February 2, 2016

Dear [Redacted]:

Re: Your request for access to information under Part II of the Access to Information and Protection of Privacy Act (Act) [Our file #ENV/002/2016]

On January 7, 2016 the Department of Environment and Conservation received your request for access to the following records/information:

"Any and all documents related to Permit to Construct Application (#WS4557.) Especially the application itself."

I am pleased to inform you that a decision has been made by the Deputy Minister of the Department of Environment and Conservation to grant access in part to the requested information. Portions of the attached documents have been severed in accordance with the following exceptions to disclosure as specified in the Act:

40(1): The head of a public body shall refuse to disclose personal information to an applicant where the disclosure would be an unreasonable invasion of a third party's personal privacy

40(2)(k): A disclosure of personal information is not an unreasonable invasion of a third party's personal privacy where the disclosure reveals details of a licence, permit or a similar discretionary benefit granted to a third party by a public body, not including personal information supplied in support of the application for the benefit

40(4)(e): A disclosure of personal information is presumed to be an unreasonable invasion of a third party's personal privacy where the personal information consists of an individual's bank account information or credit card information

As required by subsection 8(2) of the Act, we have severed information that is exempted from disclosure and have provided you with as much information as possible. In accordance with your request, the appropriate copies of records have been enclosed.

Section 42 of the Act provides that you may ask the Information and Privacy Commissioner to review the processing of your access request or you may appeal to the Supreme Court Trial Division. A request to the Commissioner must be made in writing within 15 business days of the date of this letter or within a longer period that may be allowed by the Commissioner.
The address and contact information of the Information and Privacy Commissioner is as follows:

Office of the Information and Privacy Commissioner
2 Canada Drive
P. O. Box 13004, Stn. A
St. John's, NL
A1B 3V8
Telephone: (709) 729-6309
Toll-Free: 1-877-729-6309
Facsimile: (709) 729-6500

In the event that you choose to appeal to the Trial Division, you must do so within 15 business days after you receive the decision of the public body, pursuant to section 52 of the Act.

Please be advised that this response will be published following a 72 hour period after it is sent electronically to you or five business days in the case where records are mailed to you. It is the goal to have the response posted to the Office of Public Engagement's website within one business day following the applicable period of time. Please note that requests for personal information will not be posted online.

If you have any further questions, I can be reached by telephone at (709) 729-7183 or by e-mail at courtneyblundon@gov.nl.ca

Sincerely,

[Signature]

COURTNEY BLUNDON
Departmental ATIPP Coordinator
PERMIT TO CONSTRUCT

Pursuant to the Water Resources Act, SNL 2002 cW-4.01, Section(s) 36, 37, 48

Date: APRIL 22, 2009
Proponent: Town of Paradise
28 McNamara Drive
Paradise NL A1L 0A6
Attention: Mr. Dave Strong, CAO
Re: 2009 Water and Sewer, Deborah Lynn Heights

File No: 844,066.11
Permit No: WS4557

Permission is hereby given for: the construction and installation of approximately 1096 metres of 200 mm watermain, 48 metres of 150 mm DICL watermain, 1105 metres of 200 mm PVC sanitary sewer, 142 metres of 150 mm DICL sanitary sewer forcemain, a duplex sewage pumping station and the replacement of existing culverts in order to service 40 existing homes on Deborah Lynn Heights as described in a specification entitled, "Specifications For Town of Paradise, 2009 Water and Sewer, Deborah Lynn Heights", as well as a set of 6 drawings as received from BAE-Newplan Group Limited on April 14, 2009.

- This permit does not release the proponent from the obligation to obtain appropriate approvals from other concerned provincial, federal and municipal agencies.

- 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
GOVERNMENT OF NEWFOUNDLAND AND LABRADOR
Department of Environment and Conservation

APPENDIX A
Terms and Conditions for Environmental Permit

2009 Water and Sewer, Deborah Lynn Heights

Water & Sewer General

1. 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.

2. 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.

3. 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.

4. All waste materials resulting from this project must be disposed of at a site approved by the regional Government Service Centre of the Department of Government Services.

5. The works proposed in this undertaking must meet the requirements of the latest applicable codes and standards, and in particular the Government of Newfoundland and Labrador Guidelines for The Design, Construction, and Operation of Water and Sewerage Systems and the Municipal Water, Sewer and Roads Specifications.

6. The work must be undertaken in strict compliance with the submitted documents and the latest version of the Municipal Water, Sewer and Roads Master Construction Specifications. A copy of all documents, including the Municipal Water, Sewer and Roads Master Construction Specifications must be available for viewing at the construction site office at all times.

7. Liaison is to be maintained with the Design Approval Specialist representing the Community Water and Wastewater Section of this Department, during the construction and operation of the project. The Specialist shall be notified of the pre-construction and post-construction meetings so that he may attend, if deemed necessary. He can be reached at telephone (709) 729-2558.

8. Officials of this Department may visit the project from time to time to ensure that work is carried out within the provisions of this Permit, and is not creating any environmental hazard.

9. Any changes in the approved works, or works other than those specified in the application, must be submitted, in writing, to this Department, and approved, in the form of an Amendment to this Permit, prior to any work.

10. Copies of this Permit, as well as any subsequent Amendments, must be provided to the contractor(s) who will be carrying out these works, and to the engineer's site representative.

11. The attached Completion Report (Appendix B) for Permit No. 4557 must be completed and returned to this Department upon completion of the approved works.

12. 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.

Water & Sewer Installation

13. Where the horizontal separation between watermains (including hydrant leads and drains) and sewers is less than 3.0 metres, the watermain shall be laid in a separate trench, or on an undisturbed earth shelf located on one side of the sewer and at such an elevation that the invert of the watermain shall be a minimum of 450 mm above the crown of the sewer and 300 mm horizontally from the sewer measured edge to edge.
14. Water mains (including hydrant leads) crossing sewers should be laid to provide a minimum vertical distance of 450 mm between the outside of the watermain and the outside of the sewer. This should be the case where the watermain is either above or below the sewer with preference to the watermain located above the sewer. At crossings, above or below, one full length of water pipe shall be located so both joints will be as far from the sewer as possible. Special structural support for the water and/or sewer pipes may be required.

15. There shall be at least 3.0 m horizontal separation between water mains and sanitary sewer forcemains. Water mains crossing forcemains shall be laid to provide a minimum vertical separation of 450 mm between the crown of the forcemain and the invert of the watermain. Also in this regard, one full length of water main should be centered over the forcemain so that both joints will be as far from the forcemain as possible.

Water Systems

16. All homes to be connected to the town's distribution system must have their existing private supplies permanently disconnected so as not to create cross-connections with the town's distribution system.

17. Under no circumstances shall sewage be permitted to enter the waterline trench during or after construction.

18. All new waterlines and appurtenances shall be hydrostatically tested in accordance with the Municipal Water, Sewer and Roads Specifications.

19. All components, lubricants and chemicals provided shall be compatible for use with drinking water and shall meet the requirements of ANSI/NSF 60 Drinking Water Treatment Chemical Standard and ANSI/NSF 61 Drinking Water and System Component Standard.

20. Water mains should not pass within 15.0 metres of any part of an in-ground sewage disposal system.

21. Water service lines should not pass within 7.5 metres of an in-ground sewage disposal system. In general, the following conditions should be met in regards to water service lines: There is no joint in the service line between the dwelling and the connection to the curb stop. The groundwater level should not be above the service line. The service line should be placed upslope of the sewage disposal field. If these conditions are not met, consideration should be given to increasing the distance between the service line and the in-ground sewage disposal system, providing extra protection against contamination.

22. All new lines and appurtenances must be disinfected by an approved method described in the latest edition of the AWWA C651 Standard for Disinfecting Water mains and using only chlorine products that are compliant with the NSF 60 standard.

23. After final flushing and before the new watermain is commissioned into service, two consecutive sets of samples, taken at least 24 hours apart, shall be collected and tested for bacteriological quality. A sample shall be collected for every 366 m of new watermain including the end of the main line and the end of each branch line. These sampling locations shall be determined by the engineer. A copy of test results shall be submitted to the Regional Environment Office (Water Resources Management Division) before the new extension or upgraded line or equipment is placed into service. In the event of any bacteria detected in the sample results, flushing and re-sampling may be attempted or the disinfection process will need to be repeated until results for two consecutive days are bacteria free as per C651.

24. For the purpose of disinfecting new or upgraded watermains, connection may only be made to the existing watermain provided a valve is installed that maintains a water tight seal. This valve may be operated to flush the new water extension before disinfection and post disinfection provided adequate measures and procedures are followed to avoid a backflow and contamination of the existing system.

Sewer Systems

25. Storm water drainage, including roof drains, weeping tile drains, and street drainage, shall not be connected to the sanitary sewer system.

26. In the event that private or existing sewer lines are disturbed during construction, the lines are to be restored to their original working condition. Care shall be taken to ensure that soil or other material does not enter the lines to cause blockage.
27. The flow channel through manholes should be made to conform in shape and slope to that of the sewer.

28. Where storm sewer and sanitary sewer service laterals are extended to property boundaries for future connections, the stub ends must be clearly marked to identify storm and sanitary lines to prevent possible cross-connections.

Lift Stations and Forcemains
29. The sewage lift station must be equipped with a manual line transfer switch to accommodate an auxiliary power source during power outages.

30. There shall be at least 3.0 m horizontal separation between water mains and sanitary sewer forcemains. Water mains crossing forcemains shall be laid to provide a minimum vertical separation of 450 mm between the crown of the forcemain and the invert of the watermain. Also in this regard, one full length of watermain should be centered over the forcemain so that both joints will be as far from the forcemain as possible.

31. Forcemains shall enter the gravity sewer at a point not more than 600 mm above the flow line of the receiving manhole.

32. The direct connection of sanitary sewer services to sewage lift stations is not permitted. Connection may be made to a sewer main leading to the sewage lift station, or to a manhole immediately prior to the sewage lift station provided the sewer service lateral enters the manhole at the flow line.

33. Because the forcemain in this project is constructed of the same material as the watermain which might cause the forcemain to be confused with the watermain, then the forcemain shall be appropriately identified.

34. Automatic air relief valves shall be placed at all high points in the forcemain to prevent air locking.

35. Contingency plans must be established for mechanical and extended electrical failure for all sewage pumping stations. Alarm systems shall be activated in cases of power failure, pump failure, unauthorized entry, or any cause of pump station malfunction.

Miscellaneous
36. The proponent must prevent erosion of drainage ditches, streams or other natural bodies of water by installing rip-rap and/or sodding.

Culvert Installation
37. Drainage ditches must collect and transport surface runoff in a manner that does not cause flooding, erosion or sedimentation of adjacent land or receiving waters.

38. Inlet and outlet areas of culvert installations must be adequately protected from erosion by placing rip-rap, fitted stone, or concrete headwalls.

39. Culvert installations must follow the stream channel gradient to the maximum extent possible and placed in line with the direction of the main flow to minimize disturbance to the channel. Culverts must not disrupt the flow of water or cause ponding at the upstream side of the installation.

40. In multiple culvert installations, one culvert must be set a minimum of 150 mm lower than the others to provide adequate water depth and velocity for fish passage during low flow conditions. In addition, multiple culverts must be installed within 0.6 to 0.9 metres apart for maximum stability.

41. 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.

42. 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.
43. All work involving minor alteration to the stream channel to permit culvert placement must be carried out at a time of low flow, and in a manner that prevents downstream siltation and unnecessary alteration of the channel.

44. Grading and finishing of roadways or road embankments must not cause damage to culverts or allow road material to enter the watercourse.

45. Roadside embankments near the watercourse must be adequately protected from erosion by sodding, seeding or placing of rip-rap.

46. Culverts must be inspected regularly so that immediate action can be taken to clear blockages caused by ice or debris or to undertake repairs as required.

47. The inlet and outlet of culverts must be clearly marked so that operators of road grading and snow clearing equipment can avoid blocking culverts.

48. Any damage to culverts during installation or due to inadequate capacity and/or improper construction must be reported to this Department. Damaged culverts must be replaced immediately to prevent overtopping, erosion, or flooding.

49. If a culvert is installed in natural fish habitat it must be embedded a minimum of 150 mm below the natural streambed (up to a maximum of 1/3 of the culvert diameter).
cc: Mr. Terry Fleet (E)
Area Habitat Biologist - Eastern
Department of Fisheries and Oceans
1144 Topsail Road
St. John's NL A1N 5E8

cc: Mr. Jason Rideout, P. Eng.
BAE-Newplan Group
1133 Topsail Road
Mount Pearl NL A1N 5G2

cc: Mr. Ron Goulding
Design Approval Specialist
Department of Environment and Conservation
Water Resources Management Division
PO Box 8700
St. John's NL A1B 4J6

cc: Mr. John Dawe, P. Eng.
Department of Municipal Affairs
PO Box 8700
St. John's NL A1B 4J6

cc: Mr. Robert Picco, P. Eng.
Department of Municipal Affairs
PO Box 8700
St. John's NL A1B 4J6
Appendix B - Completion Report

Pursuant to the Water Resources Act, SNL 2002 cW-4.01, Section(s) 36, 37, 48

Date: APRIL 22, 2009

Proponent: Town of Paradise
28 McNamara Drive
Paradise NL A1L 0A6

Attention: Mr. Dave Strong, CAO

Re: 2009 Water and Sewer, Deborah Lynn Heights

Permission was given for: the construction and installation of approximately 1096 metres of 200 mm watermain, 48 metres of 150 mm DICL watermain, 1105 metres of 200 mm PVC sanitary sewer, 142 metres of 150 mm DICL sanitary sewer forcemain, a duplex sewage pumping station and the replacement of existing culverts in order to service 40 existing homes on Deborah Lynn Heights as described in a specification entitled, "Specifications For Town of Paradise, 2009 Water and Sewer, Deborah Lynn Heights", as well as a set of 6 drawings as received from BAE-Newplan Group Limited on April 14, 2009.

I (the proponent named above) 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
Goulding, Ron

From: Rideout, Jason [Jason.Rideout@snciavalin.com]
Sent: Thursday, April 09, 2009 10:27 AM
To: Goulding, Ron
Subject: RE: Paradise, 2009 W/S Deborah Lynn Heights

Ron

Thanks for your comments. Items 1 to 4 - agree with your comments and we will make the necessary changes to the drawings. Item 5 - we are doing a straight replacement of existing due to the existing being deteriorated to the point of replacement. We are going with the two 900’s just to replace what’s there and the HDPE is the preferred replacement material rather than the CSP. When the revisions are made as noted we will send you the revised digital copies.

Thanks
Jason

From: Goulding, Ron [mailto:rgoulding@gov.nl.ca]
Sent: April 9, 2009 9:58 AM
To: Rideout, Jason
Subject: Paradise, 2009 W/S Deborah Lynn Heights

Hi Jason,

I have reviewed the above and have noted the following that needs to be addressed.

1.) There are two areas (DEB353S and DEB399S) where the watermain will cross the forcemain that I would like to clarified on the drawings and that is the requirement that the forcemain has to be 450 mm below the watermain at all crossings.
2.) Where the forcemain will enter the manhole, the invert is too high as we only allow the invert to be no greater than 600 mm above the manhole invert.
3.) Where the forcemain will enter manhole DEB353S, both outlets of the sanitary sewers are at the same elevation so what will stop the forcemain effluent from going back into the gravity system from where it came from.
4.) Manhole DEB623S will have to be a drop manhole. This is not noted in the specifications.
5.) In regards to the stream crossing, the details should be shown in the profile drawing. Also, why is the existing 1630 x 1120 arch culvert that receives ditch drainage being replaced with another arch culvert and the existing 2-900 mm culverts at the stream being replaced with 2 new 900 mm culverts and not an arch culvert.
6.) When the revisions are made can you send me digital copies of the drawings.

Thanks

Ron Goulding
Design Approval Specialist
Department of Environment and Conservation
Water Resources Management Division
PO Box 8700
St. John's NL A1B 4J6
(709) 729-2558 (telephone)
(709) 729-0320 (facsimile)
Ron

As per your recent comments, please find attached revisions to the drawings to clarify your concerns. We have also made other changes on these drawings at the request of the Town and DMA, none of which should have any impact on the Environmental permit. Trust this is satisfactory and the permit will be forthcoming. If you have any concerns or wish to discuss, please feel free to contact me. I am attaching pdf's only and will send your digital copies on a CD (to be mailed out today).

For DMA, there will be some slight revisions to the estimate as a result of these changes. When we revise the estimate for tender, I will send you an updated copy at that time. Trust an approval to tender will be forth coming after receiving the permit from DOE.

Best Regards

Jason
March 10, 2009
723082-14

Department of Environment
P. O. Box 8700
West Block,
Confederation Complex
St. John's, NL
A1B 4J6

Attention: Mr. Haseen Khan, P. Eng.

Dear Sir:

Reference: Town of Paradise
2009 Water and Sewer – Deborah Lynn Heights

Please find enclosed for your review and approval, one (1) set of engineering drawings and specifications. Also enclosed is an application for permit for Water and Sewerage Works, permit fee schedule and associated cheque for $565.00 for the application fee.

If you have any questions or comments, please contact us at your convenience.

Yours very truly,

BAE•NEWPLAN GROUP LIMITED

[Signature]

Jason Rideout, P. Eng.
Project Engineer, Municipal/Civil Dept.

JR
Enclosure

cc: - Mr. Dave Strong, Town of Paradise
    - Mr. Bob Picco, P. Eng., DMA
    - Mr. John Dawe, P. Eng., DMA
    - Mr. Wayne Manuel, P. Eng., BNG
    - [Redacted] s.40(1)
Application for Permit
Water and Sewerage Works

Instructions: All applicants must complete items 1-9. Complete sections 9, 10, 11, 12, 13, 14, 15 and 16 as applicable. This form along with the attached Fee Schedule and drawings must be sent to the appropriate regional office with an additional copy sent to the headquarters office, Attention Mr. Haseen Khan, P. Eng.

Note: For submissions to the eastern regional office, a headquarters copy is not required.

A. General

As required under Sections 36, 37 and/or 48 of the Water Resources Act, SNL 2002, sW-4.01, the undersigned as owner □ or agent □ do hereby apply for your permission for the construction and installation of:

1. Paradise 2009 Water and Sewer – Deborah Lynn Heights

2. Name & address of proponent (owner) including contact person: Town of Paradise, 28 McNamara Drive, Paradise, NL A1L 0A6

   Mr. Dave Strong, Town Manager

3. Location of project: Deborah Lynn Heights

4. Project description: Extension of water and sewer services

5. Predesign report: Year: N/A Author:

6. Total service population: To date: ________ This project: ________ Future: ________

7. Status of units for servicing:

<table>
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<th>Type</th>
<th>No. to date</th>
<th>This project</th>
<th>Future</th>
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</thead>
<tbody>
<tr>
<td>House</td>
<td></td>
<td>40</td>
<td></td>
</tr>
<tr>
<td>School</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Medical Institution</td>
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<td></td>
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<tr>
<td>Industrial</td>
<td></td>
<td></td>
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<tr>
<td>Other (specify)</td>
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</tbody>
</table>

   Number of units for water service only: Sanitary survey conducted:

8. Permit Fee Submitted: $ 565.00 Cheque #: ________

9. Date: March 10, 2009 Signature:

   (If signed by an agent, attach written authorization duly executed by owner)
B. Water System

10. Details of Water Source and Distribution System

Source: Bay Bulls Big Pond

Available yield: _____ (m³/day) Storage: _____ (m³) Present demand: _____ (m³/day)

Type (gravity or pumped): Gravity

Bacteriological condition of source: Testing results submitted:

Chemical/physical water quality of source:

Testing results submitted:

Treatment proposed: (Complete Section 11)

Type of disinfection proposed:

Contact time provided: _____ (min.)

Future flows: estimated _____ (m³/day) Present flows: estimated _____ (m³/day) Metered flows: _____ (m³/day)

Estimated line pressure: _____ (kPa)

Distribution system storage proposed (type):

Volume: _____ (m³)

Expected residence time: _____ Residual chlorination provision:

Fire flows proposed: _____ Hydrants for this project:

Noted problems:

11. Water Treatment Plants: N/A

Treatment Objective:

Treatment process proposed (e.g. conventional, membrane, etc.):

Plant capacity: _____ (m³/day) Maximum daily demand: _____ (m³) Design period: _____ (yrs) Storage: _____ (m³)

Pretreatment:

Process description:

Disinfection: Chlorination □ UV □ Other □

Corrosion control proposed: Soda ash □ Lime □ Soda ash/lime combination □ Other:

Estimated sludge production: _____ (m³/year) Sludge disposal:

Testing facilities at plant: Sanitary facilities:

Backflow prevention device(s) proposed:

Comments/other details:
### C. Wastewater System

12. **Sanitary Sewers:**

<table>
<thead>
<tr>
<th>Sewage characteristics:</th>
<th>Domestic</th>
<th>Schools</th>
<th>Institutional</th>
<th>Industrial</th>
<th>Other</th>
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</thead>
<tbody>
<tr>
<td>% of total</td>
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<td></td>
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<tr>
<td>BOD₅ (mg/l)</td>
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<tr>
<td>TSS (mg/l)</td>
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</tbody>
</table>

Technical study completed (if yes, study name and date): ________________________________

Proposed sewer flows: ________ (l/s) Capacity of receiving sewer ________ (l/s) Condition of receiving sewer: __________

Storm water problems: ______________________________________________________________

Location of outfall (UTM coordinates and NAD) ________________________________

Length of outfall from last manhole: ________ (m) Depth of water over outfall pipe: ________ (m)

Serviced area: ________ (Ha) Total flow: ________ (m³/day)

Outfall area description: (pond/river/harbour/ocean, dispersion, dilution, tidal action, prevailing winds, etc.)

Existing or potential problems (shoreline impacts, fisheries impacts, damaged outfall, etc.)

---

13. **Sewage Lift Stations**

Number: ________

Type (wet/dry) wet

Capacity of each (l/s): Station sized for 12.5 l/s Estimated load on each (l/s) 12.5 l/s (peak flows based on future development)

Provisions for electrical/mechanical failure: See drawings
D. Alterations to a Water Body

15. Pipelines Crossing Streams (See drawings – 2 Crossings)

Included on drawings (check) General site plan □ Cross-sectional plan □ Profile □

Location: (UTM coordinates and NAD) ________________________________

Channel slope _______ Depth below stream bed (including concrete encasement, if applicable) (m)

Concrete encasement dimensions _________ (mm) x (mm) x (mm)

Physical description of stream bottom:
- Material type: Clay □ Sand □ Gravel □ X Cobble □ X Boulder □
- Presence of vegetation: None □ Sparse □ Moderate □ X Heavy □
- Particle size: _______ (mm) Depth to bedrock: _______ (m) Manning’s n: _______

Hydraulic description:
- Minimum flow: _______ (m³/s) Minimum velocity: _______ (m/s)
- Maximum flow: _______ (m³/s) Maximum velocity: _______ (m/s)

Construction Details (include method of dewatering, diversion, etc.)
Brook crossings will use best construction practices as set out by the Dept of Environment and DFO Guidelines.

16. Storm Sewer Discharge  N/A

Included on drawings (check) Headwall details □ Location plan □ General site plan □ Drainage area □

Setback from river, stream, pond or lake _________ (m)

Hydraulic description:
- Maximum flow _______ (m³/s) Maximum velocity _______ (m/s)

Construction Details

If additional details are needed on the required information, please contact
Haseen Khan, P. Eng. at (709) 729-2535
(a) Water and/or sewer servicing
1 - 10 services ........................................... $200
11 - 25 services ........................................... $300
26 - 100 services ........................................... $500
more than 100 services .................................... $1,000

(b) Sewage pumping, outfall sewer, or sewage treatment
less than 25,000 litres per day ................................ $200
25,001 - 100,000 litres per day ............................ $300
100,001 - 5,000,000 litres per day ......................... $500
more than 5,000,000 litres per day ....................... $1,000

(c) Water pumping/storage, transmission, or treatment
less than 25,000 litres per day ................................ $200
25,001 - 100,000 litres per day ............................ $300
100,001 - 5,000,000 litres per day ......................... $500
more than 5,000,000 litres per day ....................... $1,000

(d) Infrastructure upgrading
Valve Chambers ........................................... $200
Pressure Reducing Chamber ................................ $200
Screen Chamber ........................................... $200
Hydrant Installation ....................................... $200
Enclosures – STP or Lift Station ......................... $200
Water Main Poly Plugging ................................ $200
Temporary water/sewer bypass ........................... $200

(e) Works not specifically noted above must be discussed with the appropriate regional office. The fee will be set based upon project cost and complexity. Please specify below.

$ ____________________________

The above fees must accompany each separate application for approval and the fee is non-refundable. Please enclose your cheque or money order made out to the Newfoundland Exchequer Account or attach a cashier's receipt for the correct amount. The application cannot be reviewed until payment in full has been received.

This section must be completed so that a receipt can be issued

Applicant's Name (Please Print): Jason Rideout, P. Eng.
Applicant's address: BAE Newplan Group Limited
1133 Topsail Road
Mount Pearl, NL A1N 5G2

Estimated Project Cost: Construction approx. $1.67M

Type of Project: a) W&S Servicing

Fee: $500.00 + 13% HST: $65.00 Total Enclosed: $565.00

For Department's Use Only
Pseudo #: 1200366
Verified by: ____________________________ Date: ____________________________ Receipt #: ____________________________

Form: G7/22970/Secretariat/14-Permits/Fees for Environmental Approval 2003 VERSION.doc

JST Registration #: 107442683

BAE-Newplan Group Limited
1133 Topsail Road
Mount Pearl, NL A1N 5G2

Canada

PAY $565.00
PAY TO THE ORDER OF: NEWFOUNDLAND EXCHEQUER

BAE-Newplan Group Limited
Per

s.40(1), s.40(2)(k), s.40(4)(e)

s.40(1), s.40(2)(k), s.40(4)(e)

s.40(1)
DEPARTMENT OF MUNICIPAL AND PROVINCIAL AFFAIRS

SPECIFICATIONS FOR
TOWN OF PARADISE
2009 WATER AND SEWER
DEBORAH LYNN HEIGHTS

MARCH 2009
PROJECT NUMBER – 723082

"THESE PROJECT DOCUMENTS HAVE BEEN PREPARED FOR USE WITH AND
REQUIRE BEING READ IN CONJUNCTION WITH THE "MUNICIPAL WATER, SEWER
AND ROADS MASTER CONSTRUCTION SPECIFICATIONS" AS PUBLISHED BY THE
PROVINCE OF NEWFOUNDLAND, DEPARTMENT OF MUNICIPAL & PROVINCIAL
AFFAIRS. BIDDERS MUST BE REGISTERED HOLDERS OF THE WATER, SEWER AND
ROADS MASTER CONSTRUCTION SPECIFICATIONS".

PROVINCE OF NEWFOUNDLAND
PERMIT HOLDER
CLASS "A"
This Permit Allows

BAE * NEWPLAN GROUP LIMITED
To practice Professional Engineering
in Newfoundland and Labrador.
Permit No. as issued by APEGN N0113
which is valid for the year 2009.

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SPECIFICATIONS FOR
TOWN OF PARADISE
2009 WATER AND SEWER
DEBORAH LYNN HEIGHTS

MARCH 2009

PROJECT TEAM

OWNER: Town of Paradise
28 McNamara Drive
Paradise, NL
A1L 0A6

CONSULTANT: BAE Newplan Group Limited
1133 Topsail Road
Mount Pearl, NL
A1N 5G2

Telephone: (709) 368-0118
Telecopier: (709) 368-0158

DATE: MARCH 2009

PROJECT NUMBER: 723082
SPECIFICATIONS FOR
TOWN OF PARADISE
2009 WATER AND SEWER
DEBORAH LYNN HEIGHTS

MARCH 2009

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SPECIFICATIONS FOR
TOWN OF PARADISE
2009 WATER AND SEWER
DEBORAH LYNN HEIGHTS

MARCH 2009

LIST OF DRAWINGS AND DESCRIPTION OF WORK

1. LIST OF DRAWINGS

   Cover Sheet  
   DW1-XX-CV-XX-001  Deborah Lynn Heights Plan and Profile STA 0+000 to 0+300  
   DW1-XX-CV-XX-002  Deborah Lynn Heights Plan and Profile STA 0+300 to 0+600  
   DW1-XX-CV-XX-003  Deborah Lynn Heights Plan and Profile STA 0+600 to 0+900  
   DW1-XX-CV-XX-004  Deborah Lynn Heights Plan and Profile STA 0+900 to 1+089.6  
   DW1-XX-CV-XX-005  Lift Station Details  
   DW1-XX-CV-XX-006  General Notes and Details

2. SITE OF THE WORKS

   The Site of the Works is in the Town of Paradise, Newfoundland.

3. DESCRIPTION OF THE WORKS

   The scope of work under this project includes the supply and installation of 1144 meters of ductile iron water main, 142 meters of ductile iron force main, 1105 meters of sanitary sewer main, one sewage pumping station and associated works as detailed.
PART III

MUNICIPAL WATER, SEWER AND ROAD SPECIFICATIONS
DEPARTMENT OF MUNICIPAL AND PROVINCIAL AFFAIRS

(Version in effect at time of Tendering)
APPENDIX 'A'

SCHEDULE OF QUANTITIES AND PRICES
**PROJECT: TOWN OF PARADISE - 2009 W&S DEBORAH LYNN HEIGHTS**  
**JOB #: 723082**

**SCHEDULE "A" - QUANTITIES AND PRICES**

The quantities set out in this schedule are estimated quantities only and are not to be taken as final quantities by the contractor. The unit price bid shall include all labour, plant, materials, overhead, duties, and profit and all other obligations and liabilities under the contract. H.S.T. is to be applied in accordance with 1.0. Totals shall be determined by multiplying the quantity by the tendered unit price.

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## SCHEDULE "A" - QUANTITIES AND PRICES

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The quantities set out in this schedule are estimated quantities only and are not to be taken as final quantities by the contractor. The unit price bid shall incl all labour, plant, materials, overhead, duties, and profit and all other obligations and liabilities under the contract. H.S.T. is to be applied in accordance with 1.0. Totals shall be determined by multiplying the quantity by the tendered unit price.

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PROJECT: TOWN OF PARADISE - 2009 W&S DEBORAH LYNN HEIGHTS
JOB #: 723082

SCHEDULE "A" - QUANTITIES AND PRICES

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### SCHEDULE "A" - QUANTITIES AND PRICES

The quantities set out in this schedule are estimated quantities only and are not to be taken as final quantities by the contractor. The unit price bid shall include all labour, plant, materials, overhead, duties, and profit and all other obligations and liabilities under the contract. H.S.T. is to be applied in accordance with 1.0. Totals shall be determined by multiplying the quantity by the tendered unit price.

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a) SUB TOTAL

b) H.S.T. 13% of a.

c) GRAND TOTAL

(Carry forward to page 1 of the Tender Form)

**DEPT. OF MUNICIPAL AND PROVINCIAL AFFAIRS**

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