

Appendix I

Letter from Office of the Prime Minister

03/2008 01:36 FAX
//2008 10:00 FAX 9209222

Tech. Dir - Development

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File From Ned

03 NOV 2008

OFFICE OF THE PRIME MINISTER

Planning & Development Division
1 Devon Road, P.O. Box 272, Kingston 6, JAMAICA
Tel: (876) 927-9941 - 3, 929-8880 - 5, 927-4101 - 3
Fax: 920-9222

October 31, 2008

Mr. Phillip Gore
Chairman
Gore Developments Limited
2c Braemar Avenue
Kingston 10

Post-it [®] Fax Note	7671	Date	3/11/08	# of pages	1
To	Mr. Phillip Gore	From	Sancia Templar		
Co./Dept.		Co.			
Phone #		Phone #			
Fax #	978-6977	Fax #	920-9222		

Dear Mr. Gore:

Re: NEPA's Appeal Process - Terms of Reference for EIA

Your letter dated October 17, 2008 regarding the matter at caption is acknowledged.

We now write to advise you that Gore Developments Limited may submit the Terms of Reference for the Environmental Impact Assessment with the Environmental Permit Application to the National Environment & Planning Agency.

We hope that this will help facilitate a speedy resolution for your projects.

Yours sincerely,

Sancia Templar
Chief Technical Director

upw
03/11/08

Appendix I

Letter from Ministry of Health and Environment

Rec'd via
fax 17/4/08
JS



MINISTRY OF HEALTH AND ENVIRONMENT
ENVIRONMENTAL HEALTH UNIT

OCEANA COMPLEX, 2-4 KING STREET, KINGSTON, JAMAICA
TEL: 98701 967-1190/3/4/7/ 976-1275 FAX: (876) 967-1280
WEBSITE: www.mohc.gov.jm EMAIL: director@ehu@yahoo.com

ANY REPLY TO THIS COMMUNICATION
SHOULD BE ADDRESSED TO THE
PERMANENT SECRETARY AND THE
FOLLOWING REFERENCE QUOTED:

EHU NO: 06/7/08-5
REF NO:

April 17, 2008

Gore Developments Ltd
2C Braemar Avenue
Kingston 10

Attention: Mr. Christopher Gore

RE: Florence Hall Development, Trelawny

The Environmental Health Unit (EHU) received your enquiry for a development at the above-mentioned site whereby a central sewage treatment system is proposed.

The EHU has no objection to development in this area.

In designing your sewage treatment system, please be guided by Volume 3 Section 4 of the Development and Investment Manual which is available on the website of the Cabinet Office of the Government of Jamaica, <http://www.cabinet.gov.jm/devInvest.asp>

If you have questions or require more information please contact the undersigned.


for Mr. Peter Knight
DIRECTOR Environmental Health Unit

Appendix I

Letter from National Environment and Planning Agency (NEPA)



10 & 11 Caledonia Avenue, Kingston 5, Jamaica W.I.; Tel: (876) 754-7540/3 Fax: (876) 754-7595-6 Hotline: 1-888-991-5005
E-mail: ceo@nepa.gov.jm, Web Site: <http://www.nepa.gov.jm>

Ref. No.: 2008-07017-EN-00002

April 11, 2008

Mr. Christopher Gore
2C Braemar Avenue
Kingston 10.

Dear Sir:

Re: Enquiry – Proposed Subdivision at Florence Hall - Trelawny

Reference is made to correspondence dated March 17, 2008. Please be advised that the proposed subdivision is within an area that can be used for residential purposes. The following comments are provided in response to the questions you raised.

(1) Development Outline

(i) Lot sizes

The minimum lot size can be 372m² as long as the lots are connected to a central sewage system designed for tertiary level treatment as you have proposed.

(ii) Provision Of Green Space/Amenity Areas/ Recreational And Commercial Areas

The provision for these areas should be as per the planning requirements outlined in the Manual for Development, the Trelawny Development Order and the emerging Trelawny Development Order.

(iii) Educational Facilities.

The provision of educational facilities should be discussed with the Ministry of Education.

(2) Sewage Treatment and Disposal

As indicated by you it is expected that any sewage treatment and disposal system contemplated for the area shall treat sewage to the tertiary level.

(3) Drainage/Water

The issues related to Drainage and Water supply should be discussed with the National Works Agency, the National Water Commission respectively.

Any reply or subsequent reference to this communication should be addressed to the Chief Executive Officer, to the attention of the officer dealing with the matter, and the reference quoted where applicable.

Managing and protecting Jamaica's land, wood and water
A Government of Jamaica Agency

Florence Hall Housing Development

Mr. Christopher Gore
Re Enquiry – Proposed Subdivision at Florence Hall - Trelawny
Page 2
April 11, 2008

(4) Consultations

It is advisable that the proposed development be discussed with the relevant Government Agencies before final design and submission of the final plans and documents.

It should be noted that pursuant to the Natural Resources Conservation Authority Act 1991 and the Natural Resources Conservation Authority (Permits and Licences) Regulations 1996, environmental permits and licences will be required for the development of ten (10) lots and over.

Please note that this response does not constitute NEPA's approval of the intended development. The intention of this letter is only to provide guidance to you.

If you have any question or require further clarification please do not hesitate to contact the undersigned at 754-7540 ext. 2212 or e-mail Mrammelaerc@nepa.gov.jm. Please note that all correspondence pertaining to this application must quote the reference number stated above.

Yours truly,



Leary Myers, PhD., PE, JP
Government Town Planner/ Chief Executive Officer

Appendix I

Letter from Ministry of Energy, Mining and Telecommunications



MINISTRY OF ENERGY, MINING AND TELECOMMUNICATIONS



MINES AND GEOLOGY DIVISION

ANY REPLY OR SUBSEQUENT REFERENCE TO THIS COMMUNICATION SHOULD BE ADDRESSED TO THE COMMISSIONER OF MINES NOT TO ANY OFFICER BY NAME AND THE FOLLOWING REFERENCE QUOTED:-

HOPE GARDENS
P.O. BOX 141
KINGSTON 6, JAMAICA, W.I.
PHONE: (876) 927-1936-40
FAX: (876) 977-1204
E-MAIL: mgd.gov.jm
WEBSITE: www.mgd.gov.jm

April 8, 2008

Mr. Christopher Gore
Director
Gore Development Limited
2c Braemar Avenue
Kingston 10

Dear Sir,

Re: Proposed Subdivision Development at Florence Hall - Trelawny

The Mines and Geology Division (MGD) is in receipt of your letter dated March 17, 2008, requesting comments for a proposed subdivision development at Florence Hall, Trelawny. A desk study review was conducted which concentrated on the geology and topography of the area with the aid of aerial photographs, topographic and geology maps.

Geologically, the site is comprised of the Montpelier Formation, which is characterized by limestone sequences consisting of white to grey chalks with interbedded biofragmental beds. Thick bedding units are commonest but horizons of medium bedding are also known. Chert is found on the lower part of the succession but is rare in the higher levels. Chertification (the development of silica nodules) and recrystallisation are commonest in zones adjacent to

Florence Hall Housing Development

fractures. The maximum thickness of the formation has been estimated as 914 metres.

An east – west trending fault is located to the south of the proposed site, however, it should not impact on the site.

As it relates to the geotechnical properties, rocks of the Monpelier Formation are variable but are generally soft chalks, shelly and bioclastic limestones with a small percentage of hard rubbly, recrystallized limestone and as such primary permeability is generally low, while secondary permeability may be very high. Slope stability is fairly good although large and continuing falls should be anticipated along vertical slopes. Therefore, cut slopes should not exceed a 1:2 (approximately 26 degrees) gradient. The bearing capacity of the rocks on the site should be reasonably good.

Using the information garnered from the site investigation, The Mines and Geology Division has no objection to the proposed development.]

Yours truly,



Ennika James - Holness (Mrs.)

for Commissioner, Mines and Geology Division

Florence Hall Housing Development

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Letter from Water Resources Authority (WRA)



WATER RESOURCES AUTHORITY
ESTABLISHED BY THE WATER RESOURCES ACT, 1995

TEL: 927-0077/ 927-0293/ 927-0189/ 927-0302
FAX: 977-0179/ 702-3937

HOPE GARDENS, P.O. BOX 91, KINGSTON 7, JAMAICA

REF: 8/26

April 7, 2008

Gore Developments Ltd
2C Breamar Ave.
Kingston 5

Attention: Mr. Christopher Gore

RE: Proposed Housing Development Reviewed by WRA

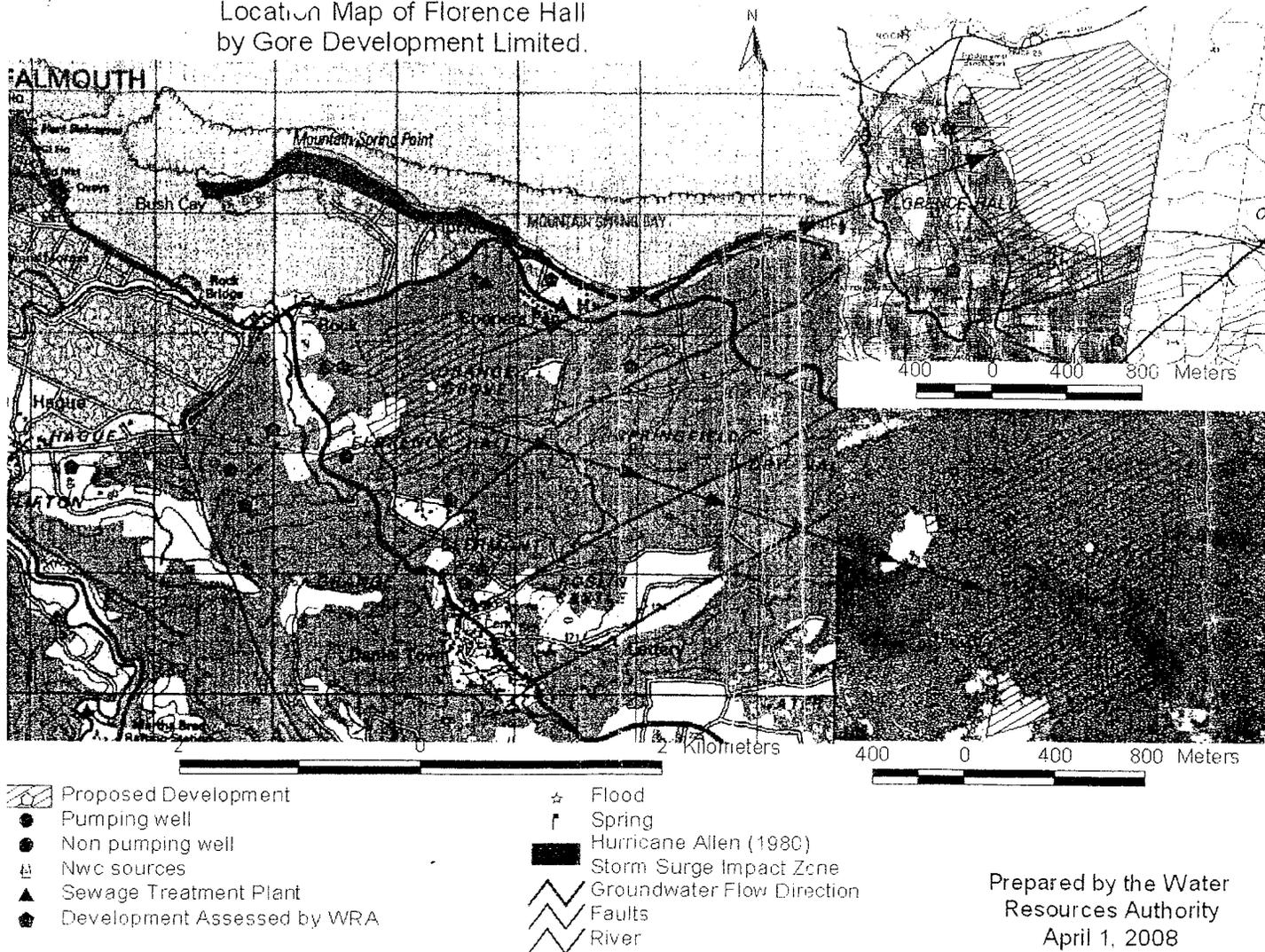
	Type Of Development	Hydrogeology	Flooding Vulnerability	Recommended Sewage Disposal/Treatment System	Other Remarks
<p>Location: Florence Hall</p> <p>Applicant: Gore Development Ltd</p> <p>Parish: Trelawny</p> <p>Review Requested by: Gore Development Ltd</p> <p>Date Request Received: March 19, 2008 and a second copy received March 31, 2008.</p>	<p>Subdivision of 66.8 ha into 850 residential lots having two bedrooms detached homes. Minimum lots size is 372 m² (4000ft²). Provision will be made for green space, recreational areas, educational facilities and commercial activities.</p> <p>Site elevation (amsl) ranges from 80 m (southern section) to less than 10 m (northern section) of the property.</p>	<p>The site is underlain by Limestone Aquiclude (Montpelier Formation). This unit is a member of the White Limestone Group however karstification has not been significant. Faulting has created zones of increased permeability. This formation may yield water to wells and springs, which are generally associated with these zones of increased permeability. The region is moderately faulted with a SW -NE trending located 342m south of the property. These are two non pumping wells located close to the site. These are Daniel Town well located 248 south east with a depth to groundwater of 56.4 m and the Orange Grove dug well located 614m east having a depth to groundwater of 22.6m. A surface water feature (Daniel Town Gully) is located 120m west of the site. The marine environment is located 416 m north, downgradient of the site. The predominant soil in the area is Stony Loam. This unit features a very rapid internal drainage capacity and high erosion potential.</p>	<p>The WRA is unaware of reports of flooding at this area.</p> <p>The developer should be required to detain site-generated runoff on the property, Eg. Detention ponds, permeable parking areas and other surface areas, roof catchment/storage in tanks for re-use, etc., thereby reducing the risk of flooding of down gradient settlements and roadways.</p> <p>The developer should confirm the adequacy of the existing north coast highway drainage infrastructure to accommodate the expected runoff generated by this development.</p>	<p>The developer proposes to use 'a central sewage treatment facility and sewerage system using tertiary treatment.'</p> <p>In light of the size of the development, the proximity to the marine environment, the proximity to the surfacewater feature and the upgradient non pumping wells the WRA recommends tertiary level treatment.</p> <p>The WRA has no objection to the proposed central system providing tertiary level treatment, on the condition that this system meets the specifications of the EHU and NEPA.</p>	

Michelle Watts (Mrs.)
Senior Environmental Officer
For Managing Director

SEWAGE TREATMENT METHODS (List not exhaustive)			
PRIMARY Treatment Methods	SECONDARY Treatment Methods		TERTIARY Treatment Methods
- Septic tank-absorption pit - Dry pit latrine (double vaulted / composting toilet)	- Septic tank-tile field - Septic tank-mound system - Septic tank-sand filter-tile field - Septic tank-sand filter-abs. pit - Biodigester septic tank-tile field	- Aerated septic tank-tile field - Stabilization ponds - Mechanical systems with aeration strips (e.g. oxidation ditch, aerated sludge process)	- Any mechanical or non-mechanical treatment process which includes removal of nutrients by natural (eg. evapotranspiration bed/reed bed, biological denitrification) or chemical means (eg. phosphorus precipitation)

Florence Hall Housing Development

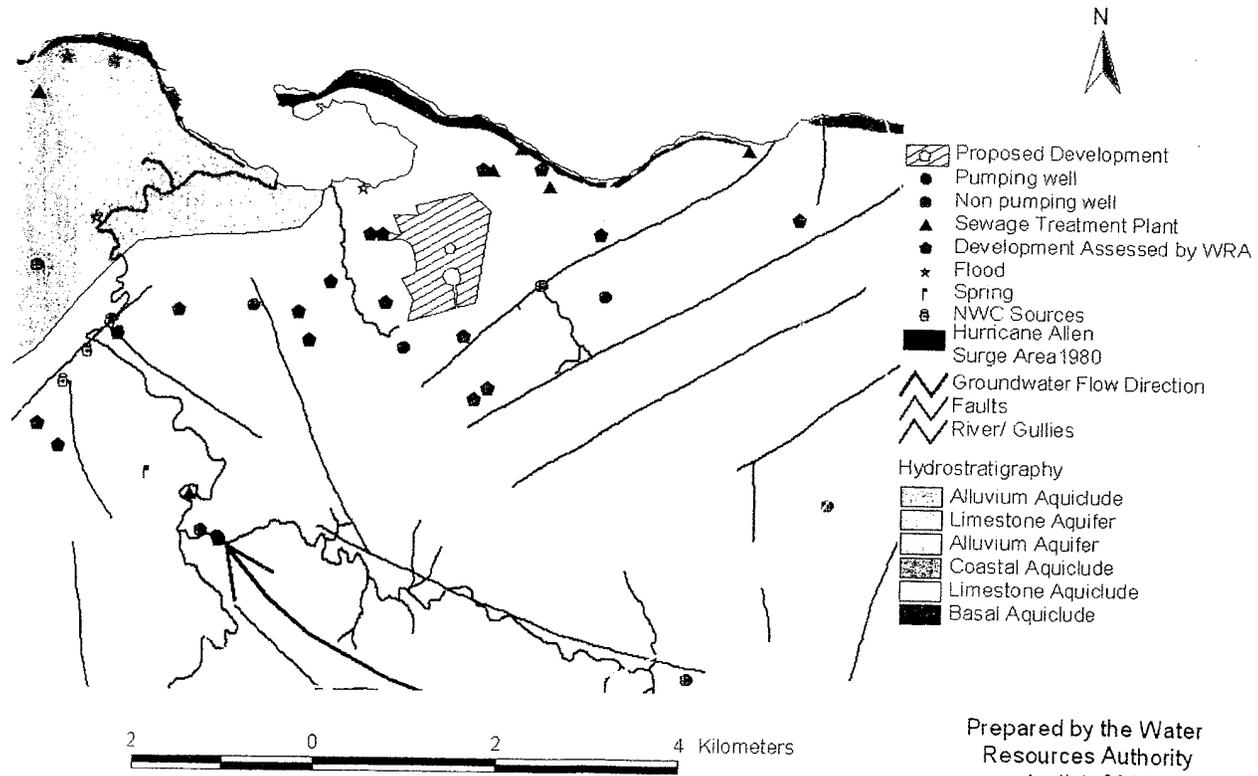
Location Map of Florence Hall
by Gore Development Limited.



Prepared by the Water
Resources Authority
April 1, 2008

Florence Hall Housing Development

Hydrostratigraphy Map of Florence Hall
by Gore Developments Limited



Appendix I

Letter to National Heritage Trust



ESL
ENVIRONMENTAL SOLUTIONS LIMITED

20 West Kings House Road
Kingston 10, Jamaica, W.I.

Tel: (876) 929-9481, 960-8627, 960-0794, 968-3671

Fax: (876) 929-5731

E-Mail: envirsol@cwjamaica.com

Website: www.eslcaribbean.com

September 10, 2008

Mrs. Laleta Davis-Mattis
Executive Director
Jamaica National Heritage Trust
79 Duke Street
Kingston

Dear Mrs. Davis-Mattis,

Re: Florence Hall Housing Development

On behalf of our Client, Gore Developments Ltd. (GDL) please find enclosed a site location map for property owned by GDL which is being considered for a housing development.

We respectfully inquire if there are any archaeological or heritage features on the property listed on the JNHT's Sites and Monuments List.

Please do not hesitate to contact us if you need further information.

Yours sincerely,
ENVIRONMENTAL SOLUTIONS LTD.


Margaret Jones Williams, PhD., QEP
Director & Manger, Sustainable Development Services

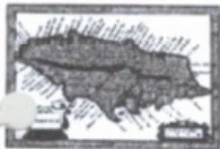
Enc.

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Letter from National Heritage Trust

**JAMAICA
NATIONAL
HERITAGE
TRUST**

79 DUKE STREET,
HEADQUARTERS HOUSE,
KINGSTON,
P.O. BOX 8934, KINGSTON C.S.O.,
JAMAICA, W.I.



TELE: (876) 922-1287-8
(876) 922-3090
FAX: (876) 967-1703

22nd October 2008

Margaret Jones Williams, PhD., QEP
Director & Manager, Sustainable Development Services
Environmental Solutions Limited
20 West Kings House Road
Kingston 10

Dear Dr. Jones Williams,

Re: Florence Hall Housing Development

We acknowledge letter dated September 10, 2008 in regards to the above-mentioned matter and wish to advise that a team of officers from the Jamaica National Heritage Trust (JNHT) will visit the site on Tuesday, 4th November 2008. The purpose of the visit is to walk the area and identify structures/buildings of historic significance.

Please arrange to have your team meet with us at the site on the proposed date.

Yours sincerely,

Lloyd Wright
Research Officer

*ujw
27/10/08
Site visit not
conducted yet.
28/10/09*

Appendix I

Letter from National Environment and Planning Agency



NATIONAL ENVIRONMENT & PLANNING AGENCY

10 & 11 Caledonia Avenue, Kingston 5, Jamaica W.I. Tel: (876) 754-7540 Fax: (876) 754-7595-6 toll free help-line: 1-888-991-5005
E-mail: ceo@nepa.gov.jm, Web Site: <http://www.nepa.gov.jm>

2008- 07017-EP00277

February 12, 2009

Dr. Magaret Williams
Environmental Solutions Limited
20 West Kings House Road
Kingston 10

Dear Dr. Williams,

**re: Terms of Reference for Housing Development – Florence Hall Trelawny
2008 - 07017-EP00277**

Please be advised that the National Environment and Planning Agency (NEPA) has received and reviewed the draft terms of reference (TOR) submitted with the above captioned application. The document addresses the major areas of concern for this project. The Agency is however, kindly requesting that the following areas of impact be given special attention in conducting the Environmental Impact Assessment Study:

- **Detailed flora and fauna assessment to include landscaping**
- **Assessment of the historical/heritage importance of the site.**
- **Detailed drainage assessment to include potential impact of flooding on adjoining areas including the highway and other roadways.**
- **Detailed assessment of the impact of the project on the adjoining wetlands and mangrove ecosystems.**

You are therefore permitted to proceed with the execution of the Environmental Impact Assessment study. Upon completion of the report ten (10) copies including a digital copy should be submitted to the National Environment and Planning Agency.

Any reply or subsequent reference to this communication should be addressed to the Chief Executive Officer, to the attention of the officer dealing with the matter, and the reference quoted where applicable.

Managing and protecting Jamaica's land, wood and water
A Government of Jamaica Agency

Florence Hall Housing Development

Please do not hesitate to contact the undersigned for any queries which may become necessary.

Yours sincerely,



Leonard Francis
For Chief Executive Officer

CC. Christopher Gore - Project Manager, Gore Developments-