("CMG") CARIBBEAN MANAGEMENT GROUP, INC.

Carr 2 Km 86.4 Edif. 193 Hatillo, PR 00659
T. 787-398-2874 / F. 787-650-5821
rvincenty.cmg@gmail.com

June 30, 2017

CEPD
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Team Leader
Clean Water Act Team
Multimedia Permits and Compliance Branch
Caribbean Environmental Protection Division
U.S. Environmental Protection Agency, Region 2
City View Plaza II - Suite 7000
#48, PR-165, Km 1.2
Guaynabo, Puerto Rico 00968-8069

RE: Request for Information Pursuant to Section 308 of the Clean Water Act
Christopher Columbus Landing Development
2012 CGP Tracking Number PRR12A438
CEPD-CWA-02-IR-2017-024

Dear Team Leader:

I received the letter, dated March 27, 2017, requesting information as a result of the Reconnaissance Inspection conducted by members of your office on December 6, 2016 at the Christopher Columbus Landing Development.

In our interest to provide as much information as possible, time was spent trying to access the CDX system in order to be able to certify the NOI under the 2017 CGP. However, my efforts were unsuccessful and the account was locked (see information included in Attachment H). To this end, assistance was requested to Mr. Jose Rivera during our meeting on June 29, 2017 (see copy of the message in Attachment H). I hope to be able to overcome the accessibly problems encountered with the system in the following days and complete this part of the process. This is the main reason for the delay in submitting the requested information.

The following statements, written in black-bold letters, are the information requested, as stated in your letter. The response for each item is included immediately following:

1. **a detailed description of the property where the construction activities for the Project took place, and a copy of the property deed;**

   A copy of the Deed, which includes a description of the property, is included in Attachment A.

2. **the name of the owner or owners of the property where the Project is being constructed, their addresses, phone numbers and officers;**

   The owner of the property is:
   Caribbean Management Group, Inc
   PO Box 141475, Arecibo PR 00614
   (787) 551-3794

   Officers:
   Reynaldo Vincenty - President
   Hector Vincenty - Vice-President
   Lourdes A Monrouzeau - Secretary

3. **the names of the corporations, businesses or individuals that are engaged in developing the Project. Include the names of the officers, executive directors and agents, their addresses and phone numbers;**

   Same as above.

4. **the names of all contractors, past and present that engaged in clearing, grading and/or excavation activities during the construction of the Project. Include a description of their activities during the construction of the Project, and the addresses, phone numbers and officers;**

   Constructora Dorta Rodriguez SE
   Jaime Dorta - President
   Daniela Rodriguez, Administrator
   (787) 878-6668

   The contractor will perform activities related to land movement according to the issued permit 2016-127351-PCT-001001 (Permiso de Extracción Incidental para una Obra Autorizada por OGPe).

5. **a copy of the construction contract between the development companies and construction companies engaged in the construction of the Project;**

   Please see the document included in Attachment B.

6. **a detailed description of the construction of the Project;**

   The project consists on the construction of the access road for the development known as "Christopher Colombus Landing". The project also involves the foundation for utilities for future development of the land parcel, which include electrical, water supply and communications. The project is located off road PR-107, Km 2.2 Int Interior Playuela Sector, Borinquen Ward in Aguadilla.

7. **indicate the exact date when earth movement activities began for the construction of the Project;**

   Earth movement activities began on October 31, 2016. Please note that this date does not conflict with other activities that took place in the area previous to this date which did not involve earth movement.

8. **indicate the periods of time (beginning and end) when earth movement activities (i.e. clearing, grading, excavation) took place since the first date that earth movement activities began at the Project. Provide a copy of the construction log book for the periods in which earth movement activities were conducted.**

   The following are the periods when earth movement activities were performed:

Begin	End	Activities performed
October 31, 2016	November 4, 2016	Removal and clearing of vegetation cover.
November 28, 2016	December 2, 2016	Removal and clearing of vegetation cover. Grading achieved to fill with top soil in the first 40 meters of the Street footprint.
February 6, 2017	February 17, 2017	Grading and fill with top soil in areas cleared of vegetation.

   No construction log books have been developed because no actual construction has been performed at the site.

9. **indicate the last date that earth movement activities were conducted at the Project;**

   The last date that earth movement activities were conducted was on February 17, 2017.

10. **indicate the acres of soil that were disturbed until the last date that that earth movement activities were conducted at the Project;**

    To date, it is estimated that some 1.425 acres of soil have been disturbed.

11. **indicate the acres of soil that are expected to be disturbed during the construction of the Project;**

For this project, a total of 5.00 acres of soil are expected to be disturbed.

12. a copy of all storm sewers or storm water collection system drawings and specifications for the Project;

The project does not involve installation of a conventional storm water collection system. Instead a stormwater bioswale system will be constructed. This system will collect the runoff from the site in order to capture the sediments that will settle. This measure will prevent sediment discharge into the Atlantic Ocean outside the project limits. The system to be constructed along the road is included in Appendix C, along with a copy of the planting and bioswale details.

13. color copy of all available aerial photographs taken during the construction of the Project;

No aerial photographs have been taken.

14. the approximate number of construction employees of the companies involved in the construction of the Project;

Approximately 6 employees are involved in this project.

15. a detailed description of how storm water is being managed and disposed of during the construction of the Project;

Storm water is directed to the control measures that have been and will be implemented during the construction project. The control measures are aimed at prevention of sedimentation and erosion outside the project footprint. The control measures are detailed in the Stormwater Pollution Prevention Plan and the Plan CES that have been developed for the site.

16. provide a copy of all Hydrologic and Hydrology studies prepared for the Project;

A Hydrologic and Hydrology study for the property was developed in 1998 for the development of the Environmental Impact Statement. A copy of this study is included in Attachment D. No further Hydrologic or Hydrology studies have been performed to date. An updated study will be performed in the future.

17. provide a detailed explanation of the storm water runoff path after leaving the Project construction premises, and the receiving waters which receive the discharges from the construction of the Project;

The storm water will be allowed to follow the site's natural topography after leaving the construction premises. Therefore, there is no particular runoff path. The receiving water is the Atlantic Ocean.

18. indicate in a site map, the areas of the Project impacted by the construction, the areas in which temporary stabilization was applied, and the areas pending final stabilization. Also, indicate the materials used for soil stabilization during the construction of the Project. In response to this request, refer to Appendix A of the 2012 CGP for the definition of final stabilization;

No temporary or final stabilization has been applied as the construction phase has been limited to small area and has not been completed. Approximately 366.2 cubic meters of Top soil Material (A-2-4) has been applied on approximately 70 lineal meters of the road. The approximate area that has been impacted is shown in Attachment E.

19. a copy of the electronic NOI that CMG filed for the Project. Include a copy of any other communication concerning the NOI;

A copy of the electronic NOI filed by CMG under 2012 CGP is included in Attachment F along with a copy of the acknowledgement letter.

20. a copy of the supporting documentation to satisfy the eligibility requirements of the 2012 CGP with respect to the protection of species that are federally-listed as endangered or threatened under the Endangered Species Act (ESA) or federally designated critical habitat. In response to this request, refer to Part 1.1 and Appendix D of the 2012 CGP;

The information is being complied and will be supplied as soon as completed.

21. a copy of the supporting documentation to satisfy the eligibility requirements of the 2012 CGP with respect to screening process for the protection of historic properties and places. In response to this request, refer to Part 1.1 and Appendix E of the 2012 CGP;

The information is being complied and will be supplied as soon as completed.

22. a copy of the NOI(s) that the construction company(ies)/construction operator(s) filed for the construction of the Project;

Only one NOI was submitted under 2012 CGP for this project. Please see answer to question 19 above.

23. a copy of the SWPPP(s) developed for the construction of the Project, including a legible site plan. In response to this request, refer to Part 7 of the Permit; and

The SWPPP developed for the construction project for the submittal of the 2012 CGP NOI is included in Attachment G.

24. a copy of all site inspection reports that were prepared during the construction of the Project. Indicate the name(s) of the individuals that performed the site inspections and their qualifications to conduct the inspections.' In response to this request, refer to Part 4.1 of the 2012 CGP.

Inspection reports are being complied and will be submitted at a later date.

In addition, please indicate whether an electronic NOI has been filed for the Project under the requirements of the 2017 CGP. If the NOI was filed, provide the following information:

The NOI under 2017 CGP has encountered problems to be certified due to inaccessibility to the CDX system starting on June 17, 2017 and finishing the last attempt on June 21, 2017 (refer to Attachment H for recent attempts to reset the password). On June 29, 2017, Mr. Reinaldo Vincenty met with Mr. Jose Rivera to , address this issue. Subsequently, Mr. Rivera sent an email to Mr. Vincenty to indicate that this issue must be managed with Mr. Sergio Bosques of the EPA. Mr. Vincenty will seek to resolve this matter as soon as possible.

An updated version of the SWPPP for the project is included in Attachment I.

It is Caribbean Management Group's intentions to comply with the regulatory requirement for the development in question. Please review the enclosed information and provide a final compliance determination in order to close these findings. Should you need additional information, please contact me at rvincenty.cmg@gmail.com or via mobile at (787) 398-2874.

Sincerely,

Reinaldo Vincenty

Certification:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the persons or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name: Mr. Reinaldo Vincenty

Company: Caribbean Management Group

Title: President

Date: June 30, 2017

Signature:

Attachment A

---**DEED NUMBER: FOUR HUNDRED FIFTEEN (415)**----------

----------**DEED OF PURCHASE AND SALE**----------

---In the city of San Juan, Commonwealth of Puerto Rico, on this sixteenth (16) day of November, of Two Thousand Six (2006).---------

----------**BEFORE ME**----------

---**PEDRO JUAN CARIDE CRUZ**, Attorney-at-Law and Notary Public in and for the Commonwealth of Puerto Rico, with residence and domicile in Dorado, Puerto Rico and with offices in Arecibo, Puerto Rico.----------

----------**APPEARS**----------

---**AS THE PARTY OF THE FIRST PART: CARIBBEAN SEASIDE HEIGHT PROPERTIES, INC,** herewith represented by **DAVID HAROLD WISHINSKY KERR,** who is of legal age, married to Bunny Margaret Matwijcow Domice and resident of Rincón, Puerto Rico, President of the above corporation who attests that he is duly authorized to execute the present deed by the Board of Directors of **CARIBBEAN SEASIDE HEIGHT PROPERTIES, INC.,** and is willing and able to present the corresponding Corporate Resolution Authorizing him to formalize the present deed to persons with interest when requested, hereinafter referred to "**THE SELLER**".----------

---**AS THE PARTY OF THE SECOND PART: CARIBBEAN MANAGEMENT GROUP, INC.,** herewith represented by **REINALDO VINCENTY MORALES,** of legal age, married to Lourdes Alodia Monrouzeau Rosa, property owner and resident of Hatillo, Puerto Rico, hereinafter referred to "**THE PURCHASER**".---

---I, the Notary, certify that I personally know the appearing parties and based on their statements I further certify as to the above expressed personal circumstances. The appearing parties assure me, and in my judgment they do have, the necessary legal capacity to execute this deed. Wherefore they freely and voluntarily:----------

----------**STATE:**----------

---**FIRST:** That the **SELLER** is the owner in absolute fee simple ("pleno dominio") of the following real property described hereinafter referred to as the "Property":----------

---**PROPERTY A: RUSTICA:** Finca en el Barrio Borinquen de Aguadilla, Puerto Rico, con una cabida de cuarenta y siete punto ocho mil cuatrocientos setenta y dos cuerdas (47.8472), equivalentes a ciento ochenta y ocho mil cincuenta y ocho punto quince metros cuadrados (188,058.15), dividida en tres parcelas: Parcela A: **RUSTICA**: Radicada en el Barrio Borinquen de Aguadilla, Puerto Rico, con una cabida de cuarenta y cinco punto ocho mil ciento cincuenta y una cuerdas (45.8151), equivalentes a ciento ochenta mil setenta uno punto veintiún metros cuadrados (180,071.21), en lindes por el Norte, en cincuenta y ocho punto quinientos trece y seis punto veintisiete metros con Sucesión de Pedro Hernández; ciento punto cuarenta y seis metros y siete punto novecientos treinta y dos metros con Laura Santiago; setenta punto cuatrocientos noventa y ocho metros treinta y siete punto trescientos cincuenta y un metros, noventa punto setecientos treinta y dos metros, cuarenta y dos punto seiscientos veintiocho metros, cuatrocientos punto trescientos treinta y cuatro metros con Sucesión Pedro Hernández; cuarenta y uno punto ochenta y cinco metros y ocho punto doscientos cuarenta y siete metros con José R. Méndez Eurite; por el Este, en treinta y siete punto seiscientos siete, catorce punto setecientos setenta y un metros, veintitrés punto treinta y ocho metros, trece punto treinta y seis metros y veinte punto metros con carretera municipal dieciséis punto novecientos ochenta y nueve metros veinte punto trescientos sesenta y ocho metros con Dominga Fantauzzi; treinta y seis punto ochocientos un metros con Gobierno Municipal; por e Sur, en veintisiete punto cero sesenta y siete metros con Dominga Fantauzzi y noventa y cinco punto ciento punto ciento setenta y dos metros con José R. Méndez, setenta y seis punto cero cero un metros con Iglesia San Judas, catorce punto ochocientos setenta y tres metros con Gobierno Municipal, noventa y tres punto ochocientos cincuenta y siete metros, seis punto ochenta y un metros, nueve punto ciento setenta y cuatro metros, doce punto setecientos treinta y dos metros, diecisiete punto seiscientos nueve metros, dieciséis punto seiscientos noventa y siete metros, setenta y seis punto veinticinco metros y noventa y seis punto ciento noventa y siete metros con camino municipal parte asfaltado y parte en tierra, ciento sesenta y cinco punto noventa y cinco metros con Laura Santiago, doscientos cuatro

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punto quinientos treinta metros con Sucesión Pedro Hernández y Sucesión José Martínez, nueve punto setecientos setenta y seis metros con Sucesión Pedro Hernández; y al Oeste, en veinticuatro punto dos mil ciento setenta y siete metros, setenta y siete punto cuatrocientos ocho metros, cuarenta y dos punto cincuenta y ocho metros y cincuenta y ocho punto veinticuatro metros con Sucesión Pedro Hernández y cincuenta y cinco punto doscientos treinta y dos metros con Laura Santiago, Parcela B: **RUSTICA**: Radicada en el Barrio Borinquen de Aguadilla, compuesta de uno punto cuatro mil doscientos ochenta y ocho cuerdas (1.4288), equivalentes a cinco mil seiscientos quince punto setenta y cuatro metros cuadrados (5,615.74), en lindes por el Norte, en treinta y ocho punto ochocientos noventa y tres metros con Sucesión Pedro Hernández; por el Este, en ciento treinta y seis punto seiscientos noventa y seis metros con Sucesión Pedro Hernández; por el Sur, en cuarenta y tres punto quinientos ochenta y cinco metros con Laura Santiago y en parte con camino que conecta con parcela A; y por el Oeste, en ciento treinta y nueve punto novecientos setenta y nueve metros con Laura Santiago. Parcela C: **RUSTICA**: Radicada en el Barrio Borinquen de Aguadilla, con una cabida de cero punto seis mil treinta y tres cuerdas (0.6033), equivalentes a dos mil trescientos setenta y uno punto veinte metros cuadrados (2,371.20). En lindes por el Norte, en treinta y dos punto cuatrocientos quince metros con Sucesión Pedro Hernández; por el Este, en sesenta y nueve punto quinientos cuatro metros, veintiuno punto diez metros, setenta y siete punto cuatrocientos un metros; por el Sur, en diez punto doscientos veintisiete metros con camino que conecta con parcela A, en quince punto trescientos cincuenta y un metros con Franco Hernández; y por el Oeste, con ciento tres punto cuarenta metros con Sucesión Pedro Hernández.----------

---Finca número 27,943, inscrita al folio 67 del tomo 514 de Aguadilla, Registro de la Propiedad de Aguadilla.----------

---**PROPERTY B: RUSTICA**: Finca en el Barrio Borinquen de Aguadilla de forma irregular con una cabida de setenta y ocho punto seiscientos cincuenta y cinco cuerdas, (78.655), igual a trescientos nueve mil ciento cuarenta y cinco punto doscientos dieciocho metros cuadrados (309,145.218 m.c.), en lindes al **NORTE**, en cuarenta y seis punto cero ochenta y cinco metros con la Base Ramey, ciento dieciocho punto ciento noventa y seis metros con James Briel, cuatrocientos seis punto cien metros, con Base Ramey, ciento noventa y seis punto quinientos veinte metros, con solar segregado, setenta y tres punto treinta y cinco metros, veinte punto quinientos once metros y siete punto trescientos cuarenta y cinco metros con Laura Santiago, cincuenta y cuatro punto cero trescientos setenta y un metros con Juan Hernández separado por camino cuarenta y nueve punto trescientos cincuenta y dos metros con Sucesión José Martínez, ciento once punto novecientos ochenta y cuatro metros con Juan Hernández separado por camino, cuarenta y dos punto treinta metros con Laura Santiago y cincuenta y cuatro punto cero treinta y ocho metros con Héctor Hernández; por el **ESTE**, cien metros con solar segregado, en treinta punto setecientos ochenta y seis metros con Héctor Hernández, treinta y siete punto quinientos setenta y seis metros once punto doscientos cinco metros y treinta

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punto noventa y dos metros con camino municipal, ciento cincuenta y cuatro punto cero cero un metros con Juan Hernández ciento cuarenta y siete punto seiscientos doce metros ochenta y ocho punto novecientos sesenta y seis metros con Laura Santiago, cincuenta y ocho punto veinticuatro metros, cuarenta y dos punto doscientos cincuenta y ocho metros, setenta y siete punto cuatrocientos ocho metros y veinticuatro punto dos mil ciento setenta y siete metros con Juan Hernández, sesenta punto seiscientos treinta y seis metros con Sucesión José Martínez, cuarenta y cuatro punto cero cuarenta y siete metros y treinta y cinco punto cincuenta metros con Laura Santiago ciento veinte punto doscientos ochenta y cinco metros con camino municipal, ciento tres punto cuarenta metros con Juan Hernández, ciento tres punto setenta y siete metros y setenta y siete punto cuatrocientos un metros con Sucesión José Martínez y en cincuenta y dos punto catorce metros con James Briel; por el **SUR**, en cuatrocientos punto treinta y cuatro metros, cuarenta y dos punto seiscientos veintiocho metros, noventa punto setecientos treinta y dos metros, treinta y siete punto trescientos noventa y ocho metros y treinta y ocho punto ochocientos noventa y tres metros con Juan Hernández, setenta punto doscientos cuarenta y cinco metros, cincuenta punto quinientos sesenta y cuatro metros con Laura Santiago, seis punto veintisiete metros, cincuenta y ocho punto quinientos trece metros con Juan Hernández, doscientos diecisiete punto seiscientos cinco metros, ciento treinta y cuatro punto novecientos quince metros con Sucesión José Martínez, diez punto doscientos veintisiete metros con camino municipal, cincuenta y siete punto seiscientos veintiocho metros con Franco Hernández; y por el **OESTE**, en cincuenta y dos punto catorce metros con James Briel veintinueve punto noventa y siete metros, setenta y ocho punto novecientos sesenta y cuatro metros, ciento diez punto quinientos veintisiete metros, ciento diecisiete punto ciento cincuenta y un metros ciento cuarenta y uno punto trescientos sesenta y ocho metros, ciento veinte punto doscientos cuarenta y tres metros, treinta y siete punto trescientos treinta y dos, ciento veintinueve punto ochocientos noventa y seis metros, ochenta y seis punto setecientos cuarenta y tres metros ciento treinta punto cuatrocientos ochenta y nueve metros y ciento cuarenta y uno punto ciento setenta y un metros con zona marítima, sesenta y nueve punto quinientos cuatro metros veintiún punto diez metros, setenta y cinco punto cuatrocientos ochenta y nueve metros con Juan Hernández, ciento treinta y seis punto seiscientos sesenta y nueve metros con Juan Hernández y sesenta y siete punto ciento cuarenta y cuatro metros con Laura Santiago.----------

---Es segregación de la finca principal número 27,934, inscrita al folio 13 del tomo 514 de Aguadilla, Registro de la Propiedad de Aguadilla.----------

---This **PROPERTY A** responds for the amount of

, and **PROPERTY B** responds for the amount of

, for a total amount of

.----------

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----------TITLE----------

---**SECOND**: The **SELLER** acquired the Property as per Deed Number seven (7), dated the sixteenth (16) day of January, nineteen hundred ninety eight (1998), executed in Aguadilla, Puerto Rico, before Notary Public José Ferrari Pérez.----------

----------**LIENS AND ENCUMBRANCES**----------

---By its origin and by itself the Property is free of any liens and encumbrances.----------

---**THIRD**: The **SELLER** represents and warrants unto the **PURCHASER** that he is the owner in absolute fee simple ("pleno dominio"), that the property is free and clear of any and all charges, liens and encumbrances , except for the ones, described in the Liens and Encumbrances section of this public instrument.----------

----------**PURCHASE AND SALE**----------

---**FOURTH**: **SELLER** hereby sells, transfers and conveys the Property unto **PURCHASER** with all its appurtenances, rights, privileges and improvements in absolute fee simple ("pleno dominio") under the following terms and conditions:----------

-----(A) The purchase price for the Property is the sum of

which is hereby received by **SELLER**.----------

-----(B) **SELLER** delivers possession of the Property of Purchaser by means of the execution of this public instrument and without the need of any further formality.----------

-----(C) Property taxes and assessments of the Property shall be apportioned as of the date of execution of this public instrument and those corresponding to any period up to and including the date of execution of this public instrument shall be for the account of

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SELLER; those corresponding to any period thereafter shall be for the account of **PURCHASER.** Any necessary apportionment shall be made on the basis of the proportion that the part of the fiscal year within the period up to and including the date of execution of this public instrument bears to the total fiscal year.----------

-----(D) The notarial fee fo the execution of this public instrument and the Internal Revenue stamps to be cancelled on the original of the same shall be for the accound of **SELLER.** Internal Revenue stamps on the certified copy of this deed and all other expenses relating to the execution and recordation of this public instrument shall be for the account of **PURCHASER.**----------

-----(E) **SELLER** undertakes and accepts the obligations imposed upon a vendor of immovable property by the Civil Code of Puerto Rico and agrees to hold harmless and indemnify the **PURCHASER** against eviction and against any claim that the title conveyed by this Deed id defective in any respect.----------

-----(F) The appearing parties accept the title search report prepared for this transaction by an independent third party and not by the undersigned Notary. The **SELLER** represents and guarantees to the **PURCHASER** that the Property is not subject to any liens or encumbrances other that those mentioned in said title search report. The appearing parties relieve the Notary Public executing this Deed from any responsibility due to errors or omissions in said title search report and due to any changes in the title to the Property or in its liens and encumbrances that might occur between the date of the title search report and the date this Deed is presented in the Registry for its inscription.----------

-----(G) The **PURCHASER** are warned that should the property

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subject of this transaction be located in a flood zone any title holder and/or occupant present of future thereof, is obligated by law to observe and comply with the requirements and provisions of the Regulations on Flood Prone Zones, under admonishment that non compliance therewith, will result in an illegal act, as provided for by the Flood Zone Act, Section three (3) of Act Eleven (11) dated March eight (8), nineteen hundred eighty eight (1988), 23 P.R.L.A., 225 (g). The here appearing **PURCHASER,** recognize having been fully warned of this requirement and obligates him/themselves to the faithful compliance therewith, in the event it were applicable.----------

----(H) The Party of the First Part recognizes that thru Deed Number Seven (7) of Notary Public José M. Ferrari Pérez, that it granted Erikon LLC, a Louisiana Limited Liability Partnership, an exclusive and irrevocable right to purchase the properties which are the object of this purchase/sale deed. Nevertheless, an according to the aforementioned Deed Number Seven (7), Erikon's right to purchase expired on December first (1st), nineteen ninety eight (1998). Although the Party of the first part complied with all of the terms and conditions necessary for Erikon to exercise its right to purchase, the Party of the First expresses and ratifies that Erikon did not exercised its right to purchase the aforementioned properties within the term specified in Deed Number Seven (7). The Party of the First Part also represents and ratifies that no other right to purchase has been granted to Erikon nor to any other person and that it has all the power and right to convey the present sale. If for any reason whatsoever any party or person claim to have a preferential right to purchase, the Party of the First Part will hold harmless the Party of the Second Part and will cover all the expenses necessary to

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---I, the Notary, hereby certify that the appearing parties read this Deed; that I advised them of their rights to have witnesses present at the execution thereof, which right they waived; and that I advised them of the legal effect of this Deed; and they acknowledged that they understood the contents of this Deed and such legal effect, and thereupon they signed this Deed before me affixing their initials to each and every page thereof.----------

---I, the Notary, do hereby certify as to everything stated or contained in this instrument. **I, ATTEST AND GIVE FAITH.**----------

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CERTIFICO

Se hallan cancelados en el original los correspondientes sellos de rentas internas e impuesto notarial. Aparecen las iniciales en todos y cada uno de los folios y las firmas de los otorgantes al final, así como la rúbrica, signo, sello y firma del Notario Autorizante, en el original de esta escritura. **CERTIFICO** que la que precede es Copia fiel y exacta del original de su contenido obrante en mi protocolo de instrumentos públicos del año en curso a que me remito, la cual (incluyendo los documentos anejos al original) contiene 10 folios, y que la copia del documento incorporado a esta copia certificada es copia fiel y exacta del que obra unido al original de esta escritura. En testimonio de lo cual expido primera copia certificada a favor de ----------

CARIBBEAN MANAGEMENT GROUP, INC.

en San Juan, Puerto Rico, hoy 16

de Noviembre---------- de 2006.----------

NOTARIO PÚBLICO

PEDRO J. CAPIDE CRUZ
LFX
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Attachment B

Constructora Dorta Rodríguez, S.E.
Box 140388 • Arecibo, Puerto Rico 00614-0388 • Carr. No. 653 Km. 2.0
Tel. (787) 878-6668 / Fax (787) 817-0442

Caribbean Management Group, Inc.				
Atención: Reinaldo Vicenty, Presidente				
Tel. 787-751-2590 Fax 787-650-5821				
COTIZACION - Calle de 373 metros de largo				
Proyecto: Christopher Colombus Project				
Carr. PR-107, Bo. Borinquen, Aguadilla PR				
25 de agosto del 2016				
Descripción	Cantidad	Unidad	Costo unit.	Costo Total
Movilización	1		L.S.	$3,000.00
Remover, árboles y disponer en Site	2	dias	$1,870.00	$3,740.00
Suplir e instalar Silt Fence (palos 4"x4", wire mesh, tela)	830	metros lin.	$15.00	$12,450.00
Entrada en piedra y tela para lavado de ruedas	1	c/u	L.S.	$1,500.00
Suplir e instalar tubos PVC 1" con 27 Hose Bibb 1/2"	400	metros lin.	$5.00	$2,000.00
Remover 6" de "Top soil" y disponer en el site	1,300	metros cub.	$5.00	$6,500.00
Corte de tierra y disponer en el site	500	metros cub.	$5.00	$2,500.00
Relleno Borrow A-2-4 o A-1 para grading	1,700	metros cub.	$11.00	$18,700.00
Capa de 6" mogolla A-2-4 o A-1 en 373 metros de calle	750	metros cub.	$21.00	$15,750.00
Mogolla en aceras	200	metros cub.	$22.00	$4,400.00
Construcción de aceras	800	metros lin.	$65.00	$52,000.00
Asfalto B-1 comp. a 2 pulgs. de espesor a 2200 mt^2	300	toneladas	$120.00	$36,000.00
Grading y compactación final para 3300 mt^2	450	metros cub.	$8.00	$3,600.00
Control de polvo fujitivo	40	dias	$250.00	$10,000.00
TOTAL :				**$172,140.00**
Notas:				
*Esta cotización será parte del contrato que se realice.				
*Se incluye pólizas del Fondo del Seguro del Estado y de responsabilidad pública.				
*Se asfalta un tramo de 245 metros lineales de calle.				
*No se incluye escavación de roca que no remueva la escavadora CAT 320 o equivalente.				
*No se incluye escavación de roca que no remueva la Bulldozer JD 750 o equivalente.				
*Se autoriza a utilizar estos costos unitarios para cambios de orden en el proyecto.				
*No incluye materiales ni trabajos que no estén escritos en esta cotización.				
*No incluye suplir agua para control de polvo u otros.				
*Precio para escavar roca es de $50.00 por metro cúbico compacto.				
*No incluye Arbitrios Municipales de Construcción u otros.				

25 agosto 2016

Attachment D

Technical Report

HYDROLOGIC AND HYDRAULIC STUDY

for Christopher Columbus Landing Resort Project

Aguadilla, PR

Prepared for:

Fernando L. Rodríguez & Associates

Prepared by:

CSA Architects & Engineers

March 1998

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Executive Summary

Koeniger Development Inc. (KDI) is proposing the development of a residential-tourism complex in the Borinquen Ward of Aguadilla. The project, known as Christopher Columbus Landing Resort (CCLR), will occupy a 168 acre parcel. The development will result in changes in the drainage and impermeabilty of the parcel, increasing the runoff toward the coastal area.

CSA Architects & Engineers (CSA) was contracted by KDI through Fernando L. Rodríguez & Associates (FLRA) to conduct an H/H study of the area to be urbanized as part of the project. The H/H was completed in accordance with Regulation Number 3 of the Puerto Rico Planning Board (PRPB). The purpose of the study was to define the changes in discharge rates that will occur between the actual and proposed condition. Utilizing the data from the H/H, a preliminary design of a potential pond for detention of the excess runoff was completed in compliance with PRPB Regulation #3, Flood Prone Areas Regulation.

This report presents the results of a study conducted to provide recommendation for mitigation of the increase in runoff that will be caused by the proposed development. The scope was to calculate hydrographs of the existing and proposed conditions to determine runoff differences between them. This difference was used to estimate a preliminary detention pond volume for the proposed development. Events with frequencies of 2, 5, 10, 25, 50 and 100 years were analyzed. From all these, the 100 year flood event has the largest volume difference (49.1 acre-ft) between the proposed and existing condition. The final design of the detention pond would depend on the proposed grading plan and the selected outlet structure as well as on the increase in runoff caused by the proposed project.

1.0 INTRODUCTION

Koeniger Development Inc. (KDI) is planning to develop a parcel in the Borinquen Ward of the Municipality of Aguadilla in Puerto Rico. The project, known as "Christopher Columbus Landing Resort" (CCLR), will be developed as a residential, tourist, commercial and recreational area.

The proposed project should comply with the Puerto Rico Planning Board Regulation Number 3 Article 15.04. This regulation establishes that the discharges of the storm runoff for the pre-development conditions of a site will not be exceeded in its post-development conditions for all the intensities and duration of the storm. Various measures could be used to control discharges, and comply with regulations. These include, but are not limited to, ponds, control of the size of the outlet pipe and provision of storage routing in the pipes.

A Hydrologic/Hydraulic study (H/H) was performed to provide recommendations for the mitigation of increased runoff due to the proposed development. Recommendations will include the estimated capacity of the detention pond needed to comply with the regulations mentioned above.

2.0 STUDY DESCRIPTION

2.1 Location

The proposed resort development will be located in the vicinity of Borinquen in the Municipality of Aguadilla, Puerto Rico (Figure 1). This is to the west side of Road 107, close to the beach coast of Punta Borinquen.

2.2 Existing Topography

Existing topography at proposed project site is considered to be smooth. Ground elevation range between 5 m (referred Mean Sea Level, MSL) at the west property limit and 17 m at the east. Basin altitude ranges from 78 m at the upper catch basin limit to 5 m at the proposed site for the development. There are several depressions and mounds in the area of the proposed project.

2.3 Water Bodies

There are two major basins (refered as Basin 1 and Basin 2) that drain into the proposed project site. They were analized in the existing and proposed conditions. The basins have a total area of 791.57 acres, nevertheless only 476.61 would drain to the proposed pond. This is because the runoff from 312.96 acres of Basin 1 would be by-passed to the original point of discharge in the north - limit of the proposed project site. (See attached Watershed Area and Runoff Curve Number sheet in Appendix C.)

2.3.1 Existing Condition

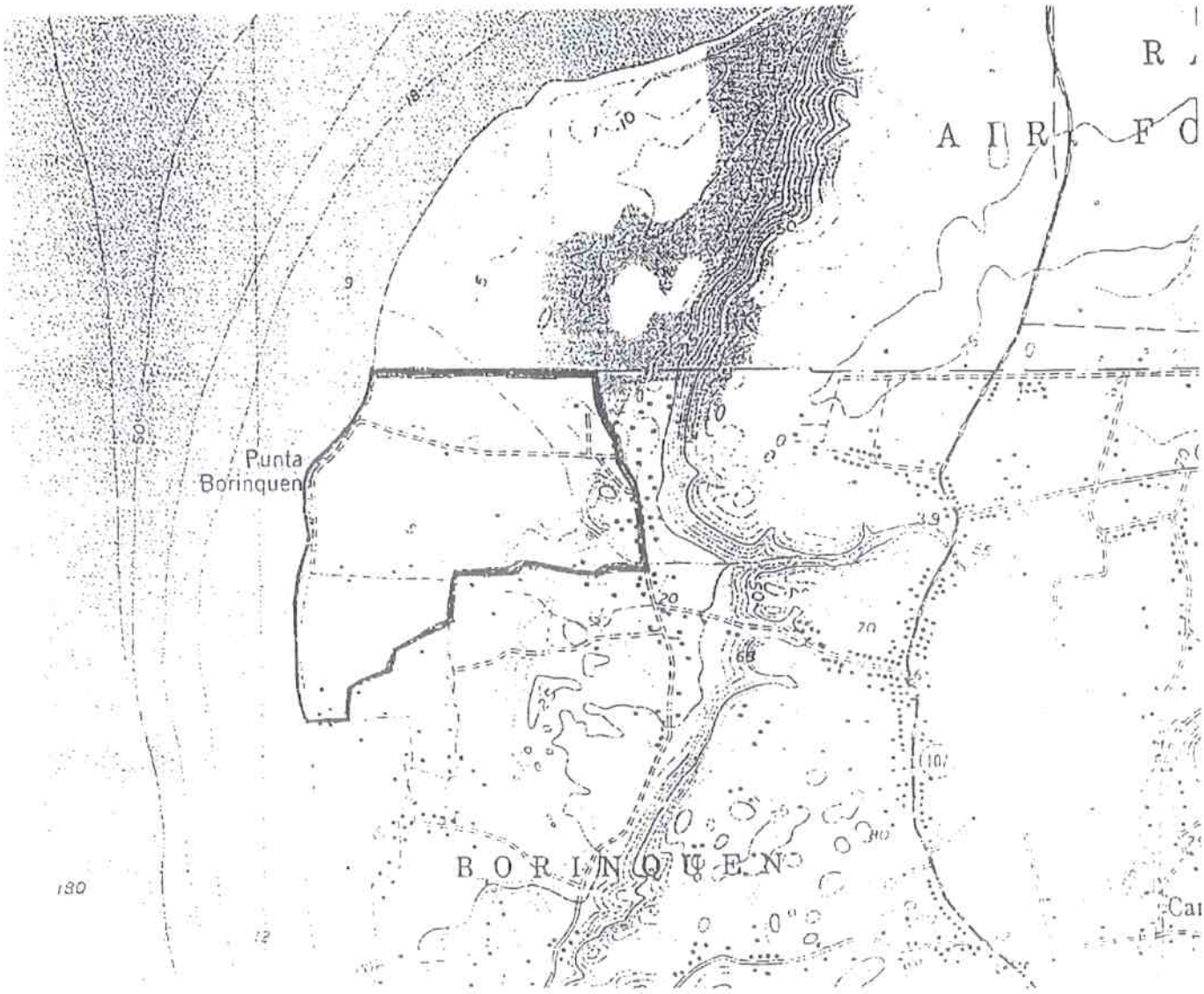
The area of Basin 1 is 365.89 acres. It was sub-divided into two subareas: one of 52.93 acres and another of 312.96 acres. The smaller one would be affected by the proposed project. From now on, this subarea would be referred as Area 1E. The other would be analized separately because as it was mentioned before, its runoff would be by-passed in the proposed condition. There is an ephimeral creek of approximately 7,500 feet through this basin. Only 2,559 feet are inside Area 1E. The flow in this reach is shallow concentrated over an earth-formed gutter. It has an average slope of 1.6 percent.

The Basin 2, referred as Area 2E, has 423.68 acres. There are several depressions inside this area that need further study to determine if they behave like sinkholes. Flow in this area is mostly shallow concentrated.

2.3.2 Proposed Condition

From Basin 1, only subarea 1E would be affected by the proposed project. Also, 115 acres from Area 2E would be affected. Results from the hydrologic study of existing conditions (Areas 1E & 2E), and of proposed conditions (Areas 1P & 2P) are presented in section 4.3.

FIGURE 1, SITE LOCATION



3.0 SCOPE OF WORK

The scope of work of the study was to provide recommendations for the mitigation of increased runoff due to the proposed development. The following tasks were performed to complete the scope of work:

- Collect data needed for the study. This data included topographic maps, land use maps, soil type maps, H/H studies performed at the area, and proposed development conceptual plan.
- Perform a hydrologic study to compute the flood hydrographs associated with the 2, 5, 10, 25, 50, and 100 yrs frequencies storm. These hydrographs were calculated for the existing and proposed conditions.
- Estimate the detention pond capacity needed for mitigation of the increase in runoff caused by the development.

4.0 HYDROLOGIC STUDY

4.1 Hydrologic Modeling Methodology

A hydrologic simulation was performed in accordance with the methods developed by the Soil Conservation Service (SCS) as presented in the National Engineering Handbook, Section 4 (SCS, 1985). The hydrologic model used was Pond Pack (Haestad Methods, 1990). This program computes surface runoff resulting from any synthetic or natural rainstorm.

The SCS method of runoff estimation involves the computation of a runoff Curve Number (CN). This number corresponds to hydrologic soil-cover relations and land uses. The major factors to determine CN are the hydrologic soil group, cover type, treatment, hydrologic condition, and antecedent moisture condition. Values of CN were obtained from tables prepared by the SCS and were weighted according to the soil type and land use area percentage on each subbasin.

The Antecedent Moisture Condition (AMC) is an index of watershed wetness at the beginning of a storm used with the runoff estimation method. Three levels of AMC are used: AMC I, AMC II, and AMC III. AMC I has the lowest runoff potential, AMC II the average, and AMC III the highest runoff potential. A condition of AMC II was used for this analysis to determine runoff discharges.

The time of concentration was estimated for each drainage area. Time of concentration is defined as the time for runoff to travel from the hydraulically most distant point of the watershed to a point of interest within the watershed overland. Time of concentration for sub-areas within the watershed were estimated using the SCS Velocity Method.

4.2 Hydrologic data

Soil characteristics of the study area were identified by means of Soil maps. The United States Department of Agriculture Soil Conservation Service (SCS, 1978), in cooperation with the University of Puerto Rico has published soil maps and classified the soils according to their hydrologic characteristics. Runoff Curve Numbers (CN's) were determined using the information provided in the Soil Map and Land Use Map together with the SCS tables. Sheets 2 and 3 in Appendix C show the Soil map and the Land Use map for the watershed area limits and proposed site for development. Table 1 summarizes hydrologic characteristics of each sub-basin.

Table 1. Sub-Basin Areas and Hydrologic Characteristics

Existing Condition

	Area (acre)	Area (mi^2)	T_c (hrs)	CN
1E	52.93	0.0827	0.355	69
2E	423.68	0.662	1.182	68

Table 2. Sub-Basin Areas and Hydrologic Characteristics

Proposed Condition

	Area (acre)	Area (mi^2)	T_c (hrs)	CN
1P	52.93	0.0827	0.129	85
2P	423.68	0.662	1.062	77

Precipitation values for the study area were obtained from the U.S. Weather Bureau Technical Paper number 42 (TP-42, 1962). Values of precipitation for recurrence periods of 2,5,10, 25, 50 and 100-years are presented in Table 3.

Table 3. Precipitation at Project Site

Frequency in years	Rainfall in inches
2	4.5
5	6.0
10	7.0
25	8.25
50	9.25
100	10.5

4.3 Hydrologic Modeling Results

Table 3 summarizes the results of the hydrologic system modeling. Model outputs for the hydrologic simulation study for the existing and proposed conditions are presented in Appendix A and Appendix B respectively, which also includes the hydrographs ordinates for each condition.

Table 3. Computed Watershed Discharges

Drainage Area	Runoff Discharge, ft^3/s	
	Existing Condition	Proposed Condition
A1&A2	301 [a]	486[a]
	539[b]	773[b]
	710[c]	971[c]
	933[d]	1,221[d]
	1,117[e]	1,423[e]
	1,350[f]	1,677[f]

Explanation :

[a] 2-years frequency
[b] 5-years frequency
[c] 10-years frequency
[d] 25-years frequency
[e] 50-years frequency
[f] 100-years frequency

5.0 DETENTION POND ANALYSIS

A detention pond will be needed to mitigate the increase in runoff caused by the proposed development. Pond capacity was estimated by overlaying the existing and proposed hydrographs for the 100 year frequency storm to determine their volume differences.

A detention pond of approximately 50 acre-ft will be needed to mitigate the proposed conditions runoff increase. This volume is preliminary and should be verified with proposed grading plan and pond outlet structures. The design for the pond should take into account the following criteria:

- Meet Local Regulatory Criteria.
- Design for Easy Maintenance (and Easy Access)
- Provide Pond Bottom Drainage
- Stabilize Trickle Channels.
- Allow for Sediment Buildup.
- Improve Water Quality.
- Account for Impacts Immediately Upstream & Downstream.
- Account for Regional Impacts.
- Design Structures that have Low (or dissipated) Outlet Velocities.
- Guard Against Overtopping.
- Check Design with Multiple Frequency Storm.

6.0 CONCLUSIONS AND RECOMMENDATIONS

According to the results of the hydrologic and hydraulic simulations described in this report, it can be concluded that:

- The proposed residential development will increase runoff within the area.
- A detention pond of 50 acre-ft capacity, with four stand pipes of 108 inches in diameter, is the recommended structure for the mitigation of the runoff increase caused by the proposed development.
- The final design of the pond would depend on the outlet structure selected and proposed grading plan, as well as on the increase of runoff caused by the proposed project.
- Further study of the terrain depressions within the area is needed to determine their infiltration rate.

7.0 REFERENCES

Commonwealth of Puerto Rico, Department of Transportation and Public Works Highway Authority; Highway Design Manual. 1979.

French, R.H. , Open Channel Hydraulics. McGraw-Hill Book Company, 1985.

Haestad Methods; Pond Pack Package, 1997.

Puerto Rico Planning Board; Flood Prone Areas Regulation . Planning Regulation No. 13. July, 1994

Soil Conservation Service; National Engineering Handbook: Section 4, Hydrology. Amend. 6, March 1985.

Soil Conservation Service, University of Puerto Rico; Soil Survey of the Western Area of Puerto Rico. November, 1978

US Department of Commerce, Weather Bureau: Technical Paper No. 42 Generalized Estimates of Probable Maximum Precipitation and Rainfall-Frequency Data for Puerto Rico and Virgin Islands. 1962

United States Geologic Survey; Aguadilla Quadrangle. Photo revised in 1982. SW-Series E 835. 1969.

Viessman, et al.; Introduction to Hydrology. Third Edition, Harper & Row Publisher, 1989.

8.0 APPENDIX

Attachment F

NPDES FORM 3510-9	EPA	UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, DC 20460 NOTICE OF INTENT (NOI) FOR STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY UNDER AN NPDES GENERAL PERMIT	Form Approved. OMB Nos. 2040-0004

Submission of this Notice of Intent (NOI) constitutes notice that the operator identified in Section II of this form requests authorization to discharge pursuant to the NPDES Construction General Permit (CGP) permit number identified in Section I of this form. Submission of this NOI also constitutes notice that the operator identified in Section II of this form meets the eligibility requirements of Parts 1.1 and 1.2 of the CGP for the project identified in Section III of this form. Permit coverage is required prior to commencement of construction activity until you are eligible to terminate coverage as detailed in Part 8 of the CGP. To obtain authorization, you must submit a complete and accurate NOI form. Discharges are not authorized if your NOI is incomplete or inaccurate or if you were never eligible for permit coverage. Refer to the instructions at the end of this form.

I. Approval to Use Paper NOI Form

Have you been given approval from the Regional Office to use this paper NOI form*? ☐ Yes ☐ NO

If yes, provide the reason you need to use this paper form, the name of the EPA Regional Office staff person who approved your use of this form, and the date of approval:

Reason for using paper form:

Name of EPA staff person:

Date approval obtained:

*** Note: You are required to obtain approval from the applicable Regional Office prior to using this paper NOI form.**

II. Permit Information:

Tracking Number (EPA Use Only) PRR12A438

Permit Number: PRR120000 (see Appendix B of the CGP for the list of eligible permit numbers)

III. Operator Information

Name: Caribbean Management Group

Phone: 787-398-2874 Fax (Optional):

Email: rvincenty.60@gmail.com

IRS Employer Identification Number (EIN): 66-0673031

Point of Contact (First Name, Middle Initial, Last Name): Reinaldo Vincenty

Mailing Address:

Street: Carretera #2 Km. 86.4 Edif. 193

City: Hatillo State: PI Zip: 00659

NOI Preparer (Complete if NOI was prepared by someone other than the certifier):

Prepared by (First Name, Middle Initial, Last Name): jose j de jesus

Organization: Ing. Jose de Jesus Vazquez

Phone: Fax (Optional):

E-mail: ingjijn@hotmail.com

IV. Project/Site Information

Project/Site Name: Christopher Columbus Landing

Project/Site Address:

Street/Location:

City: Aguadilla State: PR Zip: 00603

County or similar government subdivision: Aguadilla

For the project/site for which you are seeking permit coverage, provide the following information:

Latitude/Longitude (Use one of three possible formats, and specify method)

Latitude 1.	18.28.46	N(degrees, minutes, seconds)	Longitude 1.	67.09.54	W(degrees, minutes, seconds)
2.		N(degrees, minutes, decimal)	2.		W(degrees, minutes, decimal)
3.		N(degrees, decimals)	3.		W(degrees, decimals)

Latitude/Longitude Data Source: ☑ U.S.G.S topographical map ☐ EPA Web Site ☐ GPS ☐ Other:

If you used a U.S.G.S. topographic map, what was the scale? 1:20000

Horizontal Reference Datum: ☐ NAD 27 ☑ NAD 83 or WGS 84 ☐ Unknown

Is your project/site located in Indian Country lands, or located on a property of religious or cultural significance to an Indian tribe? ☐ Yes ☑ No

If yes, provide the name of the Indian tribe associated with the area of Indian country (including name of Indian reservation, if applicable), or if not in Indian country, provide the name of the Indian tribe associated with the property:

Are you requesting coverage under this NOI as a "federal operator" as defined in Appendix A? ☐ Yes ☑ No

Estimated Project Start Date: 10/29/2013 Estimated Project Completion Date: 10/29/2014

Estimated Area to be Disturbed (to the nearest quarter acre): 5.0

Have earth-disturbing activities commenced on your project/site? ☐ Yes ☑ No

If yes, is your project an emergency-related project? ☐ Yes ☑ No

Have stormwater discharges from your project/site been covered previously under an NPDES permit? ☐ Yes ☑ No

If yes, provide the Tracking Number if you had coverage under EPA's CGP or the NPDES permit number if you had coverage under an EPA individual permit:

V. Discharge Information

Does your project/site discharge stormwater into a Municipal Separate Storm Sewer System (MS4)? ☐ Yes ☑ No

Are there any surface waters within 50 feet of your project's earth disturbances? ☐ Yes ☑ No

Receiving Waters and Wetlands Information: (Attach a separate list if necessary)

Surface water(s) to which discharge	Impaired Water	Listed Water Pollutant(s)	Tier 2, 2.5 or 3	Source	TMDL Name and Pollutant
Atlantic Ocean	No		No	EPA Impaired Water Maps	

Describe the methods you used to complete the above table: Please refer to the Source(s) in the above table.

VI. Chemical Treatment Information

Will you use polymers, flocculants, or other treatment chemicals at your construction site? ☐ Yes ☑ No

If yes, will you use cationic treatment chemicals* at your construction site? ☐ Yes ☐ No

If yes, have you been authorized to use cationic treatment chemicals by your applicable EPA Regional Office in advance of filing your NOI*? ☐ Yes ☐ No

If you have been authorized to use cationic treatment chemicals by your applicable EPA Regional Office, attach a copy of your authorization letter and include documentation of the appropriate controls and implementation procedures designed to ensure that your use of cationic treatment chemicals will not lead to a violation of water quality standards.

Please indicate the treatment chemicals that you will use:

* Note: You are ineligible for coverage under this permit unless you notify your applicable EPA Regional Office in advance and the EPA office authorizes coverage under this permit after you have included appropriate controls and implementation procedures designed to ensure that your use of cationic treatment chemicals will not lead to a violation of water quality standards.

VII. Stormwater Pollution Prevention Plan (SWPPP) Information

Has the SWPPP been prepared in advance of filing this NOI? ☑ Yes ☐ No

SWPPP Contact Information:

First Name, Middle Initial, Last Name: Reinaldo Vincenty

Organization: Caribbean Management Group

Phone: 7873982874 Fax (Optional):

E-mail: rvincenty.60@gmail.com

VIII. Endangered Species Protection

Using the instructions in Appendix D of the CGP, under which criterion listed in Appendix D are you eligible for coverage under this permit (only check 1 box)?

☑ A ☐ B ☐ C ☐ D ☐ E ☐ F

Provide a brief summary of the basis for criterion selection listed in Appendix D (e.g., communication with U.S. Fish and Wildlife Service or National Marine Fisheries Service, specific study):Communication with U.S. Fish and Wildlife Service

If you select criterion B, provide the Tracking Number from the other operator's notification of authorization under this permit:

If you select criterion C, you must attach a copy of your site map (see Part 7.2.6 of the permit), and you must answer the following questions:

What federally-listed species or federally-designated critical habitat are located in your "action area":

What is the distance between your site and the listed species or critical habitat (miles):

If you select criterion D, E, or F, attach copies of any letters or other communications between you and the U.S. Fish and Wildlife Service or National Marine Fisheries Service.

IX. Historic Preservation

Are you installing any stormwater controls as described in Appendix E that require subsurface earth disturbance? (Appendix E, Step 1) ☑ Yes ☐ No

If yes, have prior surveys or evaluations conducted on the site have already determined historic properties do not exist, or that prior disturbances have precluded the existence of historic properties? (Appendix E, Step 2) ☑ Yes ☐ No

If no, have you determined that your installation of subsurface earth-disturbing stormwater controls will have no effect on historic properties? (Appendix E, Step 3) ☐ Yes ☐ No

If no, did the SHPO, THPO, or other tribal representative (whichever applies) respond to you within the 15 calendar days to indicate whether the subsurface earth disturbances caused by the installation of stormwater controls affect historic properties? (Appendix E, Step 4) ☐ Yes ☐ No

If yes, describe the nature of their response:

☐	Written indication that adverse effects to historic properties from the installation of stormwater controls can be mitigated by agreed upon actions.
☐	No agreement has been reached regarding measures to mitigate effects to historic properties from the installation of stormwater controls.
☐	Other: ____

X. Certification Information

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

First Name, Middle Initial, Last Name: Reinaldo Vincenty

Title:

Signature:

Date: Thursday, August 15, 2013

E-mail: rvincenty.60@gmail.com

Company: Caribbean Management Group
ATTN: Reinaldo Vincenty
Carretera #2 Km. 86.4 Edif. 193
Hatillo PI 00659

Project/Site: Christopher Columbus Landing
Carretera 107 Km. 2.2 Interior
Aguadilla PR 00603

Permit Tracking Number: PRR12A438

This email acknowledges that a complete Notice of Intent (NOI) form seeking coverage under EPA's Construction General Permit (CGP) is now active. Your NOI was completed and submitted on Thursday, August 15, 2013. Coverage under this permit began at the conclusion of your 14 day waiting period on Wednesday, August 28, 2013, unless otherwise notified by EPA.

For tracking purposes, the following number has been assigned to your NOI form:PRR12A438. Attached to this email, you will find an electronic copy of your completed NOI which should be posted at your site.

As stated above, this email acknowledges receipt of a complete NOI. However, it is not an EPA determination of the validity of the information you provided. Your eligibility for coverage under this permit is based on the validity of the certification you provided. Your electronic signature on this form certifies that you have read, understood, and are implementing all of the applicable requirements. An important aspect of this certification requires that you have correctly determined whether you are eligible for coverage under this permit.

As you know, the CGP requires you to have developed a Stormwater Pollution Prevention Plan (SWPPP) prior to submitting your NOI. The CGP also includes specific requirements for erosion and sediment control, stabilization, pollution prevention, inspections, corrective actions, and staff training. You must also comply with any additional location-specific requirements applicable to your state or tribal area as described in the CGP. Note that a copy of the CGP must be kept with your SWPPP. An electronic copy of the CGP and additional guidance materials can be viewed and downloaded at: http://www.epa.gov/npdes/stormwater

If you have general questions regarding the stormwater program or your responsibilities under the CGP, please call your region contact. Regional contact email and phone number can be found at: http://cfpub.epa.gov/npdes/contacts.cfm
If you have questions about your NOI form, please call the EPA NOI Processing Center at 1-866-352-7755 (toll free) or send an inquiry via the online form at:
http://cfpub.epa.gov/npdes/noicontact.cfm

If you have difficulty accessing CDX, please contact the CDX Help Desk at: (888) 890-1995.

You can return to the eNOI system using the following link at any time
https://cdx.epa.gov/SSL/cdx/login.asp.

EPA NOI Processing Center
Operated by Avanti Corporation
1200 Pennsylvania Ave., NW
Mail Code: 4203M
Washington, DC 20460
1-866-352-7755

Attachment G

STORMWATER POLLUTION PREVENTION PLAN (SWPPP)
For:
URBANIZATION PERMITS (ACCESS STREET) AT CHRISTOPHER COLUMBUS LANDING DEVELOPMENT AGUADILLA P.R.

STATE ROAD PR-107, KM. 2.2 (INTERIOR)
SECTOR PLAYUELA
Borinquen Ward, Aguadilla P.R.

SWPPP PREPARATION DATE:
JULY 16 2013

Ing. José J. de Jesús Vázquez
Lic. 9193
Calle Dr. Cueto Pr. Altos
Aguadilla, PR 00641
Tel 787-201-4530
Email ingjjjn@hotmail.com

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Appendix L – Additional Information (i.e, Endangered Species and Historic Preservation Documentation)

SECTION 1: SITE EVALUATION, ASSESSMENT, AND PLANNING

1.1 Project/Site Information

Project/Site Name: Cristopher Colombus Landing

Project Street/Location: State Road PR-107, Km. 2.2, (interior) Borinquen Ward

City: Aguadilla State: PR ZIP Code: 00605

County or Similar Subdivision: _____

Latitude/Longitude

Latitude:
18 ° 28' 46" N (degrees, minutes, seconds)

Longitude:
-67 °09' 56" W (degrees, minutes, seconds)

Method for determining latitude/longitude:

☒ USGS topographic map (specify scale: 1:20000) ☐ EPA Web site ☐ GPS

☐ Other (please specify): _____

Is the project located in Indian country? ☐ Yes ☒ No

If yes, name of Reservation, or if not part of a Reservation, indicate "not applicable."_____

Is this project considered a federal facility? ☐ Yes ☒ No

NPDES project or permit tracking number*: PRR12A438

**(This is the unique identifying number assigned to your project by your permitting authority after you have applied for coverage under the appropriate National Pollutant Discharge Elimination System (NPDES) construction general permit.)*

1.2 Contact Information/Responsible Parties

Operator(s):

Owner: Caribean Management Group
Company Name: **Caribean Management Group**
Company Representative: **Mr. Reinaldo Vincenty**
Address: : **Calle Urpila 321 Urb. Villa Toledo Arecibo P.R. 00612**
Phone Number: **(787) 398-2874**
Fax Number: **(787) 650-5821**
Email: **rvincenty.cmg@gmail.com**

Contractor:
Company Name: **Caribean Management Group**
Company Representative: **Mr. Reinaldo Vincenty, President**
Physical Address: **Calle Urpila 321 Urb. Villa Toledo Arecibo P.R. 00612**
Postal Address: **Calle Urpila 321 Urb. Villa Toledo Arecibo P.R. 00612**
Phone Number: **(787) 398-2874**
Fax Number: **(787) 650-5821**
Email: **rvincenty.cmg@gmail.com**

Project Manager(s) or Site Inspection(s):

Company Name: **Eng. Jose J. de Jesus Vazquez**
Company Representative: **Eng. Jose J. de Jesus Vazquez Resident Inspector**
Address: **Calle Dr. Cueto # 87 Utuado P.R. 00641**
Phone Number: **(787) 201-4530**
Fax Number: **(787) 894-3100**
Email: **ingjjjn@hotmail.com**

SWPPP Contact(s):

Company Name: **Eng. Jose J. de Jesus Vazquez**
Company Representative: **Eng. Jose J. de Jesus Vazquez Resident Inspector**
Address: **Calle Dr. Cueto # 87 Utuado P.R. 00641**
Phone Number: **(787) 201-4530**
Fax Number: **(787) 894-3100**
Email: **ingjjjn@hotmail.com**

Emergency 24-Hour Contact:

Company Name : **Caribean Management Group**
Company Representative: **Mr. Reinaldo Vincenty, President**
Physical Address: : **Calle Urpila 321 Urb. Villa Toledo Arecibo P.R. 00612**
Postal Address: **Calle Urpila 321 Urb. Villa Toledo Arecibo P.R. 00612**
Phone Number: **(787) 398-2874**
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This SWPPP was Prepared by:

Company Name: **Eng. Jose de Jesus Vazquez**
Company Representative : **Eng. José de Jesús Vázquez**
Address: **PO Box 1959 Utuado , PR, 00641**
Phone Number: **(787) 201-4530**
Fax Number: **(787) 894-3100**
Email: **ingjjjn@hotmail.com**

1.3 Nature and Sequence of Construction Activity

Caribbean Management Group wishes to develop a commercial, residential and touristic project in Aguadilla PR. Such project will be located in Carr 107 Km 2.2 (interior) of the Playuela sector, in the Borinquen Ward of said town. The project will encompass an area of approximately 80 acres.

The first phase of the project will consist in the construction of the street portion that will serve as access to the areas that will be developed in the future. Such construction has been already approved by an urbanization permit by OGPE # PO13-00-00116. As we were designing this first phase, we took into consideration the natural terrain slopes present at the site. It is our intention to extract a minimum amount of earth material, which will in turn be used to prepare the vegetated areas that will embellish the street. For such reason, there shall be no deposit of material from outside of the construction site.

We will create *bioswales* to absorb the surface runoff water that may overflow during this phase. We will also use silt fences, together with hay bales, around the perimeter. This combination will effectively reduce and control erosion and sedimentation during construction. A water-spray system will be used to control the dust particles that may enter the air as the construction takes place. Additionally, a moving truck will provide similar services to every area in the site that may generate dust particles. Furthermore, we will install a tire-wash station, so that the dirt or otherwise undesired particles may be contained within the work site, and not be transported outside the project's boundaries. The contractors will hire a private company to dispose of all the non-hazardous waste produced during construction.

We understand that reforestation is a concern; however, the land that will be affected during this phase is covered by weeds and pastures. This area will be then replanted with grass and covered, to the extent possible, with vegetated areas. In the event that a tree is affected by the development in this area, we will plant a similar one, thus assuring the company's commitment with the environment.

To ensure the area's stability we will practically maintain the area's topography undisturbed, while using the area's natural slope, as stated above. Nevertheless, if a gradient change does occur, we will compact the land in such manner that we are able to guarantee proper stability. Afterwards, the affected areas will be also covered by grass which will further aid the stabilization process.

The information contained herein exposes the measures we will be taking during the first phase of our project. We hope that such measures satisfy the rules and regulations set forth by overseeing agencies.

What is the function of the construction activity?

☐ Residential ☐ Commercial ☐ Industrial ☒ Road Construction ☐ Linear Utility

☐ Other (please specify):

Estimated Project Start Date: October 29, 2013

Estimated Project Completion Date: November 29, 2014

The following table summarizes the construction activities to be performed:

Table 1 Timeline of Activity

Estimated Timeline	Description of Construction Activity or BMP Description
Oct 29/ 13 – Nov 6/ 13 Oct 29 /13 – Nov 6/ 13 Oct 29/ 13 – Nov 6/ 13 Oct 29/ 13 – Nov 6/ 13	1) Install perimeter silt fences 2) Construct stabilized construction access 3) Install straw bales on perimeter and on runoff flow areas 4) Install temporary sanitary facilities
Nov 6/ 13 – Nov 13/ 13	1) Begin clearing and grubbing preparations
Nov 6/ 13 – Nov 13/ 13 Nov 14/ 13 – Nov 27/ 13	1) Prepare area for top soil stockpiling 2) Begin clearing and grubbing
Nov 27/ 13 – Dic 3/ 13	1) Begin cut/ fill operations
Dic 3/ 13 – March 10/ 14	1) Continue cut / fill operations

Mar 18/ 14 – Jun 22/ 14	1) Prepare pavement sub-grade
Jun 23 /14- Oct. 15/14	1) Pavement Finish
Estimated Timeline	**Description of Construction Activity or BMP Description**
Sep 1/ 14 – Sep 15/ 14 Sep 12/ 14 – Oct 1/ 14 Oct 1/ 14 – Oct 20/ 14	1) Remove temporary BMP's controls 2) Prepare final seeding and landscaping 3) Monitor stabilized areas until final stabilization is reached

1.4 Soils, Slopes, Vegetation, and Current Drainage Patterns

Soil type(s)

The soil can be classified as beach and sand deposits mainly sandy and silty clays, yellowish-brown color, with depths up to 5 feet with particular strength and granulometric composition. This soil is underlain by completely to severely weathered limestone material, very dense, pale yellow color with rock fragments. From the Natural Resources Conservation Service Web soil survey, the soils are identified as Maleza fine sandy loam and Jobos sandy loam.

Topography and Grading:

The existing topographic characteristics show that the parcel is mostly a flat coastal terrain with elevations between 0 to 15 meters M.S.L. with slopes between 1% and 5%. The proposed development is contemplated on this area.

On the South side of the parcel there is a steeper portion with elevations between 8 to 16 meters M.S.L. No development is contemplated on the remaining steepest areas.

On the area were the access is going to be developed, based on the proposed grading plans, no major cut & fill operations will be performed. The proposed elevations and slopes will remain as close to the existing surface as possible.

Drainage Patterns:

Currently all of the parcel surface runoff flow on the natural slopes and discharges freely to the West, lower portion of the land parcel, up to the Atlantic Ocean.

Vegetation:

The area to be developed is mainly covered with grasses and weeds, and a few trees and palm trees. The remaining areas of the parcel area more vegetated with grasses, bushes and trees. The existing surface vegetation will be stripped and palms trees will be removed only on the areas being developed. New vegetation will be established on the developed area after earthwork operations are finished.

1.5 Construction Site Estimates

The following are estimates of the construction site:

Total project area:	80 acres
Construction site area to be disturbed:	5 acres
Impervious area before construction :	0 acres
Percentage impervious area before construction:	0%
Impervious area after construction :	5 acres
Percentage impervious area after construction:	6.25%
Runoff coefficient before construction:	0.20
Runoff coefficient after construction:	0.70

1.6 Receiving Waters

Description of receiving waters:

The receiving water body is the Atlantic Ocean.

Description of storm sewer systems:

There is no storm sewer system on the existing site. For the access road development no new storm sewer system is proposed. A surface runoff system consisting of "bioswales" will be established along the proposed access road.

1.7 Site Features and Sensitive Areas to be Protected

Description of unique features that are to be preserved:
Existing native trees on the not disturbed areas must be preserved. The coast line with the Atlantic Ocean shall also be preserved and undisturbed. Also an existing sinkhole on the parcel shall also be protected,

Describe measures to protect these features:
In order to prevent any harmful conditions, soil erosion control measures will be implemented in order to prevent the transportation of sediments into the water body or the sinkhole.

All the natural surface runoff will be diverted to "bio-swales" in order to settle all the suspended solids or sediments from the disturbed areas.

Existing trees to remain will be protected with temporary fences or earth berms, to prevent being disturbed by heavy construction equipment.

1.8 Potential Sources of Pollution

Potential sources of sediment to stormwater runoff:
The identified sources of sediment are:

- Exposed earth surface after the vegetation stripping
- During the grading fill material deposit
- Vehicular traffic on earthwork areas
- During landscape operations

Potential pollutants and sources, other than sediment, to stormwater runoff:
Other identified sources of pollutants are:

- Oil, grease, gasoline, diesel, or kerosene from discharged from construction machinery from normal daily operations.
- Temporary sanitary facilities
- Concrete pouring residuals
- Construction material residuals (plastic, foam, wood, asphalt and paper)
- Paint, solvents
- Pesticides from landscaping activities

More detailed information on the table below:

Potential pollutants and sources table

Trade Name Material	Stormwater Pollutants	Location
Motor Oil	Oil, Grease	Leaking from machinery or equipment
Sanitary facilities	Coliforms, bacteria	Temporary sanitary toilets
Concrete	Limestone, sand, gravel	On street areas
Pesticide	Organic compounds, hydrocarbons	On Landscape areas
Gasoline, diesel, kerosene	Petroleum distillates	Leaking from machinery or equipment
Asphalt	Petroleum distillates	On street area
Paint, Solvents	Volatile Organic Compounds	On street area

1.9 Endangered Species Certification

Are endangered or threatened species and critical habitats on or near the project area?

☒ Yes ☐ No

Describe how this determination was made:

The project was submitted for review to the United States Department of the Interior Fish & Wildlife Service (FWS), which provided a communication regarding the project.

If yes, describe the species and/or critical habitat:

The FWS identified that the project is within the range of the endangered Puerto Rican Boa (*epirates inornatus*). They indicated that vegetated areas supporting habitat for the boa on the Southeast shall not be developed. They also indicated that the shoreline is an habitat for the Carey Turtle 'Eretmochelys imbricate", thus measures shal be taken to not affect their habitat.

If yes, describe or refer to documentation that determines the likelihood of an impact on identified species and/or habitat and the steps taken to address that impact.

The contractor will perform a review of the area prior to removing the existing vegetation and beginning earthwork operations. The removal of forested areas will be minimized by constructing on the less vegetated areas. Also new tree species will be planted on site. No construction activities will be performed on the shoreline or on the Southeast portion of the parcel..

1.10 Historic Preservation

Are there any historic sites on or near the construction site?

☐ Yes ☒ No

Describe how this determination was made:

The project was submitted for the review of the State "Instituto de Cultura Puertorriqueña", which oversees the preservation of historic sites.

If yes, describe or refer to documentation that determines the likelihood of an impact on this historic site and the steps taken to address that impact.

N/A

1.11 Applicable Federal, Tribal, State or Local Programs

Other applicable federal, tribal, state or local soil and erosion control and stormwater management requirements that apply to the construction site.

The project is subject to state agency "Junta de Calidad Ambiental or "Environmental Quality Board" regulations regarding, erosion control, solid waste management, air quality/ pollutants and to the "Oficina de Gerencia de Permisos" OGPE, Consolidated Permit.

1.12 Maps

See Appendix B – Site Maps:

- General Location Map
- Topographic Plan
- Grading Plan & Storm Sewer System Plan
- Planting Plan
- Erosion Control Plan

SECTION 2: EROSION AND SEDIMENT CONTROL BMPS

2.1 Minimize Disturbed Area and Protect Natural Features and Soil

Areas Affected

A total of 5 acres of the total of 80 acres will be disturbed. The remaining acres that will not be affected will be protected to avoid any impact.

Existing Vegetation

The vegetation on both the disturbed and the disturbed areas is similar, composed of trees, brushes and grasses. The existing vegetation on the non-construction areas will remain unaffected.
The topsoil removed from the premises will be stockpiled on the same construction area. This topsoil will be kept confined on a specific designated area for its future use as topsoil on the finished project, any excess topsoil will be discarded from the project and transported to an authorized site.

BMP Description: Vegetation Protection
The preserved area will be separated from the construction zone by means of 3'-0" high silt fences and fences or concrete barriers that will impede the transit of construction heavy equipment.

Installation Schedule:	All the protection will be installed before the construction begins
Maintenance and Inspection:	The fences and protections will be inspected once a week to determine if any segment need replacement or improvements.
Responsible Staff:	Contractor

Topsoil

BMP Description:
The topsoil will be stripped and hauled into a designated area to be stockpiled. This stockpiled soil will be later used at the end of the construction phase for the proposed planting areas, or any excess discarded outside the project area. The slopes of the stockpiled soil will be maintained at 2H:1V. A silt fence will be installed around the perimeter of the stockpile.

Installation Schedule:	The topsoil will be stripped and hauled into at the beginning of the earthwork operations, during the clearing and grubbing phase. The silt fence protection will be installed immediately after the stockpile has been established.
Maintenance and Inspection:	The stockpiles will be verified weekly and after storm events in order to accommodate any soil displacements that affect the slopes stability. Also the silt fence on the perimeter will be replaced every 60 days. All fences and protections will be inspected once a week to determine if any segment need replacement or improvements.
Responsible Staff:	Contractor

2.2 Phase Construction Activity

The total project will be constructed in various phases. The first phase under consideration for this SWPPP, will consist in the construction of the main access street.

The works to be performed include:

- Clearing & Grubbing
- Top Soil Stockpiling
- Earthwork operations
- Access street construction
- Landscaping Activities

Duration of phase (start date, end date):

- This phase will begin on October 29, 2013 until October 29, 2014.

List of BMPs associated with this phase

In order to minimize potential sediment on runoff, the following BMP;s will be implemented:

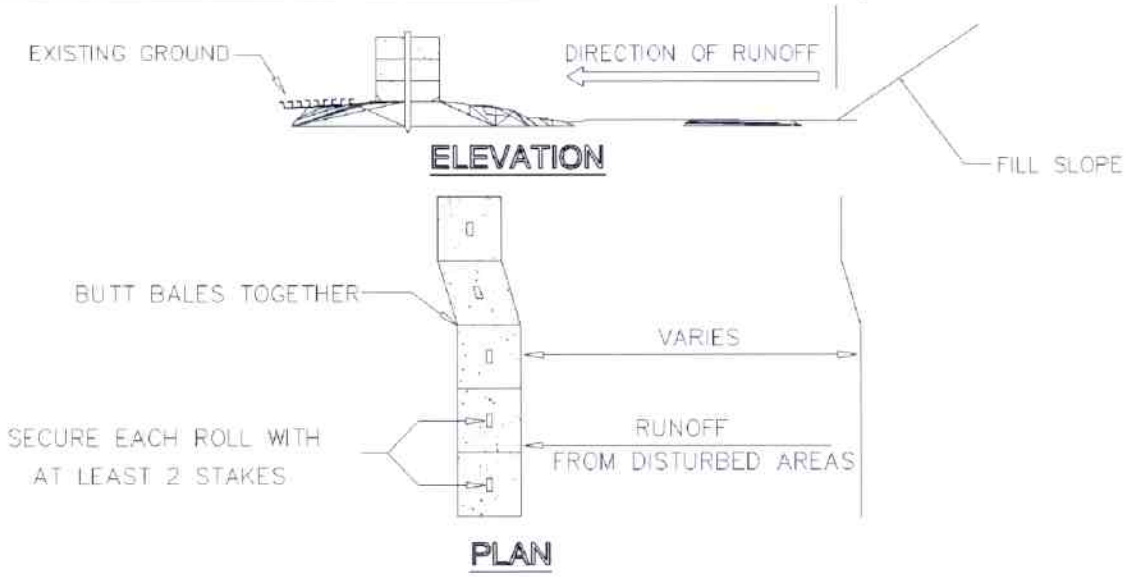
- Silt fence will be installed around the perimeter of the project's construction limit
- Straw bales will be installed along the projected runoff flow path
- Areas to be left undisturbed will be delimited with silt fence and fences
- Existing vegetation will be protected
- Construction of stabilized construction entrance with gravel
- After earthwork operation ends, stabilization methods that will be used:
    - Installation of grass sod on slopes
    - Landscaping installation (Grass and trees)

2.3 Control Stormwater Flowing onto and through the Project

***BMP Description*: Straw Bale Dike**

Straw bale dikes will be installed at toe of slopes or where needed in order to control and convey the runoff flowing through the project. This will dissipate water velocity and trap sediments. The dikes will be removed or adjusted after the installation of the storm sewer system.

***Installation Schedule*:**	Will be constructed during the second week of the construction process, and before earthwork operations begin
***Maintenance and Inspection*:**	Every two weeks, and after storm events, the dikes will be inspected. Excessive sediment and/or debris will be removed. Removed sediments will be hauled off-site for disposal.
***Responsible Staff*:**	Contractor



INSTALLATION OF A STRAW BALE BARRIER AT TOE OFF FILL

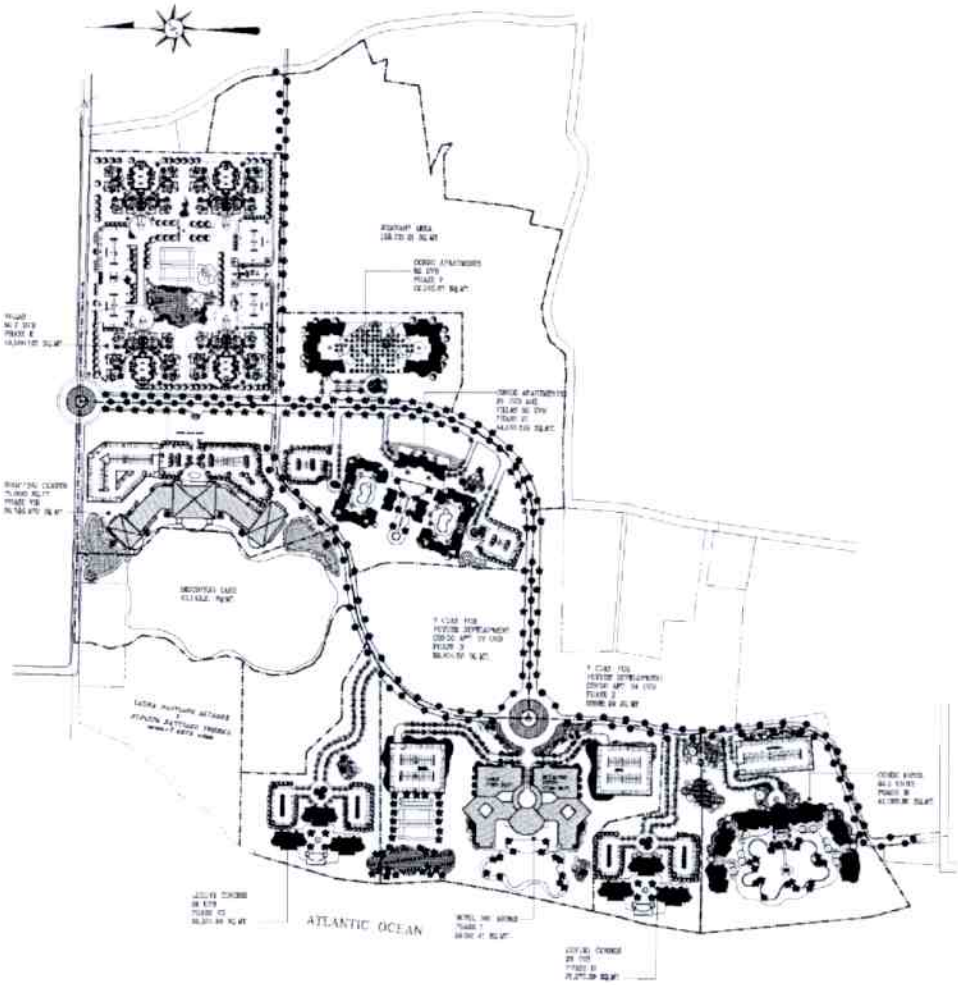
NOT TO SCALE

2.4 Stabilize Soils

BMP Description: Water Irrigation *A water truck will be used to dampen the unexposed soil areas where dust can be generated. Also access roads will be dampened.*	
☐ ***Permanent***	☒ ***Temporary***
Installation Schedule:	Water dampening will be applied every day during grading operations, on all access roads where earthwork equipment is passing by.
Maintenance and Inspection:	Every day as needed
Responsible Staff:	Contractor

Typical Water Irrigation Truck

BMP Description: Grass & Tree Planting	
Permanent stabilization will be done after finishing grading by means of the planting of new tree species and the sodding of grass on planting areas. New trees will be planted according to a planting plan approved by the P.R. Natural Resources Department.	
☒ ***Permanent***	☐ ***Temporary***
Installation Schedule:	Begins a week after grading operations ends and will continue until the end of the construction activities.
Maintenance and Inspection:	Grass sodded areas and planted trees will be inspected weekly after their installation in order to prevent any dry areas, or inadequate growing. If areas are not growing, they will be reseeded and fertilized, and tress substituted. Permanent watering is expected during construction. After construction ends area will be monitored until final stabilization is reached.
Responsible Staff:	Contractor



PlantingAreas

2.5 Protect Slopes

BMP Description: Sodded Grass

Sodded grass will be installed on all major cut or fill slopes, that are prone to erosion due to runoff.

Installation Schedule:	The sodded grass will be installed once the slopes have reached final grade.
Maintenance and Inspection:	The sodded grass will be inspected after storm events to determine if any segment is deteriorated, and need to be replaced.
Responsible Staff:	Contractor

BMP Description: Trees Planting

Permanent stabilization will be done after finishing grading by means of the planting of new tree species. New trees will be planted according to a planting plan approved by the P.R. Natural Resources Department

Installation Schedule:	Begins a week after grading operations ends and will continue until the end of the construction activities.
Maintenance and Inspection:	Planted trees will be inspected weekly after their installation in order to prevent inadequate growing. If areas are not growing properly, they will be fertilized, and tress substituted. Permanent watering is expected during construction. After construction ends area will be monitored until final stabilization is reached.
Responsible Staff:	Contractor

2.6 Protect Storm Drain Inlets

BMP Description: Inlet protection with straw Bales

There is no existing or proposed storm drain system on this phase.

Installation Schedule:	N/A
Maintenance and Inspection:	N/A
Responsible Staff:	N/A

BMP Description: Inlet protection with silt fences

There is no existing or proposed storm drain system on this phase.

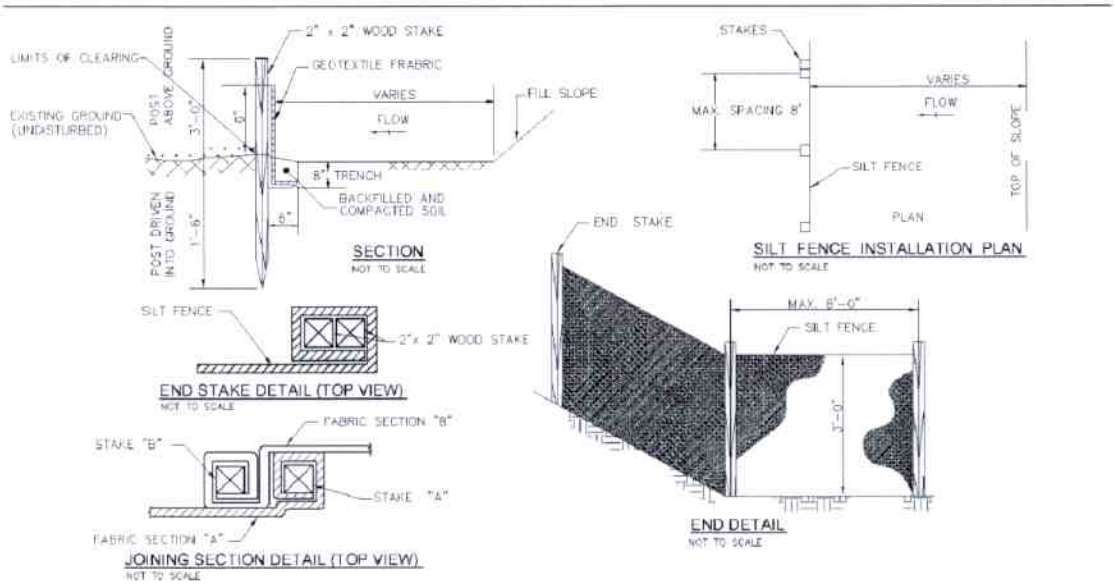
Installation Schedule:	N/A.
Maintenance and Inspection:	N/A
Responsible Staff:	N/A

2.7 Establish Perimeter Controls and Sediment Barriers

BMP Description: Silt Fence

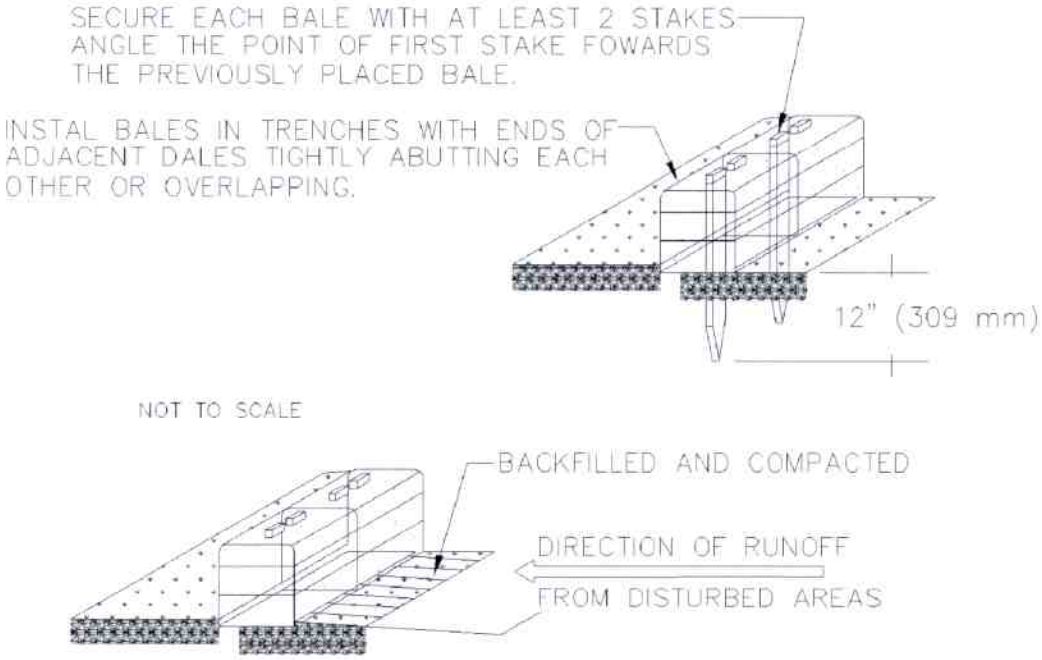
Silt fences will be installed around the perimeter of the construction site and around the topsoil stockpile. Silt fences will be installed by excavating a 12-inch deep trench along the line of the proposed installation. Wooden post supporting the silt fence will be spaced 4 to 6 feet apart and driven securely into the ground for 18 inches. The silt fence will be fastened to the posts. The bottom edge of the silt will extend across the bottom of the trench and the trench will be backfilled and compacted to prevent runoff discharge underneath the silt fence.

☐ ***Permanent***	☒ ***Temporary***
Installation Schedule:	The silt fences will be installed before construction begins at the site and around stockpiles.
Maintenance and Inspection:	Silt fences will be inspected weekly and after storm events to look for stability, tearing or open gaps. If gaps or tears re found, the fence will be repaired or replaced. Accumulated sediment from the fence base will be removed after it reaches one third of the fence height. Silt fences should be verified for possible replacement every six months.
Responsible Staff:	Contractor



Silt Fence Details

BMP Description: Straw Bales	
Straw bales will be installed on locations where runoff flows discharge swales are expected. The straw bales will be accommodated on excavated trenches 6 inches depth. The bales will be securely attached with 2 woods stakes per bale, embedded 12 inches into the ground.	
Installation Schedule:	The straw bales will be installed before construction begins at the site and around stockpiles.
Maintenance and Inspection:	Straw bales will be inspected weekly and after storm events. If gaps or torn are found, the bales will be repaired or replaced. Accumulated sediment from the bales will be removed after it reaches one third of the bales height. Bales should be verified for possible replacement every six months.
Responsible Staff:	Contractor



STRAW BALES INSTALLATION

NOT TO SCALE

2.8 Retain Sediment On-Site

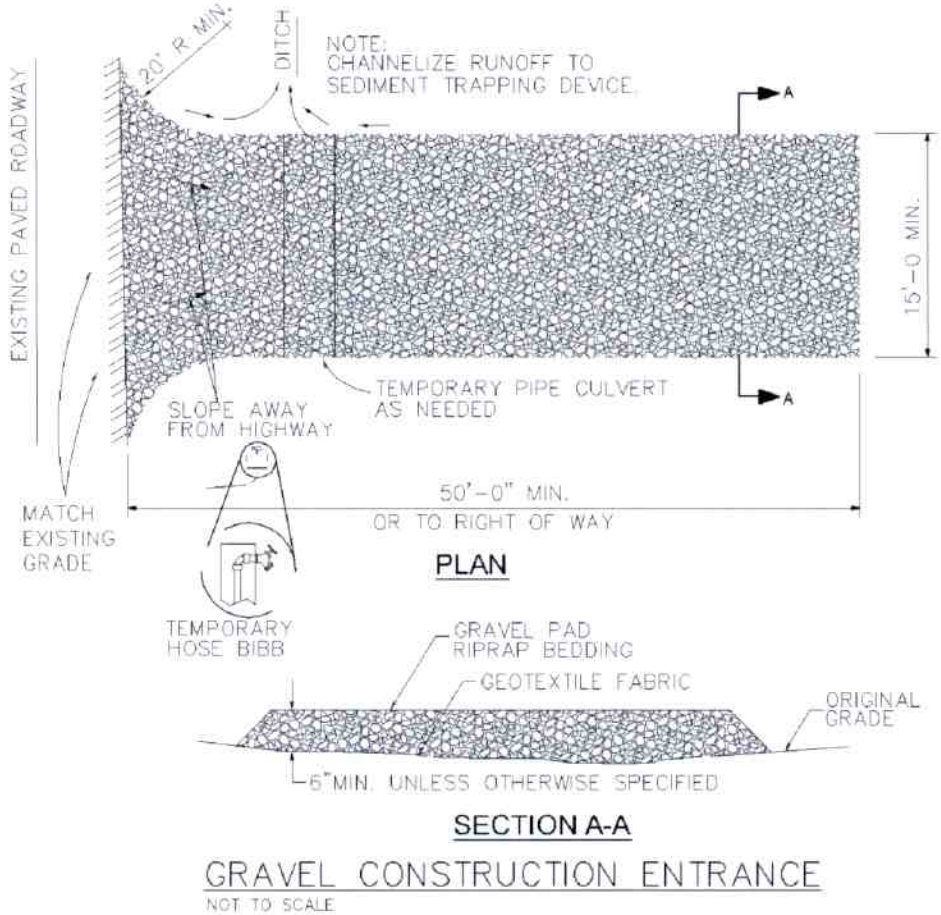
***BMP Description*: Detention Structure and Catch Basin**

There is no existing or proposed storm drain system on this phase.

***Installation Schedule*:**	N/A
***Maintenance and Inspection*:**	N/A
***Responsible Staff*:**	N/A

2.9 Establish Stabilized Construction Exits

BMP Description: Stabilized Construction Entrance *Gravel will be installed at the construction access in order to prevent sediment to be carried out of the project site by construction vehicles. The stabilized access will have a minimum length of 30 feet by 3 feet width and 6 inches deep.*	
Installation Schedule:	The stabilized access will be installed before construction begins.
Maintenance and Inspection:	The stabilized access will be inspected weekly and immediately after storm events. The access will be maintained in a condition that will prevent sediment tracking on to the adjacent streets. Once the sediment clogs the spaces between the gravel, the area will be topdressed with new crushed stone. Replacement of the entire pad might be necessary when the pad becomes completely filled with sediment.
Responsible Staff:	Contractor



GRAVEL CONSTRUCTION ENTRANCE

NOT TO SCALE

2.10 Additional BMPs

BMP Description: No additional BMP's are contemplated	
Installation Schedule:	N/A
Maintenance and Inspection:	N/A
Responsible Staff:	N/A

SECTION 3: GOOD HOUSEKEEPING BMPS

3.1 Material Handling and Waste Management

BMP Description: Waste Material Handling

All domestic and construction debris waste will be collected on-site in a trash metal container. This container will be placed in a secure and distant location from storm sewer systems. All containers will have a secure lid and comply with local regulations. All waste will be collected and transported to an authorized landfill, with an authorized private transportation company.

Installation Schedule:	The waste container will be installed at the beginning of the construction process ad will remain until the project completion.
Maintenance and Inspection:	The container will be inspected for leaks and emptied weekly. The waste will be transported to an authorized landfill by a private transport company to be selected. If the waste exceeds the capacity of the container, the container will be emptied more frequently.
Responsible Staff:	Contractor

BMP Description: Hazardous Waste

All hazardous waste materials such as paint, oil and petroleum products and maintenance fluids will be stored inside a sealed container and segregated from non-hazardous waste. Spill pallets will be installed. All hazardous waste will be disposed according to local and federal regulations.

Installation Schedule:	At the beginning of the construction process, a separate container will be installed and proper signage included.
Maintenance and Inspection:	The container will be inspected for leaks and emptied weekly. The waste will be transported to an authorized landfill by a private transport company to be selected. If the waste exceeds the capacity of the container, the container will be emptied more frequently. Cleanup supplies and emergency contact numbers will be maintained at the project's office trailer.
Responsible Staff:	Contractor

BMP Description: Sanitary Waste

Two temporary sanitary facilities (portable toilets) will be provided at the construction site. The toilets will be away from a stormwater runoff flow path and traffic flow.

Installation Schedule:	*The portable toilets will be installed at the beginning of the construction process*
Maintenance and Inspection:	*All sanitary waste will be collected from the portable toilets two times a week. The toilets will be inspected daily for leaks. Leaking toilets will be removed and replaced.*
Responsible Staff:	Contractor

BMP Description: Waste Recycling

Recyclable construction items will be disposed on a designated container. Recyclable articles will include cardboard, plastic, aluminum and wood pallets. This container will be placed in a secure and distant location from storm sewer systems. All containers will have a secure lid and comply with local regulations. All waste will be collected and transported to an authorized recycling center, with an authorized private transportation company.

Installation Schedule:	The waste containers will be installed at the beginning of the construction process ad will remain until the project completion.
Maintenance and Inspection:	The container will be inspected for leaks and emptied weekly. The waste will be transported to an authorized landfill by a private transport company to be selected. If the waste exceeds the capacity of the container, the container will be emptied more frequently.
Responsible Staff:	Contractor

3.2 Establish Proper Building Material Staging Areas

BMP Description: Material Storage

Construction materials and equipment will be stored inside the project's limit. This area will have sealed and locked shipping steel containers for the storage of small materials, and tools. On this area, all other materials such as reinforcing steel, wood, and pipes will be kept on the open on designated areas, and separated from any water body. Large items will be elevated on wood or concrete blocks to minimize contact with runoff. Also a silt fence will be installed on the perimeter.

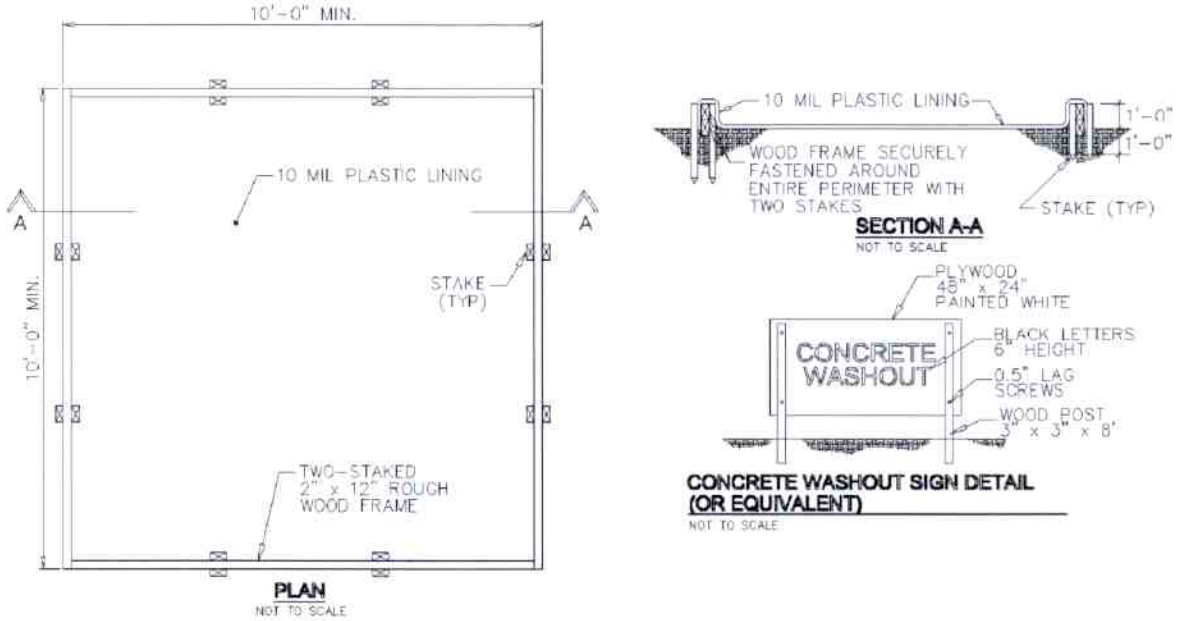
Installation Schedule:	The material storage area will be installed before construction begins.
Maintenance and Inspection:	Materials storage areas will be inspected weekly and after storm events. Storage areas will be kept clean and organized. Container structures and silt fences will be repaired or replaced as needed.
Responsible Staff:	Contractor

3.3 Designate Washout Areas

BMP Description: Concrete Washout

Temporary concrete washout areas will be installed next to the buildings construction areas. The washout area will consist of a 10' x 10' wood frame 1'-0" above grade, with an attached 10 mil. plastic liner. A 4' x 2' painted plywood sign indicating the washout area will be installed. All excess concrete from the concrete mixers and chutes will be discharged to the washout area. The hardened concrete will be removed with the plastic liners and disposed properly. During storm events no concrete pouring is expected. If a storm event occurs during a pouring, another plastic liner will be installed to cover any exposed concrete on the washout area.

Installation Schedule:	The concrete washout areas will be installed before the concrete pouring activities begin.
Maintenance and Inspection:	The washout areas will be inspected after each concrete pouring to ensure no leaks and tears are present and to identify when concrete wastes need to be removed. When the concrete holding capacity has been reached, the hardened concrete will be broken up and removed with the liner to be taken to an approved container for disposal.
Responsible Staff:	Contractor



Concrete Truck Washout Area

3.4 Establish Proper Equipment/Vehicle Fueling and Maintenance Practices

BMP Description: Equipment maintenance

Heavy construction equipment will be used in-site throughout the project. Equipment will include but it is not limited to: Dozers, dump trucks, loaders, excavators, cranes, rollers, backhoes, trailers. All major equipment and vehicle fueling and maintenance will be performed off-site. When vehicle fueling or maintenance must be done on-site, those activities will be performed on the storage material and staging area, outside of the project's limit. All equipments fluids or parts removed will be disposed on appropriate spill proof containers to be disposed properly. Spill clean-up materials will be available on-site.

Installation Schedule:	Equipment and vehicles maintenance and fueling operations will be implemented at the beginning of construction.
Maintenance and Inspection:	Vehicles and vehicle storage areas will be inspected daily before any construction activity begins. If any leaks are detected, the vehicle or equipment will be removed from the project site and repaired off–site. Any used cleanup materials will be disposed properly.
Responsible Staff:	Contractor

3.5 Control Equipment/Vehicle Washing

BMP Description: Vehicles Tire Washing

Vehicles that transport materials off-site will be subjected to tire washing before leaving the project's area. By using the stabilized construction access as described in section 2.9, the tires will be washed with high pressure hose, and all sediments or dirt on the vehicles tires will be deposited on the gravel pad. The gravel pad will be maintained clean as specified on section 2.9.

Installation Schedule:	At the beginning of construction
Maintenance and Inspection:	The stabilized access will be inspected weekly and immediately after storm events. The access will be maintained in a condition that will prevent sediment tracking on to the adjacent streets. Once the sediment clogs the spaces between the gravel, the area will be topdressed with new crushed stone. Replacement of the entire pad might be necessary when the pad becomes completely filled with sediment.
Responsible Staff:	Contractor

3.6 Spill Prevention and Control Plan

Spill prevention and control measures

Employee training:

All employees will be trained before construction begins and briefed monthly in relation to spill prevention and control measures.

Vehicles Maintenance:

Routine maintenance for vehicles and equipments will be realized off-site. A daily inspection will be performed on all vehicles and equipment to identify any leaks of oil, and fluids. Any leaking vehicle or equipment will be removed from the site and repaired.

Hazardous material storage:

Hazardous materials will be stored in accordance to state and federal regulations, and proper handling will be attained as specified on sections 3.1 and 3.2.

Spill kits:

Spill cleanup kits will; be available on site and within the materials storage area.

Spills:

All spills will be cleaned up immediately upon discovery. Used absorbent materials will be removed off-site ant stored and disposed properly according to regulations. Spills large enough to discharge to surface water will be reported to the National Response Center at 1-800-424-8802 and Junta de Calidad Ambiental at 787-767-8181.

Material safety data sheets:

Material safety data sheets, material inventory and emergency contact information will be maintained at the project office trailer.

BMP Description: Spill prevention and control measures

Installation Schedule:	Spill prevention and control procedures will be implemented once construction begins on-site
Maintenance and Inspection:	All personnel will be instructed and trained before construction operations begin, regarding the correct procedures for spill prevention and control. During construction, once a month the personnel will be refreshed with spill prevention procedures. After any spill cleanup materials are used, they will be collected and disposed properly, and new materials will be acquired and replaced.
Responsible Staff:	Contractor

3.7 Any Additional BMPs

BMP Description: No additional BMP's are expected to be used.	
Installation Schedule:	N/A
Maintenance and Inspection:	N/A
Responsible Staff:	N/A

3.8 Allowable Non-Stormwater Discharge Management

List allowable non-stormwater discharges and the measures used to eliminate or reduce them and to prevent them from becoming contaminated:

BMP Description: Water used to control dust *Dust control will be implemented as needed during earthwork operations by means of a water truck with special pressure spray applicators. It is expected that during cut & fill operations, watering will be needed on all heavy equipment traffic areas. Water will be applied at a rate of 300 gallons per acre, no more than three times a day.*	
Installation Schedule:	Water dampening will be applied every day during earthwork operations, on all access roads where earthwork equipment is passing by.
Maintenance and Inspection:	Every day as needed, the water truck will be re-filled with water.
Responsible Staff:	Contractor

BMP Description: Uncontaminated Excavation Dewatering *Due to the site nature and topographic and soil characteristics, no dewatering is expected to occur at the project site. If dewatering does occur, the SWPPP will be revised to address this situation.*	
Installation Schedule:	N/A
Maintenance and Inspection:	N/A
Responsible Staff:	Contractor

BMP Description: Landscape Irrigation

Irrigation water will be sprayed by means of hoses connected to the water distribution system. Waters will be directed into soil and lawns. The irrigated areas will be inspected for excess watering and to adjust watering times and schedules.

Installation Schedule:	After planting trees and grass installation is completed.
Maintenance and Inspection:	Irrigation will be applied every other day to grass areas and planting strips in order to promote plant growth. Excess water that can discharge into impervious areas will be prevented.
Responsible Staff:	Contractor

BMP Description: Uncontaminated Water Line Flushing

Uncontaminated water from water line flushing of site infrastructure utilities will be discharged into the sediment basin to avoid contact with disturbed areas. If water from the line flushing becomes contaminated, the water line will be blocked off and the flushed water will be pumped to a tanker truck, which will haul the contaminated water off-site.

Installation Schedule:	During lines flushing, as needed.
Maintenance and Inspection:	Process will verified for leaks during operation, if any leaks are detected, the flushing operation will be stopped, and proper corrective measures be implemented before flushing continues.
Responsible Staff:	Contractor

SECTION 4: SELECTING POST-CONSTRUCTION BMPs

***BMP Description*: Bioswales**

A stormwater bioswale system will be constructed. This system will collect the runoff from the site in order to capture the sediments that will settle. This measures will prevent sediment discharge into the Atlantic Ocean outside the project limits.

***Installation Schedule*:**	Will be constructed during the second week of the construction process, and before earthwork operations begin
***Maintenance and Inspection*:**	Every two weeks, and after storm events, the structures will be inspected. Excessive sediment and/or debris will be removed. Removed sediments will be hauled off-site for disposal.
***Responsible Staff*:**	Contractor

BMP Description: Grass & Tree Planting	
Permanent stabilization will be done after finishing grading by means of the planting of new tree species and the sodding of grass on planting areas. New trees will be planted according to a planting plan approved by the P.R. Natural Resources Department.	
Installation Schedule:	Begins a week after grading operations ends and will continue until the end of the construction activities.
Maintenance and Inspection:	Grass sodded areas and planted trees will be inspected weekly after their installation in order to prevent any dry areas, or inadequate growing. If areas are not growing, they will be reseeded and fertilized, and tress substituted. Permanent watering is expected during construction. After construction ends area will be monitored until final stabilization is reached.
Responsible Staff:	Contractor

SECTION 5: INSPECTIONS

5.1 Inspections

1. ***Inspection Personnel:*** Identify the person(s) who will be responsible for conducting inspections and describe their qualifications:

Eng. Eng. José de Jesús Vázquez, Professional Engineer , Project Inspector

Mr. de Jesus is responsible for site compliance with this SWPPP and EPA's Construction General Permit. Mr. de Jesus will conduct inspections for all areas of the site disturbed by construction activity, areas used for storage of materials that are exposed to precipitation, discharge points and construction access.

Qualifications

Mr. de Jesus, is a registered professional engineer in Puerto Rico, with license number #9193. He has over 30 years of experience in the construction related field. He has been in charge of numerous residential and commercial projects.

He has deep knowledge of the environmental permitting process, and has worked with state regulations regarding erosion and sediment control plans.

2. *Inspection Schedule and Procedures:*

The General Construction Permit requires one inspection at least every 7 days, or 2 at least once every 14 days and within 24 hours of the end of a storm event of one-half inch or greater.

All inspections will follow the inspection report indicated below. The inspections will verify that all BMP's will be implemented, maintained and effectively minimize the discharge of pollutants and sediments into the stormwater runoff at the project site.

Photos will be taken and attached to each report, and a copy of the report will be stored at the project office. A copy of the report will be handed to the owner and contractors for their review.

Describe the general procedures for correcting problems when they are identified. Include responsible staff and time frames for making corrections:

The report will indicate any innefective measure and will indicate if corrective actions are needed.

- *If corrective actions are needed as identified by the project inspector, the owner and contractors will be notified.*
- *Construction operations can be modified or stopped if the condition presents a hazardous situation,.*
- *The contractor will be responsible for initiating the corrective action within 24 hours (or as required by the situation), of the report notice. Also must complete or provide maintenance as soon as possible or before the next storm event.*
- *After the completion of the correcting deficiencies, the inspector and the owner will be notified for the corresponding inspection of the corrective measures. The inspector shall approve the corrective measures before continuing operations on the affected area.*

Attach a copy of the inspection report you will use for your site.

For a copy of the report, see Appendix E

5.2 Delegation of Authority

Duly Authorized Representative(s) or Position(s):

Company Name: **Eng. José de Jesús Vázquez**
Company Representative: **Eng José de Jesús Vázquez, Resident Inspector**
Address: **Calle Dr. Cueto # 87 Utuado P.R. 00641**
Phone Number: **(787) 201-4530**
Fax Number**: (787) 894-3100**
Email: **ingjjjn@hotmail.com**

Attached is a copy of the signed delegation of authority form in Appendix K.

5.3 Corrective Action Log

Corrective Action Log:

See appendix F – Corrective Action Log

SECTION 6: RECORDKEEPING AND TRAINING

6.1 Recordkeeping

Records will be retained for a minimum period of at least 3 years after the permit is terminated.

Date(s) when major grading activities occur:
See Appendix I –Grading and Stabilization Activities Log
Date(s) when construction activities temporarily or permanently cease on a portion of the site:
See Appendix I –Grading and Stabilization Activities Log
Date(s) when an area is either temporarily or permanently stabilized:
See Appendix I –Grading and Stabilization Activities Log

6.2 Log of Changes to the SWPPP

Log of changes and updates to the SWPPP
See Appendix G –SWPPP Amendment Log

6.3 Training

Individual(s) Responsible for Training:
Eng. Jose de Jesus vazquez

Describe Training Conducted:

- **General stormwater and BMP awareness training for staff and subcontractors:**

Mr. de Jesus will conduct informal training for all staff, including subcontractors, on the site. The training will be conducted in one session. The training will focus on the installation and use procedures for BMP's. Also emphasis will be given on avoiding damage to stormwater BMP's and preventing illicit discharges.

Other items to be discussed are:

- Erosion Control BMP's
- Sediment and Runoff Control,
- Waste Management Practices
- Materials Storage
- Hazardous Substances Storage and Disposal
- Emergency Procedures
- Non stormwater BMP's
- Good Housekeeping BMP's

- **Detailed training for staff and subcontractors with specific stormwater responsibilities:**

Mr. de Jesus will provide formal training to all staff, subcontractors and supervisors with specific BMP' responsibilities. The session will cover design, specifications, installation and maintenance procedures for each BMP's to be implemented on the project site
This will take in effect before any BMP's are installed on the project site

See Appendix J –Training Log

SECTION 7: FINAL STABILIZATION

BMP Description: Permanent Planting

Permanent grass seeding will be applied after final design grades are achieved. This shall occur no later than two weeks after construction activities are ended. Top soil will be distributed on planting areas. Grass seeds will be applied on specified areas such as planting strips, patios and slopes. New graded areas will be planted with native species trees and mulch and fertilizers will be applied.

Installation Schedule:	Installation after final grading is attained
Maintenance and Inspection:	Planted trees will be inspected weekly after their installation in order to prevent inadequate growing. If areas are not growing, they will be fertilized, and tress substituted. Permanent watering is expected during construction. After construction ends area will be monitored until final stabilization is reached.
Responsible Staff:	Contractor

BMP Description: Pavement

Concrete or asphalt pavement will be applied on finished access roads and streets.

Installation Schedule:	After final grading is attained on streets.
Maintenance and Inspection:	A final inspection will be performed to determine if any cracks or infiltration are present. Any correction will be performed.
Responsible Staff:	Contractor

SECTION 8: CERTIFICATION AND NOTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name: **Eng. José de Jesús Vázquez** Title: **Inspector** (Owner's representative)

Signa Date: July 16, 2013

JOSE J. DE JESUS VAZQUEZ
INGENIERO
LICENCIADO
LIC. 9193
PUERTO RICO

SWPPP APPENDICES

Appendix A – General Location Map

Appendix B – Site Maps

Appendix C – Construction General Permit

Appendix D – NOI and Acknowledgement Letter from EPA/State

Appendix E – Inspection Reports

Appendix F – Corrective Action Log

Appendix G – SWPPP Amendment Log

Appendix H – Subcontractor Certifications/Agreements

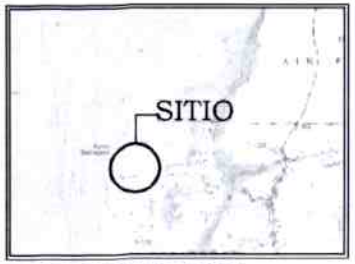
Appendix I – Grading and Stabilization Activities Log

Appendix J – Training Log

Appendix K – Delegation of Authority

Appendix L – Additional Information (Endangered Species and Historic Preservation Documentation)

Appendix A



PLANO DE LOCALIZACION ESCALA 1:20,000

"COORDENADAS LAMBERT"
N- 71,8[illegible] mts
E- 74,[illegible] mts

LEYENDA:

LINEA DE CONTORNO 1.00mts

LINEA DE CONTORNO 0.50mts

ELEVACION EXISTENTE

TABLA DE COORDENADAS RECTANGULAR Y ESPECIALES				
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

NOTAS:

1. LAS DISTANCIAS ANGULARES Y LINEALES SE DISTINGUIRAN SIN GRADOS, MINUTOS Y SIN SEGUNDOS, A MENOS QUE DE OTRA MANERA SE INDIQUE.
2. SE REFIERE LAS COORDENADAS DE ESTA LIBRETA A LA ESCALA DE COORDENADAS LOCAL.
3. EL EQUIPO USADO PARA OBTENER TRABAJO DE CAMPO FUE:
   A. ESTACION TOTAL [illegible]
   B. CINTA DE ACERO PARA [illegible]
4. TRABAJO DE CAMPO FUE INICIO DE JUNIO A JULIO DE 2007.
5. LOS ESCRITOS [illegible] NO SON [illegible] ING. MIRADO TIPO Y/O TAMAÑO DEL DIBUJO CUAL EL REPRESENTA.

GRAPHIC SCALE

1 0 1 2 3 4 5 6 7

1 : 1800

EL ING. JOSE DE JESUS VAZQUEZ, CERTIFICA POR ESTE MEDIO, QUE ESTE PLANO TOPOGRAFICO Y SU ESCRITURA DE UNA REPRESENTACION GRAFICA EXACTA Y VERDADERA DE LAS CONDICIONES EXISTENTES.

CERTIFICO CORRECTO

ING. JOSE J. DE JESUS VAZQUEZ
P.E LIC.# 9193

PROJECT NAME:
TOPOGRAFIA DE FINCA PROPIEDAD DE CARIBBEAN MANAGMENT GROUP,INC LOCALIZADO EN CARR.#107 KM.2.2 EN EL Bo. BORINQUEN,SECTOR LA PLATUELA, DEL MUNICIPIO DE AGUADILLA

ING.JOSE J. DE JESUS VAZQUEZ & ASOCIADOS
CALLE DR. CUETO #27 ALTOS, UTUADO P.R.00641
TEL. / FAX. (787) 894-4848

DRAWING TITLE
PLANO TOPOGRAFICO

REVISIONS			
No.	DATE	DESCRIPTION	BY

DRAWING NAME: TOPO

SCALE: 1:1800

DRAWN BY: | CHECKED BY:

PROJ. TITLE: | PROJ. NUMBER: | PLAN NUMBER: | DATE: 27-FEB-2007

Appendix B

Appendix C

Appendix D

Company: Caribbean Management Group
ATTN: Reinaldo Vincenty
Carretera 107 Km. 2.2 Interior
Aguadilla PR 00603

Project/Site: Christopher Columbus Landing
Carretera 107 Km. 2.2 Interior
Aguadilla PR 00603

Permit Tracking Number: PRR12A438

Thank you for using the eNOI system to prepare your Construction General Permit (CGP) Notice of Intent (NOI).

This correspondence acknowledges that you have submitted a complete NOI form to be covered under EPA¡¯s 2012 CGP. Your NOI has been assigned permit tracking number PRR12A438 Coverage under this permit begins at the conclusion of your 14-day waiting period on Thursday, August 29, 2013, unless you are otherwise notified that a hold has been placed on your permit authorization. You will receive an email informing you of the date your coverage under the CGP is active.

If you have any questions, please call the EPA NOI Processing Center at 1-866-352-7755 (toll free) or send an email to noi@avanticorporation.com.

EPA NOI Processing Center
Operated by Avanti Corporation
1200 Pennsylvania Ave., NW
Mail Code: 4203M
Washington, DC 20460

NPDES FORM 3510-9	EPA	UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, DC 20460 NOTICE OF INTENT (NOI) FOR STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY UNDER AN NPDES GENERAL PERMIT	Form Approved. OMB Nos. 2040-0004

Submission of this Notice of Intent (NOI) constitutes notice that the operator identified in Section II of this form requests authorization to discharge pursuant to the NPDES Construction General Permit (CGP) permit number identified in Section I of this form. Submission of this NOI also constitutes notice that the operator identified in Section II of this form meets the eligibility requirements of Parts 1.1 and 1.2 of the CGP for the project identified in Section III of this form. Permit coverage is required prior to commencement of construction activity until you are eligible to terminate coverage as detailed in Part 8 of the CGP. To obtain authorization, you must submit a complete and accurate NOI form. Discharges are not authorized if your NOI is incomplete or inaccurate or if you were never eligible for permit coverage. Refer to the instructions at the end of this form.

I. Approval to Use Paper NOI Form

Have you been given approval from the Regional Office to use this paper NOI form*? ☐ Yes ☐ NO

If yes, provide the reason you need to use this paper form, the name of the EPA Regional Office staff person who approved your use of this form, and the date of approval:

Reason for using paper form:

Name of EPA staff person:

Date approval obtained:

*** Note: You are required to obtain approval from the applicable Regional Office prior to using this paper NOI form.**

II. Permit Information: Tracking Number (EPA Use Only) PRR12A438

Permit Number: PRR120000 (see Appendix B of the CGP for the list of eligible permit numbers)

III. Operator Information

Name: Caribbean Management Group

Phone: 787-398-2874 Fax (Optional):

Email: rvincenty.60@gmail.com

IRS Employer Identification Number (EIN): 66-0673031

Point of Contact (First Name, Middle Initial, Last Name): Reinaldo Vincenty

Mailing Address:

Street: Carretera #2 Km. 86.4 Edif. 193

City: Hatillo State: PI Zip: 00659

NOI Preparer (Complete if NOI was prepared by someone other than the certifier):

Prepared by (First Name, Middle Initial, Last Name): jose j de jesus

Organization: Ing. Jose de Jesus Vazquez

Phone: Fax (Optional):

E-mail: ingjjjn@hotmail.com

IV. Project/Site Information

Project/Site Name: Christopher Columbus Landing

Project/Site Address:

Street/Location: Carretera 107 Km. 2.2 Interior

City: Aguadilla State: PR Zip: 00603

County or similar government subdivision: Aguadilla

For the project/site for which you are seeking permit coverage, provide the following information:

Latitude/Longitude (Use one of three possible formats, and specify method)

Latitude 1.	18.28.46	N(degrees, minutes, seconds)	Longitude 1.	67.09.54	W(degrees, minutes, seconds)
2.		N(degrees, minutes, decimal)	2.		W(degrees, minutes, decimal)
3.		N(degrees, decimals)	3.		W(degrees, decimals)

Latitude/Longitude Data Source: ☑ U.S.G.S topographical map ☐ EPA Web Site ☐ GPS ☐ Other:

If you used a U.S.G.S. topographic map, what was the scale? 1:20000

Horizontal Reference Datum: ☐ NAD 27 ☑ NAD 83 or WGS 84 ☐ Unknown

Is your project/site located in Indian Country lands, or located on a property of religious or cultural significance to an Indian tribe? ☐ Yes ☑ No

If yes, provide the name of the Indian tribe associated with the area of Indian country (including name of Indian reservation, if applicable), or if not in Indian country, provide the name of the Indian tribe associated with the property:

Are you requesting coverage under this NOI as a "federal operator" as defined in Appendix A? ☐ Yes ☑ No

Estimated Project Start Date: 10/29/2013 Estimated Project Completion Date: 10/29/2014

Estimated Area to be Disturbed (to the nearest quarter acre): 5.0

Have earth-disturbing activities commenced on your project/site? ☐ Yes ☑ No

If yes, is your project an emergency-related project? ☐ Yes ☑ No

Have stormwater discharges from your project/site been covered previously under an NPDES permit? ☐ Yes ☑ No

If yes, provide the Tracking Number if you had coverage under EPA's CGP or the NPDES permit number if you had coverage under an EPA individual permit:

V. Discharge Information

Does your project/site discharge stormwater into a Municipal Separate Storm Sewer System (MS4)? ☐ Yes ☑ No

Are there any surface waters within 50 feet of your project's earth disturbances? ☐ Yes ☑ No

Receiving Waters and Wetlands Information: (Attach a separate list if necessary)

Surface water(s) to which discharge	Impaired Water	Listed Water Pollutant(s)	Tier 2, 2.5 or 3	Source	TMDL Name and Pollutant
Atlantic Ocean	No		No	EPA Impaired Water Maps	

Describe the methods you used to complete the above table: Please refer to the Source(s) in the above table.

VI. Chemical Treatment Information

Will you use polymers, flocculants, or other treatment chemicals at your construction site? ☐ Yes ☑ No

If yes, will you use cationic treatment chemicals* at your construction site? ☐ Yes ☐ No

If yes, have you been authorized to use cationic treatment chemicals by your applicable EPA Regional Office in advance of filing your NOI*? ☐ Yes ☐ No

If you have been authorized to use cationic treatment chemicals by your applicable EPA Regional Office, attach a copy of your authorization letter and include documentation of the appropriate controls and implementation procedures designed to ensure that your use of cationic treatment chemicals will not lead to a violation of water quality standards.

Please indicate the treatment chemicals that you will use:

* Note: You are ineligible for coverage under this permit unless you notify your applicable EPA Regional Office in advance and the EPA office authorizes coverage under this permit after you have included appropriate controls and implementation procedures designed to ensure that your use of cationic treatment chemicals will not lead to a violation of water quality standards.

VII. Stormwater Pollution Prevention Plan (SWPPP) Information

Has the SWPPP been prepared in advance of filing this NOI? ☑ Yes ☐ No

SWPPP Contact Information:

First Name, Middle Initial, Last Name: Reinaldo Vincenty

Organization: Caribbean Management Group

Phone: 7873982874 Fax (Optional):

E-mail: rvincenty.60@gmail.com

VIII. Endangered Species Protection

Using the instructions in Appendix D of the CGP, under which criterion listed in Appendix D are you eligible for coverage under this permit (only check 1 box)?

☑ A ☐ B ☐ C ☐ D ☐ E ☐ F

Provide a brief summary of the basis for criterion selection listed in Appendix D (e.g., communication with U.S. Fish and Wildlife Service or National Marine Fisheries Service, specific study):Communication with U.S. Fish and Wildlife Service

If you select criterion B, provide the Tracking Number from the other operator's notification of authorization under this permit:

If you select criterion C, you must attach a copy of your site map (see Part 7.2.6 of the permit), and you must answer the following questions:

What federally-listed species or federally-designated critical habitat are located in your "action area":

What is the distance between your site and the listed species or critical habitat (miles):

If you select criterion D, E, or F, attach copies of any letters or other communications between you and the U.S. Fish and Wildlife Service or National Marine Fisheries Service.

IX. Historic Preservation

Are you installing any stormwater controls as described in Appendix E that require subsurface earth disturbance? (Appendix E, Step 1) ☑ Yes ☐ No

If yes, have prior surveys or evaluations conducted on the site have already determined historic properties do not exist, or that prior disturbances have precluded the existence of historic properties? (Appendix E, Step 2) ☑ Yes ☐ No

If no, have you determined that your installation of subsurface earth-disturbing stormwater controls will have no effect on historic properties? (Appendix E, Step 3) ☐ Yes ☐ No

If no, did the SHPO, THPO, or other tribal representative (whichever applies) respond to you within the 15 calendar days to indicate whether the subsurface earth disturbances caused by the installation of stormwater controls affect historic properties? (Appendix E, Step 4) ☐ Yes ☐ No

If yes, describe the nature of their response:

☐	Written indication that adverse effects to historic properties from the installation of stormwater controls can be mitigated by agreed upon actions.
☐	No agreement has been reached regarding measures to mitigate effects to historic properties from the installation of stormwater controls.
☐	Other:

X. Certification Information

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

First Name, Middle Initial, Last Name: Reinaldo Vincenty

Title:

Signature:

Date: Thursday, August 15, 2013

E-mail: rvincenty.60@gmail.com

Appendix E

Appendix F

Appendix F – SWPPP Corrective Action Log

Project Name: *Cristopher Colombus Landing Access Street*
SWPPP Contact: *Eng. José de Jesús Vázquez*

Inspection Date (mm/dd/yy)	Inspector Name(s)	Description of BMP Deficiency	Corrective Action Needed (including planned date/responsible person)	Date Action Taken/Responsible person

Appendix G

Appendix G –SWPPP Amendment Log

Project Name: *Cristopher Colombus Landing Access Street*
SWPPP Contact: *Eng. José de Jesús Vázquez*

Amendment No.	Description of the Amendment	Date of Amendment (mm/dd/yy)	Amendment Prepared by [Name(s) and Title]

Appendix H

Appendix H – Subcontractor Certifications/Agreements

SUBCONTRACTOR CERTIFICATION
STORMWATER POLLUTION PREVENTION PLAN

Project Number: _____

Project Title: Cristopher Colombus Landing Acess Street (Permiso de Urbanizacion) Aguadilla P.R.___

Operator(s): **Caribbean Management Group**

As a subcontractor, you are required to comply with the Stormwater Pollution Prevention Plan (SWPPP) for any work that you perform on-site. Any person or group who violates any condition of the SWPPP may be subject to substantial penalties or loss of contract. You are encouraged to advise each of your employees working on this project of the requirements of the SWPPP. A copy of the SWPPP is available for your review at the office trailer.

Each subcontractor engaged in activities at the construction site that could impact stormwater must be identified and sign the following certification statement:

I certify under the penalty of law that I have read and understand the terms and conditions of the SWPPP for the above designated project and agree to follow the BMPs and practices described in the SWPPP.

This certification is hereby signed in reference to the above named project:

Company: _____

Address: _____

Telephone Number: _____

Type of construction service to be provided: _____

_____

_____

Signature: _____

Title: _____

Date: _____

Appendix I

Appendix I – Grading and Stabilization Activities Log

Project Name: *Cristopher Colombus Landing Access Street*
SWPPP Contact: *Eng. José de Jesús Vázquez*

Date Grading Activity Initiated	Description of Grading Activity	Date Grading Activity Ceased (Indicate Temporary or Permanent)	Date When Stabilization Measures are Initiated	Description of Stabilization Measure and Location

Appendix J

Appendix J – SWPPP Training Log

Stormwater Pollution Prevention Training Log

Project Name: Cristopher Colombus Landing Acess Street

Project Location: ***Aguadilla , PR***

Instructor's Name(s):

Instructor's Title(s):

Course Location: _____ Date: _____

Course Length (hours): _____

Stormwater Training Topic: *(check as appropriate)*

- ❑ **Erosion Control BMPs**
- ❑ **Emergency Procedures**
- ❑ **Sediment Control BMPs**
- ❑ **Good Housekeeping BMPs**
- ❑ **Non-Stormwater BMPs**

Specific Training Objective:_____

_____

Attendee Roster: *(attach additional pages as necessary)*

No.	Name of Attendee	Company
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

Appendix K

Appendix K –Delegation of Authority Form

Delegation of Authority

I, Eng. **Reinaldo Vincenty**, hereby designate the person or specifically described position below to be a duly authorized representative for the purpose of overseeing compliance with environmental requirements, including the Construction General Permit, at the Cristopher Colombus Landing Permiso de Urbanizacion Aguadilla P.R.construction site. The designee is authorized to sign any reports, stormwater pollution prevention plans and all other documents required by the permit.

Eng. José de Jesús Vázquez, Resident Inspector (name of person or position)
Eng. José de Jesús Vázquez (company)
Calle Dr. Cueto # 87 (address)
Utuado P.R. 00641 (city, state, zip)
(787) 201-4530 (phone)

By signing this authorization, I confirm that I meet the requirements to make such a designation as set forth in Appendix G, Subsection 11.A of EPA's Construction General Permit (CGP), and that the designee above meets the definition of a "duly authorized representative" as set forth in Appendix G, Subsection 11.B (1-3).

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name: Mr. Reinaldo Vincenty

Company: Caribbean Management Group

Title: President

Signature: _____

Date: July 16, 2013

Appendix L

Attachment H

Mildred Guzman

From: Reinaldo Vincenty <rvincenty.cmg@gmail.com>
Sent: Thursday, June 29, 2017 2:20 PM
To: Cesar Vincenty; Mildred Guzman; Ing Joe De Jesus
Subject: Fwd: Christopher Columbus Landing Project

Sent from my iPhone

Begin forwarded message:

From: "Rivera, Jose" <Rivera.Jose@epa.gov>
Date: June 29, 2017 at 1:10:37 PM AST
To: "rvincenty.cmg@gmail.com" <rvincenty.cmg@gmail.com>
Cc: "Lopez, Jaime" <Lopez.Jaime@epa.gov>
Subject: Christopher Columbus Landing Project

Dear Mr. Vincenty,

I am writing to follow-up to our face-to-face meeting today (Thursday, June 29, 2017) at the EPA office in Guaynabo. Our conversation was primarily focus on the status of Caribbean Management Group, Inc.'s (CMG) response to the request for information that EPA issued to CMG on March 24, 2017. As you confirmed, CMS has not sent the information to EPA, as of today. However, you indicated that CMS will be providing the information by tomorrow (Friday, June 30th, 2017).

We also discussed the requirements of the 2013 and 2017 NPDES General Permits for Stormwater Discharges from Construction Sites (CGPs), and in particular, the eligibility requirements concerning the Endangered Species Act (ESA), including Appendix D. Further, we discussed the Notice of Intent (NOI) requirements under the CGPs, including the documentation required to demonstrate eligibility under the CGP's ESA requirements. I was able to provide you with compliance assistance to that end.

In regards to filing an electronic NOI for coverage under the 2017 CGP, you may contact the EPA Regional Stormwater Coordinator, engineer Sergio Bosques of my team, with any questions you may have. He can be reached at (787) 977-5838, or at bosques.sergio@epa.gov.

Please be advised that CMS's failure to submit to EPA the information requested may result in a compliance action under Section 309 of the Clean Water Act. We urge your prompt attention to the request for information, and please contact

Mr. López should you have any questions concerning the request for information at (787) 977-5851, or at lopez.jaime@epa.gov.

Cordially,

José A. Rivera, BSCE | Lead Environmental Engineer
Clean Water Act Team
Multimedia Permits and Compliance Branch
Direct Dial: (787) 977-5842
e-mail: rivera.jose@epa.gov

US EPA Region 2 | Caribbean Environmental Protection Division
City View Plaza II | Suite 7000
48 RD. 165, Km. 1.2
Guaynabo, Puerto Rico 00968-8069

Day Off: Every Monday
EPA Office Hours: 6:30 am to 5:00 pm (Tuesday to Friday)

PLEASE NOTE: This message, including any attachments, may include privileged, confidential and/or inside government information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.

From: helpdesk@epacdx.net
Date: June 21, 2017 at 5:59:04 PM AST
To: rvincenty.60@gmail.com
Subject: CDX Account Password Reset - Attempt 1

There have been 1 unsuccessful password reset attempt(s) on your EPA Central Data Exchange account.
To prevent unauthorized use of your account, we will lock out your ability to utilize the password reset feature on CDX when there have been 6 attempts.
If you need assistance, please contact the Help Desk at 888-890-1995.

From: helpdesk@epacdx.net
Date: June 21, 2017 at 5:59:21 PM AST
To: rvincenty.60@gmail.com
Subject: CDX Account Password Reset - Attempt 2

There have been 2 unsuccessful password reset attempt(s) on your EPA Central Data Exchange account.
To prevent unauthorized use of your account, we will lock out your ability to utilize the password reset feature on CDX when there have been 6 attempts.
If you need assistance, please contact the Help Desk at 888-890-1995.

From: helpdesk@epacdx.net
Date: June 21, 2017 at 5:59:50 PM AST
To: rvincenty.60@gmail.com
Subject: CDX Account Password Reset - Attempt 3

There have been 3 unsuccessful password reset attempt(s) on your EPA Central Data Exchange account.
To prevent unauthorized use of your account, we will lock out your ability to utilize the password reset feature on CDX when there have been 6 attempts.
If you need assistance, please contact the Help Desk at 888-890-1995.

From: helpdesk@epacdx.net
Date: June 21, 2017 at 6:08:53 PM AST
To: rvincenty.60@gmail.com
Subject: CDX Account Password Reset - Attempt 4

There have been 4 unsuccessful password reset attempt(s) on your EPA Central Data Exchange account.
To prevent unauthorized use of your account, we will lock out your ability to utilize the password reset feature on CDX when there have been 6 attempts.
If you need assistance, please contact the Help Desk at 888-890-1995.

From: helpdesk@epacdx.net
Date: June 21, 2017 at 6:09:15 PM AST
To: rvincenty.60@gmail.com
Subject: CDX Account Password Reset - Attempt 5

There have been 5 unsuccessful password reset attempt(s) on your EPA Central Data Exchange account.
To prevent unauthorized use of your account, we will lock out your ability to utilize the password reset feature on CDX when there have been 6 attempts.
If you need assistance, please contact the Help Desk at 888-890-1995.

From: helpdesk@epacdx.net
Date: June 21, 2017 at 6:09:34 PM AST
To: rvincenty.60@gmail.com
Subject: CDX Account Password Reset - Final Attempt

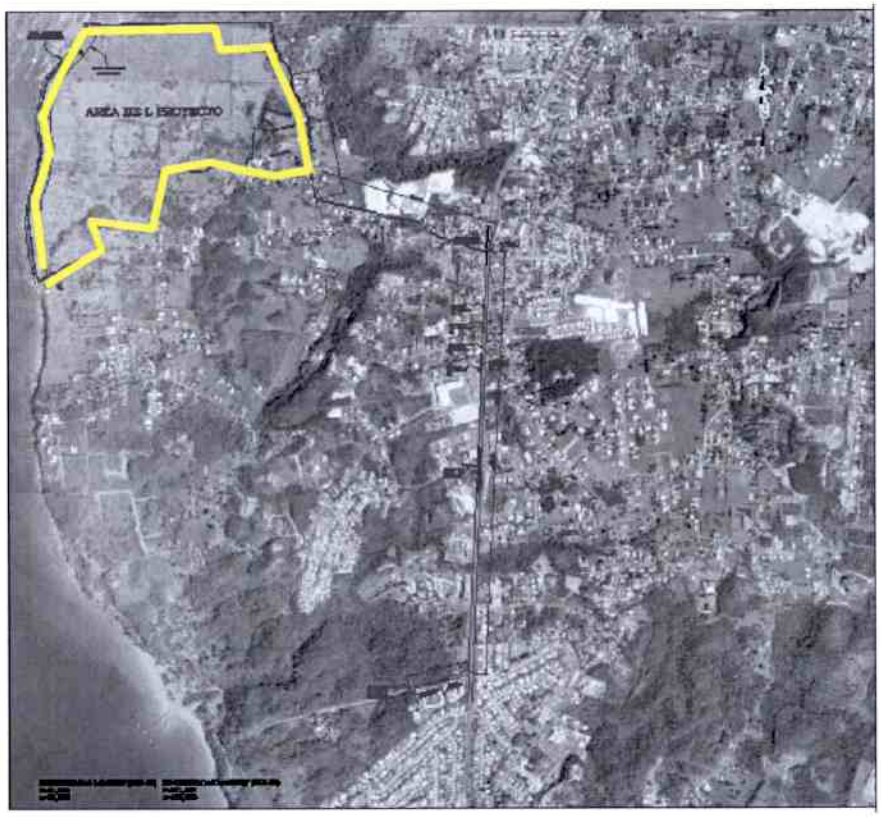
There have been 6 unsuccessful password reset attempts on your EPA Central Data Exchange account.

To prevent unauthorized use of your account, we have locked out your ability to utilize the password reset feature on CDX. To reset your password, please contact the Help Desk at 888-890-1995.

Attachment I

STORMWATER POLLUTION PREVENTION PLAN (SWPPP)
For:
URBANIZATION PERMITS (ACCESS STREET) AT CHRISTOPHER COLUMBUS LANDING DEVELOPMENT AGUADILLA P.R.

STATE ROAD PR-107, KM. 2.2 (INTERIOR)
SECTOR PLAYUELA
Borinquen Ward, Aguadilla P.R.



SWPPP PREPARATION DATE:
JULY 16 2013 (Revised June 19, 2017)

Ing. José J. de Jesús Vázquez
Isla 9193
Calle Pr. Cueto 567 Altos
Utuado, PR 00641
Tel 787-201-2330
Email ingjjjn@hotmail.com

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Appendix I – Grading and Stabilization Activities Log
Appendix J – Training Log
Appendix K – Delegation of Authority
Appendix L – Additional Information (i.e, Endangered Species and Historic Preservation Documentation)

SECTION 1: SITE EVALUATION, ASSESSMENT, AND PLANNING

1.1 Project/Site Information

Project/Site Name: Cristopher Colombus Landing

Project Street/Location: State Road PR-107, Km. 2.2, (interior) Borinquen Ward

City: Aguadilla State: PR ZIP Code: 00605

County or Similar Subdivision: _____

Latitude/Longitude

Latitude: 18 ° 28' 46" N (degrees, minutes, seconds)

Longitude: -67 °09' 56" W (degrees, minutes, seconds)

Method for determining latitude/longitude:

☒ USGS topographic map (specify scale: 1:20000) ☐ EPA Web site ☐ GPS

☐ Other (please specify): _____

Is the project located in Indian country? ☐ Yes ☒ No

If yes, name of Reservation, or if not part of a Reservation, indicate "not applicable."_____

Is this project considered a federal facility? ☐ Yes ☒ No

NPDES project or permit tracking number*: 2012 CGP: PRR12A438

2017 CGP: TO BE DETERMINED

**(This is the unique identifying number assigned to your project by your permitting authority after you have applied for coverage under the appropriate National Pollutant Discharge Elimination System (NPDES) construction general permit.)*

1.2 Contact Information/Responsible Parties

Operator(s):

Owner:
Company Name: **Caribbean Management Group**
Company Representative: **Mr. Reinaldo Vincenty**
Address: **Calle Urpila 321 Urb. Villa Toledo Arecibo P.R. 00612**
Phone Number: **(787) 398-2874**
Fax Number: **(787) 650-5821**
Email: **rvincenty.cmg@gmail.com**

Contractor:
Company Name: **Caribbean Management Group**
Company Representative: **Mr. Reinaldo Vincenty, President**
Physical Address: **Calle Urpila 321 Urb. Villa Toledo Arecibo P.R. 00612**
Postal Address: **Calle Urpila 321 Urb. Villa Toledo Arecibo P.R. 00612**
Phone Number: **(787) 398-2874**
Fax Number: **(787) 650-5821**
Email: **rvincenty.cmg@gmail.com**

Project Manager(s) or Site Inspection(s):

Company Name: **Eng. Jose J. de Jesus Vazquez**
Company Representative: **Eng. Jose J. de Jesus Vazquez Resident Inspector**
Address: **Calle Dr. Cueto # 87 Utuado P.R. 00641**
Phone Number: **(787) 201-4530**
Fax Number: **(787) 894-3100**
Email: **ingjjjn@hotmail.com**

SWPPP Contact(s):

Company Name: **Eng. Jose J. de Jesus Vazquez**
Company Representative: **Eng. Jose J. de Jesus Vazquez Resident Inspector**
Address: **Calle Dr. Cueto # 87 Utuado P.R. 00641**
Phone Number: **(787) 201-4530**
Fax Number: **(787) 894-3100**
Email: **ingjjjn@hotmail.com**

Emergency 24-Hour Contact:
Company Name : **Caribbean Management Group**
Company Representative: **Mr. Reinaldo Vincenty, President**
Physical Address: : **Calle Urpila 321 Urb. Villa Toledo Arecibo P.R. 00612**
Postal Address: **Calle Urpila 321 Urb. Villa Toledo Arecibo P.R. 00612**
Phone Number: **(787) 398-2874**
Fax Number: **(787) 650-5821**

This SWPPP was Prepared by:

Company Name: **Eng. Jose de Jesus Vazquez**
Company Representative : **Eng. José de Jesús Vázquez**
Address: **PO Box 1959 Utuado , PR, 00641**
Phone Number: **(787) 201-4530**
Fax Number: **(787) 894-3100**
Email: **ingjjjn@hotmail.com**

1.3 Nature and Sequence of Construction Activity

Caribbean Management Group plans develop a commercial, residential and touristic project in Aguadilla PR. The project will be located in Carr 107 Km 2.2 (interior) of the Playuela sector, in the Borinquen Ward of said town. The project will encompass a total area of approximately 80 acres. For the current phase, only 5 acres will be impacted.

The first phase of the project will consist in the construction of the street portion that will serve as access to the areas that will be developed in the future. The construction has been approved by an urbanization permit by OGPE # PO13-00-00116. The design of this first phase took into consideration the natural terrain slopes present at the site. Thus, a minimum amount of earth material will be extracted, which will in turn be used to prepare the vegetated areas that will embellish the street. For such reason, there shall be no deposit of material from outside of the construction site.

During this phase, *bioswales* will be created to absorb the surface runoff water that may overflow from the project. Also, silt fences, together with hay bales, will be placed around the perimeter of the area under construction. This combination will effectively reduce and control erosion and sedimentation during this phase. A water-spray system will be used to control the dust particles that may enter the air as the construction takes place. Additionally, a moving truck will provide similar services to every area in the site that may generate dust particles. Furthermore, a tire-wash station will be installed, so that the dirt or otherwise undesired particles may be contained within the work site, and not be transported outside the project's boundaries. The contractors will acquire the services of a private company to dispose of all the non-hazardous waste produced during construction.

Reforestation is a major concern in the area. To this end, a permit (Autorización de Corte, Poda, Trasplante y Siembra de Arboles, 2016-128746-ACP-000502) was obtained for which a Vegetation Planting Plan has been developed. The Plan will be followed throughout all phases of the project.

To ensure the area's stability, the area's topography will be practically undisturbed, while using the area's natural slope. Nevertheless, if a gradient change does occur, the land will be compacted in such manner to be able to guarantee proper stability. Afterwards, the affected areas will be also covered by grass which will further aid the stabilization process.

The information contained herein exposes the measures that will be taken during the first phase of our project. These measures satisfy the rules and regulations set forth by overseeing agencies.

What is the function of the construction activity?

☐ Residential ☐ Commercial ☐ Industrial ☒ Road Construction ☐ Linear Utility

☐ Other (please specify):

Estimated Project Start Date: October 29, 2013

Revised Project Start Date: October 31, 2016

Revised Project Completion Date: Sept 27, 2019

The following table summarizes the construction activities to be performed:

Table 1 Timeline of Activity

Estimated Timeline	Description of Construction Activity or BMP Description
August 4, 2017– Sept 4, 2017	1) Install perimeter silt fences
August 4, 2017– Sept 4, 2017	2) Construct stabilized construction access
August 4, 2017– Sept 4, 2017	3) Install straw bales on perimeter and on runoff flow areas
August 4, 2017– Sept 4, 2017	4) Install temporary sanitary facilities
Sept 4, 2017- Sept 18, 2017	1) Begin clearing and grubbing preparations
Sept 4, 2017- Sept 18, 2017	1) Prepare area for top soil stockpiling
Sept 25, 2017- Oct 16, 2017	2) Begin clearing and grubbing
Oct 16, 2017 – Nov 6, 2017	1) Begin cut/ fill operations
Nov 6, 2017 – Aug 30, 2018	1) Continue cut / fill operations
Sept 4, 2017 – Feb 13, 2018	1) Prepare pavement sub-grade
Feb 13, 2018 – July 31, 2019	1) Pavement Finish

Estimated Timeline	Description of Construction Activity or BMP Description
Aug 1, 2019 – Sept 27, 2019	1) Remove temporary BMP's controls
Aug 1, 2019 – Sept 27, 2019	2) Prepare final seeding and landscaping
Aug 1, 2019 – Sept 27, 2019	3) Monitor stabilized areas until final stabilization is reached

1.4 Soils, Slopes, Vegetation, and Current Drainage Patterns

Soil type(s)

The soil can be classified as beach and sand deposits mainly sandy and silty clays, yellowish-brown color, with depths up to 5 feet with particular strength and granulometric composition. This soil is underlain by completely to severely weathered limestone material, very dense, pale yellow color with rock fragments. From the Natural Resources Conservation Service Web soil survey, the soils are identified as Maleza fine sandy loam and Jobos sandy loam.

Topography and Grading:

The existing topographic characteristics show that the parcel is mostly a flat coastal terrain with elevations between 0 to 15 meters M.S.L. with slopes between 1% and 5%. The proposed development is contemplated on this area.

On the South side of the parcel there is a steeper portion with elevations between 8 to 16 meters M.S.L. No development is contemplated on the remaining steepest areas.

On the area were the access is going to be developed, based on the proposed grading plans, no major cut & fill operations will be performed. The proposed elevations and slopes will remain as close to the existing surface as possible.

Drainage Patterns:

Currently all of the parcel surface runoff flow on the natural slopes and discharges freely to the West, lower portion of the land parcel, up to the Atlantic Ocean.

Vegetation:

The area to be developed is mainly covered with grasses and weeds, and a few trees and palm trees. The remaining areas of the parcel area more vegetated with grasses, bushes and trees. The existing surface vegetation will be stripped and palms trees will be removed only on the areas being developed. New vegetation will be established on the developed area after earthwork operations are finished and as per the re-vegetation plan established with the permits.

1.5 Construction Site Estimates

The following are estimates of the construction site:

Total site area:	80 acres
Construction site area to be disturbed:	5 acres
Impervious area before construction:	0 acres
Percentage impervious area before construction:	0%
Impervious area after construction:	5 acres
Percentage impervious area after construction:	6.25%
Runoff coefficient before construction:	0.20
Runoff coefficient after construction:	0.70

1.6 Receiving Waters

Description of receiving waters:
The receiving water body is the Atlantic Ocean.

Description of storm sewer systems:
There is no storm sewer system on the existing site. For the access road development no new storm sewer system is proposed. A surface runoff system consisting of "bioswales" will be established along the proposed access road.

1.7 Site Features and Sensitive Areas to be Protected

Description of unique features that are to be preserved:
Existing native trees on the not disturbed areas must be preserved. The coast line with the Atlantic Ocean shall also be preserved and undisturbed. Also an existing sinkhole on the parcel shall also be protected.

Describe measures to protect these features:
In order to prevent any harmful conditions, soil erosion control measures will be implemented in order to prevent the transportation of sediments into the water body or the sinkhole.

All the natural surface runoff will be diverted to "bio-swales" in order to settle all the suspended solids or sediments from the disturbed areas.

Existing trees to remain will be protected with temporary fences or earth berms, to prevent being disturbed by heavy construction equipment.

1.8 Potential Sources of Pollution

Potential sources of sediment to stormwater runoff:
The identified sources of sediment are:

- Exposed earth surface after the vegetation stripping
- During the grading fill material deposit

- Vehicular traffic on earthwork areas
- During landscape operations

Potential pollutants and sources, other than sediment, to stormwater runoff:

Other identified sources of pollutants are:

- Oil, grease, gasoline, diesel, or kerosene from discharged from construction machinery from normal daily operations.
- Temporary sanitary facilities
- Concrete pouring residuals
- Construction material residuals (plastic, foam, wood, asphalt and paper)
- Paint, solvents
- Pesticides from landscaping activities

More detailed information on the table below:

Potential pollutants and sources table

Trade Name Material	Stormwater Pollutants	Location
Motor Oil	Oil, Grease	Leaking from machinery or equipment
Sanitary facilities	Coliforms, bacteria	Temporary sanitary toilets
Concrete	Limestone, sand, gravel	On street areas
Pesticide	Organic compounds, hydrocarbons	On Landscape areas
Gasoline, diesel, kerosene	Petroleum distillates	Leaking from machinery or equipment
Asphalt	Petroleum distillates	On street area
Paint, Solvents	Volatile Organic Compounds	On street area

1.9 Endangered Species Certification

Are endangered or threatened species and critical habitats on or near the project area?

☒ Yes ☐ No

Describe how this determination was made:

No endangered or threatened species and critical habitats have been identified during the planning phase of the project (1994). However, consultations with the United States Department of the Interior Fish & Wildlife Service (FWS) indicate the possible presence of endangered or threatened species in the area. Furthermore, the FWS's on-line mapping tool IPaC was consulted to obtain a listing of species. See Appendix L for further information.

If yes, describe the species and/or critical habitat:

The FWS identified that the project is within the range of the endangered Puerto Rican Boa (*epirates inornatus*). They indicated that vegetated areas supporting habitat for the boa on the Southeast shall not be developed. FWS also indicated that the shoreline is a habitat for the Hawksbill Sea Turtle (Eretmochelys imbricate), thus measures shall be taken to not affect their habitat.

As delineated in the document obtained from FWS, no critical habitats existing within the project area.

If yes, describe or refer to documentation that determines the likelihood of an impact on identified species and/or habitat and the steps taken to address that impact.

The contractor will perform a review of the area prior to removing the existing vegetation and beginning earthwork operations. The removal of forested areas will be minimized by constructing on the less vegetated areas. Also new tree species will be planted on site. No construction activities will be performed on the shoreline or on the Southeast portion of the parcel.

1.10 Historic Preservation

Are there any historic sites on or near the construction site?

☐ Yes ☒ No

Describe how this determination was made:

The project was submitted for the review of the State "Instituto de Cultura Puertorriqueña", which oversees the preservation of historic sites.

If yes, describe or refer to documentation that determines the likelihood of an impact on this historic site and the steps taken to address that impact.

N/A

1.11 Applicable Federal, Tribal, State or Local Programs

Other applicable federal, tribal, state or local soil and erosion control and stormwater management requirements that apply to the construction site.

The project is subject to regulations from the Puerto Rico Environmental Quality Board regarding, erosion control, solid waste management, air quality/ pollutants and to the "Oficina de Gerencia de Permisos" OGPE, for the Consolidated Permit incidental to construction.

1.12 Maps

See Appendix B – Site Maps:

- General Location Map

- Topographic Plan
- Grading Plan & Storm Sewer System Plan
- Planting Plan
- Erosion Control Plan

SECTION 2: EROSION AND SEDIMENT CONTROL BMPS

2.1 Minimize Disturbed Area and Protect Natural Features and Soil

Areas Affected
A total of 5 acres will be disturbed during this phase. The remaining acres that will not be affected will be protected to avoid any impact.

Existing Vegetation
The vegetation on both the disturbed and the disturbed areas is similar, composed of trees, brushes and grasses. The existing vegetation on the non-construction areas will remain unaffected.

The topsoil removed from the premises will be stockpiled on the same construction area. This topsoil will be kept confined on a specific designated area for its future use as topsoil on the finished project; any excess topsoil will be discarded from the project and transported to an authorized site.

BMP Description: Vegetation Protection
The preserved area will be separated from the construction zone by means of 3'-0" high silt fences and fences or concrete barriers that will impede the transit of construction heavy equipment.

Installation Schedule:	All the protection will be installed before the construction begins
Maintenance and Inspection:	The fences and protections will be inspected once a week to determine if any segment need replacement or improvements.
Responsible Staff:	Contractor

Topsoil

BMP Description:
The topsoil will be stripped and hauled into a designated area to be stockpiled. This stockpiled soil will be later used at the end of the construction phase for the proposed planting areas, or any excess discarded outside the project area. The slopes of the stockpiled soil will be maintained at 2H:1V. A silt fence will be installed around the perimeter of the stockpile.

Installation Schedule:	The topsoil will be stripped and hauled into at the beginning of the earthwork operations, during the clearing and grubbing phase. The silt fence protection will be installed immediately after the stockpile has been established.
Maintenance and Inspection:	The stockpiles will be verified weekly and after storm events in order to accommodate any soil displacements that affect the slopes stability. Also the silt fence on the perimeter will be replaced every 60 days. All fences and protections will be inspected once a week to determine if any segment need replacement or improvements.
Responsible Staff:	Contractor

2.2 Phase Construction Activity

The total project will be constructed in various phases. The first phase under consideration for this SWPPP, will consist in the construction of the main access street.

The works to be performed include:

- Clearing & Grubbing
- Top Soil Stockpiling
- Earthwork operations
- Access street construction
- Landscaping Activities

List of BMPs associated with this phase

In order to minimize potential sediment on runoff, the following BMP;s will be implemented:

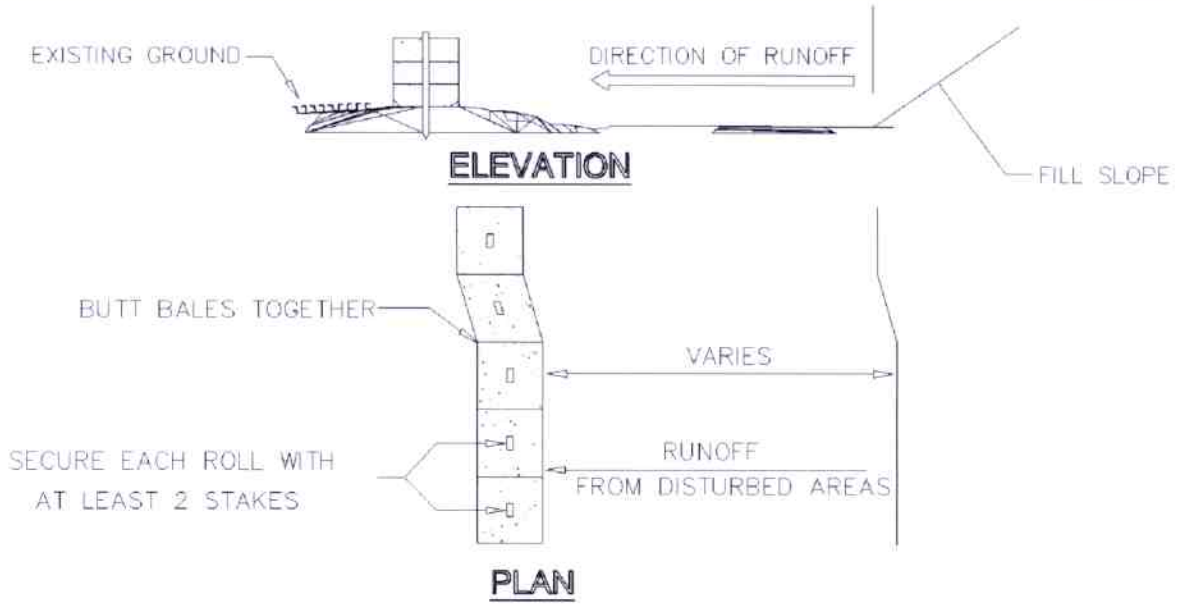
- Silt fence will be installed around the perimeter of the project's construction limit
- Straw bales will be installed along the projected runoff flow path
- Areas to be left undisturbed will be delimited with silt fence and fences
- Existing vegetation will be protected
- Construction of stabilized construction entrance with gravel
- After earthwork operation ends, stabilization methods that will be used:
  - Installation of grass sod on slopes
  - Landscaping installation (Grass and trees)

2.3 Control Stormwater Flowing onto and through the Project

***BMP Description*: Straw Bale Dike**

Straw bale dikes will be installed at toe of slopes or where needed in order to control and convey the runoff flowing through the project. This will dissipate water velocity and trap sediments. The dikes will be removed or adjusted after the installation of the storm sewer system.

***Installation Schedule*:**	Will be constructed during the second week of the construction process, and before earthwork operations begin
***Maintenance and Inspection*:**	Every two weeks, and after storm events, the dikes will be inspected. Excessive sediment and/or debris will be removed. Removed sediments will be hauled off-site for disposal.
***Responsible Staff*:**	Contractor



INSTALLATION OF A STRAW BALE BARRIER AT TOE OFF FILL

NOT TO SCALE

2.4 Stabilize Soils

BMP Description: Water Irrigation

A water truck will be used to dampen the unexposed soil areas where dust can be generated. Also access roads will be dampened.

☐ ***Permanent***	☒ ***Temporary***
Installation Schedule:	Water dampening will be applied every day during grading operations, on all access roads where earthwork equipment is passing by.
Maintenance and Inspection:	Every day as needed
Responsible Staff:	Contractor

Typical Water Truck

BMP Description: Grass & Tree Planting

Permanent stabilization will be done after finishing grading by means of the planting of new tree species and the sodding of grass on planting areas. New trees will be planted according to the planting plan approved by the Department of Natural and Environmental Resourcest.

☒ ***Permanent***	☐ ***Temporary***
Installation Schedule:	Begins a week after grading operations ends and will continue until the end of the construction activities.
Maintenance and Inspection:	Grass sodded areas and planted trees will be inspected weekly after their installation in order to prevent any dry areas, or inadequate growing. If areas are not growing, they will be reseeded and fertilized, and tress substituted. Permanent watering is expected during construction. After construction ends area will be monitored until final stabilization is reached.
Responsible Staff:	Contractor

2.5 Protect Slopes

BMP Description: Sodded Grass

Sodded grass will be installed on all major cut or fill slopes, that are prone to erosion due to runoff.

Installation Schedule:	The sodded grass will be installed once the slopes have reached final grade.
Maintenance and Inspection:	The sodded grass will be inspected after storm events to determine if any segment is deteriorated, and need to be replaced.
Responsible Staff:	Contractor

BMP Description: Trees Planting

Permanent stabilization will be done after finishing grading by means of the planting of new tree species. New trees will be planted according to a planting plan approved by the P.R. Natural Resources Department

Installation Schedule:	Begins a week after grading operations ends and will continue until the end of the construction activities.
Maintenance and Inspection:	Planted trees will be inspected weekly after their installation in order to prevent inadequate growing. If areas are not growing properly, they will be fertilized, and tress substituted. Permanent watering is expected during construction. After construction ends area will be monitored until final stabilization is reached.
Responsible Staff:	Contractor

2.6 Protect Storm Drain Inlets

BMP Description: Inlet protection with straw Bales

There is no existing or proposed storm drain system on this phase.

Installation Schedule:	N/A
Maintenance and Inspection:	N/A
Responsible Staff:	N/A

BMP Description: Inlet protection with silt fences

There is no existing or proposed storm drain system on this phase.

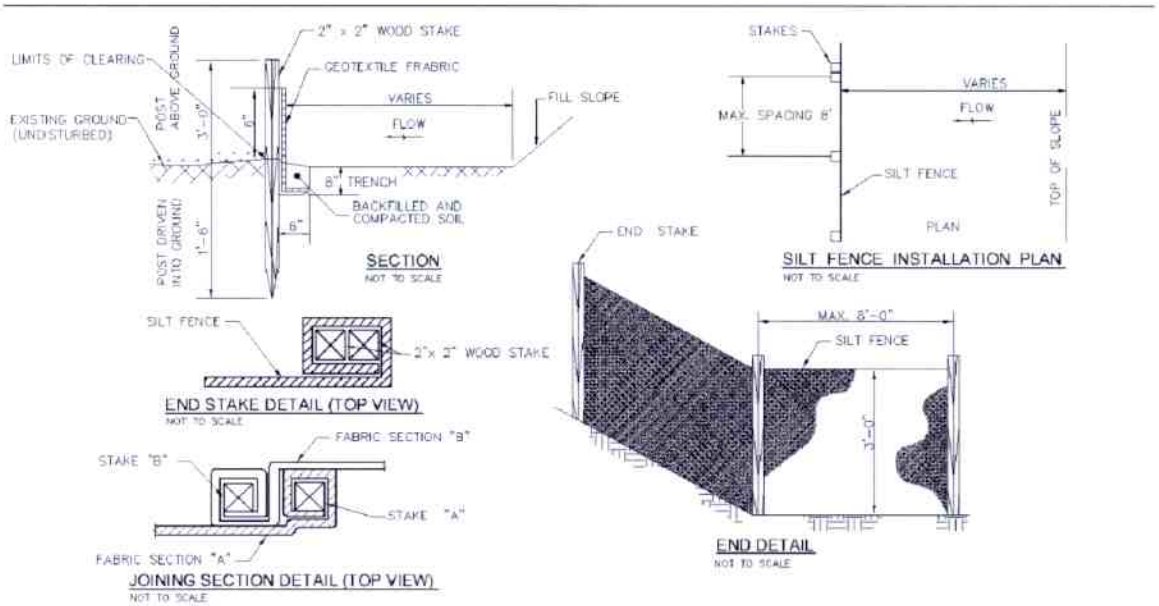
Installation Schedule:	N/A.
Maintenance and Inspection:	N/A
Responsible Staff:	N/A

2.7 Establish Perimeter Controls and Sediment Barriers

BMP Description: Silt Fence

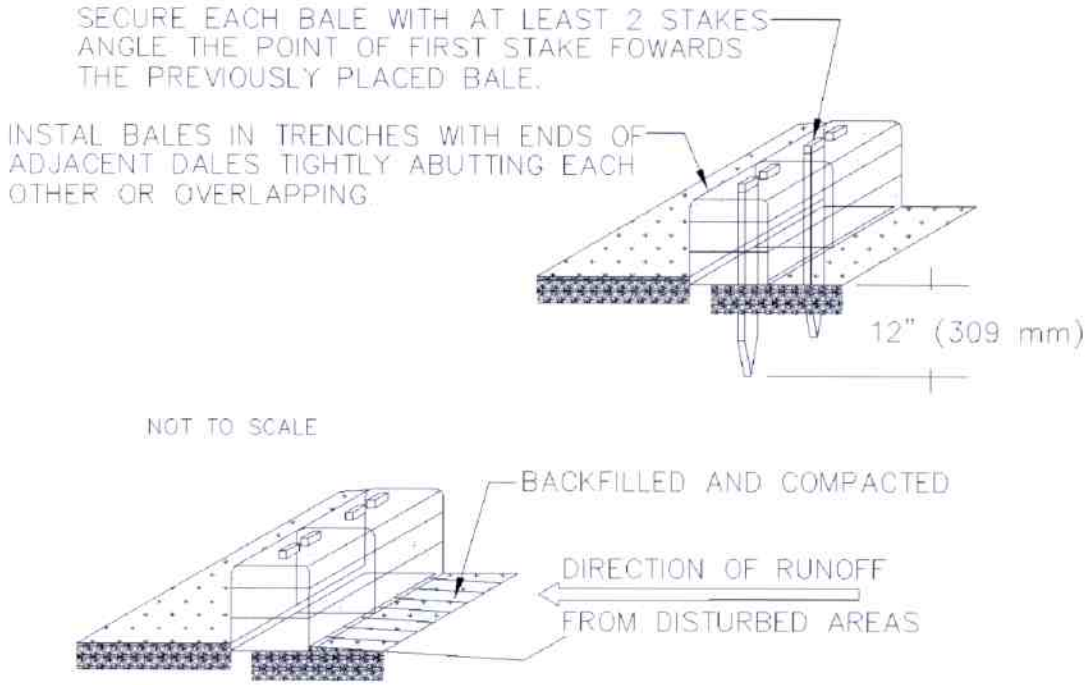
Silt fences will be installed around the perimeter of the construction site and around the topsoil stockpile. Silt fences will be installed by excavating a 12-inch deep trench along the line of the proposed installation. Wooden post supporting the silt fence will be spaced 4 to 6 feet apart and driven securely into the ground for 18 inches. The silt fence will be fastened to the posts. The bottom edge of the silt will extend across the bottom of the trench and the trench will be backfilled and compacted to prevent runoff discharge underneath the silt fence.

☐ ***Permanent***	☒ ***Temporary***
Installation Schedule:	The silt fences will be installed before construction begins at the site and around stockpiles.
Maintenance and Inspection:	Silt fences will be inspected weekly and after storm events to look for stability, tearing or open gaps. If gaps or tears re found, the fence will be repaired or replaced. Accumulated sediment from the fence base will be removed after it reaches one third of the fence height. Silt fences should be verified for possible replacement every six months.
Responsible Staff:	Contractor



Silt Fence Details

BMP Description: Straw Bales	
Straw bales will be installed on locations where runoff flows discharge swales are expected. The straw bales will be accommodated on excavated trenches 6 inches depth. The bales will be securely attached with 2 woods stakes per bale, embedded 12 inches into the ground.	
Installation Schedule:	The straw bales will be installed before construction begins at the site and around stockpiles.
Maintenance and Inspection:	Straw bales will be inspected weekly and after storm events. If gaps or torn are found, the bales will be repaired or replaced. Accumulated sediment from the bales will be removed after it reaches one third of the bales height. Bales should be verified for possible replacement every six months.
Responsible Staff:	Contractor



STRAW BALES INSTALLATION

NOT TO SCALE

2.8 Retain Sediment On-Site

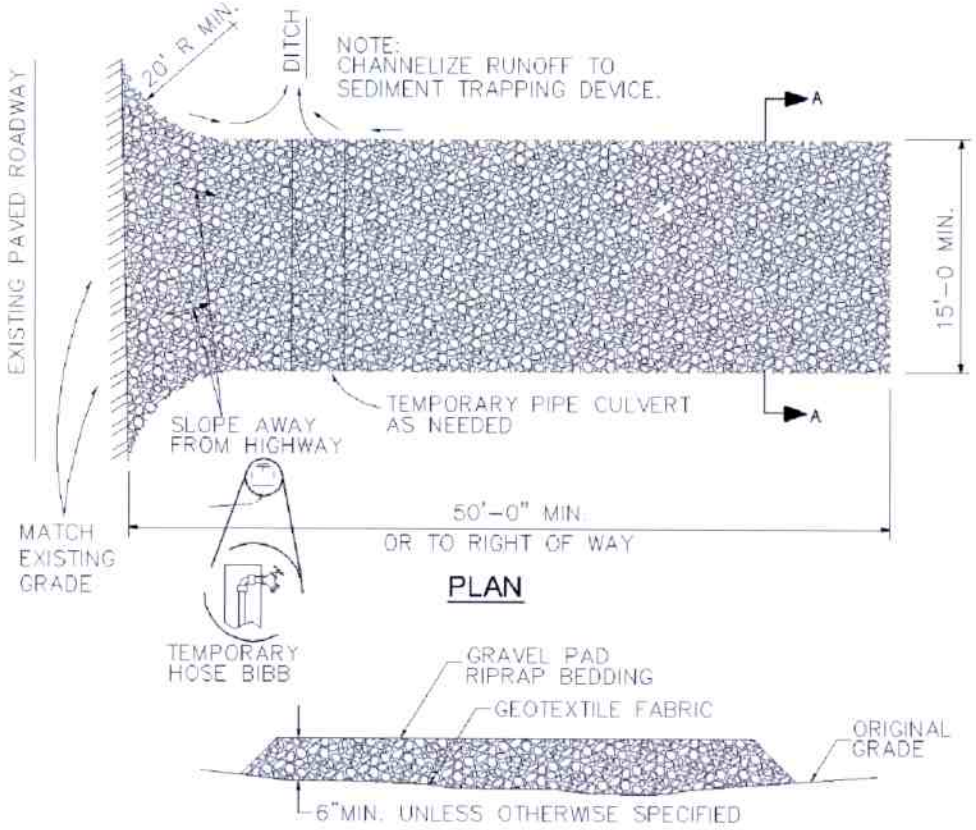
***BMP Description*: Detention Structure and Catch Basin**

There is no existing or proposed storm drain system on this phase.

***Installation Schedule*:**	N/A
***Maintenance and Inspection*:**	N/A
***Responsible Staff*:**	N/A

2.9 Establish Stabilized Construction Exits

BMP Description: Stabilized Construction Entrance *Gravel will be installed at the construction access in order to prevent sediment to be carried out of the project site by construction vehicles. The stabilized access will have a minimum length of 30 feet by 3 feet width and 6 inches deep.*	
Installation Schedule:	The stabilized access will be installed before construction begins.
Maintenance and Inspection:	The stabilized access will be inspected weekly and immediately after storm events. The access will be maintained in a condition that will prevent sediment tracking on to the adjacent streets. Once the sediment clogs the spaces between the gravel, the area will be topdressed with new crushed stone. Replacement of the entire pad might be necessary when the pad becomes completely filled with sediment.
Responsible Staff:	Contractor



GRAVEL CONSTRUCTION ENTRANCE

NOT TO SCALE

2.10 Additional BMPs

BMP Description: No additional BMP's are contemplated	
Installation Schedule:	N/A
Maintenance and Inspection:	N/A
Responsible Staff:	N/A

SECTION 3: GOOD HOUSEKEEPING BMPS

3.1 Material Handling and Waste Management

BMP Description: Waste Material Handling

All domestic and construction debris waste will be collected on-site in a trash metal container. This container will be placed in a secure and distant location from storm sewer systems. All containers will have a secure lid and comply with local regulations. All waste will be collected and transported to an authorized landfill, with an authorized private transportation company.

Installation Schedule:	The waste container will be installed at the beginning of the construction process ad will remain until the project completion.
Maintenance and Inspection:	The container will be inspected for leaks and emptied weekly. The waste will be transported to an authorized landfill by a private transport company to be selected. If the waste exceeds the capacity of the container, the container will be emptied more frequently.
Responsible Staff:	Contractor

BMP Description: Hazardous Waste

All hazardous waste materials such as paint, oil and petroleum products and maintenance fluids will be stored inside a sealed container and segregated from non-hazardous waste. Spill pallets will be installed. All hazardous waste will be disposed according to local and federal regulations.

Installation Schedule:	At the beginning of the construction process, a separate container will be installed and proper signage included.
Maintenance and Inspection:	The container will be inspected for leaks and emptied weekly. The waste will be transported to an authorized landfill by a private transport company to be selected. If the waste exceeds the capacity of the container, the container will be emptied more frequently. Cleanup supplies and emergency contact numbers will be maintained at the project's office trailer.
Responsible Staff:	Contractor

BMP Description: Sanitary Waste

Two temporary sanitary facilities (portable toilets) will be provided at the construction site. The toilets will be away from a stormwater runoff flow path and traffic flow.

Installation Schedule:	*The portable toilets will be installed at the beginning of the construction process*
Maintenance and Inspection:	*All sanitary waste will be collected from the portable toilets two times a week. The toilets will be inspected daily for leaks. Leaking toilets will be removed and replaced.*
Responsible Staff:	Contractor

BMP Description: Waste Recycling

Recyclable construction items will be disposed on a designated container. Recyclable articles will include cardboard, plastic, aluminum and wood pallets. This container will be placed in a secure and distant location from storm sewer systems. All containers will have a secure lid and comply with local regulations. All waste will be collected and transported to an authorized recycling center, with an authorized private transportation company.

Installation Schedule:	The waste containers will be installed at the beginning of the construction process ad will remain until the project completion.
Maintenance and Inspection:	The container will be inspected for leaks and emptied weekly. The waste will be transported to an authorized landfill by a private transport company to be selected. If the waste exceeds the capacity of the container, the container will be emptied more frequently.
Responsible Staff:	Contractor

3.2 Establish Proper Building Material Staging Areas

BMP Description: Material Storage

Construction materials and equipment will be stored inside the project's limit. This area will have sealed and locked shipping steel containers for the storage of small materials, and tools. On this area, all other materials such as reinforcing steel, wood, and pipes will be kept on the open on designated areas, and separated from any water body. Large items will be elevated on wood or concrete blocks to minimize contact with runoff. Also a silt fence will be installed on the perimeter.

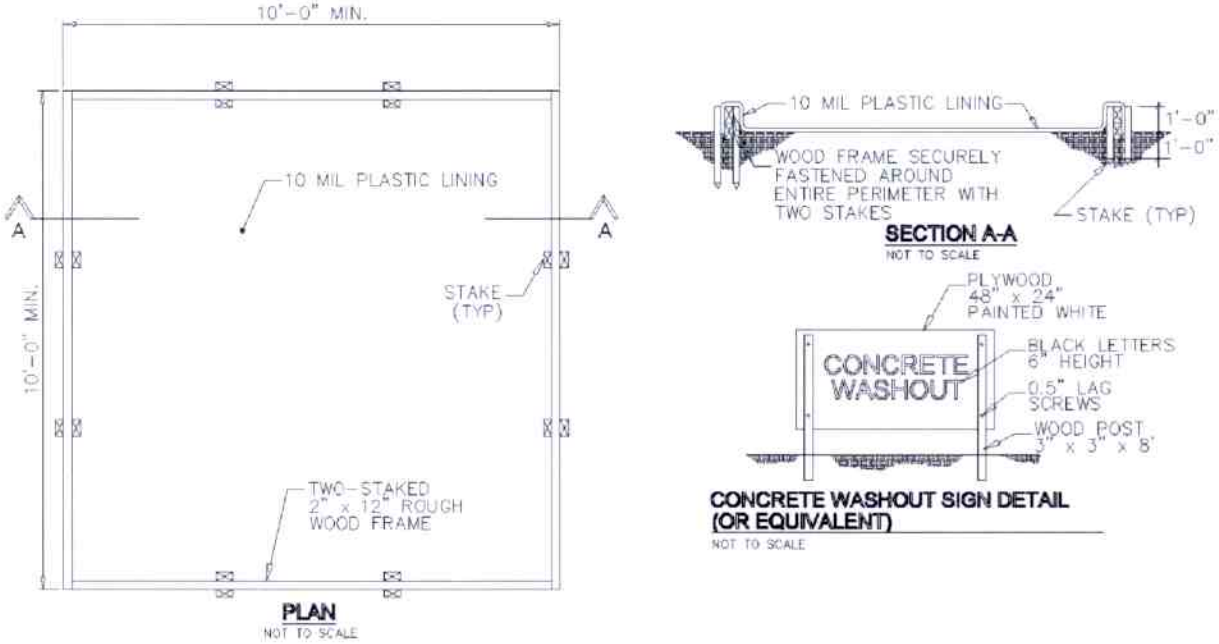
Installation Schedule:	The material storage area will be installed before construction begins.
Maintenance and Inspection:	Materials storage areas will be inspected weekly and after storm events. Storage areas will be kept clean and organized. Container structures and silt fences will be repaired or replaced as needed.
Responsible Staff:	Contractor

3.3 Designate Washout Areas

BMP Description: Concrete Washout

Temporary concrete washout areas will be installed next to the buildings construction areas. The washout area will consist of a 10' x 10' wood frame 1'-0" above grade, with an attached 10 mil. plastic liner. A 4' x 2' painted plywood sign indicating the washout area will be installed. All excess concrete from the concrete mixers and chutes will be discharged to the washout area. The hardened concrete will be removed with the plastic liners and disposed properly. During storm events no concrete pouring is expected. If a storm event occurs during a pouring, another plastic liner will be installed to cover any exposed concrete on the washout area.

Installation Schedule:	The concrete washout areas will be installed before the concrete pouring activities begin.
Maintenance and Inspection:	The washout areas will be inspected after each concrete pouring to ensure no leaks and tears are present and to identify when concrete wastes need to be removed. When the concrete holding capacity has been reached, the hardened concrete will be broken up and removed with the liner to be taken to an approved container for disposal.
Responsible Staff:	Contractor



Concrete Truck Washout Area

3.4 Establish Proper Equipment/Vehicle Fueling and Maintenance Practices

BMP Description: Equipment maintenance

Heavy construction equipment will be used in-site throughout the project. Equipment will include but it is not limited to: Dozers, dump trucks, loaders, excavators, cranes, rollers, backhoes, trailers. All major equipment and vehicle fueling and maintenance will be performed off-site. When vehicle fueling or maintenance must be done on-site, those activities will be performed on the storage material and staging area, outside of the project's limit. All equipments fluids or parts removed will be disposed on appropriate spill proof containers to be disposed properly. Spill clean-up materials will be available on-site.

Installation Schedule:	Equipment and vehicles maintenance and fueling operations will be implemented at the beginning of construction.
Maintenance and Inspection:	Vehicles and vehicle storage areas will be inspected daily before any construction activity begins. If any leaks are detected, the vehicle or equipment will be removed from the project site and repaired off–site. Any used cleanup materials will be disposed properly.
Responsible Staff:	Contractor

3.5 Control Equipment/Vehicle Washing

BMP Description: Vehicles Tire Washing

Vehicles that transport materials off-site will be subjected to tire washing before leaving the project's area. By using the stabilized construction access as described in section 2.9, the tires will be washed with high pressure hose, and all sediments or dirt on the vehicles tires will be deposited on the gravel pad. The gravel pad will be maintained clean as specified on section 2.9.

Installation Schedule:	At the beginning of construction
Maintenance and Inspection:	The stabilized access will be inspected weekly and immediately after storm events. The access will be maintained in a condition that will prevent sediment tracking on to the adjacent streets. Once the sediment clogs the spaces between the gravel, the area will be topdressed with new crushed stone. Replacement of the entire pad might be necessary when the pad becomes completely filled with sediment.
Responsible Staff:	Contractor

3.6 Spill Prevention and Control Plan

Spill prevention and control measures

Employee training:

All employees will be trained before construction begins and briefed monthly in relation to spill prevention and control measures.

Vehicles Maintenance:

Routine maintenance for vehicles and equipments will be realized off-site. A daily inspection will be performed on all vehicles and equipment to identify any leaks of oil, and fluids. Any leaking vehicle or equipment will be removed from the site and repaired.

Hazardous material storage:

Hazardous materials will be stored in accordance to state and federal regulations, and proper handling will be attained as specified on sections 3.1 and 3.2.

Spill kits:

Spill cleanup kits will; be available on site and within the materials storage area.

Spills:

All spills will be cleaned up immediately upon discovery. Used absorbent materials will be removed off-site ant stored and disposed properly according to regulations. Spills large enough to discharge to surface water will be reported to the National Response Center at 1-800-424-8802 and Junta de Calidad Ambiental at 787-767-8181.

Material safety data sheets:

Material safety data sheets, material inventory and emergency contact information will be maintained at the project office trailer.

BMP Description: Spill prevention and control measures

Installation Schedule:	Spill prevention and control procedures will be implemented once construction begins on-site
Maintenance and Inspection:	All personnel will be instructed and trained before construction operations begin, regarding the correct procedures for spill prevention and control. During construction, once a month the personnel will be refreshed with spill prevention procedures. After any spill cleanup materials are used, they will be collected and disposed properly, and new materials will be acquired and replaced.
Responsible Staff:	Contractor

3.7 Any Additional BMPs

BMP Description: No additional BMP's are expected to be used.	
Installation Schedule:	N/A
Maintenance and Inspection:	N/A
Responsible Staff:	N/A

3.8 Allowable Non-Stormwater Discharge Management

List allowable non-stormwater discharges and the measures used to eliminate or reduce them and to prevent them from becoming contaminated:

BMP Description: Water used to control dust

Dust control will be implemented as needed during earthwork operations by means of a water truck with special pressure spray applicators. It is expected that during cut & fill operations, watering will be needed on all heavy equipment traffic areas. Water will be applied at a rate of 300 gallons per acre, no more than three times a day.

Installation Schedule:	Water dampening will be applied every day during earthwork operations, on all access roads where earthwork equipment is passing by.
Maintenance and Inspection:	Every day as needed, the water truck will be re-filled with water.
Responsible Staff:	Contractor

BMP Description: Uncontaminated Excavation Dewatering

Due to the site nature and topographic and soil characteristics, no dewatering is expected to occur at the project site. If dewatering does occur, the SWPPP will be revised to address this situation.

Installation Schedule:	N/A
Maintenance and Inspection:	N/A
Responsible Staff:	Contractor

BMP Description: Landscape Irrigation

Irrigation water will be sprayed by means of hoses connected to the water distribution system. Waters will be directed into soil and lawns. The irrigated areas will be inspected for excess watering and to adjust watering times and schedules.

Installation Schedule:	After planting trees and grass installation is completed.
Maintenance and Inspection:	Irrigation will be applied every other day to grass areas and planting strips in order to promote plant growth. Excess water that can discharge into impervious areas will be prevented.
Responsible Staff:	Contractor

BMP Description: Uncontaminated Water Line Flushing

Uncontaminated water from water line flushing of site infrastructure utilities will be discharged into the sediment basin to avoid contact with disturbed areas. If water from the line flushing becomes contaminated, the water line will be blocked off and the flushed water will be pumped to a tanker truck, which will haul the contaminated water off-site.

Installation Schedule:	During lines flushing, as needed.
Maintenance and Inspection:	Process will verified for leaks during operation, if any leaks are detected, the flushing operation will be stopped, and proper corrective measures be implemented before flushing continues.
Responsible Staff:	Contractor

***BMP Description*: Bioswales**

A stormwater bioswale system will be constructed. This system will collect the runoff from the site in order to capture the sediments that will settle. This measure will prevent sediment discharge into the Atlantic Ocean outside the project limits.

***Installation Schedule*:**	Will be constructed during the second week of the construction process, and before earthwork operations begin
***Maintenance and Inspection*:**	Every two weeks, and after storm events, the structures will be inspected. Excessive sediment and/or debris will be removed. Removed sediments will be hauled off-site for disposal.
***Responsible Staff*:**	Contractor

BMP Description: Grass & Tree Planting

Permanent stabilization will be done after finishing grading by means of the planting of new tree species and the sodding of grass on planting areas. New trees will be planted according to a planting plan approved by the P.R. Natural Resources Department.

Installation Schedule:	Begins a week after grading operations ends and will continue until the end of the construction activities.
Maintenance and Inspection:	Grass sodded areas and planted trees will be inspected weekly after their installation in order to prevent any dry areas, or inadequate growing. If areas are not growing, they will be reseeded and fertilized, and tress substituted. Permanent watering is expected during construction. After construction ends area will be monitored until final stabilization is reached.
Responsible Staff:	Contractor

SECTION 5: INSPECTIONS

5.1 Inspections

1. ***Inspection Personnel:*** Identify the person(s) who will be responsible for conducting inspections and describe their qualifications:

Eng. Eng. José de Jesús Vázquez, Professional Engineer , Project Inspector

Mr. de Jesus is responsible for site compliance with this SWPPP and EPA's Construction General Permit. Mr. de Jesus will conduct inspections for all areas of the site disturbed by construction activity, areas used for storage of materials that are exposed to precipitation, discharge points and construction access.

Qualifications

Mr. de Jesus, is a registered professional engineer in Puerto Rico, with license number #9193. He has over 30 years of experience in the construction related field. He has been in charge of numerous residential and commercial projects.

He has deep knowledge of the environmental permitting process, and has worked with state regulations regarding erosion and sediment control plans.

2. ***Inspection Schedule and Procedures:***

The General Construction Permit requires one inspection at least every 7 days, or 2 at least once every 14 days and within 24 hours of the end of a storm event of one-half inch or greater.
All inspections will follow the inspection report indicated below. The inspections will verify that all BMP's will be implemented, maintained and effectively minimize the discharge of pollutants and sediments into the stormwater runoff at the project site.
Photos will be taken and attached to each report, and a copy of the report will be stored at the project office. A copy of the report will be handed to the owner and contractors for their review.

Describe the general procedures for correcting problems when they are identified. Include responsible staff and time frames for making corrections:

The report will indicate any ineffective measure and will indicate if corrective actions are needed.

- *If corrective actions are needed as identified by the project inspector, the owner and contractors will be notified.*
- *Construction operations can be modified or stopped if the condition presents a hazardous situation,.*
- *The contractor will be responsible for initiating the corrective action within 24 hours (or as required by the situation), of the report notice. Also must complete or provide maintenance as soon as possible or before the next storm event.*

- *After the completion of the correcting deficiencies, the inspector and the owner will be notified for the corresponding inspection of the corrective measures. The inspector shall approve the corrective measures before continuing operations on the affected area.*

Attach a copy of the inspection report you will use for your site.

For a copy of the report, see Appendix E

5.2 Delegation of Authority

Duly Authorized Representative(s) or Position(s):

Company Name: **Eng. José de Jesús Vázquez**
Company Representative: **Eng José de Jesús Vázquez, Resident Inspector**
Address: **Calle Dr. Cueto # 87 Utuado P.R. 00641**
Phone Number: **(787) 201-4530**
Fax Number**: (787) 894-3100**
Email: **ingjjjn@hotmail.com**

Attached is a copy of the signed delegation of authority form in Appendix K.

5.3 Corrective Action Log

Corrective Action Log:
See appendix F – Corrective Action Log

SECTION 6: RECORDKEEPING AND TRAINING

6.1 Recordkeeping

Records will be retained for a minimum period of at least 3 years after the permit is terminated.

Date(s) when major grading activities occur:
See Appendix I –Grading and Stabilization Activities Log
Date(s) when construction activities temporarily or permanently cease on a portion of the site:
See Appendix I –Grading and Stabilization Activities Log
Date(s) when an area is either temporarily or permanently stabilized:
See Appendix I –Grading and Stabilization Activities Log

6.2 Log of Changes to the SWPPP

Log of changes and updates to the SWPPP
See Appendix G –SWPPP Amendment Log

6.3 Training

Individual(s) Responsible for Training:
Eng. Jose de Jesus Vazquez

Describe Training Conducted:

- **General stormwater and BMP awareness training for staff and subcontractors:**

Mr. de Jesus will conduct informal training for all staff, including subcontractors, on the site. The training will be conducted in one session. The training will focus on the installation and use procedures for BMP's. Also emphasis will be given on avoiding damage to stormwater BMP's and preventing illicit discharges.

Other items to be discussed are:

- Erosion Control BMP's
- Sediment and Runoff Control,
- Waste Management Practices
- Materials Storage
- Hazardous Substances Storage and Disposal
- Emergency Procedures
- Non stormwater BMP's
- Good Housekeeping BMP's

- **Detailed training for staff and subcontractors with specific stormwater responsibilities:**
  Mr. de Jesus will provide formal training to all staff, subcontractors and supervisors with specific BMP' responsibilities. The session will cover design, specifications, installation and maintenance procedures for each BMP's to be implemented on the project site. This will take in effect before any BMP's are installed on the project site

  See Appendix J –Training Log

SECTION 7: FINAL STABILIZATION

BMP Description: Permanent Planting

Permanent grass seeding will be applied after final design grades are achieved. This shall occur no later than two weeks after construction activities are ended. Top soil will be distributed on planting areas. Grass seeds will be applied on specified areas such as planting strips, patios and slopes. New graded areas will be planted with native species trees and mulch and fertilizers will be applied.

Installation Schedule:	Installation after final grading is attained
Maintenance and Inspection:	Planted trees will be inspected weekly after their installation in order to prevent inadequate growing. If areas are not growing, they will be fertilized, and tress substituted. Permanent watering is expected during construction. After construction ends area will be monitored until final stabilization is reached.
Responsible Staff:	Contractor

BMP Description: Pavement

Concrete or asphalt pavement will be applied on finished access roads and streets.

Installation Schedule:	After final grading is attained on streets.
Maintenance and Inspection:	A final inspection will be performed to determine if any cracks or infiltration are present. Any correction will be performed.
Responsible Staff:	Contractor

SECTION 8: CERTIFICATION AND NOTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name: **Eng. José de Jesús Vázquez** Title: **Inspector** (Owner's representative)

Signature: _____ Date: July 20, 2017

SWPPP APPENDICES

Appendix A – General Location Map

Appendix B – Site Maps

Appendix C – Construction General Permit

Appendix D – NOI and Acknowledgement Letter from EPA

Appendix E – Inspection Reports

Appendix F – Corrective Action Log

Appendix G – SWPPP Amendment Log

Appendix H – Subcontractor Certifications/Agreements

Appendix I – Grading and Stabilization Activities Log

Appendix J – Training Log

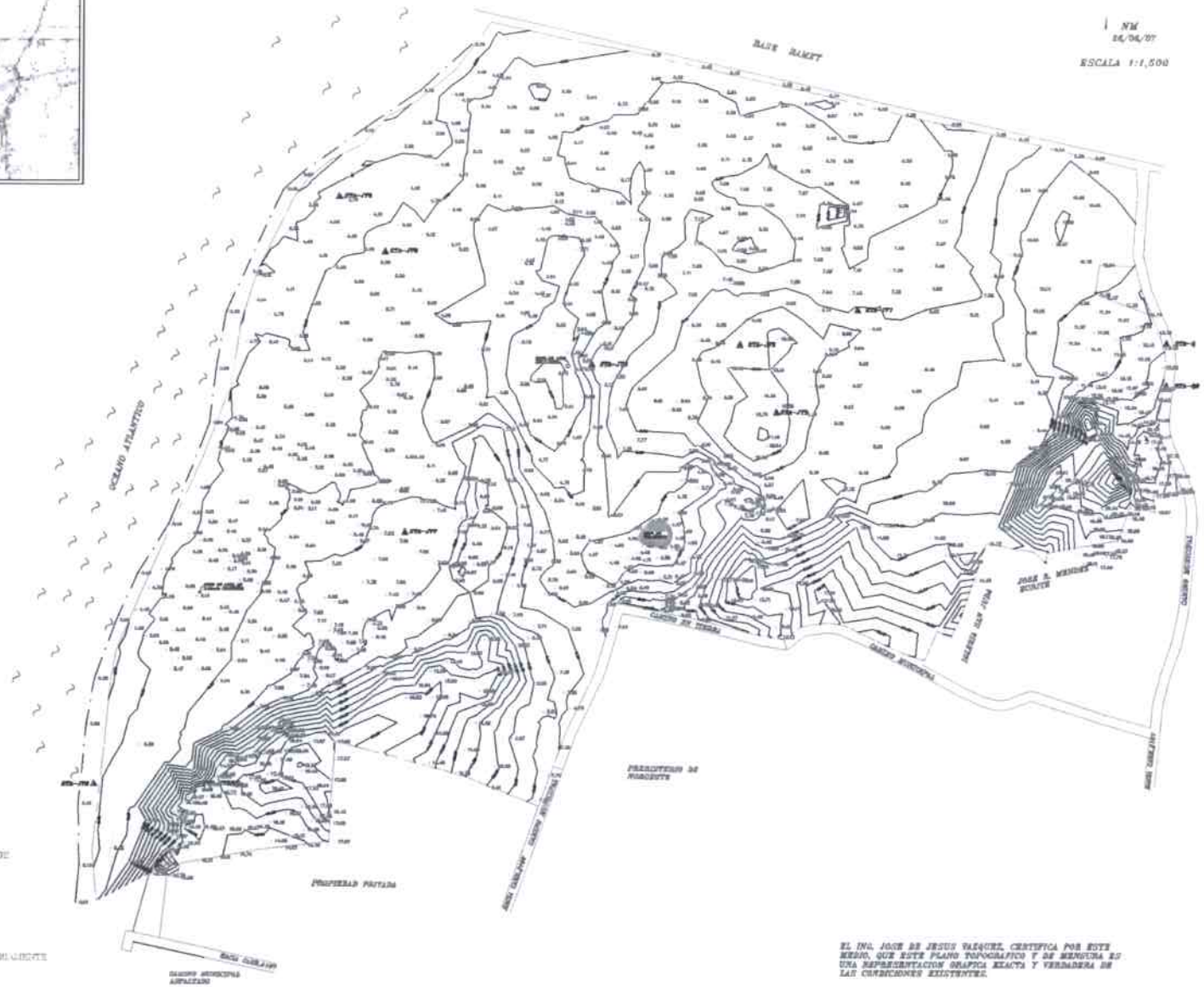
Appendix K – Delegation of Authority

Appendix L – Additional Information (Endangered Species and Historic Preservation Documentation)

Appendix A

PLANO DE LOCALIZACION *ESCALA 1:20,000*

"COORDENADAS LAMBERT"
N= 71,644 mts
E= 74,898 mts



LEYENDA:

—10— *LINEA DE CONTORNO 1.00mts*

LINEA DE CONTORNO 0.50mts

× 10.25 *ELEVAACION EXISTENTE*

TABLA DE CONTROLES HORIZONTALES Y VERTICALES				
ESTACION	NORTHING	EASTING	ELEV.	DESC.
[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	

NOTAS:

1. LAS DIMENSIONES ANGULARES Y LINEALES SE DESIGNARAN EN GRADOS,MIN,SEG Y EN SISTEMA MÉTRICO, A MENOS QUE DE OTRA MANERA ASI SE INDIQUE.
2. SE REFIEREN LAS COORDENADAS DE ESTA MENSURA A UN SISTEMA DE COORDENADAS LOCAL.
3. EL EQUIPO USADO PARA OBTENER TRABAJO DE CAMPO FUE:
   A. ESTACIÓN TOTAL (NIKON DTM-300)
   B. CINTA DE ACERO PARA DISTANCIAS CORTAS
4. TRABAJO DE CAMPO FUE HECHO DE JUNIO A JULIO DE 2007.
5. LOS SÍMBOLOS ESTAN PARA ILUSTRAR SOLAMENTE, NO SON NECESARIAMENTE DEL MISMO TIPO Y/O TAMAÑO DEL OBJETO CUAL ÉL REPRESENTA.

GRAPHIC SCALE

1 : 1500

EL ING. JOSE DE JESUS VAZQUEZ, CERTIFICA POR ESTE MEDIO, QUE ESTE PLANO TOPOGRAFICO Y DE MENSURA ES UNA REPRESENTACION GRAFICA EXACTA Y VERDADERA DE LAS CONDICIONES EXISTENTES.

CERTIFICO CORRECTO

ING. JOSE J. DE JESUS VAZQUEZ
P.E LIC.# 9193

PROJECT NAME:
TOPOGRAFIA DE FINCA PROPIEDAD DE CARIBBEAN MANANGMENT GROUP,INC LOCALIZADO EN CARR.#107 KM.2.2 EN EL Bo. BORINQUEN,SECTOR LA PLAYUELA, DEL MUNICIPIO DE AGUADILLA

ING.JOSE J. DE JESUS VAZQUEZ & ASOCIADOS
CALLE DR. CUETO #87 ALTOS, UTUADO P.R00641
TEL. / FAX. (787) 894-4332

DRAWING TITLE

PLANO TOPOGRAFICO

REVISIONS			
No.	DATE	DESCRIPTION	BY

DRAWING NAME: TOPO

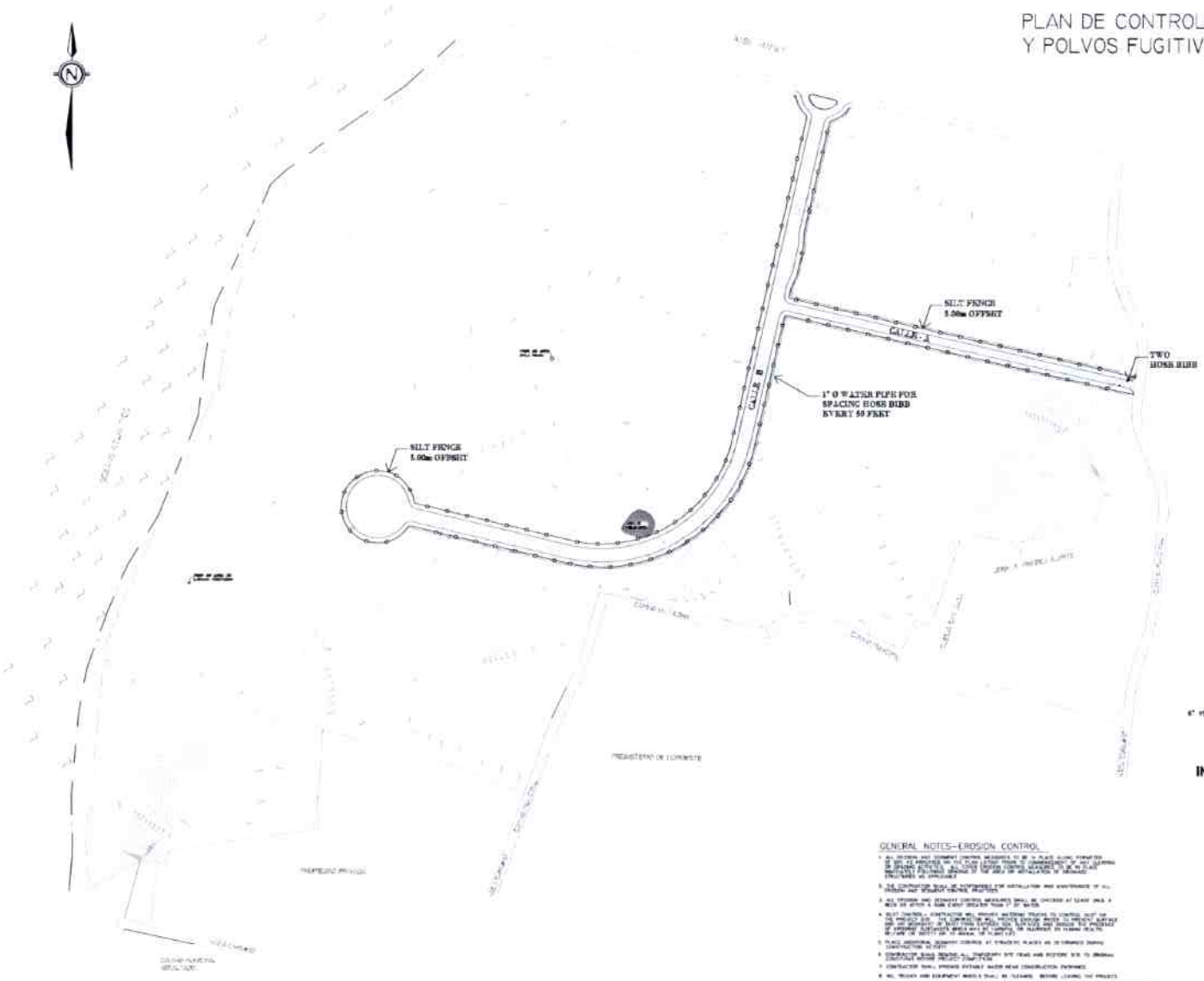
SHEET: OF:

DRAWN BY: AGRIM.J VELEZ | CHECK BY:

PLOT SCALE: 1:1,500 | DATE: 17-JULIO-2007

Appendix B

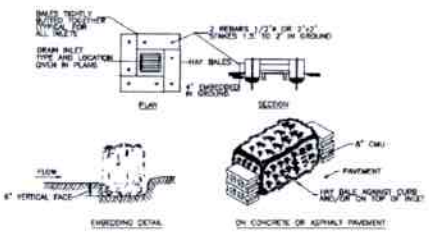
PLAN DE CONTROL DE EROSION, SEDIMENTACION Y POLVOS FUGITIVOS



CES PLAN FOR STREET LAYOUT

SCALE 1:2000

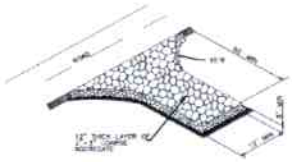
SILT FENCE DETAIL
N.T.S.



INLET BALE PROTECTION DETAIL (TYPICAL)
N.T.S.

GENERAL NOTES–EROSION CONTROL

1. ALL EROSION AND SEDIMENT CONTROL MEASURES TO BE IN PLACE DURING PERIOD OF SITE AS REQUIRED ON THE PLAN LISTED PRIOR TO COMMENCEMENT OF ANY CLEARING OR EARTH DISTURBANCE. ADDITIONAL EROSION CONTROL MEASURES TO BE IN PLACE AS DIRECTED BY THE ENGINEER OF THE AREA OR INSTALLATION IN DRAINAGE STRUCTURES AS APPLICABLE.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION AND MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL PROTECTION.
3. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CHECKED AT LEAST ONCE A WEEK OR AFTER A RAIN EVENT GREATER THAN 1" OF WATER.
4. SILT CONTROL – CONTRACTOR WILL PROVIDE MATERIAL TRUCKS TO CONTROL DUST ON THE PROJECT SITE. THE CONTRACTOR WILL PROVIDE EXTERNAL WATER TO PREVENT DUST ON THE SEDIMENT OF SILT FENCE FAILURES, SILT SURFACE AND SHALL BE PROVIDED OF ADEQUATE SUBSTANTIAL WORK WITH NO LIMITED, OR ALLOWANCE IN FUNDS HEALTH OR CARE OR DUSTY OR OF WORK OF SILT.
5. PLACE ADDITIONAL EROSION CONTROL AT STRATEGIC PLACES AS IS FURNISHED DURING CONSTRUCTION ACTIVITY.
6. CONTRACTOR SHALL PROVIDE TEMPORARY SITE TRAILS AND POTTING SITE TO PROVIDE CONTINUOUS WITHIN PROJECT CONSTRUCTION.
7. CONTRACTOR SHALL PROVIDE POTABLE WATER NEAR CONSTRUCTION ENTRANCE.
8. ALL TRUCKS AND EQUIPMENT WHEELS SHALL BE CLEANED BEFORE LEAVING THE PROJECT.
9. TRUCKS OVERLOAD AND EXITING THE CONSTRUCTION SITE SHALL SPIT ON THE GRAVEL CONTROL PROVIDED.
10. PROVIDE GRADES OR WOODEN BRACE SUPPORT AS REQUIRED TO ENSURE THAT RUN-OFF WATER IS FOUND TO PROTECTED AREAS WHERE PROJECT AREA.
11. ALL EROSION AND SEDIMENT CONTROL MAINTENANCE SHALL BE CHECKED AT OWNER'S REQUEST.



TEMPORARY GRAVEL CONSTRUCTION ENTRANCE
N.T.S.

Tres Rios – Ciudad de Vega Baja, Inc. (TRCVB), certifica que el documento que debe ahora (Planos) fue modificado por el Ingeniero Civil Ricardo Vázquez Ortiz, de acuerdo a la Reglamento Conjunto de Permisos para Obras de Construcción y Usos de Terrenos, Reglamento Núm. 7951 de la Junta de Planificación, Reglamento Núm. 4 de la Administración de Reglamentos y Permisos (ARPE), Reglamento Núm. 13 de la Oficina de Gerencia de Permisos (OGPe), Reglamento Núm. 24 de la Junta de Calidad Ambiental (JCA), Reglamento Núm. 3 de la Junta de Calidad de Aguas (JCA), Reglamento Núm. 6 de la Junta de Calidad de Desperdicios Sólidos (JCDS), Reglamento Núm. 4 de la Junta de Calidad de Aire (JCA), Reglamento Núm. 2 de la Junta de Calidad de Ruido (JCR), y Reglamento Núm. 4 de la Junta de Calidad de Desperdicios Peligrosos (JCDP).

Ricardo J. de Jesús Vázquez
P.E. Lic. 9469

Tres 2 de Julio Vázquez y Asociados
Consultores Land Surveyors Planners
Calle 3 Casa Verde Bajos PO 1264
Vega Baja, PR 00694
E-mail: info@tresrios.com

DRAWING TITLE: CES

REVISIONS			
NO.	DATE	DESCRIPTION	BY

DRAWING NUMBER: T-1

SHEET: SP1

DRAWN BY: CHECK BY:

PLOT SCALE: 1:2000 DATE: 09/09/2024

Appendix C

Appendix D

Appendix E

Appendix F

Appendix F – SWPPP Corrective Action Log

Project Name: ***Cristopher Colombus Landing , Access Street***
SWPPP Contact: ***Eng. José de Jesús Vázquez***

Inspection Date (mm/dd/yy)	Inspector Name(s)	Description of BMP Deficiency	Corrective Action Needed (including planned date/responsible person)	Date Action Taken/Responsible person

Appendix G

Appendix G –SWPPP Amendment Log

Project Name: *Cristopher Colombus Landing, Access Street*
SWPPP Contact: *Eng. José de Jesús Vázquez*

Amendment No.	Description of the Amendment	Date of Amendment (mm/dd/yy)	Amendment Prepared by [Name(s) and Title]

Appendix H

Appendix H – Subcontractor Certifications/Agreements

SUBCONTRACTOR CERTIFICATION
STORMWATER POLLUTION PREVENTION PLAN

Project Number: _____

Project Title: Cristopher Colombus Landing, Access Street Aguadilla P.R.

Operator(s): **Caribbean Management Group**

As a subcontractor, you are required to comply with the Stormwater Pollution Prevention Plan (SWPPP) for any work that you perform on-site. Any person or group who violates any condition of the SWPPP may be subject to substantial penalties or loss of contract. You are encouraged to advise each of your employees working on this project of the requirements of the SWPPP. A copy of the SWPPP is available for your review at the office trailer.

Each subcontractor engaged in activities at the construction site that could impact stormwater must be identified and sign the following certification statement:

I certify under the penalty of law that I have read and understand the terms and conditions of the SWPPP for the above designated project and agree to follow the BMPs and practices described in the SWPPP.

This certification is hereby signed in reference to the above named project:

Company: _____

Address: _____

Telephone Number: _____

Type of construction service to be provided: _____

_____

_____

Signature: _____

Title: _____

Date: _____

Appendix I

Appendix I – Grading and Stabilization Activities Log

Project Name: *Cristopher Colombus Landing, Access Street*
SWPPP Contact: *Eng. José de Jesús Vázquez*

Date Grading Activity Initiated	Description of Grading Activity	Date Grading Activity Ceased (Indicate Temporary or Permanent)	Date When Stabilization Measures are Initiated	Description of Stabilization Measure and Location

Appendix J

Appendix J – SWPPP Training Log

Stormwater Pollution Prevention Training Log

Project Name: Cristopher Colombus Landing , Access Street

Project Location: *Aguadilla , PR*

Instructor's Name(s):

Instructor's Title(s):

Course Location: _____ Date: _____

Course Length (hours): _____

Stormwater Training Topic: *(check as appropriate)*

- ❑ **Erosion Control BMPs**
- ❑ **Emergency Procedures**
- ❑ **Sediment Control BMPs**
- ❑ **Good Housekeeping BMPs**
- ❑ **Non-Stormwater BMPs**

Specific Training Objective:_____

_____

Attendee Roster: *(attach additional pages as necessary)*

No.	Name of Attendee	Company
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

Appendix K

Appendix K –Delegation of Authority Form

Delegation of Authority

I, **Reinaldo Vincenty**, hereby designate the person or specifically described position below to be a duly authorized representative for the purpose of overseeing compliance with environmental requirements, including the Construction General Permit, at the Cristopher Colombus Landing Aguadilla P.R.construction site. The designee is authorized to sign any reports, stormwater pollution prevention plans and all other documents required by the permit. The designee is:

Eng. José de Jesús Vázquez, Resident Inspector
Eng. José de Jesús Vázquez
Calle Dr. Cueto # 87
Utuado P.R. 00641
(787) 201-4530

By signing this authorization, I confirm that I meet the requirements to make such a designation as set forth in Appendix G, Subsection 11.A of EPA's Construction General Permit (CGP), and that the designee above meets the definition of a "duly authorized representative" as set forth in Appendix G, Subsection 11.B (1-3).

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name: Mr. Reinaldo Vincenty

Company: Caribbean Management Group

Title: President

Signature:

Date: June 20, 2017

Appendix L

Columbus Landing, Aguadilla
CGP 2017 – Eligibility Procedure Relating to Threatened and Endangered Species Protection
June 20, 2017

In order to determine eligibility for coverage under the 2017 Construction General Permit (CGP), the procedures delineated in its Appendix D (Eligibility Procedures Relating to Threatened or Endangered Species Protection) were followed to determine if threatened or endangered species may be affected from discharges and/or discharge-related activities authorized under the permit.

The list of species that are likely to be located within the project's action area was obtained from the Fish and Wildlife's (FWS) IPaC site and National Marine Fisheries Service (NMFS) webpages, as stated in section D.2.2 of 2017 CGP Appendix D. From the information obtained, it was determined that several Threatened and Endangered Species may exist within the action area of the project. However, no critical habitats were identified within the project area. The list obtained from the website, and the identification of critical habitats, is included in Appendix 1 of this memo. It should be noted that none of the species listed have been identified in the area of the parcel where the proposed project will take place.

Although none of the listed species or their habitats has been identified in the area of the proposed project, the developers understand the area is environmentally sensitive. Thus, it is of extreme importance that strict control measures are implemented during the construction activities to avoid erosion and sedimentation and toxic discharges. This will avoid changes to the runoff that can be adverse to species that may be found in or near the action area. No critical habitats will be impacted during this phase of the project.

To this end, these and other control measures (see details in the Stormwater Pollution Prevention Plan) will be implemented during this construction phase:

1. Erosion and sediment control measures will be in place along the perimeter of the road construction and laid out prior to commencing of any clearing or grading activities. This includes a silt fence and straw hay bales.
2. A stormwater bioswale system will be constructed along the side of the road. This system will collect the runoff from the site in order to capture the sediments. This system will prevent discharge of sediments to the area outside the project limits, including the Atlantic Ocean.
3. Dust control will be implemented during earthwork operations by means of a water truck with special pressure spray applicators. It is expected that during cut & fill operations, watering will be needed on traffic areas for heavy equipment.
4. The control measures will be revised weekly to ensure they are in good conditions and work effectively.

These and other measures, strictly implemented, will ensure that discharges do not impact species that may be located in or around the area. Thus, the eligibility criterion selected for this phase of the project is:

Criterion C: Discharges not likely to adversely affect ESA-listed species and/or designated critical habitats.

Appendix 1

United States Department of the Interior

FISH AND WILDLIFE SERVICE
Caribbean Ecological Services Field Office
Post Office Box 491
Boqueron, PR 00622-0491
Phone: (787) 851-7297 Fax: (787) 851-7440
http://www.fws.gov/caribbean/es

In Reply Refer To:
Consultation Code: 04EC1000-2017-SLI-0150
Event Code: 04EC1000-2017-E-00142
Project Name: C Colombus Landing

June 19, 2017

Subject: List of threatened and endangered species that may occur in your proposed project location, and/or may be affected by your proposed project

To Whom It May Concern:

THE FOLLOWING SPECIES LIST IS NOT A SECTION 7 CONSULTATION. PLEASE CONTACT OUR OFFICE TO COMPLETE THE CONSULTATION PROCESS

The purpose of the Endangered Species Act (Act) is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 et seq.), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect those species and/or their designated critical habitat.

Federal agencies are required to "request of the Secretary of Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action". The enclosed species list provides information to assist with the consultation process with the U.S. Fish and Wildlife Service (Service) under section 7 of the Act. However, the enclosed species list **does not complete the required consultation process**. The species list identifies threatened, endangered, proposed and candidate species, as well as proposed and designated critical habitats, that may occur within the boundary of your proposed project and/or may be affected by your proposed project.

A discussion between the Federal agency and the Service should include what types of listed species may occur in the proposed action area, and what effect the proposed action may have on those species. This process initiates informal consultation.

When a Federal agency, after discussions with the Service, determines that the proposed action is not likely to adversely affect any listed species, or adversely modify any designated critical

habitat, and the Service concurs, the informal consultation is complete and the proposed project moves ahead. If the proposed action is suspected to affect a listed species or modify designated critical habitat, the Federal agency may then prepare a Biological Assessment (BA) to assist in its determination of the project's effects on species and their habitat.

However, a BA is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2) (c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a BA where the agency provides the Service with an evaluation on the likely effects of the action to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a BA are described at 50 CFR 402.12.

If a Federal agency determines, based on its BA or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to further consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species, and proposed critical habitat be addressed within the consultation process.

More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

http://www.fws.gov/endangered/esa-library/pdf/TOC-GLOS.PDF

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list.

Additionally, wind energy projects should follow the wind energy guidelines (http://www.fws.gov/windenergy/) for minimizing impacts to migratory birds and bats.

Guidance for minimizing impacts to migratory birds for projects including communications towers (e.g., cellular, digital television, radio, and emergency broadcast) can be found at:

http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/towers.htm;
http://www.towerkill.com; and
http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/comtow.html.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Tracking Number in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

For more information:

U.S. Fish and Wildlife Service

Caribbean Ecological Services Field Office

Road 301, Km. 5.1 / Bo. Corozo

Boquern, PR 00622

Telephone: (787) 851-7297

Fax: (787) 851-7440

Email: caribbean_es@fws.gov

http://www.fws.gov/caribbean/es

Send all documents to:

U.S. Fish and Wildlife Service

P.O. Box 491

Boquern, Puerto Rico 00622

Attachment(s):

- Official Species List
- USFWS National Wildlife Refuges and Fish Hatcheries
- Migratory Birds
- Wetlands

Official Species List

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

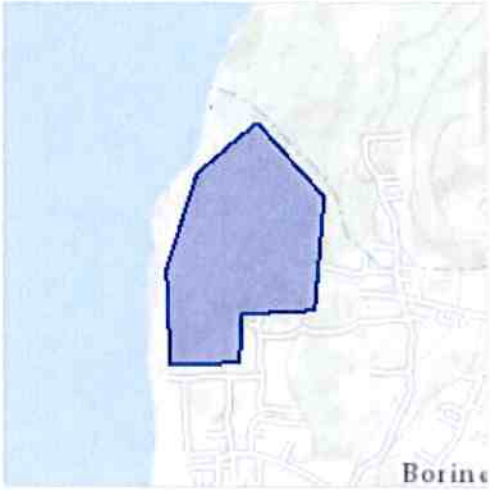
Caribbean Ecological Services Field Office
Post Office Box 491
Boqueron, PR 00622-0491
(787) 851-7297

Project Summary

Consultation Code:	04EC1000-2017-SLI-0150
Event Code:	04EC1000-2017-E-00142
Project Name:	C Colombus Landing
Project Type:	WATER QUALITY MODIFICATION
Project Description:	Road construction

Project Location:

Approximate location of the project can be viewed in Google Maps:
https://www.google.com/maps/place/18.477217708677323N67.16522907810074W



Counties: Aguadilla, PR

Endangered Species Act Species

There is a total of 8 threatened, endangered, or candidate species on your species list. Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species. See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area. Please contact the designated FWS office if you have questions.

Mammals

NAME	STATUS
West Indian Manatee *(Trichechus manatus)* There is a **final** critical habitat designated for this species. Your location is outside the designated critical habitat. Species profile: https://ecos.fws.gov/ecp/species/4469	Threatened

Birds

NAME	STATUS
Puerto Rican Plain Pigeon *(Columba inornata wetmorei)* No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/7955	Endangered
Roseate Tern *(Sterna dougallii dougallii)* Population: Western Hemisphere except NE U.S. No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/2083	Threatened
Yellow-shouldered Blackbird *(Agelaius xanthomus)* There is a **final** critical habitat designated for this species. Your location is outside the designated critical habitat. Species profile: https://ecos.fws.gov/ecp/species/7383	Endangered

Reptiles

NAME	STATUS
Hawksbill Sea Turtle *(Eretmochelys imbricata)* There is a **final** critical habitat designated for this species. Your location is outside the designated critical habitat. Species profile: https://ecos.fws.gov/ecp/species/3656	Endangered
Leatherback Sea Turtle *(Dermochelys coriacea)* There is a **final** critical habitat designated for this species. Your location is outside the designated critical habitat. Species profile: https://ecos.fws.gov/ecp/species/1493	Endangered
Puerto Rican Boa *(Epicrates inornatus)* No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/6628	Endangered

Flowering Plants

NAME	STATUS
Schoepfia arenaria No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/5250	Threatened

Critical habitats

There are no critical habitats within your project area.

USFWS National Wildlife Refuges And Fish Hatcheries

Any activity proposed on National Wildlife Refuge lands must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

There are no refuges or fish hatcheries within your project area.

Migratory Birds

Certain birds are protected under the Migratory Bird Treaty Act[1] and the Bald and Golden Eagle Protection Act[2].

Any activity that results in the take of migratory birds or eagles is prohibited unless authorized by the U.S. Fish and Wildlife Service[3]. There are no provisions for allowing the take of migratory birds that are unintentionally killed or injured.

Any person or organization who plans or conducts activities that may result in the take of migratory birds is responsible for complying with the appropriate regulations and implementing appropriate conservation measures.

---

1. The Migratory Birds Treaty Act of 1918.
2. The Bald and Golden Eagle Protection Act of 1940.
3. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

The migratory birds species listed below are species of particular conservation concern (e.g. Birds of Conservation Concern) that may be potentially affected by activities in this location. It is not a list of every bird species you may find in this location, nor a guarantee that all of the bird species on this list will be found on or near this location. Although it is important to try to avoid and minimize impacts to all birds, special attention should be made to avoid and minimize impacts to birds of priority concern. To view available data on other bird species that may occur in your project area, please visit the AKN Histogram Tools and Other Bird Data Resources. To fully determine any potential effects to species, additional site-specific and project-specific information is often required.

NAME	SEASON(S)
Bridled Quail-dove *(Geotrygon mystacea)*	On Land: Year-round
Caribbean Coot *(Fulica caribaea)* https://ecos.fws.gov/ecp/species/2973	On Land: Year-round
Least Bittern *(Ixobrychus exilis)* https://ecos.fws.gov/ecp/species/6175	On Land: Year-round
Loggerhead Kingbird *(Tyrannus caudifasciatus)*	On Land: Year-round
Swainson's Warbler *(Limnothlypis swainsonii)*	On Land: Wintering
Worm Eating Warbler *(Helmitheros vermivorum)*	On Land: Wintering
Puerto Rican Vireo *(Vireo latimeri)*	On Land: Year-round

Smooth-billed Ani *(Crotophaga ani)* https://ecos.fws.gov/ecp/species/1754	On Land: Year-round
Magnificent Frigatebird *(Fregata magnificens)*	On Land: Wintering
Antillean Mango *(Anthracothorax dominicus)*	On Land: Year-round
Masked Booby *(Sula dactylatra)*	On Land: Wintering
Solitary Sandpiper *(Tringa solitaria)*	On Land: Wintering
Limpkin *(Aramus guarauna)*	On Land: Year-round
Mangrove Cuckoo *(Coccyzus minor)*	On Land: Year-round
Prairie Warbler *(Dendroica discolor)*	On Land: Wintering
Semipalmated Sandpiper *(Calidris pusilla)*	On Land: Wintering
White-crowned Pigeon *(Patagioenas leucocephala)* https://ecos.fws.gov/ecp/species/4047	On Land: Year-round
Wilson's Plover *(Charadrius wilsonia)*	On Land: Year-round
Yellow-breasted Crake *(Porzana flaviventer)*	On Land: Year-round
White-cheeked Pintail *(Anas bahamensis)* https://ecos.fws.gov/ecp/species/6589	On Land: Year-round
Masked Duck *(Nomonyx dominicus)*	On Land: Year-round
Ruddy Duck *(Oxyura jamaicensis jamaicensis)* https://ecos.fws.gov/ecp/species/7385	On Land: Year-round
Puerto Rican Oriole *(Icterus dominicensis)*	On Land: Year-round
Black Swift *(Cypseloides niger)* https://ecos.fws.gov/ecp/species/8878	On Land: Breeding
Short-eared Owl *(Asio flammeus)* https://ecos.fws.gov/ecp/species/9295	On Land: Year-round
Least Tern *(Sterna antillarum)*	On Land: Breeding

Additional information can be found using the following links:

- Birds of Conservation Concern http://www.fws.gov/birds/management/managed-species/birds-of-conservation-concern.php
- Conservation measures for birds http://www.fws.gov/birds/management/project-assessment-tools-and-guidance/

conservation-measures.php

- Year-round bird occurrence data
  http://www.birdscanada.org/birdmon/default/datasummaries.jsp

Wetlands

Impacts to NWI wetlands and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local U.S. Army Corps of Engineers District.

There are no wetlands within your project area.