



**JAVIER JIMÉNEZ PÉREZ**  
**ALCALDE**

ESTADO LIBRE ASOCIADO DE PUERTO RICO  
MUNICIPIO AUTÓNOMO DE SAN SEBASTIÁN



September 28, 2016

Eng. Sergio Bosques  
Regional Storm Water Coordinator  
Caribbean Environmental Protection Division  
City View Plaza II – Suite 7000  
#48 Rd. 165 km 1.2  
Guaynabo, PR 00968-8069

2016 OCT -3 PM 3:40  
RECEIVED  
OFFICE OF THE  
MAYOR

**NOTICE OF INTENT-NOI- *MUNICIPALITY OF SAN SEBASTIÁN*,**  
**FOR STORM WATER DISCHARGES FROM SMALL MS4s IN URBANIZED AREAS**

As part of the provisions of the Clean Water Act, Section 402 (p), requires that storm water discharges, associated with municipal separate storm sewer system (MS4s) in urbanized areas, to waters of the US must be authorized by a National Pollutant Discharge Elimination System (NPDES) permit. In order to comply with this requirement, we are submitting our Notice of Intent for the NPDES Permit no. PRR040072. The updated SWMP document will be modified in the next 6 months as required in Section 1.11 of the 2016 signed permit, and pursuant to Title 40, Part 122.34 Subpart B, or Permit Application and Special NPDES Program Requirements. The Municipality of San Sebastián has the intention of comply with the Permit's provisions and EPA requirements. If you need additional information, do not hesitate to contact us at the Mayor's Office at 787-896-1550 or via e-mail at [ingenieriamunss@gmail.com](mailto:ingenieriamunss@gmail.com)

Sincerely,

  
**Hon. Javier Jiménez**  
Mayor

Enclosure

Notice of Intent

GOBIERNO MUNICIPAL DE SAN SEBASTIÁN

NOTICE OF INTENT  
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PHASE II,  
REGULATED SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEMS (MS4's)

INDIVIDUAL PERMIT

MUNICIPALITY OF SAN SEBASTIÁN

EPA REGION 2 PUERTO RICO

PREPARED BY  
ECOSTAHLIA CONSULTORES AMBIENTALES  
SAN JUAN, PUERTO RICO

**United States Environmental  
Protection Agency National  
Pollutant Discharge Elimination  
System**

Notice of Intent (NOI) for coverage under the  
Small Municipal Separate Storm Sewer System  
(MS4) General Permit (PRR040000) for Puerto  
Rico

**Part A. General Information**

1. Name of Municipality or Organization: Municipality of San Sebastián
2. Type : ☐ Federal ☐ State ☐ Municipality ☐ Other: \_\_\_\_\_
3. Existing Permittee: ☐ Yes ☐ No If yes, provide EPA NPDES Permit Number: PRR040072
4. Location Address:
  - a. Street: Calle Padre Feliciano #3
  - b. City: San Sebastián State: PR Zip Code: 00685
5. Mailing Address:
  - a. Street: PO Box 1603
  - b. City: San Sebastián State: PR Zip Code: 00685
6. Telephone Number: 787-896-1550 Fax: 787-896-8363
7. E-mail: ingenieriamunss@gmail.com
8. Standard Industrial Classification (SIC) Code (see instructions for common codes): 9199
9. Latitude: (use the format provided.) Longitude: (use the format provided.)  
2.2.4.2 Approximate *center of the regulated portion of the MS4*.  
  
18° 20' 12.2" N (degrees, minutes, seconds) 66° 59' 28.5" W (degrees, minutes, seconds)

## Part B. Primary MS4 Program Manager Contact Information

1. Name: Luis Albaladejo, P.E.
2. Position Title: Engineer
3. Stormwater Management Program (SWMP) Location (web address or physical location):
4. Mailing Address:
  - a. Street: Calle Padre Feliciano #3  
PO Box 1603
  - b. City: San Sebastián  
State: PR Zip Code: 00685
5. Telephone Number: 787-896-1550
6. E-mail: ingenieriamunss@gmail.com

## Part C. Eligibility Determination

1. Endangered Species Act (ESA) determination complete? ☐ Yes ☒ No
  - a. Eligibility Criteria (check all that apply): ☐ A ☐ B ☐ C ☐ D ☐ E ☐ F
2. National Historic Preservation Act (NHPA) determination complete? ☐ Yes ☒ No
  - a. Eligibility Criteria (check all that apply): ☐ A ☐ B ☐ C ☐ D



## Part D. Map/Boundaries

### 1. MS4/Organization Description of regulated boundaries (narrative):

The Municipality of San Sebastian is positioned in the inner part of the Northwest of Puerto Rico. It is located North of Isabela, Camuy and Quebradillas; East of Lares; West of Moca and Añasco; and South of Las Marias. Its surface area includes a total of 137.8 km<sup>2</sup> (53 mi<sup>2</sup>) and has a population of 42,430 inhabitants, according to the 2010 Census. As mentioned earlier, 23 of the 24 wards of the Municipality of San Sebastian falls within the Urbanized Area, as defined in Section 9 of the National Pollutant Discharge Elimination System General Permit for Discharges from Small Municipal Separate Storm Sewer Systems (PRR040000).

Alto Sano	Guacio	Perchas II
Aibonito	Guajataca	Piedras Blancas
Bahomamey	Guatemala	Pozas
Calabazas	Hato Arriba	Robles
Cibao	Hoya Mala	Saltos
Cidral	Juncal	San Sebastián Pueblo
Culebrinas	Mirabales	Sonador
Eneas	Perchas I	

San Sebastián has various roadways that allow the access to other municipalities in the region. The main access to San Sebastián is through State Roads PR #111, PR #119 and PR #109, which are connected as well to others of secondary roadways that allow an intermunicipal mobility. The Municipality of San Sebastian has many surface water resources of importance. The following rivers conforms the hydrographic system of San Sebastian:

- The Culebrinas River, that is born Espino Ward of Lares and crosses the municipalities of San Sebastian and Moca.
- The Guatemala River, which originates in the Aibonito Ward, crossing the Guatemala and Bahomamey Wards and ending at the Culebrinas River.
- The Guajataca River that originates in the Buenos Aires Ward (Lares) and crosses Cibao and Guajataca Wards.
- The Juncal River that originates in Lares flows to the South and ends at the Río Grande de Añasco River.
- The Sonador River, originates in Calabazas Ward, flows towards the West and end in the Culebrinas River.
- The Guacio River is born in Guilarte (Adjuntas), winding by Lares and passing to the south of San Sebastian, following its course until ending at beaches of Añasco and Mayagüez, where it is known as Río Grande de Añasco River.

At Lago Guajataca, is located in the North of the municipality and separates the Municipality of Quebradillas. This man-made reservoir is used for public water supply

2. Location Map/Boundaries. A location map must be attached showing the pertinent city, town, wards, or boundaries, the boundaries of the Small MS4, including surface water body(s), and the "urbanized area" (UA) when applicable.

Is map attached? ☐ Yes ☒ No

**Part E. MS4 Infrastructure** (if covered under the 2006 general permit)

1. Estimated Percent of Outfall Map Complete? (*Section 4.2.3 of 2006 general permit*): 100%
  - a. If 100% of 2006 requirements are not met, enter an estimated date of completion: 06/30/2017  
(MM/DD/YYYY)
  - b. Web address where MS4 map is published: PDF copy of the map included with the NOI  
*If outfall map is unavailable on the internet an electronic or paper copy of the outfall map must be included with NOI submission.*

**Part F. Bylaw/Ordinance Development** (if covered under the 2006 general permit)

1. Illicit Discharge Detection and Elimination (IDDE) authority adopted? ☐ Yes ☐ No
  - a. Effective Date or Estimated Date of Adoption: 12/30/2016  
(MM/DD/YYYY)
2. Construction/Erosion and Sediment Control authority adopted? ☐ Yes ☐ No
  - a. Effective Date or Estimated Date of Adoption: 06/30/2017  
(MM/DD/YYYY)
3. Post-Construction Stormwater Management adopted? ☐ Yes ☐ No
  - a. Effective Date or Estimated Date of Adoption: 06/30/2017  
(MM/DD/YYYY)

**Part G. Receiving Waters**

List the names of all surface waterbody segments to which your MS4 discharges. For each waterbody segment, please report the number of outfalls discharging into it and, if applicable, any impairments. You may attach additional information.

<b>Waterbody Segment that receives flow from the MS4</b>	<b>Number of Outfalls into receiving waterbody segment</b>	<b>Has any monitoring been performed to outfalls? (Yes/No)</b>	<b>List of Pollutant(s) causing impairment (if applicable)</b>	<b>List of TMDL Pollutant (s) (if any)</b>
Río Culebrinas	35	NO	Phosphorus Fecal Coliforms Turbidity Copper, Lead Surfactants, Arsenic Cyanide	Fecal Coliforms
Río Guatemala	14	NO	Río Guatemala Fecal Coliforms	Fecal Coliforms
Quebrada Salada	15	NO	Cyanide Fecal Coliforms	Fecal Coliforms
Río Guajataca	4	NO	Cyanide Fecal Coliforms Lox Dissolved Oxygen	Fecal Coliforms
Quebrada Bejuco	1	NO	Fecal Coliforms Phosphorus	Fecal Coliforms

## Part H. Summary of Stormwater Management Program (SWMP) under the 2006 Small MS4 General Permit

For every measurable goal and associated Best Management Practice (BMP) listed in the adopted program, provide the following information (You may include additional pages):

<b>MCM 1 – PUBLIC EDUCATION AND OUTREACH</b>	<b>Goal Achieved? (Yes/No)</b>	<b>Continued in next permit cycle? (Yes/No)</b>	<b>Who was the targeted audience? Explain reason for not achieving goal.</b>	<b>Modification(s) to goals or BMP for next permit cycle</b>
BMP 1- Storm Water Related Public Service Announcements	Yes	Yes	General Public. A segment was developed and radioed to educate and aware the public about the storm water pollution issues and the impacts of storm	Continue without major variations
BMP-2 Development and Distribution of Storm Water Related Materials	Yes	Yes	Written information was distributed to a total of 155 persons in a total of 8 activities during this year.	None. Was completed during last permit, but the municipality is expecting to continue with the BMP.
BMP-3 Storm Water Web Page	No	Yes	Not started. In July 2016 the Municipality contracted a specialized firm that is going to help them implement this goal	They Municipality will continue with minor changes.
BMP-4 Storm Water Pamphlets, Booklets and Flyers	Yes	Yes	Farmers and Store Owners. They reached the goal but will distribute more during the new cycle.	The municipality will distribute more pamphlets thru the media outlets.
<b>MCM 2 – PUBLIC INVOLVEMENT &amp; PARTICIPATION.</b>	<b>Goal Achieved? (Yes/No)</b>	<b>Continued in next permit cycle? (Yes/No)</b>	<b>Who was the targeted audience? Explain reason for not achieving goal.</b>	<b>Modification(s) to goals or BMP for next permit cycle</b>
BMP-1 Storm Drain Stenciling Program	No	Yes	General Public and Homeowners. The relocation of financial resources to complete other tasks of the permit.	The Municipality will continue with the same target goals.
BMP-2 Annual Cleanup	Yes	Yes	General Public. The targeted goal was achieved.	The Municipality will continue with the sane target goals.
BMP-3 Public Involvement Program	No	Yes	Local Residents. The need for relocating funds to conduct other tasks within the NPDES Permit.	The Municipality will continue with the effort in the new cycle.

BMP-4 Community Hotline	No	Yes	Local Residents. This is an ongoing process.	The effort will continue during the new cycle.
<b>MCM 3 – ILLICIT DISCHARGE DETECTION AND ELIMINATION</b>	<b>Goal Achieved? (Yes/No)</b>	<b>Continued in next permit cycle? (Yes/No)</b>	<b>Who was the targeted audience? Explain reason for not achieving goal.</b>	<b>Modification(s) to goals or BMP for next permit cycle</b>
BMP-1 Storm Sewer System Map	Yes	No The municipality may have to add new sections if new urban development is completed	None	Will depend on any new development being proposed to the area
BMP-2 Implement Regulations to Enforce Non-Storm Discharges	No	Yes	Local Residents The Municipality needed information on the impact from new regulations on a weak local economy.	For the next cycle the Municipality will complete the approval of the draft ordinance and regulation addressing Non-Storm Discharges.
BMP-3 Educational Outreach	No	Yes	Local (K-12) and college students. There were not enough economical resources to reach the proposed goal.	The Municipality will focus its efforts in the K-12 groups to increase the efficiency in using local funds.
BMP-4 Program to Detect, Identify and Eliminate Illicit Discharges	No	Yes	Residences city wide. This is an ongoing effort. The municipality with the support of a local firm has identified 94 illegal discharges around urban areas. There still are areas needed of surveys.	The Municipality will continue with the effort during the new cycle.
BMP-5 Program to Detect, Identify and Eliminate Illegal Solid Waste Dumping	Yes	Yes	Three ordinances were created prohibiting illegal disposal of waste in unpermitted areas or into storm drain systems. One ordinance was created prohibiting the illegal burning of different solid, non-solids and liquid materials. More than 164 tons of iron slags were collected. More than 1,141 tons of	As part of the new cycle, the municipality will



BMP-6 Program to Detect, Identify and Eliminate Waste Water Connections to the Storm Drain System	No	Yes	Urban Areas. Lack of available funding. The task will be continued during the new cycle.	The Municipality will allocate funds to continue this task during the new cycle.
BMP-7 Program to Detect and Eliminate Sanitary Sewer Overflows	No	Yes	Urban Areas. Lack of available funding. The task will be continued during the new cycle. The Municipality will continue working with PRASA to address the issue.	The Municipality will allocate funds to continue this task during the new cycle.
BMP-8 Program to Detect and Eliminate Failing Septic Systems	No	Yes	Urban Areas This is an ongoing issue. The Municipality will continue providing support to PREQB.	The Municipality will continue providing support to PREQB
<b>MCM 4 – CONSTRUCTION SITE STORM WATER RUN OFF CONTROL</b>	<b>Goal Achieved? (Yes/No)</b>	<b>Continued in next permit cycle? (Yes/No)</b>	<b>Who was the targeted audience? Explain reason for not achieving goal.</b>	<b>Modification(s) to goals or BMP for next permit cycle</b>
BMP-1 Ordinance or Other Regulatory Mechanism	No	Yes	Local Residents The Municipality needed information on the impact from new regulations on a weak local economy.	For the next cycle the Municipality will complete the approval of the draft ordinance and regulation addressing Stormwater Runoff from Construction Sites
BMP-2 General Construction Site Waste Controls	Yes	Yes	Local Residents and Contractors. The controls are in place and fully operational	The Municipality will continue with the effort during the new permit cycle.
BMP-3 Information Submitted by the Public	No	Yes	City-wide residents. Lack of funding available.	The Municipality will allocate the necessary funds to complete this task.

BMP-4 Construction Site Inspection and Enforcement	Yes	Yes	City-wide.	The Municipality will continue funding this task during the new permit cycle.
<b>MCM 5 – POST CONSTRUCTION STORM WATER MANAGEMENT DEVELOPMENT &amp; REDEVELOPMENT</b>	<b>Goal Achieved? (Yes/No)</b>	<b>Continued in next permit cycle? (Yes/No)</b>	<b>Who was the targeted audience? Explain reason for not achieving goal.</b>	<b>Modification(s) to goals or BMP for next permit cycle</b>
BMP-1 Ordinances or other regulatory mechanism	No	Yes	Local Residents Urban Development Boards The Municipality needed information on the impact from new regulations on a weak local economy.	For the next cycle the Municipality will complete the approval of the draft ordinance and regulation addressing Post-Construction BMPs.
BMP 2a Structural - Ponds	No	Yes	New developments City-wide No new construction within the Municipality have required the construction of structural ponds.	The effort will continue during the new cycle depending on new constructions.
BMP 2b Structural - Porous Pavement Program	Yes	No	City-wide Although the goal was reached, due to the high cost of the structural porous pavement, the municipality decided not to continue with the effort.	The Municipality will not continue with this program during the new cycle.
BMP 2c Structural - Stormwater Wetland Program	No	Yes	City-wide The cost associated with the task and the lack of new projects were to implement it, did not allowed to complete the task.	The Municipality will implement the task during the new cycle.
BMP 2d Structural - Runoff Pretreatment Practices	No	Yes	City-wide The lack of new projects where to implement this task delayed the completion.	The Municipality will implement the task during the new cycle.



BMP 3a Nonstructural - Develop regional growth planning process	No	Yes	City-wide The lack of necessary funds delayed the completion of this task	The Municipality will continue with the effort during the new cycle.
BMP 3b Nonstructural-Develop Green Parking techniques	Yes	No?	City-wide This activity was completed and the Municipality?	To be discussed
BMP 3c Nonstructural-Develop an alternative paver program	No	Yes	City-wide The lack of technical resources delayed the implementation of this task	The Municipality will continue the implementation during the new cycle.
BMP 3d Nonstructural-Develop an education program for developers and public	No	Yes	City-wide, Residents and Developers The Municipal government did not have the necessary funds to complete this task.	The Municipality will allocate the funds to complete this task during the new cycle.
<b>MCM 6 – POLLUTION PREVENTION (GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS)</b>	<b>Goal Achieved? (Yes/No)</b>	<b>Continued in next permit cycle? (Yes/No)</b>	<b>Who was the targeted audience? Explain reason for not achieving goal.</b>	<b>Modification(s) to goals or BMP for next permit cycle</b>
BMP 1- Source Control	Yes	Yes	Employees and supervisors from Municipal Public Works. Employees received trainings twice a year.	The trainings will continue during the next cycle.

BMP 2 - Materials Management	Yes	Yes	<p>The Municipality created a Plan for the Prevention of Accidents and Correction of deficiencies at the municipality auto mechanic and painting workshop.</p> <p>The Stormwater Pollution Prevention Plan (SWWP) for the industrial activities performed in the Municipality's Transportation and Public Works Facilities was created.</p> <p>They exist a total of 25 facilities storing hazardous materials in 15 municipal buildings.</p> <p>The SPCC Plan for the Municipality's Transportation and Public Works Facilities was prepared and submitted to EPA.</p>	<p>The plans will be reviewed during the next cycle. Any changes will be submitted to the USEPA.</p>
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**Part I. 2016 Stormwater Management Program (SWMP) Summary**

Public Education and Outreach (See Section 2.4.2 for detailed information of required BMPs):

<b>MCM 1 – PUBLIC EDUCATION AND OUTREACH.</b>	<b>Education Topic (Identify the issue your BMP is educating the public about.)</b>	<b>Outreach Method (Describe the method used to convey this topic, e.g. mailing, events, school, etc.)</b>	<b>Measurable Goal (What is the end result of this program? What indicator will determine the goal has been met? (e.g., number mailing sent, people at event, class participation, etc.)</b>
BMP-1 Storm Drain Stenciling Program	Non-Point Sources and Illegal Discharges	Storm Drains Stenciling	Number of storm water inlets painted and volunteers participating. The target is to have a minimum of 50 drains marked on yearly basis.
BMP-2 Annual Cleanup	Non-Point Sources	Volunteer and residents' participation	Number of tons of debris and recyclables collected during the cleanup events. The target is to collect 1 ton per year but to reduce the amount based in the success of the program.
BMP-3 Public Education Program	Illegal Discharges, Non-Point Sources and Erosion Control	Public Meetings, School Lectures	Number of residents attending the events. To target 200 students every year city-wide.
BMP-4 Community Hotline	Illegal Discharges and Non-Point Sources	Thru the general outreach activities, the Municipality encourages the use of the hotline to address the problems.	Number of calls and referrals to correct illegal discharges and non-point sources of pollution.
BMP-5 Social Media Education Campaign	Illegal Discharges, Non-Point Sources and Erosion Control	Posting of educational clips and messages in Facebook, Twitter, Instagram and Snapchat	Number of messages distributed, shared and viewed on a weekly basis.

**Part I. 2016 Stormwater Management Program (SWMP) Summary (continued)**

Public Involvement and Participation (See Section 2.4.3 for detailed information of required BMPs):

<b>MCM 2 – PUBLIC PARTICIPATION AND INVOLVEMENT</b>	<b>Program Description (Describe the program and how it will inspire public participation, e.g. special events, volunteer sampling and monitoring efforts, household hazardous waste</b>	<b>Measurable Goal (What is the end result of this program? What indicator will determine the goal has been met? (e.g., participation, amount of sampling performed, waste collected, etc.)</b>
BMP-1 Storm Sewer System Map	<p>Using information available from the USEPA, the Municipality contracted a local firm to build a map covering the urban area as defined by the US Census of 2010. Important attributes like the pipes diameter, construction materials, and gradients have been obtained for the system. The surveyors also identified areas of possible illegal connections and discharges. They involved the residents during the data collection activities.</p> <p>They have identified areas with problems of stagnant waters; including inlets and outfalls. The maps for downtown San Sebastián have been completed.</p>	<p>The task was completed by the contractor. 100% of the storm sewer system has been surveyed. The data is available in different electronic formats. As new developments occur city-wide, the data will be updated.</p>
BMP-2 Implement Regulations to Enforce Non-Storm Discharges	<p>The Municipality of San Sebastián is working to complete the approval and adoption of three (3) ordinances and their regulations addressing Illegal Discharges, and Erosion from Construction Projects.</p>	<p>It is expected that the ordinances and their regulations get approved by the end of 2016 or in the first semester of 2017.</p>
BMP-3 Meet with Local NGOs to Involve them in Stormwater Efforts	<p>The Municipality propose the use of public meetings through the community as a mean to request their involvement in the efforts coordinated by the administration.</p>	<p>The number of volunteers and the total number of communities covered during the public meetings.</p>
BMP-3 Develop and conduct periodical focus groups to discuss the current issues related to pollution from storm-waters	<p>The Municipality propose the use of focus groups through the community as a mean to request their involvement in the efforts coordinated by the administration.</p>	<p>The number of volunteers participating during the focus groups and the number of issues identified and fixed.</p>
BMP-4 Conduct Public Hearings to address Stormwater issues	<p>The Municipality propose conducting a yearly Public Hearing to address the most pressing issues related to pollution from Stormwater runoff.</p>	<p>The number of participants and issues identified and resolved as a result from the Public Hearing.</p>



**Part I. 2016 Stormwater Management Program (SWMP) Summary (continued)**

Illicit Discharge Detection and Elimination (See Section 2.4.4 for detailed information of required BMPs):

<b>MCM-3 - ILLCIT DISCHARGE DETECTION AND</b>	<b>Program Description (Describe the program and how it will identify and remove illicit connections from the MS4, e.g. new regulations, investigation</b>	<b>Measurable Goal (What is the end result of this program? What indicator will determine the goal has been met? (e.g., adoption of bylaws/ordinances, amount of investigation performed, identified</b>
BMP-1 Prepare and implement an ordinance targeting illegal discharges at the storm sewer system	The Municipality propose to present a local ordinance and the necessary regulation targeting illegal discharges into the storm sewer system.	The number of discharges identified and corrected on a yearly basis.
BMP-2 Adopt a Stream Program	The Municipality propose the development of an adoption program with local partners aimed to target one of the three water bodies located within the urban area of San Sebastián.	The number of streams or meters adopted and the improvement of the surface water quality of the streams.
BMP-3 MS4Web Permit Manager Tool	San Sebastián propose the use of the MS4Web Permit Manager as a mean to provide local residents and municipal managers with an internet based tool to access data on illegal discharges and all storm water outfalls in the city and how to address the issue of illegal discharges.	Number of residents and local managers using the Internet-based tool.
BMP-4 Used Oil Recycling Program	The Municipality of San Sebastián will implement the Cease the Grease Program as part of the city-wide effort to reduce the illegal discharge of used cooking oil in the storm sewer system and surface water bodies.	The number of gallons of used cooking oil recycled city-wide
BMP-5 Basic Surface Water Quality Monitoring Project	A basic surface water quality monitoring program will be established in a selected stream using parameters like pH, Temperature and Fecal Coliforms	Data from streams will be compared to data obtained on a regular basis by the PR Environmental Quality Board

**Part I. 2016 Stormwater Management Program (SWMP) Summary (continued)**

Construction Site Stormwater Runoff Control (See Section 2.4.5 for detailed information of required BMPs):

<b>MCM-4 CONSTRUCTION SITE RUNOFF CONTROL</b>	<b>Program Description (Describe the program and how it will help control stormwater runoff at construction sites,</b>	<b>Measurable Goal (What is the end result of this program? What indicator will determine the goal has been met? (e.g., adoption of bylaws/ordinances, amount</b>
BMP-1 Ordinance to control runoff from construction sites	The Municipality will prepare, approve and adopt an ordinance specifically targeting runoff from construction sites impacting the stormwater sewer system covered by the permit.	The number of interventions and sites corrected. 100% inspection rate city-wide.
BMP-2 Construction Sites Annual Inventory	Then Municipality is required to develop an inventory of all public and private construction projects. The local government propose the use of the MS4Web Permit Manager to create and maintain the inventory identifying all construction sites. The tool helps the local managers to update the information as needed. All documents associated with the projects will be added in PDF format during the inspections and will be ready available to the inspectors.	The number of projects identified and certified ion compliance with the permit.
BMP-3 Development of SOPs for Construction Permits.	The Municipality propose the development of a Construction SOP aimed to provide developers with new means to address regulation requirement and for inspectors to identify deficiencies during inspections.	Number of Projects city-wide visited and brought into compliance with local ordinance and USEPA regulations.
BMP-4 BMPs during construction Poster	The Municipality will prepare and distribute a poster aimed to contractors and construction projects with BMPs specifically design to reduce impacts to the stormwater runoff from construction activities.	A 100% coverage of active and permitted construction projects city-wide.

**Part I. 2016 Stormwater Management Program (SWMP) Summary (continued)**

Post-Construction Stormwater Management in New Development and Redevelopment (See Section 2.4.6 for detailed information of required BMPs):

<b>MCM-5 POST-CONSTRUCTION RUNOFF CONTROL</b>	<b>Program Description (Describe the program and how it will control stormwater runoff from properties after they are developed, e.g. new regulations, practices, or resources</b>	<b>Measurable Goal (What is the end result of this program? What indicator will determine the goal has been met? (e.g., adoption of bylaws/ordinances, amount of implemented practices, development</b>
BMP-1 Ordinance to control runoff pollution from post-construction projects	The Municipality will prepare, approve and adopt an ordinance specifically targeting runoff from post-construction projects impacting the stormwater sewer system covered by the permit.	The number of interventions and sites corrected. 100% inspection rate city-wide.
BMP-2 Standard Operating Procedures for Post-Construction Projects	The Municipality of San Sebastián propose to develop procedures to avoid runoff impacts to nearby surface waterbodies from stormwater controls located on completed construction projects. This will include impacts from retention ponds or non-covered areas prone to high rates of sedimentation.	Number of projects visited and certified in compliance with local ordinances and USEPA regulations.
BMP-3 Brochures	A series of brochures will be developed to be distributed among residents and managers of new and old housing and apartment projects city-wide aimed to educate them in good practices to avoid impacts to the existing stormwater infrastructure.	To distribute no less than 100 copies on a yearly basis.



**Part I. 2016 Stormwater Management Program (SWMP) Summary (continued)**

Good Housekeeping and Pollution Prevention in Municipal Operations (See Section 2.4.7 for detailed information of required BMPs):

<b>MCM-6 POLLUTION PREVENTION/GOOD HOUSEKEEPING OF MUNICIPAL OPERATIONS</b>	<b>Program Description (Describe the program and how it will mitigate stormwater runoff at municipal properties or through municipal activities, e.g. installation of structural stormwater controls on the municipal properties, new practices to reduce pollutant exposure to rain events, runoff</b>	<b>Measurable Goal (What is the end result of this program? What indicator will determine the goal has been met? (e.g., structural BMPs installed, SOPs developed and implemented, etc.)</b>
BMP-1 Trainings for Municipal Employees	The Municipality will provide trainings on BMPs for mechanics, green-areas workers, painters, electricians, and clerical employees on how to address simple issues identified in the daily tasks of Municipal Operations. The trainings will cover oil, paint and fuel spills, emergency response, good housekeeping, material storage, and record keeping.	The Municipality will provide their employees with two (2) workshops/trainings every year addressing BMPs and their responsibility under the USEPA-NPDES Permit.
BMP-2 SOPs for Municipal Operations	The Municipality will develop and implement the required Standard Operation Procedures for all the operations and maintenance activities conducted daily at Municipal Public Works. The SOPs will cover all activities that may have an impact on the NPDES-MS4 permit.	Number of inspections completed and certified in compliance with local ordinances and USEPA regulations.
BMP-3 SOPs for Municipal Facilities	The Municipality will develop and implement the required SOP for the operation of municipal facilities including parks and open space maintenance, sidewalks, streets and roads; and auto yards.	Number of inspections completed and certified in compliance with local ordinances and USEPA regulations.
BMP-4 Webinars on Water Quality BMPs	The Municipality propose offering a webinar to municipal employees on simple BMPs designed to protect their surface water resources.	The number of participants and efforts developed by the employees after the webinar.

## Part J. Application Certification and Signature

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.

Municipal Program Director:  \_\_\_\_\_

Print Name of Program Director: Luis Albaladejo Torres

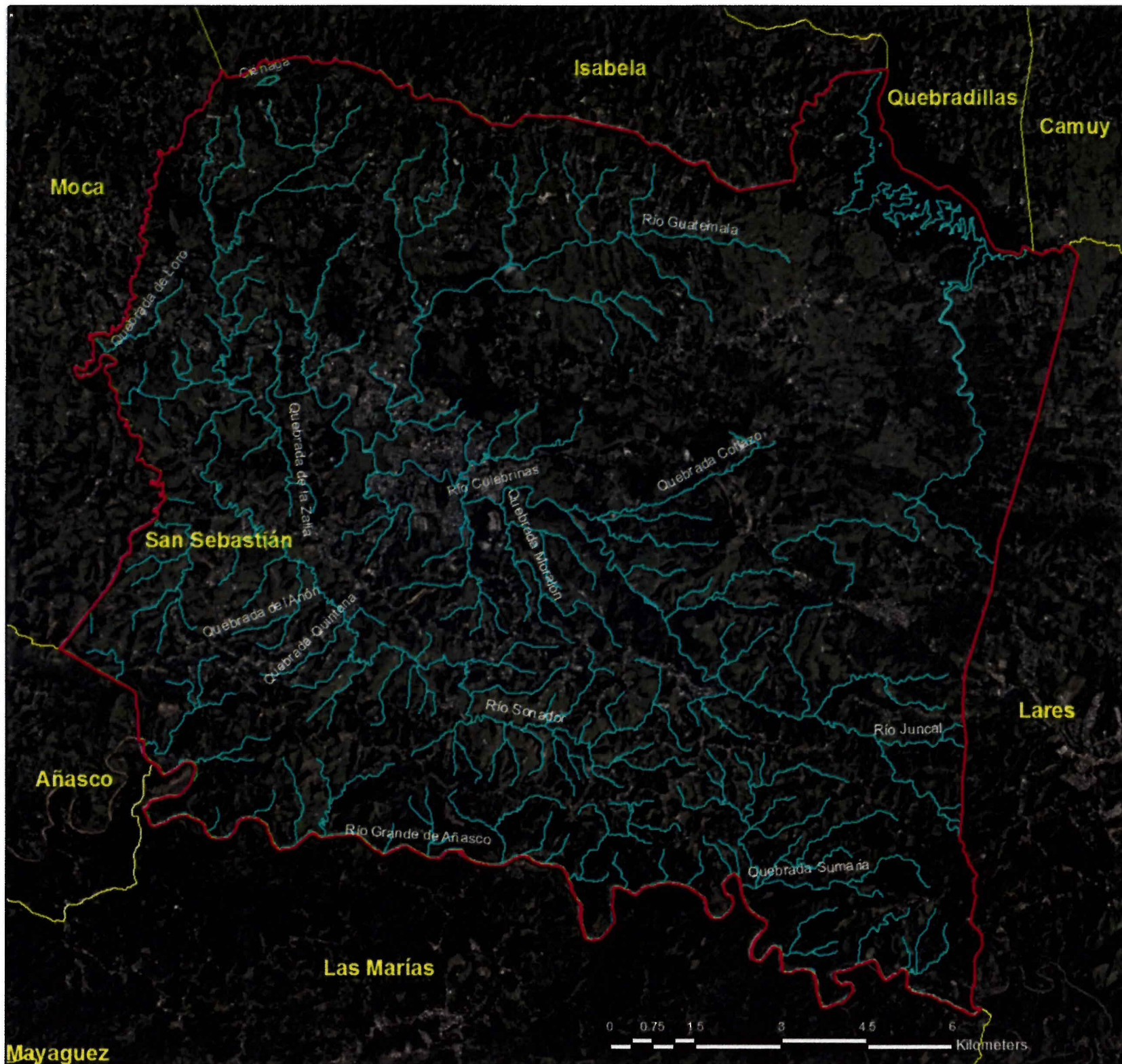
Signature of Mayor/Elected Official:  \_\_\_\_\_

Print Name of Mayor/Elected Official: Javier Jimenez Perez

Title: Mayor of San Sebastian

Date: September 28, 2016



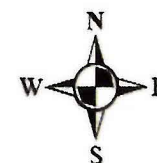


## San Sebastián Hydrography

### Legend

-  San Sebastián
-  Hydrography
-  Municipality

Projection: Lambert  
Coordinate System: NAD83 PR StatePlane



Source: JP  
1:90,313

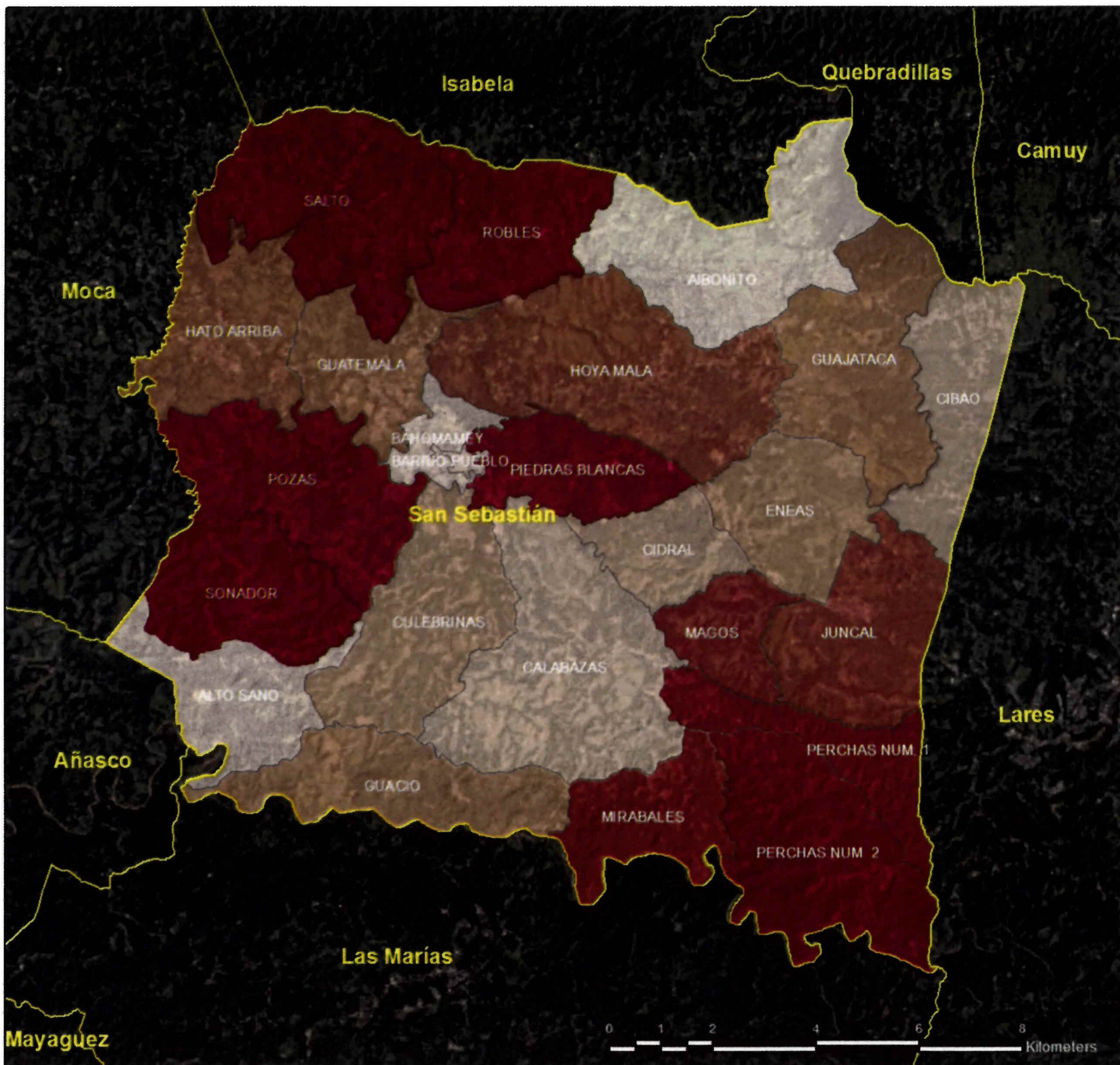


Puerto Rico



2016





## San Sebastián Wards & Bordering Cities

### Legend

-  Municipality
-  Wards

Projection: Lambert  
Coordinate System: NAD83 PR StatePlane



Source: JP  
1:100,000



Puerto Rico



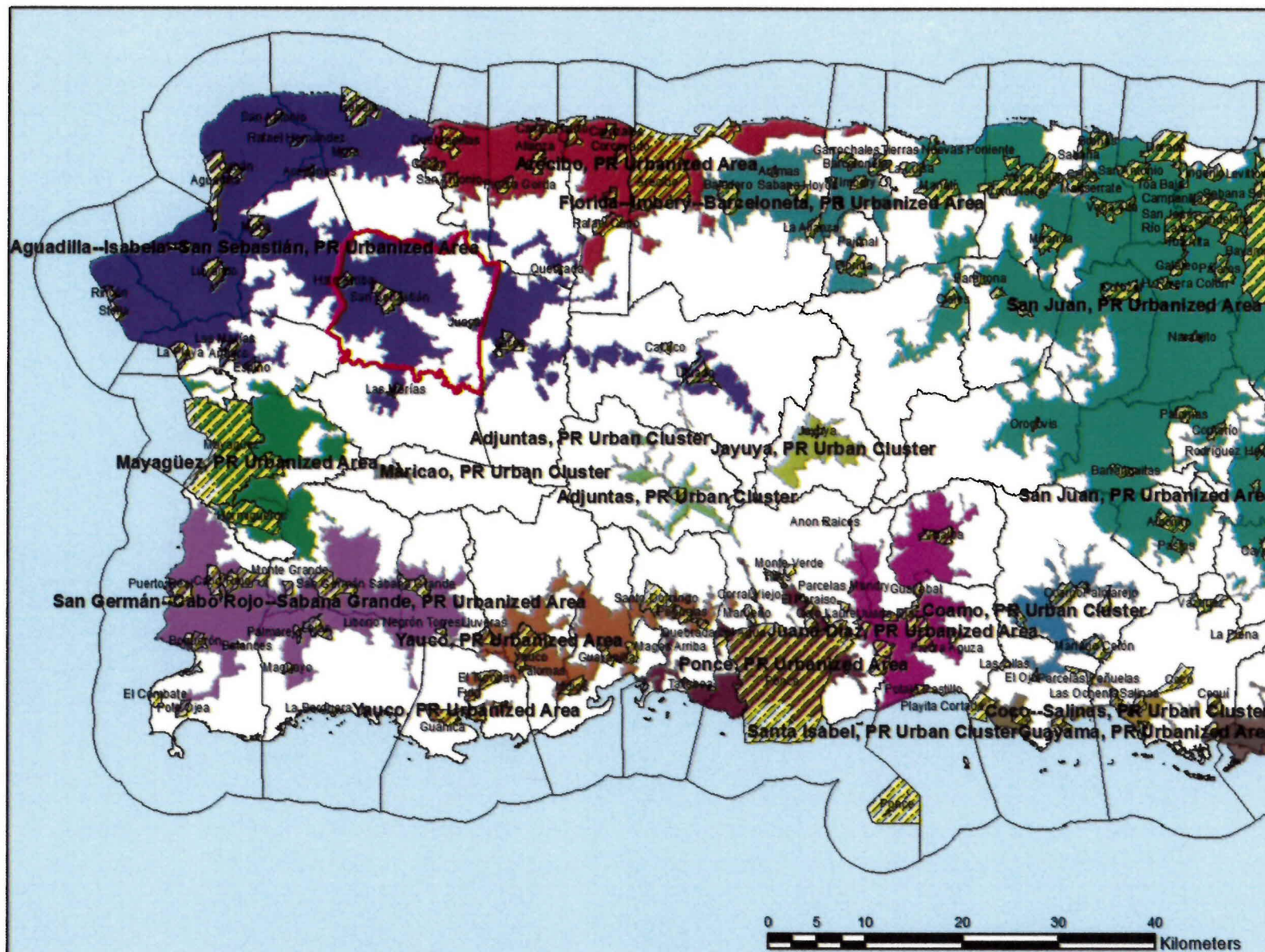
2016





# San Sebastián

## Census Urbanized Areas



### Legend

#### San Sebastián

San Sebastián

#### Urban Zones

Urban Zones

PR Urbanized Areas

Adjuntas, PR  
Aguadilla-Isabela-San Sebastián, PR  
Arecibo, PR  
Coamo, PR

Coco-Salinas, PR  
Emajagua, PR  
Fajardo, PR  
Florida-Imberty-Barceloneta, PR  
Maricao, PR

Guayama, PR  
Jayuya, PR  
Juana Díaz, PR  
Mayagüez, PR

Ponce, PR  
San Germán-Cabo Rojo-Sabana Grande, PR  
Santa Isabel, PR  
Vieques (Vieques Municipio), PR  
Yauco, PR

Mayagüez, PR  
Ponce, PR  
San Germán-Cabo Rojo-Sabana Grande, PR  
Santa Isabel, PR  
Vieques (Vieques Municipio), PR  
Yauco, PR

Projection: Lambert  
Coordinate System: NAD83 PR StatePlane



Source: JP, Census  
1:600,000



Puerto Rico



2016



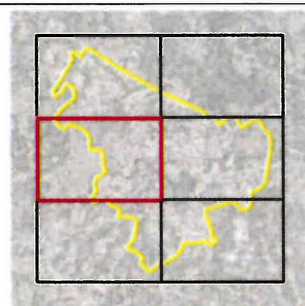
Municipality of San Sebastián, Puerto Rico  
NPDES Permit PRR040072  
MS4/NPDES Storm Sewer System Map 2015



**Legend**

- BOX(4)
- CB(88)
- HW(14)
- ⊙ MH(4)
- PLE(13)
- ▲ Tajeas(8)
- 10"(1)
- 12"(4)
- 18"(32)
- 24"(16)
- 30"(7)
- 36"(6)
- 48"(5)
- 48"x55"(1)
- 5'(1)
- 7"x66"(1)
- ??(35)
- Sumidero(1)
- Hydrology

Designated Areas



Page Name C2 Page 5 of 9



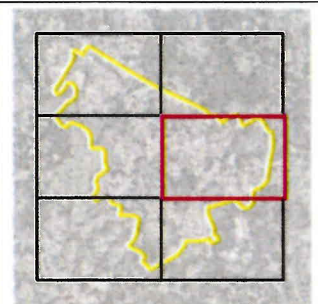


Municipality of San Sebastián, Puerto Rico  
NPDES Permit PRR040072  
MS4/NPDES Storm Sewer System Map 2015



**Legend**

- BOX(2)
- CB(164)
- HW(17)
- ⊙ MH(2)
- PLE(12)
- ▲ Tajeas(9)
- 10"(7)
- 12"(10)
- 18"(55)
- 21"(3)
- 24"(27)
- 30"(11)
- 32"(2)
- 36"(4)
- 42"(1)
- 48"(1)
- 5"(4)
- 8"(6)
- ??(52)
- Hydrology
- Designated Areas

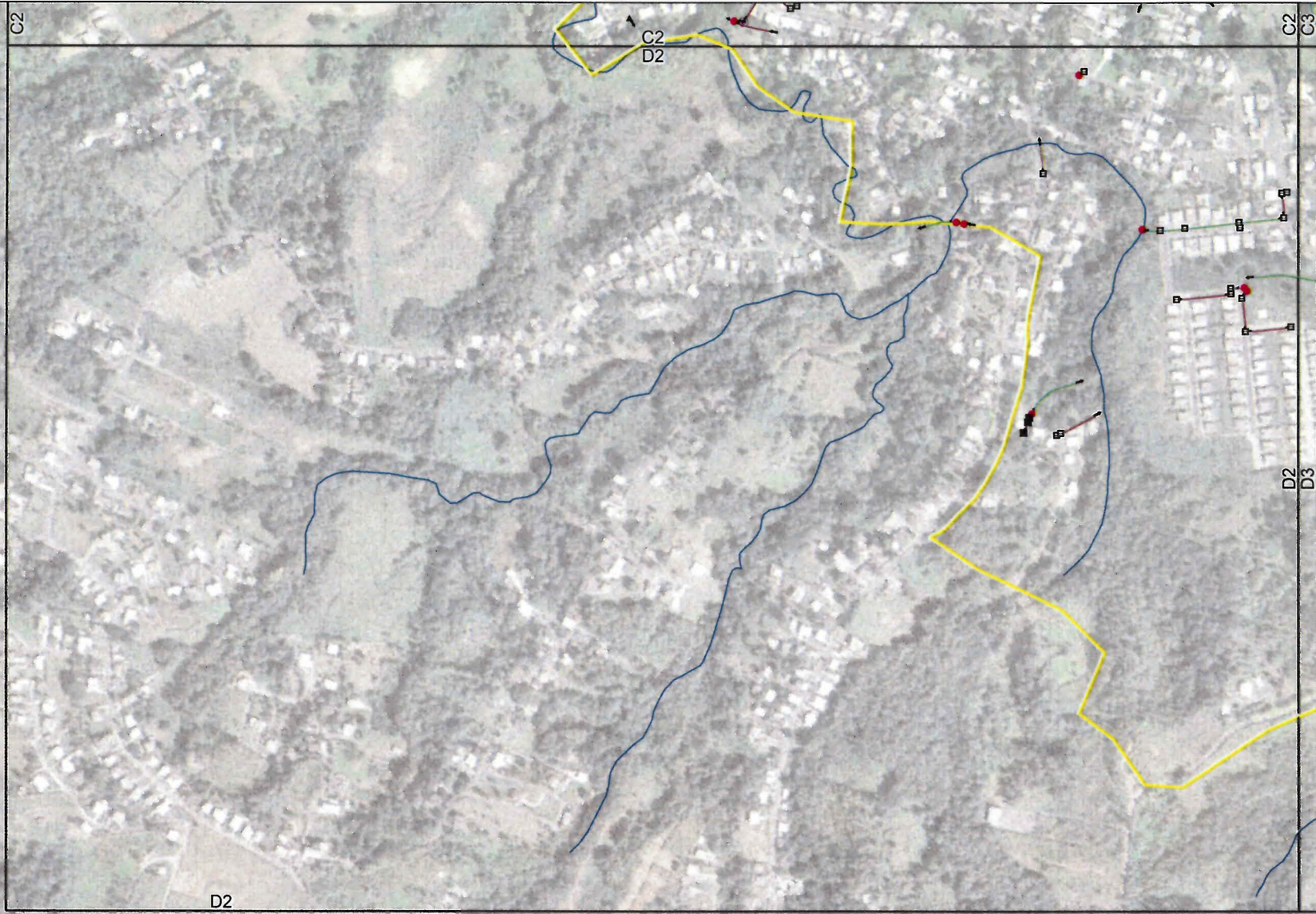


Page Name C3 Page 6 of 9

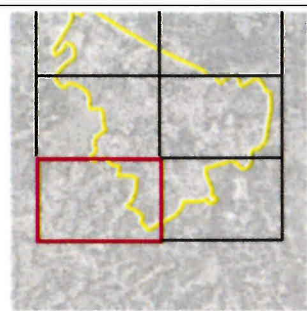




Municipality of San Sebastián, Puerto Rico  
NPDES Permit PRR040072  
MS4/NPDES Storm Sewer System Map 2015



- Legend**
- BOX(3)
  - ▣ CB(17)
  - HW(4)
  - PLE(3)
  - 12"(2)
  - 18"(8)
  - 32"x(1)
  - ??(6)
  - Hydrology
  - ▭ Designated Areas

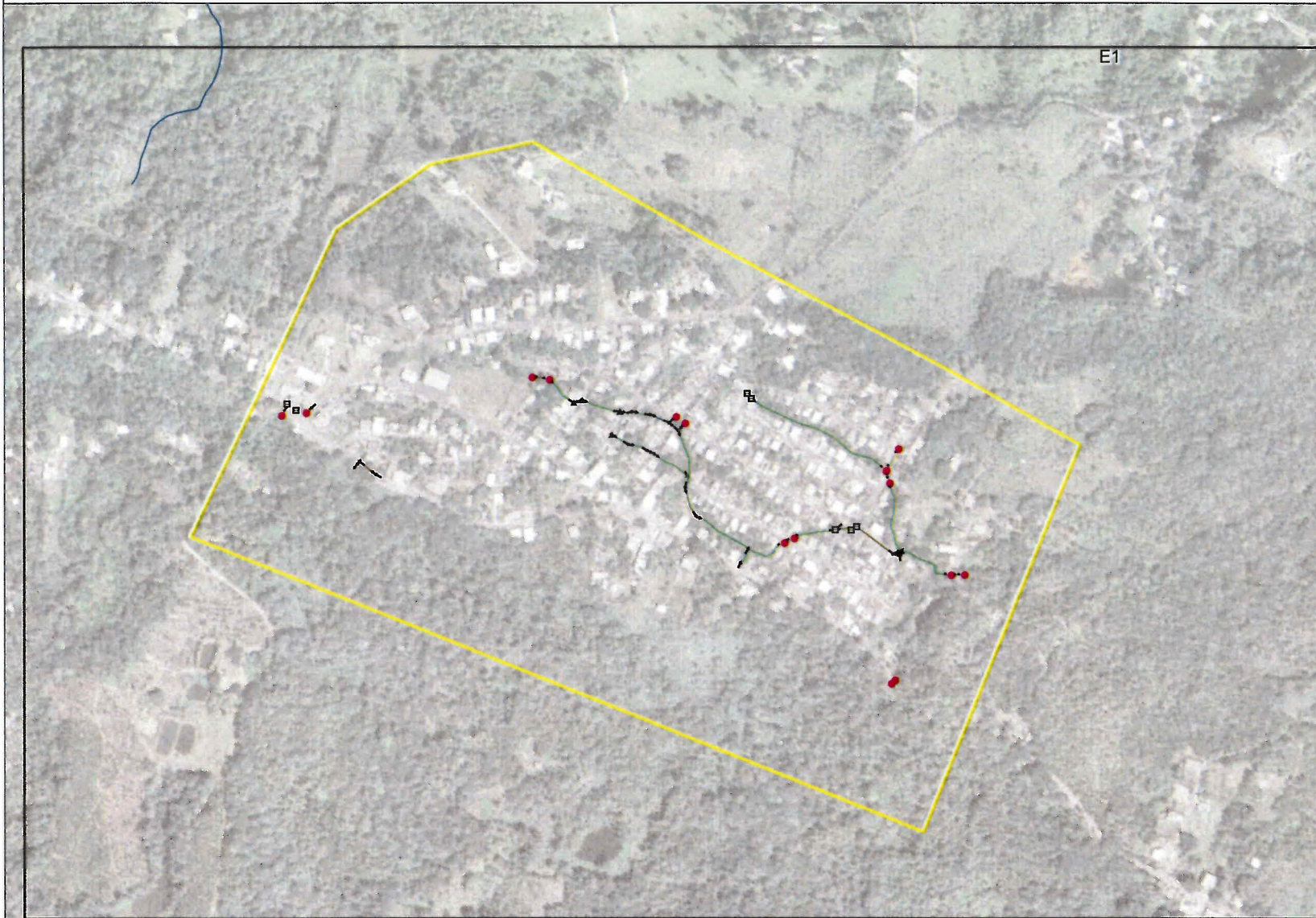


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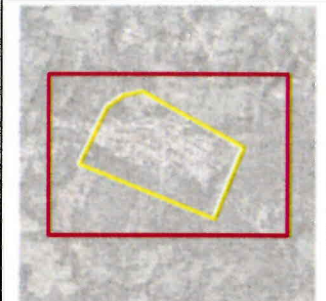


Municipality of San Sebastián, Puerto Rico  
NPDES Permit PRR040072  
MS4/NPDES Storm Sewer System Map 2015



**Legend**

- CB(7)
- HW(8)
- PLE(8)
- ▲ Tajeas(5)
- 12"(3)
- 18"(2)
- 24"(7)
- 30"(1)
- 30"x36"(1)
- 36"(6)
- 42"(1)
- 48"(1)
- 8"(1)
- ??(16)
- Sumidero(1)
- Hydrology
- Designated Areas

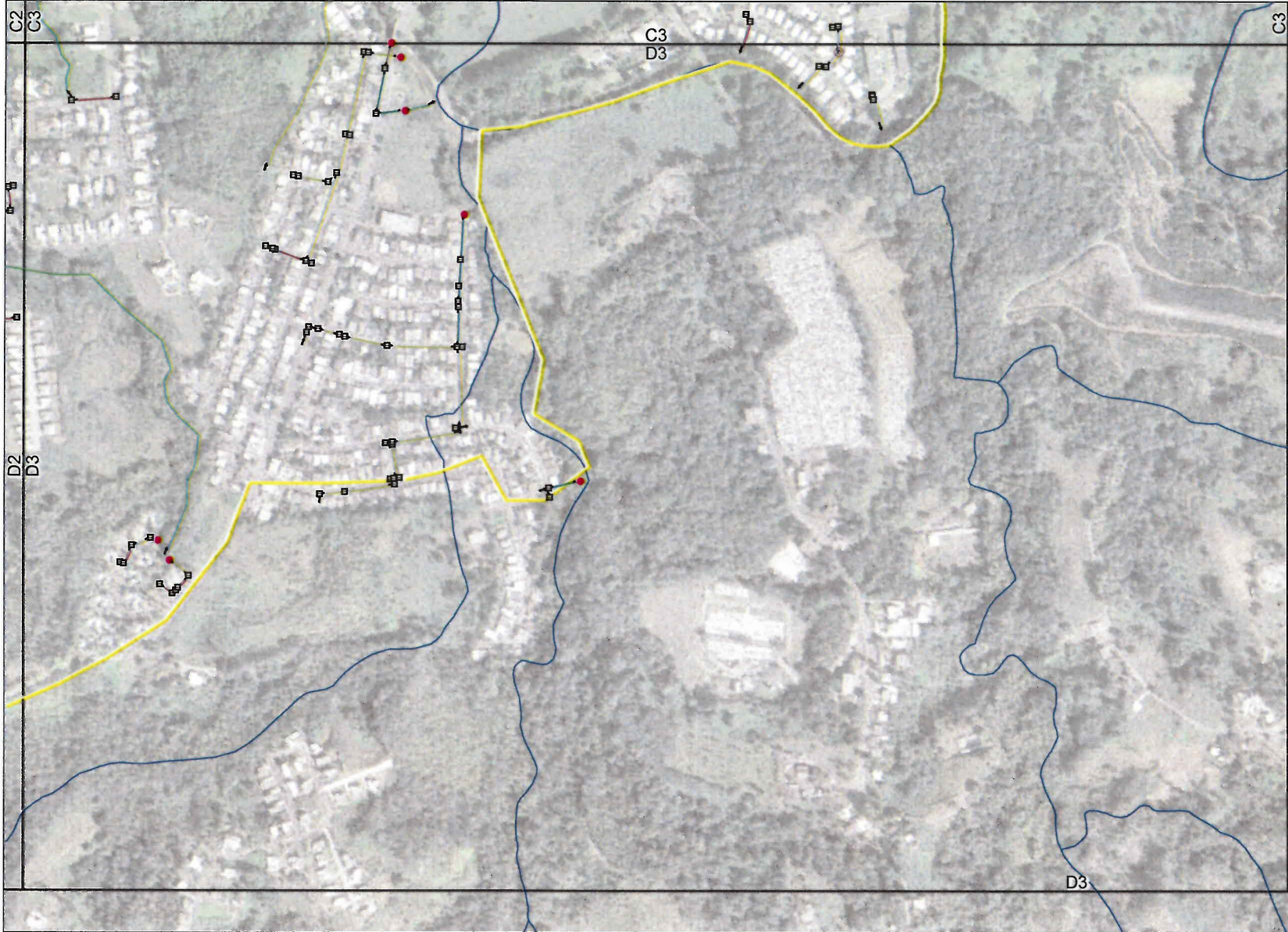


Page Name E1 Page 9 of 9



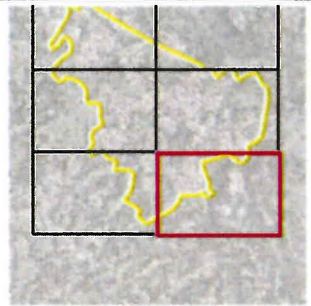


**Municipality of San Sebastián, Puerto Rico**  
**NPDES Permit PRR040072**  
**MS4/NPDES Storm Sewer System Map 2015**



**Legend**

- CB(55)
- HW(4)
- MH(1)
- PLE(3)
- 18"(8)
- 21"(1)
- 24"(26)
- 30"(6)
- 36"(1)
- ??(13)
- Hydrology
- Designated Areas



Page Name D3 Page 8 of 9



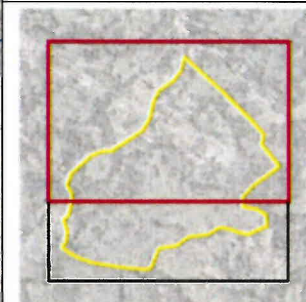
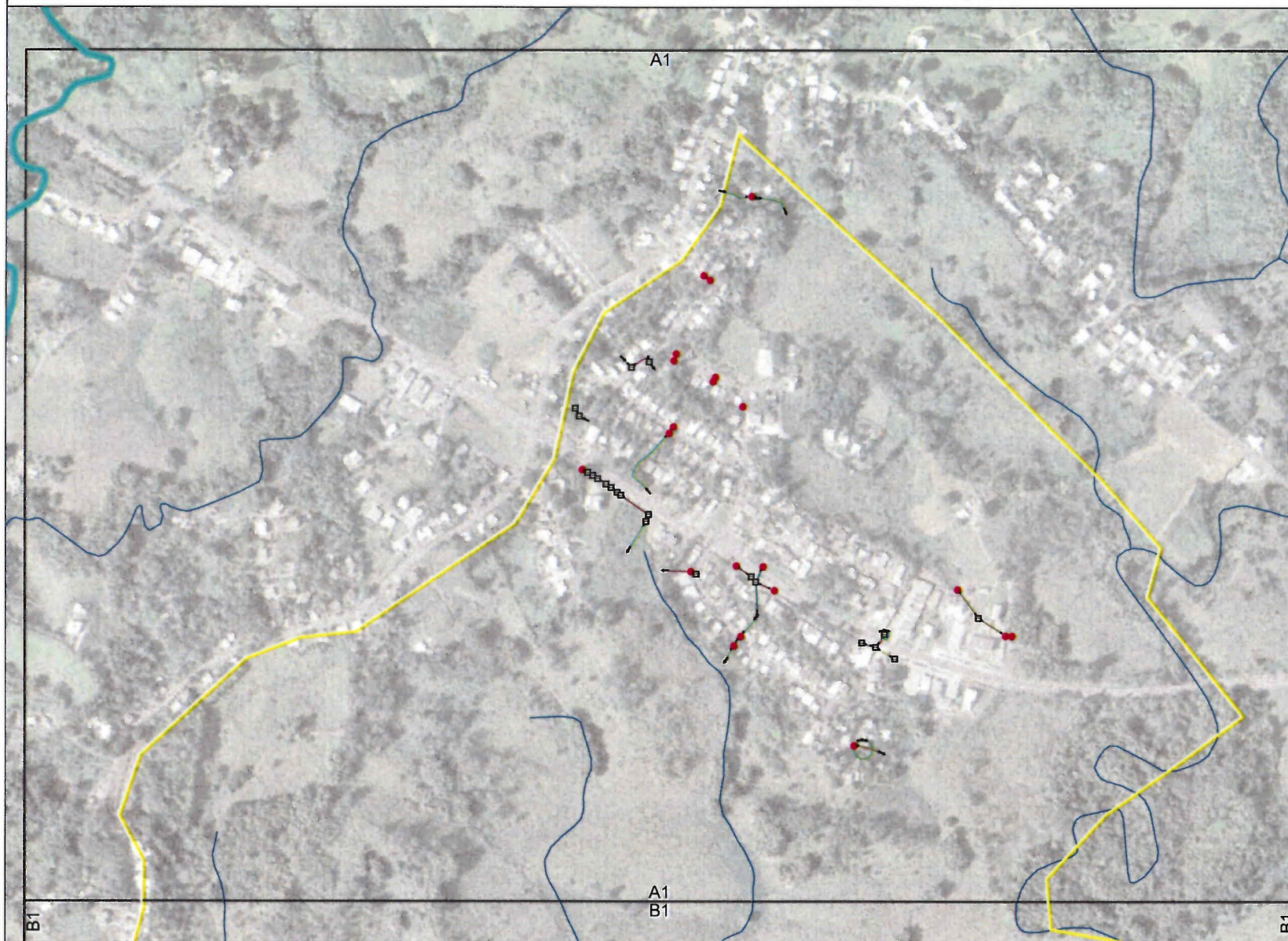


Municipality of San Sebastián, Puerto Rico  
NPDES Permit PRR040072  
MS4/NPDES Storm Sewer System Map 2015



**Legend**

- CB(21)
- HW(10)
- PLE(11)
- 10"(1)
- 12"(1)
- 15"(1)
- 18"(8)
- 24"(2)
- 30"(5)
- 30"x18"(3)
- 32"(1)
- 36"(5)
- ??(10)
- Hydrology
- Designated Areas



Page Name A1 Page 1 of 9

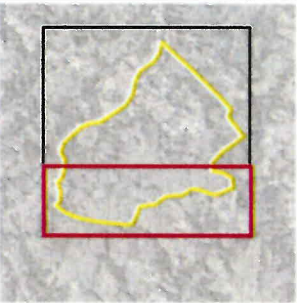
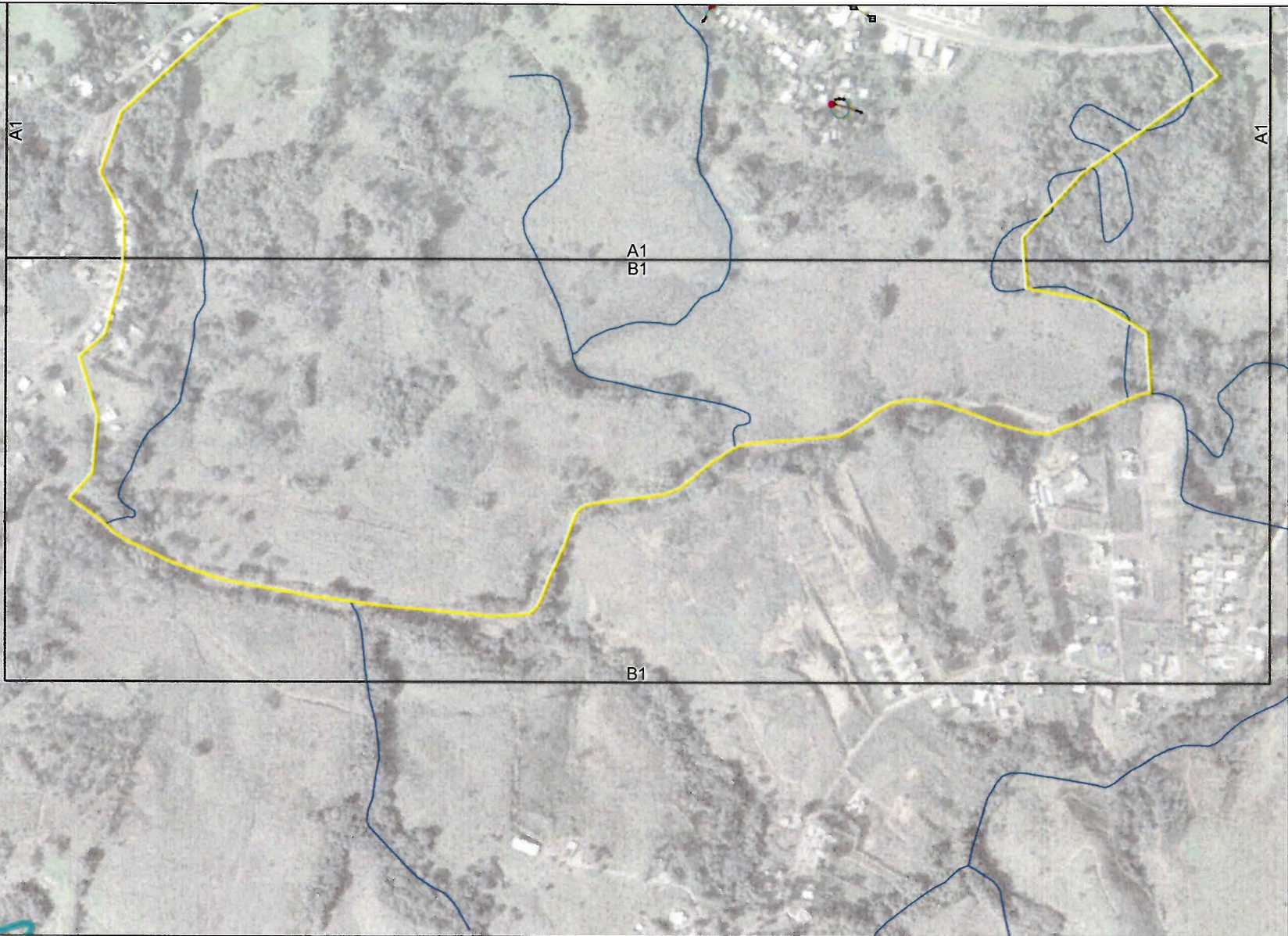




Municipality of San Sebastián, Puerto Rico  
NPDES Permit PRR040072  
MS4/NPDES Storm Sewer System Map 2015



**Legend**  
— Hydrology  
— Designated  
Areas

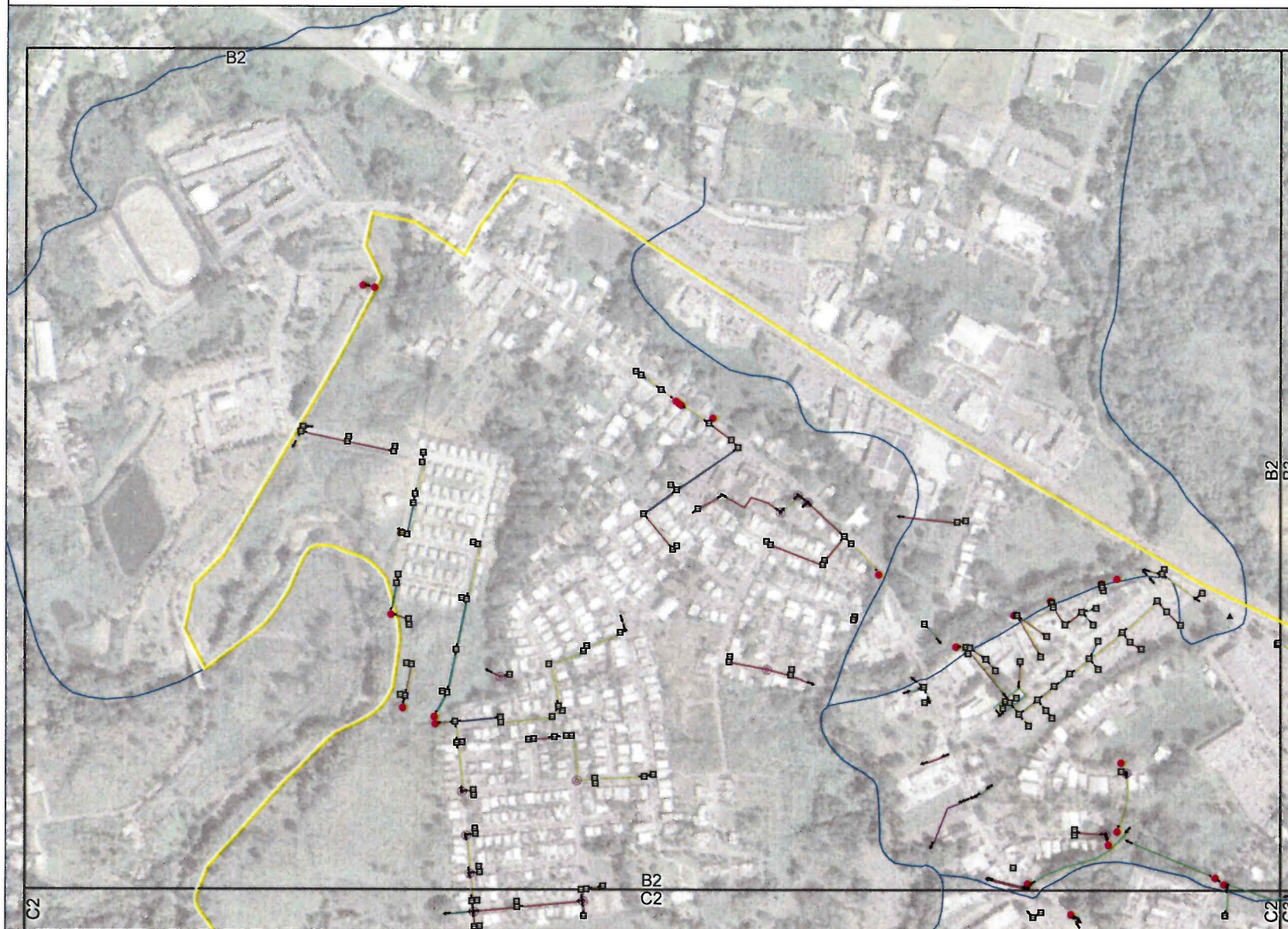


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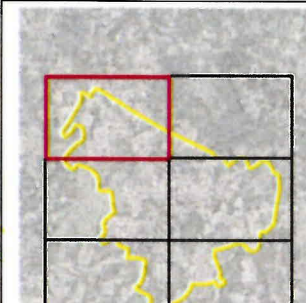


Municipality of San Sebastián, Puerto Rico  
NPDES Permit PRR040072  
MS4/NPDES Storm Sewer System Map 2015



**Legend**

- CB(134)
- HW(15)
- ⊕ MH(11)
- PLE(9)
- ▲ Tajeas(1)
- 10"(1)
- 12"(12)
- 15"(6)
- 18"(35)
- 24"(28)
- 28"(3)
- 30"(7)
- 36"(7)
- 5'(1)
- 6'(2)
- 6'(2)
- 64"x5'(1)
- 8"(1)
- ??(19)
- Hydrology
- Designated Areas



Page Name B2 Page 3 of 9



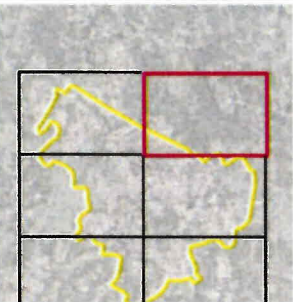


Municipality of San Sebastián, Puerto Rico  
NPDES Permit PRR040072  
MS4/NPDES Storm Sewer System Map 2015



**Legend**

- CB(22)
- HW(1)
- ⊙ MH(5)
- 10"(1)
- 18"(3)
- 24"(6)
- 28"(1)
- 30"(3)
- 42"(3)
- 8"(2)
- ??(6)
- Hydrology
- Designated Areas



Page Name B3 Page 4 of 9



**BERRIOS MONTES**  
AGRIENSOR  
CONSULTOR  
LLC & SOLO



0 50 100 200 300 Meters