



Government of Newfoundland and Labrador
Department of Environment and Conservation
Water Resources Management Division

PERMIT TO ALTER A BODY OF WATER

Pursuant to the *Water Resources Act*, SNL 2002 cW-4.01, Section(s) 48

Date: **JULY 10, 2014**

File No: **523-08, 560-03**

Permit No: **ALT7548-2014**

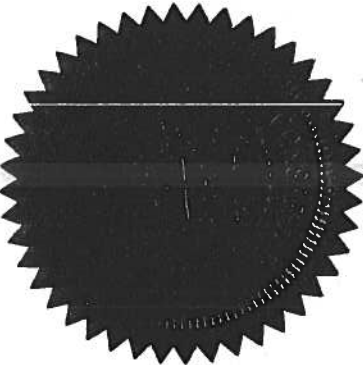
Proponent: **Karamar Holdings Ltd.**
PO Box 8362
St. John's NL A1B 3N7

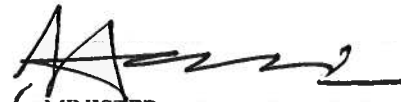
Attention: **Mr. Philip O'Keefe**

Re: **Portugal Cove - St. Philip's (Broad Cove River) - Pipe crossing in the designated floodplain of Broad Cove River**

Permission is hereby given for : **the construction of pipe crossing in the designated floodplain of Broad Cove River to support the development of Dogberry Hill Road Residential Subdivision in the Town of Portugal Cove - St. Philip's, with reference to application dated July 09, 2014.**

- This permit does not release the proponent from the obligation to obtain appropriate approvals from other concerned provincial, federal and municipal agencies.
- The proponent must obtain the approval of the Crown Lands Division of the Department of Environment and Conservation if the project is being carried out on Crown Land.
- This permit is subject to the terms and conditions indicated in Appendix A (attached).
- It should be noted that prior to any significant changes in the design or installation of the proposed works, or in event of changes in ownership or management of the project, an amendment to this permit must be obtained from the Department of Environment and Conservation under Section 49 of the *Water Resources Act*.
- Failure to comply with the terms and conditions will render this permit null and void, place the proponent and their agent(s) in violation of the *Water Resources Act* and make the proponent responsible for taking any remedial measures as may be prescribed by this Department.




MINISTER

APPENDIX A
Terms and Conditions for Environmental Permit

Portugal Cove - St. Philip's (Broad Cove River) - Pipe crossing in the designated floodplain of Broad Cove River

Pipe Crossing

1. Infilling must not cause increased water elevation upstream or increase flow velocity downstream of the site. Reduction of the natural cross sectional area of any watercourse is not permitted.
2. Completed pipe crossings must provide a minimum cover of 0.6 metres of stable compacted material sufficient to resist scouring and erosion. The finished surface cover must not extend above the original grade of the channel.
3. Where pumping is used to bypass flow, cofferdams must be installed both above and below areas of construction. The proponent must provide pumps with sufficient capacity to prevent washout of cofferdams.
4. Cofferdams must be properly designed and constructed of suitable materials to prevent leakage and to resist loss of any material as a result of erosion. Cofferdams must be removed upon completion of their intended function. All material must be removed carefully to prevent disturbance of the water body and to prevent water quality degradation.
5. A temporary diversion channel adequate to convey flow without causing erosion or downstream siltation may be employed during construction of the stream crossing. After the installation is complete, all flow must be diverted back into the fully reinstated original channel. The temporary channel must be permanently closed to all flow, backfilled and the area must be restored to its original condition.

Flood Zone Development

6. The proponent's property is within the designated flood plain for the Town of . This development, and future development at the site, must comply with this Department's policy directive for *Flood Plain Management W.R. 96-1*.
7. Any further development in the flood zone area not specifically covered by this permit will require a separate permit from this Division under Section 48 of the *Water Resources Act*.
8. The sanitary sewer pipe crossing will not interfere with the flow of water or displace water such that it creates a worse flooding situation for other properties or neighbouring area.

General Alterations

9. Any work that must be performed below the high water mark must be carried out during a period of low water levels.
10. Any flowing or standing water must be diverted around work sites so that work is carried out in the dry.
11. Water pumped from excavations or work areas, or any runoff or effluent directed out of work sites, must have silt and turbidity removed by settling ponds, filtration, or other suitable treatment before discharging to a body of water. Effluent discharged into receiving waters must comply with the *Environmental Control Water and Sewage Regulations, 2003*.
12. All operations must be carried out in a manner that prevents damage to land, vegetation, and watercourses, and which prevents pollution of bodies of water.
13. The use of heavy equipment in streams or bodies of water is not permitted. The operation of heavy equipment must be confined to dry stable areas.
14. All vehicles and equipment must be clean and in good repair, free of mud and oil, or other harmful substances that could impair water quality.
15. During the construction of concrete components, formwork must be properly constructed to prevent any fresh concrete from entering a body of water. Dumping of concrete or washing of tools and equipment in any body of water is prohibited.
16. Wood preservatives such as penta, CCA or other such chemicals must not be applied to timber near a body of water. All treated wood or timber must be thoroughly dry before being brought to any work site and installed.

17. Any areas adversely affected by this project must be restored to a state that resembles local natural conditions. Further remedial measures to mitigate environmental impacts on water resources can and will be specified, if considered necessary in the opinion of the Department.
18. The bed, banks and floodplains of watercourses, or other vulnerable areas affected by this project, must be adequately protected from erosion by seeding, sodding or placing of rip-rap.
19. All waste materials resulting from this project must be disposed of at a site approved by the Department of Service NL.
20. Periodic maintenance such as painting, resurfacing, clearing of debris, or minor repairs, must be carried out without causing any physical disruption of any watercourse. Care must be taken to prevent spillage of pollutants into the water.
21. The owners of structures are responsible for any environmental damage resulting from dislodgement caused by wind, wave, ice action, or structural failure.
22. Sediment and erosion control measures must be installed before starting work. All control measures must be inspected regularly and any necessary repairs made if damage is discovered.
23. Fill material must be of good quality, free of fines or other substances including metals, organics, or chemicals that may be harmful to the receiving waters.
24. The attached Completion Report (Appendix B) for Permit No. 7548 must be completed and returned to this Department upon completion of the approved works.
25. This Permit is valid for two years from the date of issue. Work must be completed by that date or the application and approval procedure must be repeated.
26. The location of the work is highlighted on the Location Map for this Permit attached as Appendix C.
27. All work must be carried out within the proponent's legal property boundaries.
28. Pictures must be submitted along with the completion report, showing the project site prior to and after development.

- cc: Dr. Amir Ali Khan, P. Eng.
Manager, Hydrologic Modelling Section
Water Resources Management
Environment and Conservation
P.O. Box 8700
4th Floor, West Block, Confederation Building
St. John's, NL A1B 4J8
- cc: File Copy for Binder
- cc: Mr. Steve Barnable (E)
Regional Lands Manager (Acting)
Department of Environment and Conservation
5 Mews Place
PO Box 8700
St. John's NL A1B 4J6
- cc: Fisheries Protection Division
Ecosystem Management Branch
Fisheries and Oceans Canada
P.O. Box 5667
St. John's NL A1C 5X1
- cc: Town of Portugal Cove-St. Philip's
Ms. Loretta Tucker
1119 Thorburn Road
Portugal Cove-St. Philip's NL A1M 1T6
- cc: Mr. Jason Rideout, P. Eng.
Dynamic Engineering Limited
62 Campbell Avenue
St. John's NL A1B 3N7



Government of Newfoundland and Labrador
Department of Environment and Conservation
Water Resources Management Division

Appendix B - Completion Report

Pursuant to the *Water Resources Act*, SNL 2002 cW-4.01, Section(s) 48

Date: **JULY 10, 2014**

File No: **523-08, 560-03**

Permit No: **ALT7548-2014**

Proponent: **Karamar Holdings Ltd.**
PO Box 8362
St. John's NL A1B 3N7

Attention: **Mr. Philip O'Keefe**

Re: **Portugal Cove - St. Philip's (Broad Cove River) - Pipe crossing in the designated floodplain of Broad Cove River**

Permission was given for : the construction of pipe crossing in the designated floodplain of Broad Cove River to support the development of Dogberry Hill Road Residential Subdivision in the Town of Portugal Cove - St. Philip's, with reference to application dated July 09, 2014.

I (the proponent named above or agent authorized to represent the proponent) do hereby certify that the project described above was completed in accordance with the plans and specifications submitted to the Department of Environment and Conservation and that the work was carried out in strict compliance with the terms and conditions of the Permit issued for this project.

Date: _____ Signature: _____

This completion report must be completed and forwarded to the following address upon completion of the approved work.

Department of Environment and Conservation
Water Resources Management Division
PO Box 8700
St. John's NL A1B 4J6

APPENDIX C
Location Map for Environmental Permit

