1.0 SPECIFICATION

1.1 Delete and insert Section 04 43 19 COLLECTED STONE VENEER CLADDING Part 2 – Products with:

PART 2 - PRODUCTS

2.1 MATERIALS

.1 Granite: to ASTM C615/C615M, a sample board 900 X 900 mm to show variety of colour and texture to be supplied to the Departmental Representative for approval of material.

.2 Field stone: angularly shaped split faced granite field stone of full colour range of full bed depth of 100 mm with maximum single stone face of 0.2 m^2 and predominance of stones measuring not less than 300 mm across, representative of products indigenous to the Point Pelee area, sound and durable (OBC 9.20.2.5.(1).).

.3 Anchors and ties: in accordance with Section 04 20 00.

.4 Mortar and Grout:
.1 Comply with the requirements of Section 04 20 00.

.5 Sealants to ASTM C920, Low-Modulus, Multi-component, Non Sag Urethane Sealant, Non Staining, SWRI validated.

.6 Flashings: in accordance with Section 04 20 00.

2.2 FINISHES

.1 Supply stone with split faced finish.

2.0 DRAWINGS

2.1 Drawing C1

2.1.1 Delete the Notes and replace with the following Notes.

Note:

.1 The Peak Daily sanitary sewage flow for this park and a maximum of 400 person is 8000L/day (400 person x 20L/person).

.2 The wastewater from lift station is pumped to a single septic tank with a minimum volume of two (2) times the peak sewage flow (16,000L). The outlet of the septic tank is to be equipped with an effluent filter.

.3 The septic tank effluent flows by gravity into a balance tank with a minimum volume of two (2) times the peak sewage flow (16,000L). The outlet of the septic tank is equipped with an effluent pumps operating on an alternating timer

.4 The septic tank effluent flows by gravity into a balance tank with a minimum volume of two (2) times the peak sewage flow (16,000L). The balance tank is equipped with two (2) submersible effluent pumps operating on an alternating timer.

.5 The wastewater is pumped to a Biofilter Flat Bed Treatment unit consisting of three (3) 1.22m (W) x3.05m (L) x 0.61m (H) FB-1000 flat bed modules. The flat bed system is sized for the balanced daily flow. The wastewater is evenly distributed over the biofilter medium in the modules and is treated as it trickles through the interior of the medium. The treated effluent drains out of the open bottom flat bed and onto the stone layer of the biofilter area bed for disposal.

.6 The biofilter area bed consists of a layer of stone over top of a layer of sand.

.7 The stone layer of the area bed is calculated using the balanced Flow Q=3000 L/day.

Minimum stone area = Q/75=3000/75=40 meters squared.
Possible dimensions = 14m(w) x4m(L) x 0.25m (H).
Proposed Area= 56 meters squared.

.8 The bottom of the stone layer must be vertically separated at least 600mm from the high ground water table, rock or soil.

.9 The sand layer of the area is calculated using the balanced flow, Q=3000L/Day.

Minimum sand area = 53m2
Possible Dimensions: 14m(W) x4m(L) x0.25m(H)
Proposed Area = 56m2

.10 Using leaching bed fill having a T-Time of <15min/cm, the sand layer shall be extended 15m beyond the perimeter of the distribution piping in the direction of flow.

Setback Description	Distance(m)
All tanks to structure	1.5m
All tanks to lake, pond, spring	15m
All tanks to any well	15m
All tanks to property line	3m
Flat bed to structure	5m
Flat bed to lake, pond, spring	15m