



**PROTECTING SAIPAN'S AGRICULTURE WHILE REDUCING DEMAND ON SAIPAN'S GROUNDWATER**  
KAGMAN WATERSHED PROJECT



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**Merienda**

- Ice Cream Sandwich




**Project Authorization**

- The Watershed Protection and Flood Prevention Act (Authorized Nov. 4, 1993)
- Federal Partner:
  - United States Department of Agriculture's Natural Resource Conservation Service
- Local Partners:
  - Commonwealth of the Northern Mariana Islands (CNMI) Department of Land and Natural Resources
  - Saipan and Northern Islands Soil and Water Conservation District




**Kagman Watershed**

- 3,750 Acre Watershed
- Largest Area of Farmland on Saipan
- Average of 2.5 acre farms with a few 10 acre farms.



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**Kagman Watershed**

- Flooding Area #1



**Flooding Area #1**



**Waterway A**

- Approximately 1,000 feet of buried concrete box culvert.



**Kagman Rd. Temporary Road Bypass**



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**Kagman Watershed**

- Flooding Area #2

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**Waterway B**

- Approximately 1,000 feet of rectangular concrete channel

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**Water Control Structure**

- Connection of Waterway A and B




**Kagman Watershed**

- Flooding Area #3



**Flooding Area #3**




**Waterway C**

- Approximately 1,100 feet of trapezoidal earthen channel




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**Kagman Watershed**

- Settlement Problems





**Settlement Problems**



**Waterway D and Sedimentation Basin**

- Approximately 1,500 feet of trapezoidal earthen channel
- Sedimentation Basin prior to exiting to the ocean



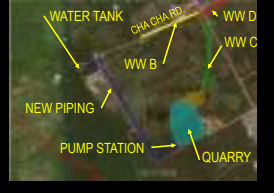
**Other Installed Infrastructure**

- 100,000 gallon water tank
- Irrigation distribution system



**Remaining Infrastructure**

- Additional Sedimentation Basin
- Conversion of an old Quarry to a 17 million gallon reservoir.
- Pump station and Piping to 100,000 gallon water tank.



**Questions?**

