to January 2017. Substantial completion date is 31st March. If there is to be any deviation from this time line for the softscaping, please include a proposed planting schedule and timing. Please address impact on beach access / use.
- Initially it was envisioned Parks would be involved thus the notation on drawing package. For the purposes of the fee proposal by the contractors, ALL soft and hardscaping works relating to the Horseshoe Bay Transportation Hub is to be itemized for contractor completion, without any outsourcing to Parks Department. Please itemize the costs associated with each phase and line item of work associated with completing the contract as described i.e. line items may include harvesting, supply and installation of all plant materials. If a nursery is to be established on site, quotes will include all the cost of care etc. of any stock prior to planting and any post instillation care. Water will not be provided so please quote accordingly.
- With regards to the total number of plants listed on drawings vs plant schedule, please use the landscape drawings to guide the number of plants and sq. ft. areas to be planted with appropriate plant varieties. The numbers and species were intended to be somewhat flexible to accommodate the harvesting of plants & propagation success rates by Parks Department / Tulo Valley. Clearly document any deviations / justifications to size of plants, plant types and numbers.

The guiding principle for planting is the use of native / endemic plants (hub is located within a National Park), harvesting of plant material for economy and sustainability, and low maintenance / hardy species appropriate to a heavily used public venue, harsh coastal situation and plants adaptable for use in swales/periodic flooding & hot, dry & sandy conditions.

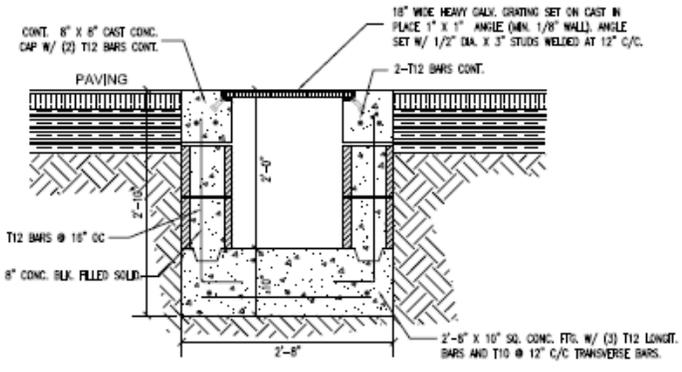


- Soil Mixture: Top Soil (in this case dune sand) may be mixed with compost from Marsh Folly.
- Now given the short timeframe for completion and the anticipated heavy use of the parking area, contractors are to determine the best method for planting / seeding the Turfstone / Grasscrete.
- RE: Details on C402,3/C402,6, C401 specifying Hydrogrow Soil polymers and Grass Cover by Hydroseeding will be covered by Contractor Means and Methods and principles of Best Practice.

Questions/Comments	OBMI
<p>GABION SYSTEM:</p> <ol style="list-style-type: none"> 1. Please show the extent of Gabion retention system 2. Please designate heights x lengths x depths at various locations, and 3. will the details on drawing # L903 apply or details on drawing # S400 	<p>Approximate 560 linear feet of gabion system might be required along the eastern side of the service road and along the southern side of the concrete pedestrian walkway.</p> <p>Drawing S100 shows the area where each element/type is to be applied. Gabian baskets are to be used where indicated on S100 (See arrows designating sections). The gabion basket dimensions will vary depending upon differences in elevation. The various gabion basket dimensions are shown within Detail 3, Detail 5 and Detail 6 of drawing S400</p>
<p>LOG RETAINIG WALL:</p> <ol style="list-style-type: none"> 4. Where does the detail shown on lower left on L-903 apply to the project? Please mark on the drawings and provide height and length 	<p>This is to be used in areas where the bank slopes steeply as an alternative to the gabion system especially in the heavy wooden areas. Max height allow is 3 feet</p>
<p>KERBS:</p> <ol style="list-style-type: none"> 5. Could you please supply total linear feet for the precast kerbs for the entire project? The drawings are a little confusing to figure out where all the kerbs are. Some are obvious and others are not? 6. Does the existing road (which will be asphalt resurfaced) has new kerbs on both sides for its entire length? 7. Does the service road along the western boundary has kerbs? 	<p>±3,300 linear feet of kerb is required – refer to C200 & C201 for location</p> <p>Kerb is only required on southern side of road down from South Road to Beach</p> <p>No Kerb on the western boundary – but a boarder/foundation edge is required to ensure the grasscrete stays in place.</p>



<p>BOARDWALK:</p> <ol style="list-style-type: none"> 8. Please show extent of the railing for the boardwalk (where the post and polyester rope netting with support ropes is needed). Need linear feet count. 9. Detail C-1 on L-802-D shows the decking board at 2"x6" size whereas everywhere else it is shown as 1"x6". Which one is correct? 10. Board walk double beam connection: How is the 2"x8" double beams are connected to the recycled telephone poles? In most details they are shown as connected to 6"x6" stub or 6"x6" railing post which appears to be resting on top of the recycled telephone post supports and unconnected to it. Only in details A-3 on L-802-D and C-1 on L-802-E, the 2"x8" double beams are directly connected to the notched part of the recycled telephone post. Please clarify? 11. Detail B-2 on L-802-D shows two tiers of joists & decking? 	<p>Railing extends the entire length of the boardwalk</p> <p>2"x6" is the correct size for the decking boards</p> <p>Poles would need to be notched to receive the double beam</p> <p>B-2/L-802-D shows the latitudinal section of the boardwalk just before the stairs. The 2"x6" shown on the upper part would be hidden behind the brace plate</p>
<p>RETAINING WALLS / SEAT WALL:</p> <ol style="list-style-type: none"> 12. On S100, on the far left there are two 'section' call outs referring to SECT.01 (01/S400). However on the same drawing one feature is also labeled as Proposed Gabion Basket Retaining Wall. Which one is applicable....Masonry retaining wall or Gabions? 13. On S400, there are two details for same wall (01/S400 and 04/S400). Which one is applicable and what is the extent? 14. On L-201-L, there is mention of SEATING WALL under the future bus shelter. We did not see this seat wall shown in sections. No details provided. Please comment. 	<p>Drawing S100 notes the type and locations of each location. Please refer to this drawing to see where each section is to be applied. For example: The western area of the taxi parking designates that Section 01 be instated. This is shown in a section call-out labeled 'Sect 01'.</p> <p>The northern area of the bike parking designates that Section 04A be instated This is shown in a call-out labeled 'Sect 04A'.</p> <p>Where there is reference to "Gabion Basket Retaining Wall", it pertains to Detail 3, Detail 5 and Detail 6 on drawing S400</p> <p>Seating wall to be similar to that shown on 04/S400.</p>

<p>UTILITY LINES/DRAINAGE:</p> <ol style="list-style-type: none"> 15. Please provide total run of utility trenches (water lines, sewer & electrical) and applicable details. The drawings are not clear about this except one drain line connecting CB1 & CB2. 16. Please confirm that there are only two catch basins CB1 & CB2 as shown on C200 and detail 2/C401 17. On L-201-L, there is a UNDER SIDEWALK DRAIN shown between the retaining wall and bus shelter. Is this in addition to CB2 shown on C200? 18. Please confirm that there are only two boreholes (one each for CB1 & CB2 as noted on C200) 19. On C201, there 4 instances of rebuilding and extending existing trench drains and building one new one. Please provide details for the both types. 20. There is a trench drain shown on C200 just inside the gate along boundary with Fairmont property. Please supply details and indicate where it drains. 21. On C300 there are instances of BELCO Light and Pole. Is this work part of the tender? If, yes, please provide details and count. 22. On L-201-L, there some lights shown (Proposed Lights) please provide details. 	<p>No water/sewer requirements except that required to move the pump as shown</p> <p>2 catch basins are confirmed</p> <p>CB2 location shown on C200 – this overrules the location shown on L-201-L</p> <p>2 boreholes are confirmed</p> <p>Example of trench drain detail</p>  <p>2 Belco poles required with dark sky lighting fixtures. Coordinate with Belco</p> <p>Refer to answer above</p>
<p>ASPHALT WORK:</p> <ol style="list-style-type: none"> 23. The cover legend on C201 has Asphalt Resurfacing of the entire road including fringe expansion of the roadway. Shall the detail 6/C400 apply for this work including milling of existing and then new wear course on top? Or just new 1.5" Overlay is laid on top of existing asphalt without milling the old one? 	<p>Where the elevation of the existing drainage is to be maintained and/or existing drainage grating retained, the elevation of the asphalt should be upheld and hence the existing may be milled out and a new course instated.</p>



<p>GRADING/BACKFILLING:</p> <p>24. On L-202-L, under the 'NOTES', there is mention of sourcing RECYCLED GLASS from Govt. Recycling Facility and RECYCLED ASPHALT from The Airport. Will these materials made available for pick up FREE of COST?</p>	<p>Material is free, contractor responsible to get it to site. If an alternative is suggested, contractor shall justify it in their Construction Means & Methods</p>
<p>CEADR RAILING / GATE:</p> <p>25. On drawing L-202-L, there is mention of 'Traditional Cedar Gate & Railing' by southeast corner of the Accessible Parking. What is the extent of this railing? How long and what is height of the railing. Please confirm that there is only one cedar gate to be installed per details on L-802-E.</p>	<p>Refer to B-3/L-802-E for gate – confirm one gate is required.</p>