

**Kimvar Enterprises Inc.  
Big Bay Point Resort –Tree Clearing Monitoring Program Matrix - Tree Clearing Stages 1A, 1B and 1B2**

| Study/Report Reference                              | Component  | Potential Impact  | Proposed Mitigation Action  | Monitoring Protocol   |   |  | Reporting Protocol   |                  | Response to Monitoring Outcome  |
|---|--|---|---|---|---|--|--|------------------|---|
|   |  |   |   | Methods   | Frequency / Timing                        | Duration   | Content  | Reporting Period |   |
| Edge Management Plan<br><br>Schollen & Company Inc. | Newly created forest edge resulting from tree clearing | <ul style="list-style-type: none"> <li>Decline in health of trees at exposed forest edge</li> <li>Loss of forest edge trees due to wind throw</li> <li>Colonization of forest edge by non-native invasive species</li> <li>Exposure of hazard trees to public use areas</li> <li>Physical damage due to tree felling</li> </ul> | <ul style="list-style-type: none"> <li>Installation of tree protection fence at limit of tree clearing</li> <li>Implementation of edge management plantings to achieve a more robust edge condition</li> <li>Identification and removal of hazard trees</li> <li>Contractor education seminar to provide instruction on clearing techniques and tree protection requirements</li> </ul> | <ul style="list-style-type: none"> <li>Visual inspection of forest edges to assess condition of trees and note changes in tree health and composition of vegetation community</li> <li>Personnel doing the visual inspection will be equipped with tools / materials required to cut and remove invasive species and apply herbicides to invasive species immediately in order to minimize potential for infestation and colonization.</li> <li>Compilation of photographic inventory from consistent vantage points</li> </ul> | Twice yearly / Early summer and late fall | During construction period up to 3 years after exposure of new forest edge | <ul style="list-style-type: none"> <li>Report characterizing conditions of trees at forest edge</li> <li>Map indicating location of hazard trees and invasive species</li> <li>Photographic inventory</li> <li>Response recommendations</li> <li>Report to be submitted to Town and LSRCA</li> </ul> | Annually         | <ul style="list-style-type: none"> <li>Remedial planting</li> <li>Removal of hazard trees</li> <li>Removal of invasive non-native vegetation</li> </ul>                                 |
|   | Edge management plantings                              | <ul style="list-style-type: none"> <li>Decline in health / failure of edge management plantings</li> <li>Breach of barrier fencing resulting in trampling / degradation of ground flora/trees</li> </ul>  | <ul style="list-style-type: none"> <li>After-care of planted vegetation</li> <li>Installation of paige wire barrier fence</li> </ul>  | <ul style="list-style-type: none"> <li>Visual inspection of plant material to identify stressed/failed vegetation</li> <li>Visual inspection of fence to identify breaches</li> <li>Compilation of photographic inventory from consistent vantage points</li> </ul>   | Twice yearly / Early summer and late fall | 3 years  | <ul style="list-style-type: none"> <li>Report and drawing indicating locations and species of failed vegetation and condition of trees</li> <li>Photographic inventory</li> <li>Response recommendations</li> <li>Report to be submitted to Town and LSRCA</li> </ul>                                | Annually         | <ul style="list-style-type: none"> <li>Replacement planting</li> <li>Repair of breaches of fencing</li> <li>Re-seeding to establish groundcover</li> <li>Enhanced after-care</li> </ul> |
|   | Temporary screen plantings                             | <ul style="list-style-type: none"> <li>Decline in health / failure of temporary screen plantings</li> </ul>   | <ul style="list-style-type: none"> <li>After care</li> </ul>  | <ul style="list-style-type: none"> <li>Visual inspection of plant material to identify failed/stressed vegetation</li> <li>Compilation of photographic inventory from consistent vantage points</li> </ul>  | Twice yearly / Spring and fall            | Throughout duration of construction period                                 | <ul style="list-style-type: none"> <li>Letter report and drawing indicating location of stressed/failed species</li> <li>Response recommendations</li> <li>Report to be submitted to Town</li> </ul>   | Annually         | <ul style="list-style-type: none"> <li>Replacement of failed trees</li> <li>Enhanced after-care</li> </ul>  |

**Kimvar Enterprises Inc.  
Big Bay Point Resort – Tree Clearing Monitoring Program Matrix – Tree Clearing Stages 1A, 1B and 1B2**

| Study/Report Reference  | Component  | Potential Impact  | Proposed Mitigation Action  | Monitoring Protocol  |   |   | Reporting Protocol  |                  | Response to Monitoring Outcome   |
|---|--|---|---|--|---|---|---|------------------|--|
|   |  |   |   | Methods  | Frequency / Timing  | Duration  | Content   | Reporting Period |  |
| Tree Clearing Plans<br><br>Schollen & Company Inc. / SCS Consulting Group Limited | Trees / vegetation communities designated to be retained | <ul style="list-style-type: none"> <li>Physical damage due to impact from tree removal equipment or earth moving equipment</li> <li>Root damage due to soil compaction</li> <li>Decline resulting from changes in drainage patterns / soil moisture regimes</li> </ul>  | <ul style="list-style-type: none"> <li>Erection and maintenance of tree protection fencing</li> <li>Installation of Jersey Barriers along edges of haul road</li> <li>Minimization of disturbance to ground plane – stumps are not to be grubbed as part of the tree clearing process, thus no changes in drainage patterns or soil moisture regimes</li> </ul>                         | <ul style="list-style-type: none"> <li>Visual inspection of tree protection fence to identify breaches of deficiencies</li> <li>Visual inspection of Jersey Barriers to identify potential deflection / displacement</li> <li>Visual inspection of trees / vegetation communities to identify limb and/or bark damage</li> <li>Compilation of photographic inventory from consistent vantage points</li> </ul>   | Sequential daily inspections to address full site on a weekly basis | Throughout period of active tree removal operations Throughout the period of hauling operations | <ul style="list-style-type: none"> <li>Report describing: <ul style="list-style-type: none"> <li>Findings of inspections with appropriate photographic documentation of impacts observed</li> <li>Remedial actions implemented</li> <li>Response recommendations</li> </ul> </li> <li>Report to be submitted to Town</li> </ul> | Bi-weekly        | <ul style="list-style-type: none"> <li>Arboricultural care to minimize further damage to impacted trees</li> <li>Relocation / repair or reinforcement of tree protection fence to mitigate potential further impacts</li> <li>Repair / resetting of Jersey Barriers</li> </ul> |
|   | Newly created forest edge resulting from tree clearing   | <ul style="list-style-type: none"> <li>Decline in health of trees at exposed forest edge</li> <li>Loss of forest edge trees due to wind throw</li> <li>Colonization of forest edge by non-native invasive species</li> <li>Exposure of hazard trees to public use areas</li> <li>Physical damage due to tree felling</li> </ul> | <ul style="list-style-type: none"> <li>Installation of tree protection fence at limit of tree clearing</li> <li>Implementation of edge management plantings to achieve a more robust edge condition</li> <li>Identification and removal of hazard trees</li> <li>Contractor education seminar to provide instruction on clearing techniques and tree protection requirements</li> </ul> | <ul style="list-style-type: none"> <li>Visual inspection of forest edges to assess condition of trees and note changes in tree health and composition of vegetation community</li> <li>Personnel carrying out the visual inspection will be equipped with tools / materials required to cut and remove invasive species and apply herbicides to invasive species immediately in order to minimize potential for infestation and colonization.</li> <li>Compilation of photographic inventory from consistent vantage points</li> </ul> | Twice yearly / Early summer and late fall                           | During construction period  | <ul style="list-style-type: none"> <li>Report characterizing conditions of trees at forest edge</li> <li>Map indicating location of hazard trees and invasive species</li> <li>Photographic inventory</li> <li>Response recommendations</li> <li>Report to be submitted to Town and LSRCA</li> </ul>                            | Annually         | <ul style="list-style-type: none"> <li>Remedial planting</li> <li>Removal of hazard trees</li> <li>Removal of invasive non-native vegetation</li> </ul>  |

Kimvar Enterprises Inc.

Big Bay Point Resort – Tree Clearing Monitoring Program Matrix - Tree Clearing Stages 1A, 1B and 1B2

| Study/Report Reference                                       | Component  | Potential Impact   | Proposed Mitigation Action   | Monitoring Protocol   |   |                                     | Reporting Protocol  |                  | Response to Monitoring Outcome   |
|--|--|--|--|---|---|-------------------------------------|---|------------------|--|
|  |  |  |  | Methods   | Frequency / Timing  | Duration                            | Content   | Reporting Period |  |
| Tree Inventory and Assessment<br><br>Schollen & Company Inc. | Trees / vegetation communities designated to be retained | <ul style="list-style-type: none"> <li>Physical damage due to impact from tree removal equipment</li> <li>Root damage due to soil compaction</li> <li>Decline resulting from changes in drainage patterns / soil moisture regimes</li> <li>Impacts to root systems due to excavation, grading or servicing</li> <li>Requirements for limb removal to provide clearance from buildings and infrastructure</li> <li>Decline in health due to changes in soil moisture regimes</li> </ul> | <ul style="list-style-type: none"> <li>Erection and maintenance of tree protection fencing</li> <li>Arboricultural care to remove limbs surgically prior to potential impact</li> <li>Implementation of site specific recommendations to mitigate impact on root zones and offset potential changes in soil moisture regimes</li> <li>Contractor education seminar to provide instruction on clearing techniques and tree protection requirements</li> </ul> | <ul style="list-style-type: none"> <li>Visual inspection of tree protection fence to ensure integrity</li> <li>Visual inspection of trees / vegetation communities to identify damage to trees and root zones</li> <li>Compilation of photographic inventory to document findings of inspections</li> </ul> | Sequential daily inspections to address full site on a weekly basis | Throughout duration of construction | <ul style="list-style-type: none"> <li>Report describing:                             <ul style="list-style-type: none"> <li>Findings of inspections with appropriate photographic documentation of impacts observed</li> <li>Remedial actions implemented</li> <li>Response recommendations</li> </ul> </li> <li>Report to be submitted to Town and LSRCA</li> </ul> | Bi-weekly        | <ul style="list-style-type: none"> <li>Arboricultural care to minimize further damage to impacted trees</li> <li>Relocation / repair or reinforcement of tree protection fence to mitigate potential further impacts</li> <li>Recommendation of alternative construction methods, equipment to minimize likelihood of impacts on root zones</li> </ul> |

Kimvar Enterprises Inc.

Big Bay Point Resort – Tree Clearing Monitoring Program Matrix - Tree Clearing Stages 1A, 1B and 1B2

| Study/Report Reference   | Component                | Potential Impact  | Proposed Mitigation Action  | Monitoring Protocol   |                                      |                        | Reporting Protocol   |                  | Response to Monitoring Outcome  |
|--|--------------------------|---|---|---|--------------------------------------|------------------------|--|------------------|---|
|  |                          |   |   | Methods   | Frequency / Timing                   | Duration               | Content  | Reporting Period |   |
| Reforestation / Compensation Plan<br><br>Schollen & Company Inc. | Newly planted vegetation | <ul style="list-style-type: none"> <li>Stress or failure of newly planted vegetation resulting from wind, drought, rodent damage or microclimate conditions</li> <li>Colonization by invasive non-native vegetation</li> <li>Physical damage due to deer / wildlife browsing</li> </ul> | <ul style="list-style-type: none"> <li>After-care program including periodic watering, maintenance of rodent guards and installation of mulch</li> <li>Removal of non-native species</li> </ul> | <ul style="list-style-type: none"> <li>Visual inspection to identify plants / vegetation communities exhibiting stress</li> <li>Photographic inventory to document findings of inspection</li> <li>Mapping that indicates the locations of stressed/failed vegetation and/or areas of non-native plant infestation</li> <li>Personnel carrying out the visual inspection will be equipped with tools / materials required to cut and remove invasive species and apply herbicides to invasive species immediately in order to minimize potential for infestation and colonization.</li> </ul> | Twice yearly / early summer and fall | 2 years after planting | <ul style="list-style-type: none"> <li>Letter report describing:                             <ul style="list-style-type: none"> <li>Findings of inspections</li> <li>Requirements for replacement of failed plant material</li> <li>Recommendations for eradication of specific invasive species</li> <li>Recommendations for enhanced after care</li> </ul> </li> <li>Report to be submitted to Town and LSRCA</li> </ul> | Annually         | <ul style="list-style-type: none"> <li>Replacement of failed plant material</li> <li>Implementation of supplementary after-care actions</li> <li>Eradication of invasive species through cutting, removal or herbicide application</li> <li>Installation of barrier fencing to limit deer browse</li> </ul> |