



RFP Addendum #1

Master Drainage Plan

Date of Addendum: June 13th, 2025.

Link to Request for Proposals: <https://www.tlaaminnation.com/rfp-master-drainage-plan/>

NOTICE TO ALL POTENTIAL RESPONDENTS:

The Request for Proposals (RFP) is modified as set forth in this Addendum. The original RFP Documents and any previously issued addenda remain in full force and effect, except as modified by this Addendum, which is hereby made part of the RFP.

Respondent shall take this Addendum into consideration when preparing and submitting its Proposal. This Addendum includes all Questions we have received from potential Respondents, and Answers to provide more information for these inquiries.

QUESTIONS & ANSWERS:

Is there an existing model and can it be made available, for review while tendering to determine gaps/needs, and level of effort.

- a. Need version, major/minor version, service pack, software build, etc.**
- b. Will updated or newer GIS data, survey or aerial imagery be provided?**

What GIS version /date / snapshot is most current?

No, the existing model cannot be shared during the tendering phase. However, the following materials can be made available to the successful proponent during the course of the work, subject to the availability of the GIS team:

Software and Hardware

- GIS Platform: ArcGIS Enterprise 11.1 on Microsoft SQL Server
- Desktop GIS: ArcGIS Pro 3.5.0
- Field Data Collection: ArcGIS Field Maps
- GNSS Equipment: Eos Silver Arrow GNSS Receiver

Applicable Data Models

- LiDAR and Orthophoto (2016)
- Creek Inundation Model
- Projected Sea Level Rise Model



Spatial Inventory

- **Storm System Asset Inventory**

- Data gap between 2016 and 2021.
- Updates from 2021 to present have been made on an ad-hoc basis, typically when notified of development or repair activities.
- A spreadsheet is provided with this addendum in *Appendix A*.

Inventory Notes

- Attribute completeness is limited.
- Photos and condition/status data exist for culverts and ditches (with dates).
- Presence of redundant legacy attributes (e.g., “ARCS”).

Can the latest build of GIS data be made available for tendering?

At this time, the latest build of GIS data will not be made available during the tendering process. However, a GIS snapshot of the storm system has been included in *Appendix C* to provide prospective bidders with a general understanding of the existing infrastructure. Full access to the GIS dataset can be provided to the successful proponent upon contract award. Respondents should outline their requirements for GIS data in their proposals, including format and accuracy needs, and describe how they will address potential gaps in the data.

DNA 2008 report Table 6-1 Proposed Drainage Upgrades, can Tla’amin Nation provide a summary/status update of that list of projects as complete/not yet complete/ in progress and provide as-builds design files for each.

Table 6-1: Proposed Drainage Upgrades

No.	Location	Description	Status
1	River Road	Construct additional ditching along the south side of River Road to the west of Sliammon Road	
2	Eagle Drive	Install rear yard interceptor ditches behind houses	
3	Homalco Road	Install rear yard interceptor ditches behind houses	
4	Harwood Drive	Install rear yard interceptor ditches behind houses	
5	Outfall (A)	Install new 600mm culvert	
6	Outfall (B)	Install new 600mm culvert	
7	Outfall (C)	Install new 600mm culvert	
8	Household Level	Installing perimeter drains and yard drainage swales for houses with leaking basements	
9	Household Level	Improving lot grading and building swales on lots with drainage issues and those backing onto the new rear yard interceptor ditches	



As of this time, no drainage upgrade projects listed in Table 6-1 of the *DNA 2008 Report* have been implemented. Accordingly, there are no status updates to provide regarding completion, progress, or design development. As-built or design files are not available, as no work was undertaken based on the recommendations in that report. Successful proponent is expected to assess current conditions through field investigations and provide updated recommendations based on existing infrastructure and community needs.

Does Tla'amin Nation have a modeling specification or set of storm requirements to be modelled?

No, Tla'amin Nation doesn't have a modeling specification or set of storm requirements. Respondents are expected to propose appropriate modeling specifications and storm requirements based on industry best practices, local climate data, and the specific needs of the Tla'amin Nation, as identified through stakeholder consultation and site assessment.

Is the current land-use plan (Sept 14, 2014) (By Dillon Consulting Ltd.) sufficient and capturing of all known, planned, and probable development areas, or are there other potential development areas coming? A. Please provide area maps and proposed land use activities of areas that are not defined in that document, or changes since.

For t̓išosəm, the 2010 Tla'amin Land Use Plan is the primary planning document that should be utilized for lands designated "Tla'amin Community Lands". However, portions of t̓išosəm that were once designated "Forest Designation" in the 2010 Land Use Plan (exclusive of Woodlot 1672) have been re-designated "Tla'amin Community Lands" in the 2014 LUP. The areas zoned as "Tla'amin Community Lands" are meant for development. The respondents should look to both previous LUPs and the designations for these areas. We are currently in the beginning phases of updating our LUPs, with an interest in developing both a t̓išosəm plan and a plan for Treaty Settlement Lands. We are currently completing the Complete Communities Assessment, which will give some insights as to the needs of community and future changes to land uses in t̓išosəm. We are unable to provide maps at this time but will notify the consultant as soon as those changes are identified. For now, these previous LUPs remain the documents to reference.

Can TN provide residences/ O&M requests for service data? Reports/ records of known issues, cross-connections, known problem areas? For review in tendering.



While the 2008 David Nairne report includes a survey of residents and discusses known drainage issues, comprehensive residences/O&M requests for service data may not be readily available. Respondents should outline their approach to gathering information on known drainage issues, which may include resident interviews, site observations, and review of any available records. Also, an updated record of known issues is attached to this addendum in *Appendix B*.

Are there any combined storm sewers in the community?

No. The drainage system in the Tla'amin Nation community mostly consists of roadside ditches and culverts.

Are there any current or planned treatment devices for stormwater coming into any developments in the community? Stormceptors, jelly fish, filters, membranes, rain gardens?

There are no current stormwater treatment devices such as Jellyfish filters, membranes, or similar technologies within community developments. However, a rain garden is in place at the Tla'amin Nation Cultural Center, providing a small example of green infrastructure in use.

Can TN provide specific details regarding Hwy 101 known projects, plans, or as builds of infrastructure interfacing to the MOTI network?

The 2008 David Nairne report indicates that coordination with the Ministry of Transportation and Infrastructure (MOTI) is necessary for any work affecting Highway 101. The availability of specific details on MOTI projects is uncertain. Consultants should propose a strategy for engaging with MOTI to obtain necessary information and ensure coordination. As of now, there are no major upcoming projects planned for Highway 101.

Has Tla'amin Nation obtained any funding for, or conducted any coastal vulnerability studies (complete or work in progress) for flood risk assessments (from inland water bodies or from the sea), tsunami height/risk assessments, and/or flood construction levels (FCL)?

The Tla'amin Nation is currently in the process of completing a Tla'amin Shoreline Study, which is expected to include relevant information regarding coastal vulnerability, and



flood construction level (FCL) considerations. This study is actively underway and may be made available to the successful proponent once finalized.

In addition to this, some information relevant to the region can also be found in the [gathet Regional Coastal Flood Adaptation Strategy](#). While this strategy is regional in scope, it includes valuable info and assessments that may apply to or inform Tla'amin lands, particularly for coastal flood risks and adaptation planning.

The DNA 2008 environmental scoping report as appended to the DNA 2008 MDP references in item 4, on page 4, an environmental assessment that was yet to be completed. Was that work started or completed? Can that Environmental Assessment report (complete or work in progress) be made available?

Only the environmental scoping work referenced in the *DNA 2008 Environmental Scoping Report* was completed. No formal environmental assessments were initiated or completed following that scoping exercise. As such, there are no environmental assessment reports, either in progress or finalized available for review.

Any questions related to the RFP and this Addendum can be emailed to publicworks@tn-bc.ca

Appendix A: Storm System Asset Inventory Spreadsheet.

Appendix B: Drainage Issues reported in 2021

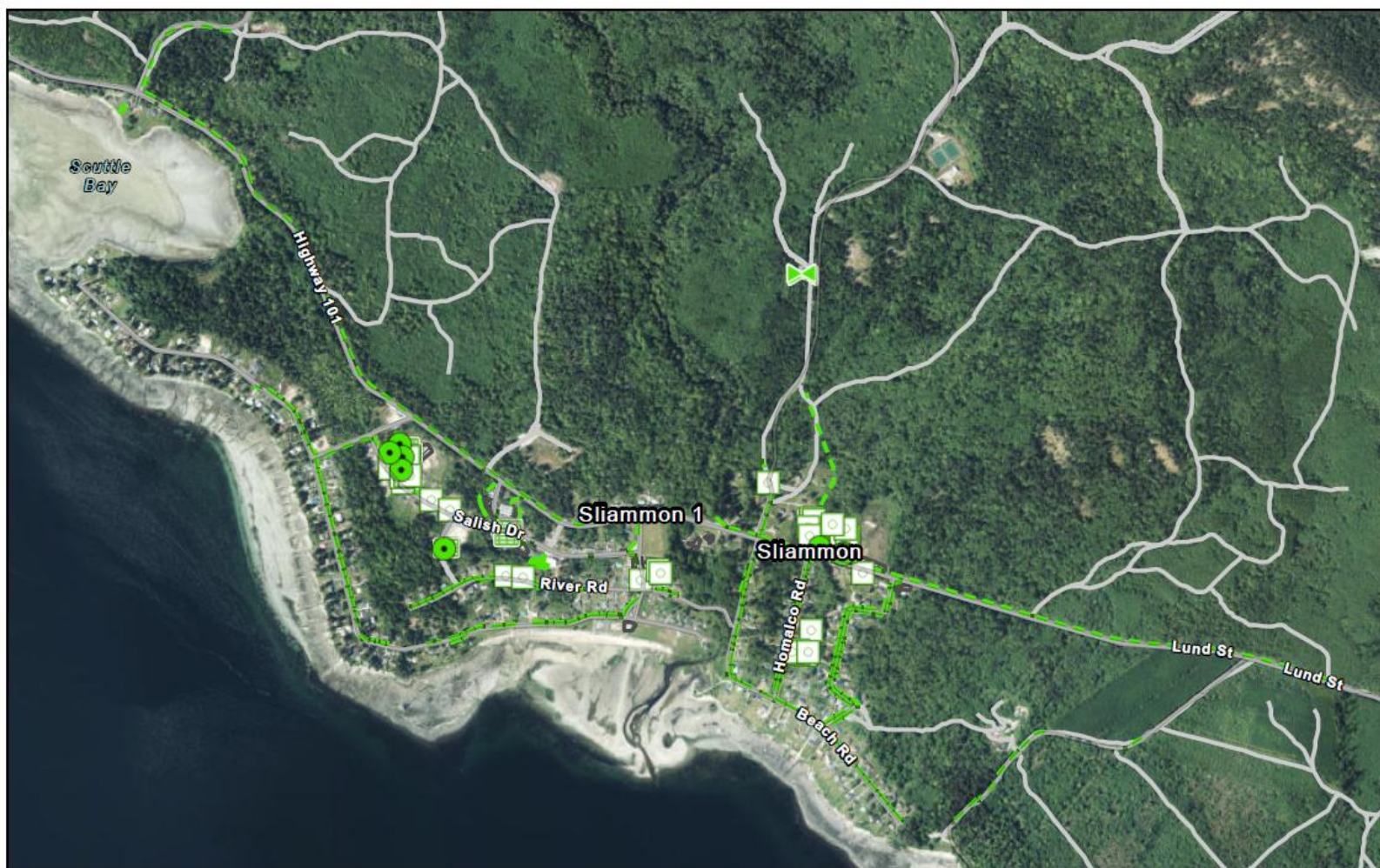
- Eagle Drive ditch overflows – at intersections of River and Beach Roads.
- 5137 Beach Road.
- 6686 Sliammon Rd.
- 6645 Harwood Drive
- 4982 Waterfront Road
- 4869 River Road
- 5253 Beach Road
- 5202 Beach Road
- 5207 Beach Road
- 4960C Waterfront Road
- 5145 Beach Road
- 5237 Beach Road –carport flooded May 12
- Beach Road ditch – all the way behind Beach Road from Harwood to Gibsons needs attention
- Ditch behind homes on River Road (health center, down from salish, etc)
- 6681 Eagle Dr – ditch but no culvert under the driveway – drainage goes in towards house.
- 4872 Waterfront Rd – needs curtain drain



- 6714 Eagle Dr – needs curtain drain
- 6628 Klahanie Dr – crawlspace floods
- Culvert under the road from 4898 River Rd -to trail between 4915 River Rd. This culvert is undersized and fills up when there is a lot of rain.
- 4950 Waterfront Rd – water reported in basement

Please note that, these drainage issues were reported in 2021; however, to date, no significant remedial actions have been undertaken to address them. As such, the successful consultant's scope of work will include conducting a thorough review of these locations along with the other portion of the village. Where necessary, this may involve undertaking a more robust site survey to accurately assess current conditions and determine appropriate mitigation measures. There is currently no documented record of follow-up investigations or resolutions for the identified problem areas, and it will be the responsibility of the consultant to evaluate each site and provide informed recommendations.

Appendix C: A GIS snapshot of storm sewer system.



2025-06-03

			High Resolution 60cm Imagery
			High Resolution 30cm Imagery
			Citations
			4.8m Resolution Metadata

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Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community, qathet Regional District, Maxar