STORMWATER DRAINAGE PLANNING

The Colonias of the Lower Rio Grande Valley (LRGV)

Located within the Counties of Cameron, Hidalgo, and Willacy

Phase 1A Report

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Executive Summary

The purpose of the Stormwater Drainage Planning project is to develop the necessary drainage planning required to "...examine the infrastructure needs in the Colonias, in particular the use of (Community Development Block Grant) CDBG disaster recovery funds to provide drainage improvements to correct flooding problems in the wake of Hurricane Dolly, and the historical provision of public infrastructure and housing assistance to meet those needs in border and non-border Colonias." The project area is defined as the Colonias in the Lower Rio Grande Valley (LRGV) area, consisting of Cameron County, Hidalgo County and Willacy County.

The project goal is to examine the drainage infrastructure needs of the Colonias and identify drainage study and infrastructure gaps that need to be filled in order address the drainage issues.

The project is focused on the evaluation of Colonias as defined by the Office of the Secretary of State (SOS). The term "Colonia," in Spanish means a community or neighborhood. The SOS defines a "Colonia" as, "a residential area along the Texas-Mexico border that may lack some of the most basic living necessities, such as potable water and sewer systems, electricity, paved roads, and safe and sanitary housing."

The LRGV has a history of severe flooding, and in recent years frequent flooding continues to damage structures and infrastructure in the area. Severe and frequent flooding is attributed to insufficient drainage systems, low permeability of the soils, and inadequate topographic relief causing extensive flood and economic damage throughout the LRGV. With continued growth, even yearly rainfall events quickly overwhelm the local infrastructure and cause flooding issues where the excess stormwater cannot reach the channels and ponds of the districts and counties charged with conveying stormwater to receiving waters. The Lower Rio Grande Valley Development Council (LRGVDC) has completed several regional planning studies to promote economic growth and recovery following natural disasters. These studies were utilized in the development of this study.

This Stormwater Drainage Planning project will be conducted in three phases. The first phase is the compilation of existing data to assess and prioritize the needs of the Colonias. **The purpose of the prioritization of Colonias is to ultimately identify the Colonias with the greatest need for drainage study and infrastructure necessary to address local drainage issues**. The prioritization process was established due to the limited available funding necessary to identify and provide solutions for all SOS Colonias. This report summarizes, Phase 1, the activities of this data collection and prioritization process. The prioritization criteria includes: jurisdictional information (population, city boundaries and drainage district boundaries); flooding information (historic flooding information, floodplains, soil survey, and low terrain analysis); infrastructure information (model subdivision communities and existing drainage infrastructure); and planning information (identified projects to alleviate flooding).

In an effort to obtain input from Colonia residents three public meetings were held, one each in Cameron, Willacy, and Hidalgo Counties. The public meetings were well attended by Colonia residents and local governmental officials. Presentations were made to inform attendees about the upcoming study and to receive public input. The team disseminated a questionnaire which helped to describe flooding issues experienced in their respective Colonias. This information will be used in our analysis as the study progresses. A website (www.lrgvdrainage.org) was developed for the project to keep the public informed and to share information with the stakeholders. As a result of these public meetings we received a favorable response from the public entities and obtained a large amount of data/studies that will assist us in future phases.

Through the process described above, the project team has identified Colonias with the highest risk of flooding and therefore the greatest need for drainage infrastructure. The implementation of the remaining project funds will be utilized to perform a regional (main) drainage system analysis to address the source of flooding for the prioritized hierarchy of Colonia needs. In addition, the team has developed an enhancement option to be considered if additional funds are available. The enhancement option would further the usefulness and benefits of this Stormwater Drainage Planning project, to address specific localized Colonia flooding.

Introduction

The name Lower Rio Grande Valley (LRGV) implies that the Counties of Hidalgo, Cameron and Willacy are located within what is "classically" known as a valley when in fact this area is actually the Rio Grande River delta. The delta is historically where the Rio Grande River has exceeded its banks and caused wide spread overland flooding as it flowed into the Gulf of Mexico. In addition, the Rio Grande River has formed natural levees near the banks such that runoff in the delta is forced to drain to the east rather than to the river.

The LRGV has a long history of severe and frequent flooding. Problems in recent years can be attributed to insufficient drainage systems, low permeability of the soils, blockage by transportation and irrigation infrastructure, and inadequate topographic relief. Because the LRGV is very flat the existing labyrinth of elevated highways, railroads, and canal embankments impede the ability of most areas to efficiently drain. The LRGV's evolution into an important international gateway and commerce center has brought additional changes to development patterns and transportation needs; therefore, causing adverse changes in runoff quantity and quality. With this growth, even yearly rainfall events quickly overwhelm the local infrastructure and cause flooding issues where the excess stormwater cannot reach the channels and ponds of the districts and counties. Much of the regional infrastructure was originally constructed to convey agricultural runoff with limited design capacity.

Listings of Colonias are maintained by multiple agencies. This project is focused on the evaluation of Colonias as defined by the Office of the Secretary of State (SOS). A file including the geospatial location of Colonias as displayed on the Attorney General of Texas Office (OAG) interactive web map was obtained. This file included Colonias from the OAG and SOS lists. The geospatial file was used to validate Colonias as identified in the SOS lists. This validation resulted in the identification of 988 Secretary of State Colonias located within the LRGV.

Many of the Colonias are integrated into existing communities, to form a "patchwork" quilt of interwoven communities. Typically the Colonias were established in low lying terrain that was no longer used for agriculture and was not the most suitable for development because these areas tend to collect runoff. The existence of low lying terrain combined with the lack of basic infrastructure results in severe drainage problems within the Colonias. Many of these Colonias flood with a couple inches of rainfall. The effects of major rainfall events such as hurricanes and tropical storms devastate these communities. The project goal is to examine the drainage infrastructure needs of the Colonias and identify drainage study and infrastructure gaps that need to be filled in order to address the drainage issues.

Major flooding events, like Hurricane Beulah (1967), Hurricane Allen (1980), Hurricane Gilbert (1988), Hurricane Dolly (2008), Hurricane Alex (2010) and other tropical events, have resulted in significant flood losses in the LRGV. In addition to wide spread flooding during the event, several areas in the LRGV take months to drain. As noted above, drainage district and county facilities also have limited capacity that may no longer be adequate. It is especially problematic for Colonias wherein infrastructure may be very limited in capacity or non-existent. The LRGV is in dire need of improved stormwater planning to alleviate the flooding problems.

Current Regional Drainage System

In addition to being positioned in a large, relatively flat river delta, Hidalgo, Cameron and Willacy Counties flood drainage ultimately consists of four existing regional drainage systems (Figure 1).

- **Rio Grande System** – This is a small system located in western Hidalgo County that drains approximately 200 square miles directly to the Rio Grande River. Approximately 30 SOS Colonias are located in this basin.
- **Raymondville / North Main Drainage System** – This is a large system that drains the majority of Hidalgo and Willacy Counties. The system drains approximately 1230 square miles to the Laguna Madre Bay. The Raymondville Drain is a man-made channel that is owned and operated by the Delta Lake Irrigation

District[1]. The North Main Drain is a man-made channel that is owned and operated by the Hidalgo County Drainage District No. 1 and Willacy County Drainage District No. 1[1]. This channel provides joint use for both Hidalgo and Willacy Counties. The original intent of these channels was to provide drainage relief to agricultural runoff for approximately a 10-year event. Approximately 580 SOS Colonias are located in this basin.

- **North Floodway / Arroyo Colorado System** – This is a large system that drains approximately 630 square miles of southern Hidalgo County and northern and central Cameron County, but whose primary function is to convey excess Rio Grande River flood water to the Laguna Madre Bay. The North Floodway is a man-made channel owned and controlled by the US International Boundary and Water Commission (IBWC) and serves a as relief channel to the Rio Grande River. The IBWC system consists of the Banker, Main and North Floodways. These floodways consist of a pilot channel between constructed levees that are alongside a series of resacas. The Arroyo Colorado is the natural Rio Grande River relief channel. The natural spill of Rio Grande River flood water is now controlled by the IBWC and mostly diverted through the North Floodway. Limited flood water is allowed to enter the Arroyo Colorado. East of Harlingen, the Arroyo Colorado is a natural channel with limited capacity that is tidally influenced near the Bay. Approximately 290 SOS Colonias are located in this basin.
- **Brownsville Area Systems** – The Brownsville area consists of a series of resacas and man-made channels connected by smaller drains and pumps with multiple outlets within an area of approximately 570 square miles draining to the Laguna Madre Bay. Much of the southern portion of the City of Brownsville and adjacent areas of Cameron County drain to the Port of Brownsville Ship Channel through a city maintained channel. A small portion of the southernmost area is drained to the Rio Grande River through an existing pump station. Approximately 90 SOS Colonias are located in this basin.

The IBWC floodway system (North Floodway and the Arroyo Colorado) are maintained by the federal government to handle large floods on the Rio Grande River, to reduce or eliminate the probability that the river will spill out of its banks and impact LRGV communities. The positive benefit of controlling Rio Grande River flooding has resulted in severe negative impact to local drainage during large river floods. Although the floodway system was constructed to handle excess Rio Grande River stormwater, the local entities use the floodways daily for irrigation runoff, wastewater effluent, and local stormwater runoff. When the floodways are utilized to convey river flow, the IBWC restricts local drainage from pipes and channels by closing gate structures. When the floodways are activated by IBWC, only water that can be pumped over the levee is allowed to enter the floodway. The restriction of flow from pipes and gate structures results in protection of local communities from IBWC floodwaters backing up into their community but also results in local stormwater having no place to go. If the communities do not have pumps to pump the water over the levee into the floodway, water sits in place until the IBWC opens the gates (a process that may take months).

An example of this negative impact was Hurricane Alex in 2010. Hurricane Alex produced severe flooding in Mexico that resulted in record flooding of the Rio Grande River. Therefore the IBWC activated the floodways and restricted local drainage. During the time that the floodways were activated, the LRGV was also impacted by a tropical depression. The flooding that occurred in the LRGV because the gates were closed was more severe than would normally be expected from the impacts of the local rains that fell in the area because the stormwater was unable to drain. The total of five hurricanes in the last fifty years has resulted in the IBWC closing the gates approximately once every ten years.

It is difficult to assess Colonia flooding issues without assessing the regional flooding impacts combined with the local flooding impacts. It is even more difficult to identify solutions for individual Colonias without evaluating how these solutions might affect other communities in the immediate vicinity who have similar issues and needs. The assumption of risk lies at the base of all potential drainage solutions, and consequently is at the heart of economic resilience in the face of disaster preparedness, response and recovery.

Colonias have not been the focus of previous LRGV drainage studies; therefore Colonia specific solutions have not been identified. In addition, the existing regional infrastructure is generally sized to handle 10-year storm events or less. The focus of this study is to evaluate specific needs and solutions for Colonias. A combination of regional and local analysis is recommended to understand the overall complexity of the problem, define each Colonia's level of risk, and identify comprehensive solutions.

Data Collection and Outreach

Collecting and reviewing existing data is one of the most important components of the study, as it ensures that previous efforts are not duplicated, and the investment in prior work is leveraged. Over the last 30 years, multiple studies have been undertaken by cities, drainage districts and counties to determine the problems and develop strategies to deal with them. These extensive flood and drainage studies have been completed throughout the LRGV, but are mostly independent of one another and deal primarily with watershed level issues.

Existing data resides within county offices as well as in other government agencies (e.g., cities, drainage districts, FEMA, IBWC, USACE, LRGVDC, etc.). Many of the LRGV stakeholders are already working together to tackle issues of regional concern, such as transportation, economic growth, water supply, and water quality. These issues are addressed in their respective planning efforts throughout the LRGV: the MPO Transportation Plan, the Economic Development plan, the Region M Water Plan, and the Arroyo Colorado Watershed Protection Plan. These regional and sub-regional planning documents were compiled and analyzed for content and usefulness regarding this project.

Public Outreach and Meetings

Multiple Local, State, and Federal agencies were contacted to obtain drainage and planning data for this project. Data requests from these entities included: identifying areas at risk of frequency flooding; identifying drainage challenges; locating available projects and studies that address these areas of risk; and providing the local drainage criteria used to develop the current projects and studies to alleviate drainage problems. The table below displays the entities that were contacted regarding planning information for this project.

Table 1. Data Sources / Stakeholders

LRGV Area	Hidalgo County
Lower Rio Grande Valley Development Council	Hidalgo County Planning Department
US Army Corps of Engineers Galveston District	Hidalgo County Drainage District
International Boundary & Water Commission	Hidalgo County Appraisal District
Natural Resources Conservation District	City of Alamo
Texas Water Development Board	City of Donna
General Land Office	City of Edinburg
Delta Lake Irrigation District	City of McAllen
Texas Secretary of State	City of Mercedes
Attorney General office of Texas	City of Mission
Residents	City of Pharr
	City of San Juan
	City of Weslaco
Cameron County	**Willacy County**
Cameron County	Willacy County
Cameron County Appraisal District	Willacy County Drainage District
Cameron County Drainage Districts	Willacy County Appraisal District
City of Brownsville	
City of Harlingen	

In addition to the outreach efforts with local agencies, three public meetings were held with local officials and Colonia residents to gather historical information such as flooding frequency, severity of flooding, high water marks, and rainfall totals related to those high water marks. This information will be vital to calibrate new hydrology and hydraulic models and flood inundation maps and therefore obtain public confidence in our technical results.

As part of the project outreach and preparation for public meetings, several project documents were generated. These documents included: a project fact sheet that provides the project's purpose and anticipated outcome; a frequently asked questions document that defines answers to anticipated questions from Colonia residents; project advertisements; news releases; and a project website. All developed information was posted to the project website at www.lrgvdrainage.org. A benefit of using this website was that the public could easily switch between English and Spanish at the click of a button. Data associated with the public meeting is documented in Appendix A.

The three public meetings were held on November 12, 13, and 14, 2013. In addition to gathering informing for the planning effort, these public meetings served as another mechanism to raise awareness and understanding about the project. The first public meeting was held in Hidalgo County at the Pharr Event Center. Over 70 people attended this November 12, 2013 meeting. Approximately 35 people attended the second public meeting on November 13, 2013 in Willacy County at the San Martin Cavasos Center in Sebastian. The final meeting was held on November 14, 2013 in Cameron County at the San Benito Library. Over 40 people attended this meeting. Meeting attendees listened to a short presentation to gain information about the project and potential outcomes of the study. They were also asked to share any information they might have regarding drainage problems within the Colonias. Although a limited number of Colonia representatives attended the meetings, Colonia representation was considered successful with over 145 attendees and approximately 55 completed comment forms obtained. The presentation slides, template comment form, and sign-in sheets are located in Appendix A.

The team understands that the best tool for assessing risk is asking for first-hand knowledge of the problems. Each attendee received a comment form that asked the following questions.

- Do you have flooding problems in your area?
- What kind of flooding problems do you have? (Flooding during a small rain event, big rain event, hurricane? How often?)
- What is the highest depth of water you have seen in your Colonia? (feet or inches)
- Does the water drain or does it dry out over time?
- How long does it take to try out if does not drain?
- Please provide photographs of flooding problems and high water in your Colonia.

Using the 55 completed comment forms, the team was able to generate a geospatially referenced file that recorded the location and identified drainage problems within each Colonia. This spatial file allowed for the team to easily manage, view and analyze the data. By creating a spatial file of the multiple public comments, all the data can be accessed and read concurrently.

Reference Studies

The Lower Rio Grande Valley Development Council (LRGVDC) was formed in 1967 as a regional planning organization. Since their inception, LRGVDC has completed several regional planning projects in utilizing federal and state programs. Two of the LRGVDC's studies were often referenced for this project. In November of 2011, the LRGVDC competed the Lower Rio Grande Valley Hurricane Dolly Recovery Program Needs Assessment.[2] The LRGVDC Needs Assessment was prepared in anticipation of Community Development Block Grant (CDBG) Disaster Recovery Housing funding by the Texas General Land Office. The LRGVDC used

quantitative data from federal, state and local agencies combined with public participation to identify areas which should be targeted for disaster funding. The history of the LRGV and the quantitative GIS data from this LRGVDC Needs Assessment was very useful in the development and data collection of this project.

In September of 2012, the LRGVDC completed the Lower Rio Grande Valley Regional Economic Adjustment Plan for Building Disaster Resilient Communities[1]. The LRGVDC obtained a grant from the US Department of Commerce – Economic Development Administration (EDA) to develop a regional master plan for the LRGV to promote economic growth and recovery following natural disasters. The goal of the project was to enable the LRGVDC "to collaboratively plan and manage their current and future public works infrastructure and storm water related systems in order to compete for global future funding." Through this effort the LRGVDC compiled and collected planning information regarding mitigation projects. This information along with the well documented history of flooding in the LRGV was an essential asset in the development of this project and recommended future phase approach.

One of the most important geospatial files utilized for this project was a shapefile of Colonias from the OAG interactive web map which includes all OAG and SOS Colonias. This shapefile included the geospatial location of Colonias as well as each Colonias database of record information from the OAG and TWDB. During the prioritization process it was discovered that a few of the Colonias were spatially incorrectly located. Using parcel information, the high priority Colonias were repositioned such that they were in the correct spatial location.

Study and Project Catalogs

Due to the abundance of collected studies that address drainage and identify flood mitigation projects, it became clear that this data should be cataloged in a single format to allow analyst to quickly assess each study. Likewise, most of the obtained studies resulted in multiple proposed mitigation projects that also needed to be cataloged. It was determined the best format for these study and project catalogs would be a Geographic Information System (GIS) database called a geodatabase. The use of the geodatabase enabled the team to catalog each obtained drainage study and project to a geospatial location. These catalogs were ultimately utilized in the prioritization of Colonias. The data collected in each catalog is explained below in Tables 2 and 3. The GIS database that contains the study and project catalogs is located in Appendix B. Appendix B also contains a listing of final studies and projects that were included in the catalogs.

Table 2. Study Catalog Information

Study/Report Catalog	Field Type	Notes:
Report/Study Title	text	List report or study title.
Report/Study Date	date	List report or study completion date.
Report Available	yes/no	Is the report available?
Model Available	yes/no	Is the model available?
Model Platform	text	What modeling platform was used? (HMS, RAS, XP-SWMM, ICPR, etc.)
Model Run	yes/no	Does the model run?
Geospatial model	yes/no	Is the model geospatial?
Spatial Data Available	yes/no	Is the geospatial data available?
Projects Identified	yes/no	Did the report/study identify projects for flood mitigation?
Projects Designed	yes/no/varies	Were the identified projects analyzed/designed? Ready for construction?
Projects Funded	yes/no/varies	Is funding secured for projects?
Funding Source	text	List the funding source. (FEMA, USACE, Bond, etc.)
Projects Implemented	yes/no/varies/in progress	Has the project been constructed?

Table 3. Project Catalog Information

Identified Project Catalog	Field Type	Notes:
Projects Identifier	text	List project name or identifier.
Project Planned	yes/no	Was the identified project analyzed/designed? Ready for construction?
Project Cost	cost	How much does the designed project cost?
Funding Secured	yes/no	Is funding secured for project?
Funding Source	text	List the funding source. (FEMA, USACE, Bond, etc.)
Project Implemented	yes/no/in progress	Has the project been constructed?
Project Impact	text (120 characters)	Briefly explain the impact or results of project.
Report/Study Title	text	List report or study title.
Report/Study Date	date	List report or study completion date.
Report Available	yes/no	Is the report available?
Model Available	yes/no	Is the model available?
Model Platform	text	What modeling platform was used? (HMS, RAS, XP-SWMM, ICPR, etc.)
Model Run	yes/no	Does the model run?
Geospatial model	yes/no	Is the model geospatial?
Spatial Data Available	yes/no	Is the geospatial data available?
Design Sheets Available	yes/no	Are the project design plans available?
Design Format	text	What is the format of the design plans? (PDF, CADD, GIS, etc.)
Design Status	0, 30%, 60%, 90%, 100%	What is the status of the design?
Survey Available	yes/no	Is survey data available?
Survey Data Format	text	What is the format of the survey data? (PDF, ASCII, text, CADD, etc.)

Terrain and Base Map Data

LiDAR data was obtained in the three county area from TWDB's Texas Natural Resource Information System (TNRIS). Ground surface elevations were extracted from the provided LiDAR to generate a seamless bare earth terrain dataset. This dataset was compiled as part of the prioritization data and will be utilized in future phases of this project. This terrain allows analysis on any scale, from local to regional, as Colonias' size and complexity vary from Colonia to Colonia. The LRGV LiDAR source information provided by the TWDB's TNRIS Group is displayed in Figure 2 and listed in Table 4.

Table 4. LiDAR Source Information

Year	Source	Accuracy (Meters)
2004	Hidalgo FCD	1
2008	USGS	1.2
2011	USGS	1.5
2006	IBWC	0.7
2011	IBWC	0.7

In addition to the study and project specific data, geospatial data from State and Federal agencies were compiled to develop the base map data for this LRGV project. This base map data includes roadways, drainage lines, parcel boundaries, jurisdictional boundaries, soils, etc. Geospatial files, such as the LRGVDC's Needs Assessment information that was used to identify target outreach areas, are included in the geodatabase. These geospatial files are included in the geodatabase located in Appendix B. All project data was compiled in a single geodatabase and projected to State Plane 4205 (feet).

Colonia Prioritization

Many Colonias (OAG and SOS) in the LRGV desperately need improved stormwater infrastructure to alleviate flooding problems. The LRGV is also challenged by the lack of available funding to prepare studies, design

solutions, and implement proposed projects. Due to the potential of limited available funding, this project required the development of an unbiased evaluation and prioritization of Colonias. The Colonias prioritization criteria were established to identify Colonias with the greatest need for drainage study and infrastructure necessary to address the drainage issues.

Prioritization Criteria

The prioritization criteria includes: jurisdictional information (population, city boundaries and drainage district boundaries); flooding information (historic flooding information, floodplains, soil survey, and low terrain analysis); infrastructure information (model subdivision communities and existing drainage infrastructure); and planning information (identified projects to alleviate flooding). The jurisdiction information was used to determine the likelihood of each Colonia for potential funding sources. The prioritization criteria of flooding information was developed using multiple sources because it was it was apparent that flooding occurs beyond the boundary of delineated floodplains. Extra criteria were added to the prioritization process to identify Colonias that were outside the regulatory floodplains but were still at risk of flooding. The infrastructure information was used to determine the Colonias that have some infrastructure in place to alleviate flooding versus Colonias that lack drainage infrastructure. The planned projects database provides insight about previous studies or proposed projects that were identified to mitigate flooding.

Below is a description of the data sources use to define the prioritization criterion as well as an explanation of the prioritization score as indicated in Table 5. The final geospatial files used for the prioritization of Colonias are located in the geodatabase in Appendix B. Graphics displaying the results of each of the criteria are included in the figures section of this report.

- **City Boundaries** – The city boundaries from the LRGVDC Needs Assessment[2] are considered the best available data for this criterion. The Cameron County extra territorial jurisdiction (ETJ) boundaries were incomplete and therefore supplemented with an ETJ shapefile obtained directly from Cameron County. Each Colonia was identified as: outside the city limit, inside the city ETJ, or inside the city limit. Higher priority was given to Colonias outside the city limits as they were determined to have a greater need for funding than a Colonia inside a city limit would have. Any Colonia located inside a city limit assigned negative points. The negative points essentially place these Colonias at the bottom of the priority list. Planning meetings identified Colonias within a city limit under the responsibility of the City rather than the focus of need for this study.
- **Drainage District Boundaries** – The Hidalgo County drainage district boundaries were compiled from the Hidalgo County Drainage District 1 (HCDD1). The Willacy County drainage district boundaries were compiled from the LRGVDC Needs Assessment[2]. The Cameron County drainage district boundaries were obtained directly from Cameron County. Each Colonia was identified as outside or inside a drainage district boundary. Colonias outside the drainage district boundaries were given a higher priority as they have a greater need for funding sources for drainage improvements.
- **Population** – The Colonia shapefile obtained from the OAG included a TWDB population field that was utilized for this criterion. The populations were divided into five ranges. Higher populated Colonias resulted in higher priority due to a higher population at risk.
- **Historic Flooding** – Several sources of information were utilized for this criterion. High water marks and insurance claims throughout the LRGV were obtained from the TWDB. In addition, the information obtained through the public meetings was cataloged with a geospatial location and description of flooding. Finally the Colonia shapefile obtained from the OAG included a field that identified if the Colonia experienced historic flooding. Each Colonia was identified as having frequent, occasional or rare historical flooding. If any of the source datasets identified a Colonia as experiencing frequent historic flooding, then the Colonia was given the highest priority. If a Colonia had conflicting classifications from multiple sources, the Colonia was assigned the highest priority.

- **Floodplains** – This criterion is based on the current effective Hidalgo County and preliminary Willacy and Cameron County flood insurance rate maps (DFIRM) obtained from FEMA. The preliminary Cameron County DFIRM does not incorporate recent floodplain studies prepared for the Cameron County Drainage Districts. Where applicable, these revised Cameron County floodplains were utilized as best available floodplain data. Upon evaluation of the Willacy County maps, it was evident that floodplains only existed near incorporated cities. Due to the lack of floodplain information within the county, a Raymondville Drain Analysis from the USACE and hand delineations of low terrain adjacent to Hidalgo and Cameron County floodplains were used at the best available floodplain data. Each Colonia was identified as: inside a regulatory floodway, inside the 100-year floodplain, inside the 500-year floodplain, or outside all floodplains. A higher priority was given to Colonias that are inside the regulatory floodway as they are most at risk of flooding. Colonias outside the floodplain were given the lowest priority within this criterion.
- **Low Terrain** – A seamless three county topography was developed for this criterion. GIS analysis tools were utilized to analyze the topography to determine areas where water naturally ponds. These resulting natural ponded areas identify Colonias that are located in low lying areas that are not likely to drain without drainage infrastructure. This analysis provided both an area and depth of natural ponding within each Colonia. Due to the roughness of the topography, areas with less than 0.5 feet of flooding were not considered as areas of ponding. A Colonia was classified as within "Low Terrain" if the Colonia had at least 0.5 feet of ponding in a minimum of 1% of the area. The degree of classification is dependent on the total area of ponding within each Colonia. A Colonia with 80% ponding was given the highest priority while a Colonia with 2% ponding is given the lowest priority.
- **Hydric Soil Survey** – Soil survey information for all three counties was obtained from Soil Survey Geographic database (SSURGO). Each soil type was assigned a hydric soil classification. Hydric soils (Types C and D) typically indicate that the area is prone to flooding. Each Colonia was identified as having A, B, C, D, or a combination of soil types. Hydric soils (Types C and D) were given a higher priority as they indicate flood prone areas.
- **Model Subdivision Community** – The Colonia shapefile obtained from the OAG included detailed information on the establishment dates of each Colonia. Colonias in Cameron County built after September 1990 were required to meet the minimum standards defined in the Model Subdivision code. Colonias in Hidalgo County built after 1998 were required to meet the minimum standards defined in the Model Subdivision code. Colonias in Willacy County built after June 1990 were required to meet the minimum standards defined in the Model Subdivision code. The minimum standards of the Model Subdivision code include drainage infrastructure therefore Colonias built after the standards were in place were given less priority than Colonias built prior to the code. Any Colonia identified as a Model Subdivision was assigned negative points. The negative points essentially place these Colonias at the bottom of the priority list. Colonias with drainage infrastructure have less need for funding and drainage improvements than those without.
- **Existing Drainage Infrastructure** – The Colonia shapefile obtained from the OAG also indicated whether or not each Colonia has existing infrastructure. Although the accuracy of this data is unclear, this documented information will be used as the best available data for this initial prioritization. Senate Bill 827 requires the Office of the Secretary of State to establish and maintain a statewide classification system to track state-funded projects related to water/wastewater, road paving and other assistance to Colonias[3]. As a result of SB 827, the OAG uses a coloring system to identify Colonias with basic infrastructure. Green indicates that all services are provided. Yellow indicates that the Colonia has existing water and waste water services, but is lacking adequate roadway, sanitary and drainage services. Red indicates that the Colonia is lacking services or has distressed areas. There were also some Colonias that were labeled as unknown. Using this coloring system, higher priority was given to Colonias that had lacking infrastructure than Colonias with all services.

- **Identified Mitigation Project** – The populated project catalog developed for this study was used for this criterion. The project catalog indicates if any mitigation projects have been identified, planned or constructed in the area. Colonias that have a funded mitigation project in their area were given less priority than Colonias without identified mitigation projects.

Prioritization Methodology

After identifying and collecting the data for the prioritization criteria, the planning team met to assemble weighted factors for each prioritization criteria. As some criterions were a better indicator of need, these criterions were assigned a higher weight. Each Colonia was given a score based on the prioritization table as displayed in Table 5. The score of each criterion was then multiplied by the assigned weighting factor. These multiplied scores were summed for a final weighted score for each Colonia.

All Colonias from the OAG Colonia shapefile were included in this prioritization process; however, the intent of this project was to focus on Colonias as identified by the Secretary of State. Only the Secretary of State Colonias were assigned a rank. Any Colonia located inside a city limit or identified as a Model Subdivision was assigned negative points. The negative points essentially place these Colonias at the bottom of the priority list. Planning meetings identified Colonias within a city limit under the responsibility of the City rather than the focus of need for this study. Similarly, Colonias with drainage infrastructure have less need for funding and drainage improvements than those without.

Using a geo-processing model through ArcGIS called Model Builder; the Colonias were prioritized and ranked using the matrix information scores and weights as identified in Table 5. An excel spreadsheet (Appendix C) was used to create the Weighted Prioritization Expression that was used in the Model Builder program. The Model Builder schematic is displayed in Appendix C. The Model Builder program generates a copy of the prioritization populated Colonias shapefile (Feature Class) and then processes the data using the Weighted Prioritization Expression. After each Colonia is assigned their total weighted score, the program then sorts and ranks the Colonias to generate the final Ranked Colonias shapefile (feature class).

Table5. Prioritization Matrix

Score	City Boundary	Drainage District	Population	Historic Flooding	Floodplains	Low Terrain	Hydric Soil Survey	Model Subdivision Community	Existing Drainage Infrastructure	Identified Mitigation Project
5	Outside City Limit	Outside	1000+	Frequent	Inside Floodway	> 75%	C & D	No	Red	No Project
4			500-999		100-year					
3	Inside City ETJ		250-499	Occasional		20-75%	A/D, B/D, & C/D	Unknown	Yellow or Unknown	Planned
2			100-249		500-year					
1	Inside City Limit (-500)	Inside	<100	Rare	Outside	1-20%	A & B	Yes (-500)	Green	Funded
Weight	**10**	**5**	**15**	**10**	**20**	**30**	**10**	**5**	**5**	**10**

Prioritization Results

As noted above all Colonias in the OAG database (which includes OAG and SOS Colonias) were assigned a total weighted score, however only the SOS Colonias were ranked. Utilizing the team's experience and knowledge of drainage problems in the LRGV, the initial prioritization results were evaluated for reasonableness. The intent of this evaluation was to ensure that Colonias with a known high priority need were also identified as a high priority using the prioritization matrix. Following multiple team meetings, the final prioritization matrix was identified and simulated.

The resulting prioritization scores and ranks for the 988 SOS Colonias are listed in Appendix C.2. Statistics for each prioritization criteria are also displayed in Appendix C.3. In the top 100 ranked SOS Colonias, 45%, 47%, and 8% are located within Hidalgo, Cameron and Willacy County, respectively.

- **City Boundaries** – Majority of the Colonias (663, 67%) are located within city ETJs. There are 74 (8%) Colonias located outside any city limit or city ETJ boundary. These 74 Colonias are considered having a greater need for funding than a Colonia inside a city limit. Of the 988 Colonias, 251 (25%) are located within a city limit. These 251 Colonias were assigned negative points (-500) to essentially place the Colonia at the bottom of the priority list. Planning meetings identified Colonias as within a city limit under the responsibility of the City rather than the focus of need for this study.
- **Drainage District Boundaries** – A significant number of Colonias (892, 90%) are located inside a drainage district boundary. There are 96 Colonias (10%) located outside of a drainage district boundary. These 96 Colonias were given a higher priority as they have a greater need for funding sources.
- **Population** – The Colonias population classifications were determined using the statistical distribution of Colonia populations. These population ranges are displayed in Table 5. There are 19 Colonias (2%) with a population greater than 1000; 44 Colonias (5%) with a population between 500 and 999; 92 Colonias (9%) with a population between 250 and 499; 290 Colonias (29%) with a population between 100 and 249; 261 Colonias (26%) with a population between 50 and 99; and 282 Colonias (29%) with a population of less than 50. Using these statistics, over 84% of the Colonias have a population less than 250. There are only 155 Colonias with a population greater than 250.
- **Historic Flooding** – After compiling all historical flooding sources, 90% of the Colonias (885) were classified as having frequent flooding. This number is high for two reasons. The first is that the majority of Colonia representatives will say they experience frequent flooding. The second is due to the multiple data sources acquired to define this criterion. When a Colonia had conflicting classifications from multiple sources, the Colonia was assigned the highest priority identified. There were 29 Colonias (3%) classified as having occasional flooding and 74 Colonias (7%) that experienced rare flooding. These results confirm that most Colonias do not have adequate drainage to alleviate frequent flooding.
- **Floodplains** – From the multiple data sources used to define floodplains in the LRGV, none of the Colonias were found to be inside a regulatory floodway. However, there were 256 Colonias (33%) inside the 100-year floodplains, and 255 Colonias (26%) outside of the 100-year floodplain but inside the 500-year floodplain. Surprisingly, 485 Colonias (49%) are identified as having no flood risk according to the current floodplains. As evident from the historic flooding criterion above, there is an obvious disconnect between the established floodplain and the Colonia's risk of flooding. The results of this criterion further validate the need for a regional drainage analysis within the LRGV.
- **Low Terrain** – It was believed that Colonias were typically established in low lying terrain that was no longer used for agriculture and was not the most suitable for development because these areas tend to collect runoff. The results of this criterion indicated that the 71% of the Colonias (697) were found to have at least 0.5 feet of ponding in less than 1% of the Colonia's surface area. This high percentage of Colonias with minimal ponded flooding indicates that the generalization of Colonias above may not be valid. Additional results indicate that 27% of the Colonias (272) were found to have at least 0.5 feet of ponding in 1% to 19% of the Colonia's surface area; 1.5% of the Colonias (15) were found to have at least 0.5 feet of ponding in 20% to 74% of the Colonia's surface area; and 0.4% of the Colonias (4) were found to have at least 0.5 feet of ponding in over 75% of the Colonia's surface area. These 4 Colonias were given highest priority because it is possible that they experience significant flooding.
- **Hydric Soil Survey** – Each Colonia was identified as having A, B, C, D, or a combination of soil types. Hydric soils (Types C & D) were given a higher priority as they indicate flood prone areas. 219 Colonias (22%) were found have hydric soils. 2 Colonias (0.2%) were found to have hydric soil combination (A/D, B/D, & C/D); and 767 Colonias (78%) were found to have non-hydric soils (Types A and B). As hydric soils

indicate flood prone areas, this criterion indicates that the majority of the Colonias do not display flood prone soil types. This result is contrary to other prioritization criterion results.

- **Model Subdivision Community** – Because several the establishment date of several Colonias was unknown, 200 Colonias (20%) were classified as unknown. Using known establishment dates, the majority (78%) of the Colonias (774) were classified as non-Model Subdivisions. These Colonias were given the highest priority as it was indicated that these Colonias lack adequate drainage infrastructure. Only 14 Colonias (2%) were classified as Modeled Subdivisions. Negative points were assigned to these 14 Colonias essentially placing them at the bottom of the priority list, because Colonias with drainage infrastructure have less need for funding and drainage improvements than those without.
- **Existing Drainage Infrastructure** – The OAG Colonia infrastructure classification as directed by SB 827, was used to classify each Colonia. There were 342 Colonias (34%) marked as Green which indicates that all basic infrastructure services are provided. There were 255 Colonias (26%) marked as Yellow which indicates that the Colonia has existing water and waste water services, but is lacking adequate roadway, sanitary and drainage services. 146 Colonias (15%) were marked as Red which indicates that the Colonia is lacking services or has distressed areas. There were also 145 Colonias (25%) that were labeled as unknown. Using these OAG classifications, higher priority was given to Colonias that were lacking infrastructure than Colonias with all services. The SOS defines Colonias as residential areas that lack basic necessities, however this criterion indicates that 34% of the Colonias have basic infrastructure.
- **Identified Mitigation Project** – The newly developed LRGV project catalog indicates if any mitigation projects have been identified, planned or constructed in the area. It was found that 369 Colonias (37%) were located where a funded mitigation project has been designed or implemented. The majority (53%) of the Colonias (520) are located where a mitigation project has been planned, but funding for implementation has not been obtained. Finally, there were 99 Colonias located where no mitigation projects were identified. Those Colonias that do not have a funded mitigation project in their area were given higher priority than Colonias with identified or funded mitigation projects. The high number of Colonias that are located where an identified or funded mitigation project has been identified is indicative of the widespread LRGV flooding problems.

Conclusions and Recommendations

The focus of this study is to evaluate specific needs and solutions for Colonias. A combination of regional and local analysis is recommended to understand the overall complexity of the problem, define each Colonia's level of risk, and identify comprehensive solutions. The prioritization process was established to identify Colonias with the greatest need for drainage study and infrastructure necessary to address the drainage issues. The implementation of the remaining project funds will be utilized to perform a regional (main) drainage system analysis to address the source of flooding for the prioritized hierarchy of Colonia needs. In addition, the team has developed an enhancement option to be considered if additional funds are available. The enhancement option would further the usefulness and benefits of this Stormwater Drainage Planning project, to address specific localized Colonia flooding. The scope of work for the Implementation Plan and Enhancement Option are located in Appendix D, Scope of Work.

Phase 2 Implementation: Existing Regional (Main System) Analysis and Impact to Colonias

The purpose of regional analysis is to evaluate the regional nature of the flooding problems associated with the main drainage systems in Hidalgo, Cameron, and Willacy Counties and quantify the impact to individual Colonias. It is evident that a broader scale, regional analysis combined with a local analysis within specific Colonias is essential to examine the full spectrum of drainage infrastructure needs of the Colonias and identify holistic solutions to those problems. The assumption of risk lies at the base of all potential drainage solutions, and consequently is at the heart of economic resilience in the face of disaster preparedness, response and recovery. This regional analysis provides the following benefits:

- **Consistent, Accurate, and Defendable** – Provide consistency in using a single seamless topography dataset, common modeling platforms and approaches, geospatial quantitative data that are developed for a common purpose. Accurate simulation of historical events will encourage public acceptance and confidence in modeling results.
- **Drainage Standards and Level of Risk** – Adoption of uniform local and regional drainage criteria throughout the LRGV that could be applied to the local drainage solution for each Colonia. In addition this will enable the LRGV to adopt "acceptable probability of flooding" criteria for the Colonias within each drainage system based upon capacities of the regional systems and corresponding outfalls.
- **No Adverse Impact** – Assure that all proposed drainage solutions for any particular Colonia or group of Colonias will not compound upstream and downstream flooding issues.
- **IBWC Operations** – Provide IBWC accurate updated information to assess potential gate operation or local connection alternatives to mitigate impacts to the entire region.

Counties and most cities/drainage districts within the LRGV have now adopted development standards that require new construction to be elevated one or two feet above FEMA's 100-year floodplain elevations. However, adoption of such criteria has recently occurred and enforcement may be somewhat inconsistent, especially in unincorporated areas. The previous lack of local and/or regional standards combined with existing development that has limited or no drainage infrastructure has resulted in significant flood risks for multiple communities and structures.

Planning efforts within the LRGV are currently expanding as LRGV stakeholders (see Table 1) are working together to tackle issues of regional concern, such as transportation, economic growth, water supply ,and water quality. These issues are addressed in the respective planning efforts: the Metropolitan Planning Organization Transportation Plan, the Economic Development Plan, the Economic Adjustment Plan, the Region M Water Plan, and the Arroyo Colorado Watershed Protection Plan. Regional stormwater standards should be adopted to ensure future development, analysis, and proposed mitigation solutions would all be analyzed in the same manner generating uniformity through the LRGV.

Enhancement Option: Localized Colonia Analyses for 100 Individual Colonias

This enhancement option is provided in the event that additional funds become available to further this Stormwater Drainage Planning project. As stated in the introduction, the project goal is to examine the drainage infrastructure needs of the Colonias and identify drainage study and infrastructure gaps that need to be filled in order to address the drainage issues. Following the completion of the regional analysis (Phase 2), localized analyses for 100 individual, high priority Colonias may be performed. The benefits of this enhancement option are as follows:

- **Colonia Focused** – This study will be focused on each Colonia's specific localized drainage problems. Hydrologic and hydraulic methodologies will be evaluated and recommended to best analyze the local flood problems in each Colonia.
- **Address High Priority Needs** – Analyses will be conducted for the Colonias that were defined as having the greatest need for study and drainage solutions.
- **Drainage Standards and Level of Risk** – Localized "acceptable probability of flooding" criteria for each Colonia will be recommended based upon capacities of the regional systems and corresponding outfalls.
- **Localized Drainage Solutions** – Following identification of drainage issues, development and evaluation of flood mitigation alternatives, both structural and non-structural, necessary to address the flooding problem will be recommended. Flood mitigation alternatives will be evaluated based upon the technical feasibly of each proposed alternative, its cost effectiveness, and the probability of the proposed alternative to be implemented.

The population information obtained for this study indicates the total population within the top 100 high priority Colonias is approximately 50,300, which represents approximately 30% of the total LRGV SOS Colonia population. The population statistics for the top 100 Colonias were used to identify that the top 100 Colonias represent almost 70% of the Colonias with a population greater than 1000 and nearly 45% of the Colonias with a population between 500 and 1000.

The purpose of the localized Colonia analyses is to evaluate the combination of regional and localized flooding problems associated with the highest priority Colonias. Results will include an assessment of flood hazard risks and mitigation alternatives for 100 identified Colonias. Knowledge of the downstream regional (main) drainage systems will be utilized to identify holistic solutions to Colonia specific problems.

REFERENCES

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2. Lower Rio Grande Valley Development Council (LRGVDC). (2011). Needs Assessment. Lower Rio Grande Valley Hurricane Dolly recovery program. Baton Rouge, LA. URS Corporation.
3. Texas Secretary of State (SOS). (2005). 79th Regular Session of the Texas Legislature. Senate Bill 827. www.sos.state.tx.us/border/colonias/legislation.shtml.

Figures

LRGV Drainage Systems

N

0 3.5 7
Miles

Rio Grande System

Raymondville / North Main Drain System

North Floodway / Arroyo Colorado System

Brownsville System

Raymondville Drain

North Main Drain

North Floodway

Arroyo Colorado

McAllen/Edinburgh Drain

NF-13

NRCCD5

Mission Inlet

Banker

Resaca De Los Fresnos

Resaca De Los Cuates

Main Drain A

Brownsville North Main Drain

CCDD1

Santa Elena
San Isidro
Delmita
Puerto Rico
Robberson
Linn
Port Mansfield
San Perlita
Hargill
Lasara
Sebastian
EDINBURG
La Blanca
Edcouch
Elsa
La Villa
Combes
Rio Hondo
HARLINGEN
Lozano
La Feria
SAN BENITO
McAllen
SAN JUAN
PHARR
ALAMO
DONNA
WESLACO
MERCEDES
Allen Miller Intl Airport
HIDALGO
REYNOSA
Progreso
Nuevo Progreso
Santa Maria
Los Indios
Olmito
Port Isabel
South Padre Island
Bahia Grande
Verdolaga Lake
Boca Chica Blvd
Mexico
La Escondida
RIO BRAVO
Charco Azul
El Control
RAMIREZ
Brownsville
Brownsville South Padre Island Intl Airport
La Union
Santa Adelaida
MATAMOROS
Veinte de Noviembre
General Servando Canales Intl Airport
Anahuac
La Grulla
Sullivan City
Los Ebanos
La Joya
Penitas
Havana
AVO DIAZ ORDAZ
arciasville
General Lucio Intl Airport

Legend

- Study Streams
- County

Watershed System

- Brownsville System
- Rio Grande System
- Raymondville / North Main Drain System
- North Floodway / Arroyo Colorado System

LRGV: LiDAR Source

N

0 3.5 7
Miles

Hidalgo

Willacy

Cameron

Legend

LAS LiDAR TNRIS

Source

- Hidalgofcd 2004
- USGS 2008
- USGS 2011
- IBWC 2006
- IBWC 2011
- County

Year	Source	Accuracy (Meters)
2004	Hidalgo FCD	1
2008	USGS	1.2
2011	USGS	1.5
2006	IBWC	0.7
2011	IBWC	0.7

LRGV: City Boundaries

N

0 3.5 7
Miles

Legend
- Colonias
- ETJ
- City Limits
- County

LRGV: Drainage District Boundaries

N

0 3.5 7
Miles

Santa Elena
San Isidro
Delmita
Puerto Rico
Robberson
Linn
Kenedy
Port Mansfield
Starr
Hidalgo
San Perlita
WCDD#2
Lasara
HCDD#1 Sector 5
Lyford
Delta Lake
WCDD#1
Sebastian
HCDD#1 Sector 3
HCDD#1 Sector 4
Willacy
Cameron
La Blanca
Edcouch
Elsa
La Villa
Santa Rosa
Combes
Rio Hondo
CCDD#5
Harlingen
Sullivan City
La Grulla
Los Ebanos
Havana
Mission
McAllen
HCDD#1 Sector 1
Pharr
Alamo
San Juan
Donna
Weslaco
Mercedes
La Feria
CCDD#3
San Benito
Lozano
Lake
CCDD Laguna
CCDD#4
HCDD#1 Sector 2
Hidalgo
Reynosa
Progreso
Nuevo Progreso
Santa Maria
Los Fresnos
South Padre Island
Port Isabel
Los Indios
CCDD La Paloma
CCDD#3 Annex
Bahia Grande
Olmito
CCDD Valley Mud 2
CCDD#1
Verdologa Lake
La Escondida
Rio Bravo
Charco Azul
El Control
Ramirez
Mexico
La Union
CCDD Brownsville
Santa Adelaida

Legend

- Colonias
- County

Drainage Districts

- Willacy County DD
- Hidalgo County DD
- Cameron County DD

TEXAS WATER DEVELOPMENT BOARD

LRGV: Population

N

0 3.5 7
Miles

Hidalgo County

Willacy County

Cameron County

Kenedy

Santa Elena
San Isidro
Delmita
Puerto Rico
Robberson
Linn
Starr
Hidalgo
Port Mansfield
San Perlita
Lasara
Delta Lake
Lyford
Sebastian
Willacy
Cameron
Edinburg
La Blanca
Edcouch
Elsa
La Villa
Sullivan City
La Grulla
Los Ebanos
La Joya
Havana
Ordaz
Mission
McAllen
Alamo
Donna
Weslaco
La Feria
Santa Rosa
Combes
Rio Hondo
Harlingen
Lozano
Cross
Hidalgo
Reynosa
Progreso
Nuevo Progreso
United States
Santa Maria
Los Indios
Los Fresnos
Olmito
Port Isabel
South Padre Island
Bahia Grande
Laguna Madre
Verdolaga Lake
La Escondida
Rio Bravo
Charco Azul
El Control
Ramirez
Brownsville
La Union
Matamoros
Santa Adelaida
Veinte de Noviembre
Mexico

Legend

- County
- City Limits

Est Population

- 0 - 100
- 101 - 250
- 251 - 500
- 501 - 1000
- 1001 - 6000

TEXAS WATER DEVELOPMENT BOARD

LRGV: Historic Flooding

N

0 3.5 7
Miles

HidalgoCounty

WillacyCounty

CameronCounty

Legend

- County

Colonias

Public Comments

- Rare
- Occassional
- Frequent

Historic Flooding

- None Recorded in OAG DB
- Rare
- Occassional
- Frequent

TEXAS WATER DEVELOPMENT BOARD

Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

LRGV: Floodplains

N

0 3.5 7
Miles

Hidalgo County

Willacy County

Cameron County

Kenedy

Santa Elena
San Isidro
Delmita
Puerto Rico
Robberson
Linn
Starr
Hidalgo
Port Mansfield
San Perlita
Lasara
Hargill
Lyford
Sebastian
Willacy
Cameron
Edinburg
La Blanca
Edcouch
Elsa
La Villa
Santa Rosa
Combes
Rio Hondo
Harlingen
Lozano
Sullivan City
Los Ebanos
La Joya
Havana
Penitas
Mission
McAllen
Pharr
Alamo
San Juan
Donna
Weslaco
Mercedes
La Feria
San Benito
Hidalgo
Reynosa
Progreso
Nuevo Progreso
Santa Maria
Los Indios
Los Fresnos
South Padre Island
Port Isabel
Olmito
Laguna Madre
Laguna Vista
La Escondida
Rio Bravo
Charco Azul
El Control
Ramirez
Mexico
Brownsville
La Union
Matamoros
Santa Adelaida
Veinte de Noviembre
Anáhuac

Legend

- County
- Colonias
- 100yr FEMA FP
- 500yr FEMA FP

Note: Displayed floodplains were derived from various sources including: Current Effective and Preliminary FEMA Maps, USACE floodplain maps, and Drainage District floodplain maps.

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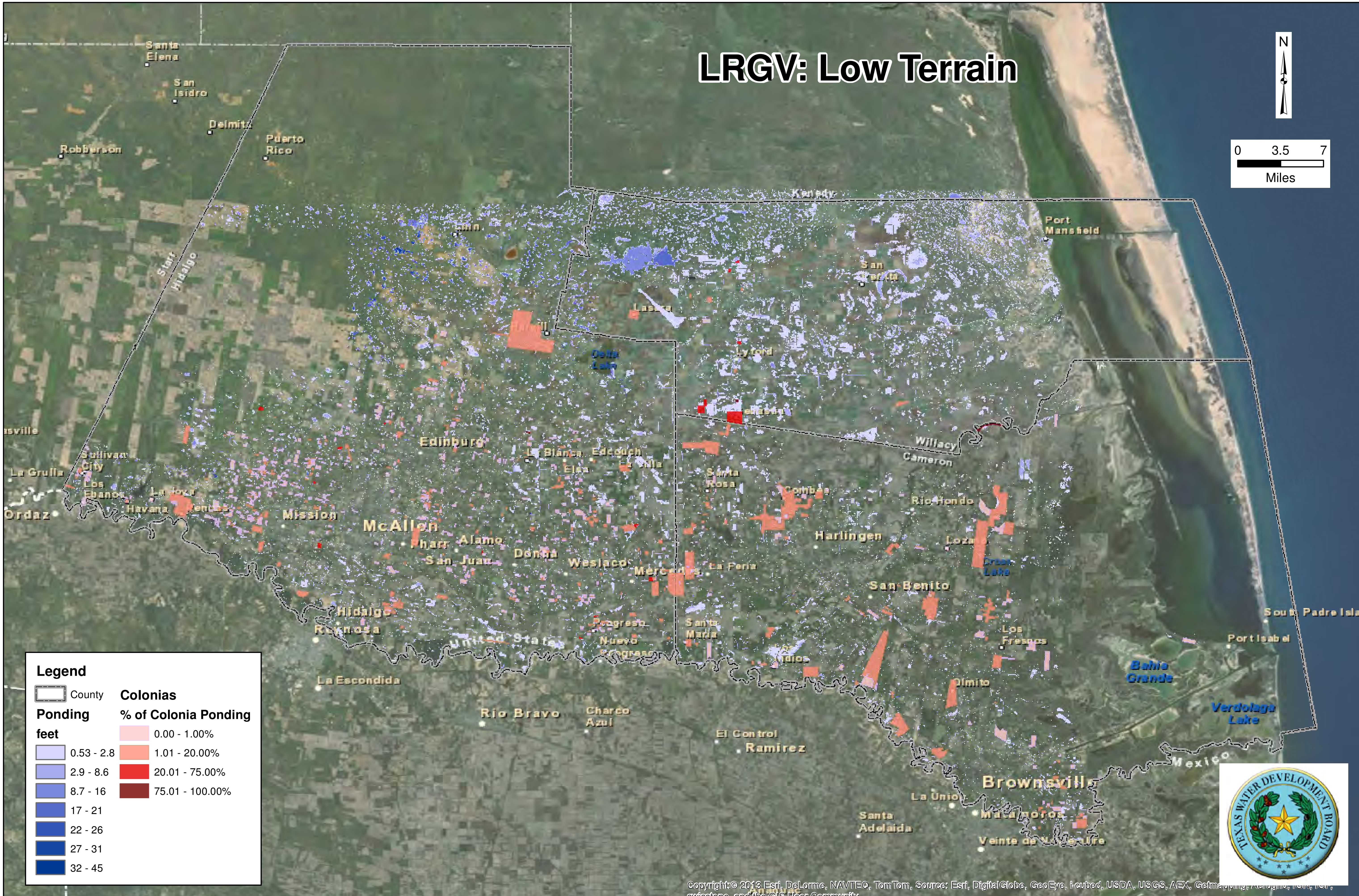
LRGV: Low Terrain
N
0 3.5 7
Miles
Legend
County
Ponding
feet
0.53 - 2.8
2.9 - 8.6
8.7 - 16
17 - 21
22 - 26
27 - 31
32 - 45
Colonias
% of Colonia Ponding
0.00 - 1.00%
1.01 - 20.00%
20.01 - 75.00%
75.01 - 100.00%
Santa Elena
San Isidro
Delmita
Puerto Rico
Robberson
Starr
Hidalgo
Kenedy
Port Mansfield
San Perlita
Raymondville
Lasara
Lyford
Delta Lake
Willacy
Cameron
Edinburg
La Blanca
Edcouch
Elsa
La Villa
Santa Rosa
Combes
Rio Hondo
Sullivan City
La Grulla
Los Ebanos
La Joya
Havana
Ordaz
Mission
McAllen
Pharr
Alamo
San Juan
Donna
Weslaco
Mercedes
La Feria
Harlingen
Lozano
San Benito
Hidalgo
Reynosa
Progreso
Nuevo Progreso
Santa Maria
Los Fresnos
South Padre Island
Port Isabel
Bahia Grande
Verdolaga Lake
La Escondida
Rio Bravo
Charco Azul
El Control
Ramirez
Olmito
Brownsville
La Union
Matamoros
Santa Adelaida
Mexico
United States
TEXAS WATER DEVELOPMENT BOARD
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LRGV: Hydric Soil Survey

N

0 3.5 7
Miles

Hidalgo County

Willacy County

Cameron County

Kenedy

Santa Elena
San Isidro
Delmita
Robberson
Puerto Rico
Linn
Starr
Hidalgo
Port Mansfield
San Perlita
Lasara
Lyford
Sebastian
Willacy
Cameron
Edinburg
La Blanca
Edcouch
Elsa
La Villa
Santa Rosa
Combes
Rio Hondo
Harlingen
Los Fresnos
Mission
McAllen
Alamo
San Juan
Donna
Weslaco
La Feria
Hidalgo
Reynosa
Progreso
Nuevo Progreso
Santa Maria
Los Indios
Cimito
South Padre Island
Port Isabel
Bahia Grande
Laguna Madre
La Escondida
Rio Bravo
Charco Azul
El Control
Ramirez
Brownsville
La Union
Matamoros
Santa Adelaida
Veinte de Noviembre
Mexico

Legend

- County
- Colonias

Hydro Soils

- A
- A/D
- B
- B/D
- C
- C/D
- D

TEXAS WATER DEVELOPMENT BOARD

LRGV: Model Subdivision Community

N

0 3.5 7
Miles

Hidalgo County

Willacy County

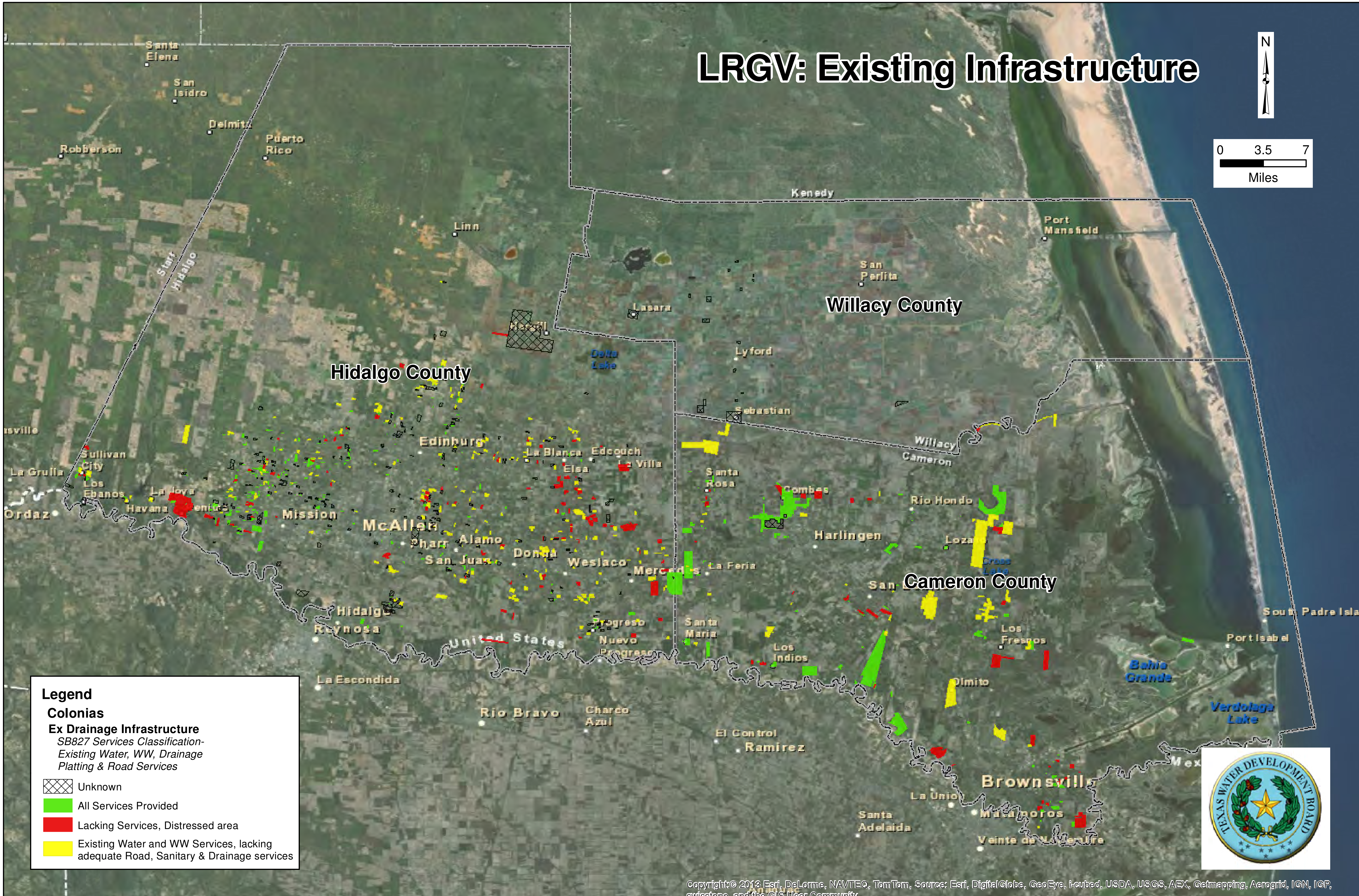
Cameron County

Santa Elena
San Isidro
Delmita
Puerto Rico
Robberson
Linn
Kenedy
Port Mansfield
San Perlita
Lasara
Lyford
Sebastian
Willacy
Cameron
Edinburg
La Blanca
Edcouch
Elsa
La Villa
Santa Rosa
Combes
Rio Hondo
Harlingen
Lozano
Cross Lake
La Feria
Weslaco
Donna
Alamo
San Juan
Pharr
McAllen
Mission
Sullivan City
La Grulla
Los Ebanos
La Joya
Havana
Ordaz
Hidalgo
Reynosa
United States
Progreso
Nuevo Progreso
Santa Maria
Los Indios
Los Fresnos
Olmito
Port Isabel
South Padre Island
Bahia Grande
Laguna Madre
Verdoiaga Lake
La Escondida
Rio Bravo
Charco Azul
El Control
Ramirez
Brownsville
La Union
Matamoros
Santa Adelaida
Veinte de Noviembre
Mexico

Legend

- County
- **Colonias**
- **Model Subdivision**
  - No
  - Yes
  - Unknown

TEXAS WATER DEVELOPMENT BOARD


LRGV: Existing Infrastructure
N
0 3.5 7
Miles
Hidalgo County
Willacy County
Cameron County
Kenedy
Starr
Hidalgo
Willacy
Cameron
Santa Elena
San Isidro
Delmita
Puerto Rico
Robberson
Linn
Lasara
San Perlita
Port Mansfield
Lyford
Sebastian
Delta Lake
Edinburg
La Blanca
Edcouch
Elsa
Sullivan City
La Grulla
Los Ebanos
La Joya
Havana
Mission
McAllen
Pharr
Alamo
San Juan
Donna
Weslaco
Mercedes
La Feria
Santa Rosa
Combes
Rio Hondo
Harlingen
Cameron County
Hidalgo
Reynosa
Progreso
Nuevo Progreso
Santa Maria
Los Indios
Los Fresnos
Olmito
Bahia Grande
Port Isabel
Verdolaga Lake
Brownsville
Matamoros
La Escondida
Rio Bravo
Charco Azul
El Control
Ramirez
Santa Adelaida
United States
Legend
Colonias
Ex Drainage Infrastructure
SB827 Services Classification-
Existing Water, WW, Drainage
Platting & Road Services
Unknown
All Services Provided
Lacking Services, Distressed area
Existing Water and WW Services, lacking adequate Road, Sanitary & Drainage services
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LRGV: Identified Mitigation Projects

N

0 3.5 7
Miles

Hidalgo County

Willacy County

Cameron County

Kenedy

Santa Elena
San Isidro
Delmita
Puerto Rico
Robberson
Linn
Starr
Hidalgo
Port Mansfield
San Perlita
Lasara
Delta Lake
Lyford
Sebastian
Willacy
Cameron
Edinburg
La Blanca
Edcouch
Elsa
La Villa
Sullivan City
La Grulla
Los Ebanos
La Joya
Havana
Mission
McAllen
Alamo
San Juan
Donna
Weslaco
Mercedes
La Feria
Santa Rosa
Combes
Rio Hondo
Harlingen
Lozano
Cross Lake
Hidalgo
Reynosa
United States
Progreso
Nuevo Progreso
Santa Maria
Los Indios
Los Fresnos
Port Isabel
South Padre Island
Bahia Grande
Olmito
Verdologa Lake
La Escondida
Rio Bravo
Charco Azul
El Control
Ramirez
Mexico
Brownsville
La Union
Matamoros
Santa Adelaida
Veinte de Noviembre

Legend

- County

Colonias

Existing Study

- No Study
- Study

Current Project

- No Project
- Planned
- Funded

TEXAS WATER DEVELOPMENT BOARD

Appendix A

SUBMITTAL PACKAGE TO TEXAS WATER DEVELOPMENT

STORMWATER DRAINAGE
PLANNING
FOR THE COLONIAS
OF THE LOWER
RIO GRANDE VALLEY

"Filling the Gap"

Submitted by

ERO Communications

300 S. 8th St.

McAllen, TX 78501

December 9, 2013

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Deliverables

Frequently Asked Questions - English

STORMWATER DRAINAGE PLANNING FOR THE COLONIAS OF THE LOWER RIO GRANDE VALLEY

"Filling the Gap"

FREQUENTLY ASKED QUESTIONS

Q: What is the Secretary of State's definition of a colonia?

A: The term "colonia," in Spanish means a community or neighborhood. The Office of the Secretary of State defines a "colonia" as a residential area along the Texas-Mexico border that may lack some of the most basic living necessities, such as potable water and sewer systems, electricity, paved roads, and safe and sanitary housing.

Reference: ww.sos.state.tx.us

Q: What is my current level of flood risk?

A: Many colonia neighborhoods have the potential for flooding during any given rain. Using the latest technology, this study will develop a tool that can be used to determine the current level of flood risk for colonias (as identified by the Secretary of State's Office). The study will then understand the colonias relative level of flood risk. The team will then be able to evaluate the true "current conditions" flood risk for colonias.

Q: Will I be helped by ongoing or planned drainage improvement projects?

A: The goal is to find answers to this question by identifying projects that are currently being implemented or in the planning phase, including those drainage projects specifically designed to help colonias. The team will put these planned projects in to the model and this information will show planned conditions including which areas will potentially be improved, or those areas whose current risk of flooding will potentially be reduced. The team may find that a planned project will move a colonia from high flood risk to moderate or even low flood risk.

Q: What if these projects have not helped or will not provide drainage relief?

A: The team will also look at other future projects that have been identified to determine if they might provide drainage relief to colonia areas not being impacted by planned drainage improvement currently being considered. The team will then put these projects into the planned conditions model to create a future conditions model to determine the potential future flood risk of each colonia. Finally, the team will evaluate additional flood risk reduction that can be implemented and funded and will provide improvements to the adjacent colonias.

Q: Why projects are/are not working?

A: All drainage systems have limits. The drainage systems located in Hidalgo, Cameron and Willacy Counties were designed to drain crops and small towns, and provide a by-pass for the Rio Grande so that it won't spill out of its banks during heavy rainfall. These systems were not designed to handle drainage for the metropolitan area that now exists in the LRGV. The team will define the flow capacity of the system at different rain events and will identify the strengths and weaknesses of the overall system, including the time that it takes the existing system to drain each watershed.

www.LRGVDrainage.org

Frequently Asked Questions - Spanish

PLANIFICACIÓN DE DRENAJE DE AGUAS PLUVIALES DE LAS COLONIAS DEL VALLE DEL RIO GRANDE

"Llenando el Espacio"

PREGUNTAS COMUNES

¿Como define el Secretario de Estado el termino "colonia"?

Respuesta: En Español, el termino "colonia" significa una comunidad o vecindad. La Oficina del Secretario de Estado define una "colonia" como una área residencial a lo largo de la frontera de Texas y México que puede carecer algunas de las necesidades de vivir mas básicas tal como agua potable y sistema de alcantarillado, electricidad, calles pavimentadas, y viviendas seguras y sanitarias

Referencia: ww.sos.state.tx.us

¿Cual es mi riesgo de inundación actual?

Respuesta: Muchas comunidades en las colonias corren riesgo de inundación durante cualquier lluvia. Este estudio utilizara la tecnología mas actualizada para desarrollar un instrumento que se pueda usar para determinar el riesgo de inundación real de las colonias (según identificado por la Oficina del Secretario de Estado). El estudio revelara el nivel de riesgo de inundación en relación a cada colonia. Así, el equipo podrá evaluar realmente las "condiciones actuales" de riesgo de inundación para las colonias.

¿Se me ayudara a través de proyectos actuales de mejoramiento de drenaje o proyectos futuros?

Respuesta: La meta es encontrar respuestas a esta pregunta a través de la identificación de proyectos que se están implementado actualmente o que están en la fase de planificación, incluyendo aquellos proyectos de drenaje especificamente diseñados para ayudar a las colonias. El equipo incorporara estos proyectos al modelo y esta información mostrara condiciones anticipadas, incluyendo las áreas que serán mejoradas potencialmente, o aquellas áreas cuyo riesgo de inundación será potencialmente reducido. El equipo tal vez descubrirá que un proyecto cambiara el nivel de riesgo de inundación de una colonia de alto riesgo a un riego moderado o tal vez hasta un bajo riesgo de inundación.

¿Que tal si estos proyectos no han funcionado o no proveerán desahogo al drenaje?

Respuesta: El equipo analizara otros proyectos futuros que hayan sido identificados para determinar si tales proyectos podrían proveer desahogo al sistema de drenaje para aquellas áreas de colonias que no serán beneficiadas por proyectos de mejoramiento al drenaje ya planificados y cuales se estén considerando para implementación actualmente. El equipo pondrá estos proyectos en el modelo de condiciones anticipadas para generar un modelo de condiciones futuras para determinar las posibilidades de riesgo de inundación para cada colonia. Finalmente, el equipo de investigación evaluara formas adicionales de reducir el riesgo de inundación que puedan ser financiadas e implementadas y que proveerán mejoramientos a las colonias colindantes.

¿Por qué están o no están funcionando los proyectos?

Respuesta: Todos los sistemas de drenaje tienen limites. Los sistemas de drenajes ubicados en los condados de Hidalgo, Cameron, y Willacy fueron diseñados para desaguar cosechas y pueblos pequeños, y para proveer una alternativa de flujo para el Rio Grande para que no se derrame de sus orillas durante lluvias fuertes. Estos sistemas no fueron diseñados para manejar el desagüe del área metropolitana que existe hoy. El equipo definirá la capacidad de flujo del sistema durante distintos eventos de lluvia y determinara las debilidades y fortalezas del sistema en general, incluyendo el tiempo que se toma para que cada sistema desagüe cada cuenca fluvial.

www.LRGVDrenaje.org

Fact Sheet - English

STORMWATER DRAINAGE PLANNING FOR THE COLONIAS OF THE LOWER RIO GRANDE VALLEY

"Filling the Gap"

FACT SHEET

PROJECT PURPOSE: Examine the drainage infrastructure needs of the colonias and what drainage study and infrastructure gaps need to be filled in to address the drainage issues.

FINDING THE GAP

- Determining why colonias still flood
- Determining projects that ultimately reduce flood risks to colonias
- Identifying potential funding sources to design and construct solutions

PROJECT OUTCOME: The study will produce a model to be used as a tool to identify flooding risk and infrastructure needs in order to seek funding to help fill the identified gaps and ultimately reduce flooding risks to colonias.

FILLING THE GAP

- Regional effort that includes drainage issues in all three counties
- A comprehensive tool that will be used to identify risks and solutions to minimize flood affects, as well as, identify potential funding (grants) for project implementation
- This comprehensive tool is expected to be a living model that is updated as projects get implemented

PROJECT HISTORY: The purpose of this project is to develop the necessary drainage planning required to examine the infrastructure needs of the colonias, in particular, identifying projects that can use Community Development Block Grant disaster recovery funds to provide drainage improvements to address flooding problems in the wake of Hurricane Dolly, and the historical provision of public infrastructure and housing assistance to meet those needs in border and non-border colonias. The project area is defined as the colonias as defined by the Secretary of State in the Lower Rio Grande Valley (LRGV) area, consisting of Cameron County, Hidalgo County and Willacy County. This project is administered by the Texas Water Development Board.

www.LRGVDrainage.org

Fact Sheet - Spanish

PLANIFICACIÓN DE DRENAJE DE AGUAS PLUVIALES DE LAS COLONIAS DEL VALLE DEL RIO GRANDE

"Llenando el Espacio"

DATOS

PROPÓSITO DEL PROYECTO: Examinar las necesidades de infraestructura del drenaje de las colonias y cuales estudios de drenaje e infraestructura se tienen que hacer para responder a los asuntos de drenaje.

IDENTIFICANDO LAS NECESIDADES

- Investigar porque aún se inundan las colonias
- Encontrar proyectos que ultimadamente reduzcan los riesgos de inundación para las colonias
- Identificar fondos para diseñar y construir soluciones

RESULTADO DEL PROYECTO: El estudio producirá un modelo que se utilizara como herramienta para identificar el riesgo de inundación y las necesidades de infraestructura para buscar fondos que ayudaran a responder a las necesidades identificadas y ultimadamente reducir los riesgos de inundación en las colonias.

RESPONDIENDO A LAS NECESIDADES

- Una iniciativa regional que incluya asuntos de drenaje dentro de los 3 condados
- Una herramienta comprensiva que se utilizara para identificar riesgos y soluciones para minimizar los efectos de inundación, al igual que, identificar posibles fuentes de fondos (concesiones) para implementar proyectos
- Se espera que esta herramienta comprensiva sea un modelo flexible que se vaya actualizando según los proyectos sean implementados

HISTORIAL DEL PROYECTO: El propósito de este proyecto es desarrollar el plan de drenaje apropiado para examinar las necesidades de infraestructura de las colonias, en particular, identificar proyectos que puedan usar fondos de recuperación de desastres designados como Fondos para Desarrollo de la Comunidad (CDBG funds), para proveer mejoramientos que respondan a problemas de inundación como resultado del Huracán Dolly, y la provisión histórica de infraestructura pública y asistencia de vivienda para satisfacer esas necesidades en colonias fronterizas y no-fronterizas. El área del proyecto se define como las colonias designadas por el Secretario de Estado en el área del Valle del Rio Grande (LRGV), consistiendo del Condado de Cameron, Condado de Hidalgo, y Condado de Willacy. Este proyecto es administrado por la Mesa Directiva de Desarrollo de Agua de Texas.

www.LRGVDrenaje.org

Comment Form - English

STORMWATER DRAINAGE PLANNING FOR THE COLONIAS OF THE LOWER RIO GRANDE VALLEY

"Filling the Gap"

Name: _____ Date: _____

Address: _____

Colonia: _____ County: _____

Telephone: _____ Email: _____

Do you have flooding problems in your area? ☐ Yes ☐ No
What kind of flooding problems do you have: (flooding during small rain events, big rain events, flooding during Hurricanes, how often?)
What is the highest depth of water you have seen in your Colonia? (Feet or inches)
Does the water drain or does it dry out after time?
How long does it take to dry out if it does not drain?

If you have pictures of flooding problems, high water in your Colonia, or any other data please contact our office at (956) 664-0286 so we may make arrangements to make copies.

www.LRGVDrainage.org

Comment Form - Spanish

PLANIFICACIÓN DE DRENAJE DE AGUAS PLUVIALES DE LAS COLONIAS DEL VALLE DEL RIO GRANDE

"Llenando el Espacio"

Nombre: _____ Fecha: _____

Dirección: _____

Colonia: _____ Condado: _____

No. de teléfono: _____ Correo Electrónico: _____

¿Tiene problemas de inundación en su área? ☐ Si ☐ No

¿Que tipo de problemas de inundación tiene: (inundación durante lluvias leves, lluvias fuertes, inundación durante huracanes, que tan frecuente?)

¿Que es el nivel más alto de agua que ha visto en su colonia durante una inundación? (Pies o pulgadas)

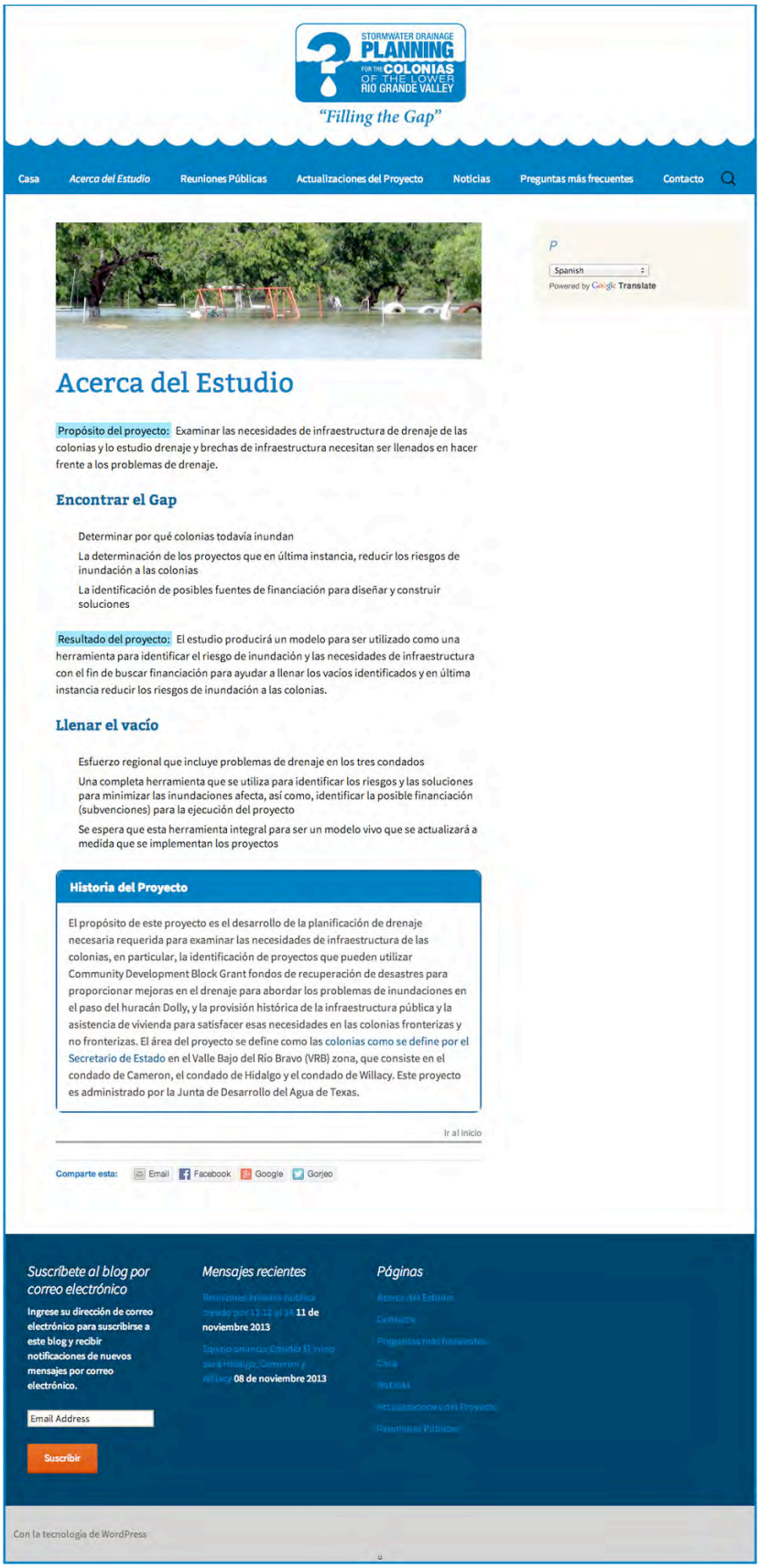
¿Desagua el agua o se seca después de tiempo?

¿Cuanto se toma para que el agua se seque si no desagua?

Si tiene fotos de problemas de inundación, altos niveles de agua en su colonia, o cualquier otra información, favor de comunicarse a nuestra oficina al (956) 664-0286 para hacer arreglos de hacer copias.

www.LRGVDrenaje.org

Website LRGVDrainage.org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Propósito del proyecto: Examinar las necesidades de infraestructura de drenaje de las colonias y lo estudio drenaje y brechas de infraestructura necesitan ser llenados en hacer frente a los problemas de drenaje.
Encontrar el Gap
Determinar por qué colonias todavía inundan
La determinación de los proyectos que en última instancia, reducir los riesgos de inundación a las colonias
La identificación de posibles fuentes de financiación para diseñar y construir soluciones
Resultado del proyecto: El estudio producirá un modelo para ser utilizado como una herramienta para identificar el riesgo de inundación y las necesidades de infraestructura con el fin de buscar financiación para ayudar a llenar los vacíos identificados y en última instancia reducir los riesgos de inundación a las colonias.
Llenar el vacío
Esfuerzo regional que incluye problemas de drenaje en los tres condados
Una completa herramienta que se utiliza para identificar los riesgos y las soluciones para minimizar las inundaciones afecta, así como, identificar la posible financiación (subvenciones) para la ejecución del proyecto
Se espera que esta herramienta integral para ser un modelo vivo que se actualizará a medida que se implementan los proyectos
Historia del Proyecto
El propósito de este proyecto es el desarrollo de la planificación de drenaje necesaria requerida para examinar las necesidades de infraestructura de las colonias, en particular, la identificación de proyectos que pueden utilizar Community Development Block Grant fondos de recuperación de desastres para proporcionar mejoras en el drenaje para abordar los problemas de inundaciones en el paso del huracán Dolly, y la provisión histórica de la infraestructura pública y la asistencia de vivienda para satisfacer esas necesidades en las colonias fronterizas y no fronterizas. El área del proyecto se define como las colonias como se define por el Secretario de Estado en el Valle Bajo del Río Bravo (VRB) zona, que consiste en el condado de Cameron, el condado de Hidalgo y el condado de Willacy. Este proyecto es administrado por la Junta de Desarrollo del Agua de Texas.
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Condado de Cameron Publico Fotos Reunión
Condado de Hidalgo Agenda de la Reunión Pública
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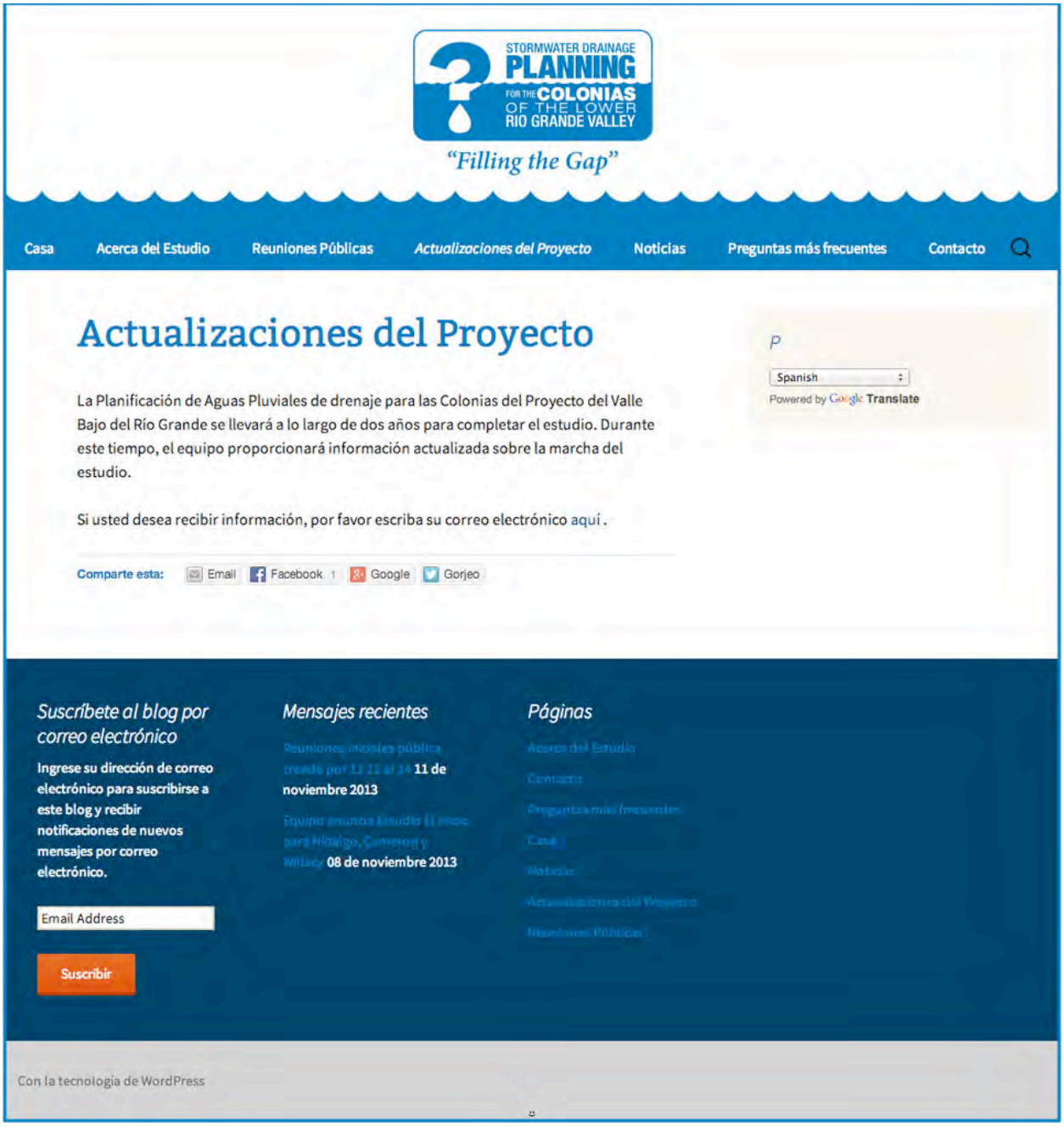
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La Planificación de Aguas Pluviales de drenaje para las Colonias del Proyecto del Valle Bajo del Río Grande se llevará a lo largo de dos años para completar el estudio. Durante este tiempo, el equipo proporcionará información actualizada sobre la marcha del estudio.
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Reuniones iniciales pública creado por 11 12 al 14
Serie de reuniones Kickoff Pública Begin Martes de Hidalgo, Cameron y Willacy. Las reuniones serán Informe Público sobre el estudio de la planificación de Drenaje de Aguas Pluviales para las Colonias.
Equipo anuncia Estudio El inicio para Hidalgo, Cameron y Willacy
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¿Cuál es el Secretario de la definición del Estado de una colonia?
El término "colonia", en español significa una comunidad o barrio. La Oficina del Secretario de Estado define una "colonia" como una zona residencial a lo largo de la frontera Texas-México que pueden carecer de algunas de las necesidades más básicas, como por ejemplo los sistemas de agua potable y alcantarillado, electricidad, caminos pavimentados, y segura y sanitaria vivienda.
Referencia: ww.sos.state.tx.us
¿Cuál es mi nivel actual de riesgo de inundación?
Muchos barrios de las colonias tienen el potencial de inundaciones cuando llueva dado. Utilizando la última tecnología, este estudio se desarrollará una herramienta que se puede utilizar para determinar el nivel actual de riesgo de inundación para las colonias (como se identifica por la Oficina del Secretario de Estado). El estudio será entonces entender las colonias nivel relativo de riesgo de inundación. El equipo será capaz de evaluar el verdadero "condiciones actuales" riesgo de inundación para las colonias.
¿Se me ayudó en los proyectos de mejora de drenaje en curso o previstas?
El objetivo es encontrar respuestas a esta pregunta mediante la identificación de los proyectos que actualmente están llevando a cabo o en la fase de planificación, incluidos los proyectos de drenaje diseñadas específicamente para ayudar a las colonias. El equipo va a poner estos proyectos previstos en el modelo y que esta información le mostrará las condiciones previstas, incluyendo los que potencialmente se pueden mejorar las áreas, o aquellas áreas cuyo actual riesgo de inundación serán potencialmente pueden reducir. El equipo puede determinar que un proyecto planificado se moverá una colonia de alto riesgo de inundación a un riesgo moderado o incluso bajo la inundación.
¿Y si estos proyectos no han ayudado o no proporcionarán alivio de drenaje?
El equipo también se verá en otros proyectos futuros que se han identificado para determinar si podrían proporcionar un alivio de drenaje para zonas de las colonias no están afectados por el mejoramiento del drenaje planificado está considerando actualmente. El equipo entonces poner estos proyectos en el modelo de las condiciones previstas para crear un futuro modelo de condiciones para determinar el potencial futuro del riesgo de inundación de cada colonia. Por último, el equipo evaluará la reducción del riesgo de inundación adicional que pueda ser implementado y financiado y ofrecerá mejoras a las colonias adyacentes.
¿Por qué proyectos están / no están funcionando?
Todos los sistemas de drenaje tienen límites. Los sistemas de drenaje ubicados en Hidalgo, Cameron y Willacy fueron diseñadas para drenar los cultivos y pueblos pequeños, y proporcionar un by-pass para el Río Grande para que no se derrame fuera de sus bancos durante las fuertes lluvias. Estos sistemas no fueron diseñados para manejar el drenaje para el área metropolitana que hoy existe en el VRB. El equipo va a definir la capacidad de caudal del sistema en diferentes eventos de lluvia, e identificará los puntos fuertes y débiles del sistema en su conjunto, incluido el tiempo que tarda el sistema existente para drenar cada cuenca.
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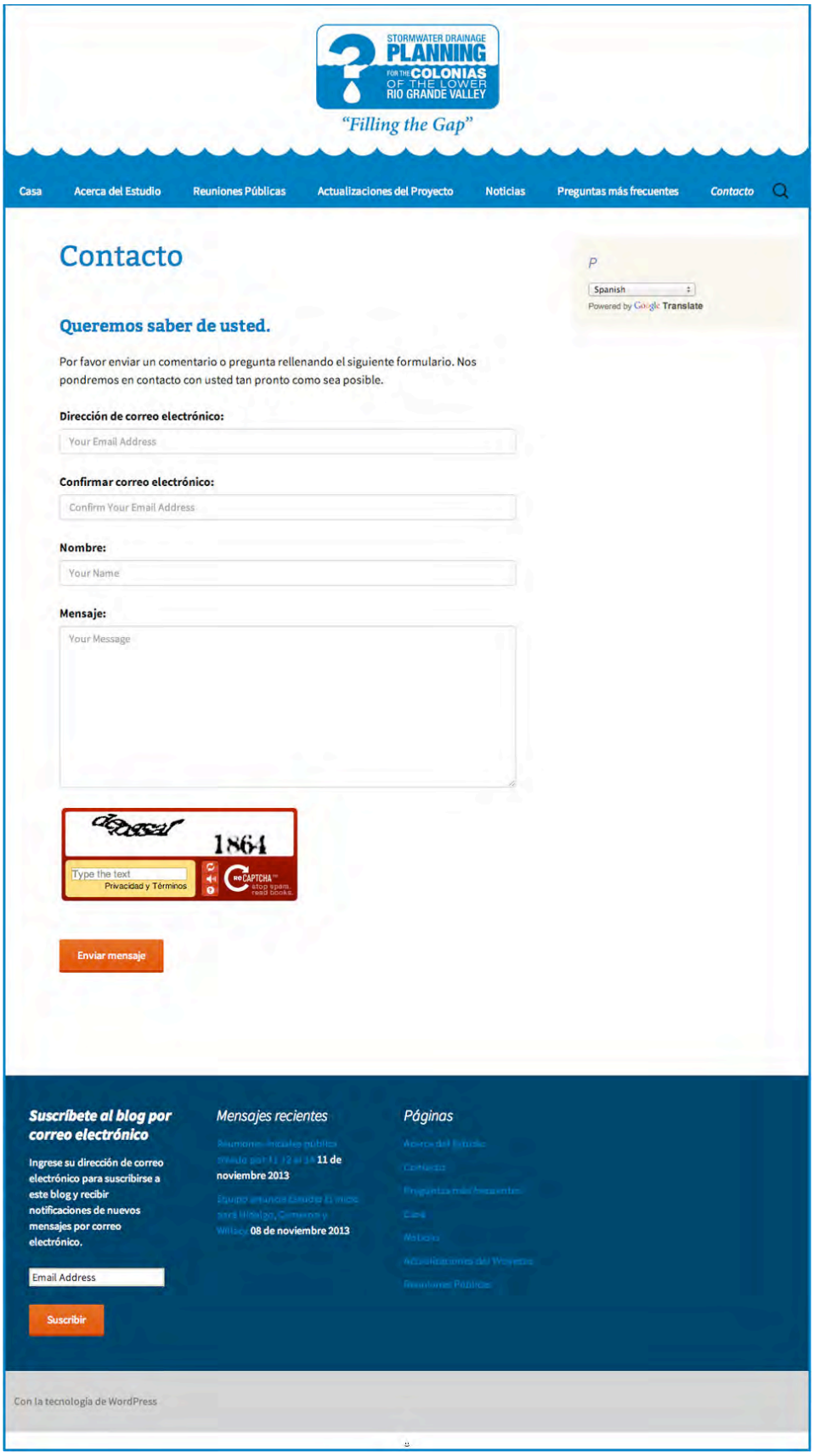
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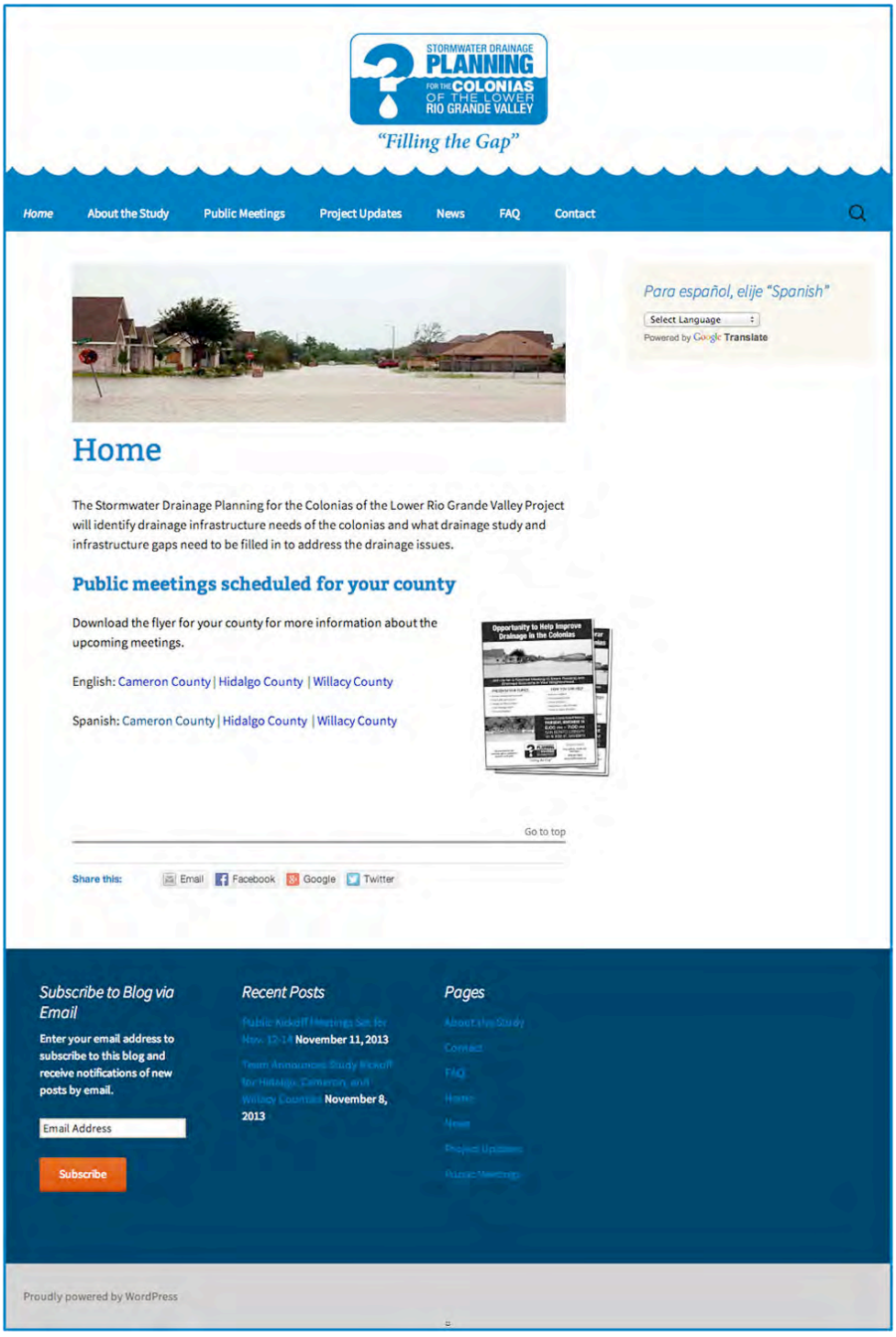

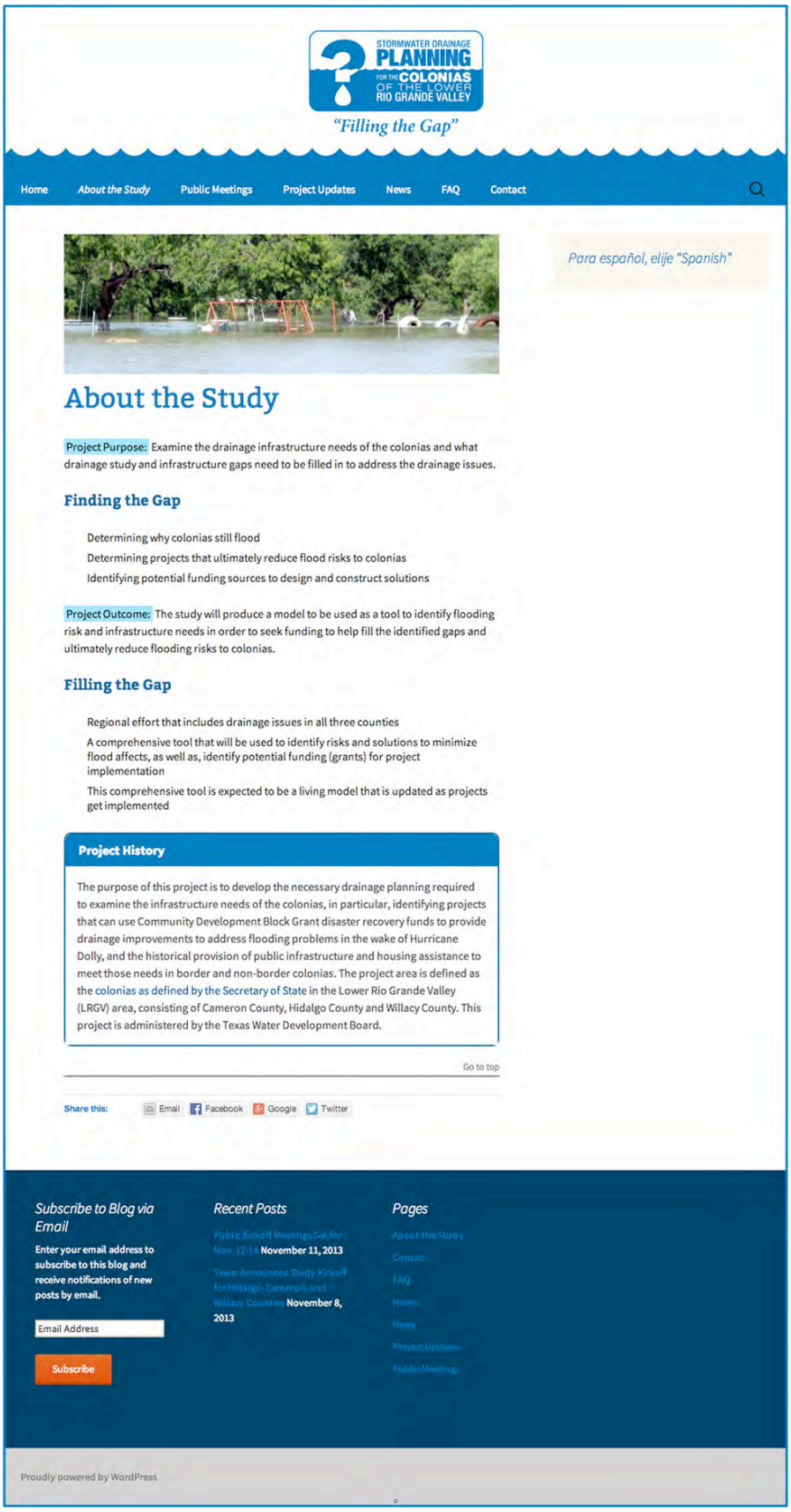
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About the Study
Project Purpose: Examine the drainage infrastructure needs of the colonias and what drainage study and infrastructure gaps need to be filled in to address the drainage issues.
Finding the Gap
Determining why colonias still flood
Determining projects that ultimately reduce flood risks to colonias
Identifying potential funding sources to design and construct solutions
Project Outcome: The study will produce a model to be used as a tool to identify flooding risk and infrastructure needs in order to seek funding to help fill the identified gaps and ultimately reduce flooding risks to colonias.
Filling the Gap
Regional effort that includes drainage issues in all three counties
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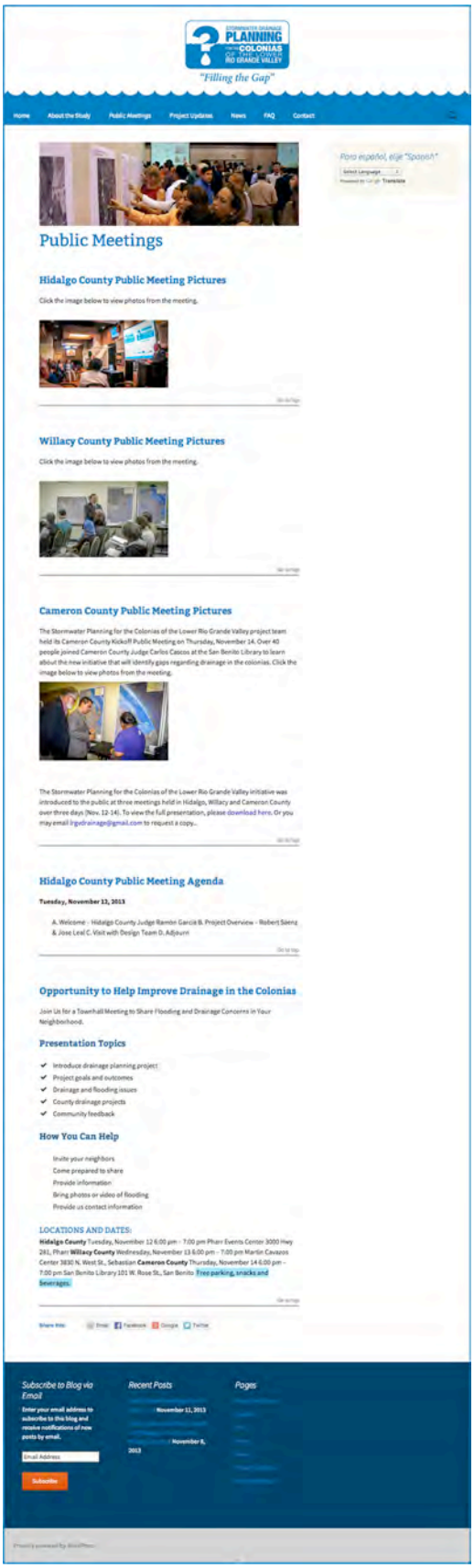
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Click the image below to view photos from the meeting.
Cameron County Public Meeting Pictures
The Stormwater Planning for the Colonias of the Lower Rio Grande Valley project team held its Cameron County Kickoff Public Meeting on Thursday, November 14. Over 40 people joined Cameron County Judge Carlos Cascos at the San Benito Library to learn about the new initiative that will identify gaps regarding drainage in the colonias. Click the image below to view photos from the meeting.
The Stormwater Planning for the Colonias of the Lower Rio Grande Valley initiative was introduced to the public at three meetings held in Hidalgo, Willacy and Cameron County over three days (Nov. 12-14). To view the full presentation, please download here. Or you may email lrgvdrainage@gmail.com to request a copy...
Hidalgo County Public Meeting Agenda
Tuesday, November 12, 2013
A. Welcome - Hidalgo County Judge Ramon Garcia B. Project Overview - Robert Saenz & Jose Leal C. Visit with Design Team D. Adjourn
Opportunity to Help Improve Drainage in the Colonias
Join Us for a Townhall Meeting to Share Flooding and Drainage Concerns in Your Neighborhood.
Presentation Topics
Introduce drainage planning project
Project goals and outcomes
Drainage and flooding issues
County drainage projects
Community feedback
How You Can Help
Invite your neighbors
Come prepared to share
Provide information
Bring photos or video of flooding
Provide us contact information
LOCATIONS AND DATES:
Hidalgo County Tuesday, November 12 6:00 pm - 7:00 pm Pharr Events Center 3000 Hwy 281, Pharr Willacy County Wednesday, November 13 6:00 pm - 7:00 pm Martin Cavazos Center 3830 N. West St., Sebastian Cameron County Thursday, November 14 6:00 pm - 7:00 pm San Benito Library 101 W. Rose St., San Benito Free parking, snacks and beverages.
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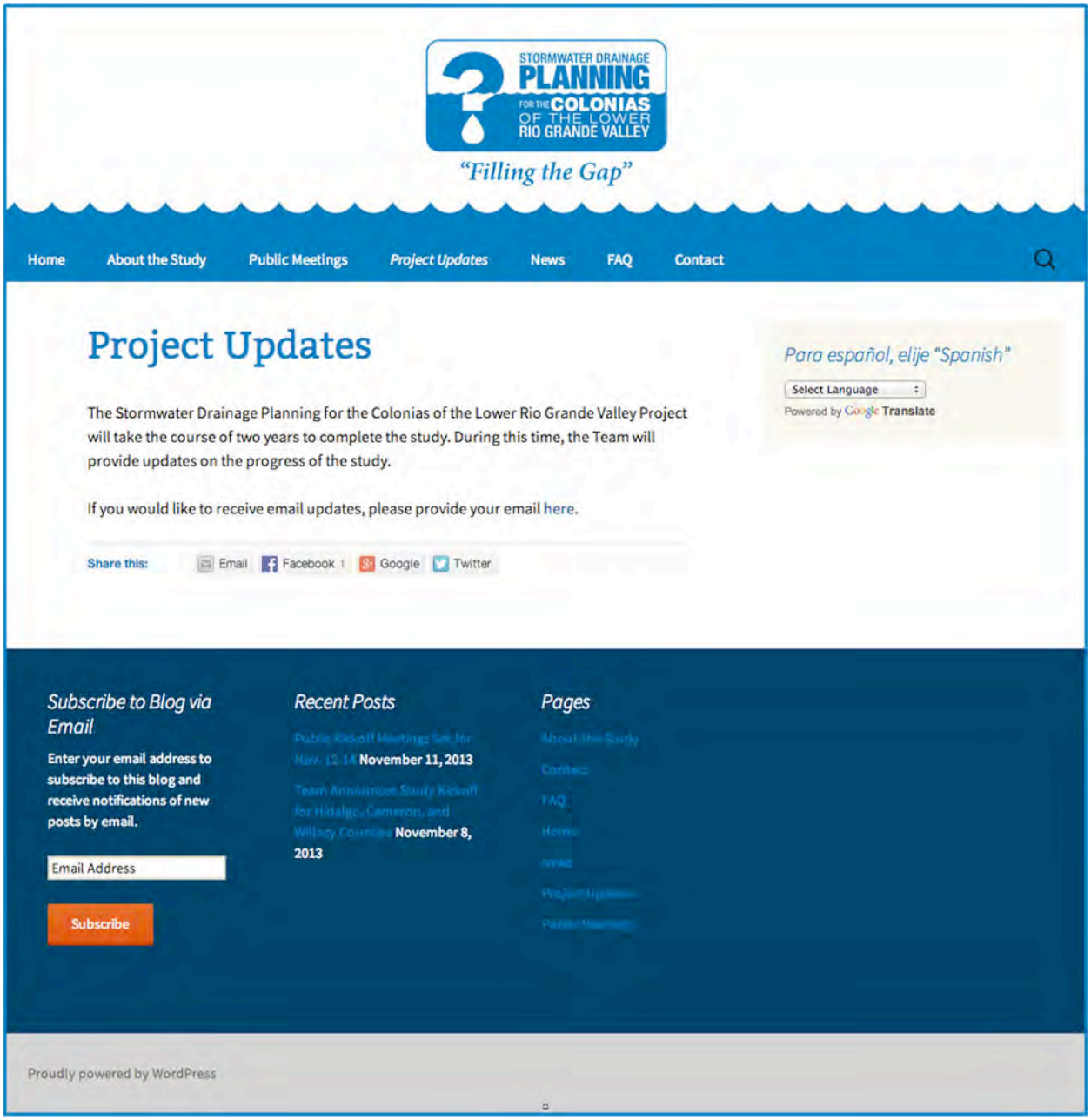
STORMWATER DRAINAGE
PLANNING
FOR THE COLONIAS
OF THE LOWER
RIO GRANDE VALLEY
"Filling the Gap"
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About the Study
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Project Updates
The Stormwater Drainage Planning for the Colonias of the Lower Rio Grande Valley Project will take the course of two years to complete the study. During this time, the Team will provide updates on the progress of the study.
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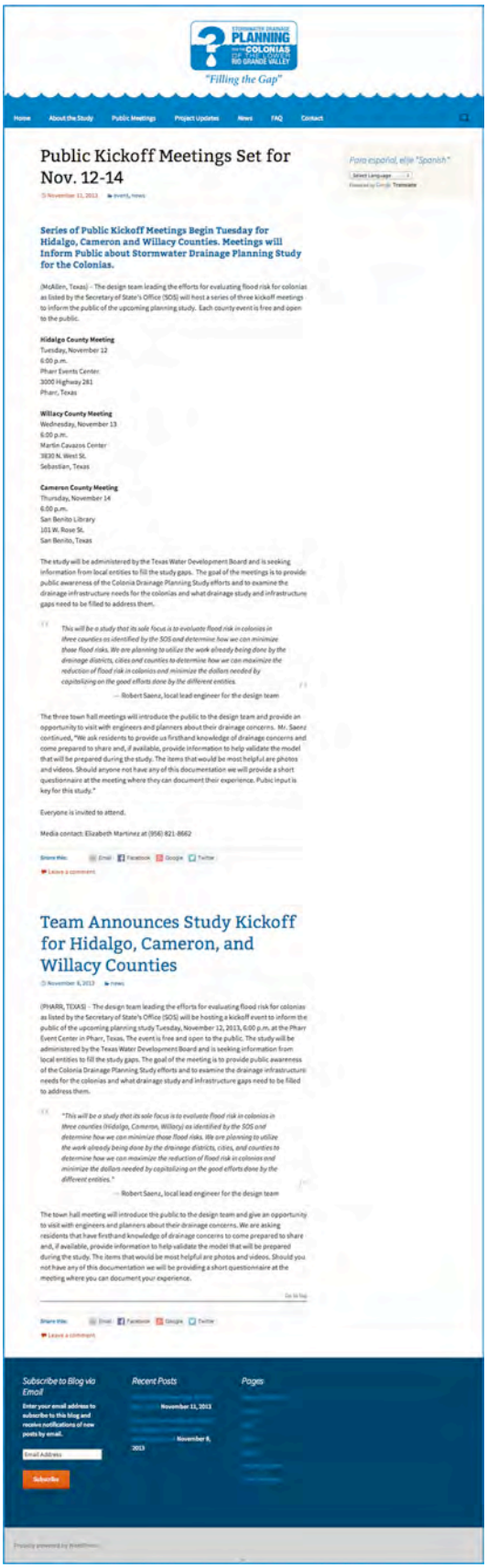
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Public Kickoff Meetings Set for Nov. 12-14
Para español, elija "Spanish"
Series of Public Kickoff Meetings Begin Tuesday for Hidalgo, Cameron and Willacy Counties. Meetings will Inform Public about Stormwater Drainage Planning Study for the Colonias.
(McAllen, Texas) – The design team leading the efforts for evaluating flood risk for colonias as listed by the Secretary of State's Office (SOS) will host a series of three kickoff meetings to inform the public of the upcoming planning study. Each county event is free and open to the public.
Hidalgo County Meeting
Tuesday, November 12
6:00 p.m.
Pharr Events Center
3000 Highway 281
Pharr, Texas
Willacy County Meeting
Wednesday, November 13
6:00 p.m.
Martin Cavazos Center
3830 N. West St.
Sebastian, Texas
Cameron County Meeting
Thursday, November 14
6:00 p.m.
San Benito Library
101 W. Rose St.
San Benito, Texas
The study will be administered by the Texas Water Development Board and is seeking information from local entities to fill the study gaps. The goal of the meetings is to provide public awareness of the Colonia Drainage Planning Study efforts and to examine the drainage infrastructure needs for the colonias and what drainage study and infrastructure gaps need to be filled to address them.
"This will be a study that its sole focus is to evaluate flood risk in colonias in three counties as identified by the SOS and determine how we can minimize those flood risks. We are planning to utilize the work already being done by the drainage districts, cities and counties to determine how we can maximize the reduction of flood risk in colonias and minimize the dollars needed by capitalizing on the good efforts done by the different entities."
— Robert Saenz, local lead engineer for the design team
The three town hall meetings will introduce the public to the design team and provide an opportunity to visit with engineers and planners about their drainage concerns. Mr. Saenz continued, "We ask residents to provide us firsthand knowledge of drainage concerns and come prepared to share and, if available, provide information to help validate the model that will be prepared during the study. The items that would be most helpful are photos and videos. Should anyone not have any of this documentation we will provide a short questionnaire at the meeting where they can document their experience. Pubic input is key for this study."
Everyone is invited to attend.
Media contact: Elizabeth Martinez at (956) 621-8662
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Team Announces Study Kickoff for Hidalgo, Cameron, and Willacy Counties
(PHARR, TEXAS) - The design team leading the efforts for evaluating flood risk for colonias as listed by the Secretary of State's Office (SOS) will be hosting a kickoff event to inform the public of the upcoming planning study Tuesday, November 12, 2013, 6:00 p.m. at the Pharr Event Center in Pharr, Texas. The event is free and open to the public. The study will be administered by the Texas Water Development Board and is seeking information from local entities to fill the study gaps. The goal of the meeting is to provide public awareness of the Colonia Drainage Planning Study efforts and to examine the drainage infrastructure needs for the colonias and what drainage study and infrastructure gaps need to be filled to address them.
"This will be a study that its sole focus is to evaluate flood risk in colonias in three counties (Hidalgo, Cameron, Willacy) as identified by the SOS and determine how we can minimize those flood risks. We are planning to utilize the work already being done by the drainage districts, cities, and counties to determine how we can maximize the reduction of flood risk in colonias and minimize the dollars needed by capitalizing on the good efforts done by the different entities."
— Robert Saenz, local lead engineer for the design team
The town hall meeting will introduce the public to the design team and give an opportunity to visit with engineers and planners about their drainage concerns. We are asking residents that have firsthand knowledge of drainage concerns to come prepared to share and, if available, provide information to help validate the model that will be prepared during the study. The items that would be most helpful are photos and videos. Should you not have any of this documentation we will be providing a short questionnaire at the meeting where you can document your experience.
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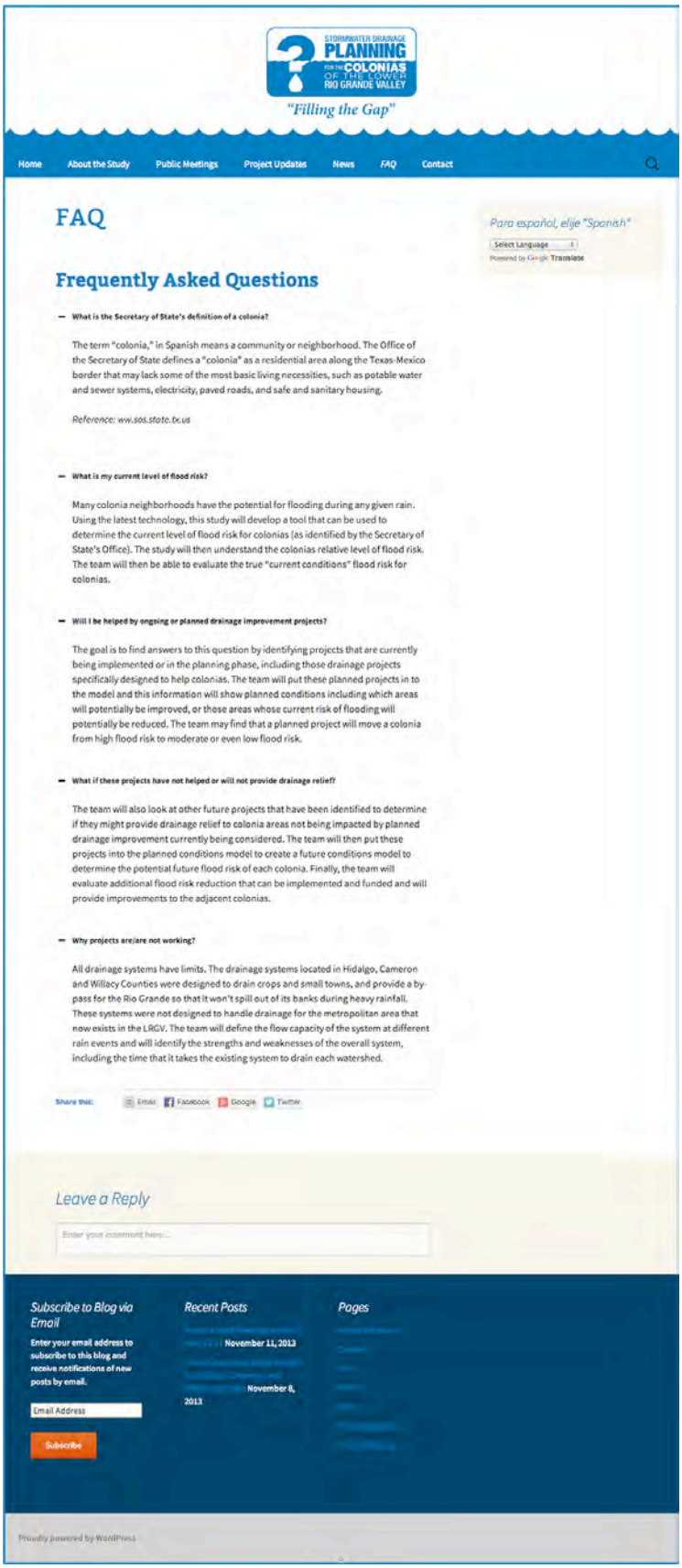
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Frequently Asked Questions
What is the Secretary of State's definition of a colonia?
The term "colonia," in Spanish means a community or neighborhood. The Office of the Secretary of State defines a "colonia" as a residential area along the Texas-Mexico border that may lack some of the most basic living necessities, such as potable water and sewer systems, electricity, paved roads, and safe and sanitary housing.
Reference: ww.sos.state.tx.us
What is my current level of flood risk?
Many colonia neighborhoods have the potential for flooding during any given rain. Using the latest technology, this study will develop a tool that can be used to determine the current level of flood risk for colonias (as identified by the Secretary of State's Office). The study will then understand the colonias relative level of flood risk. The team will then be able to evaluate the true "current conditions" flood risk for colonias.
Will I be helped by ongoing or planned drainage improvement projects?
The goal is to find answers to this question by identifying projects that are currently being implemented or in the planning phase, including those drainage projects specifically designed to help colonias. The team will put these planned projects in to the model and this information will show planned conditions including which areas will potentially be improved, or those areas whose current risk of flooding will potentially be reduced. The team may find that a planned project will move a colonia from high flood risk to moderate or even low flood risk.
What if these projects have not helped or will not provide drainage relief?
The team will also look at other future projects that have been identified to determine if they might provide drainage relief to colonia areas not being impacted by planned drainage improvement currently being considered. The team will then put these projects into the planned conditions model to create a future conditions model to determine the potential future flood risk of each colonia. Finally, the team will evaluate additional flood risk reduction that can be implemented and funded and will provide improvements to the adjacent colonias.
Why projects are/are not working?
All drainage systems have limits. The drainage systems located in Hidalgo, Cameron and Willacy Counties were designed to drain crops and small towns, and provide a by-pass for the Rio Grande so that it won't spill out of its banks during heavy rainfall. These systems were not designed to handle drainage for the metropolitan area that now exists in the LRGV. The team will define the flow capacity of the system at different rain events and will identify the strengths and weaknesses of the overall system, including the time that it takes the existing system to drain each watershed.
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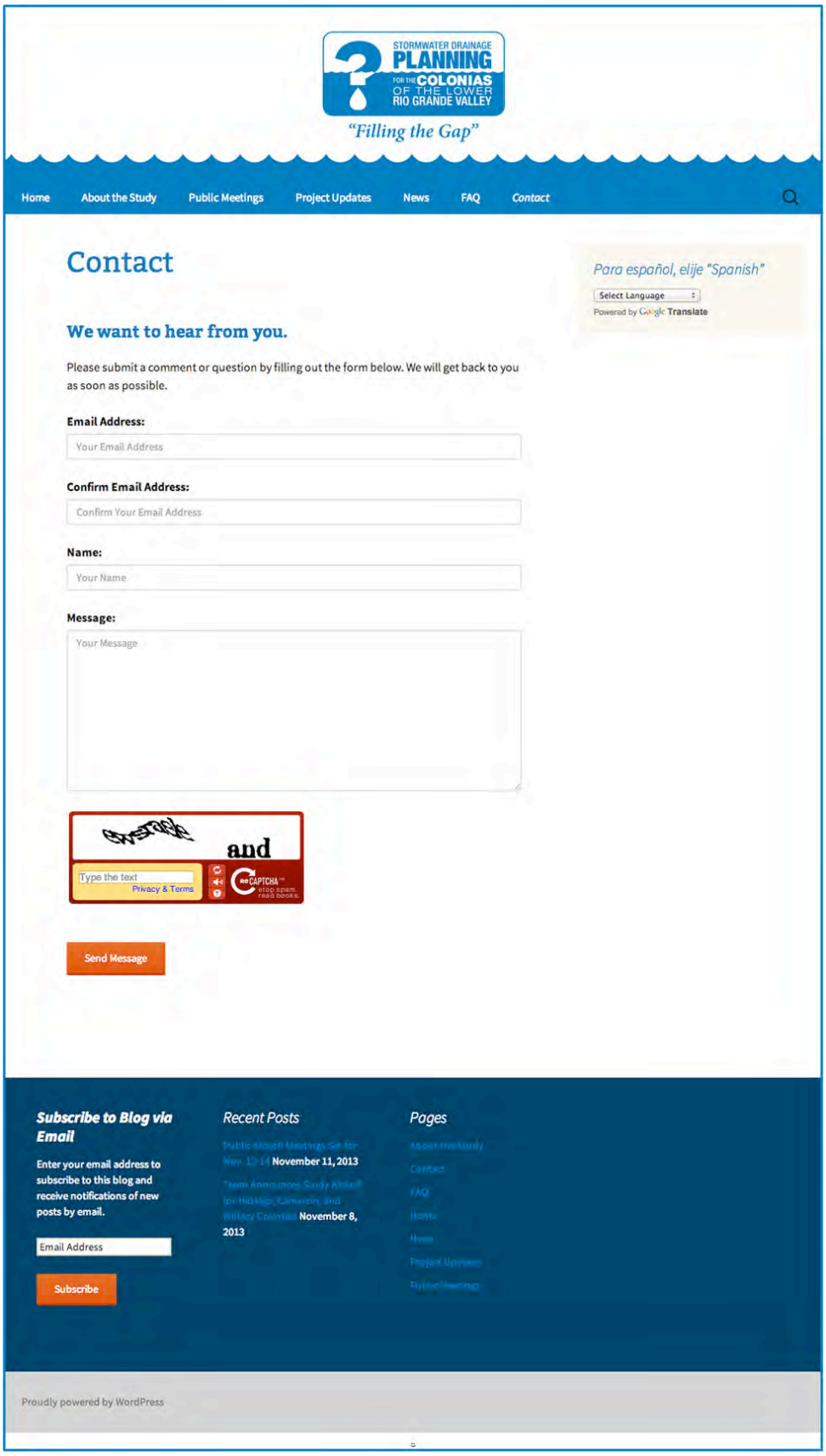
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Please submit a comment or question by filling out the form below. We will get back to you as soon as possible.
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Your Email Address
Confirm Email Address:
Confirm Your Email Address
Name:
Your Name
Message:
Your Message
and
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Opportunity to Help Improve Drainage in the Colonias

Join Us for a Townhall Meeting to Share Flooding and Drainage Concerns in Your Neighborhood.

PRESENTATION TOPICS

- Introduce drainage planning project
- Project goals and outcomes
- Drainage and flooding issues
- County drainage projects
- Community feedback

HOW YOU CAN HELP

- Invite your neighbors
- Come prepared to share
- Provide information
- Bring photos or video of flooding
- Provide us contact information

Please attend your county's meeting:

Hidalgo County Kickoff Meeting
TUESDAY, NOVEMBER 12
Pharr Events Center
3000 HWY 281, PHARR

Willacy County Kickoff Meeting
WEDNESDAY, NOVEMBER 13
Martin Cavazos Center
3830 N. WEST ST., SEBASTIAN

Cameron County Kickoff Meeting
THURSDAY, NOVEMBER 14
SAN BENITO LIBRARY
101 W. ROSE ST., SAN BENITO

All meetings will be from
6:00 PM – 7:00 PM

Everyone invited!

STORMWATER DRAINAGE PLANNING FOR THE COLONIAS OF THE LOWER RIO GRANDE VALLEY

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Oportunidad para Ayudar a Mejorar el Sistema de Drenaje en las Colonias

Acompáñenos en Esta Junta Para Compartir sus Preocupaciones Sobre los Asuntos de Drenaje e Inundación en su Colonia.

Junta Inicial del Condado de Hidalgo
MARTES, 12 DE NOVIEMBRE • 6PM–7PM
Centro de Eventos de Pharr
3000 CARRETERA 281, PHARR

Junta Inicial del Condado de Willacy
MIERCOLES, 13 DE NOVIEMBRE • 6PM–7PM
Centro Martin Cavazos
3830 N. CALLE WEST, SEBASTIAN

Junta Inicial del Condado de Cameron
JUEVES, 14 DE NOVIEMBRE • 6PM–7PM
Biblioteca de San Benito
101 W. CALLE ROSE, SAN BENITO

¡Todos están invitados!

PLANIFICACIÓN DE DRENAJE DE AGUAS PLUVIALES DE LAS COLONIAS DEL VALLE DEL RIO GRANDE

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NEWS RELEASE

November 11, 2013 **Contact: Robert Saenz**
FOR IMMEDIATE RELEASE **(956) 664-0286**

The Stormwater Drainage Planning for the Colonias of the Lower Rio Grande Valley Design Team Announces Study Kickoff for Hidalgo, Cameron, and Willacy Counties.

(PHARR, TEXAS) – The design team leading the efforts for evaluating flood risk for colonias as listed by the Secretary of State's Office (SOS) will be hosting a kickoff event to inform the public of the upcoming planning study Tuesday, November 12, 2013, 6:00 p.m. at the Pharr Event Center in Pharr, Texas. The event is free and open to the public. The study will be administered by the Texas Water Development Board and is seeking information from local entities to fill the study gaps. The goal of the meeting is to provide public awareness of the Colonia Drainage Planning Study efforts and to examine the drainage infrastructure needs for the colonias and what drainage study and infrastructure gaps need to be filled to address them.

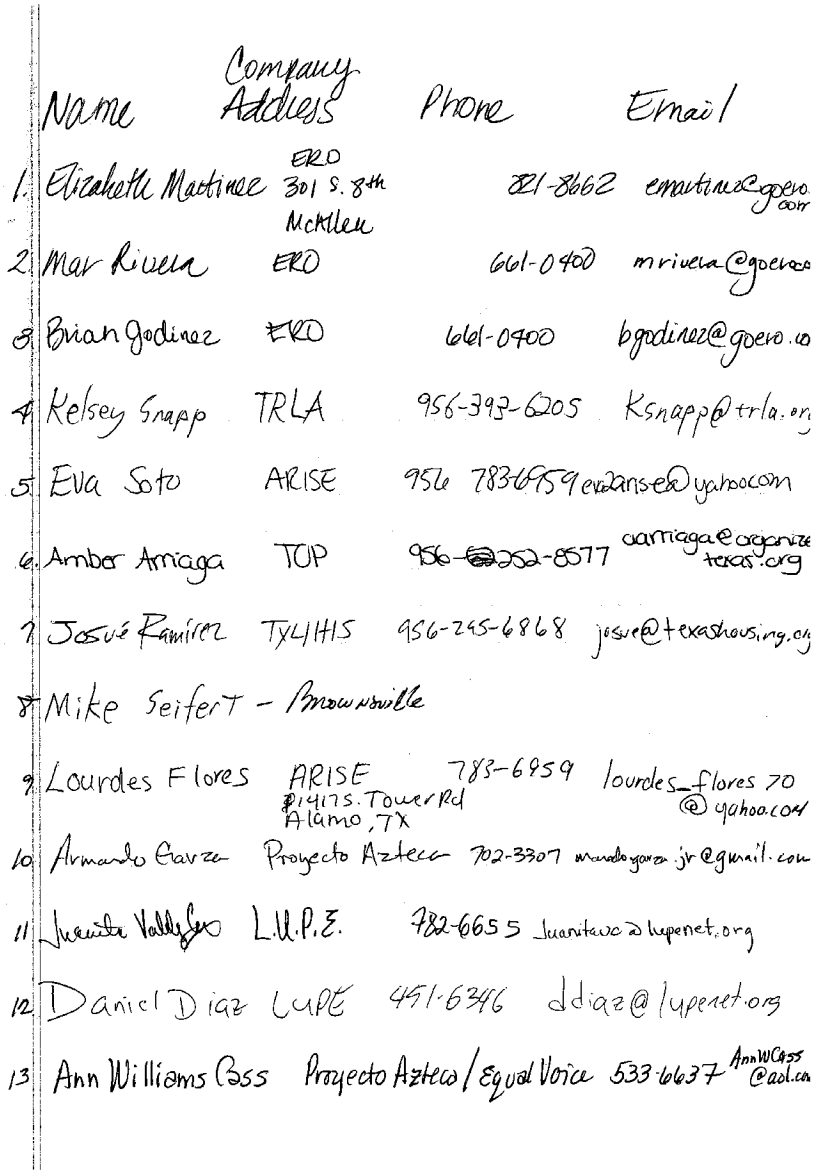
Robert Saenz local lead engineer for the design team stated, "This will be a study that its sole focus is to evaluate flood risk in colonias in three counties (Hidalgo, Cameron, Willacy) as identified by the SOS and determine how we can minimize those flood risks. We are planning to utilize the work already being done by the drainage districts, cities, and counties to determine how we can maximize the reduction of flood risk in colonias and minimize the dollars needed by capitalizing on the good efforts done by the different entities."

The town hall meeting will introduce the public to the design team and give an opportunity to visit with engineers and planners about their drainage concerns. We are asking residents that have firsthand knowledge of drainage concerns to come prepared to share and, if available, provide information to help validate the model that will be prepared during the study. The items that would be most helpful are photos and videos. Should you not have any of this documentation we will be providing a short questionnaire at the meeting where you can document your experience. Everyone is invited to attend. For more information about our event please visit our website at www.LRGVDrainage.org.

Coordination Meeting

Meeting Sign-in Sheet

On October 20, The Halff and ERO team met with Ann Cass of Proyecto Azteca and with individuals that she invited that would help coordinate our efforts in promoting the three kickoff events in the three counties. Below is a list of the individuals who participated in the meeting and helped with public outreach in the colonias.



	Name	Company Address	Phone	Email
1.	Elizabeth Martinez	ERO 301 S. 8th McAllen	821-8662	emartinez@goero.com
2.	Mar Rivera	ERO	661-0400	mrivera@goero.com
3.	Brian Godinez	ERO	661-0400	bgodinez@goero.com
4.	Kelsey Snapp	TRLA	956-393-6205	Ksnapp@trla.org
5.	Eva Soto	ARISE	956 7836959	evazarise@yahoo.com
6.	Amber Arriaga	TOP	956-[illegible]252-8577	aarriaga@organizetexas.org
7.	Josué Ramirez	TX4HIS	956-245-6868	josue@texashousing.org
8.	Mike Seifert – Brownsville			
9.	Lourdes Flores	ARISE 814 S. Tower Rd Alamo, TX	783-6959	lourdes_flores70@yahoo.com
10.	Armando Garza	Proyecto Azteca	702-3307	[illegible]
11.	Juanita Valdez	L.U.P.E.	782-6655	Juanitav@lupenet.org
12.	Daniel Diaz	LUPE	451-6346	ddiaz@lupenet.org
13.	Ann Williams Cass	Proyecto Azteca / Equal Voice	533-6637	AnnWCass@aol.com

	Name	Company	Email Address	Phone
14.	Joey Trevino	Halff	jtrevino@halff.com	
15.	Wes Birdwell	Halff	wbirdwell@halff.com	
16.	Robert Suarez	Halff	rsuarez@halff.com	
17.	Markend Chavez	TRLA	mchavez@trla.org	
18.				

Public Meetings

Hidalgo County Meeting Flyer - English

Opportunity to Help Improve Drainage in the Colonias

Join Us for a Townhall Meeting to Share Flooding and Drainage Concerns in Your Neighborhood.

PRESENTATION TOPICS

- Introduce drainage planning project
- Project goals and outcomes
- Drainage and flooding issues
- County drainage projects
- Community feedback

HOW YOU CAN HELP

- Invite your neighbors
- Come prepared to share
- Provide information
- Bring photos or video of flooding
- Provide us contact information

Hidalgo County Kickoff Meeting
TUESDAY, NOVEMBER 12
6:00 PM – 7:00 PM
Pharr Events Center
3000 HWY 281, PHARR

All presentations and materials will be available in Spanish and English

STORMWATER DRAINAGE PLANNING FOR THE COLONIAS OF THE LOWER RIO GRANDE VALLEY

"Filling the Gap"

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Hidalgo County Flyer - Spanish

Oportunidad para Ayudar a Mejorar el Sistema de Drenaje en las Colonias

Acompáñenos en Esta Junta Para Compartir sus Preocupaciones Sobre los Asuntos de Drenaje e Inundación en su Colonia.

TEMAS DE LA PRESENTACIÓN

- Introducir el proyecto de planificación de drenaje
- Metas y resultados del proyecto
- Asuntos de inundación y drenaje
- Proyectos de drenaje del condado
- Comentarios de la comunidad

¿COMO PUEDE AYUDAR USTED?

- Invite a sus vecinos
- Venga preparado/a para participar
- Provea información
- Traiga fotos o video sobre problemas de inundación
- Provea datos de contacto

Junta Inicial del Condado de Hidalgo

MARTES, 12 DE NOVIEMBRE

6:00 PM – 7:00 PM

Centro de Eventos de Pharr

3000 CARRETERA 281, PHARR

Todas las presentaciones y materiales estarán disponibles en ingles y español

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Meeting Agenda

The agenda was revised for each county, but kept the same program.

STORMWATER DRAINAGE PLANNING FOR THE COLONIAS OF THE LOWER RIO GRANDE VALLEY

"Filling the Gap"

AGENDA

KICKOFF MEETING

Thursday, November 14, 2013

A. Welcome - Cameron County Judge Carlos Cascos

B. Project Overview - Robert Saenz & Jose Leal

C. Visit with Design Team

D. Adjourn

Hidalgo County Sign-in Sheet

STORMWATER DRAINAGE PLANNING FOR THE COLONIAS OF THE LOWER RIO GRANDE VALLEY

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	Name / Nombre	Address / Domicilio	Phone / Teléfono
1	Elizabeth Martinez	300 S. 8th St McAllen	956-661-0900
2	Brian Godinez	300 S. 8th St. McAllen	956-661-0900
3	Santiago DeLeon	5913 Barbara St mercedes	956-684-9126
4	Araceli DeLeon	5913 Barbara St mercedes	
5	Erika deLeon	9637 N mile 2W mercedes	
6	Hortencia Medina	ARISE 212 San Bernardino Alamo TX	783 8517
7	Enedina Esparza		(956313-3810)
8	LEONOR T OLIVAREZ	4008 Jam St Edinburg TX (78542)	
9	Maria C Rodriguez	2 Carl St Edinburg tx	(283-15-01)
10	Adrian Guerra	302 W. University (956)318-2600	
11	Rick Alvarez	County Judge's Office	318-2600
12	Eva Soto	209 San Bernardino	414-0584
13	Gloria Lopez	213 Nannette	702-8437
14	Juan Hernandez	Hernandez Dr 1906 Edinb	2627680
15	[illegible]		318-2380
16	Maria C Garcia	1312 Village Cir Alamo	563-1074
17	Maria E Quintanilla	633 RUS TX Pasmil Pas	223-31-89
18	Teresa Barrera	427 Blue Yas L.T. Donna	783-7676
19	Alma G Gonzales	PO Box 445 La Blanca	393-8776
20			
21	Oralia Morones	1827 E Mile 13 N Donna TX 78537	
22			(956) 756-2846
23	Hermelinda Morones	8711 Tex Mex Edinburg TX 78542	
24	Gilberto Serna		956 313-[illegible]
25	Amber Arriaga	PO box 2130 San Juan, TX	252-8577
26	Maria S Pruneda	507 Ann Bl. Mission	5877935
27	Ma de la luz Bueno	12591 Tejas Mercedes	6840180
28	Norma Velazquez	Mercedes	6843152
29	Patricia A. Acuña	25404 Lily Dr. Mission	240-8247
30	Yolanda Riveros	5308 Lily Dr. Missio	240-1143

STORMWATER DRAINAGE PLANNING FOR THE COLONIAS OF THE LOWER RIO GRANDE VALLEY

"Filling the Gap"

	Name / Nombre	Address / Domicilio	Phone / Teléfono
1	Thomas Mountz	Austin TX	—
2	Cindy Engelhardt	Austin, TX	—
3	Jeff Wald	VA	—
4	Phil Hampsten	Austin TX	—
5	Scott Hicks	Austin, TX	—
6	Raul Garcia	Halff Associates, McAllen, TX	(956) 664-0286
7	Marcos Diaz	Halff Associates, McAllen	956 664-0286
8	Joey Trevino	Halff	956 664-0286
9	Ben Macias	Halff	956-664-0286
10	Jack C. Brown	Brown, Leal & Assoc	956 428-4014
11	Martha Sug	2104 Goldcrest McAllen	787-22.33
12	Mariel Torres	Halff Associates, McAllen	956-664-0286
13	Daniel Diaz	~~442~~ Lupe	451-6346
14	Andrea Landeros	ARISE 202 San Bernardino	956 702-7780
15	Ma Guadalupe Sotelo	ARISE-533 Jaguar DR. alamo	956.5022447
16			
17	Teresa Azuara	8121 Derby Ave	5296847
18	Esperanza Barrones	4212 Jam Square Edinburg TX	292-4095
19	Rosalda Flores	8219 Der Byst Edinburg	-
20	Ramon Garcia	822 W Univ. Edinburg	383-7xxx
21	Jacob Fischler	TCEQ Monitor	956-683-4472
22	Bill Heckert	City of Pharr, 118 S. Cage	956-402-4242
23	Amelia Garcia	Sanches Ranch	
24	Jesus Garcia	Sanches Ranch.	
25	Roy Garcia	118 S. Cage Blvd.	956-787-9772
26	Lourdes Flores	ARISE 1417 S. Tower	783-6959
27	Tito Palacios		
28	Juan Rivera	911 E Thomas Rd APT 232	956 562-3675
29	Cristela Rocha	3537 Cessna Av./ Trenton Mines	789-1068
30	MARCELA QUEZADA	6611 S. TRAIL DR. EDINBURG TX 78542 COL. TOWER TRAILS #2	309-2247

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STORMWATER DRAINAGE PLANNING FOR THE COLONIAS OF THE LOWER RIO GRANDE VALLEY

"Filling the Gap"

	Name / Nombre	Address / Domicilio	Phone / Teléfono
1	Luis C Lopez	La Blanca TX	956-215-4114
2	Joe Phillips	PO BOX 1810 McAllen 78505	956-778-5500
3	maria del Rosario Salazar	4713 Jerry Ave Mission	956 600-0503
4	Alejandro Palafox	4713 Jerry Ave. Palmhurst, tx	(956) 599-3126
5	Leonel Silvestre G.	3812 Campaccas Dr. Mercedes	332 6363
6	Agapita Silvestre	3812 Campaccas Dr. Mercedes	956) 332 6363
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STORMWATER DRAINAGE PLANNING FOR THE COLONIAS OF THE LOWER RIO GRANDE VALLEY

"Filling the Gap"

	Name / Nombre	Address / Domicilio	Phone / Teléfono
1	Maria Romero.	7921 verbena st Edinbu	956-569-3813
2	Ampao Martinez	8904 Lorin Edinburg	383-7734
3	José & Rosie Equia	19300 Ebony Ave.	956 457-3208
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STORMWATER DRAINAGE PLANNING FOR THE COLONIAS OF THE LOWER RIO GRANDE VALLEY

"Filling the Gap"

	Name / Nombre	Address / Domicilio	Phone / Teléfono
1	LUZ M GONZALEZ	13331 ASH AVE la blanca	956)279-1668
2	Emma V. Alaniz	707 Navarro Ln Edinburg	956 5662345
3	Yvette Salinas	118. N. Chicago St. Alton TX	956)270-9339
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STORMWATER DRAINAGE PLANNING FOR THE COLONIAS OF THE LOWER RIO GRANDE VALLEY

"Filling the Gap"

	Name / Nombre	Address / Domicilio	Phone / Teléfono
1	Edith Lopez	19304 Ebony Ave. Edinburg, TX	215-4114
2	Guadalupe Medellin	5407 LILY DR mission	890-4420
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Hidalgo County Public Kickoff Meeting Pictures


STELLA ARTOIS


Cash Bar


Cash Bar

Meeting Notes

The Stormwater Planning for the Colonias of the Lower Rio Grande Valley initiative was introduced to the public at three meetings held in Hidalgo, Willacy and Cameron County over three days (Nov. 12-14

Hidalgo County Kickoff Meeting

Over 70 people gathered at the Pharr Events Center the evening of November 12 to learn about a new initiative called Stormwater Planning for the Colonias of the Rio Grande Valley.

Colonia residents visited with members of the design team organizing the initiative to explain what drainage and flooding problems occur in their neighborhood. The design team received over 30 comment forms the public providing valuable drainage information.

Willacy County Kickoff Meeting

Approximatley 35 people attended the public kickoff meeting held in Willacy County. The event took place at the San Martin Cavasos Center in Sebastian. Willacy County Judge Noe Gonzalez welcomed the audience and thanked the Stormwater Planing Team for the efforts to take place. He took the opportunity to also describe drainage projects that are and will be taking place in Willacy, especially in Sebastian.

Many residents of Sebastian were very concerned about the flooding after a short rain fall and provided shared their experiences with the design team members. Attendees took several blank comment forms and said they would distribute them to their neighbors.

Cameron County Kickoff Meeting

The Stormwater Planning for the Colonias of the Lower Rio Grande Valley project team held its Cameron County Kickoff Public Meeting on Thursday, November 14. Over 40 people joined Cameron County Judge Carlos Cascos at the San Benito Library to learn about the new initiative that will identify gaps regarding drainage in the colonias. Some individuls showed up with posters of pictures and others shared their stories with the design team.

Willacy County Flyer - English

Opportunity to Help Improve Drainage in the Colonias

Join Us for a Townhall Meeting to Share Flooding and Drainage Concerns in Your Neighborhood.

PRESENTATION TOPICS

- Introduce drainage planning project
- Project goals and outcomes
- Drainage and flooding issues
- County drainage projects
- Community feedback

HOW YOU CAN HELP

- Invite your neighbors
- Come prepared to share
- Provide information
- Bring photos or video of flooding
- Provide us contact information

Willacy County Kickoff Meeting
WEDNESDAY, NOVEMBER 13
6:00 PM – 7:00 PM
Martin Cavazos Center
3830 N. WEST ST., SEBASTIAN

All presentations and materials will be available in Spanish and English

STORMWATER DRAINAGE PLANNING FOR THE COLONIAS OF THE LOWER RIO GRANDE VALLEY

"Filling the Gap"

Everyone invited!

Free parking, snacks and beverages.

(956) 664-0286
www.LRGVDrainage.org

Willacy County Flyer - Spanish

Oportunidad para Ayudar a Mejorar el Sistema de Drenaje en las Colonias

Acompáñenos en Esta Junta Para Compartir sus Preocupaciones Sobre los Asuntos de Drenaje e Inundación en su Colonia.

TEMAS DE LA PRESENTACIÓN

- Introducir el proyecto de planificación de drenaje
- Metas y resultados del proyecto
- Asuntos de inundación y drenaje
- Proyectos de drenaje del condado
- Comentarios de la comunidad

¿COMO PUEDE AYUDAR USTED?

- Invite a sus vecinos
- Venga preparado/a para participar
- Provea información
- Traiga fotos o video sobre problemas de inundación
- Provea datos de contacto

Junta Inicial del Condado de Willacy

MIERCOLES, 13 DE NOVIEMBRE

6:00 PM – 7:00 PM

Centro Martin Cavazos

3830 N. CALLE WEST, SEBASTIAN

Todas las presentaciones y materiales estarán disponibles en ingles y español

PLANIFICACIÓN DE DRENAJE DE AGUAS PLUVIALES DE LAS COLONIAS DEL VALLE DEL RIO GRANDE

"Respondiendo a las Necesidades"

¡Todos están invitados!

Estacionamiento, refrescos y bocadillos gratis.

(956) 664-0286

www.LRGVDrenage.org

Willacy County Sign-in Sheet

Willacy County

STORMWATER DRAINAGE PLANNING FOR THE COLONIAS OF THE LOWER RIO GRANDE VALLEY
"Filling the Gap"

11/13/14

	Name / Nombre	Address / Domicilio	Phone / Teléfono
1	Leonor C Mendez	P.O. Box 459	232-1312
2	Ramiro Cavazos	Rt 1 Box 5104 Raymondville TX 78580	607-8822
3	Jose Muñoz	GMES	565-4637
4	Lydia Rocha	P.O. Box 301 Sebastian Tex	341-3230
5	Rebeca Anguiano	P.O. Box 420 Sebastian	398-7301
6	JEFF C. RIVIERA	GMCS.	373-0395
7	Juanita Guerrero	P.O. Box 90 Sebastian	347-3703
8			
9	Abel & Nasi Sienen	P.O. Box 324 Sebastian	248-259-3273
10	Noemi Perez	P.O. Box 285 Sebastian Tx	398-1676
11	Toni + Jesus Zamij-	P.O. Box 91Y Sebastian TX	454-7661
12	Chete Garcia	POB 829 SES TX	455 3073
13	Lorraine Martin	P.O Box 58 Sebastian	466-0825
14	Elizabeth Martinez		
15	Brian Godinez		
16			
17			
18	MARIA PEREZ	555 W. 7th SEBASTIAN	367-0123
19	Hermelinda Garcia	478 W Broadway Seb.	
20	Fernando Alvarez	595 W Coast Seb	597-2083
21	Yolanda Ratliff	P.O Box 537 Sebastian TX	264-4544
22	Zeke Mendez	P.O. 304 Seb.	
23	Eduardo Guzman	P.O. Box 936 Seb	466-6361
24	Marisela Saldana	13986 Whitewing Ln Sebastian	536-2696
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Willacy County Public Kickoff Meeting Pictures

2

Cameron County Flyer - English Version

Opportunity to Help Improve Drainage in the Colonias

Join Us for a Townhall Meeting to Share Flooding and Drainage Concerns in Your Neighborhood.

PRESENTATION TOPICS

- Introduce drainage planning project
- Project goals and outcomes
- Drainage and flooding issues
- County drainage projects
- Community feedback

HOW YOU CAN HELP

- Invite your neighbors
- Come prepared to share
- Provide information
- Bring photos or video of flooding
- Provide us contact information

Cameron County Kickoff Meeting
THURSDAY, NOVEMBER 14
6:00 PM – 7:00 PM
SAN BENITO LIBRARY
101 W. ROSE ST., SAN BENITO

All presentations and materials will be available in Spanish and English

STORMWATER DRAINAGE PLANNING FOR THE COLONIAS OF THE LOWER RIO GRANDE VALLEY

"Filling the Gap"

Everyone invited!

Free parking, snacks and beverages.

(956) 664-0286

www.LRGVDrainage.org

Cameron County Flyer - Spanish

Oportunidad para Ayudar a Mejorar el Sistema de Drenaje en las Colonias

Acompáñenos en Esta Junta Para Compartir sus Preocupaciones Sobre los Asuntos de Drenaje e Inundación en su Colonia.

TEMAS DE LA PRESENTACIÓN

- Introducir el proyecto de planificación de drenaje
- Metas y resultados del proyecto
- Asuntos de inundación y drenaje
- Proyectos de drenaje del condado
- Comentarios de la comunidad

¿COMO PUEDE AYUDAR USTED?

- Invite a sus vecinos
- Venga preparado/a para participar
- Provea información
- Traiga fotos o video sobre problemas de inundación
- Provea datos de contacto

Junta Inicial del Condado de Cameron

JUEVES, 14 DE NOVIEMBRE

6:00 PM – 7:00 PM

Biblioteca de San Benito

101 W. CALLE ROSE, SAN BENITO

Todas las presentaciones y materiales estarán disponibles en ingles y español

PLANIFICACIÓN DE DRENAJE DE AGUAS PLUVIALES DE LAS COLONIAS DEL VALLE DEL RIO GRANDE

"Respondiendo a las Necesidades"

¡Todos están invitados!

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(956) 664-0286

www.LRGVDrenage.org

Willacy County Sign-in Sheet

11/14/13

"Filling the Gap"

Name	Address	Email	Phone
Diana Sanchez	28258 Cactus Lane San Benito TX 78586		361-1442
Ernesto Hinojosa	Cameron County	.	247-3533
Salomon Torres	San Benito EDC		
Carlos Cascos, County Judge	1100 E Monroe B'ville, Tx		
Lupita Ortega	1390 Vl. Exp. 83, San Benito, Tx	lortega CSOS.texas.gov	956-245-39
Elsa Gonzalez	28703 Little America San Benito		970-4183
Benita Castillo	28204 Cactus Ln		956-276-9142
Hernan Lugo	RGEC	hlugo@rgec.net	

"Filling the Gap"

Name	Address	Email	Phone
Dina Cantu	28626. CACTUS LN		361-36-6
Reynario Villanueva	29042 Amigo LN San Benito, TX 78586	reyv2005@yahoo.com	241-1658
Ron Rogers	PO BOX SAN BENITO TX 7858	RROGERS@STARTCENTER.ORG	399-7818
Orelia Tracheta	24806 Birch st, San Benito Tx 78586	googis@yahoo.com	399-1645.
Vidal a Rosales	28894 SASKATCHEWAN SAN BENITO		956-357-1408
Marlene Chavez			

"Filling the Gap"

Name	Address	Email	Phone
Esther Lara	1259 Calle San Marcos San Benito TX	laraesther17@yahoo.com	(956) 5615922
Adalberto Lara	1259 Calle San Marcos San Benito TX	Lara.Adalberto@yahoo.com	(956) 561-4284

"Filling the Gap"

Name	Address	Email	Phone
Rosa Sanluis	422 E. Lincoln Ave. Harlingen TX.	rosasanluis00@hotmail.com	890-1550
Josue Ramirez	39642 Suntrail, Bayview, TX 78566	josueramirez08@gmai	956-2554868
Ramiro Gutierrez		rgutierrez@rgec.net	
[illegible]	29042 amigo [illegible]		990-4741
Alma ?. Ramirez	28592 Little America Lo. S/B		
Lucia Irachuta	24811 Birch st	limaslucy@yahoo	3991643
Jose [illegible]	24811 Birch St		3991643
Teresita Perez	24801 Birch St		(956) 990 2152

Cameron County Public Kickoff Meeting Pictures

2

Public Meeting Presentation

STORMWATER DRAINAGE PLANNING FOR THE COLONIAS OF THE LOWER RIO GRANDE VALLEY

"Filling the Gap"

PLANIFICACIÓN DE DRENAJE DE AGUAS PLUVIALES DE LAS COLONIAS DEL VALLE DEL RIO GRANDE

"Llenando el Espacio"

PRESENTATION BY

JSW & Associates, Inc. Hazard Mitigation Consultants | HALFF | RPS Espey

Administered by the Texas Water Development Board

Purpose of the Meeting

"Filling the Gap"

- Begin the community outreach efforts and inform you about this stormwater drainage planning initiative.
- Hidalgo County, Willacy and Cameron
- Collect input from colonia residents who continue to experience flooding.
- Receive input from other stakeholders to insure a successful outcome.

Texas Water Development Board – October 2013

Propósito de la Reunión

PLANIFICACIÓN DE DRENAJE DE AGUAS PLUVIALES DE LAS COLONIAS DEL VALLE DEL RIO GRANDE
"Llenando el Espacio"

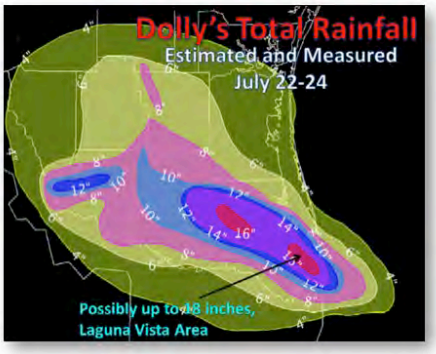
- Comenzar esfuerzos para extender información a la comunidad acerca de esta iniciativa de planificación de drenaje de aguas pluviales.
- El Condado de Hidalgo, Willacy y Cameron
- Obtener información de los residentes de las colonias que continúan teniendo inundaciones.
- Obtener información de otros grupos de interés para asegurar un resultado exitoso.

Texas Water Development Board – October 2013

History of the Study

STORMWATER DRAINAGE PLANNING FOR THE COLONIAS OF THE LOWER RIO GRANDE VALLEY
"Filling the Gap"

- Due to Hurricanes Dolly and Ike, funding became available.
- Funding used to develop "Analysis of Impediments to the Fair Housing" report.
- Several impediments were identified concerning colonia areas. Impediment No. 14 concerned with drainage in colonias.
- Administered/Supervised by the Texas Water Development Board.



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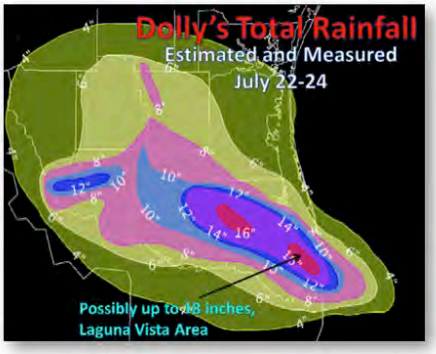
Historia del Estudio

- Debido a los huracanes Dolly y Ike financiamiento fue disponible.
- El financiamiento se utilizo para desarrollar el informe de “Análisis de Impedimentos para la Vivienda Equitativa”.
- Varios impedimentos se han identificado sobre las zonas de colonias. Impedimento No. 14 concierna con drenaje de colonias.
- Administrada/Supervisada por la Junta del Desarrollo del Agua de Texas.



Planning Team

- JSW & Associates, Inc.
- Halff Associates, Inc.
- RPS Espey
- R. Gutierrez Engineering Consultants
- Brown, Leal & Associates Engineers
- ERO Communications

Planificación de Equipo

- JSW & Associates, Inc.
- Halff Associates, Inc.
- RPS Espey
- R. Gutierrez Engineering Consultants
- Brown, Leal & Associates Engineers
- ERO Communications

Planning Objectives

- 3 County Focus:
  - » Hidalgo, Cameron and Willacy
- View drainage as a region and identify the capacity and ability of main systems to transport water out of the LRGV to the Gulf of Mexico.
- Emphasis on colonias that meet the definition of the SOS and its list.

Objetivos de la Planificación

- Enfocarse en tres condados:
  - » Hidalgo, Cameron y Willacy
- Ver el drenaje como área regional e identificar la capacidad y la habilidad de el sistema principal para transportar el agua hacia el Golfo de México.
- Poner énfasis en colonias que cumplen con la definición de la Secretaria del Estado y su lista.

Secretary of State: Colonia Definition

A community or neighborhood defined as a residential area along the Texas-Mexico border that may lack some of the most basic living necessities, such as potable water, sewer systems, electricity, paved roads and safe and sanitary housing.

Definición de Colonia por la Secretaria Del Estado

PLANIFICACIÓN DE DRENAJE DE AGUAS PLUVIALES DE LAS COLONIAS DEL VALLE DEL RIO GRANDE
"Llenando el Espacio"

Una comunidad o vecindad definida como un área residencial a lo largo de la frontera entre Texas y México, que puede carecer de algunas de las necesidades más básicas, como agua potable, sistemas de alcantarillado, electricidad, calles pavimentadas y viviendas seguras e higiénicas.

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LRGV Colonias

STORMWATER DRAINAGE PLANNING FOR THE COLONIAS OF THE LOWER RIO GRANDE VALLEY
"Filling the Gap"

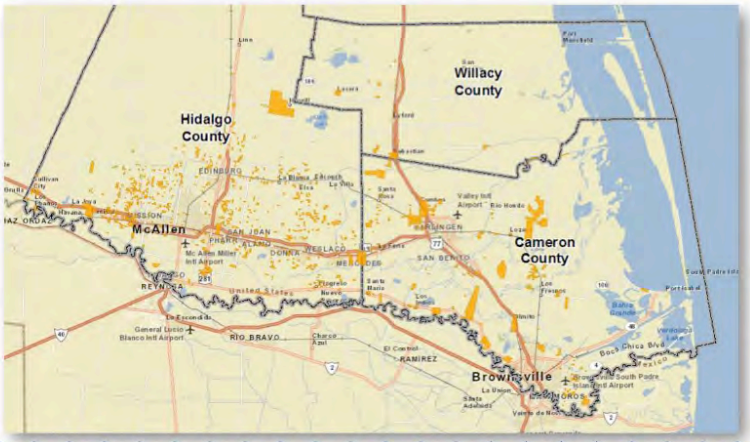
Identify projects that reduce flood risk for colonia areas within the three counties but does not include any construction of proposed improvements at this time.

Secretary of State LRGV Colonia Database by County	
Cameron	196
Hidalgo	943
Willacy	16
Total	**1,155**

Texas Water Development Board – October 2013

LRGV Colonias

Identificar proyectos que reduzcan los riesgos de inundación para las zonas de colonias dentro de los tres condados, mas no incluyen la construcción de las mejoras propuestas en este momento.



Datos de Colonias del LRGV por Condado del La Secretaria del Estado	
Cameron	196
Hidalgo	943
Willacy	16
Total	**1,155**

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Flooding in the LRGV

- Lower Rio Grande Valley is very flood prone.
- Originally a predominate farming community
- There are many cities located throughout the three county region.
- Experiencing rapid urban development growth.

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Inundaciónes en LRGV

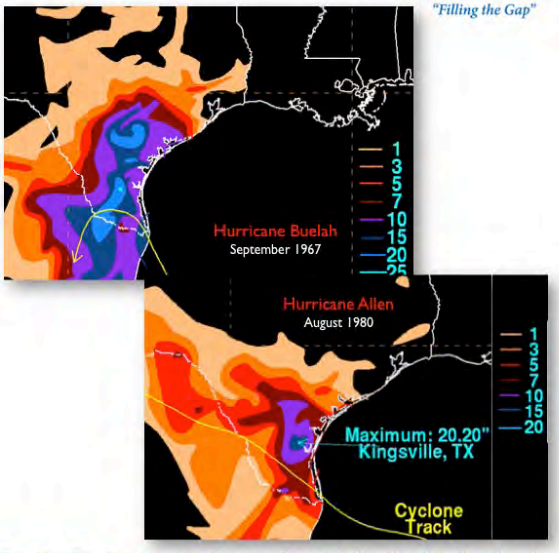
PLANIFICACIÓN DE DRENAJE DE AGUAS PLUVIALES DE LAS COLONIAS DEL VALLE DEL RIO GRANDE
"Llenando el Espacio"

- El Valle de Rio Grande es muy propenso inundación.
- Originalmente una comunidad predominante agrícola
- Hay muchas ciudades situadas a lo largo de la región de los tres condados.
- Experimentando un crecimiento rápido de desarrollo urbano.

Flooding in LRGV

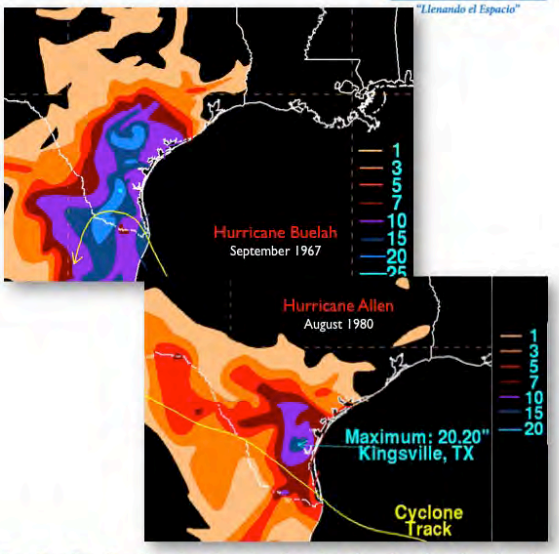
STORMWATER DRAINAGE PLANNING FOR THE COLONIAS OF THE LOWER RIO GRANDE VALLEY
"Filling the Gap"

- Subject to tropical storms
- No drainage to Rio Grande River
- Very flat terrain with many roads, canals and levee embankments
- Agriculture based gravity drainage system



Inundaciónes en LRGV

- Sujeto a tormentas tropicales.
- No hay drenaje hacia el Río Grande
- Terreno muy plano con muchos caminos, canales y terraplenes de diques.
- Agricultura basado en sistema de drenaje por gravedad



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LRGV Drainage

- Brownsville Drain
- IBWC South Floodway
- IBWC North Floodway
- Main Drain
- Raymondville Drain

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Distritos de Drenaje

- Drenaje de Brownsville
- Desagüé del sur de IBWC
- Desagüé del norte de IBWC
- Drenaje Principal
- Drenaje de Raymondville

Texas Water Development Board – October 2013

About the Study

- Conduct 3 public meetings in each county:
  - 1. Kickoff and introduction (2013)
  - 2. Status of findings (2014)
  - 3. Conclusions (2015)
- First study with focus on colonia flood risks
- Viewed as a single region and identify colonias throughout the region
- Latest technology used to develop the model for finding the drainage gaps
- Study will take approximately two years to complete

Texas Water Development Board – October 2013

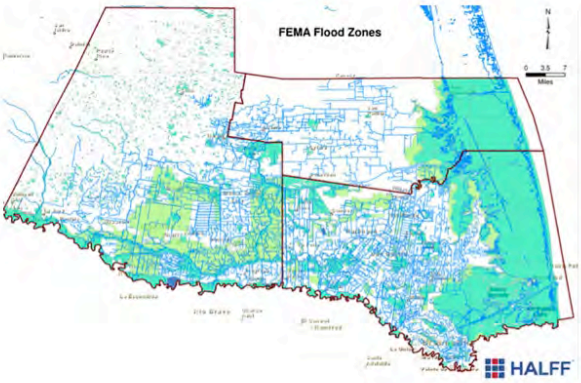
Sobre el Estudio

- Llevar a cabo tres reuniones públicas en cada condado:
  - » 1 - El inicio y la introducción (2013)
  - » 2 - Estado de resultados (2014)
  - » 3 - Conclusiones (2015)
- Primer estudio enfocándose en los riesgos de inundación de las colonias
- Visto como una sola región e identificar las colonia en toda la región
- Tecnología innovadora utilizada para desarrollar el modelo para encontrar las brechas de drenaje
- El estudio tomará aproximadamente dos años en completarse

Texas Water Development Board – October 2013

Process for "FINDING THE GAP"

- Definition of Gap - lack of knowledge needed to determine why colonias flood
- Prioritize colonias based on flood risk
- Identify the severity of flooding within the colonias
- Determine if water flows out of the colonia
- Identify capacity of the three county drainage system
- Understand the "Big Picture of Drainage"

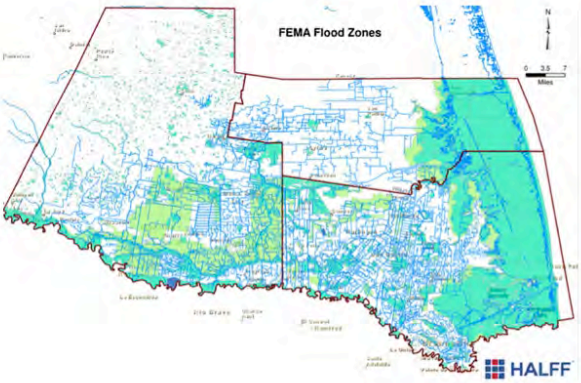


Texas Water Development Board – October 2013

Proceso para "ENCONTRAR EL ESPACIO"

PLANIFICACIÓN DE DRENAJE DE AGUAS PLUVIALES DE LAS COLONIAS DEL VALLE DEL RIO GRANDE
"Llenando el Espacio"

- Definición del Espacio – Es la falta de conocimientos necesarios para determinar por qué las colonias se inundan
- Dar prioridad a las colonias basado en el riesgo de inundación
- Identificar la severidad de las inundaciones en las colonias
- Determinar si el agua fluye fuera de la colonia
- Identificar la capacidad del sistema de drenaje de los tres condados
- Entender "El Panorama General"



Texas Water Development Board – October 2013

"FINDING THE GAPS"

STORMWATER DRAINAGE PLANNING FOR THE COLONIAS OF THE LOWER RIO GRANDE VALLEY
"Filling the Gap"

- Flooding because of insufficient drainage
- Visiting the colonias and seeing the drainage concerns first hand
- Learn about studies and improvements that have been done

Texas Water Development Board – October 2013

"ENCONTRANDO LOS ESPACIOS"

"Llenando el Espacio"

- Inundaciones por drenaje insuficiente
- Visitar las colonias y verificar de primera mano los problemas de drenaje.
- Aprender sobre estudios hechos y las mejoras que se han realizado

Texas Water Development Board – October 2013

"FINDING THE GAPS"

"Filling the Gap"

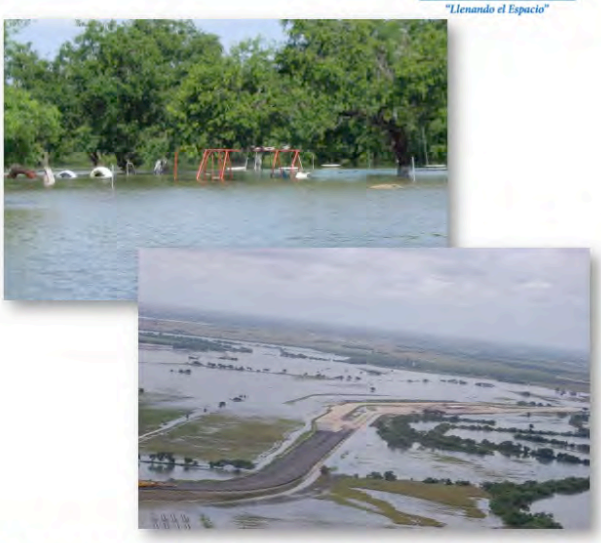
- Determine colonia areas that are still in need of improvements
- Seek help and build off of what has already been done
- Collecting information from colonias about flooding concerns

Texas Water Development Board – October 2013

"ENCONTRANDO LOS ESPACIOS"

"Llenando el Espacio"

- Determinar las zonas de colonias que todavía están en necesidad de mejoras
- Buscar ayuda para construir sobre lo que ya se sabe
- Colectar información en las colonias sobre las preocupaciones de inundación.



Texas Water Development Board – October 2013

Process for "FILLING THE GAP"

"Filling the Gap"

- Understand the drainage issues and the improvements needed
- Understand the level of flood risk
- Evaluate the drainage problems within colonias and develop cost effective alternatives to fix concerns
- Develop a fundable project list with project cost that will lower flood risk to colonias

Texas Water Development Board – October 2013

Proceso para “LLENAR EL ESPACIO”

PLANIFICACIÓN DE DRENAJE DE AGUAS PLUVIALES DE LAS COLONIAS DEL VALLE DEL RÍO GRANDE
“Llenando el Espacio”

- Entender los problemas de drenaje y las mejoras que se necesitan
- Entender el nivel de riesgo de inundación
- Evaluar los problemas de drenaje en las colonias y desarrollar alternativas económicas para corregir inquietudes
- Desarrollar una lista de proyectos financiables con su costo que reduzca el riesgo de inundaciones en las colonias

Texas Water Development Board – October 2013

“FILLING THE GAP”

STORMWATER DRAINAGE PLANNING FOR THE COLONIAS OF THE LOWER RIO GRANDE VALLEY
“Filling the Gap”

- Model the Drainage Improvements proposed by Entities
- Determine Benefits to Adjacent Colonias
- Understand Capacity of Regional System
- Identify & Develop Improvements to Provide Positive Drainage to Reduce Flood Risk for Colonias

Texas Water Development Board – October 2013

“LLENAR EL ESPACIO”

- Modelar las mejorías de drenaje propuestas por las entidades
- Determinar beneficios a Colonias inmediatas
- Entender la capacidad del sistema Regional
- Identificar y desarrollar mejorías para proporcionar un drenaje positivo y poder reducir el riesgo de inundaciones para las Colonias

Texas Water Development Board – October 2013

“FILLING THE GAP”

- Improvements may include:
  - » Drainage channels
  - » Storm drain systems
  - » Detention ponds
  - » Retention ponds
  - » Pumping systems

Texas Water Development Board – October 2013

"LLENAR LOS ESPACIOS"

PLANIFICACIÓN DE DRENAJE DE AGUAS PLUVIALES DE LAS COLONIAS DEL VALLE DEL RÍO GRANDE
"Llenando el Espacio"

- Las mejoras pueden incluir:
  - » Canales de drenaje
  - » Sistemas de drenaje de aguas pluviales
  - » Estanques de detención
  - » Estanques de retención
  - » Sistemas de bombeo

Texas Water Development Board – October 2013

How Can You Help

www.LRGVDrainage.org

- Please fill out the comment form
- Visit with our team and share your drainage concerns
- Tell your neighbors and visit our website to input pictures and drainage concerns
- When we visit your community, please feel free to talk to us and show us your drainage issues

STORMWATER DRAINAGE PLANNING FOR THE COLONIAS OF THE LOWER RIO GRANDE VALLEY

"Filling the Gap"

Texas Water Development Board – October 2013

Como Pueden Ayudar

www.LRGVDrenaje.com

- Por favor de llenar la forma de comentarios
- Hable con nuestro equipo y comparta sus inquietudes sobre el drenaje
- Comenté a sus vecinos y visite nuestro sitio web para aportar imágenes e inquietudes sobre el drenaje
- Cuando visitemos su comunidad, no dude en hablar con nosotros y comentar sobre sus inquietudes sobre drenaje en su comunidad

PLANIFICACIÓN DE DRENAJE DE AGUAS PLUVIALES DE LAS COLONIAS DEL VALLE DEL RIO GRANDE

"Llenando el Espacio"

Texas Water Development Board – October 2013

Appendix B

GIS Database

Appendix B.1

GIS Database

OAG Colonia Information

Appendix B.1 - OAG Colonia Information

The Colonias shapefile obtained from Attorney General of Texas Office (OAG) includes a database of record information from the OAG and TWDB. The information consists of plat dates, spatial location, population, existing infrastructure, historical flooding, and many other fields. Not all of the fields were populated or used in the analysis, however those that were, are illustrated in the two tables below: "Colonias Shapefile: Important Column Headers" and "Colonias Secretary of State & OAG Reference Fields".

The "Colonias Shapefile: Important Column Headers" table identifies the relevant fields in the OAG shapefile (Labeled as Colonias in the Geodatabase) and provides a brief description of the field properties. The "Colonias Sec of State & OAG Reference Fields" table shows the relationship between the relevant Colonias shapefile fields to the respective source table and field (as viewed on the OAG Colonia Website).

Colonias Sec of State & OAG Reference Fields				
Colonias Feature Class			Matching Reference Source*	
Colonias Header	Colonias Field Example	Description	Matching Reference Source	Header
FID_1	281		OAG	FID
MNUMBER	M1080091	Reference Number, each Colonia has a unique MNUMBER	OAG	MNUMBER
MNUMBER_1	M1080091	Reference Number, each Colonia has a unique MNUMBER - Copy	OAG	MNUMBER_1
SUBD_ID	1080091	Subdivision ID	OAG	SUBD_ID
COMM_NM	Basham #9	Community Name	OAG	COMM_NM
ALTERNATEN		Alternative Colonia Name	OAG	ALTERNATEN
COUNTYNAME	HIDALGO	County Name	OAG	COUNTYNAME
ESTIMATEDP	18	Estimated Population	OAG	ESTIMATEDP
NEARESTCIT		Nearest City	OAG	NEARESTCIT
INCORPORAT	N	Incorporated City	OAG	INCORPORAT
LOCATION			OAG	LOCATION
AREA_ACRES	0	Area in Acres	OAG	AREA_ACRES
PROJECTEDP	0		OAG	PROJECTEDP
TWDB_ID	LK71	ID from TWDB	TWDB	TWDB_ID
SD_DATE	<Null>		OAG	ITEM DESC #1
SD_VOLUME	22		OAG	ITEM DESC #4
SD_PAGE	148		OAG	ITEM DESC #5
SD_OAGACRE	20.002988		OAG	ITEM DESC #6
COLOR_CLAS	Green	Infrastructure level from Senate Bill 827	SOS	ITEM DESC #1
COLONIA_NM	Basham #9	Colonias name	TWDB	COLONIA_NM
PRIV_WELL	No	Private Well	SOS	ITEM DESC #8
HAULED_IN	No		SOS	ITEM DESC #9
WW_COLLECT	Yes	Waste Water Collected	SOS	ITEM DESC #10
INADEQUATE	No		SOS	ITEM DESC #11
TRASH_COLL	Yes	Trash Collected	SOS	ITEM DESC #12
RAINFALL_F	No	Rainfall	SOS	ITEM DESC #13
IN_FLOODPL	No	In floodplain	SOS	ITEM DESC #14
RDS_PASSAB	Yes	Roads Passable	SOS	ITEM DESC #15
RDS_PAVED	Yes	Roads Paved	SOS	ITEM DESC #16

**See table in link below*

https://maps.oag.state.tx.us/colgeog/colgeog_online.html#

Colonias Shapefile: Important Column Headers

Colonias Feature Class Header	Description
MNUMBER	Unique ID for each Colonia
ALTERNATEN	Alternate Colonia Name
COUNTYNAME	County Name
ESTIMATEDP	Estimated Population OAG
LOCATION	Description of Colonia's approximate location
TWDB_ID	Texas Water Development Board ID
PLATDATERE	Colonias Plat Date, identifies subdivision (with verification)
PLATVOLUME	Value and Page number of Plat entry
PLATPAGE	Page Number of Plat Entry
COLOR_CLAS	Existing Infrastructure (Based on Senate Bill 827)
TRASH_COLL	Trash Collection
IN_FLOODPL	In Floodplain (From Website, Not used)
RDS_PASSAB	Roads Passable
RDS_PAVED	Roads Paved
INFRASTRUC	Infrastructure Description
SOS_Alt	Name Match on Secretary of State Alternate Name (Yes/No)
SOS_Name	Name Match on Secretary of State Original Name (Yes/No)
SOS_Col	Colonias is on Secretary of State List (Yes/No)
FldWay	FEMA Floodway
FEMA_FP	FEMA Floodplain
ETJ_CityNa	Name of ETJ
CityLmt_Nm	Name of City
City_Bndry	Type of Boundary
Land_Use	Land Use
NAME	ETJ or City Name
TYPE	Type of Boundary
FULL_NAME	Full Name of City or ETJ Name
HistoricFl	Historic Flooding
ModelSubdv	Model Subdivision Date
PblCmtsRPS	Public Comments from RPS (Yes/No) See Public Meeting Comments Feature Class in GIS Analysis Feature Dataset
EstPopTWDB	Estimated Population from Texas Water Development Board
In_DD	Is Colonia inside a Drainage District
ExStdyInfo	Existing Study Information
CrntProj	Current Project within Colonia
SoilSrvy	SSURGO Soil Survey
MdlSbdv_YN	Model Subdivision
ReCls1Sqft	Reclassify Ponding Area (Total area of ponding 0-0.499 ft.)
ReCls2Sqft	Reclassify Ponding Area (Total area of ponding 0.5-1 ft.)
ReCls3Sqft	Reclassify Ponding Area (Total area of ponding 1-2 ft.)
ReCls4Sqft	Reclassify Ponding Area (Total area of ponding 2-3 ft.)
ReCls5Sqft	Reclassify Ponding Area (Total area of ponding 3-4 ft.)
ReCls6Sqft	Reclassify Ponding Area (Total area of ponding 4-8 ft.)
ReCls7Sqft	Reclassify Ponding Area (Total area of ponding 8-45 ft.)
ReClsSumAl	Total Sqft Sum of ReCls1 - 7
ReClsSm2_7	Total Sqft Sum of ReCls2 - 7 (Ponding .5 ft. or greater identified as significant)
R_PctFill	Percent of area with Significant ponding (ReClsSm2_7 / Total Area)

Path:AUS_Staging_catalog.gdb\GIS_Analysis\Colonias

Appendix B.2.a

GIS Database

LRGV Study and Project Catalogs

Explanation of Collected Data

Appendix B.2 - LRGV Study and Project Catalogs

B.2.a Explanation of Collected Data

The data received from local agencies and public outreach meetings through the Data Collection effort was reviewed and cataloged in the Geodatabase as Projects and Studies. Studies covered a larger area, typically at the county or regional level and focused on analyzing larger problems or conditions. Project covered smaller areas, typically one site or roadway, and provided a specific solution to a problem. Some studies catalog came with GIS and modeling data, while other just had project plan sets. The projects and studies received from the Data Collection were of a varying degree of quality. . Some studies had accompanying GIS and other analysis data, while others had only a PDF plan set. Each Project and Study received was reviewed to identify the level of quality of the data and the general Project or Study Area. Each project and study area was captured spatially in the geodatabase via the catalog. The quality of each Project and Study is captured in the attribute tables of the Project and Study feature classes in the Geodatabase. A summary of these attribute tables are listed in Tables B.2.b Summary of Studies and B.2.c Summary of Projects below. By spatially cataloging each Project and Study, any previous studies can be reviewed and analyzed before a study or project is begun thus reduce redundancy and increasing the quality of work.

Appendix B.2.b

GIS Database

LRGV Study and Project Catalogs

Summary of Studies

Summary of Studies

OID	Study Title	Date	Projects Planned	Funding Secured	Funding Source	Projects Identified	Report Available	Implemented
1	1969 MultiCounty USDA Comp Study Development Plan	7/1/1969	No	No	No	Yes	Yes	No
2	2006 2008 All ACOE Raymondville Drain	1/1/2008	No	No		No	Yes	No
3	2012 Hidalgo WIllacy TWRDA FDAR	8/12/2012	Yes	No		Yes	Yes	No
4	2011 MultiCounty Disaster Recovery	1/1/2011	No	No		No	No	No
5	2011 Hildalgo CityPharr Study	7/19/2011	Yes	No		Yes	Yes	No
6	2012 Hidalgo CItyPharr Study	6/28/2012	Yes	No		Yes	Yes	No
7	2009 HCDD1 AguilarPond	6/3/2009	Yes	No		Yes	No	No
8	2007 HCDD1 AlamoDrain	4/7/2007	Yes	No		Yes	Yes	No
9	HCDD1 AlamoExpresswayDrain		Yes	No		Yes	No	No
10	1989 HCDD1 BentsenRoadCrossing	6/12/1988	Yes	Yes		Yes	No	Yes
11	2009 HCDD1 BridgeAvenue DrainageImprovements	1/1/2009	Yes	Yes		Yes	No	Yes
12	2009 HCDD1 MaintenanceRepair IBWCFloodwaySystem	1/1/2009	Yes	No		Yes	No	Varies
13	2009 HCDD1 DickersonPond	3/16/2009	Yes			Yes	No	
14	2007 HCDD1 EastDonnaDrain	1/1/2007	No			No	No	No
15	1976 HCDD1 LakeEdinburgDiversionFacilities	1/1/1976	Yes			Yes	No	
16	1986 HCDD1 EdinburgStub PSJM Lateral	7/21/1986	Yes	Yes		Yes	No	Yes
17	1960 HCDD1 ElsaEdcouch DrainDitch	9/1/1960	Yes			Yes	Yes	
18	2005 HCDD1 Goodwin Drain	1/1/2005	No			No	No	No
19	2005 HCDD1 FEMA Countywide FloodMapModernizationProject	12/31/2005	Yes			Yes		Yes
20	2007 HCDD1 MasterDrainageProject PhaseII	4/7/2007	Yes	No	HCDD1	Yes	Yes	No
21	2011 Cameron							
22	HCDD1 HidalgoDrain		No	No		No	No	No
23	2000 2013 HCDD1 FEMA LOMA LOMR Reports	1/1/2000	No			No	Yes	No
24	1937 HCDD1 IBWC FloodControlProject	6/22/1937				No	No	
25	2006 HCDD1 Lateral L-02-01 Outfall	1/1/2006	Yes			Yes	No	
26	1982 HidalgoCounty Mcallen BluelineDitches	3/22/1982	Yes	No		Yes	Yes	No
27	1996 HildalgoCounty SouthMcallenMission Study	3/23/1996	Yes	No		Yes	Yes	No
28	1999 HidalgoCounty MissionMasterPlan	1/1/1999	Yes	No		Yes	Yes	

OID	Study Title	Date	Projects Planned	Funding Secured	Funding Source	Projects Identified	Report Available	Implemented
29	2002 2006 HidalgoCounty Mcallen MasterDrainagePlan	1/1/2002	Yes	No		Yes	Yes	No
30	1996 HidalgoCounty Weslaco Study	4/18/1996	Yes	No		Yes	Yes	
31	1988 Hdalgo HCDD1	12/31/1987						
32	1989 Hidalgo HCDD1	9/8/1989						
33	1990 Hidalgo HCDD1	9/8/1989						
34	1991 Hidalgo HCDD1	3/25/1991						
35	1983 Willacy WCDD1	5/19/1983						
36	1985 Willacy WCDD1	12/17/1985						
37	1980 Willacy WCDD1							
38	2005 Hidalgo HCDD1 HCP3	2/23/2005						
39	2010 Hidalgo ROW	1/27/2010						
40	1984 Hidalgo HCDD1	4/1/1984						
41	1985 Hidalgo HCDD1	8/1/1985						
42	1986 Hidalgo HCDD1	12/1/1986						
43	1987 Hidalgo HCDD1	8/17/1987						
44	1996 HIdalgo Public Works	11/8/1996						
45	2008 Hidalgo HCDD1	3/2/2009						
46	HCCD1 SOUTH PHARR LATERAL		No					No
47	HCCD1 TIERRA DORADA DRAIN		No					No
48	HCCD1 WESLACO DRAIN	10/25/2011	No					No
49	HCCD1 PSJA SOUTH		No					No
50	HCCD1 RADO ALTERNATE	1/1/1988	No					No
51	HCCD1 RANCHO SANTA CRUZ LATERAL		No					No
52	HCCD1 SOUTH FLOODWATER CHANNEL		No					No
53	Master Drainage System	1/1/1985	Yes					
54	Master Drainage System North Main Drain	7/16/1987	Yes					
55	Perezville Drain Improvements	7/29/1987	Yes					
56	Pharr-McAllen Lateral	7/24/1987	Yes					
57	HCCD1 East Lateral Drain	1/1/1988	Yes					
58	HCCD1 Mcallen Lateral Excavation and Structures	4/4/1989	Yes					No
59	Hidalgo Protective Levee Improvement Project	10/25/2011	Yes					No
60	Mission Protective Levee Improvement Projec	7/26/2010	Yes					No
61	Advocate Colonias Disaster Relief							

OID	Study Title	Date	Projects Planned	Funding Secured	Funding Source	Projects Identified	Report Available	Implemented
62	2007 HCDD1 MasterDrainageProject PhaseII	4/7/2007	Yes	No	HCDD1	Yes	Yes	No
63	Hydraulic Model of the Rio Grande and Floodways within the Lower Rio Grande Flood Control Project	6/1/2003	No	No	IBWC	No	Yes	No
64	Cameron County Drainage District #5 Flood Protection Plan	10/30/2008	No	No	TWDB	Yes	Yes	No
65	City of La Feria Flood Protection Plan	7/5/2011	No	No	TWDB	Yes	Yes	No

Appendix B.2.c

GIS Database

LRGV Study and Project Catalogs

Summary of Projects

Summary of Projects

OID	Project ID	Planned	Cost	Funding Secured	Funding Source	Initiated	Report Available	Design Status %
1	1969 Hidalgo USDA Comp Study Development Plan	Yes	$0	No		No	Yes	
2	1969 Willacy USDA Comp Study Development Plan	Yes	$0	No		No	Yes	
3	1969 Cameron USDA Comp Study Development Plan	Yes	$0	No		No	Yes	
4	2011 Hidalgo DisasterRecovery CountyStudy	No		No		No	No	0%
5	2011 Willacy DisasterRecovery CountyStudy	No		No		No	No	0%
6	2011 Cameron DisasterRecovery CountyStudy	No		No		No	No	0%
7	2012 Hidalgo Willacy TWRDA FDAR	Yes	$221,011,343	No		No	Yes	0%
8	Lower RioGrande Flood Control Project	No		No		No	Yes	0%
9	2011 CityPharr WestDowntownDrainageStudy	Yes	$10,248,117	No		No	Yes	0%
10	2012 DrainageStudyForJacksonRd Bus83	Yes	$10,038,927	No		No	Yes	0%
11	2009 SanCarlosDrainageImprovements	Yes		No		No	No	0%
12	2007 AlamoDrain MasterDrainageProject	Yes	$2,599,026	No		No	Yes	0%
13	2011 Cameron DisasterRecovery COBrownsville FourCornersDetentionPond	Yes		Yes	GLO Disaster Recovery	Yes	No	100%
14	HCDD1 AlamoExpresswayDrain	Yes		No		No	No	0%
15	1989 HCDD1 BentsenRoadCrossing	Yes		Yes		Yes	No	100%
16	2009 HCDD1 Phase1	Yes		Yes		Yes	No	100%
17	2009 HCDD1 PH1 Junctionbox	Yes		Yes		Yes	No	100%

OID	Project ID	Planned	Cost	Funding Secured	Funding Source	Initiated	Report Available	Design Status %
18	2009 HCDD1 PH1 StormWaterMH	Yes		Yes		Yes	No	100%
19	2009 HCDD1 PH2	Yes		Yes		Yes	No	100%
20	2009 HCDD1 MaintenanceRepair IBWCFloodwaySystem	Yes		No		Varies	No	0%
21	2009 HCDD1 DickersonPond	Yes		No			No	0%
22	2007 HCDD1 EastDonnaDrain	No		No		No	No	0%
23	1976 HCDD1 LakeEdinburgDiversionFacilities	Yes					No	
24	1986 HCDD1 EdinburgStub PSJM Lateral	Yes		Yes		Yes	No	100%
25	1960 HCDD1 ElsaEdcouch DrainDitch	Yes					Yes	0%
26	2005 HCDD1 Goodwin Drain	No					No	0%
27	2005 HCDD1 FEMA Countywide FloodMapModernizationProject	Yes		No		Varies	Yes	0%
28	2011 Cameron COBrownsville DIsasterRecovery ResacaCulvertCrossingImprovements	Yes		Yes	GLO	Yes	No	100%
29	2011 Cameron COBrownsville DIsasterRecovery FourCornersDetentionPond	Yes		Yes	GLO	Yes	No	100%
30	2011 Cameron COBrownsville DIsasterRecovery GeneratorsforPumpStations	Yes		Yes	GLO	Yes	No	100%
31	2011 Cameron DisasterRecovery TammLaneDrainageImprovements	Yes	$822,784	Yes	GLO	Yes	Yes	100%
32	2013 Cameron COLosFresnos DisasterRecovery DrainageImprovementsBid2	Yes		Yes	GLO	Yes	No	100%
33	2010 Cameron COLosFresnos DIsasterRecovery DrainageImprovementsBid1	Yes			GLO	Yes	No	100%
34	2012 Cameron COCombs DisasterRecovery Street&DrainageImprovements	Yes	$259,653	Yes	GLO	Yes	No	100%
35	2011 Cameron COPrimera DIsasterRecovery StreetReconstruction&Drainage	Yes	$462,560	Yes	GLO	Yes	No	100%

OID	Project ID	Planned	Cost	Funding Secured	Funding Source	Initiated	Report Available	Design Status %
36	2012 Cameron DisasterRecovery EastLineDrainBid3	Yes		Yes	GLO	Yes	No	100%
37	2010 Cameron DisasterRecovery EastLineDrainBid2	Yes		Yes	GLO	Yes	No	100%
38	2010 Cameron DIsasterRecovery GreenValleyFarmsDiversion	Yes	$100,273	Yes	GLO	Yes	No	100%
39	2011 Cameron DisasterRecovery Yturria&MusinaDrainageImprovements	Yes	$179,901	Yes	GLO		Yes	
40	2013 Cameron DIsasterRecovery Sub3DrainageImprovements	No		Yes	GLO	No	Yes	
41	2013 Cameron DisasterRecovery MontalvoSubDrainageImprovements	No		Yes	GLO	No	Yes	
42	2013 Cameron COCombes DisasterRecovery DitchWidening	Yes	$677,950	Yes	GLO	No	Yes	100%
43	2013 Hidalgo CODonna DisasterRecovery WaterFacillitiesImp	Yes		Yes	GLO	Yes	No	100%
44	2010 Hidalgo COEdcouch DisasterRecovery Generators&DrainageImp	Yes		Yes	GLO	Yes	No	100%
45	2012 Hidalgo COEdcouch DisasterRecovery DrainagePipeControlGates	Yes		Yes	GLO		Yes	100%
46	2011 Hidalgo COEdinburg DisasterRecovery CulvertDitchInterconnection	Yes		Yes	GLO	Yes	No	100%
47	2010 Hidalgo COEdinburg DisasterRecovery DetentionPond	Yes		Yes	GLO		Yes	100%
48	2012 Hidalgo COEdinberg DIsasterRecovery Dredging&Excavation	Yes		Yes	GLO	Yes	No	100%
49	2010 Hidalgo COElsa DisasterRecovery DrainageImprovements	Yes		Yes	GLO	Yes	No	100%
50	2011 Cameron COHarlingen DisasterRecovery DrainageImprovementsBid1	Yes		Yes	GLO	Yes	No	100%
51	2012 Cameron COHarlingen DisasterRecovery DrainageImprovementsBid2	Yes		Yes	GLO	Yes	No	100%
52	2012 Cameron COHarlingen DisasterRecovery DrainageImprovementsBid3	Yes		Yes	GLO		Yes	100%
53	2012 Hidalgo DisasterRecovery TrentonDrain	Yes		Yes	GLO	Yes	No	100%

OID	Project ID	Planned	Cost	Funding Secured	Funding Source	Initiated	Report Available	Design Status %
54	2010 Hidalgo DisasterRecovery DeltaAreaOutfall	Yes		Yes	GLO	Yes	No	100%
55	2012 Hidalgo COProgreso CatarinaSubdPaving&DrainageImp	Yes		Yes	GLO	Yes	No	100%
56	2012 Hidalgo COSanJuan DisasterRecovery MinnesotaDrain	Yes		Yes	GLO	Yes	No	100%
57	2013 Hidalgo DisasterRecovery Bernal&ChapaDrainageImp	Yes	$142,325	Yes	GLO		Yes	100%
58	2013 Hidalgo DisasterRecovery DeltaAreaConnectorEastLateral	Yes	$741,792	Yes	GLO		Yes	100%
59	2013 Hidalgo DisasterRecovery SouthforkDrainageImprovements	Yes		Yes	GLO		Yes	100%
60	2013 Hidalgo DisasterRecovery TijerinaDrainage&FloodImprovements	Yes	$454,598	Yes	GLO		Yes	100%
61	2013 Hidalgo DIsasterRecovery AlbertaDrainPhase1	Yes	$1,300,000	Yes	GLO		Yes	100%
62	2013 Cameron COLaFeria DisasterRecovery LeveeCrossingImprovements	Yes		Yes	GLO		Yes	100%
63	2012 Cameron COLaFeria DisasterRecovery WatershedImprovements	Yes		Yes	GLO		Yes	100%
64	2012 Hidalgo COLaJoya DisasterRecovery FloodDrainage&StreetImprovements	Yes	$306,888	Yes	GLO	Yes	No	100%
65	2012 Hidalgo COLaVilla DisasterRecovery Street&DrainageImprovements	Yes		Yes	GLO	Yes	No	100%
66	2010 Cameron COLagunaVista DisasterRecovery EbonyLaneDrainageImprovements	Yes	$102,900	Yes	GLO	Yes	Yes	100%
67	2011 Cameron COLosFresnos DisasterRecovery 10thStRailRoadCrossingImprovements	Yes		Yes	GLO	Yes	No	100%
68	2010 Cameron COLosIndios DisasterRecovery DrainageImprovements	Yes		Yes	GLO	Yes	No	100%
69	2010 Willacy COLyford DisasterRecovery Electrical&PumpImprovements	Yes		Yes	GLO		Yes	100%
70	2010 Hidalgo COMcAllen DisasterRecovery 16th Sycamore&BicentennialBlueline	Yes		Yes	GLO		No	100%
71	2012 Hidalgo COMercedes DisasterRecovery DrainageDitchImprovements	Yes	$130,215	Yes	GLO		Yes	100%

OID	Project ID	Planned	Cost	Funding Secured	Funding Source	Initiated	Report Available	Design Status %
72	2011 Hidalgo COPalmhurst DisasterRecovery LosEbanosRoad&DrainImprovements	Yes	$103,140	Yes	GLO	Yes	No	100%
73	2011 Hidalgo COPalmhurst DisasterRecovery RushDriveRoad&DrainImprovements	Yes	$206,280	Yes	GLO	Yes	No	100%
74	2011 Hidalgo COPalmview DisasterRecovery BentsonPalmDriveDrainImprovements	Yes	$111,006	Yes	GLO	Yes	No	100%
75	2011 Hidalgo COPalmview DisasterRecovery GoodwinRdDrainImprovements	Yes	$111,006	Yes	GLO	Yes	No	100%
76	2011 Hidalgo COPalmview DisasterRecovery LaHomaRdDrainageImprovements	Yes	$111,006	Yes	GLO	Yes	No	100%
77	2012 Hidalgo COPenitas DisasterRecovery BarcelonaHeightsSubdivisionDrainImprovements	Yes	$126,262	Yes	GLO		Yes	100%
78	2013 Hidalgo COPharr DisasterRecovery DowntownDrainageImprovements	Yes		Yes	GLO	Yes	No	100%
79	2010 Cameron COPrimera DisasterRecovery PrimeraRdDrainageImprovements	Yes	$76,560	Yes	GLO	Yes	No	100%
80	2013 Cameron COPrimera DisasterRecovery StuartPlaceWPrimeraRioRancho&BurnsRd Drainage	Yes	$737,585	Yes	GLO		Yes	100%
81	2013 Willacy SOS TAMU EYES&VOICES TAMU	Yes		Yes	SOS	In Progress	No	100%
82	2007 Willacy SOS TXDOT Lisa	Yes		Yes	SOS	Yes	No	100%
83	2011 Willacy CORaymondville DisasterRecovery DrainageImprovements	Yes	$460,750	Yes	GLO	Yes	No	100%
84	2012 Willacy CORaymondville DisasterRecovery DrainageImprovementsBid3	Yes		Yes	GLO	Yes	No	100%
85	2013 Cameron CORioHondo DisasterRecovery DrainageOutfallProjects	Yes	$488,344	Yes	GLO		Yes	100%
86	2011 Cameron COSanBenito DisasterRecovery DrainageImprovements	Yes		Yes	GLO	Yes	No	100%
87	2011 Hidalgo COSullivan DisasterRecovery DrainDitch	Yes		Yes	GLO		Yes	100%
88	2010 Willacy DistasterRecovery Street&DrainageImprovements	Yes	$1,072,997	Yes	GLO		Yes	100%
89	2013 Willacy DisasterRecovery Street&DrainageImprovementsBid3	Yes	$260,128	Yes	GLO		Yes	100%

OID	Project ID	Planned	Cost	Funding Secured	Funding Source	Initiated	Report Available	Design Status %
90	2011 Willacy DisasterRecovery SebastianDrainageStudy	Yes		Yes	GLO	Yes	Yes	100%
91	2013 Willacy DisasterRecovery Street&DranageImprovementsSanFranAve	Yes	$802,170	Yes	GLO		Yes	100%
92	2013 Willacy TAMU CorpNatl Ser	Yes		Yes	SOS	In Progress	No	100%
93	2013 Willacy TAMU VIS-PERF-ARTS	Yes		Yes	SOS	In Progress	No	100%
94	2013 Willacy TAMU CorpNatl SerAmC	Yes		Yes	SOS	In Progress	No	100%
95	2013 Willacy TAMU VisPerf ARTS	Yes		Yes	SOS	In Progress	No	100%
96	2013 Willacy TAMU corpNatlSer	Yes		Yes	SOS	In Progress	No	100%
97	2007 Willacy TAMU TX LEG2007	Yes		Yes	SOS	Yes	No	100%
98	2007 Willacy TAMU HHSC	Yes		Yes	SOS	Yes	No	100%
99	2007 Willacy TAMU WIC	Yes		Yes	SOS	Yes	No	100%
100	2007 Willacy TAMU CorpNatl Ser	Yes		Yes	SOS	Yes	No	100%
101	2008 Willacy TAMU TEXLEG2008	Yes		Yes	SOS	Yes	No	100%
102	2008 Willacy TAMU HHSC	Yes		Yes	SOS	Yes	No	100%
103	2008 Willacy TAMU WIC	Yes		Yes	SOS	Yes	No	100%
104	2008 Willacy TAMU CorpNatl Ser	Yes		Yes	SOS	Yes	No	100%
105	2009 Willacy TAMU TEXLEG2009	Yes		Yes	SOS	Yes	No	100%
106	2009 Willacy TAMU HHSC	Yes		Yes	SOS	Yes	No	100%
107	2009 Willacy TAMU OneStar	Yes		Yes	SOS	Yes	No	100%
108	2009 Willacy TAMU WIC	Yes		Yes	SOS	Yes	No	100%
109	2009 Willacy TAMU CorpNatl Ser	Yes		Yes	SOS	Yes	No	100%
110	2010 Willacy TXDOT Hugh Terry Subdivision	Yes		Yes	SOS	Yes	No	100%
111	2010 Willacy TXDOT Lasara	Yes		Yes	SOS	Yes	No	100%
112	2010 Willacy HHSC HHSC Colonias Initiative	Yes		Yes	SOS	Yes	No	100%
113	2010 Willacy TAMU TEXLEG2010	Yes		Yes	SOS	Yes	No	100%
114	2010 Willacy TAMU HHSC	Yes		Yes	SOS	Yes	No	100%
115	2010 Willacy TAMU CENSUS	Yes		Yes	SOS	Yes	No	100%
116	2010 Willacy TAMU ONE STAR	Yes		Yes	SOS	Yes	No	100%

OID	Project ID	Planned	Cost	Funding Secured	Funding Source	Initiated	Report Available	Design Status %
117	2010 Willacy TAMU WIC	Yes		Yes	SOS	Yes	No	100%
118	2010 Willacy TAMU HHSC	Yes		Yes	SOS	Yes	No	100%
119	2010 Willacy TAMU PASO DEL NORTE	Yes		Yes	SOS	Yes	No	100%
120	2010 Willacy TAMU SERVICE BLOCK GRANT	Yes		Yes	SOS	Yes	No	100%
121	2010 Willacy TAMU CNS Vista	Yes		Yes	SOS	Yes	No	100%
122	2007 Cameron TXDOT ArroyoColoradoEstates	Yes		Yes	SOS	Yes	No	100%
123	2010 Cameron TXDOT BonnavilleTerrace	Yes		Yes	SOS	Yes	No	100%
124	2010 Cameron TDRA CameronCo2007CD	Yes		Yes	SOS	Yes	No	100%
125	2010 Cameron TXDOT AltoReal	Yes		Yes	SOS	Yes	No	100%
126	2009 Cameron TDRA CameronCo2007CFC	Yes		Yes	SOS	Yes	No	100%
127	2010 Cameron TDRA CameronCo2008CEDAP	Yes		Yes	SOS	Yes	No	100%
128	2011 Cameron TXDOT CameronPark	Yes		Yes	SOS	Yes	No	100%
129	2010 Cameron TAMU CENSUS	Yes		Yes	SOS	Yes	No	100%
130	2010 Cameron TAMU CNSVista	Yes		Yes	SOS	Yes	No	100%
131	2012 Cameron TWDB CollectionSystemExpansion	Yes		Yes	SOS	In Progress	No	100%
132	2007 Cameron TAMU CorpNatlSer	Yes		Yes	SOS	Yes	No	100%
133	2008 Cameron TAMU CorpNatlSer	Yes		Yes	SOS	Yes	No	100%
134	2009 Cameron TAMU CorpNatlSermeron TAMU CorpNatlSer	Yes		Yes	SOS	Yes	No	100%
135	1900 Cameron TAMU CorpNatlSer	Yes		Yes	SOS	In Progress	No	100%
136	1900 Cameron TAMU CorpNatlSerAmC	Yes		Yes	SOS	In Progress	No	100%
137	2012 Cameron TDHCA CSHC	Yes		Yes	SOS	In Progress	No	100%
138	2010 Cameron TXDOT ElCaminoAngosto	Yes		Yes	SOS	Yes	No	100%
139	2007 Cameron TXDOT Encantada	Yes		Yes	SOS	Yes	No	100%
140	2007 Cameron TXDOT EsparzaUnit1 2	Yes		Yes	SOS	Yes	No	100%
141	1900 Cameron TAMU EYES&VOICESTAMU	Yes		Yes	SOS	In Progress	No	100%
142	2014 Cameron TWDB FM511 802Project	Yes		Yes	SOS	In Progress	No	100%
143	2007 Cameron TXDOT Galpin	Yes		Yes	SOS	Yes	No	100%

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144	2010 Cameron TXDOT GrandeAcres	Yes		Yes	SOS	Yes	No	100%
145	2007 Cameron TAMU HHSC	Yes		Yes	SOS	Yes	No	100%
146	2008 Cameron TAMU HHSC	Yes		Yes	SOS	Yes	No	100%
147	2009 Cameron TAMU HHSC	Yes		Yes	SOS	Yes	No	100%
148	2010 Cameron TAMU HHSC	Yes		Yes	SOS	Yes	No	100%
149	2010 Cameron TAM HHSC	Yes		Yes	SOS	Yes	No	100%
150	2010 Cameron HHSC HHSCColoniasInitiative	Yes		Yes	SOS	Yes	No	100%
151	2010 Cameron TXDOT IllinoisHeights	Yes		Yes	SOS	Yes	No	100%
152	2007 Cameron TXDOT Juarez	Yes		Yes	SOS	Yes	No	100%
153	2010 Cameron TXDOT LaFeriaGardens	Yes		Yes	SOS	Yes	No	100%
154	2010 Cameron TXDOT LaPalomaTownsite	Yes		Yes	SOS	Yes	No	100%
155	2007 Cameron TXDOT Lago	Yes		Yes	SOS	Yes	No	100%
156	2010 Cameron TXDOT LagunaEscondidaHeights#2	Yes		Yes	SOS	Yes	No	100%
157	2010 Cameron TXDOT LasPalmas	Yes		Yes	SOS	Yes	No	100%
158	2010 Cameron TXDOT LasYescas	Yes		Yes	SOS	Yes	No	100%
159	2010 Cameron TXDOT Laureles	Yes		Yes	SOS	Yes	No	100%
160	2011 Cameron TXDOT Leal	Yes		Yes	SOS	In Progress	No	100%
161	2007 Cameron TXDOT Lozano	Yes		Yes	SOS	Yes	No	100%
162	2007 Cameron TXDOT Olmito	Yes		Yes	SOS	Yes	No	100%
163	2010 Cameron TAMU ONESTAR	Yes		Yes	SOS	Yes	No	100%
164	2009 Cameron TAMU OneStar	Yes		Yes	SOS	Yes	No	100%
165	2007 Cameron TAMU OSIEyetech	Yes		Yes	SOS	Yes	No	100%
166	2008 Cameron TAMU OSIEyetech	Yes		Yes	SOS	Yes	No	100%
167	2010 Cameron TAMU PASODELNORTE	Yes		Yes	SOS	Yes	No	100%
168	2010 Cameron TXDOT Ranchito	Yes		Yes	SOS	Yes	No	100%
169	2010 Cameron TXDOT ReidHopeKing	Yes		Yes	SOS	Yes	No	100%
170	2007 Cameron TXDOT Rutherford HardingAddition	Yes		Yes	SOS	Yes	No	100%

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171	2010 Cameron TXDOT SantaRosaAnnex	Yes		Yes	SOS	Yes	No	100%
172	2010 Cameron TAMU SERVICEBLOCKGRANT	Yes		Yes	SOS	Yes	No	100%
173	2008 Cameron TAMU TEXLEG2008	Yes		Yes	SOS	Yes	No	100%
174	2009 Cameron TAMU TEXLEG2009	Yes		Yes	SOS	Yes	No	100%
175	2010 Cameron TAMU TEXLEG2010	Yes		Yes	SOS	Yes	No	100%
176	2010 Cameron TXDOT TierraBonita#3	Yes		Yes	SOS	Yes	No	100%
177	2007 Cameron TXDOT TierraBonita1-2	Yes		Yes	SOS	Yes	No	100%
178	2007 Cameron TAMU TXLEG2007	Yes		Yes	SOS	Yes	No	100%
179	2010 Cameron TWDB ValleHermosa&ValleEscondido	Yes		Yes	SOS	Yes	No	100%
180	2013 Cameron TWDB VillaNuevaColonia	Yes		Yes	SOS	In Progress	No	100%
181	2010 Cameron TXDOT VillaPancho	Yes		Yes	SOS	Yes	No	100%
182	1900 Cameron TAMU VisPerfARTS	Yes		Yes	SOS	In Progress	No	100%
183	1900 Cameron TAMU VIS PERF ARTS	Yes		Yes	SOS	In Progress	No	100%
184	2007 Cameron TAMU WIC	Yes		Yes	SOS	Yes	No	100%
185	2008 Cameron TAMU WIC	Yes		Yes	SOS	Yes	No	100%
186	2009 Cameron TAMU WIC	Yes		Yes	SOS	Yes	No	100%
187	2010 Cameron TAMU WIC	Yes		Yes	SOS	Yes	No	100%
188	2010 Cameron TXDOT Yznaga#1	Yes		Yes	SOS	Yes	No	100%
189	2010 Cameron TXDOT LagunaEscondidaHeights	Yes		Yes	SOS	Yes	No	100%
190	2011 Hidalgo TXDOT AcevedoSubdivision4	Yes		Yes	SOS	In Progress	No	100%
191	2011 Hidalgo TXDOT AcostaSubdivision	Yes		Yes	SOS	In Progress	No	100%
192	2007 Hidalgo TXDOT AguaDulce	Yes		Yes	SOS	Yes	No	100%
193	2007 Hidalgo TXDOT AmberLandSubdivision	Yes		Yes	SOS	Yes	No	100%
194	2011 Hidalgo TXDOT ArielHinojosaSubdivision	Yes		Yes	SOS	In Progress	No	100%
195	2011 Hidalgo TXDOT BalliEstates	Yes		Yes	SOS	In Progress	No	100%
196	2007 Hidalgo TXDOT Bar3	Yes		Yes	SOS	Yes	No	100%
197	2007 Hidalgo TXDOT BarVI	Yes		Yes	SOS	Yes	No	100%
198	2007 Hidalgo TXDOT BarbosaLopez1	Yes		Yes	SOS	Yes	No	100%

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199	2007 Hidalgo TXDOT BarneyGrovesSubdivision	Yes		Yes	SOS	Yes	No	100%
200	2011 Hidalgo TXDOT Basham#14	Yes		Yes	SOS	In Progress	No	100%
201	2011 Hidalgo TXDOT Basham#18	Yes		Yes	SOS	Yes	No	100%
202	2007 Hidlago TXDOT Bernal	Yes		Yes	SOS	Yes	No	100%
203	2011 HIdalgo TXDOT BernalHeights1	Yes		Yes	SOS	In Progress	No	100%
204	2011 Hidalgo TXDOT BrendaGay	Yes		Yes	SOS	In Progress	No	100%
205	2007 Hidalgo TXDOT CalmaEstates	Yes		Yes	SOS	Yes	No	100%
206	2007 Hidalgo TXDOT CalmaEstates2	Yes		Yes	SOS	Yes	No	100%
207	2007 Hidalgo TXDOT CalmaEstates3	Yes		Yes	SOS	Yes	No	100%
208	2007 Hidalgo TXDOT CanadeAzucar	Yes		Yes	SOS	Yes	No	100%
209	2007 Hidalgo TXDOT CapisalloPark	Yes		Yes	SOS	Yes	No	100%
210	2011 Hidalgo TXDOT CasadelosVecinos	Yes		Yes	SOS	In Progress	No	100%
211	2007 Hidalgo TXDOT CasadeLosVecinos	Yes		Yes	SOS	Yes	No	100%
212	2010 Hidalgo TAMU CENSUS	Yes		Yes	SOS	Yes	No	100%
213	2007 Hidalgo TXDOT ChapaIII	Yes		Yes	SOS	Yes	No	100%
214	2010 Hidalgo TXDOT ChapaNorth	Yes		Yes	SOS	Yes	No	100%
215	2010 Hidalgo TXDOT ChapaSouth	Yes		Yes	SOS	Yes	No	100%
216	2007 Hidalgo TXDOT ChulaVistaAcres	Yes		Yes	SOS	Yes	No	100%
217	2010 Hidalgo TXDOT CitrianaVillage	Yes		Yes	SOS	Yes	No	100%
218	2007 Hidalgo TXDOT CitrusCityLake	Yes		Yes	SOS	Yes	No	100%
219	2010 Hidalgo TAMU CNSVista	Yes		Yes	SOS	Yes	No	100%
220	2008 Hidalgo TWDB CollectionSystemExtensions	Yes		Yes	SOS	Yes	No	100%
221	2007 Hidalgo TXDOT ColoniaBig5	Yes		Yes	SOS	Yes	No	100%
222	2010 Hidalgo TXDOT ColoniaBoyce	Yes		Yes	SOS	Yes	No	100%
223	2010 Hidalgo TXDOT ColoniaEsperanza#2	Yes		Yes	SOS	Yes	No	100%
224	2011 Hidalgo TXDOT ColoniaWhalenRoad	Yes		Yes	SOS	In Progress	No	100%
225	2009 Hidalgo TAMU CorpNatlSer	Yes		Yes	SOS	Yes	No	100%
226	2008 Hidalgo TAMU CorpNatlSer	Yes		Yes	SOS	Yes	No	100%

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227	2007 Hidalgo TAMU CorpNatlSer	Yes		Yes	SOS	Yes	No	100%
228	1900 Hidalgo TAMU corpNatlSer	Yes		Yes	SOS	In Progress	No	100%
229	1900 Hidalgo TAMU CorpNatlSerAmC	Yes		Yes	SOS	In Progress	No	100%
230	2007 Hidalgo TXDOT CountryLivingEstates	Yes		Yes	SOS	Yes	No	100%
231	2012 Hidalgo TDHCA CSHC	Yes		Yes	SOS	In Progress	No	100%
232	2011 Hidalgo TXDOT DeltaWestSubdivision	Yes		Yes	SOS	In Progress	No	100%
233	2011 Hidalgo TXDOT DiazSubdivision	Yes		Yes	SOS	In Progress	No	100%
234	2011 Hidalgo TXDOT Dimas3	Yes		Yes	SOS	In Progress	No	100%
235	2011 Hidalgo TXDOT DudeHill#1	Yes		Yes	SOS	In Progress	No	100%
236	2007 Hidalgo TXDOT ElCharro2	Yes		Yes	SOS	Yes	No	100%
237	2011 Hidalgo TXDOT ElMesquite	Yes		Yes	SOS	In Progress	No	100%
238	2007 Hidalgo TXDOT ElMonte	Yes		Yes	SOS	Yes	No	100%
239	2007 Hidalgo TXDOT ElParaisoSubdivision	Yes		Yes	SOS	Yes	No	100%
240	2007 Hidalgo TXDOT ElSolSubdivision1	Yes		Yes	SOS	Yes	No	100%
241	2007 Hidalgo TXDOT ElSolSubdivision2	Yes		Yes	SOS	Yes	No	100%
242	2007 Hidalgo TXDOT EldoraGardens	Yes		Yes	SOS	Yes	No	100%
243	2011 Hidalgo TXDOT EsperanzaEstates	Yes		Yes	SOS	In Progress	No	100%
244	1900 Hidalgo TAMU EYES&VOICESTAMU	Yes		Yes	SOS	In Progress	No	100%
245	2007 Hidalgo TXDOT EzequielAcevedoJrSubdivision2	Yes		Yes	SOS	Yes	No	100%
246	2011 Hidalgo TXDOT FosterSubdivision	Yes		Yes	SOS	In Progress	No	100%
247	2009 Hidalgo TWDB FourLiftStations	Yes		Yes	SOS	Yes	No	100%
248	2014 Hidalgo TWDB Guadalupe&CampoAlto	Yes		Yes	SOS	In Progress	No	100%
249	2011 Hidalgo TXDOT HaciendaDeLosVegas	Yes		Yes	SOS	In Progress	No	100%
250	2011 Hidalgo TXDOT HavanaSubdivision	Yes		Yes	SOS	In Progress	No	100%
251	2010 Hidalgo TAMU HHSC	Yes		Yes	SOS	Yes	No	100%
252	2009 Hidalgo TAMU HHSC	Yes		Yes	SOS	Yes	No	100%
253	2008 Hidalgo TAMU HHSC	Yes		Yes	SOS	Yes	No	100%
254	2007 Hidalgo TAMU HHSC	Yes		Yes	SOS	Yes	No	100%

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255	2010 Hidalgo HHSC HHSCColoniasInitiative	Yes		Yes	SOS	Yes	No	100%
256	2009 Hidalgo TDRA HidalgoCo2007CFC	Yes		Yes	SOS	Yes	No	100%
257	2011 Hidalgo TDRA HidalgoCo2009CFC	Yes		Yes	SOS	In Progress	No	100%
258	2010 Hidalgo TXDOT HighPointSubdivision	Yes		Yes	SOS	Yes	No	100%
259	2007 Hidalgo TXDOT HildaSubdivision	Yes		Yes	SOS	Yes	No	100%
260	2010 Hidalgo TXDOT HildaSubdivision#2	Yes		Yes	SOS	Yes	No	100%
261	2011 Hidalgo TXDOT HildaSubdivision3	Yes		Yes	SOS	In Progress	No	100%
262	2011 Hidalgo TXDOT HoehnDriveSubdivision	Yes		Yes	SOS	In Progress	No	100%
263	2007 Hidalgo TXDOT JessanSubdivision	Yes		Yes	SOS	Yes	No	100%
264	2011 Hidalgo TXDOT L&RGarza	Yes		Yes	SOS	In Progress	No	100%
265	2007 Hidalgo TXDOT LaBlancaHeights	Yes		Yes	SOS	Yes	No	100%
266	2010 Hidalgo TXDOT LaHomaGroveEstates	Yes		Yes	SOS	Yes	No	100%
267	2011 Hidalgo TXDOT LaHomaRoadNorthSubdivision	Yes		Yes	SOS	In Progress	No	100%
268	2007 Hidalgo TXDOT LaHomaRoadSubdivision	Yes		Yes	SOS	Yes	No	100%
269	2011 Hidalgo TXDOT LaMesaSubdivision	Yes		Yes	SOS	In Progress	No	100%
270	2007 Hidalgo TXDOT LaPalmaSubdivision	Yes		Yes	SOS	Yes	No	100%
271	2007 Hidalgo TXDOT LaPaloma1	Yes		Yes	SOS	Yes	No	100%
272	2011 Hidalgo TXDOT LaSuena	Yes		Yes	SOS	In Progress	No	100%
273	2011 Hidalgo TXDOT LakeviewSubdivision	Yes		Yes	SOS	In Progress	No	100%
274	2011 Hidalgo TXDOT LasBrisas May	Yes		Yes	SOS	In Progress	No	100%
275	2011 Hidalgo TXDOT LasBrisas Feb	Yes		Yes	SOS	In Progress	No	100%
276	2007 Hidalgo TXDOT LasHaciendas	Yes		Yes	SOS	Yes	No	100%
277	2009 Hidalgo TWDB LasMilpas	Yes		Yes	SOS	Yes	No	100%
278	2010 Hidalgo TXDOT LasMilpasSubdivision	Yes		Yes	SOS	Yes	No	100%
279	2007 Hidalgo TXDOT LJ1	Yes		Yes	SOS	Yes	No	100%
280	2011 Hidalgo TXDOT LomaLindaHeights	Yes		Yes	SOS	In Progress	No	100%
281	2011 Hidalgo TXDOT LosCastillosEstates	Yes		Yes	SOS	In Progress	No	100%
282	2011 Hidalgo TXDOT LosEbanosSubdivision	Yes		Yes	SOS	In Progress	No	100%

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283	2011 Hidalgo TXDOT McCollEstates	Yes		Yes	SOS	In Progress	No	100%
284	2011 Hidalgo TXDOT MesquiteAcresSubdivision	Yes		Yes	SOS	In Progress	No	100%
285	2007 Hidalgo TXDOT MidValleyEstates	Yes		Yes	SOS	Yes	No	100%
286	2011 Hidalgo TXDOT Mid-ValleyEstates	Yes		Yes	SOS	In Progress	No	100%
287	11 Hidalgo TXDOT MillerResubLotA	Yes		Yes	SOS	In Progress	No	100%
288	2010 Hidalgo TXDOT MonicaAcres	Yes		Yes	SOS	Yes	No	100%
289	2007 Hidalgo TXDOT MorningSideEstates	Yes		Yes	SOS	Yes	No	100%
290	2011 Hidalgo TXDOT MorningSun	Yes		Yes	SOS	In Progress	No	100%
291	2011 Hidalgo TXDOT MunozEstates	Yes		Yes	SOS	In Progress	No	100%
292	2007 Hidalgo TXDOT NorthAlamoVillage	Yes		Yes	SOS	Yes	No	100%
293	2011 Hidalgo TXDOT NorthCapisallo	Yes		Yes	SOS	In Progress	No	100%
294	2007 Hidalgo TXDOT NorthCrossEstates	Yes		Yes	SOS	Yes	No	100%
295	2007 Hidalgo TXDOT NorthsideVillage2	Yes		Yes	SOS	Yes	No	100%
296	2008 Hidalgo TWDB NorthwestMission	Yes		Yes	SOS	Yes	No	100%
297	2007 Hidalgo TXDOT OldRebelHeights	Yes		Yes	SOS	Yes	No	100%
298	2007 Hidalgo TXDOT OldRebelHeightsII	Yes		Yes	SOS	Yes	No	100%
299	2010 Hidalgo TAMU ONESTAR	Yes		Yes	SOS	Yes	No	100%
300	2009 Hidalgo TAMU OneStar	Yes		Yes	SOS	Yes	No	100%
301	2011 Hidalgo TXDOT PalmLakeEstates#1 3C1080536	Yes		Yes	SOS	In Progress	No	100%
302	2011 Hidalgo TXDOT PalmLakeEstates#1 3D1080536	Yes		Yes	SOS	In Progress	No	100%
303	2011 Hidalgo TXDOT PalmaSubdivision1	Yes		Yes	SOS	In Progress	No	100%
304	2011 Hidalgo TXDOT PalmaSubdivision2	Yes		Yes	SOS	In Progress	No	100%
305	2010 Hidalgo TAMU PASODELNORTE	Yes		Yes	SOS	Yes	No	100%
306	2007 Hidalgo TXDOT Pentecostal	Yes		Yes	SOS	Yes	No	100%
307	2007 Hidalgo TXDOT Primavera1	Yes		Yes	SOS	Yes	No	100%
308	2007 Hidalgo TWDB ProjectBig5	Yes		Yes	SOS	Yes	No	100%
309	2011 Hidalgo TXDOT PuestadelSol	Yes		Yes	SOS	In Progress	No	100%

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310	2011 Hidalgo TXDOT RamboEstates	Yes		Yes	SOS	In Progress	No	100%
311	2010 Hidalgo TXDOT RamonLealSubdivision	Yes		Yes	SOS	Yes	No	100%
312	2011 Hidalgo TXDOT RanchoEscondido	Yes		Yes	SOS	In Progress	No	100%
313	2007 Hidalgo TXDOT RanchoEscondido	Yes		Yes	SOS	Yes	No	100%
314	2007 Hidalgo TXDOT RCBabb#2	Yes		Yes	SOS	Yes	No	100%
315	2007 Hidalgo TXDOT RCBabb#3	Yes		Yes	SOS	Yes	No	100%
316	2007 Hidalgo TXDOT RCBabb1	Yes		Yes	SOS	Yes	No	100%
317	2007 Hidalgo TXDOT RedBarn	Yes		Yes	SOS	Yes	No	100%
318	2007 Hidalgo TXDOT RenaRaeSubdivision	Yes		Yes	SOS	Yes	No	100%
319	2007 Hidalgo TXDOT Roadrunner2	Yes		Yes	SOS	Yes	No	100%
320	2007 Hidalgo TXDOT RosedaleHeights	Yes		Yes	SOS	Yes	No	100%
321	2007 Hidalgo TXDOT RSWUnit1	Yes		Yes	SOS	Yes	No	100%
322	2011 Hidalgo TXDOT SeminaryVillageSubdivision	Yes		Yes	SOS	In Progress	No	100%
323	2010 Hidalgo TAMU SERVICEBLOCKGRANT	Yes		Yes	SOS	Yes	No	100%
324	2007 Hidalgo TXDOT SouthForkEstates	Yes		Yes	SOS	Yes	No	100%
325	2010 Hidalgo TXDOT SouthPalmGardensEstates#1	Yes		Yes	SOS	Yes	No	100%
326	2010 Hidalgo TXDOT SouthPalmGardensEstates#2	Yes		Yes	SOS	Yes	No	100%
327	2011 Hidalgo TXDOT SouthSideVillage	Yes		Yes	SOS	In Progress	No	100%
328	2008 Hidalgo TAMU TEXLEG2008	Yes		Yes	SOS	Yes	No	100%
329	2009 Hidalgo TAMU TEXLEG2009	Yes		Yes	SOS	Yes	No	100%
330	2010 Hidalgo TAMU TEXLEG2010	Yes		Yes	SOS	Yes	No	100%
331	2011 Hidalgo TXDOT TinyAcres	Yes		Yes	SOS	In Progress	No	100%
332	2011 Hidalgo TXDOT TrentonTerrace	Yes		Yes	SOS	In Progress	No	100%
333	2007 Hidalgo TAMU TXLEG2007	Yes		Yes	SOS	Yes	No	100%
334	2011 Hidalgo TXDOT ValBarEstates	Yes		Yes	SOS	In Progress	No	100%
335	2011 Hidalgo TXDOT ValleyViewEstates	Yes		Yes	SOS	In Progress	No	100%
336	2011 Hidalgo TXDOT VeredaTropical	Yes		Yes	SOS	In Progress	No	100%

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337	2007 Hidalgo TXDOT VillaCapriSubdivision	Yes		Yes	SOS	Yes	No	100%
338	2007 Hidalgo TXDOT VilladelMundo	Yes		Yes	SOS	Yes	No	100%
339	2010 Hidalgo TXDOT VillageGrove#2	Yes		Yes	SOS	Yes	No	100%
340	1900 Hidalgo TAMU VisPerfARTS	Yes		Yes	SOS	In Progress	No	100%
341	2007 Hidalgo TXDOT WaltonDivision	Yes		Yes	SOS	Yes	No	100%
342	2007 Hidalgo TXDOT WareCounty2	Yes		Yes	SOS	Yes	No	100%
343	2011 Hidalgo TXDOT Wes-MerSubdivision	Yes		Yes	SOS	In Progress	No	100%
344	2007 Hidalgo TXDOT WestMer	Yes		Yes	SOS	Yes	No	100%
345	2011 Hidalgo TWDB Western	Yes		Yes	SOS	In Progress	No	100%
346	2011 Hidalgo TWDB WesternInterceptors	Yes		Yes	SOS	In Progress	No	100%
347	2010 Hidalgo TWDB WesternColoniasProject	Yes		Yes	SOS	In Progress	No	100%
348	2010 Hidalgo TAMU WIC	Yes		Yes	SOS	Yes	No	100%
349	2009 Hidalgo TAMU WIC	Yes		Yes	SOS	Yes	No	100%
350	2008 Hidalgo TAMU WIC	Yes		Yes	SOS	Yes	No	100%
351	2007 Hidalgo TAMU WIC	Yes		Yes	SOS	Yes	No	100%
352	2011 Hidalgo TXDOT ColoniaSaenz	Yes		Yes	SOS	In Progress	No	100%
353	2011 Hidalgo TXDOT DeAndaSubdivision	Yes		Yes	SOS	In Progress	No	100%
354	2009 Hidalgo TDRA HidalgoCo2007CEDAP	Yes		Yes	SOS	Yes	No	100%
355	2007 Willacy TXDOT ColoniaLosAngeles	Yes		Yes	SOS	Yes	No	100%
356	2010 Willacy TXDOT Colonia Los Angeles	Yes		Yes	SOS	Yes	No	100%
357	2012 Willacy TDHCA CSHC	Yes		Yes	SOS	In Progress	No	100%
358	HCDD1 HidalgoDrain	No		No		No	No	0%
359	2000 2013 HCDD1 FEMA LOMA LOMR Reports	No		No		No	Yes	0%
360	1937 HCDD1 IBWC FloodControlProject	No		No			No	0%
361	2006 HCDD1 Lateral L-02-01 Outfall	Yes					No	0%
362	1982 HidalgoCounty Mcallen BluelineDitches	Yes		No			Yes	0%
363	1996 HidalgoCounty SouthMcallenMission Study	Yes	$31,340,000	No		No	Yes	0%
364	1999 HC MissionMasterPlanVol1	Yes	$44,752,000	No			Yes	0%

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365	1999 HC MissionMasterPlanVol2	Yes		No			Yes	0%
366	2002 HC MissionMasterPlanVol1	Yes	$44,375,000	No			Yes	0%
367	2002 HC MissionMasterPlanVol2	No		No		No	Yes	0%
368	2002 HC Mcallen BlueLine Northwest Central Ditch	Yes		No		No	Yes	0%
369	2003 HC Mcallen Blueline Northeast Ditch	Yes		No		No	Yes	0%
370	2003 HC Mcallen Blueline Northwest DrainDitch	Yes		No		No	Yes	0%
371	2003 HC Mcallen Blueline Southeast Study	Yes		No		No	Yes	0%
372	2006 HC Mcallen BlueLine Bicentennial	Yes		No		No	Yes	0%
373	1996 HidalgoCounty Weslaco Study	Yes	$3,279,997	No			Yes	0%
374	1971 Willacy TWDB FPP Study	No		No		No	Yes	0%
375	1968 SouthTexas TWDB FPP Study	No		No		No	Yes	0%
376	1967 MultipleCounties TWDB FFP Study	No		No		No	Yes	0%
377	2011 Cameron Brownsville TWDB FPP Study	No		No		No	Yes	0%
378	2011 Cameron LaFeria TWDB FPP	Yes	$47,394,097	No	Varies	No	Yes	0%
379	2010 Cameron DD3 TWDB FPP	Yes	$12,162,896	No		No	Yes	0%
380	2008 Cameron DD5 TWDB FPP	Yes		No	Varies	No	Yes	0%
381	2006 Cameron Brownsville TWDB FPP	Yes	$132,055,260	No	Varies	No	Yes	0%
382	2004 Willacy Raymondville TWDB FMP	Yes		No	FEMA	No	Yes	0%
383	1997 Hidalgo DD1 TWDB FPP	Yes		No		No	Yes	0%
384	1996 Cameron Brownsville TWDB FPP	Yes	$2,716,875	No		No	Yes	0%
385	1995 Hidalgo Donna TWBD FPP	Yes	$4,250,000	No	City		Yes	0%
386	1987 Cameron Brownsville TWDB MasterDrainagePlan	Yes	$48,855,000	No		No	Yes	0%
387	1988 West Main Drain Irrigation Adjustment	Yes						100%
388	1988 West Main Crossing Phase2	Yes						100%
389	1989 MIssion Mcallen StructureandExcavation	Yes						90%
390	1990 West Main Drain	Yes						100%
391	1991 Irrigation6 Road Irrigation Structures	Yes						100%
392	Hwy77 48"RCP Adjustmentds	Yes						100%

OID	Project ID	Planned	Cost	Funding Secured	Funding Source	Initiated	Report Available	Design Status %
393	Ditch Bridge Construction North Main Drain	Yes						100%
394	Lateral D	Yes						100%
395	Lateral E	Yes						100%
396	Lateral N3	Yes						100%
397	Latereral B C	Yes						100%
398	Buisness to Perezville Drain	Yes						100%
399	Detention Area	Yes						100%
400	MIssion Inlet Structures	Yes						100%
401	Improvements Pilot Channel Across Golfcourse	Yes						100%
402	Mission Inlet Pilot Channel	Yes						100%
403	8X6 Box Culvert Crossing	Yes						100%
404	Project B	Yes						100%
405	Mission Lateral Bridge Adjustments	Yes						100%
406	InspirationRd MoorFieldRd	Yes						100%
407	Bentsen at Mile1-1/4 toNorthNolana	Yes						100%
408	1989 MIssion Mcallen Irrigation Adjustment Project	Yes						100%
409	1989 ProjectA Irrigation Excavation	Yes						100%
410	1989 ProjectB Mission Lateral	Yes						100%
411	1987 Expressway83 Box Culvert Asjustment	Yes						100%
412	1986 South Mission Lateral	Yes						100%
413	HCCD1 SOUTH PHARR LATERAL	No				No	No	0%
414	HCCD1 TIERRA DORADA DRAIN	No				No	No	0%
415	HCCD1 WESLACO DRAIN	No				No	No	0%
416	HCCD1 PSJA SOUTH	No				No	No	0%
417	1988 HCCD1 RADO ALTERNATE	No				No	No	0%
418	HCCD1 RANCHO SANTA CRUZ LATERAL	No				No	No	0%
419	HCCD1 SOUTH FLOODWATER CHANNEL	No				No	No	0%
420	1985 HCCD1 SOUTH MAIN DRAIN PHASEI	Yes				Yes		100%

OID	Project ID	Planned	Cost	Funding Secured	Funding Source	Initiated	Report Available	Design Status %
421	1987 HCCD1 NORTH MAN DRAIN PHASEI	Yes				Yes		100%
422	1987 HCCD1 NORTH MAIN DRAIN PHASEII	Yes				Yes		100%
423	1987 HCCD1 NORTH MAIN DRAIN PHASEIII	Yes				Yes		100%
424	1987 HCCD1 PEREZVILLE DRAIN IMPROVEMENTS	Yes				Yes		100%
425	1987 HCCD1 PHARR-MCALLEN LATERAL	Yes				Yes		100%
426	1988 HCCD1 MERCEDES LATERAL	Yes				Yes		100%
427	1988 HCCD1 MCALLEN LATERAL	Yes				In Progress	No	60%
428	2010 HCCD1 HIDALGO PROTECTIVE LEVEE	Yes				Yes	No	100%
429	2008 MISSION LEVEEE IMPROVEMENT	Yes				Yes	No	100%
430	El Capote Advocate Disaster Relief Excel				ARISE			
431	Los Angeles(Raymondville) Advocate Disaster Relief Excel				TRLA			
432	Lasara Advocate Disaster Relief Excel				TRLA			
433	Seminary Advocate Disaster Relief Excel							
434	Santa Monica Advocate Disaster Relief Excel				TRLA			
435	Sebastian Advocate Disaster Relief Excel				TRLA			
436	Plantation Oaks Advocate Disaster Relief Excel							
437	Twin Rds Subdivision Advocate Disaster Relief Excel							
438	Acosta Subdivision Advocate Disaster Relief Excel							
439	Tierra Acres Estates Advocate Disaster Relief Excel							
440	Nuevo alto Advocate Disaster Relief Excel							
441	Shary Country Advocate Disaster Relief Excel							
442	ValVerde Advocate Disaster Relief Excel							
443	Colonia Abram Advocate Disaster Relief Excel							
444	Linda Vista Advocate Disaster Relief Excel				LUPE			
445	Combes Advocate Disaster Relief Excel							

OID	Project ID	Planned	Cost	Funding Secured	Funding Source	Initiated	Report Available	Design Status %
446	Country View Estates Advocate Disaster Relief Excel				TOP			
447	Muniz Advocate Disaster Relief Excel				ARISE			
448	Penitas Advocate Disaster Relief Excel				LUPE			
449	Charro II Advocate Disaster Relief Excel				TOP			
450	Tierra Bonita #3 Advocate Disaster Relief Excel				START			
451	El Gato Advocate Disaster Relief Excel				ARISE			
452	South Side Advocate Disaster Relief Excel				ARISE			
453	South Tower Estates Advocate Disaster Relief Excel				ARISE			
454	Green Valley Farms Advocate Disaster Relief Excel				START			
455	Hidalgo Park Advocate Disaster Relief Excel				ARISE			
456	Las Milpas Advocate Disaster Relief Excel							
457	Las Haciendas Advocate Disaster Relief Excel				LUPE			
458	Rancho Sanchez Advocate Disaster Relief Excel				ARISE			
459	La Paloma Advocate Disaster Relief Excel							
460	Cameron Park Advocate Disaster Relief Excel				Juan Diego			
461	San Carlos Advocate Disaster Relief Excel				LUPE/ARISE			
462	Indian Hills Advocate Disaster Relief Excel				Azteca			
463	Lopezville Advocate Disaster Relief Excel				TOP			
464	Oscar Loop Advocate Disaster Relief Excel							
465	La Homa Advocate Disaster Relief Excel				LUPE			
466	Mexico Chiquito Advocate Disaster Relief Excel							
467	El Jay Advocate Disaster Relief Excel				LUPE			
468	Goolie Heights Advocate Disaster Relief Excel							
469	Primera Culvert Improvements		$180,895					
470	Primera/Wilson Tract Main Outfall Improvements		$922,250					
471	626L Smith Gate Addition		$2,100,000					

OID	Project ID	Planned	Cost	Funding Secured	Funding Source	Initiated	Report Available	Design Status %
472	WCDD1 Pump Station Improvements		$2,100,000					
473	US 77 and Loop 448 Railroad Bridge Replacement		$832,962					
474	Tio Cano Lake Capacity Improvements		$772,750					
475	AN-49 Drain		$1,395,793					
476	Rancho Viejo Resaca Improvements		$822,250					
477	Drain Project A-Lateral 46A Rehab and Extension		$185,634					
478	Main Drain A Downstream Improvements, Drain B-1		$383,238					
479	Los Angeles Drain Ditch Maintance		$637,529					
480	Palm Valley Resacas Improvements		$1,569,750					
481	FM 1732/Carmen Ave. Crossing Improvement		$1,604,593					
482	Drain F-23 Culvert Improvements		$192,729					
483	FM 1847 Roadside Ditch and Drainage Improvements		$504,275					
484	Lasara Drain Ditch Maintenance		$1,209,719					
485	Zapata Various Drain Ditch Maintenance		$2,068,532					
486	Various Drainage Improvements in Ranchette Estates		$921,875					
487	Santa Monica Various Drain Ditch Maintenance		$928,345					
488	South Point/Reid Hope King/Villa Pancho Channel/Pump Station		$4,197,256					
489	SH 186 Crossing Improvements		$2,500,000					
490	North Main Drain and Dixieland Main Flooding Improvements		$3,423,550					
491	Main Drain A Capacity Increase Project		$16,073,613					
492	West Bayview Drainage Improvement Phase IV		$5,187,721					
493	South Rail Damage		$6,607,849					
494	Santa Rosa - 107 Channel/Crossover		$3,245,221					
495	Chula Vista Orason Drainage Improvements		$4,197,296					

OID	Project ID	Planned	Cost	Funding Secured	Funding Source	Initiated	Report Available	Design Status %
496	Bixby Drainage Improvements		$10,258,636					

Appendix B.3

LRGV Database Report

Appendix B.3 - Geodatabase Schematic

The ArcGIS Diagrammer provides a schematic outline for the Geodatabase containing Feature Datasets, basemaps, analysis, prioritization, and ranking of feature classes. The Diagram provides each feature class's name, type (polygon, polyline, or point), description, total feature count, coordinate extent, and a visual snapshot of the data. The diagram lists each Feature Dataset followed by the Feature Classes it contains. Any standalone feature class or raster file is listed at the bottom of the report. This provides a visual representation of the Geodatabase.

LRGV Database Report

Report Creation

Date	Tuesday, April 29, 2014
Author	ah2669/HALFF on MCNAMARA-1622

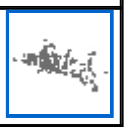
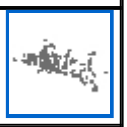
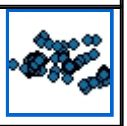
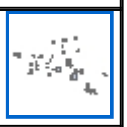
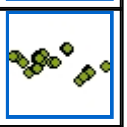
System Information

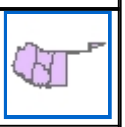
Operating System	Microsoft Windows NT 6.1.7601 Service Pack 1
.Net Framework	2.0.50727.5477
Diagrammer	10.0.1.0

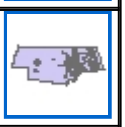
Geodatabase

Workspace Type	File Geodatabase
File	I:\1006\McNamara\AUS_Staging_catalog.gdb

Data Report

ObjectClass Name	Type	Geometry	Subtype	Total	Extent	Snapshot
GIS_Analysis						
Colonia_HydricSoils	Feature Class	Polygon	SSURGO Hydirc Soils clipped to Colonias	1640	957169.366415635 1395059.00080521 16475481.7234522 16717960.5035855	
Colonias	Feature Class	Polygon	Colonias from OAG and SOS lists in LRGV Counties	1039	957169.366415635 1395059.00080521 16475481.7231241 16717960.5032574	
LRGV_HWM	Feature Class	Point	FEMA High Water Marks	358	964725.26862663 1427541.02540797 16481499.3574142 16754754.7797343	
NeedsAsmnt2011	Feature Class	Polygon	LRGV Needs Assessment 2011 Study	60	1016055.46845947 1395059.89581655 16481023.5640745 16709772.0980463	
NFIP_RepLosses	Feature Class	Point	NFIP Geocoded Repedative Losses	11173	963970.799006969 1424454.88755138 16477087.8229302 16769306.2437416	
Public_Meeting_Comments	Feature Class	Point	Comments from LRGV Public Meetings	51	1030913.11197247 1349444.85843788 16541456.5924864 16653201.1107948	
GIS_Basemap_Data						
CamCo_DD	Feature Class	Polygon	Cameron County Drainage Districts	9	1220580.08921151 1442350.60334675 16467837.2344323 16677009.8735009	
CamCo_Landuse	Feature Class	Polygon	Cameron County Land Use data	190025	1191595.06023942 1429075.02687959 16467754.997064 16676495.7869307	
CamCo_Parcels	Feature Class	Polygon	Cameron County Parcel data	170915	1192365.67910501 1476365.27875559 16467754.997064 16678393.7972423	

CamCo_Soils	Feature Class	Polygon	- Cameron County SSURGO Soil data	6609	1193193.9904405 1429210.06696384 16467701.1090484 16676956.5812847	
CityLimits	Feature Class	Polygon	-LRGV City Limits	43	957163.940191835 1424308.44126843 16468825.9417725 16709809.5529802	
Counties	Feature Class	Polygon	- LRGV Counties	3	955880.649779424 1442507.04397875 16467758.1335407 16809982.9727117	
ETJ	Feature Class	Polygon	-LRGV ETJ	117	955905.269152761 1427802.39228576 16467630.0865527 16715691.9998767	
Exst_Drainage_1969GeoRef	Feature Class	Polyline	-Existing 1969 Drainage Infrastructure	456	1016481.06204292 1413500.20632325 16480972.1251573 16718678.4663447	
HilCo_Building_Footprints	Feature Class	Polygon	-Hidalgo County Building Footprints	296222	957228.148068681 1194012.44713692 16544327.5460183 16809520.8453551	
HilCo_DD	Feature Class	Polygon	-Hidalgo County Drainage Districts	5	1000842.57494725 1324077.82217626 16539241.1152463 16699258.349017	
HilCo_Landuse	Feature Class	Polygon	-Hidalgo County Landuse	245278	955908.369868338 1194675.30998443 16538863.2370651 16809987.2092518	
HilCo_Parcels	Feature Class	Polygon	- Hidalgo County Parcels	285163	955921.76485467 1194887.65503217 16538913.779943 16809987.2092518	
HilCo_Soils	Feature Class	Polygon	-Hidalgo County SSURGO Soils	15041	955694.50546667 1193820.78610292 16538767.5302355 16810043.5893883	
HilCo_WS	Feature Class	Polygon	-Hidalgo County Watersheds	242	958050.00009951 1229890.15950209 16538744.7100712 16742831.6955972	
HUC_12_WS	Feature Class	Polygon	-USGS HUC 12 Watersheds	19	771992.002137512 1420155.14019184 16470687.1680369 16989783.3220998	
LRGV_Main_Drainage_Lines	Feature Class	Polyline	-LRGV Main Drainage Ditches	21	1016483.97279826 1431291.94829875 16499180.7996978 16718396.6417771	
Rivers	Feature Class	Polyline	- LRGV Rivers	12312	889511.836651176 1429224.27100368 16467705.3177014 16966333.4129629	
Streets	Feature Class	Polyline	-LRGV Streets	77807	957277.45571284 1427523.01161093 16469263.1364362 16809834.2203845	
					1147883.00593142	

WilCo_Building_Footprints	Feature Class	Polygon	Willacy County Building Footprints	11256	1337896.32865992 16643094.9997298 16744558.5323666	
WilCo_DD	Feature Class	Polygon	Willacy County Drainage Districts	2	1192757.44603801 1347680.26447259 16643658.3161884 16723112.1152858	
WilCo_Landuse	Feature Class	Polygon	Willacy County Landuse	15690	1146434.91860451 1403715.75377934 16635332.4076434 16748088.08994	
WilCo_Parcels	Feature Class	Polygon	Willacy County Parcels	13563	1146434.91860451 1403715.75377934 16635387.6936221 16748088.08994	
WilCo_Soils	Feature Class	Polygon	Willacy County Soils	5273	1146491.26954168 1401641.65195642 16635409.5551269 16748384.3813422	
GIS_Floodplain						
CamCo_EPSEY_100FP	Feature Class	Polygon	Cameron County RPS 100yr Floodplain	351	1196392.84170789 1290353.51730321 16539932.70413 16621894.6317412	
CamCo_FEMA_PrelimDFIRM	Feature Class	Polygon	Cameron County FEMA Preliminary DFIRM Floodplains	1744	1193218.4500908 1436040.17015505 16467758.1299755 16676976.8601592	
HilCo_FEMA_Q3	Feature Class	Polygon	Hidalgo County FEMA Q3 Floodplains	2424	955864.533723474 1193758.3997983 16538818.737854 16810006.3191654	
LRGV_FEMA_100y_2007	Feature Class	Polygon	LRGV FEMA 100yr Floodplain 2007	2281	955864.601636723 1431267.7594243 16467889.6405392 16810006.0153602	
LRGV_Terrain_FldPln_Anlys	Feature Class	Polygon	LRGV Terrain Analysis Additional 100yr Floodplains	13	1126869.93777497 1309857.15546122 16624110.5675981 16720837.8679095	
WilCo_FEMA_PrelimDFIRM	Feature Class	Polygon	Willacy County FEMA Preliminary DFIRM Floodplains	313	1146454.93994346 1415150.70996556 16635336.2898972 16748055.2501544	
Proj_Study						
ProjData	Feature Class	Polygon	Colonias Project Data	496	955978.933757141 1442589.44314572 16467627.9881754 16809872.2987641	
StudyData	Feature Class	Polygon	Colonias Study Data	65	955978.933757141 1442589.44314572 16467627.9881754 16809872.2987641	
R_MB_Processes						
Process_Final_All	Feature Class	Polygon	Colonias Model Builder Processing Feature Class - DO NOT USE	1039	957169.366415635 1395059.00080521 16475481.7231241 16717960.5035855	
					957169.366415635 1395059.00080521	

Process_Final_SOSonly	Feature Class	Polygon	Colonias Model Builder Processing Feature Class - DO NOT USE	988	16475481.7231241 16717960.5035855	
R_MB_Rank						
Final_Rank_All	Feature Class	Polygon	- Colonias Final Ranking - All	1039	957169.366415635 1395059.00080521 16475481.7231241 16717960.5035855	
Final_Rank_SOSonly	Feature Class	Polygon	- Colonias Final Ranking - SOS Only	988	957169.366415635 1395059.00080521 16475481.7231241 16717960.5035855	
Stand Alone ObjectClass(s)						
MB_Rank_Data	Feature Class	Polygon	- Prioritizatoin Model Building Rank Data	1039	2105460.80238618 2544243.52718118 12408394.4392922 12650626.2209038	
Rank_Data_Base	Feature Class	Polygon	-Rank Data Base for Prioritization	1039	2105460.80238618 2544243.52718118 12408394.4392922 12650626.2209038	

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Appendix C

Colonias Rankings & Statistics

Appendix C.1

Colonias Rankings & Statistics

Model Builder Schematic

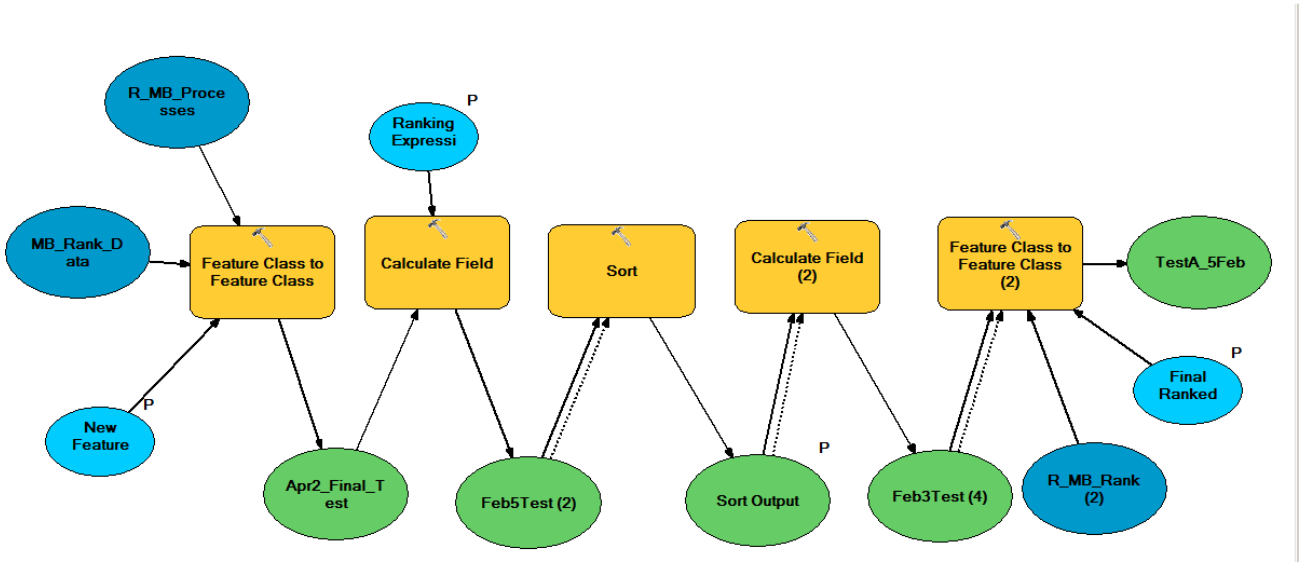
C.1 – Model Builder Schematic

The LRGV Secretary of State Colonias were ranked using two separate sets of geoprocessing tools known as "Models" in ArcGIS. The "Prioritization Model" assigns a numerical value to each Colonia ranking criteria. The "Ranking Model" applies a weight for each Colonia Ranking Criteria value and then sums each criterion per Colonia for a total ranking value. These sum values are used to rank the Colonias from the greatest value (Rank = 1) to the smallest value (Rank = 988).

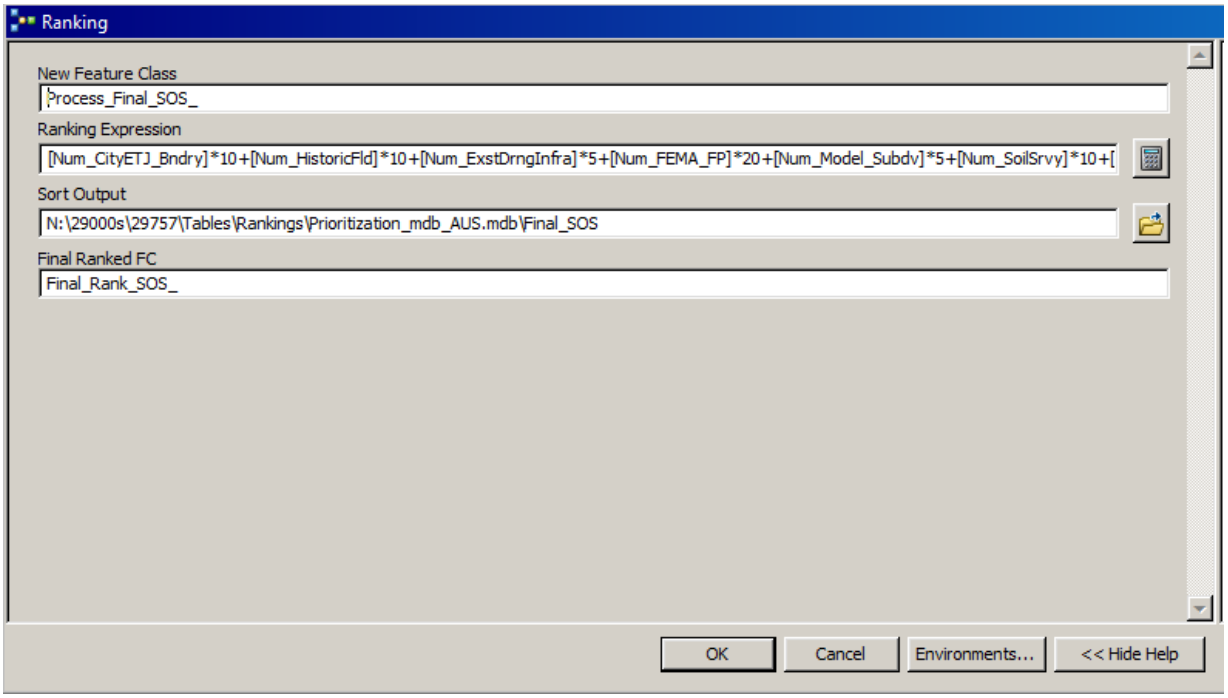
The Prioritization Model was applied to a copy of the Colonias shapefile called "MB_Rank_Data". The pre-determined values (i.e. Colonias within City Limits are assigned a value of 1, Colonias within ETJ limits are assigned a value of 3) as listed in Table 5, are then applied to the feature class. The resulting values are used in the Ranking Model when applying the prioritization weights. To run the Prioritization model, click "Properties", and then "Run".

The ranking tool (See Example 1 below) applies the predetermined weights (see Appendix C.4 Prioritization Ranking Expression.xls) to the MB_Rank_Data. To run the Ranking Tool, double click the Ranking Model Builder in the Toolbox. In the window that opens, enter your feature class names (See Example 2 below) and the Ranking Expression from the excel spreadsheet. This process creates three (3) feature classes. The first copy is used for processing and is saved under the "R_MB_Processes" Feature Dataset in the Geodatabase. The second is saved in a Microsoft Access Database (.mdb) as a backup. The final ranked feature class is saved in the "R_MB_Rank" Feature Dataset.

Ex 1: Ranking Model Builder Schematic



Ex 2: Ranking Model Builder Interface



Appendix C.2

Colonias Rankings & Statistics

Prioritization Results

Prioritization Results: Secretary of State Colonias

MNUMBER	Colonias Name	County Name	Existing INFRA	FEMA FP	Hydric Soils	In DD	Population	Current Proj	Existing Study Info	Model Subdivision	City Bndry	Historic Flooding	Terrain Ponding	Colonias Rank	Total Points
M0310171	XX Farms	CAMERON	Yellow	100	A	Inside	44	No Project	No Study	8/30/1978		Frequent	100	1	450
M0310094	Leisure Time Mobile Home Park	CAMERON	Red	100	A	Inside	34	No Project	No Study	<null>		Frequent	98	2	440
M2450011	S & C	WILLACY	Unknown	100	C	Inside	17	Funded	No Study	<null>		Rare	99	3	430
M2450004	El Chapote	WILLACY	Unknown	100	C	Outside	12	No Project	Study	<null>		Rare	72	4	410
M1080165	Collin Subd.	HIDALGO	Unknown	100	B	Inside	59	Planned	Study	7/19/1983	ETJ	Rare	87	5	410
M2450014	Sebastian	WILLACY	Unknown	100	B	Inside	1904	Funded	Study	<null>		Frequent	44	6	370
M1080211	Cuevitas	HIDALGO	Unknown	100	C	Outside	561	No Project	Study	<null>	ETJ	Rare	2	7	355
M1080145	Cerrito Subd.	HIDALGO	Red	500	D	Inside	173	Planned	Study	<null>		Frequent	41	8	355
M2450016	Zapata Ranch	WILLACY	Unknown	100	B	Inside	75	No Project	No Study	<null>		Rare	36	9	350
M1080717	Sunrise Hill	HIDALGO	Red	100	C	Inside	599	Planned	Study	4/24/1978	ETJ	Frequent	2	10	345
M1080293	Granada Estates	HIDALGO	Red	100	B	Inside	72	Planned	Study	2/20/1973	ETJ	Frequent	46	11	340
M2450006	Lasara	WILLACY	Unknown	100	C	Outside	824	Funded	Study	1/23/1927		Rare	15	12	335
M0310092	Laureles	CAMERON	Yellow	500	D	Inside	1568	No Project	No Study	11/12/1980	ETJ	Frequent	1	13	330
M1080552	Parajitos	HIDALGO	Red	100	B	Inside	36	Planned	Study	<null>	ETJ	Frequent	36	14	320
M0310057	Galpin	CAMERON	Yellow	100	D	Outside	413	Funded	No Study	8/18/1981	ETJ	Frequent	19	15	320
M1080085	Basham #3	HIDALGO	Unknown	100	B	Inside	3	Planned	Study	<null>	ETJ	Rare	31	16	310
M2450015	Willacy Acres	WILLACY	Unknown	X	B	Outside	18	No Project	No Study	<null>		Rare	69	17	310
M0310174	Yznaga #2	CAMERON	Yellow	100	B	Outside	53	No Project	No Study	12/6/1926		Frequent	6	18	310
M0310011	Arroyo Colorado Estates	CAMERON	Green	100	D	Inside	854	Funded	Study	4/14/1962	ETJ	Frequent	1	19	305
M1080429	Los Leones	HIDALGO	Unknown	X	C	Inside	122	Planned	Study	<null>	ETJ	Rare	26	20	305
M1080314	Heidelberg	HIDALGO	Red	500	C	Inside	506	Planned	Study	<null>		Frequent	2	21	305
M0310139	Santa Rosa #6	CAMERON	Yellow	100	D	Outside	102	Planned	No Study	<null>	ETJ	Frequent	2	22	305
M1080311	Havana Lomas #5	HIDALGO	Yellow	100	B	Outside	117	No Project	Study	1/1/1987	ETJ	Frequent	2	23	305
M0310082	Lago	CAMERON	Yellow	100	C	Inside	449	Funded	No Study	1/18/1962	ETJ	Frequent	2	24	300
M0310063	Green Valley Farms	CAMERON	Yellow	100	D	Inside	470	Funded	Study	2/11/1981	ETJ	Frequent	3	25	300
M0310106	Nogal St.	CAMERON	Red	100	D	Inside	31	No Project	No Study	<null>	ETJ	Frequent	4	26	300
M0310136	Santa Rosa #12	CAMERON	Red	100	C	Outside	44	Planned	No Study	<null>	ETJ	Frequent	5	27	300
M0310015	Aurora Longoria	CAMERON	Green	100	D	Outside	20	Planned	No Study	12/11/1962	ETJ	Frequent	1	28	300
M1080241	El Charro Subd.	HIDALGO	Yellow	100	B	Inside	676	Planned	Study	3/5/1996	ETJ	Frequent	1	29	295
M0310157	Tierra Bonita #3	CAMERON	Green	100	C	Outside	220	Funded	Study	3/6/1987	ETJ	Frequent	2	30	295
M0310020	Bishop	CAMERON	Green	100	D	Outside	123	Planned	No Study	<null>	ETJ	Frequent	2	31	295
M1080567	Primavera #2	HIDALGO	Yellow	100	C	Inside	626	Planned	Study	7/7/1987	ETJ	Frequent	1	32	295

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M1080425	Los Ebanos	HIDALGO	Unknown	100	B	Outside	747	No Project	Study	1/17/1961	ETJ	Frequent	1	33	295
M1080621	Robinette Subd.	HIDALGO	Yellow	100	D	Inside	18	Planned	Study	2/23/1960	ETJ	Frequent	9	34	290
M1080672	Siesta Village #4	HIDALGO	Yellow	100	C	Inside	1845	Funded	Study	1/3/1984	ETJ	Frequent	1	35	290
M0310111	Olmito	CAMERON	Yellow	100	B	Inside	4044	Funded	No Study	7/27/1926	ETJ	Frequent	1	36	290
M0310039	Del Mar Heights	CAMERON	Red	100	D	Inside	371	Planned	No Study	6/19/1962	ETJ	Frequent	0	37	290
M1080639	Salida Del Sol Estates Subd.	HIDALGO	Yellow	100	B	Outside	33	No Project	Study	5/14/1997	ETJ	Frequent	6	38	290
M1080366	L. R. Bell	HIDALGO	Unknown	500	B	Inside	3714	Planned	Study	10/19/1929		Frequent	1	39	290
M0310143	Schwartz	CAMERON	Yellow	100	D	Inside	8	No Project	No Study	11/3/1953		Frequent	0	40	290
M0310135	Santa Maria	CAMERON	Green	X	B	Outside	773	No Project	No Study	7/16/1912		Frequent	1	41	285
M1080568	Primavera Subd. #1	HIDALGO	Yellow	100	C	Inside	176	Funded	Study	3/18/1985	ETJ	Frequent	8	42	285
M0310012	Arroyo Gardens #1	CAMERON	Yellow	100	B	Inside	123	No Project	No Study	7/29/1929	ETJ	Frequent	3	43	285
M0310132	San Pedro	CAMERON	Green	100	B	Outside	714	Planned	Study	<null>	ETJ	Frequent	4	44	285
M1080460	Mesquite Acres	HIDALGO	Yellow	100	C	Inside	153	Funded	Study	7/14/1975	ETJ	Frequent	4	45	285
M1080416	Leslie Subd.	HIDALGO	Unknown	500	B	Inside	229	Funded	Study	<null>		Frequent	27	46	285
M0310009	Arroyo City Annex Subdivisio	CAMERON	Yellow	100	C/D	Inside	160	No Project	Study	1/21/1974		Frequent	0	47	285
M0310035	Combes	CAMERON	Green	100	B	Inside	2407	Funded	Study	4/27/1926	ETJ	Frequent	3	48	280
M0310130	Rutherford-Harding Addition	CAMERON	Green	100	D	Inside	1935	Funded	No Study	8/3/1931	ETJ	Frequent	1	49	280
M1080294	Granjeno	HIDALGO	Unknown	100	C	Inside	488	Funded	Study	<null>	ETJ	Frequent	2	50	280
M0310066	Harris Tract	CAMERON	Green	100	D	Inside	30	Planned	No Study	2/15/1924	ETJ	Frequent	4	51	280
M1080732	Tierra Dorada	HIDALGO	Green	500	C	Inside	1862	Funded	Study	8/10/1981	ETJ	Frequent	2	52	280
M0310117	Pennsylvania Avenue	CAMERON	Red	100	C	Inside	63	Planned	No Study	<null>	ETJ	Frequent	2	53	280
M1080618	River Road Subd.	HIDALGO	Yellow	500	D	Inside	316	Planned	Study	3/19/1984	ETJ	Frequent	3	54	280
M1080634	Runn	HIDALGO	Red	100	D	Inside	63	Planned	Study	<null>	ETJ	Frequent	5	55	280
M0310054	Expressway 83/77	CAMERON	Red	100	D	Inside	27	Planned	No Study	<null>	ETJ	Frequent	4	56	280
M0310029	Central Estates	CAMERON	Yellow	100	D	Inside	427	Planned	No Study	2/15/1973	ETJ	Frequent	0	57	280
M0310036	Coronado	CAMERON	Green	100	C	Inside	105	Planned	No Study	<null>	ETJ	Frequent	2	58	275
M1080137	Capisallo Park	HIDALGO	Yellow	500	D	Inside	916	Funded	Study	11/20/1962	ETJ	Frequent	1	59	275
M1080246	El Nopal	HIDALGO	Red	X	B	Inside	113	Planned	Study	<null>	ETJ	Frequent	63	60	275
M1080622	Rodgers Lake Estates	HIDALGO	Green	X	B	Inside	140	Planned	Study	3/13/1989	ETJ	Frequent	24	61	275
M0310155	Tierra Bonita	CAMERON	Green	500	C	Outside	105	No Project	No Study	2/11/1981		Frequent	0	62	275
M0310114	Palmer	CAMERON	Green	100	D	Inside	203	No Project	No Study	10/17/1966	ETJ	Frequent	0	63	275
M0310103	Lourdes Street	CAMERON	Red	100	D	Inside	189	No Project	No Study	<null>	ETJ	Frequent	0	64	275
M0310058	Glenwood Acres	CAMERON	Yellow	100	D	Inside	902	Funded	Study	9/9/1981	ETJ	Frequent	0	65	275
M0310115	Paredes Estates	CAMERON	Green	100	D	Inside	170	No Project	No Study	2/22/1983	ETJ	Frequent	0	66	275

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M1080457	Meadow Creek Country Club	HIDALGO	Green	100	C	Inside	177	Funded	Study	12/28/1984	ETJ	Frequent	5	67	275
M1080748	Town of Faysville	HIDALGO	Yellow	X	B	Outside	978	No Project	Study	4/19/1926	ETJ	Rare	2	68	275
M0310044	East Stenger Street	CAMERON	Green	100	D	Inside	116	Planned	No Study	<null>	ETJ	Frequent	4	69	275
M1080178	Colonia Lucero del Norte	HIDALGO	Red	X	D	Inside	414	Planned	Study	11/26/1984	ETJ	Frequent	5	70	270
M1080789	Villa Verde Subd.	HIDALGO	Yellow	500	C	Inside	1036	Planned	Study	7/29/1969	ETJ	Frequent	1	71	270
M0310010	Arroyo City Subdivision	CAMERON	Yellow	100	C/D	Inside	6	No Project	No Study	5/19/1954		Frequent	0	72	270
M2450013	Santa Monica	WILLACY	Unknown	100	B	Inside	65	No Project	Study	<null>		Rare	10	73	270
M0310047	El Camino Angosto	CAMERON	Green	100	D	Inside	282	Planned	No Study	2/10/1976	ETJ	Frequent	0	74	270
M1080692	Southfork Estates	HIDALGO	Green	500	D	Inside	321	Funded	Study	6/15/1983		Frequent	7	75	270
M1080691	Southern Valley Estates	HIDALGO	Yellow	100	C	Inside	45	Funded	Study	2/4/1956	ETJ	Frequent	7	76	270
M1080669	Siesta Village #1	HIDALGO	Yellow	100	B	Inside	1845	Planned	Study	2/10/1977	ETJ	Frequent	0	77	270
M0310123	Rangerville	CAMERON	Yellow	100	B	Outside	29	Planned	No Study	7/31/1919	ETJ	Frequent	6	78	270
M0310030	Channel Lots	CAMERON	Yellow	100	D	Inside	7	No Project	No Study	<null>		Frequent	0	79	270
M1080671	Siesta Village #3	HIDALGO	Yellow	500	B	Inside	1845	Planned	Study	1/7/1980	ETJ	Frequent	1	80	270
M2450003	Colonia Los Angeles	WILLACY	Unknown	100	C	Outside	69	Funded	Study	5/10/1950	ETJ	Rare	11	81	270
M0310024	Bonnaville Terrace	CAMERON	Yellow	100	C	Inside	3	Funded	Study	9/24/1959	ETJ	Frequent	2	82	270
M1080305	Harding Gill Tract	HIDALGO	Unknown	100	B	Outside	70	Planned	Study	1/28/1927	ETJ	Rare	7	83	270
M1080670	Siesta Village #2	HIDALGO	Yellow	100	B	Inside	1845	Planned	Study	6/4/1979	ETJ	Frequent	0	84	270
M0310173	Yznaga #1	CAMERON	Yellow	100	B	Outside	46	Funded	Study	12/4/1926		Frequent	5	85	270
M0310075	Juarez	CAMERON	Green	100	B	Inside	508	Funded	No Study	9/9/1957	ETJ	Frequent	3	86	265
M1080136	Capisallo Heights	HIDALGO	Red	500	A	Inside	545	Planned	Study	4/25/1925	ETJ	Frequent	2	87	265
M1080655	Seminary Estates	HIDALGO	Yellow	100	B	Inside	126	Planned	Study	8/20/1985	ETJ	Frequent	2	88	265
M1080536	Palm Lake Estates #1	HIDALGO	Green	100	B	Inside	795	Funded	Study	11/21/1975	ETJ	Frequent	2	89	265
M0310069	Indian Lake	CAMERON	Green	100	B	Inside	788	No Project	No Study	11/10/1971	ETJ	Frequent	0	90	265
M0310005	Alfredo Garza	CAMERON	Yellow	100	B	Inside	183	No Project	No Study	<null>	ETJ	Frequent	19	91	265
M1080747	Tower Subd.	HIDALGO	Yellow	100	B	Inside	113	Planned	Study	6/28/1976	ETJ	Frequent	2	92	265
M0310034	Colonia Iglesia Antigua	CAMERON	Yellow	500	D	Outside	217	Funded	No Study	9/8/1982	ETJ	Occassional	2	93	265
M0310074	Juan Gonzales	CAMERON	Yellow	X	D	Inside	192	No Project	No Study	9/27/1938	ETJ	Frequent	2	94	265
M0310004	Alabama/Arkansas	CAMERON	Red	500	D	Inside	515	Funded	No Study	<null>	ETJ	Frequent	2	95	265
M1080556	Penitas	HIDALGO	Red	100	B	Inside	779	Funded	Study	<null>	ETJ	Frequent	5	96	265
M1080214	Daniel Ozuna Subd.	HIDALGO	Unknown	100	B	Outside	189	No Project	Study	6/6/1983	ETJ	Rare	0	97	265
M1080840	Chapa #5	HIDALGO	Yellow	500	C	Inside	184	Planned	Study	6/19/1980	ETJ	Frequent	3	98	265
M0310014	Arroyo Gardens #4	CAMERON	Green	100	B	Inside	85	No Project	No Study	5/8/1947	ETJ	Frequent	2	99	260
M1080504	Nuevo Alton	HIDALGO	Green	100	B	Inside	1521	Planned	Study	9/30/1977	ETJ	Frequent	1	100	260

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M1080296	Green Valley Development Subd.	HIDALGO	Red	100	C	Inside	95	Planned	Study	1/20/1900	ETJ	Frequent	0	101	260
M1080362	L & P Subd.	HIDALGO	Red	X	C	Inside	59	Planned	Study	12/18/1979		Frequent	3	102	260
M1080126	Bustamante Subd.	HIDALGO	Red	X	D	Inside	36	Planned	Study	4/24/1978		Frequent	2	103	260
M0310119	Primera	CAMERON	Green	100	B	Inside	3907	Funded	Study	<null>	ETJ	Frequent	2	104	260
M1080778	Valley Star Acres	HIDALGO	Red	100	C	Inside	63	Planned	Study	9/1/1981	ETJ	Frequent	0	105	260
M1080256	Elizabeth Subd.	HIDALGO	Yellow	500	C	Inside	256	Planned	Study	2/7/1983		Frequent	1	106	260
M1080240	El Charro #2	HIDALGO	Unknown	100	B	Inside	329	Funded	Study	1/28/1980	ETJ	Frequent	1	107	260
M0310126	Ratamosa	CAMERON	Green	100	B	Outside	86	Planned	No Study	3/6/1926	ETJ	Frequent	5	108	260
M1080802	Weather Heights #1	HIDALGO	Red	100	B	Inside	63	Planned	Study	3/25/1986	ETJ	Frequent	2	109	260
M1080494	North Alamo Village	HIDALGO	Yellow	100	B	Inside	382	Funded	Study	7/21/1981	ETJ	Frequent	7	110	260
M0310041	East Cantu Country Estates	CAMERON	Green	100	B	Outside	27	Planned	No Study	1/9/1986	ETJ	Frequent	4	111	260
M1080763	Umberto Garcia Jr. Subd.	HIDALGO	Red	100	C	Inside	99	Funded	Study	<null>	ETJ	Frequent	2	112	260
M1080103	BERNAL HEIGHTS #1	HIDALGO	Red	100	B	Inside	104	Funded	Study	8/31/1982	ETJ	Frequent	3	113	255
M0310159	Travis Road	CAMERON	Red	100	C	Inside	124	Planned	No Study	<null>	ETJ	Frequent	1	114	255
M0310022	Bluetown	CAMERON	Green	100	B	Outside	241	No Project	Study	4/5/1930	ETJ	Frequent	0	115	255
M0310162	Valle Hermosa	CAMERON	Red	500	D	Inside	128	Funded	No Study	4/14/1982	ETJ	Frequent	2	116	255
M1080495	North Capisallo	HIDALGO	Red	500	C	Inside	144	Funded	Study	10/4/1960	ETJ	Frequent	1	117	255
M0310049	El Venadito	CAMERON	Red	X	C	Outside	121	Planned	No Study	<null>	ETJ	Frequent	3	118	255
M0310099	Los Cuates (south)	CAMERON	Red	100	B	Inside	190	Planned	No Study	<null>	ETJ	Frequent	3	119	255
M0310146	Solis	CAMERON	Green	100	B	Outside	178	Funded	Study	4/19/1923	ETJ	Frequent	11	120	255
M1080281	Garza Subd. #2	HIDALGO	Red	X	C	Inside	144	Planned	Study	1/20/1987	ETJ	Frequent	3	121	255
M1080015	Acosta Subd.	HIDALGO	Red	100	B	Inside	158	Funded	Study	10/3/1950	ETJ	Frequent	2	122	255
M1080524	Olympic Subd.	HIDALGO	Red	100	D	Inside	133	Funded	Study	8/18/1979	ETJ	Frequent	0	123	255
M1080290	Gonzalez-Zamora Subd.	HIDALGO	Unknown	500	B	Inside	567	Planned	Study	6/19/1962	ETJ	Frequent	1	124	255
M0310166	Villa del Sol	CAMERON	Green	100	B	Inside	132	No Project	No Study	<null>	ETJ	Frequent	7	125	255
M1080005	15 1/2 North/FM 491	HIDALGO	Red	100	B	Inside	150	Planned	Study	<null>	ETJ	Frequent	2	126	255
M1080127	C.A. Conner & Co. Inc. Subd.	HIDALGO	Red	100	B	Inside	103	Funded	Study	1/11/1954	ETJ	Frequent	6	127	255
M0310023	Boca Chica & Medford	CAMERON	Red	100	C	Inside	101	Planned	No Study	<null>	ETJ	Frequent	0	128	255
M0310161	Valle Escondido	CAMERON	Red	500	D	Inside	245	Funded	No Study	7/5/1984	ETJ	Frequent	1	129	255
M1080513	Olivarez #2	HIDALGO	Red	100	B	Inside	152	Planned	Study	<null>	ETJ	Frequent	2	130	255
M0310059	Gonzales	CAMERON	Yellow	100	D	Outside	3	Planned	No Study	<null>	ETJ	Frequent	0	131	250
M1080480	Moorefield Grove Estates	HIDALGO	Yellow	100	B	Inside	72	Planned	Study	2/7/1989	ETJ	Frequent	2	132	250
M1080759	Tropicana	HIDALGO	Yellow	100	B	Inside	77	Planned	Study	6/14/1980	ETJ	Frequent	1	133	250
M0310102	Los Ranchitos	CAMERON	Green	100	C	Inside	343	Funded	Study	9/8/1977	ETJ	Frequent	1	134	250

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M1080225	Diana Subd. #1	HIDALGO	Unknown	100	B	Inside	52	Planned	Study	2/11/1969	ETJ	Frequent	1	135	250
M1080226	Diana Subd. #2	HIDALGO	Unknown	100	B	Inside	61	Planned	Study	8/18/1970	ETJ	Frequent	2	136	250
M1080776	Valle Vista Subd.	HIDALGO	Red	X	B	Outside	431	No Project	Study	9/26/1983		Frequent	0	137	250
M1080443	M&R Subd.	HIDALGO	Yellow	100	C	Inside	36	Planned	Study	7/28/1981	ETJ	Frequent	0	138	250
M1080004	13 North/2 West	HIDALGO	Unknown	100	D	Inside	25	Planned	Study	<null>		Rare	1	139	250
M0310107	Norma Linda Road	CAMERON	Yellow	100	D	Inside	22	Planned	No Study	5/10/1978	ETJ	Frequent	0	140	250
M1080817	Zacatal	HIDALGO	Yellow	100	B	Inside	87	Planned	Study	<null>		Frequent	1	141	250
M1080617	River Bend Subd.	HIDALGO	Yellow	100	B	Inside	59	Planned	Study	10/27/1981	ETJ	Frequent	3	142	250
M0310168	Villa Pancho	CAMERON	Green	100	C	Inside	346	Funded	No Study	11/10/1975	ETJ	Frequent	0	143	250
M1080836	Schuerbach Acres #2	HIDALGO	Unknown	100	B	Inside	72	Planned	Study	6/6/1990	ETJ	Frequent	2	144	250
M0310026	Cameron Park	CAMERON	Yellow	100	B	Inside	5282	Funded	Study	12/18/1961	ETJ	Frequent	1	145	250
M1080160	CJRS Subd. A	HIDALGO	Yellow	100	B	Inside	63	Planned	Study	6/8/1976	ETJ	Occassional	1	146	250
M1080032	Alberta Estates #2	HIDALGO	Unknown	500	C	Inside	38	Planned	Study	8/5/1992	ETJ	Frequent	1	147	250
M1080527	Orleander Estates	HIDALGO	Unknown	100	D	Inside	3	Funded	Study	<null>	ETJ	Rare	7	148	250
M1080017	Adam Lee Subd.	HIDALGO	Unknown	100	B	Inside	9	Planned	Study	12/22/1981	ETJ	Rare	1	149	250
M1080335	Inspiration	HIDALGO	Unknown	100	B	Inside	54	Planned	Study	1/1/1970	ETJ	Frequent	2	150	250
M1080333	Imperial Subd.	HIDALGO	Yellow	100	B	Inside	50	Planned	Study	11/23/1982	ETJ	Frequent	4	151	250
M1080603	Rankin Subd.	HIDALGO	Yellow	100	B	Inside	77	Planned	Study	7/9/1979	ETJ	Frequent	2	152	250
M1080173	Colonia George	HIDALGO	Yellow	500	B	Inside	5	Funded	Study	<null>	ETJ	Frequent	24	153	250
M0310018	Bautista	CAMERON	Green	500	C	Inside	610	Planned	No Study	1/22/1982	ETJ	Frequent	0	154	245
M1080823	V & C	HIDALGO	Yellow	500	D	Inside	217	Planned	Study	4/28/1980		Frequent	0	155	245
M0310163	Valle Verde	CAMERON	Yellow	100	B	Outside	101	Planned	No Study	2/2/1978	ETJ	Frequent	0	156	245
M1080580	R.S.W. incorporated #1	HIDALGO	Yellow	100	C	Inside	212	Funded	Study	6/21/1973	ETJ	Frequent	0	157	245
M1080774	Valle de Palmas #1	HIDALGO	Yellow	500	D	Inside	144	Funded	Study	9/17/1984	ETJ	Frequent	1	158	245
M0310089	Las Yescas	CAMERON	Yellow	100	C	Inside	151	Funded	No Study	9/4/1958	ETJ	Frequent	1	159	245
M1080318	High Land Subd.	HIDALGO	Yellow	500	D	Inside	122	Funded	Study	2/23/1982	ETJ	Frequent	8	160	245
M1080728	Tierra Bella Subd.	HIDALGO	Yellow	500	C	Inside	190	Funded	Study	7/29/1974	ETJ	Frequent	2	161	245
M0310124	Rangerville Center	CAMERON	Red	X	D	Outside	17	Planned	No Study	<null>	ETJ	Frequent	5	162	240
M1080049	Angela	HIDALGO	Yellow	500	B	Inside	253	Planned	Study	1/17/1972	ETJ	Frequent	5	163	240
M0310148	South Fork Subdivision	CAMERON	Green	100	B	Inside	32	Planned	No Study	4/18/1980	ETJ	Frequent	3	164	240
M0310156	Tierra Bonita #2	CAMERON	Green	100	B	Outside	64	No Project	No Study	11/18/1986	ETJ	Frequent	0	165	240
M0310108	North 30 Subdivision (Hoa	CAMERON	Red	100	C	Inside	63	Planned	No Study	<null>	ETJ	Frequent	1	166	240
M1080016	Acre Tract	HIDALGO	Red	100	C	Inside	72	Funded	Study	2/1/1909	ETJ	Frequent	1	167	240
M1080277	Friendly Acres	HIDALGO	Red	100	B	Inside	95	Funded	Study	7/1/1988	ETJ	Frequent	1	168	240

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M0310147	Solis Road	CAMERON	Green	100	B	Outside	42	Planned	Study	<null>	ETJ	Frequent	6	169	240
M1080734	Tierra Estates Subd.	HIDALGO	Yellow	100	B	Inside	437	Planned	Study	5/13/1983	ETJ	Frequent	0	170	240
M1080104	Bernal Heights #2	HIDALGO	Red	100	B	Inside	32	Funded	Study	3/28/1983	ETJ	Frequent	5	171	240
M1080508	Old Rebel Field Subd.	HIDALGO	Red	500	D	Inside	45	Funded	Study	10/2/1978	ETJ	Frequent	5	172	240
M0310079	La Feria Gardens	CAMERON	Yellow	100	B	Outside	273	Funded	No Study	9/16/1971	ETJ	Frequent	0	173	240
M1080202	Country View Subd.	HIDALGO	Unknown	500	C	Inside	252	Planned	Study	9/12/1973	ETJ	Frequent	0	174	240
M1080197	Country Estates West Add. A	HIDALGO	Green	100	B	Inside	27	Planned	Study	1/5/1982	ETJ	Frequent	2	175	240
M1080624	Rodriguez Street	HIDALGO	Red	100	C	Inside	90	Planned	Study	<null>	ETJ	Frequent	0	176	240
M0310116	Paredes Partition	CAMERON	Red	100	D	Inside	65	Planned	No Study	<null>	ETJ	Frequent	0	177	240
M1080067	Bar #4	HIDALGO	Unknown	500	B	Inside	419	Planned	Study	7/16/1984	ETJ	Frequent	4	178	240
M0310046	El Calabozo	CAMERON	Green	100	B	Inside	95	No Project	Study	<null>	ETJ	Frequent	3	179	240
M0310056	Fred Adams	CAMERON	Green	100	C	Inside	83	Planned	No Study	5/22/1958	ETJ	Frequent	0	180	240
M0310050	Encantada	CAMERON	Green	100	B	Inside	142	Funded	No Study	6/6/1984	ETJ	Frequent	3	181	235
M0310093	Leal	CAMERON	Green	100	C	Inside	185	Funded	No Study	3/9/1965	ETJ	Frequent	0	182	235
M0310027	Carricitos-Landrum	CAMERON	Green	100	B	Inside	159	Planned	Study	<null>	ETJ	Frequent	1	183	235
M0310016	Barrington Heights	CAMERON	Green	100	B	Outside	173	Planned	No Study	6/16/1983	ETJ	Frequent	0	184	235
M1080652	Schroeder Subd.	HIDALGO	Yellow	500	D	Inside	789	Funded	Study	10/4/1980	ETJ	Frequent	1	185	235
M0310090	Lasana	CAMERON	Red	X	B	Outside	181	No Project	No Study	<null>	ETJ	Frequent	2	186	235
M1080599	Rancho Subd.	HIDALGO	Red	X	B	Outside	229	No Project	Study	12/8/1987		Frequent	0	187	235
M0310138	Santa Rosa #5	CAMERON	Red	X	B	Outside	111	No Project	No Study	<null>	ETJ	Frequent	1	188	235
M0310062	Grande Acres	CAMERON	Green	X	C	Outside	161	Funded	No Study	8/26/1963	ETJ	Frequent	4	189	235
M1080712	Sun Valley Estates #1	HIDALGO	Green	500	B	Inside	153	Planned	Study	4/2/1984		Frequent	3	190	235
M1080807	Western Estates #1	HIDALGO	Green	100	B	Inside	153	Funded	Study	12/13/1982	ETJ	Frequent	17	191	235
M0310118	Praxedis Saldivar	CAMERON	Red	100	B	Inside	254	Planned	No Study	<null>	ETJ	Frequent	0	192	230
M1080036	Alsonia	HIDALGO	Unknown	X	A	Outside	35	No Project	Study	3/11/1927	ETJ	Rare	3	193	230
M1080002	11 North/Victoria Rd-FM 493	HIDALGO	Yellow	100	B	Inside	36	Planned	Study	<null>	ETJ	Frequent	9	194	230
M1080119	Brandon Lake Subd.	HIDALGO	Unknown	100	B	Inside	24	Planned	Study	<null>	ETJ	Frequent	13	195	230
M1080756	Tri-City Subd. #2	HIDALGO	Green	100	B	Inside	483	Planned	Study	4/1/1981	ETJ	Frequent	1	196	230
M1080542	Palmarina	HIDALGO	Yellow	100	B	Inside	50	Funded	Study	12/20/1976	ETJ	Occassional	7	197	230
M0310037	Coulson	CAMERON	Yellow	X	D	Inside	8	No Project	No Study	6/2/1953		Frequent	0	198	230
M1080278	G & R Subd.	HIDALGO	Unknown	100	B	Inside	11	Funded	Study	10/27/1988	ETJ	Frequent	18	199	230
M1080470	Monica Acres	HIDALGO	Yellow	100	B	Inside	95	Funded	Study	4/23/1979	ETJ	Frequent	1	200	230
M0310083	Laguna Escondida	CAMERON	Yellow	100	C	Inside	39	Funded	No Study	9/10/1973	ETJ	Occassional	0	201	230
M0310165	Villa Cavazos	CAMERON	Green	X	B	Outside	304	Planned	No Study	4/21/1947	ETJ	Frequent	5	202	230

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M1080768	Val Verde Acres	HIDALGO	Yellow	100	B	Inside	59	Planned	Study	<null>	ETJ	Frequent	10	203	230
M1080218	Dellinger	HIDALGO	Yellow	500	C	Inside	23	Funded	Study	12/14/1981	ETJ	Frequent	5	204	230
M2450012	Sandy	WILLACY	Unknown	X	B	Outside	2	No Project	No Study	<null>		Rare	2	205	230
M1080148	Chapa North	HIDALGO	Unknown	100	C	Inside	69	Funded	Study	<null>		Rare	0	206	230
M1080269	Fleamarket R.O.W. Subd.	HIDALGO	Unknown	X	C	Inside	25	Planned	Study	6/3/1997	ETJ	Rare	1	207	230
M1080252	Eldora Gardens Subd.	HIDALGO	Unknown	100	C	Inside	72	Funded	Study	9/5/1979	ETJ	Frequent	1	208	230
M1080344	J. R. Subd. #2	HIDALGO	Unknown	X	D	Inside	45	Planned	Study	5/8/1990	ETJ	Rare	1	209	230
M2450010	Raymondville Tract #1	WILLACY	Unknown	X	C	Outside	9	No Project	No Study	<null>		Rare	0	210	230
M1080153	Citralinda	HIDALGO	Unknown	100	B	Inside	46	Funded	Study	10/21/1997	ETJ	Frequent	1	211	230
M1080329	Hoehn Drive Subd.	HIDALGO	Red	100	B	Inside	441	Funded	Study	3/28/1983	ETJ	Frequent	0	212	230
M1080801	Waterfall Road Subd.	HIDALGO	Yellow	X	D	Inside	108	Planned	Study	2/21/1984		Frequent	0	213	225
M1080037	Alta Vista Subd.	HIDALGO	Unknown	100	B	Inside	180	Planned	Study	6/22/1982	ETJ	Frequent	0	214	225
M0310008	Arroyo Alto	CAMERON	Yellow	X	C	Outside	238	Planned	No Study	4/17/1978	ETJ	Frequent	0	215	225
M1080050	Anna Lisa Subd.	HIDALGO	Yellow	100	B	Inside	171	Planned	Study	6/6/1977	ETJ	Frequent	0	216	225
M1080069	Bar #7	HIDALGO	Yellow	100	B	Inside	230	Planned	Study	6/4/1984	ETJ	Frequent	0	217	225
M1080751	Trenton Manor	HIDALGO	Yellow	500	B	Inside	194	Planned	Study	12/28/1982	ETJ	Frequent	1	218	225
M1080539	Palm Lake Estates #4	HIDALGO	Green	100	B	Inside	794	Funded	Study	2/10/1982	ETJ	Frequent	0	219	225
M1080227	Diana Subd. #3	HIDALGO	Unknown	100	B	Inside	110	Planned	Study	4/20/1972	ETJ	Frequent	0	220	225
M1080690	Southern Breeze Subd.	HIDALGO	Yellow	100	B	Inside	212	Planned	Study	2/3/1987	ETJ	Frequent	0	221	225
M1080260	Engleman Estates	HIDALGO	Yellow	100	B	Inside	162	Planned	Study	5/14/1984	ETJ	Frequent	0	222	225
M1080254	Eldora Subd.	HIDALGO	Unknown	100	C	Inside	135	Funded	Study	<null>	ETJ	Frequent	0	223	225
M0310087	Las Palmas	CAMERON	Green	100	B	Inside	813	Funded	Study	8/19/1964	ETJ	Frequent	1	224	225
M1080537	Palm Lake Estates #2	HIDALGO	Green	100	B	Inside	795	Funded	Study	5/15/1978	ETJ	Frequent	0	225	225
M1080501	North Santa Cruz Subd.	HIDALGO	Unknown	100	B	Inside	126	No Project	Study	<null>	ETJ	Rare	0	226	225
M0310150	South Ratliff Street	CAMERON	Red	X	D	Inside	44	Planned	No Study	<null>	ETJ	Frequent	8	227	220
M1080564	Porciones Center Subd.	HIDALGO	Green	500	B	Inside	5	Planned	Study	2/22/1990		Frequent	2	228	220
M1080063	Balli Estates	HIDALGO	Yellow	500	D	Inside	437	Funded	Study	4/17/1976	ETJ	Frequent	1	229	220
M1080775	Valle Hermoso Estates	HIDALGO	Red	100	B	Inside	41	Planned	Study	10/2/1979	ETJ	Frequent	0	230	220
M0310021	Bixby	CAMERON	Green	100	B	Inside	60	Funded	Study	2/27/1913	ETJ	Frequent	4	231	220
M1080693	Southside Village	HIDALGO	Yellow	500	C	Inside	279	Funded	Study	3/18/1982	ETJ	Frequent	0	232	220
M0310084	Laguna Escondida Heights #2	CAMERON	Green	100	C	Inside	71	Funded	Study	1/15/1921	ETJ	Frequent	0	233	220
M0310133	San Vicente Estates	CAMERON	Green	100	B	Inside	79	No Project	No Study	11/5/1985	ETJ	Frequent	0	234	220
M1080033	Albino Rodriguez Estates	HIDALGO	Red	500	C	Inside	45	Planned	Study	3/22/1976	ETJ	Frequent	0	235	220
M1080727	Tiejerina Estates	HIDALGO	Red	X	C	Inside	83	Funded	Study	<null>		Rare	3	236	220

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M0310142	Santa Rosa No. 13	CAMERON	Red	X	C	Outside	23	Funded	No Study	<null>	ETJ	Frequent	3	237	220
M1080070	Bar Subd. #6	HIDALGO	Unknown	500	B	Inside	302	Funded	Study	4/29/1986	ETJ	Frequent	1	238	220
M0310140	Santa Rosa #9	CAMERON	Green	500	B	Outside	55	No Project	No Study	<null>	ETJ	Frequent	4	239	220
M0310122	Rancho Grande	CAMERON	Green	X	D	Inside	21	Planned	No Study	9/15/1976	ETJ	Frequent	3	240	220
M1080699	Stephensons	HIDALGO	Green	X	D	Inside	90	Planned	Study	<null>		Frequent	13	241	220
M0310141	Santa Rosa Annex	CAMERON	Green	X	C	Outside	41	Funded	No Study	12/11/1974	ETJ	Frequent	9	242	220
M1080682	South Donna Subd.	HIDALGO	Yellow	500	D	Inside	465	Funded	Study	11/13/1984	ETJ	Frequent	0	243	220
M0310013	Arroyo Gardens #2	CAMERON	Green	100	B	Inside	20	No Project	No Study	7/25/1946	ETJ	Frequent	0	244	220
M0310128	Rice Tracts	CAMERON	Green	100	B	Inside	90	Funded	No Study	11/30/1927	ETJ	Frequent	2	245	220
M1080576	R.C. Babb Subd. #2	HIDALGO	Yellow	100	B	Inside	265	Funded	Study	5/24/1976	ETJ	Frequent	1	246	220
M1080781	Vertress Subd.	HIDALGO	Red	500	D	Inside	72	Planned	Study	10/8/1979	ETJ	Frequent	0	247	220
M1080512	Olivarez #10	HIDALGO	Red	100	B	Inside	27	Funded	Study	<null>	ETJ	Frequent	2	248	220
M1080577	R.C. Babb Subd. #3 & 4	HIDALGO	Yellow	500	B	Inside	265	Funded	Study	5/24/1976	ETJ	Frequent	8	249	220
M1080592	Ramona Subd.	HIDALGO	Green	X	D	Outside	68	No Project	Study	11/15/1983	ETJ	Frequent	0	250	220
M1080737	Tierra Prieta Subd.	HIDALGO	Yellow	500	D	Inside	358	Funded	Study	3/5/1979	ETJ	Frequent	0	251	220
M1080365	L. J. #1	HIDALGO	Yellow	100	B	Inside	378	Funded	Study	1/16/1984	ETJ	Frequent	1	252	220
M1080011	Abram North Subd.	HIDALGO	Unknown	100	B	Inside	355	Funded	Study	2/28/1994	ETJ	Rare	0	253	220
M1080711	Sun Valley Estates	HIDALGO	Green	100	B	Inside	135	Planned	Study	3/3/1978	ETJ	Frequent	0	254	215
M1080489	Murillo Subd.	HIDALGO	Yellow	500	B	Inside	531	Planned	Study	10/16/1947	ETJ	Frequent	0	255	215
M0310098	Los Cuates	CAMERON	Green	X	B	Inside	104	No Project	No Study	6/27/1980	ETJ	Frequent	1	256	215
M1080762	Twin Roads Subd.	HIDALGO	Green	100	B	Inside	153	Planned	Study	8/29/1997	ETJ	Frequent	0	257	215
M1080570	Puerta Del Sol Subd.	HIDALGO	Green	X	B	Inside	150	No Project	Study	12/20/1975	ETJ	Frequent	1	258	215
M1080419	Llano Grande Homesites	HIDALGO	Yellow	500	B	Inside	662	Planned	Study	7/8/1963	ETJ	Frequent	0	259	215
M0310109	North La Feria Village	CAMERON	Green	100	B	Outside	137	Funded	No Study	4/8/1981	ETJ	Frequent	0	260	215
M0310045	Eggers	CAMERON	Green	100	B	Inside	144	Funded	No Study	11/26/1949		Frequent	0	261	215
M1080168	Colonia Camargo	HIDALGO	Red	X	B	Outside	225	No Project	Study	7/15/1986	ETJ	Frequent	0	262	215
M0310096	Longoria Townsite	CAMERON	Green	X	B	Outside	111	No Project	No Study	5/21/1912		Frequent	1	263	215
M1080843	Amigo Park	HIDALGO	Red	500	C	Inside	231	Planned	Study	<null>	ETJ	Frequent	0	264	215
M0310038	Dakota Mobile Home Park	CAMERON	Green	X	D	Inside	109	Planned	No Study	<null>	ETJ	Frequent	2	265	215
M0310031	Chula Vista	CAMERON	Green	X	C	Inside	180	No Project	No Study	1/13/1982	ETJ	Frequent	0	266	215
M1080190	Cottonwood	HIDALGO	Unknown	100	B	Inside	72	Planned	Study	4/27/1982	ETJ	Rare	1	267	210
M1080630	Rosalito Subd.	HIDALGO	Yellow	100	B	Inside	27	Planned	Study	9/8/1981	ETJ	Frequent	0	268	210
M1080058	Arriaga Subd.	HIDALGO	Yellow	100	B	Inside	14	Planned	Study	10/10/1988	ETJ	Frequent	0	269	210
M1080636	Ruthven #1	HIDALGO	Yellow	500	C	Inside	77	Planned	Study	6/8/1942	ETJ	Frequent	0	270	210

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M1080641	San Carlos Acres	HIDALGO	Yellow	100	B	Inside	86	Planned	Study	8/11/1975	ETJ	Frequent	0	271	210
M1080510	Old Rebel Heights Subd. #2	HIDALGO	Yellow	500	C	Inside	90	Funded	Study	9/11/1986		Frequent	1	272	210
M1080432	Los Terrazos Subd.	HIDALGO	Yellow	100	B	Inside	27	Planned	Study	8/15/1979	ETJ	Frequent	0	273	210
M0310078	La Coma	CAMERON	Yellow	X	D	Inside	78	No Project	No Study	11/12/1975	ETJ	Frequent	0	274	210
M0310144	Shoemaker Acres	CAMERON	Yellow	X	D	Inside	97	No Project	No Study	11/18/1980	ETJ	Frequent	0	275	210
M1080251	El Sol Subd. #2	HIDALGO	Green	100	B	Inside	473	Funded	Study	6/1/1979	ETJ	Frequent	0	276	210
M1080149	Chapa South	HIDALGO	Unknown	100	C	Inside	79	Funded	Study	<null>	ETJ	Occassional	0	277	210
M1080237	Ebony Acres	HIDALGO	Unknown	100	B	Inside	63	Planned	Study	10/10/1949	ETJ	Frequent	0	278	210
M1080719	Sylvia Subd.	HIDALGO	Yellow	100	B	Inside	27	Planned	Study	5/8/1978	ETJ	Frequent	1	279	210
M1080766	Uvalde Subd.	HIDALGO	Yellow	X	C	Inside	32	Planned	Study	4/27/1982		Frequent	0	280	210
M0310112	Orason Acres	CAMERON	Yellow	X	C	Inside	24	No Project	No Study	11/4/1980	ETJ	Frequent	0	281	210
M1080019	Agua Dulce	HIDALGO	Green	100	B	Inside	353	Funded	Study	3/28/1967	ETJ	Frequent	0	282	210
M1080656	Seminary South Subd.	HIDALGO	Yellow	100	B	Inside	99	Planned	Study	10/30/1998	ETJ	Frequent	0	283	210
M1080245	El Monte Subd.	HIDALGO	Yellow	100	B	Inside	90	Funded	Study	1/6/1981		Frequent	1	284	210
M1080509	Old Rebel Heights Subd. #1	HIDALGO	Yellow	500	C	Inside	90	Funded	Study	3/2/1983		Frequent	0	285	210
M1080689	South Tower Estates	HIDALGO	Yellow	500	B	Inside	1290	Funded	Study	12/28/1984	ETJ	Frequent	0	286	210
M1080108	Big John Subd.	HIDALGO	Unknown	X	B	Inside	18	Planned	Study	8/8/1983		Occassional	2	287	210
M1080357	King Ranch Subd. #1	HIDALGO	Green	X	B	Outside	261	No Project	Study	8/17/1965	ETJ	Frequent	0	288	210
M1080306	Harmel Subd.	HIDALGO	Yellow	100	B	Inside	27	Planned	Study	2/22/1981	ETJ	Frequent	0	289	210
M1080558	Perezville	HIDALGO	Red	X	C	Inside	350	Planned	Study	<null>	ETJ	Frequent	0	290	210
M0310127	Reid Hope King	CAMERON	Green	X	C	Inside	497	Funded	No Study	<null>	ETJ	Frequent	1	291	210
M1080642	San Carlos Farms Subd.	HIDALGO	Yellow	100	B	Inside	41	Planned	Study	11/15/1976	ETJ	Frequent	0	292	210
M0310061	Graham	CAMERON	Yellow	100	B	Inside	96	Planned	No Study	2/24/1958	ETJ	Frequent	0	293	210
M1080507	Oak Subd.	HIDALGO	Yellow	100	B	Inside	45	Planned	Study	5/12/1980	ETJ	Frequent	0	294	210
M1080066	Bar #3	HIDALGO	Yellow	100	B	Inside	216	Funded	Study	8/5/1985	ETJ	Frequent	0	295	205
M1080676	Sings Subd.	HIDALGO	Yellow	100	B	Inside	229	Funded	Study	10/6/1993	ETJ	Frequent	0	296	205
M1080761	Twin Lake Subd.	HIDALGO	Yellow	X	B	Inside	120	Planned	Study	6/25/1987	ETJ	Rare	3	297	205
M1080424	Los Cerritos Subd.	HIDALGO	Unknown	X	A	Outside	187	No Project	Study	9/29/1994	ETJ	Rare	1	298	205
M0310081	La Paloma	CAMERON	Green	X	C	Inside	562	Funded	Study	12/12/1912	ETJ	Frequent	0	299	205
M1080785	Villa Del Mundo Subd.	HIDALGO	Yellow	500	B	Inside	239	Funded	Study	5/10/1982	ETJ	Frequent	2	300	205
M1080648	Santa Amalia Subd.	HIDALGO	Yellow	X	D	Inside	136	Planned	Study	11/15/1990	ETJ	Frequent	0	301	205
M1080116	Bougainvillea	HIDALGO	Yellow	X	B	Inside	117	Planned	Study	11/24/1981	ETJ	Frequent	2	302	205
M2450008	Lyford South	WILLACY	Unknown	X	B	Inside	158	No Project	No Study	<null>	ETJ	Rare	16	303	205
M0310042	East Cantu Road	CAMERON	Green	X	B	Outside	88	No Project	No Study	8/20/1984		Frequent	0	304	200

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M1080662	SH 88/14 North/6 West	HIDALGO	Red	X	B	Inside	81	Planned	Study	<null>		Frequent	4	305	200
M0310025	Bullis Addition	CAMERON	Green	X	C	Inside	90	No Project	No Study	9/12/1960	ETJ	Frequent	1	306	200
M1080765	Upper Sharyland Subd.	HIDALGO	Green	100	B	Inside	63	Planned	Study	5/23/1983	ETJ	Frequent	0	307	200
M1080598	Rancho Nuevo Subd.	HIDALGO	Yellow	500	B	Inside	312	Planned	Study	10/1/1979	ETJ	Frequent	0	308	200
M1080008	9 North/East FM 493	HIDALGO	Red	500	D	Inside	30	Planned	Study	<null>	ETJ	Frequent	0	309	200
M1080280	Garza Subd. #1	HIDALGO	Red	X	B	Inside	32	Planned	Study	3/23/1982	ETJ	Frequent	3	310	200
M1080786	Villa Del Sol	HIDALGO	Yellow	500	B	Inside	261	Planned	Study	11/30/1982	ETJ	Frequent	0	311	200
M1080666	Shary Groves Estates	HIDALGO	Green	100	B	Inside	54	Planned	Study	2/2/1976	ETJ	Frequent	0	312	200
M0310095	Leonar B. De Villarreal	CAMERON	Red	X	C	Inside	6	No Project	No Study	<null>	ETJ	Frequent	0	313	200
M0310028	Casa Del Rey	CAMERON	Yellow	X	B	Inside	448	No Project	No Study	4/15/1983	ETJ	Frequent	0	314	200
M0310105	Nancy	CAMERON	Green	X	B	Outside	84	Planned	No Study	4/14/1958	ETJ	Frequent	5	315	200
M1080522	Olivarez 17	HIDALGO	Red	X	B	Inside	48	Planned	Study	<null>		Frequent	4	316	200
M1080239	Edinburg Acres	HIDALGO	Red	X	B	Inside	54	Planned	Study	9/24/1985	ETJ	Frequent	12	317	200
M1080428	Los Ebanos Subd. #2	HIDALGO	Green	100	B	Inside	65	Planned	Study	1/25/1988	ETJ	Frequent	0	318	200
M1080841	Chapa Subdivision	HIDALGO	Red	500	D	Inside	36	Planned	Study	<null>	ETJ	Frequent	0	319	200
M0310120	Rabb Road	CAMERON	Red	X	C	Outside	46	Planned	No Study	<null>	ETJ	Frequent	0	320	200
M1080821	Lopez - Guiterrez	HIDALGO	Red	500	B	Inside	40	Planned	Study	9/21/1982		Frequent	0	321	200
M1080221	Delta/Rodger Subd.	HIDALGO	Red	500	B	Inside	23	Planned	Study	<null>	ETJ	Frequent	7	322	200
M1080811	Whitewing Subd.	HIDALGO	Green	500	C	Inside	71	Planned	Study	7/14/1987	ETJ	Frequent	0	323	200
M1080515	Olivarez #4	HIDALGO	Red	X	C	Inside	72	Funded	Study	<null>	ETJ	Frequent	1	324	200
M1080517	Olivarez #6	HIDALGO	Red	100	B	Inside	81	Planned	Study	<null>	ETJ	Frequent	1	325	200
M1080152	Chula Vista Acres	HIDALGO	Red	X	B	Inside	153	Funded	Study	8/28/1984	ETJ	Frequent	1	326	195
M1080086	Basham #4	HIDALGO	Green	100	B	Inside	113	Funded	Study	4/7/1980	ETJ	Frequent	1	327	195
M1080804	Wes-mer Subd.	HIDALGO	Yellow	500	B	Inside	570	Funded	Study	11/20/1974	ETJ	Frequent	0	328	195
M0310080	La Kinina	CAMERON	Green	X	B	Outside	133	No Project	No Study	3/25/1985	ETJ	Frequent	0	329	195
M1080261	Enrique Bazan Subd.	HIDALGO	Green	100	B	Inside	108	Funded	Study	4/19/1980	ETJ	Frequent	0	330	195
M1080436	Los Trevinos Subd. #4	HIDALGO	Green	X	B	Inside	216	Planned	Study	6/20/1983	ETJ	Frequent	1	331	195
M1080358	King Ranch Subd. #2	HIDALGO	Green	X	B	Outside	158	No Project	Study	7/8/1970	ETJ	Frequent	0	332	195
M1080183	Colonia Tijerina	HIDALGO	Red	500	B	Inside	171	Planned	Study	5/25/1982	ETJ	Frequent	0	333	195
M0310152	Stardust South	CAMERON	Red	X	B	Outside	107	No Project	Study	<null>	ETJ	Frequent	0	334	195
M1080248	El Rio Subd.	HIDALGO	Green	X	B	Outside	207	No Project	Study	8/28/1978	ETJ	Frequent	0	335	195
M1080680	Sno-Bird Estates #2	HIDALGO	Green	100	B	Inside	185	Funded	Study	5/11/1981	ETJ	Frequent	0	336	195
M1080132	Cana de Azucar Subd.	HIDALGO	Red	X	B	Inside	140	Funded	Study	2/27/1980	ETJ	Frequent	2	337	195
M1080111	Blue Star Enterprises #2	HIDALGO	Green	X	B	Outside	198	No Project	Study	5/2/1986	ETJ	Frequent	0	338	195

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M1080722	Ten Acres Subd.	HIDALGO	Green	X	B	Inside	214	Planned	Study	12/4/1978	ETJ	Frequent	6	339	195
M1080740	Tiny Acres	HIDALGO	Green	100	B	Inside	245	Funded	Study	10/6/1953	ETJ	Frequent	0	340	195
M1080204	Country Village Subd. #2	HIDALGO	Red	X	B	Inside	113	Planned	Study	1/5/1982		Frequent	0	341	195
M1080131	Campo Alto	HIDALGO	Yellow	500	B	Inside	639	Funded	Study	1/30/1956	ETJ	Frequent	0	342	195
M1080703	Stewart South Subd.	HIDALGO	Green	X	B	Inside	117	Planned	Study	10/13/1986	ETJ	Frequent	3	343	195
M1080547	Palmview Paradise	HIDALGO	Green	X	B	Inside	104	Planned	Study	3/25/1986	ETJ	Frequent	1	344	195
M1080162	Closner Subd.	HIDALGO	Red	500	B	Inside	221	Funded	Study	<null>	ETJ	Frequent	5	345	195
M1080437	Los Trevinos Subd. #5	HIDALGO	Unknown	X	C	Inside	9	Planned	Study	7/16/1984	ETJ	Frequent	0	346	190
M1080354	Kaufold Estates #1	HIDALGO	Yellow	X	B	Inside	41	Planned	Study	12/27/1988	ETJ	Frequent	1	347	190
M1080782	Victoria Acres	HIDALGO	Yellow	X	B	Inside	45	Planned	Study	7/24/1978	ETJ	Frequent	1	348	190
M1080822	Ramiro Leal	HIDALGO	Yellow	X	B	Inside	64	Planned	Study	4/27/1982	ETJ	Frequent	2	349	190
M1080834	Palm Subdivision #2	HIDALGO	Yellow	X	B	Inside	72	Planned	Study	7/3/1990	ETJ	Frequent	2	350	190
M1080212	Curl Tex	HIDALGO	Unknown	X	B	Inside	32	Planned	Study	5/18/1973	ETJ	Frequent	1	351	190
M1080560	Peter Gort	HIDALGO	Unknown	500	B	Inside	45	Planned	Study	12/10/1984		Frequent	0	352	190
M1080042	Amber Land Subd.	HIDALGO	Yellow	100	B	Inside	59	Funded	Study	7/27/1979	ETJ	Frequent	0	353	190
M1080303	Hacienda el Porvenir	HIDALGO	Unknown	X	B	Inside	94	Planned	Study	3/6/1995	ETJ	Rare	2	354	190
M1080824	Village Grove #1	HIDALGO	Yellow	500	B	Inside	39	Funded	Study	6/13/1977	ETJ	Frequent	1	355	190
M1080492	Newkirk Subd.	HIDALGO	Unknown	100	B	Inside	63	Planned	Study	<null>	ETJ	Frequent	0	356	190
M1080803	Welch Tract	HIDALGO	Yellow	500	C	Inside	50	Planned	Study	<null>	ETJ	Frequent	0	357	190
M1080142	Castaneda Subd.	HIDALGO	Unknown	100	B	Inside	50	Funded	Study	6/22/1976	ETJ	Frequent	1	358	190
M1080014	Acevedo Subd. #4	HIDALGO	Red	500	B	Inside	293	Funded	Study	10/5/1982	ETJ	Frequent	0	359	190
M1080193	Country Aire Estates #4	HIDALGO	Yellow	X	B	Inside	27	Planned	Study	7/7/1988	ETJ	Frequent	3	360	190
M1080189	Cotter Tract	HIDALGO	Red	500	B	Inside	279	Planned	Study	<null>	ETJ	Frequent	0	361	190
M1080675	Simpatico Acres	HIDALGO	Yellow	X	B	Inside	54	Planned	Study	11/23/1982	ETJ	Rare	18	362	190
M1080446	Magnolia #1	HIDALGO	Unknown	500	D	Inside	72	Planned	Study	<null>	ETJ	Occassional	0	363	190
M1080620	Road Runner Subd. #2	HIDALGO	Yellow	500	B	Inside	50	Funded	Study	9/27/1997	ETJ	Frequent	1	364	190
M1080169	Colonia Claude Lookingbill	HIDALGO	Unknown	100	B	Inside	48	Planned	Study	<null>	ETJ	Rare	0	365	190
M1080659	Serendipity Way	HIDALGO	Yellow	X	B	Inside	39	Planned	Study	5/10/1982	ETJ	Frequent	1	366	190
M1080124	Bryan Acres	HIDALGO	Unknown	100	B	Inside	59	Funded	Study	8/10/1992	ETJ	Frequent	0	367	190
M1080694	Spring Gardens	HIDALGO	Yellow	100	B	Inside	63	Planned	Study	<null>	ETJ	Rare	0	368	190
M1080422	Lorenzana Subd.	HIDALGO	Yellow	500	B	Inside	60	Funded	Study	2/27/1978	ETJ	Frequent	5	369	190
M1080353	Josefina L. Chapa Subd.	HIDALGO	Unknown	500	C	Inside	51	Funded	Study	10/4/1962	ETJ	Frequent	0	370	190
M1080201	Country Terrace Estates	HIDALGO	Unknown	100	B	Inside	36	Funded	Study	11/18/1986	ETJ	Occassional	0	371	190
M1080134	Cantu Subd.	HIDALGO	Unknown	X	B	Inside	54	Planned	Study	3/3/1993	ETJ	Frequent	1	372	190

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M1080352	Jesus Maria Subd.	HIDALGO	Unknown	X	D	Inside	64	Planned	Study	1/10/1982	ETJ	Rare	0	373	190
M1080219	Delta Court	HIDALGO	Yellow	X	B	Inside	93	Planned	Study	11/23/1926	ETJ	Frequent	2	374	190
M1080273	FM 1925/Floral Rd	HIDALGO	Unknown	100	B	Inside	64	Planned	Study	<null>	ETJ	Rare	0	375	190
M1080646	Sanchez Ranch	HIDALGO	Green	500	C	Inside	374	Funded	Study	<null>	ETJ	Frequent	1	376	190
M1080421	Loma Linda Heights Subd.	HIDALGO	Unknown	X	B	Inside	140	Funded	Study	2/1/1983	ETJ	Occassional	2	377	185
M1080135	Capetillo Subd.	HIDALGO	Unknown	X	D	Inside	199	Planned	Study	<null>	ETJ	Rare	0	378	185
M1080838	Babb RC Mobile Home	HIDALGO	Green	500	B	Inside	796	Funded	Study	1/5/1982	ETJ	Frequent	0	379	185
M1080355	Kenyon Subd. #1	HIDALGO	Yellow	500	B	Inside	113	Planned	Study	6/27/1990	ETJ	Frequent	0	380	185
M1080209	Cuellar Subd. #3	HIDALGO	Yellow	500	B	Inside	145	Planned	Study	11/5/1985	ETJ	Frequent	0	381	185
M1080749	Towne East Subd. #1	HIDALGO	Yellow	500	B	Inside	113	Planned	Study	8/11/1977	ETJ	Frequent	0	382	185
M1080368	La Blanca Heights	HIDALGO	Unknown	X	C	Inside	152	Funded	Study	1/14/1980	ETJ	Frequent	1	383	185
M1080208	Cuellar Subd. #2	HIDALGO	Yellow	500	B	Inside	145	Planned	Study	4/9/1979	ETJ	Frequent	0	384	185
M1080746	Tower Heights Subd.	HIDALGO	Yellow	500	B	Inside	131	Planned	Study	3/11/1991	ETJ	Frequent	0	385	185
M1080207	Cuellar Subd. #1	HIDALGO	Yellow	500	B	Inside	146	Planned	Study	2/27/1978	ETJ	Frequent	1	386	185
M1080210	Cuellar Subd. #4	HIDALGO	Yellow	500	B	Inside	146	Planned	Study	7/28/1988	ETJ	Frequent	0	387	185
M1080243	El Gato	HIDALGO	Unknown	500	B	Inside	291	Planned	Study	<null>	ETJ	Frequent	0	388	180
M1080363	L & R Garza	HIDALGO	Green	100	B	Inside	99	Funded	Study	1/28/1994	ETJ	Frequent	0	389	180
M1080731	Tierra Del Valle Subd.	HIDALGO	Red	500	B	Inside	86	Planned	Study	3/3/1980	ETJ	Frequent	0	390	180
M1080308	Havana Lomas #2	HIDALGO	Green	X	B	Outside	15	No Project	Study	10/21/1980	ETJ	Frequent	0	391	180
M0310137	Santa Rosa #14	CAMERON	Green	X	C	Outside	57	Planned	No Study	<null>	ETJ	Frequent	0	392	180
M1080158	Citrus Ranchitos Subd.	HIDALGO	Red	500	B	Inside	32	Planned	Study	1/18/1966	ETJ	Frequent	0	393	180
M0310085	Lantana Acres	CAMERON	Green	500	B	Inside	66	No Project	No Study	3/18/1983	ETJ	Frequent	1	394	180
M1080533	Palm Acres Estates	HIDALGO	Red	X	B	Inside	50	Funded	Study	8/20/1979	ETJ	Frequent	12	395	180
M1080091	Basham #9	HIDALGO	Green	100	B	Inside	18	Planned	Study	<null>	ETJ	Frequent	0	396	180
M0310121	Ranchito	CAMERON	Green	500	B	Inside	1328	Funded	No Study	<null>	ETJ	Frequent	1	397	180
M1080430	Los Padres Subd.	HIDALGO	Green	X	B	Inside	90	Planned	Study	5/30/1978	ETJ	Frequent	1	398	180
M1080647	Sandy Ridge	HIDALGO	Yellow	X	B	Inside	350	Planned	Study	6/1/1982	ETJ	Rare	0	399	180
M1080799	Ware Shadows	HIDALGO	Green	X	B	Inside	99	Planned	Study	11/1/1977	ETJ	Frequent	2	400	180
M1080268	Ezequiel Acevedo Subd.	HIDALGO	Red	X	B	Inside	81	Funded	Study	7/23/1979	ETJ	Frequent	1	401	180
M1080575	R.C. Babb Subd.	HIDALGO	Yellow	500	B	Inside	266	Funded	Study	1/12/1976	ETJ	Frequent	0	402	180
M1080792	Walston Farms	HIDALGO	Yellow	X	B	Inside	275	Planned	Study	6/29/1962	ETJ	Frequent	0	403	180
M1080310	Havana Lomas #4	HIDALGO	Green	X	B	Outside	90	No Project	Study	10/29/1985	ETJ	Frequent	0	404	180
M1080609	Reina Subd.	HIDALGO	Green	X	B	Outside	32	No Project	Study	10/6/1981	ETJ	Frequent	0	405	180
M1080523	Olivarez 18	HIDALGO	Red	X	B	Inside	76	Funded	Study	<null>		Frequent	1	406	180

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M1080709	Sun Country Estates	HIDALGO	Yellow	X	B	Inside	348	Planned	Study	1/11/1971	ETJ	Frequent	0	407	180
M1080769	Val Verde Grove	HIDALGO	Yellow	500	B	Inside	270	Funded	Study	3/3/1981	ETJ	Frequent	0	408	180
M1080608	Reina Del Sol Mobile Home Esta	HIDALGO	Green	X	B	Inside	72	Planned	Study	10/21/1980	ETJ	Frequent	2	409	180
M1080483	Morningside Mobile Home Park	HIDALGO	Green	X	B	Inside	64	Planned	Study	<null>		Frequent	2	410	180
M0310091	Lasana West	CAMERON	Red	X	B	Outside	55	No Project	No Study	<null>	ETJ	Frequent	0	411	180
M1080203	Country Village Subd. #1	HIDALGO	Red	X	B	Inside	90	Planned	Study	7/28/1981		Frequent	1	412	180
M1080496	North Country Estates	HIDALGO	Green	100	B	Inside	39	Funded	Study	4/26/1972	ETJ	Frequent	0	413	180
M1080585	Rambo Estates	HIDALGO	Yellow	500	B	Inside	257	Funded	Study	11/14/1988	ETJ	Frequent	0	414	180
M0310064	Gumesindo Galvan	CAMERON	Green	X	D	Inside	25	No Project	No Study	<null>	ETJ	Frequent	1	415	180
M1080464	Mile 10 N. @ Mile 5 W.	HIDALGO	Red	X	B	Inside	23	Planned	Study	<null>	ETJ	Frequent	1	416	180
M0310040	Dockberry Estates	CAMERON	Red	X	C	Inside	21	Planned	No Study	<null>	ETJ	Frequent	0	417	180
M1080569	Puerta Blanca Subd.	HIDALGO	Green	X	B	Outside	72	No Project	Study	2/23/1982	ETJ	Frequent	0	418	180
M1080528	Owassa Estates	HIDALGO	Red	500	B	Inside	45	Planned	Study	1/23/1978	ETJ	Frequent	0	419	180
M1080679	Sno-Bird Estates	HIDALGO	Green	100	B	Inside	90	Funded	Study	5/14/1979	ETJ	Frequent	0	420	180
M1080309	Havana Lomas #3	HIDALGO	Green	X	B	Outside	24	No Project	Study	4/30/1984	ETJ	Frequent	0	421	180
M1080790	Village Grove #2	HIDALGO	Yellow	500	B	Inside	338	Funded	Study	6/13/1977	ETJ	Frequent	0	422	180
M1080170	Colonia del Noreste	HIDALGO	Yellow	X	B	Inside	666	Funded	Study	11/21/1983	ETJ	Frequent	0	423	175
M1080435	Los Trevinos Subd. #3	HIDALGO	Green	X	C	Inside	162	Funded	Study	3/23/1982	ETJ	Frequent	1	424	175
M1080521	Olivarez 15	HIDALGO	Red	X	B	Inside	109	Planned	Study	<null>		Frequent	0	425	175
M1080326	Hillcrest Terrace	HIDALGO	Green	X	B	Inside	140	No Project	Study	3/12/1984	ETJ	Frequent	1	426	175
M1080835	Patal Estates	HIDALGO	Green	X	B	Inside	108	Funded	Study	5/11/1981	ETJ	Frequent	2	427	175
M1080550	Panfilo Martinez Subd.	HIDALGO	Green	100	B	Inside	104	Funded	Study	<null>	ETJ	Frequent	1	428	175
M0310052	Esparza Subd. #2	CAMERON	Green	X	B	Inside	193	Funded	No Study	5/19/1982	ETJ	Frequent	5	429	175
M0310160	Unknown (Oklahoma Avenue)	CAMERON	Red	X	D	Inside	128	Funded	No Study	<null>	ETJ	Frequent	0	430	175
M1080529	Owassa Rd/Tower Rd	HIDALGO	Red	X	C	Inside	139	Funded	Study	<null>	ETJ	Frequent	0	431	175
M1080571	Puesta Del Sol	HIDALGO	Yellow	X	B	Inside	594	Funded	Study	4/16/1984	ETJ	Frequent	1	432	175
M0310055	FM 802-511	CAMERON	Red	X	B	Inside	170	Funded	No Study	<null>	ETJ	Frequent	6	433	175
M1080417	Linda Vista Estates	HIDALGO	Unknown	X	B	Inside	689	Funded	Study	3/23/1982	ETJ	Frequent	1	434	175
M1080631	Rosedale Heights	HIDALGO	Red	500	B	Inside	135	Funded	Study	10/29/1947	ETJ	Frequent	1	435	175
M1080055	Ariel Hinojosa Subd.	HIDALGO	Green	X	B	Inside	122	Funded	Study	2/5/1979	ETJ	Frequent	2	436	175
M1080267	Ezequiel Acevedo Jr. Subd. #2	HIDALGO	Green	X	B	Inside	194	Funded	Study	2/16/1982	ETJ	Frequent	13	437	175
M0310007	Angel Haven	CAMERON	Green	X	B	Inside	196	No Project	No Study	6/3/1987	ETJ	Frequent	1	438	175
M1080080	Basham #15	HIDALGO	Red	X	B	Inside	140	Planned	Study	2/4/1986	ETJ	Frequent	0	439	175
M1080846	Tierra buena #2	HIDALGO	Green	500	B	Inside	193	Planned	Study	12/28/1982	ETJ	Frequent	0	440	175

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M1080745	Tony Subd.	HIDALGO	Green	X	B	Inside	117	Planned	Study	9/17/1991		Frequent	0	441	175
M1080001	107 West Subd.	HIDALGO	Red	X	B	Inside	144	Planned	Study	5/1/1981	ETJ	Frequent	0	442	175
M1080242	El Flaco Chiquito Subd.	HIDALGO	Yellow	X	B	Inside	549	Funded	Study	2/3/1988	ETJ	Frequent	0	443	175
M1080284	George Lookingbill #2	HIDALGO	Yellow	X	B	Inside	63	Planned	Study	5/18/1989		Frequent	0	444	170
M1080356	Kenyon Subd. #2	HIDALGO	Yellow	500	B	Inside	36	Planned	Study	7/9/1990	ETJ	Frequent	0	445	170
M1080012	Acacia	HIDALGO	Unknown	500	B	Inside	23	Planned	Study	1/13/1976	ETJ	Frequent	0	446	170
M0310145	Sierra Alto Mobile Home	CAMERON	Yellow	X	B	Outside	36	Planned	No Study	6/26/1981	ETJ	Frequent	0	447	170
M1080164	Cole Subd.	HIDALGO	Yellow	500	B	Inside	27	Planned	Study	9/19/1972	ETJ	Frequent	0	448	170
M1080452	Matt Subd.	HIDALGO	Yellow	X	B	Inside	99	Planned	Study	5/26/1981		Frequent	0	449	170
M1080783	Victoria Belen	HIDALGO	Yellow	500	B	Inside	21	Planned	Study	10/28/1986	ETJ	Frequent	0	450	170
M1080681	Sotira Estates	HIDALGO	Green	X	B	Inside	423	Planned	Study	2/1/1983	ETJ	Frequent	0	451	170
M0310134	Santa Elena	CAMERON	Red	X	B	Inside	303	Planned	No Study	<null>	ETJ	Frequent	0	452	170
M1080213	D. T. Villareal	HIDALGO	Unknown	500	B	Inside	77	Planned	Study	2/4/1986	ETJ	Frequent	0	453	170
M1080637	Ruthven Subd. #2	HIDALGO	Yellow	500	B	Inside	90	Planned	Study	10/4/1944	ETJ	Frequent	0	454	170
M1080345	Jackson's New World Subd.	HIDALGO	Yellow	500	B	Inside	27	Planned	Study	1/15/1973	ETJ	Frequent	0	455	170
M1080526	Oriente	HIDALGO	Unknown	X	D	Inside	31	Planned	Study	<null>	ETJ	Rare	1	456	170
M1080105	Bernal Subd.	HIDALGO	Yellow	500	B	Inside	81	Funded	Study	12/3/1985		Frequent	0	457	170
M1080143	Catherine Subd.	HIDALGO	Unknown	X	B	Inside	68	Planned	Study	4/28/1981		Rare	0	458	170
M1080750	Trenton Acres Subd.	HIDALGO	Yellow	500	B	Inside	36	Planned	Study	5/27/1989	ETJ	Frequent	0	459	170
M1080003	13 1/2 North/FM 493	HIDALGO	Unknown	X	C	Inside	23	Planned	Study	<null>	ETJ	Frequent	0	460	170
M1080729	Tierra Bonita #1	HIDALGO	Green	500	B	Inside	405	Funded	Study	5/5/1987	ETJ	Frequent	0	461	170
M1080730	Tierra Bonita #2	HIDALGO	Green	500	B	Inside	308	Funded	Study	5/5/1987	ETJ	Frequent	0	462	170
M0310067	Houston Road East	CAMERON	Red	X	B	Inside	273	Planned	No Study	<null>	ETJ	Frequent	0	463	170
M1080518	Olivarez #7	HIDALGO	Yellow	X	B	Inside	14	Funded	Study	<null>		Frequent	3	464	170
M1080847	Tower Road Estates	HIDALGO	Yellow	500	B	Inside	50	Planned	Study	7/31/1978	ETJ	Frequent	0	465	170
M1080232	Donna R.O.W. for Colonia Boyce	HIDALGO	Yellow	X	C	Inside	90	Funded	Study	11/10/1997	ETJ	Frequent	0	466	170
M1080059	Austin Gardens	HIDALGO	Unknown	500	B	Inside	59	Planned	Study	11/17/1981	ETJ	Frequent	0	467	170
M1080462	Midway Village Subd.	HIDALGO	Yellow	500	B	Inside	96	Planned	Study	2/5/1973	ETJ	Frequent	0	468	170
M1080619	Riverside Estates	HIDALGO	Green	X	B	Inside	410	Planned	Study	8/9/1988	ETJ	Frequent	1	469	170
M1080604	Rebecca Subd.	HIDALGO	Yellow	500	B	Inside	23	Planned	Study	9/16/1980	ETJ	Frequent	0	470	170
M1080346	Jackson's New World Subd. #2	HIDALGO	Yellow	500	B	Inside	59	Planned	Study	11/16/1993	ETJ	Frequent	0	471	170
M0310033	Cisneros Estates	CAMERON	Yellow	X	A	Inside	72	Planned	No Study	<null>	ETJ	Frequent	1	472	170
M1080274	Foster Subd.	HIDALGO	Unknown	500	B	Inside	63	Funded	Study	<null>	ETJ	Frequent	1	473	170
M1080474	Monte Cristo Hills Subd.	HIDALGO	Yellow	500	B	Inside	45	Planned	Study	5/12/1990	ETJ	Frequent	0	474	170

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M1080048	Anaqua Addition	HIDALGO	Yellow	500	B	Inside	36	Planned	Study	7/23/1963	ETJ	Frequent	0	475	170
M1080096	Bellaire	HIDALGO	Unknown	500	B	Inside	96	Planned	Study	6/18/1979	ETJ	Occassional	0	476	170
M1080503	Northside Village Subd. #2	HIDALGO	Yellow	500	B	Inside	158	Funded	Study	2/9/1981	ETJ	Frequent	0	477	165
M1080198	Country Grove Estates	HIDALGO	Unknown	X	B	Inside	144	Planned	Study	3/3/1984	ETJ	Occassional	0	478	165
M1080770	Val Verde North Subd.	HIDALGO	Yellow	X	B	Inside	108	Planned	Study	6/12/1978	ETJ	Frequent	1	479	165
M1080287	Glasscock North Subd.	HIDALGO	Yellow	X	B	Inside	113	Planned	Study	3/15/1982	ETJ	Frequent	0	480	165
M1080423	Los Castillos Estates	HIDALGO	Yellow	500	B	Inside	133	Funded	Study	12/10/1973	ETJ	Frequent	0	481	165
M1080710	Sun Grove Park	HIDALGO	Yellow	500	B	Inside	167	Funded	Study	1/14/1980	ETJ	Frequent	0	482	165
M1080758	Tropical Farms Subd.	HIDALGO	Yellow	X	B	Inside	185	Planned	Study	10/9/1973	ETJ	Frequent	0	483	165
M1080312	Havana Subd.	HIDALGO	Yellow	X	B	Outside	126	Funded	Study	8/2/1976	ETJ	Frequent	0	484	165
M1080832	Northpoint Subdivision	HIDALGO	Yellow	X	B	Inside	216	Planned	Study	5/8/1989	ETJ	Occassional	1	485	165
M1080062	Balli #2	HIDALGO	Yellow	500	B	Inside	216	Funded	Study	4/23/1971	ETJ	Frequent	0	486	165
M1080767	Val Bar Estate	HIDALGO	Yellow	500	B	Inside	126	Funded	Study	8/18/1981	ETJ	Frequent	0	487	165
M1080472	Monte Cristo Acres Subd.	HIDALGO	Yellow	X	B	Inside	234	Planned	Study	10/1/1985	ETJ	Rare	0	488	165
M1080161	Clark Subd.	HIDALGO	Yellow	500	B	Inside	113	Funded	Study	3/26/1946	ETJ	Frequent	0	489	165
M1080482	Morningside Estates	HIDALGO	Yellow	500	B	Inside	234	Funded	Study	3/28/1983	ETJ	Frequent	0	490	165
M1080099	Benita Addition	HIDALGO	Yellow	500	B	Inside	108	Funded	Study	12/9/1968	ETJ	Frequent	0	491	165
M1080338	Inspiration Rd #1	HIDALGO	Unknown	X	B	Inside	149	Planned	Study	7/17/1959	ETJ	Frequent	0	492	165
M1080220	Delta West Subd.	HIDALGO	Yellow	500	B	Inside	234	Funded	Study	10/9/1978	ETJ	Frequent	0	493	165
M1080718	Sunrise Subd.	HIDALGO	Yellow	500	B	Inside	130	Funded	Study	1/21/1983	ETJ	Frequent	0	494	165
M1080192	Country Aire Estates #1	HIDALGO	Unknown	X	B	Inside	131	Planned	Study	12/12/1977	ETJ	Frequent	0	495	165
M1080541	Palma Subd.	HIDALGO	Yellow	500	B	Inside	207	Funded	Study	3/3/1980	ETJ	Frequent	0	496	165
M1080270	Flora Subd.	HIDALGO	Yellow	X	B	Inside	228	Planned	Study	10/29/1974	ETJ	Frequent	0	497	165
M1080757	Triple C Subd.	HIDALGO	Yellow	X	B	Inside	144	Planned	Study	10/13/1975	ETJ	Rare	0	498	165
M1080458	Meadow Lands	HIDALGO	Yellow	X	B	Inside	160	Planned	Study	1/12/1981	ETJ	Rare	0	499	165
M1080150	Chapa Subd. #3	HIDALGO	Yellow	X	B	Inside	230	Funded	Study	6/17/1980		Frequent	1	500	165
M1080071	Barbosa-Lopez Subd. #1	HIDALGO	Yellow	X	B	Inside	426	Funded	Study	11/25/1980	ETJ	Frequent	1	501	160
M1080594	Ranchette Estates	HIDALGO	Green	500	B	Inside	22	Planned	Study	10/3/1972	ETJ	Frequent	0	502	160
M1080530	Owassa/I Rd	HIDALGO	Red	500	B	Inside	76	Planned	Study	<null>	ETJ	Frequent	0	503	160
M1080167	Colonia Big 5	HIDALGO	Red	X	B	Inside	90	Funded	Study	<null>	ETJ	Rare	3	504	160
M1080842	Country Aire Estates #2	HIDALGO	Red	X	B	Inside	83	Planned	Study	7/9/1979	ETJ	Frequent	0	505	160
M1080292	Goodwin Heights #1	HIDALGO	Yellow	X	B	Inside	347	Funded	Study	12/10/1984	ETJ	Rare	0	506	160
M1080321	Highway Frontage Subd.	HIDALGO	Green	X	B	Outside	75	No Project	Study	<null>	ETJ	Frequent	0	507	160
M1080041	Alysonders Estates	HIDALGO	Red	X	B	Inside	99	Planned	Study	7/22/1986	ETJ	Frequent	0	508	160

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M1080519	Olivarez #8	HIDALGO	Red	X	B	Inside	45	Planned	Study	<null>		Frequent	1	509	160
M1080122	Brown Acres	HIDALGO	Red	X	B	Inside	95	Planned	Study	1/9/1961	ETJ	Frequent	0	510	160
M1080653	Schuerbach Acres	HIDALGO	Red	X	B	Inside	99	Planned	Study	3/21/1989	ETJ	Frequent	0	511	160
M1080331	I.B. Avila	HIDALGO	Red	500	B	Inside	63	Funded	Study	9/28/1961	ETJ	Frequent	0	512	160
M1080146	Chacon Estates #1	HIDALGO	Green	X	B	Inside	50	Funded	Study	5/25/1982	ETJ	Frequent	4	513	160
M1080490	Nelle Estates	HIDALGO	Green	500	B	Inside	14	Planned	Study	1/25/1988	ETJ	Frequent	0	514	160
M1080337	Inspiration Point Subd.	HIDALGO	Red	X	B	Inside	23	Planned	Study	11/2/1989	ETJ	Frequent	1	515	160
M1080815	Yokum-Hall Subd.	HIDALGO	Red	500	B	Inside	86	Planned	Study	<null>	ETJ	Frequent	0	516	160
M0310149	South Point	CAMERON	Green	X	D	Inside	50	Funded	No Study	8/11/1920	ETJ	Frequent	1	517	160
M0310169	West Addition	CAMERON	Green	X	B	Inside	83	No Project	No Study	1/13/1954	ETJ	Frequent	1	518	160
M1080288	Glenshire Estates	HIDALGO	Red	X	B	Inside	54	Planned	Study	6/25/1985	ETJ	Frequent	0	519	160
M1080611	Remuda RV Park	HIDALGO	Red	500	B	Inside	90	Planned	Study	<null>	ETJ	Frequent	0	520	160
M1080307	Havana Lomas #1	HIDALGO	Green	X	B	Outside	13	No Project	Study	<null>	ETJ	Frequent	0	521	160
M0310164	Vicente Sandoval	CAMERON	Red	X	B	Inside	2	No Project	No Study	<null>	ETJ	Frequent	0	522	160
M1080582	Rabbit Patch Subd. #1	HIDALGO	Green	X	B	Inside	54	Funded	Study	6/4/1979	ETJ	Frequent	1	523	160
M1080805	West Haven Subd.	HIDALGO	Green	500	B	Inside	36	Planned	Study	9/25/1978	ETJ	Frequent	0	524	160
M1080056	Ariel Hinojosa Subd. #3	HIDALGO	Green	X	B	Inside	81	Funded	Study	4/28/1980	ETJ	Frequent	5	525	160
M0310068	Illinois Heights	CAMERON	Green	X	C	Inside	98	Funded	No Study	6/20/1974	ETJ	Frequent	0	526	160
M1080563	Plumosa Village	HIDALGO	Green	500	B	Inside	2	Planned	Study	10/19/1977	ETJ	Frequent	0	527	160
M1080257	Enchanted Valley Ranch	HIDALGO	Unknown	X	B	Inside	339	Funded	Study	6/22/1982	ETJ	Occassional	0	528	160
M1080438	Louis & JJ Hoyt Sub.	HIDALGO	Red	X	B	Inside	23	Planned	Study	1/7/1947	ETJ	Frequent	0	529	160
M1080463	Milagro Estates	HIDALGO	Green	500	B	Inside	32	Planned	Study	6/18/1996	ETJ	Frequent	0	530	160
M0310101	Los Nogales Estates	CAMERON	Green	X	B	Outside	15	Planned	No Study	1/14/1986	ETJ	Frequent	1	531	160
M1080777	Valley Rancheros Subd.	HIDALGO	Green	X	B	Inside	162	Planned	Study	2/7/1983	ETJ	Frequent	0	532	155
M1080087	Basham #5	HIDALGO	Green	X	B	Inside	103	Planned	Study	9/2/1980	ETJ	Frequent	0	533	155
M1080455	McDaniel Addition	HIDALGO	Green	X	B	Inside	211	Planned	Study	12/8/1947	ETJ	Frequent	0	534	155
M1080230	Dimas #3	HIDALGO	Red	X	B	Inside	131	Funded	Study	12/5/1980	ETJ	Frequent	0	535	155
M1080725	Thompson Subd.	HIDALGO	Green	X	B	Inside	113	Planned	Study	8/1/1983	ETJ	Frequent	0	536	155
M0310158	Travis & Vermillion	CAMERON	Red	X	B	Inside	109	Planned	No Study	<null>	ETJ	Frequent	0	537	155
M1080589	Ramirez Subd. #3	HIDALGO	Green	X	B	Inside	108	Planned	Study	5/9/1983	ETJ	Frequent	0	538	155
M1080667	Shary Groves Estates #2	HIDALGO	Red	X	B	Inside	112	Planned	Study	<null>	ETJ	Frequent	0	539	155
M1080828	La Homa Terrace Phase I	HIDALGO	Green	X	B	Inside	108	Planned	Study	10/19/1990	ETJ	Frequent	0	540	155
M1080827	Eastview	HIDALGO	Green	X	B	Inside	135	Planned	Study	3/8/1990	ETJ	Frequent	1	541	155
M1080674	Silverado Subd.	HIDALGO	Green	X	B	Inside	130	Planned	Study	3/9/1987	ETJ	Frequent	0	542	155

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M1080341	Isaac's Subd.	HIDALGO	Green	X	B	Inside	189	Planned	Study	2/1/1983	ETJ	Frequent	0	543	155
M1080586	Ramirez Estates	HIDALGO	Green	X	B	Inside	149	Planned	Study	5/23/1983	ETJ	Frequent	0	544	155
M1080755	Tri-City Subd. #1	HIDALGO	Green	X	B	Inside	239	Planned	Study	1/18/1977	ETJ	Frequent	0	545	155
M1080844	Colonia Esperanza #1	HIDALGO	Green	500	B	Inside	185	Funded	Study	10/20/1970	ETJ	Frequent	0	546	155
M1080222	Devan Estates	HIDALGO	Green	X	B	Inside	153	Planned	Study	10/3/1989	ETJ	Frequent	0	547	155
M1080077	Basham #12	HIDALGO	Red	X	B	Inside	144	Funded	Study	4/2/1984	ETJ	Frequent	0	548	155
M1080138	Carlos Acres	HIDALGO	Red	X	B	Inside	216	Funded	Study	3/19/1981	ETJ	Frequent	0	549	155
M1080340	Inspiration Rd #3	HIDALGO	Unknown	X	B	Inside	9	Planned	Study	12/3/1962	ETJ	Frequent	0	550	150
M1080623	Rodgers Rd Subd.	HIDALGO	Unknown	500	B	Inside	36	Planned	Study	<null>	ETJ	Occassional	0	551	150
M1080351	Jessup's Subd.	HIDALGO	Unknown	X	B	Inside	4	Planned	Study	<null>		Rare	0	552	150
M1080283	George Lookingbill #1	HIDALGO	Yellow	X	B	Inside	95	Planned	Study	2/9/1981	ETJ	Frequent	1	553	150
M1080106	Bertha Acres	HIDALGO	Yellow	X	B	Inside	9	Planned	Study	11/12/1979	ETJ	Frequent	0	554	150
M1080615	Ricky Subd.	HIDALGO	Unknown	X	B	Inside	47	Planned	Study	5/1/1992	ETJ	Rare	0	555	150
M1080578	R.C.W. Subd.	HIDALGO	Yellow	X	B	Inside	77	Planned	Study	4/23/1979	ETJ	Frequent	0	556	150
M1080657	Seminary Village Subd.	HIDALGO	Yellow	500	B	Inside	81	Funded	Study	8/20/1985	ETJ	Frequent	0	557	150
M1080300	Hacienda De Los Vegas	HIDALGO	Unknown	500	B	Inside	23	Funded	Study	12/29/1981	ETJ	Frequent	0	558	150
M1080687	South Palm Gardens Estates #1	HIDALGO	Yellow	500	B	Inside	81	Funded	Study	5/1/1978	ETJ	Frequent	0	559	150
M1080723	The Highlands	HIDALGO	Yellow	X	B	Inside	64	Planned	Study	2/16/1989	ETJ	Frequent	0	560	150
M1080543	Palmas Subd. #2	HIDALGO	Yellow	500	B	Inside	97	Funded	Study	4/15/1980	ETJ	Frequent	1	561	150
M1080031	Alberta Acres	HIDALGO	Yellow	500	B	Inside	59	Funded	Study	3/17/1980	ETJ	Frequent	0	562	150
M1080607	Regency Acres #2	HIDALGO	Yellow	X	B	Inside	90	Planned	Study	12/10/1979	ETJ	Rare	0	563	150
M1080502	Northern Acres Subd.	HIDALGO	Yellow	X	B	Inside	65	Planned	Study	8/22/1989	ETJ	Frequent	0	564	150
M1080336	Inspiration Heights	HIDALGO	Unknown	X	B	Inside	27	Planned	Study	11/21/1983	ETJ	Frequent	1	565	150
M1080262	Esperanza Estates	HIDALGO	Yellow	500	B	Inside	59	Funded	Study	12/16/1975	ETJ	Frequent	0	566	150
M1080596	Rancho Escondido	HIDALGO	Yellow	500	B	Inside	31	Funded	Study	8/31/1982	ETJ	Frequent	1	567	150
M1080798	Ware Oaks	HIDALGO	Yellow	X	B	Inside	5	Planned	Study	1/18/1993	ETJ	Frequent	0	568	150
M1080683	South Fork Subd.	HIDALGO	Green	X	B	Inside	324	Funded	Study	2/1/1983	ETJ	Frequent	0	569	150
M1080039	Alturas de Azahares	HIDALGO	Unknown	X	B	Inside	45	Planned	Study	<null>		Frequent	0	570	150
M1080255	Elida Subd.	HIDALGO	Unknown	X	B	Inside	23	Planned	Study	3/19/1991	ETJ	Frequent	0	571	150
M1080195	Country Corner Estates	HIDALGO	Unknown	X	B	Inside	81	Planned	Study	12/18/1978	ETJ	Occassional	0	572	150
M1080157	Citrus Lake Estates	HIDALGO	Green	X	B	Inside	297	Funded	Study	10/14/1983	ETJ	Frequent	0	573	150
M1080654	Schunior's Subd.	HIDALGO	Unknown	500	B	Inside	2	Planned	Study	<null>	ETJ	Frequent	0	574	150
M1080322	Hilda Subd.	HIDALGO	Green	X	B	Inside	378	Funded	Study	1/3/1977	ETJ	Frequent	0	575	150
M0310104	Lozano	CAMERON	Green	X	B	Inside	342	Funded	No Study	12/6/1927	ETJ	Frequent	0	576	150

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M1080752	Trenton Terrace	HIDALGO	Yellow	500	B	Inside	68	Funded	Study	9/5/1989	ETJ	Frequent	0	577	150
M1080141	Casa De Los Vecinos	HIDALGO	Green	X	B	Inside	293	Funded	Study	5/11/1981	ETJ	Frequent	0	578	150
M1080327	Hill-Top Subd.	HIDALGO	Unknown	X	B	Inside	40	Planned	Study	9/17/1987	ETJ	Frequent	0	579	150
M1080700	Stewart Palms Subd.	HIDALGO	Yellow	X	B	Inside	54	Planned	Study	11/20/1978	ETJ	Frequent	0	580	150
M1080465	Miller Resub Lot A	HIDALGO	Yellow	X	B	Inside	63	Funded	Study	2/17/1971		Frequent	0	581	150
M1080118	Boyd Subd. #1	HIDALGO	Yellow	500	B	Inside	14	Funded	Study	7/19/1983	ETJ	Frequent	1	582	150
M1080147	Chapa #1	HIDALGO	Yellow	X	B	Inside	36	Planned	Study	12/15/1977	ETJ	Frequent	0	583	150
M1080555	Pecan Estates #5	HIDALGO	Unknown	500	B	Inside	48	Planned	Study	<null>	ETJ	Frequent	0	584	150
M1080339	Inspiration Rd #2	HIDALGO	Unknown	X	B	Inside	10	Planned	Study	7/5/1961	ETJ	Frequent	0	585	150
M1080231	Dinas Subd.	HIDALGO	Unknown	X	B	Inside	16	Planned	Study	8/10/1987	ETJ	Occassional	0	586	150
M1080233	Doolittle Acres	HIDALGO	Unknown	X	A	Inside	40	Planned	Study	4/21/1981	ETJ	Rare	0	587	150
M1080688	South Palm Gardens Estates #2	HIDALGO	Yellow	500	B	Inside	81	Funded	Study	11/25/1980	ETJ	Frequent	0	588	150
M1080479	Moorefield Acres	HIDALGO	Unknown	X	B	Inside	10	Planned	Study	2/13/1989	ETJ	Occassional	0	589	150
M1080735	Tierra Linda	HIDALGO	Green	X	B	Inside	329	Funded	Study	4/30/1984	ETJ	Frequent	0	590	150
M1080342	J & O Subd.	HIDALGO	Unknown	X	B	Inside	152	Funded	Study	12/20/1982	ETJ	Frequent	0	591	145
M1080229	Dimas #2	HIDALGO	Unknown	X	B	Inside	131	Funded	Study	10/29/1979	ETJ	Frequent	0	592	145
M1080461	Mid-Valley Estates	HIDALGO	Yellow	X	B	Inside	246	Funded	Study	5/7/1976	ETJ	Frequent	0	593	145
M1080013	Acevedo #3	HIDALGO	Unknown	X	B	Inside	221	Funded	Study	7/11/1983	ETJ	Occassional	0	594	145
M1080244	El Mesquite Subd.	HIDALGO	Yellow	X	B	Inside	169	Funded	Study	3/2/1983	ETJ	Frequent	0	595	145
M1080319	High Point Subd.	HIDALGO	Yellow	X	B	Inside	162	Funded	Study	1/21/1986	ETJ	Frequent	0	596	145
M1080427	Los Ebanos Subd.	HIDALGO	Yellow	X	B	Inside	126	Funded	Study	1/8/1963	ETJ	Frequent	0	597	145
M1080155	Citrus City Lake #1	HIDALGO	Unknown	X	B	Inside	113	Funded	Study	7/13/1973	ETJ	Frequent	0	598	145
M1080820	Carlos G. Leal, Jr. Subd. #2	HIDALGO	Yellow	X	B	Inside	212	Funded	Study	1/28/1982	ETJ	Frequent	0	599	145
M1080044	Americana Grove #2	HIDALGO	Unknown	X	B	Inside	162	Funded	Study	4/7/1980	ETJ	Frequent	1	600	145
M1080839	Barbosa-Lopez #2	HIDALGO	Yellow	X	B	Inside	199	Funded	Study	3/9/1981	ETJ	Frequent	0	601	145
M1080612	Renarae Subd. #1	HIDALGO	Green	500	B	Inside	67	Funded	Study	3/8/1977	ETJ	Frequent	0	602	140
M1080082	Basham #18	HIDALGO	Red	X	B	Inside	77	Funded	Study	4/7/1987	ETJ	Frequent	0	603	140
M1080797	Ware Estates	HIDALGO	Green	X	B	Inside	43	Planned	Study	5/8/1974	ETJ	Frequent	0	604	140
M1080520	Olivarez #9	HIDALGO	Red	X	B	Inside	40	Funded	Study	<null>		Rare	0	605	140
M1080753	Tres Amigos Subd.	HIDALGO	Red	X	B	Inside	23	Planned	Study	<null>	ETJ	Frequent	0	606	140
M1080545	Palmhurst Estates	HIDALGO	Green	X	B	Inside	63	Planned	Study	11/8/1988	ETJ	Frequent	0	607	140
M1080330	Hoehn Estates	HIDALGO	Green	X	B	Inside	63	Planned	Study	6/29/1988	ETJ	Frequent	0	608	140
M1080544	Palmeras Subd.	HIDALGO	Green	X	B	Inside	72	Planned	Study	12/7/1982	ETJ	Frequent	0	609	140
M1080825	Bogert Subdivision	HIDALGO	Green	X	B	Inside	36	Planned	Study	8/10/1981	ETJ	Frequent	0	610	140

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M1080590	Ramirez Subd. #4	HIDALGO	Green	X	B	Inside	90	Planned	Study	5/10/1983	ETJ	Frequent	0	611	140
M1080587	Ramirez Subd.	HIDALGO	Green	X	B	Inside	90	Planned	Study	10/21/1980	ETJ	Frequent	0	612	140
M1080554	Paseo de Palmas Subd.	HIDALGO	Green	X	B	Inside	81	Planned	Study	7/15/1977	ETJ	Frequent	0	613	140
M1080120	Brenda Gay	HIDALGO	Red	X	B	Inside	45	Funded	Study	12/23/1977	ETJ	Frequent	0	614	140
M1080130	Calma Estates Subd. #3	HIDALGO	Red	X	B	Inside	18	Funded	Study	9/26/1983	ETJ	Frequent	0	615	140
M1080663	SH 88/15 North/4 West	HIDALGO	Red	X	B	Inside	36	Planned	Study	<null>	ETJ	Frequent	0	616	140
M1080665	Shary Country Acres	HIDALGO	Green	X	B	Inside	27	Planned	Study	7/10/1989	ETJ	Frequent	0	617	140
M1080595	Rancho Chaparral	HIDALGO	Green	X	B	Inside	99	Planned	Study	3/19/1976	ETJ	Frequent	0	618	140
M1080796	Ware del Norte Subd.	HIDALGO	Green	X	B	Inside	41	Planned	Study	3/8/1977	ETJ	Frequent	0	619	140
M0310017	Barrios	CAMERON	Green	500	B	Inside	30	Funded	No Study	10/4/1950	ETJ	Frequent	0	620	140
M0310006	Alto Real	CAMERON	Green	X	B	Outside	59	Funded	No Study	7/14/1976	ETJ	Frequent	0	621	140
M1080447	Maier Subd.	HIDALGO	Green	X	B	Inside	54	Planned	Study	8/7/1978	ETJ	Frequent	0	622	140
M1080829	La Homa Terrace II	HIDALGO	Green	X	B	Inside	95	Planned	Study	10/3/1967	ETJ	Frequent	0	623	140
M1080475	Monte Cristo Subd.	HIDALGO	Green	X	B	Inside	72	Planned	Study	3/12/1984	ETJ	Frequent	0	624	140
M1080588	Ramirez Subd. #2	HIDALGO	Green	X	B	Inside	90	Planned	Study	5/21/1981	ETJ	Frequent	0	625	140
M1080795	Ware Country Subd. #2	HIDALGO	Green	X	B	Inside	32	Planned	Study	9/26/1983	ETJ	Frequent	0	626	140
M1080845	Santa Cruz Ranchette	HIDALGO	Green	X	B	Inside	98	Planned	Study	5/3/1989	ETJ	Frequent	0	627	140
M1080561	Plantation Oaks North Subd.	HIDALGO	Green	X	B	Inside	41	Planned	Study	8/6/1979	ETJ	Frequent	0	628	140
M1080794	Ware Country Subd.	HIDALGO	Green	X	B	Inside	32	Planned	Study	10/11/1982	ETJ	Frequent	0	629	140
M1080800	Ware West Subd.	HIDALGO	Green	X	B	Inside	27	Planned	Study	10/21/1982	ETJ	Frequent	0	630	140
M1080514	Olivarez #3	HIDALGO	Red	X	B	Inside	89	Planned	Study	<null>	ETJ	Frequent	0	631	140
M1080006	17 1/2 North/6 West	HIDALGO	Red	X	B	Inside	63	Planned	Study	<null>	ETJ	Occassional	0	632	140
M1080573	Quiet Village #2	HIDALGO	Green	500	B	Inside	63	Planned	Study	<null>	ETJ	Frequent	0	633	140
M1080072	Barney Groves Subd.	HIDALGO	Red	X	B	Inside	32	Funded	Study	3/5/1979	ETJ	Frequent	0	634	140
M1080439	Loya Subd.	HIDALGO	Green	X	B	Inside	45	Planned	Study	11/16/1982	ETJ	Frequent	0	635	140
M1080121	Breyfogle Park Subd. #1	HIDALGO	Green	X	B	Inside	41	Planned	Study	3/1/1978	ETJ	Frequent	0	636	140
M1080721	Tangerine Estates	HIDALGO	Green	X	B	Inside	86	Planned	Study	8/22/1977	ETJ	Frequent	0	637	140
M0310060	Gotwin Rd	CAMERON	Green	X	B	Inside	16	No Project	No Study	<null>	ETJ	Frequent	0	638	140
M1080420	Loma Chica Subd.	HIDALGO	Green	X	B	Inside	45	Planned	Study	8/14/1990	ETJ	Frequent	0	639	140
M1080579	R.L.D.S. Subd.	HIDALGO	Green	X	B	Inside	85	Planned	Study	10/4/1976	ETJ	Frequent	0	640	140
M1080831	Los Ninos	HIDALGO	Green	X	B	Inside	59	Planned	Study	1/2/1978	ETJ	Frequent	1	641	140
M1080557	Pentacostal Colonia	HIDALGO	Red	500	B	Inside	54	Funded	Study	<null>	ETJ	Frequent	0	642	140
M1080471	Monte Alban Subd.	HIDALGO	Green	X	B	Inside	65	Planned	Study	2/6/1973	ETJ	Frequent	0	643	140
M1080744	Tommy Knocker	HIDALGO	Green	X	B	Inside	7	Planned	Study	4/19/1990	ETJ	Frequent	0	644	140

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M1080075	Basham #10	HIDALGO	Green	X	B	Inside	176	Funded	Study	6/1/1982	ETJ	Frequent	0	645	135
M1080488	Munoz Estates	HIDALGO	Green	X	B	Inside	167	Funded	Study	8/1/1983	ETJ	Frequent	0	646	135
M1080572	Que Pasa Acres Subd.	HIDALGO	Green	X	B	Inside	185	Funded	Study	5/30/1989	ETJ	Frequent	0	647	135
M1080714	Sunny Haven Estates	HIDALGO	Green	X	B	Inside	239	Funded	Study	3/30/1983	ETJ	Frequent	0	648	135
M1080606	Regal Estates	HIDALGO	Green	X	B	Inside	189	Funded	Study	4/23/1984	ETJ	Frequent	0	649	135
M1080275	Four Sure All Right	HIDALGO	Green	X	B	Inside	104	Funded	Study	4/23/1963	ETJ	Frequent	0	650	135
M1080079	Basham #14	HIDALGO	Green	X	B	Inside	113	Funded	Study	12/28/1984	ETJ	Frequent	0	651	135
M1080498	North Cross Estates	HIDALGO	Green	X	B	Inside	144	Funded	Study	7/6/1982	ETJ	Frequent	0	652	135
M0310131	Saldivar	CAMERON	Green	X	B	Inside	207	Funded	No Study	7/1/1985	ETJ	Frequent	0	653	135
M1080092	Basham Subd. (M & B)	HIDALGO	Green	X	B	Inside	153	Funded	Study	8/7/1978	ETJ	Frequent	0	654	135
M1080081	Basham #16	HIDALGO	Green	X	B	Inside	113	Funded	Study	2/4/1986	ETJ	Frequent	0	655	135
M1080360	Kountry Hill Estates	HIDALGO	Green	X	B	Inside	212	Funded	Study	12/7/1982	ETJ	Frequent	0	656	135
M1080451	Mata Subd. #2	HIDALGO	Green	X	B	Inside	225	Funded	Study	5/5/1987	ETJ	Frequent	1	657	135
M1080144	Celso Subd.	HIDALGO	Green	X	B	Inside	104	Funded	Study	6/13/1983	ETJ	Frequent	0	658	135
M1080224	Diamond L Subd. #2	HIDALGO	Green	X	B	Inside	189	Funded	Study	11/26/1985	ETJ	Frequent	0	659	135
M1080052	Arco Iris Subd.	HIDALGO	Green	X	B	Inside	171	Funded	Study	10/20/1981	ETJ	Frequent	0	660	135
M1080045	Americana Grove Subd.	HIDALGO	Green	X	B	Inside	117	Funded	Study	5/8/1978	ETJ	Frequent	1	661	135
M1080247	El Paraiso Subd.	HIDALGO	Green	X	B	Inside	216	Funded	Study	9/7/1982	ETJ	Frequent	0	662	135
M1080444	M/S Subd.	HIDALGO	Green	X	B	Inside	113	Funded	Study	5/19/1981	ETJ	Frequent	0	663	135
M1080941	Garzas de Capisallo	HIDALGO	Unknown	500	B	Inside	24	Planned	Study	<null>	ETJ	Rare	0	664	135
M1080291	Good Valley Ranch Subd. #1	HIDALGO	Green	X	B	Inside	221	Funded	Study	3/4/1985	ETJ	Frequent	0	665	135
M1080128	Calma Estates	HIDALGO	Unknown	X	B	Inside	27	Funded	Study	10/15/1979	ETJ	Frequent	0	666	130
M1080129	Calma Estates Subd. #2	HIDALGO	Unknown	X	B	Inside	41	Funded	Study	9/26/1983	ETJ	Frequent	0	667	130
M1080101	Bentsen Palm RV Park #2	HIDALGO	Unknown	X	B	Inside	87	Funded	Study	2/16/1993	ETJ	Frequent	0	668	130
M1080139	Carol Subd.	HIDALGO	Unknown	X	B	Inside	24	Funded	Study	11/1/1992	ETJ	Occassional	0	669	130
M2450005	Hugh Terry Subd.	WILLACY	Unknown	X	B	Inside	50	Funded	No Study	<null>		Rare	0	670	130
M1080359	Koenig Winter Resort	HIDALGO	Unknown	500	B	Inside	28	Funded	Study	<null>	ETJ	Frequent	0	671	130
M1080487	Muniz Subd.	HIDALGO	Yellow	X	B	Inside	54	Funded	Study	5/14/1984	ETJ	Frequent	1	672	130
M1080833	Palm Drive North #2	HIDALGO	Unknown	X	B	Inside	81	Funded	Study	8/18/1982	ETJ	Frequent	0	673	130
M1080349	Jenna Estates	HIDALGO	Unknown	X	B	Inside	50	Funded	Study	5/8/1990	ETJ	Frequent	0	674	130
M1080511	Olivarez #1	HIDALGO	Yellow	X	B	Inside	1	Planned	Study	<null>	ETJ	Frequent	0	675	130
M1080279	Garza Estates	HIDALGO	Unknown	X	B	Inside	90	Funded	Study	11/21/1975	ETJ	Frequent	0	676	130
M1080497	North Country Estates #2	HIDALGO	Yellow	X	B	Inside	81	Funded	Study	10/14/1976	ETJ	Frequent	0	677	130
M1080166	Colonia Allende	HIDALGO	Unknown	X	B	Inside	15	Funded	Study	1/13/1992	ETJ	Frequent	0	678	130

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M1080591	Ramon Leal Subd.	HIDALGO	Yellow	X	B	Inside	90	Funded	Study	10/21/1982	ETJ	Frequent	0	679	130
M1080191	Country Acres #1	HIDALGO	Unknown	X	B	Inside	17	Funded	Study	10/12/1987	ETJ	Rare	0	680	130
M1080534	Palm Drive North Subd.	HIDALGO	Unknown	X	B	Inside	36	Funded	Study	6/1/1982	ETJ	Frequent	0	681	130
M1080664	Shary	HIDALGO	Unknown	X	B	Inside	23	Planned	Study	<null>	ETJ	Frequent	0	682	130
M1080175	Colonia Guadalupe #2	HIDALGO	Unknown	X	B	Inside	29	Funded	Study	9/9/1991	ETJ	Frequent	1	683	130
M1080196	Country Estates West	HIDALGO	Unknown	X	B	Inside	45	Funded	Study	2/4/1980	ETJ	Frequent	0	684	130
M1080174	Colonia Guadalupe	HIDALGO	Yellow	X	B	Inside	61	Funded	Study	3/29/1944	ETJ	Frequent	0	685	130
M1080176	Colonia Guadalupe #3	HIDALGO	Unknown	X	B	Inside	14	Funded	Study	8/9/1995	ETJ	Frequent	0	686	130
M1080426	Los Ebanos Estates	HIDALGO	Unknown	X	B	Inside	8	Funded	Study	2/27/1991	ETJ	Frequent	0	687	130
M1080223	Diamond L Subd.	HIDALGO	Unknown	X	B	Inside	86	Funded	Study	4/6/1982	ETJ	Frequent	0	688	130
M1080334	Ingle-Doolittle	HIDALGO	Unknown	X	B	Inside	36	Planned	Study	<null>	ETJ	Rare	0	689	130
M0310032	Cielito Lindo	CAMERON	Green	X	B	Inside	261	Funded	No Study	<null>	ETJ	Frequent	0	690	130
M1080449	Mary K Acres	HIDALGO	Yellow	X	B	Inside	41	Funded	Study	4/11/1988	ETJ	Rare	0	691	130
M1080320	Highland Memorial Park	HIDALGO	Unknown	X	B	Inside	3	Planned	Study	<null>	ETJ	Occassional	0	692	130
M1080194	Country Colony Subd.	HIDALGO	Unknown	X	B	Inside	36	Funded	Study	2/9/1981	ETJ	Frequent	0	693	130
M1080361	Kristi Estates #1	HIDALGO	Green	X	B	Inside	50	Funded	Study	7/30/1985	ETJ	Frequent	0	694	120
M1080325	Hilda Subd. #3	HIDALGO	Green	X	B	Inside	54	Funded	Study	12/16/1980	ETJ	Frequent	0	695	120
M1080837	Walton Subdivision	HIDALGO	Green	X	B	Inside	23	Funded	Study	10/6/1981	ETJ	Frequent	0	696	120
M1080324	Hilda Subd. #2	HIDALGO	Green	X	B	Inside	54	Funded	Study	7/8/1980	ETJ	Frequent	0	697	120
M1080433	Los Trevinos Subd.	HIDALGO	Green	X	B	Inside	45	Funded	Study	9/16/1980	ETJ	Frequent	0	698	120
M1080090	Basham #8	HIDALGO	Green	X	B	Inside	81	Funded	Study	3/30/1982	ETJ	Frequent	0	699	120
M1080562	Pleasant Valley Ranch	HIDALGO	Green	X	B	Inside	50	Funded	Study	3/22/1983	ETJ	Frequent	0	700	120
M1080076	Basham #11	HIDALGO	Green	X	B	Inside	77	Funded	Study	2/7/1983	ETJ	Frequent	0	701	120
M1080826	Catalina Estates	HIDALGO	Green	X	B	Inside	5	Funded	Study	5/23/1983	ETJ	Frequent	1	702	120
M0310051	Esparza Subd. #1	CAMERON	Red	X	B	Inside	74	Funded	No Study	<null>	ETJ	Frequent	0	703	120
M1080583	Rabbit Patch Subd. #2	HIDALGO	Green	X	B	Inside	90	Funded	Study	10/22/1979	ETJ	Frequent	0	704	120
M1080706	Storylane Subd.	HIDALGO	Green	X	B	Inside	68	Funded	Study	<null>		Frequent	0	705	120
M1080701	Stewart Place Community	HIDALGO	Red	X	B	Inside	32	Funded	Study	<null>	ETJ	Frequent	0	706	120
M1080601	Randolph Barnett #2	HIDALGO	Green	X	B	Inside	95	Funded	Study	7/26/1982	ETJ	Frequent	0	707	120
M1080434	Los Trevinos Subd. #2	HIDALGO	Green	X	B	Inside	45	Funded	Study	3/17/1981	ETJ	Frequent	0	708	120
M1080133	Canadiana Estates	HIDALGO	Green	X	B	Inside	59	Funded	Study	7/14/1980	ETJ	Frequent	0	709	120
M1080793	Ware Colony	HIDALGO	Green	X	B	Inside	27	Funded	Study	10/21/1982	ETJ	Frequent	0	710	120
M1080217	Del Norte Subd.	HIDALGO	Green	X	B	Inside	95	Funded	Study	3/7/1983	ETJ	Frequent	0	711	120
M1080078	Basham #13	HIDALGO	Green	X	B	Inside	77	Funded	Study	12/28/1984	ETJ	Frequent	0	712	120

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M1080185	Colonia Whalen Rd	HIDALGO	Red	X	B	Inside	93	Funded	Study	<null>	ETJ	Frequent	1	713	120
M1080784	Villa Capri	HIDALGO	Green	X	B	Inside	86	Funded	Study	6/12/1976	ETJ	Frequent	0	714	120
M1080350	Jessan Subd.	HIDALGO	Green	X	B	Inside	41	Funded	Study	2/4/1900	ETJ	Frequent	0	715	120
M1080074	Basham #1	HIDALGO	Green	X	B	Inside	63	Funded	Study	7/11/1977	ETJ	Frequent	1	716	120
M1080632	Royal Palms Estates	HIDALGO	Green	X	B	Inside	63	Funded	Study	6/14/1983	ETJ	Frequent	0	717	120
M1080600	Randolph Barnett #1	HIDALGO	Green	X	B	Inside	95	Funded	Study	12/9/1981	ETJ	Frequent	0	718	120
M0310071	Ismael Montalvo Subd. #2	CAMERON	Green	X	B	Inside	97	Funded	No Study	4/23/1973	ETJ	Frequent	0	719	120
M1080613	Restful Valley Ranch	HIDALGO	Green	X	B	Inside	120	Funded	Study	<null>	ETJ	Frequent	0	720	115
M1080117	Boyd Monger Subd.	HIDALGO	Unknown	X	B	Inside	32	Funded	Study	<null>	ETJ	Frequent	0	721	110
M1080151	Chihuahua	HIDALGO	Unknown	X	B	Inside	18	Funded	Study	<null>	ETJ	Frequent	0	722	110
M0310070	Ismael Montalvo Subd. #1	CAMERON	Green	X	B	Inside	18	Funded	No Study	<null>	ETJ	Frequent	1	723	100
M1080780	Vereda Tropical	HIDALGO	Green	X	B	Inside	98	Funded	Study	<null>	ETJ	Frequent	0	724	100
M0310043	East Fresnos	CAMERON	Yellow	100	D	Inside	59	No Project	No Study	4/22/1994	ETJ	Frequent	4	725	-2215
M2450009	Ranchette Estates	WILLACY	Unknown	X	C	Outside	120	No Project	No Study	9/18/1995		Rare	13	726	-2220
M0310053	Esquina	CAMERON	Yellow	100	D	Inside	228	No Project	No Study	7/22/1994	ETJ	Frequent	0	727	-2240
M1080610	Relampago	HIDALGO	Red	X	D	Inside	117	Planned	Study	4/8/2008		Frequent	6	728	-2250
M2450002	Benitez	WILLACY	Unknown	X	C	Outside	30	No Project	No Study	2/11/1991		Rare	0	729	-2275
M1080531	Owassa-Kennedy	HIDALGO	Red	500	C	Inside	107	Planned	Study	10/9/1999	ETJ	Frequent	0	730	-2290
M1080236	Eastland Park	HIDALGO	Yellow	500	B	Inside	262	Funded	Study	7/5/2021	ETJ	Frequent	13	731	-2305
M2450007	Lisa	WILLACY	Unknown	X	C	Inside	12	Funded	No Study	8/12/1996		Rare	0	732	-2335
M0310077	L&I	CAMERON	Green	X	B	Outside	4	No Project	No Study	5/1/1992	ETJ	Frequent	0	733	-2345
M0310048	El Nogal	CAMERON	Green	X	B	Outside	29	No Project	No Study	3/23/1995	ETJ	Frequent	1	734	-2345
M0310110	O'Canas Family	CAMERON	Green	X	B	Outside	170	Planned	No Study	5/15/1995	ETJ	Frequent	0	735	-2350
M1080467	Minnesota Rd/I Rd	HIDALGO	Yellow	500	B	Inside	20	Planned	Study	1/10/2000	ETJ	Frequent	0	736	-2355
M0310129	Robles Ranch	CAMERON	Green	X	B	Outside	13	Planned	No Study	10/10/1990	ETJ	Frequent	0	737	-2365
M1080304	Hamlet	HIDALGO	Unknown	100	D	Inside	23	Planned	Study	<null>	CL	Frequent	28	738	-4680
M1080097	Benavides Subd. #2	HIDALGO	Yellow	100	B	Outside	612	No Project	Study	3/12/1982	CL	Frequent	2	739	-4695
M1080317	Hidalgo Park Estates	HIDALGO	Unknown	100	D	Inside	4006	Funded	Study	4/11/1962	CL	Frequent	3	740	-4700
M1080051	Arco Iris #2	HIDALGO	Unknown	100	C	Inside	257	Planned	Study	9/26/1983	CL	Frequent	2	741	-4710
M0310170	Windsong Village	CAMERON	Green	100	C	Outside	164	Planned	Study	3/2/1981	CL	Frequent	2	742	-4715
M1080440	Lull	HIDALGO	Unknown	100	C	Inside	1296	Planned	Study	10/12/1927	CL	Frequent	0	743	-4720
M1080431	Los Ranchitos #1-3	HIDALGO	Unknown	500	D	Inside	865	Funded	Study	12/29/1987	CL	Frequent	2	744	-4755
M1080791	Villas del Valle	HIDALGO	Yellow	500	D	Inside	870	Funded	Study	3/23/1982	CL	Frequent	5	745	-4755
M1080771	Vales Subd.	HIDALGO	Red	100	B	Outside	169	No Project	Study	3/9/1987	CL	Frequent	0	746	-4755

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M0310167	Villa Nueva	CAMERON	Red	100	A	Inside	306	Funded	No Study	9/6/1945	CL	Frequent	4	747	-4760
M1080184	Colonia Victoriana	HIDALGO	Unknown	100	D	Inside	29	Funded	Study	2/5/1927	CL	Occassional	3	748	-4760
M1080678	Sioux Terrace South	HIDALGO	Green	100	C	Inside	347	Planned	Study	6/9/1986	CL	Frequent	0	749	-4760
M1080098	Benevides Subd.	HIDALGO	Green	100	B	Outside	302	No Project	Study	3/12/1982	CL	Frequent	0	750	-4760
M1080259	Encino Heights Subd.	HIDALGO	Unknown	500	C	Inside	166	Planned	Study	9/8/1987	CL	Frequent	2	751	-4765
M2450001	Bausell & Ellis	WILLACY	Unknown	X	B	Inside	100	Planned	Study	<null>	CL	Rare	21	752	-4765
M1080677	Sioux Terrace	HIDALGO	Unknown	100	C	Inside	194	Planned	Study	10/1/1985	CL	Frequent	1	753	-4765
M1080263	Evangeline Gardens	HIDALGO	Unknown	100	B	Inside	131	Planned	Study	8/27/1963	CL	Frequent	1	754	-4765
M1080093	Batson Gardens	HIDALGO	Unknown	100	B	Inside	144	Planned	Study	3/3/1926	CL	Frequent	2	755	-4765
M1080697	St. Claire Fisher Subd.	HIDALGO	Yellow	100	B	Outside	403	No Project	Study	<null>	CL	Frequent	1	756	-4770
M1080177	Colonia Las Palmas	HIDALGO	Yellow	X	D	Inside	258	Planned	Study	4/9/1984	CL	Rare	3	757	-4770
M0310172	Yost Road	CAMERON	Red	100	C	Inside	116	Planned	No Study	<null>	CL	Frequent	0	758	-4775
M1080445	Madero Townsite	HIDALGO	Unknown	100	B	Inside	873	Funded	Study	<null>	CL	Frequent	1	759	-4775
M1080549	Palo Verde	HIDALGO	Green	500	D	Inside	327	Funded	Study	6/3/1969	CL	Frequent	2	760	-4780
M1080473	Monte Cristo Heights	HIDALGO	Yellow	100	B	Inside	72	Planned	Study	1/24/1972	CL	Frequent	7	761	-4780
M1080313	Haven Subd.	HIDALGO	Unknown	100	B	Inside	5	Planned	Study	7/20/1965	CL	Frequent	2	762	-4780
M0310153	Stewart	CAMERON	Green	100	D	Inside	416	Funded	No Study	3/19/1989	CL	Frequent	0	763	-4780
M1080628	Roosevelt School	HIDALGO	Yellow	100	B	Inside	63	Planned	Study	6/18/1960	CL	Frequent	2	764	-4780
M1080772	Valle Alto #1	HIDALGO	Green	500	C	Inside	604	Planned	Study	5/26/1981	CL	Frequent	0	765	-4785
M1080468	Minnie Fenton Subd.	HIDALGO	Green	100	B	Inside	54	Planned	Study	2/12/1962	CL	Frequent	1	766	-4790
M0310072	Jaime Lake	CAMERON	Green	100	B	Inside	60	Planned	No Study	6/2/1981	CL	Frequent	1	767	-4790
M0310086	Las Flores	CAMERON	Green	500	D	Inside	7	Planned	No Study	11/20/1972	CL	Frequent	1	768	-4790
M0310088	Las Rusias	CAMERON	Red	X	C	Outside	38	Planned	No Study	<null>	CL	Frequent	14	769	-4790
M1080516	Olivarez #5	HIDALGO	Red	100	B	Inside	78	Planned	Study	<null>	CL	Rare	5	770	-4790
M1080593	Ramosville	HIDALGO	Green	500	C	Inside	216	Planned	Study	<null>	CL	Frequent	1	771	-4795
M1080068	Bar #5	HIDALGO	Unknown	X	B	Inside	510	Planned	Study	3/28/1993	CL	Occassional	4	772	-4795
M1080788	Villa Estates	HIDALGO	Green	X	B	Outside	248	No Project	Study	6/25/1987	CL	Frequent	2	773	-4795
M1080010	A&E Ramirez Subd. #2	HIDALGO	Unknown	X	D	Inside	69	Planned	Study	10/10/1983	CL	Rare	5	774	-4800
M1080566	Pralle Subd.	HIDALGO	Yellow	100	B	Inside	72	No Project	Study	3/31/1964	CL	Frequent	0	775	-4800
M1080773	Valle Alto #2	HIDALGO	Green	500	C	Inside	395	Planned	Study	11/6/1981	CL	Frequent	0	776	-4800
M1080506	O & J Subd.	HIDALGO	Green	X	C	Inside	334	Funded	Study	1/5/1988	CL	Frequent	2	777	-4800
M1080061	B & P Bridge (Toluca Ranch)	HIDALGO	Unknown	X	C	Inside	29	Planned	Study	1/16/1954	CL	Rare	1	778	-4800
M1080605	Red Barn Subd.	HIDALGO	Unknown	100	C	Inside	54	Funded	Study	3/7/1989	CL	Frequent	0	779	-4800
M0310125	Rangerville Estates	CAMERON	Yellow	100	B	Outside	42	Planned	No Study	5/17/1985	CL	Frequent	0	780	-4800

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M0310065	Hacienda Gardens	CAMERON	Green	100	B	Inside	308	Planned	No Study	12/20/1954	CL	Frequent	0	781	-4800
M1080272	FM 1426/Minn Rd	HIDALGO	Unknown	100	C	Inside	54	Planned	Study	<null>	CL	Frequent	0	782	-4800
M1080266	Expressway Heights	HIDALGO	Unknown	100	B	Inside	208	Planned	Study	10/22/1962	CL	Frequent	0	783	-4805
M1080551	Paradise Park Subd.	HIDALGO	Yellow	500	B	Inside	126	Planned	Study	11/13/1969	CL	Frequent	1	784	-4805
M1080007	281 Estates	HIDALGO	Unknown	100	B	Inside	190	Planned	Study	12/21/1982	CL	Rare	0	785	-4805
M1080040	Alvacan Subd.	HIDALGO	Unknown	100	B	Inside	104	Planned	Study	2/6/1973	CL	Frequent	0	786	-4805
M1080060	Azteca Acres	HIDALGO	Unknown	500	C	Inside	193	Planned	Study	4/1/1975	CL	Frequent	1	787	-4805
M1080163	Col Garza	HIDALGO	Unknown	500	C	Inside	282	Funded	Study	9/2/1926	CL	Occassional	0	788	-4810
M1080172	Colonia Evans #2	HIDALGO	Unknown	500	D	Inside	458	Funded	Study	12/15/1967	CL	Frequent	0	789	-4810
M1080525	Orchard Homes Addition #2	HIDALGO	Green	X	C	Inside	50	Planned	Study	3/8/1983	CL	Frequent	1	790	-4810
M1080614	Rice Addition	HIDALGO	Green	X	D	Inside	70	Planned	Study	10/4/1971	CL	Frequent	3	791	-4810
M1080505	Nuevo Penitas	HIDALGO	Green	X	B	Outside	243	Planned	Study	1/30/1969	CL	Frequent	1	792	-4815
M1080182	Colonia San Miguel	HIDALGO	Red	X	B	Outside	140	No Project	Study	4/18/1983	CL	Rare	0	793	-4815
M1080441	Lunar Heights Subd.	HIDALGO	Unknown	500	B	Inside	534	Planned	Study	4/6/1982	CL	Frequent	0	794	-4815
M1080109	BJB Subd.	HIDALGO	Unknown	100	B	Inside	1	Planned	Study	3/11/1991	CL	Rare	0	795	-4820
M1080332	Ignacio Perez	HIDALGO	Unknown	500	C	Inside	34	Planned	Study	8/4/1976	CL	Frequent	0	796	-4820
M1080271	Floresta Subd.	HIDALGO	Unknown	100	B	Inside	29	Planned	Study	2/28/1977	CL	Frequent	1	797	-4820
M1080110	Blue Rock	HIDALGO	Unknown	X	D	Inside	59	Funded	Study	6/6/1977	CL	Frequent	1	798	-4820
M1080073	Barrios #2	HIDALGO	Unknown	500	C	Inside	12	Planned	Study	3/18/1980	CL	Frequent	0	799	-4820
M1080113	Border Subd.	HIDALGO	Unknown	500	B	Inside	86	Planned	Study	6/28/1994	CL	Frequent	16	800	-4820
M1080715	Sunrise Estates #1	HIDALGO	Yellow	500	B	Inside	37	Planned	Study	4/1/1985	CL	Frequent	3	801	-4820
M1080289	Gomez Subd.	HIDALGO	Unknown	500	B	Inside	2	Planned	Study	4/20/1964	CL	Frequent	5	802	-4820
M1080741	Todd Subd. #3	HIDALGO	Yellow	X	C	Inside	230	Planned	Study	8/24/1988	CL	Frequent	0	803	-4825
M1080364	L. D. Morgan's Subd.	HIDALGO	Unknown	X	B	Inside	201	Planned	Study	11/15/1945	CL	Rare	1	804	-4825
M1080764	Universal Estates Subd.	HIDALGO	Yellow	500	D	Inside	204	Funded	Study	6/2/1987	CL	Frequent	0	805	-4825
M1080486	Mrs. Todd's Subd. #2	HIDALGO	Yellow	X	C	Inside	230	Planned	Study	2/12/1963	CL	Frequent	0	806	-4825
M1080228	Diaz Subd.	HIDALGO	Unknown	500	B	Inside	108	Funded	Study	2/2/1982	CL	Frequent	1	807	-4825
M1080171	Colonia Evans	HIDALGO	Unknown	500	D	Inside	153	Funded	Study	10/12/1963	CL	Frequent	0	808	-4825
M1080485	Mrs. Todd's Subd. #1	HIDALGO	Yellow	X	D	Inside	230	Planned	Study	2/12/1963	CL	Frequent	0	809	-4825
M1080477	Moore Road	HIDALGO	Green	100	B	Inside	48	Funded	Study	<null>	CL	Frequent	3	810	-4830
M1080651	Sauceda Subd.	HIDALGO	Green	500	B	Inside	18	Planned	Study	12/1/1987	CL	Frequent	7	811	-4830
M1080548	Palmview Subd.	HIDALGO	Green	500	C	Inside	67	Planned	Study	5/27/1958	CL	Frequent	0	812	-4830
M1080491	New Palm Subd.	HIDALGO	Green	500	C	Inside	24	Planned	Study	2/8/1980	CL	Frequent	0	813	-4830
M1080285	Gernentz Subd.	HIDALGO	Unknown	500	B	Inside	326	Planned	Study	4/10/1951	CL	Frequent	0	814	-4830

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M1080814	Wood Subd.	HIDALGO	Unknown	500	B	Inside	299	Planned	Study	1/5/1951	CL	Frequent	0	815	-4830
M1080760	Trosper Road Subd.	HIDALGO	Green	100	B	Inside	32	Planned	Study	11/10/1969	CL	Frequent	0	816	-4830
M0310019	Betty Acres	CAMERON	Green	100	B	Inside	76	Planned	No Study	1/7/1977	CL	Frequent	0	817	-4830
M1080367	La Aurora Subd.	HIDALGO	Green	X	B	Outside	113	No Project	Study	5/25/1982	CL	Frequent	0	818	-4835
M1080616	Ridge Road	HIDALGO	Red	500	B	Inside	149	Funded	Study	<null>	CL	Frequent	1	819	-4835
M1080469	Mission West Estates	HIDALGO	Green	X	B	Inside	113	Planned	Study	9/8/1987	CL	Frequent	2	820	-4835
M1080565	Post Oaks Subd.	HIDALGO	Green	X	B	Inside	129	Planned	Study	6/21/1985	CL	Frequent	7	821	-4835
M1080668	Shull Addition	HIDALGO	Green	X	C	Inside	123	Planned	Study	1/11/1966	CL	Frequent	0	822	-4835
M1080180	Colonia Rafael	HIDALGO	Green	X	B	Outside	230	No Project	Study	1/28/1985	CL	Frequent	0	823	-4835
M1080713	Sun Valley Subd.	HIDALGO	Green	X	B	Inside	162	Planned	Study	1/23/1968	CL	Frequent	20	824	-4835
M1080046	Amigo Park #3	HIDALGO	Unknown	X	B	Inside	42	Planned	Study	9/14/1976	CL	Frequent	2	825	-4840
M1080053	Arguello	HIDALGO	Unknown	500	B	Inside	86	Planned	Study	<null>	CL	Frequent	1	826	-4840
M1080302	Hacienda del Bronco #2	HIDALGO	Unknown	X	B	Inside	25	Planned	Study	7/12/1977	CL	Frequent	3	827	-4840
M1080286	Glasscock Estates Subd.	HIDALGO	Unknown	X	D	Inside	36	Planned	Study	5/7/1984	CL	Frequent	0	828	-4840
M1080107	Beto's Acres	HIDALGO	Unknown	500	D	Inside	33	Funded	Study	2/8/1953	CL	Frequent	0	829	-4840
M1080316	Hern Subd.	HIDALGO	Unknown	X	B	Inside	23	Planned	Study	6/13/1977	CL	Occassional	1	830	-4840
M1080633	Royalty House #2 & 3	HIDALGO	Green	500	B	Inside	316	Planned	Study	8/3/1982	CL	Frequent	0	831	-4840
M1080009	A&E Ramirez Subd.	HIDALGO	Unknown	X	D	Inside	31	Planned	Study	1/18/1983	CL	Rare	1	832	-4840
M1080442	Lyons	HIDALGO	Unknown	X	C	Inside	55	Planned	Study	3/27/1972	CL	Rare	0	833	-4840
M1080698	Starr Subd.	HIDALGO	Yellow	500	C	Inside	26	Funded	Study	3/14/1990	CL	Frequent	0	834	-4840
M1080415	Leona Subd.	HIDALGO	Unknown	500	B	Inside	38	Funded	Study	3/1/1966	CL	Frequent	3	835	-4840
M1080179	Colonia Martinez	HIDALGO	Unknown	X	B	Outside	48	No Project	Study	5/28/1962	CL	Rare	0	836	-4840
M1080343	J. R. Subd. #1	HIDALGO	Unknown	X	D	Inside	15	Planned	Study	8/23/1989	CL	Rare	0	837	-4840
M1080299	H & B Subd.	HIDALGO	Unknown	500	D	Inside	28	Funded	Study	2/19/1980	CL	Frequent	0	838	-4840
M1080253	Eldora Rd/FM 1426	HIDALGO	Unknown	500	C	Inside	21	Planned	Study	<null>	CL	Frequent	0	839	-4840
M1080743	Tolle Subd. #2	HIDALGO	Green	X	B	Inside	515	Funded	Study	<null>	CL	Frequent	1	840	-4845
M1080114	Borderland Retreat	HIDALGO	Unknown	500	B	Inside	147	Planned	Study	12/17/1985	CL	Frequent	0	841	-4845
M1080538	Palm Lake Estates #3	HIDALGO	Green	X	B	Inside	795	Planned	Study	2/9/1982	CL	Frequent	1	842	-4845
M1080023	Ala Blanca Norte #3	HIDALGO	Unknown	X	B	Inside	102	Funded	Study	1/7/1981	CL	Frequent	2	843	-4845
M1080238	Ebony Hollow Subd. #1	HIDALGO	Unknown	X	B	Inside	113	Funded	Study	10/14/1985	CL	Frequent	2	844	-4845
M1080264	Evie Subd.	HIDALGO	Unknown	500	B	Inside	198	Planned	Study	5/24/1977	CL	Frequent	1	845	-4845
M1080022	Ala Blanca Norte #2	HIDALGO	Unknown	X	B	Inside	146	Funded	Study	2/27/1979	CL	Frequent	2	846	-4845
M1080716	Sunrise Estates #2	HIDALGO	Yellow	500	B	Inside	125	Planned	Study	12/19/1989	CL	Frequent	0	847	-4845
M1080065	Bar #2	HIDALGO	Unknown	X	B	Inside	250	Planned	Study	3/30/1982	CL	Frequent	0	848	-4850

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M1080094	Beamsley Subd.	HIDALGO	Unknown	500	B	Inside	360	Funded	Study	2/18/1998	CL	Frequent	0	849	-4850
M1080553	Park Lane Subd.	HIDALGO	Green	X	B	Inside	39	Planned	Study	4/24/1962	CL	Frequent	17	850	-4850
M1080140	Casa Bonita Subd.	HIDALGO	Unknown	X	B	Inside	287	Planned	Study	7/3/1985	CL	Frequent	0	851	-4850
M1080418	Live Oak Mobil Home Park	HIDALGO	Unknown	500	B	Inside	350	Planned	Study	<null>	CL	Frequent	0	852	-4850
M1080809	Westview Heights	HIDALGO	Green	X	B	Inside	50	Planned	Study	9/19/1978	CL	Frequent	9	853	-4850
M1080535	Palm Heights Subd.	HIDALGO	Green	500	B	Inside	221	Planned	Study	1/1/1954	CL	Frequent	0	854	-4855
M1080696	St. Clair Acres	HIDALGO	Green	X	B	Outside	136	No Project	Study	<null>	CL	Frequent	0	855	-4855
M1080650	Santa Cruz Orange Gardens	HIDALGO	Green	500	B	Inside	160	Planned	Study	3/6/1962	CL	Frequent	0	856	-4855
M1080705	Stonegate Subd. #2	HIDALGO	Green	X	B	Inside	185	Funded	Study	10/19/1982	CL	Frequent	6	857	-4855
M1080644	San Juan South Estates	HIDALGO	Green	500	B	Inside	182	Planned	Study	12/5/1989	CL	Frequent	0	858	-4855
M1080250	El Sol	HIDALGO	Green	500	D	Inside	106	Funded	Study	<null>	CL	Frequent	0	859	-4855
M1080643	San Juan East Subd.	HIDALGO	Green	500	B	Inside	126	Planned	Study	4/22/1985	CL	Frequent	0	860	-4855
M1080640	Salinas-Hinojosa Subd.	HIDALGO	Green	X	B	Inside	249	Funded	Study	5/14/1984	CL	Frequent	9	861	-4855
M1080450	Mata Subd.	HIDALGO	Green	500	B	Inside	207	Planned	Study	10/3/1983	CL	Frequent	0	862	-4855
M1080810	Whalen Acres	HIDALGO	Green	500	B	Inside	113	Planned	Study	9/17/1940	CL	Frequent	0	863	-4855
M1080720	Tagle Subd. #1	HIDALGO	Yellow	500	B	Inside	32	Planned	Study	7/14/1980	CL	Frequent	0	864	-4860
M1080030	Alamo Rose R.V. Resort	HIDALGO	Unknown	500	B	Inside	18	Planned	Study	6/7/1988	CL	Frequent	0	865	-4860
M1080626	Rodriguez Subd. #2	HIDALGO	Unknown	500	B	Inside	49	Planned	Study	2/21/1966	CL	Frequent	0	866	-4860
M1080115	Borderland Retreat #2	HIDALGO	Unknown	500	B	Inside	6	Planned	Study	2/4/1985	CL	Frequent	1	867	-4860
M1080024	Ala Blanca Norte #4	HIDALGO	Unknown	X	B	Inside	25	Funded	Study	12/27/1973	CL	Frequent	5	868	-4860
M1080276	Francis Addition	HIDALGO	Unknown	500	B	Inside	45	Planned	Study	11/8/1956	CL	Frequent	0	869	-4860
M1080258	Encino #1	HIDALGO	Unknown	500	B	Inside	6	Planned	Study	9/16/1969	CL	Rare	0	870	-4860
M1080813	Williams Subd.	HIDALGO	Yellow	500	B	Inside	8	Planned	Study	8/19/1963	CL	Frequent	0	871	-4860
M1080038	Altamira West #2	HIDALGO	Unknown	500	B	Inside	31	Planned	Study	8/26/1984	CL	Frequent	0	872	-4860
M1080034	Alma Subd.	HIDALGO	Unknown	500	B	Inside	42	Planned	Study	7/20/1982	CL	Frequent	0	873	-4860
M0310100	Los Indios	CAMERON	Green	X	B	Inside	432	Planned	No Study	9/30/1911	CL	Frequent	1	874	-4860
M1080205	Crouse Subd.	HIDALGO	Unknown	500	B	Inside	43	Planned	Study	10/18/1966	CL	Frequent	0	875	-4860
M1080707	Sugar Acres	HIDALGO	Unknown	500	B	Inside	81	Planned	Study	7/9/1990	CL	Frequent	0	876	-4860
M1080029	Alamo Orchards	HIDALGO	Unknown	500	B	Inside	80	Planned	Study	6/29/1973	CL	Frequent	0	877	-4860
M1080200	Country Living Estates #2	HIDALGO	Unknown	500	B	Inside	11	Planned	Study	4/19/1990	CL	Frequent	0	878	-4860
M1080159	Citrus Retreat Subd.	HIDALGO	Unknown	500	B	Inside	35	Planned	Study	5/8/1978	CL	Occassional	0	879	-4860
M1080102	Beretta Estates	HIDALGO	Unknown	500	B	Inside	30	Planned	Study	4/17/1991	CL	Frequent	0	880	-4860
M1080295	Gray East & West	HIDALGO	Unknown	X	B	Inside	16	Planned	Study	<null>	CL	Frequent	2	881	-4860
M1080125	Bryan's Addition	HIDALGO	Unknown	500	B	Inside	65	Planned	Study	10/11/1927	CL	Frequent	0	882	-4860

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M1080188	Coronado	HIDALGO	Unknown	X	B	Inside	36	Funded	Study	11/7/1983	CL	Frequent	4	883	-4860
M1080249	El Seco Subd.	HIDALGO	Unknown	X	B	Inside	120	Planned	Study	9/13/1982	CL	Frequent	0	884	-4865
M1080206	Cuatro Vientos Subd.	HIDALGO	Unknown	X	B	Inside	131	Planned	Study	7/22/1986	CL	Frequent	1	885	-4865
M1080064	Balli Subd. #1	HIDALGO	Unknown	X	B	Inside	104	Planned	Study	1/21/1962	CL	Frequent	0	886	-4865
M1080043	Americana	HIDALGO	Unknown	X	A	Inside	200	Planned	Study	8/2/1976	CL	Rare	0	887	-4865
M1080199	Country Living Estates	HIDALGO	Unknown	500	B	Inside	179	Funded	Study	4/23/1987	CL	Frequent	0	888	-4865
M1080484	Morningsun Subd.	HIDALGO	Yellow	500	B	Inside	158	Funded	Study	2/26/1979	CL	Frequent	0	889	-4865
M1080736	Tierra Maria Subd.	HIDALGO	Yellow	X	B	Inside	198	Planned	Study	4/16/1989	CL	Frequent	0	890	-4865
M1080581	R/S lot J	HIDALGO	Yellow	500	B	Inside	192	Planned	Study	<null>	CL	Frequent	0	891	-4865
M1080627	Romo Subd.	HIDALGO	Green	500	B	Inside	11	Planned	Study	6/19/1990	CL	Frequent	0	892	-4870
M0310076	Kellers Corner	CAMERON	Red	X	B	Inside	24	Funded	No Study	<null>	CL	Frequent	2	893	-4870
M1080584	Racquet Club Subd.	HIDALGO	Green	500	B	Inside	5	Planned	Study	6/14/1973	CL	Frequent	0	894	-4870
M1080629	Rosa Linda Subd.	HIDALGO	Green	500	B	Inside	78	Planned	Study	9/7/1971	CL	Frequent	0	895	-4870
M1080808	Westgate Estates	HIDALGO	Green	500	B	Inside	6	Planned	Study	12/25/1991	CL	Frequent	0	896	-4870
M1080500	North McColl Subd.	HIDALGO	Green	500	B	Inside	35	Planned	Study	5/15/1973	CL	Frequent	1	897	-4870
M0310154	Tatum Addition	CAMERON	Green	X	B	Inside	4	No Project	No Study	3/12/1984	CL	Frequent	0	898	-4870
M1080812	Wildwood Forest	HIDALGO	Green	500	B	Inside	39	Planned	Study	12/6/1977	CL	Frequent	0	899	-4870
M0310097	Lopez	CAMERON	Green	X	B	Inside	60	Funded	No Study	6/11/1987	CL	Frequent	2	900	-4870
M1080661	Seville Park #1	HIDALGO	Green	500	B	Inside	43	Planned	Study	7/27/1973	CL	Frequent	1	901	-4870
M1080453	Max Subd.	HIDALGO	Green	500	B	Inside	31	Planned	Study	3/3/1981	CL	Frequent	0	902	-4870
M1080625	Rodriguez Subd.	HIDALGO	Green	500	B	Inside	58	Planned	Study	11/6/1964	CL	Frequent	0	903	-4870
M1080315	Heritage Square #2	HIDALGO	Unknown	X	B	Inside	283	Planned	Study	<null>	CL	Occassional	0	904	-4870
M1080456	McDaniel Subd.	HIDALGO	Green	500	B	Inside	17	Planned	Study	9/9/1946	CL	Frequent	0	905	-4870
M1080466	Milyca Subd.	HIDALGO	Green	500	B	Inside	19	Planned	Study	11/13/1974	CL	Frequent	0	906	-4870
M0310151	Stardust	CAMERON	Red	X	A	Inside	117	Planned	No Study	<null>	CL	Frequent	1	907	-4875
M1080684	South Minnesota Road Subd.	HIDALGO	Green	X	B	Inside	135	Planned	Study	9/24/1980	CL	Frequent	0	908	-4875
M1080787	Villa Donna Subd.	HIDALGO	Green	500	B	Inside	122	Funded	Study	9/26/1983	CL	Frequent	0	909	-4875
M1080095	Bella Vista Estates	HIDALGO	Green	X	B	Inside	135	Planned	Study	9/11/1989	CL	Frequent	0	910	-4875
M1080499	North Depot Road	HIDALGO	Green	500	B	Inside	189	Planned	Study	<null>	CL	Frequent	0	911	-4875
M1080035	Aloha Village Subd.	HIDALGO	Green	X	B	Inside	213	Planned	Study	8/5/1989	CL	Frequent	1	912	-4875
M1080348	Jardin Terrace Subd.	HIDALGO	Green	X	B	Inside	122	Planned	Study	11/21/1983	CL	Frequent	0	913	-4875
M1080645	San Juan Subd.	HIDALGO	Green	500	B	Inside	159	Planned	Study	<null>	CL	Frequent	0	914	-4875
M1080685	South Minnesota Road Subd. #2	HIDALGO	Green	X	B	Inside	122	Planned	Study	1/21/1986	CL	Frequent	0	915	-4875
M1080216	De La Garza Subd.	HIDALGO	Green	X	B	Inside	162	Planned	Study	1/1/1988	CL	Frequent	0	916	-4875

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M1080686	South Minnesota Road Subd. #3	HIDALGO	Green	X	B	Inside	117	Planned	Study	2/13/1983	CL	Frequent	0	917	-4875
M1080328	HME Subd.	HIDALGO	Unknown	500	B	Inside	90	Funded	Study	8/21/1978	CL	Frequent	0	918	-4880
M1080282	Gate City Acres	HIDALGO	Unknown	500	B	Inside	17	Planned	Study	<null>	CL	Frequent	0	919	-4880
M1080265	Expressway Acres	HIDALGO	Unknown	X	B	Inside	42	Funded	Study	<null>	CL	Occassional	2	920	-4880
M1080347	James Allen Subd.	HIDALGO	Unknown	X	B	Inside	65	Planned	Study	11/27/1978	CL	Frequent	0	921	-4880
M1080779	Valley View Estates	HIDALGO	Yellow	500	B	Inside	99	Funded	Study	3/19/1979	CL	Frequent	0	922	-4880
M1080154	Citriana Village	HIDALGO	Unknown	500	B	Inside	27	Funded	Study	6/9/1980	CL	Frequent	0	923	-4880
M1080020	Akin Development Subd.	HIDALGO	Unknown	X	B	Inside	50	Planned	Study	12/11/1978	CL	Occassional	0	924	-4880
M1080298	Guerra Ellis Subd. #1 & 2	HIDALGO	Unknown	X	B	Inside	41	Planned	Study	6/10/1980	CL	Frequent	0	925	-4880
M1080738	Timberhill Villa	HIDALGO	Yellow	X	B	Inside	8	Planned	Study	1/22/1971	CL	Frequent	0	926	-4880
M1080493	Nick Garza Subd.	HIDALGO	Yellow	X	B	Inside	89	Planned	Study	1/7/1980	CL	Frequent	0	927	-4880
M1080660	Seventh Street Addition Subd.	HIDALGO	Yellow	X	B	Inside	15	Planned	Study	2/10/1992	CL	Frequent	0	928	-4880
M1080054	Arguello #2	HIDALGO	Unknown	500	B	Inside	63	Planned	Study	<null>	CL	Frequent	1	929	-4880
M1080724	Thomas Ortega Subd.	HIDALGO	Yellow	X	B	Inside	32	Planned	Study	1/21/1983	CL	Frequent	0	930	-4880
M1080602	Randy Ley	HIDALGO	Unknown	X	B	Inside	72	Funded	Study	<null>	CL	Frequent	2	931	-4880
M1080638	Salas Subd.	HIDALGO	Unknown	X	B	Inside	72	Planned	Study	2/8/1964	CL	Frequent	0	932	-4880
M1080047	Amigo Park Subd. #1	HIDALGO	Unknown	X	B	Inside	30	Planned	Study	2/23/1971	CL	Frequent	0	933	-4880
M1080301	Hacienda del Bronco #1	HIDALGO	Unknown	X	B	Inside	92	Planned	Study	9/21/1971	CL	Frequent	0	934	-4880
M1080708	Summerwood Subd.	HIDALGO	Unknown	X	B	Inside	150	Planned	Study	<null>	CL	Rare	1	935	-4885
M1080323	Hilda Subd. #1	HIDALGO	Unknown	X	B	Inside	200	Funded	Study	11/23/1982	CL	Frequent	0	936	-4885
M1080057	Armstrong's Alton Subd.	HIDALGO	Unknown	X	B	Inside	161	Planned	Study	<null>	CL	Frequent	0	937	-4885
M1080028	Ala Blanca Subd. #4	HIDALGO	Unknown	X	B	Inside	167	Funded	Study	1/15/1974	CL	Frequent	0	938	-4885
M1080021	Ala Blanca Norte #1	HIDALGO	Unknown	X	B	Inside	214	Funded	Study	3/27/1979	CL	Frequent	0	939	-4885
M1080027	Ala Blanca Subd. #3	HIDALGO	Unknown	X	B	Inside	156	Funded	Study	5/23/1973	CL	Frequent	0	940	-4885
M1080754	Trevino Subd.	HIDALGO	Green	X	B	Inside	15	Planned	Study	12/21/1982	CL	Frequent	0	941	-4890
M1080574	R. Ruiz Subd.	HIDALGO	Green	X	B	Inside	5	Planned	Study	12/7/1982	CL	Frequent	0	942	-4890
M1080187	Corina's Corner	HIDALGO	Green	X	B	Inside	27	Planned	Study	2/6/1988	CL	Frequent	0	943	-4890
M0310003	21 Subdivision	CAMERON	Red	X	B	Inside	15	Planned	No Study	<null>	CL	Frequent	0	944	-4890
M1080726	Thrasher Terrace	HIDALGO	Green	500	B	Inside	81	Funded	Study	1/21/1964	CL	Frequent	0	945	-4890
M1080830	Laguna Hermosa	HIDALGO	Green	X	B	Inside	23	Planned	Study	10/20/1981	CL	Frequent	0	946	-4890
M1080806	West Highway Subd.	HIDALGO	Green	X	B	Inside	59	Planned	Study	2/25/1947	CL	Frequent	1	947	-4890
M1080234	Dude Hill #1	HIDALGO	Green	X	B	Inside	45	Planned	Study	3/6/1978	CL	Frequent	0	948	-4890
M1080673	Siez Tract	HIDALGO	Green	500	B	Inside	60	Planned	Study	<null>	CL	Frequent	0	949	-4890
M1080819	Carlos G. Leal, Jr. Subd.	HIDALGO	Red	X	B	Inside	54	Funded	Study	1/22/1982	CL	Frequent	0	950	-4890

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M1080540	Palma Alta	HIDALGO	Green	X	B	Inside	36	Planned	Study	12/11/1978	CL	Frequent	0	951	-4890
M1080649	Santa Cruz Estates	HIDALGO	Green	X	B	Inside	99	Planned	Study	12/5/1989	CL	Frequent	1	952	-4890
M1080733	Tierra Estates #2	HIDALGO	Green	X	B	Inside	72	Planned	Study	12/31/1985	CL	Frequent	0	953	-4890
M1080454	McColl Estates	HIDALGO	Green	500	B	Inside	35	Funded	Study	5/18/1972	CL	Frequent	0	954	-4890
M1080739	Timberhill Villa #4	HIDALGO	Green	X	B	Inside	20	Planned	Study	3/6/1978	CL	Frequent	0	955	-4890
M1080476	Montemayor Subivision	HIDALGO	Green	X	B	Inside	36	Planned	Study	5/12/1975	CL	Frequent	0	956	-4890
M1080478	Moore Road Subd.	HIDALGO	Green	500	B	Inside	11	Funded	Study	9/11/1989	CL	Frequent	0	957	-4890
M1080658	Sendero Subd.	HIDALGO	Green	X	B	Inside	26	Planned	Study	7/25/1983	CL	Frequent	0	958	-4890
M1080448	Marla Subd.	HIDALGO	Green	X	B	Inside	90	Planned	Study	9/22/1981	CL	Frequent	0	959	-4890
M1080459	Merrill Subd.	HIDALGO	Green	X	B	Inside	59	Planned	Study	8/23/1966	CL	Frequent	1	960	-4890
M1080818	Alex Cavazos Subd.	HIDALGO	Green	X	B	Inside	108	Funded	Study	11/23/1982	CL	Frequent	0	961	-4895
M1080089	Basham #7	HIDALGO	Green	X	B	Inside	104	Funded	Study	7/16/1981	CL	Frequent	0	962	-4895
M1080026	Ala Blanca Subd. #2	HIDALGO	Unknown	X	B	Inside	90	Funded	Study	12/28/1972	CL	Frequent	0	963	-4900
M1080635	Rush Subd.	HIDALGO	Unknown	X	B	Inside	32	Planned	Study	<null>	CL	Frequent	0	964	-4900
M1080297	Grovewood Estates	HIDALGO	Unknown	X	B	Inside	45	Planned	Study	<null>	CL	Frequent	0	965	-4900
M1080481	Moreno	HIDALGO	Yellow	X	B	Inside	59	Funded	Study	4/10/1978	CL	Frequent	0	966	-4900
M1080816	Yvonne	HIDALGO	Yellow	500	B	Inside	16	Funded	Study	<null>	CL	Frequent	0	967	-4900
M1080123	Browning-Ken #3	HIDALGO	Unknown	X	B	Inside	57	Planned	Study	<null>	CL	Frequent	0	968	-4900
M1080088	Basham #6	HIDALGO	Unknown	X	B	Inside	63	Funded	Study	3/9/1981	CL	Frequent	0	969	-4900
M1080018	Adkins Subd.	HIDALGO	Unknown	X	B	Inside	59	Planned	Study	<null>	CL	Frequent	0	970	-4900
M1080156	Citrus Hills Subd.	HIDALGO	Unknown	X	B	Inside	50	Funded	Study	7/1/1977	CL	Frequent	0	971	-4900
M1080695	Spring Gate Estates	HIDALGO	Unknown	X	B	Inside	20	Planned	Study	<null>	CL	Frequent	0	972	-4900
M1080100	Bentsen	HIDALGO	Unknown	X	B	Inside	36	Planned	Study	<null>	CL	Frequent	1	973	-4900
M1080112	Bodine Subd.	HIDALGO	Unknown	X	B	Inside	54	Funded	Study	11/9/1973	CL	Frequent	0	974	-4900
M1080083	Basham #19	HIDALGO	Unknown	X	B	Inside	90	Planned	Study	<null>	CL	Frequent	0	975	-4900
M1080186	Conway Plaza Subd.	HIDALGO	Unknown	X	B	Inside	27	Funded	Study	10/4/1995	CL	Frequent	0	976	-4900
M1080235	Dude Hill Subd. #2	HIDALGO	Unknown	X	B	Inside	59	Funded	Study	6/23/1981	CL	Frequent	0	977	-4900
M1080546	Palmhurst Manor #1	HIDALGO	Green	X	B	Inside	9	Planned	Study	<null>	CL	Frequent	0	978	-4910
M1080559	Perlas De Naranja	HIDALGO	Green	X	B	Inside	90	Funded	Study	4/19/1976	CL	Frequent	0	979	-4910
M1080532	Palm Acres #1	HIDALGO	Green	X	B	Inside	23	Funded	Study	2/29/1972	CL	Frequent	0	980	-4910
M1080597	Rancho Grande Estates	HIDALGO	Green	X	B	Inside	36	Funded	Study	6/16/1972	CL	Frequent	1	981	-4910
M1080702	Stewart Place Subd.	HIDALGO	Green	X	B	Inside	27	Funded	Study	4/24/1989	CL	Frequent	0	982	-4910
M1080084	Basham #2	HIDALGO	Green	X	B	Inside	50	Funded	Study	10/2/1979	CL	Frequent	0	983	-4910
M1080704	Stonegate Subd. #1	HIDALGO	Green	X	B	Inside	62	Funded	Study	7/18/1977	CL	Frequent	0	984	-4910

MNUMBER	Colonias Name	County Name	Existing INFRA	FEMA FP	Hydric Soils	In DD	Population	Current Proj	Existing Study Info	Model Subdivision	City Bndry	Historic Flooding	Terrain Ponding	Colonias Rank	Total Points
M0310073	Jones Addition	CAMERON	Green	X	B	Inside	91	Funded	No Study	9/14/1964	CL	Frequent	0	985	-4910
M1080742	Tolle	HIDALGO	Green	X	B	Inside	149	Funded	Study	<null>	CL	Frequent	0	986	-4915
M1080025	Ala Blanca Subd. #1	HIDALGO	Unknown	X	B	Inside	40	Funded	Study	<null>	CL	Frequent	0	987	-4920
M0310113	Palacios Estates	CAMERON	Yellow	100	B	Inside	63	Planned	No Study	8/30/1996	CL	Frequent	0	988	-7345

Appendix C.3

Colonias Rankings & Statistics

Prioritization Statistics

LRGV Colonias Base Statistical Analysis

Colonias - Secretary of State

Final

	Cameron		Hidalgo		Willacy		Totals	
Category	**Count CamCo**	**% Ttl CamCo**	**Count HidCo**	**% Ttl HidCo**	**Count WilCo**	**% Ttl WilCo**	**Count All Counties**	**% Ttl All Counties**
Jurisdictional Boundary								
Colonias in CL	18	10.47%	232	29.00%	1	6.25%	251	25.40%
Colonias in ETJ	140	81.40%	521	65.13%	2	12.50%	663	67.11%
Colonias outside ETJ	14	8.14%	47	5.88%	13	81.25%	74	7.49%
Totals	172	100.00%	800	100.00%	16	100.00%	988	100.00%
Existing Drainage Infrastructure (SB-827)								
Colonias with Existing Dranage Infrastrucure Green	91	52.91%	251	31.38%	0	0.00%	342	34.62%
Colonias with Existing Dranage Infrastrucure Yellow	41	23.84%	214	26.75%	0	0.00%	255	25.81%
Colonias with Existing Dranage Infrastrucure Red	40	23.26%	106	13.25%	0	0.00%	146	14.78%
Colonias with Existing Dranage Infrastrucure Unknown	0	0.00%	229	28.63%	16	100.00%	245	24.80%
Totals	172	100.00%	800	100.00%	16	100.00%	988	100.00%
FEMA Floodplain								
Colonias in Floodway	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Colonias in 100yr FP	91	52.91%	158	19.75%	7	43.75%	256	25.91%
Colonias in 500yr FP	12	6.98%	235	29.38%	0	0.00%	247	25.00%
Colonias in Zone X	69	40.12%	407	50.88%	9	56.25%	485	49.09%
Totals	172	100.00%	800	100.00%	16	100.00%	988	100.00%
Historic Flooding								
Colonias with Frequent Historic Flooding	170	98.84%	714	89.25%	1	6.25%	885	89.57%
Colonias with Occassional Historic Flooding	2	1.16%	27	3.38%	0	0.00%	29	2.94%
Colonias with Rare Historic Flooding	0	0.00%	59	7.38%	15	93.75%	74	7.49%
Totals	172	100.00%	800	100.00%	16	100.00%	988	100.00%
Modeled Subdivision								
Colonias in Modeled Subdivision	7	4.07%	4	0.50%	3	18.75%	14	1.42%
Colonias in Not Modeled Subdivision	106	61.63%	666	83.25%	2	12.50%	774	78.34%
Colonias in Unknown Modeled Subdivision	59	34.30%	130	16.25%	11	68.75%	200	20.24%
Totals	172	100.00%	800	100.00%	16	100.00%	988	100.00%
Projects								
Colonias with Funded Projects	56	32.56%	307	38.38%	6	37.50%	369	37.35%
Colonias with Planned Projects	63	36.63%	456	57.00%	1	6.25%	520	52.63%
Colonias with No Projects	53	30.81%	37	4.63%	9	56.25%	99	10.02%
Totals	172	100.00%	800	100.00%	16	100.00%	988	100.00%

LRGV Colonias Base Statistical Analysis

Colonias - Secretary of State

Final

	Cameron		Hidalgo		Willacy		Totals	
Category	**Count CamCo**	**% Ttl CamCo**	**Count HidCo**	**% Ttl HidCo**	**Count WilCo**	**% Ttl WilCo**	**Count All Counties**	**% Ttl All Counties**
Soils								
Colonias with Hydric Soils	79	45.93%	132	16.50%	8	50.00%	219	22.17%
Colonias with Composite Hydric Soils	2	1.16%	0	0.00%	0	0.00%	2	0.20%
Colonias with non Hydric Soils	91	52.91%	668	83.50%	8	50.00%	767	77.63%
Totals	172	100.00%	800	100.00%	16	100.00%	988	100.00%
TWDB Population								
Colonias Population Less than 50	46	26.74%	229	28.63%	7	43.75%	282	28.54%
Colonias Population 50-100	36	20.93%	221	27.63%	4	25.00%	261	26.42%
Colonias Population 100-250	52	30.23%	235	29.38%	3	18.75%	290	29.35%
Colonias Population 250-500	21	12.21%	71	8.88%	0	0.00%	92	9.31%
Colonias Population 500-1000	10	5.81%	33	4.13%	1	6.25%	44	4.45%
Colonias Population 1000 or greater	7	4.07%	11	1.38%	1	6.25%	19	1.92%
Totals	172	100.00%	800	100.00%	16	100.00%	988	100.00%
Secretary of State Colonias (SOS)								
SOS Colonias	172	100.00%	800	100.00%	16	100.00%	988	100.00%
Non-SOS Colonias	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	172	100.00%	800	100.00%	16	100.00%	988	100.00%
Terrain Ponding								
Colonias with depth at 75% or greater	2	1.16%	1	0.13%	1	6.25%	4	0.40%
Colonias with depth less than 75% and greater than 20%	0	0.00%	10	1.25%	5	31.25%	15	1.52%
Colonias with less than 20% depth but greater than 1%	72	41.86%	194	24.25%	6	37.50%	272	27.53%
Colonias with less than 1%	98	56.98%	595	74.38%	4	25.00%	697	70.55%
Totals	172	100.00%	800	100.00%	16	100.00%	988	100.00%
Drainage District								
Colonias Inside Drainage District	120	69.77%	764	95.50%	8	50.00%	892	90.28%
Colonias Outside Drainage District	52	30.23%	36	4.50%	8	50.00%	96	9.72%
Totals	172	100.00%	800	100.00%	16	100.00%	988	100.00%
Watershed								
Colonias in Brownsville System	96	55.81%	0	0.00%	0	0.00%	96	9.72%
Colonias in North Floodway / Arroyo Colorado System	75	43.60%	205	25.63%	1	6.25%	281	28.44%
Colonias in Raymondville / North Main Drain System	1	0.58%	571	71.38%	15	93.75%	587	59.41%
Colonias in Rio Grande System	0	0.00%	24	3.00%	0	0.00%	24	2.43%
Totals	172	100.00%	800	100.00%	16	100.00%	988	100.00%
Population Comparison								
Colonias Population in Brownsville System	31064	66.28%	0	0.00%	0	0.00%	31064	17.34%
Colonias Population in North Floodway / Arroyo Colorado System	15752	33.61%	47810	37.10%	65	1.88%	63627	35.51%
Colonias Population in Raymondville / North Main Drain System	53	0.11%	75786	58.81%	3400	98.12%	79239	44.22%
Colonias Population in Rio Grande System	0	0.00%	5265	4.09%	0	0.00%	5265	2.94%
Totals	46869	100.00%	128861	100.00%	3465	100.00%	179195	100.00%
% of Colonias Population to all LRGV SOS Colonias	*46869 / 179195 =*	*26.16%*	*128861 / 179195 =*	*71.91%*	*3465 / 179195 =*	*1.93%*	*179195*	*100.00%*

LRGV Colonias Base Statistical Analysis

Top 100 Colonias - Secretary of State

Final

	Cameron		Hidalgo		Willacy		Totals	
Category	**Count CamCo**	**% Ttl CamCo**	**Count HidCo**	**% Ttl HidCo**	**Count WilCo**	**% Ttl WilCo**	**Count All Counties**	**% Ttl All Counties**
Jurisdictional Boundary								
Colonias in CL	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Colonias in ETJ	37	78.72%	40	88.89%	1	12.50%	78	78.00%
Colonias outside ETJ	10	21.28%	5	11.11%	7	87.50%	22	22.00%
Totals	47	100.00%	45	100.00%	8	100.00%	100	100.00%
Existing Drainage Infrastructure (SB-827)								
Colonias with Existing Dranage Infrastrucure Green	18	38.30%	6	13.33%	0	0.00%	24	24.00%
Colonias with Existing Dranage Infrastrucure Yellow	21	44.68%	19	42.22%	0	0.00%	40	40.00%
Colonias with Existing Dranage Infrastrucure Red	8	17.02%	10	22.22%	0	0.00%	18	18.00%
Colonias with Existing Dranage Infrastrucure Unknown	0	0.00%	10	22.22%	8	100.00%	18	18.00%
Totals	47	100.00%	45	100.00%	8	100.00%	100	100.00%
FEMA Floodplain								
Colonias in Floodway	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Colonias in 100yr FP	41	87.23%	28	62.22%	7	87.50%	76	76.00%
Colonias in 500yr FP	4	8.51%	12	26.67%	0	0.00%	16	16.00%
Colonias in Zone X	2	4.26%	5	11.11%	1	12.50%	8	8.00%
Totals	47	100.00%	45	100.00%	8	100.00%	100	100.00%
Historic Flooding								
Colonias with Frequent Historic Flooding	46	97.87%	38	84.44%	1	12.50%	85	85.00%
Colonias with Occassional Historic Flooding	1	2.13%	0	0.00%	0	0.00%	1	1.00%
Colonias with Rare Historic Flooding	0	0.00%	7	15.56%	7	87.50%	14	14.00%
Totals	47	100.00%	45	100.00%	8	100.00%	100	100.00%
Modeled Subdivision								
Colonias in Modeled Subdivision	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Colonias in Not Modeled Subdivision	33	70.21%	34	75.56%	2	25.00%	69	69.00%
Colonias in Unknown Modeled Subdivision	14	29.79%	11	24.44%	6	75.00%	31	31.00%
Totals	47	100.00%	45	100.00%	8	100.00%	100	100.00%
Projects								
Colonias with Funded Projects	14	29.79%	12	26.67%	4	50.00%	30	30.00%
Colonias with Planned Projects	14	29.79%	27	60.00%	0	0.00%	41	41.00%
Colonias with No Projects	19	40.43%	6	13.33%	4	50.00%	29	29.00%
Totals	47	100.00%	45	100.00%	8	100.00%	100	100.00%

LRGV Colonias Base Statistical Analysis

Top 100 Colonias - Secretary of State

Final

	Cameron		Hidalgo		Willacy		Totals	
Category	**Count CamCo**	**% Ttl CamCo**	**Count HidCo**	**% Ttl HidCo**	**Count WilCo**	**% Ttl WilCo**	**Count All Counties**	**% Ttl All Counties**
Soils								
Colonias with Hydric Soils	31	65.96%	21	46.67%	4	50.00%	56	56.00%
Colonias with Composite Hydric Soils	2	4.26%	0	0.00%	0	0.00%	2	2.00%
Colonias with non Hydric Soils	14	29.79%	24	53.33%	4	50.00%	42	42.00%
Totals	47	100.00%	45	100.00%	8	100.00%	100	100.00%
TWDB Population								
Colonias Population Less than 50	13	27.66%	5	11.11%	3	37.50%	21	21.00%
Colonias Population 50-100	3	6.38%	4	8.89%	3	37.50%	10	10.00%
Colonias Population 100-250	14	29.79%	13	28.89%	0	0.00%	27	27.00%
Colonias Population 250-500	6	12.77%	4	8.89%	0	0.00%	10	10.00%
Colonias Population 500-1000	7	14.89%	11	24.44%	1	12.50%	19	19.00%
Colonias Population 1000 or greater	4	8.51%	8	17.78%	1	12.50%	13	13.00%
Totals	47	100.00%	45	100.00%	8	100.00%	100	100.00%
Secretary of State Colonias (SOS)								
SOS Colonias	47	100.00%	45	100.00%	8	100.00%	100	100.00%
Non-SOS Colonias	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Totals	47	100.00%	45	100.00%	8	100.00%	100	100.00%
Terrain Ponding								
Colonias with depth at 75% or greater	2	4.26%	1	2.22%	1	12.50%	4	4.00%
Colonias with depth less than 75% and greater than 20%	0	0.00%	8	17.78%	4	50.00%	12	12.00%
Colonias with less than 20% depth but greater than 1%	31	65.96%	28	62.22%	3	37.50%	62	62.00%
Colonias with less than 1%	14	29.79%	8	17.78%	0	0.00%	22	22.00%
Totals	47	100.00%	45	100.00%	8	100.00%	100	100.00%
Drainage District								
Colonias Inside Drainage District	34	72.34%	38	84.44%	4	50.00%	76	76.00%
Colonias Outside Drainage District	13	27.66%	7	15.56%	4	50.00%	24	24.00%
Totals	47	100.00%	45	100.00%	8	100.00%	100	100.00%
Watershed								
Colonias in Brownsville System	26	55.32%	0	0.00%	0	0.00%	26	26.00%
Colonias in North Floodway / Arroyo Colorado System	20	42.55%	18	40.00%	1	12.50%	39	39.00%
Colonias in Raymondville / North Main Drain System	1	2.13%	23	51.11%	7	87.50%	31	31.00%
Colonias in Rio Grande System	0	0.00%	4	8.89%	0	0.00%	4	4.00%
Totals	47	100.00%	45	100.00%	8	100.00%	100	100.00%
Population Comparison								
Colonias Population in Brownsville System	14142	70.16%	0	0.00%	0	0.00%	14142	28.10%
Colonias Population in North Floodway / Arroyo Colorado System	5963	29.58%	13515	49.70%	65	2.18%	19543	38.83%
Colonias Population in Raymondville / North Main Drain System	53	0.26%	12062	44.36%	2919	97.82%	15034	29.87%
Colonias Population in Rio Grande System	0	0.00%	1614	5.94%	0	0.00%	1614	3.21%
Totals	20158	100.00%	27191	100.00%	2984	100.00%	50333	100.00%
% of Colonias Population to all LRGV SOS Colonias	*20158/ / 50333 =*	*40.05%*	*27191 / 50333 =*	*54.02%*	*2984 / 50333 =*	*5.93%*	*50333*	*100.00%*

Appendix C.4

Colonias Rankings & Statistics

Prioritization Ranking Expression

(See Excel document in DVD)

Appendix D

Recommendations

TEXAS WATER DEVELOPMENT BOARD
STORMWATER DRAINAGE PLANNING
The Colonias of the Lower Rio Grande Valley (LRGV)

Located within the Counties of Cameron, Hidalgo, and Willacy

The purpose of the proposed project is to develop the necessary drainage planning required to "...examine the infrastructure needs in the Colonias, in particular the use of CDBG disaster recovery funds to provide drainage improvements to correct flooding problems in the wake of Hurricane Dolly, and the historical provision of public infrastructure and housing assistance to meet those needs in border and non-border Colonias." The project area is defined as the Colonias in the Lower Rio Grande Valley (LRGV) area, consisting of Cameron County, Hidalgo County and Willacy County. The project work plan and base scope is divided in two distinct phases as follows:

Phase 1: Compilation of existing available data and project scoping.

Phase 2: Existing Regional (Main System) Analysis and Impact to Colonias.

Phase 1 – Project Management/Compilation of Existing Data and Project Scoping

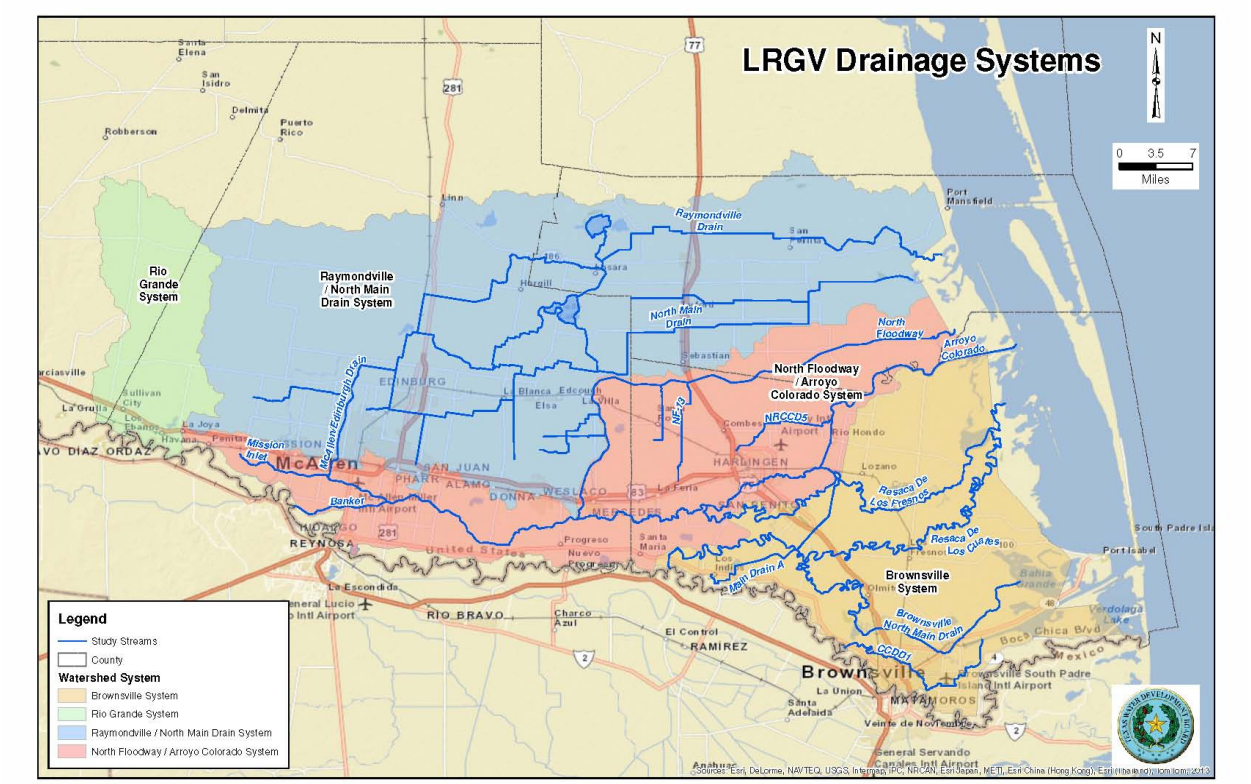
Phase 1 focused on compiling existing data pertaining to the approximate 988 Secretary of State defined Colonias located in the three county project study area. A thorough review of available data was conducted to establish a prioritized list of Colonias that will be utilized to define the focus of the detail project study area. The Phase 1 deliverables included:

- *Project Management Plan, which included the Quality Assurance Plan;*
- *Summary documentation of the initial kick-off public meetings held;*
- *Monthly progress reporting*;
- *Database of collected information;*
- *Compilation of those key community representatives interviewed; and*
- *Project Scope of Work document (Phase 2).*

The prioritization process was established due to the limited available funding necessary to identify and provide solutions for all Secretary of State Colonias. Through Phase 1, the project team has identified Colonias with the highest risk of flooding and therefore the greatest need for drainage infrastructure. The implementation of the remaining project funds (Phase 2) will be utilized to perform a regional (main) drainage system analysis to address the source of flooding for the prioritized hierarchy of Colonia needs. In addition, the team has developed an enhancement option to be considered if additional funds are available. The enhancement option would further the usefulness and benefits of this Stormwater Drainage Planning project, to address specific localized Colonia flooding for 100 individual, high priority Colonias. It is evident that a broader scale, regional analysis combined with a local analysis within specific Colonias is essential to examine the full spectrum of drainage infrastructure needs of the Colonias and identify comprehensive solutions to those problems.

PHASE 2:
Existing Regional (Main System) Analysis and Impact to Colonias

The purpose of Phase 2 is to evaluate the regional nature of the flooding problems associated with the regional (main) drainage systems in Hidalgo, Cameron, and Willacy Counties and quantify the impact to individual Colonias. It is evident that a broader scale, regional analysis is essential to examine drainage infrastructure needs of the Colonias and identify solutions to those problems. The graphic below displays the four existing regional (main) drainage systems. Regional analysis will be conducted for the drainage systems indicated with a blue line. The Rio Grande System will not be evaluated because the majority of the flooding problems are caused by the Rio Grande River.



Hydrologic and hydraulic methodologies will be evaluated and recommended to best analyze the impacts to Colonias from the regional system. Results will include an assessment of the regional flood hazard risks to identify Colonias impacts. Analyses will be conducted to reflect drainage conditions for existing and future land use conditions and selected storm frequency scenarios. Conceptual flood mitigation alternatives will be evaluated based upon the technical feasibility of each proposed alternative to be implemented. There is the possibility of multiple Colonias that are within proximity to one other that could benefit from the same flood protection measure. Phase 2 study tasks shall include the following:

Task 4 – Project Management, Contract Administration, and Meetings

As an extension of Phase 1 -Task 1, the project PMP, and accompanying QAP, will be updated as required in response to project tasks and results of activities. This task also includes:

- Approximately 15 individual coordination meetings, as outlined in Phase 1, with project stakeholders (Counties, Drainage Districts, Cities, and some individual Colonias) associated with the study
- Monthly project team meetings to communicate project status, results, guidance, etc.

- Three (3) Public meetings to be conducted in the project area. It is anticipated that one (1) additional public meeting will be held in each of the three counties making up the LRGV project area (Hidalgo, Cameron and Willacy counties). These county public meetings will be held as the project progresses to communicate the Phase 2 project's goals and schedule, and solicit buy-in from the public regarding the identification and validation of flooding problems.

Task 5 – Hydrologic Model Development

Development of detailed regional hydrologic models will be prepared for each major watershed and associated main drainage systems within each watershed, to establish/validate a baseline hydrologic condition. The four major watersheds and main drainage systems are illustrated on figure above. Analysis will be conducted on all systems with the exception of the Rio Grande System.

5.1. Leverage Existing Models: Existing hydrologic models for the IBWC floodways, and the Raymondville Drain will be utilized to their fullest extent. It is anticipated these existing models will be updated and geo-referenced (modernized) to ensure a consistent methodology and accurate validated results.

5.2. Model Methodology: Recommend the appropriate and accurate analytical methodology to analyze the hydrologic conditions of the project watershed basins. It is anticipated the recommended GIS-based hydrologic model will include the USACE Hydrologic Engineering Center-Hydrologic Modeling System (HEC-HMS), as agreed upon with the TWDB. As part of this analysis the focus may involve the evaluation of volumetric flood analysis. Given the flat topography and limited infrastructure to convey drainage, management of stormwater volumes (storage of flood water), and movement of volumes through the regional system will be evaluated.

5.3. Model Parameters: Develop model parameters for both existing and future land use conditions utilizing information obtained from the LRGVDC, infrared spectral analysis and the most recent aerial photography to estimate existing impervious cover. Future land use estimates will be determined through coordination with Regional, City and County staff. Development of parameters will utilize existing GIS data, regional planning data, and use STATSGO or SSURGO soil information to generate hydrologic parameters. The appropriate routing will be developed for all detailed storage areas. Rainfall intensity and storm frequency are important elements in the analysis. Coordination with the USGS and the National Weather Service may aid in developing the most appropriate and accurate rainfall.

5.4. Model Calibration: A calibration analysis, based on historical record of rainfall, discharge, and volume will be performed. Following confirmation of the calibration, detailed hydrologic models using uniform rainfall will be developed. It is anticipated the hydrologic model will be calibrated to two (2) historical events, provided the appropriate historical data is available.

5.5. Frequency Analysis: Hydrologic peak flow rates and volumes will be determined for storm frequency recurrence intervals at key locations within the watershed, as agreed upon by the TWDB. Peak flow rates and volumes will be computed for the existing and future 2-, 5-, 10-, 25-, 50-, 100- and 500-year events. Results will be compared to existing data (USACE, IBWC, FIS, USGS) where available. Computed peak flow rates will then be used in the hydraulic model as described in the Task 6.

Task 6 – Hydraulic Model Development

Upon completion and approval of Task 5 (Hydrologic Analysis), development of detailed baseline hydraulic analysis will be performed for defined drainage conveyance channel.

6.1. Leverage Existing Models: Existing hydraulic models for the IBWC floodways and the Raymondville Drain will be utilized to their fullest extent. It is anticipated these existing models will be updated and geo-referenced (modernized) to ensure a consistent methodology and accurate validated results.

6.2. Model Methodology: Recommend the appropriate and accurate analytical methodology to analyze the hydraulic conditions of the project conveyance systems. It is anticipated the recommended GIS-based hydraulic model will include the USACE Hydrologic Engineering Center-River Analysis System (HEC-RAS), as agreed upon with the TWDB. In areas of multi-directional flow, two-dimensional modeling or unsteady HEC-RAS simulations will be developed to validate one-dimensional assumptions.

6.3. Model Parameters: Hydraulic model parameters and other modeling assumptions will be based on field visits, county maintenance practices, engineering judgment, and as agreed upon by the TWDB and the engineer. Roughness coefficients (Manning's n-values) will be developed utilizing GIS overlays and supplemental field observations.

6.4. Field Surveys: Field survey will need to be collected pending the review and identification of problem areas, especially in areas that are unstudied or are known to be outdated. In general, field survey efforts will be concentrated through specific problem areas. Field surveys will be taken on the Texas State Plane coordinate system (US foot), NAD 83 horizontal and NAVD 88 vertical datum, in accordance with the best available topographic information (LiDAR) compiled in Phase 1. Existing survey data will be utilized and converted as necessary so that it is comparable to data collected as a part of this study.

6.5. Model Calibration: A calibration analysis, based on historical record of rainfall, observed flooding extents, and high water marks will be performed. Following confirmation of the calibration, hydraulic models using calibrated peak flow rates will be developed.

6.6. Flood Profiles: Computed flood elevations will be developed under the various storm frequencies and development condition scenarios analyzed under the hydrologic modeling task. Flood profiles for the 2-, 5-, 10-, 25-, 50-, 100-, and 500-year frequency storm events will be developed for the existing and future regional conditions. Flood hazard areas determined during the information/data review task will be compared against modeled flooding areas.

Task 7 – Previous Scope Task – Exempt

Task 8 – Establish Flood Protection Criteria

8.1. Criteria and Evaluation: Federal, state and local flood protection criteria will be compiled. The TWDB will review and establish project specific criteria and evaluation measures to be used in the development and assessment of various regional flood mitigation alternatives, and under which scenarios should alternatives be considered. An assessment of drainage criteria for the region will be performed. Several scenarios will be evaluated based on the following criteria:

- Minimize flood hazards
- Economical (Benefit to Cost ratio)
- Federal criteria
- Neighborliness (Are we pushing our problem on someone else?)
- Public Acceptance
- No Adverse Impact
- IBWC Operations and Impacts
- Review of Alternatives for Evaluation

8.2. Alternatives: Flood protection measures to be considered may include the following structural and non-structural measures as independent or combination solutions:

- Structural Alternatives:
  - Detention/Retention ponds
  - Diversions, canals, levees, and reclamation
  - Elevate flood prone structures
  - Improved channels: flood control and erosion protection
  - Improve channels: dredging and clearing
  - Improved bridges/culverts
  - Stormwater collection systems
  - Pump stations and associated infrastructure
- Non-Structural Alternatives:
  - Land use zoning and subdivision regulations
  - Construction regulations
  - Municipal purchase or private donation of land for public use
  - Buyout of flood prone structures
  - Flood Early Warning Systems
  - IBWC coordination of operations
  - Watershed management and drainage criteria

Task 9 – Conceptual Hydrologic and Hydraulic Analysis of Alternatives

The ultimate goal of the study is to develop a conceptual array of alternative regional mitigation options and recommend feasible cost-effective solutions to ultimately mitigate flood hazard risks in the Colonias of the LRGV project area. The LRGV alternatives analyzed in this phase will include a maximum of 6 regional solutions that benefit the Colonias. The effects of each alternative scenario and resulting level of flood protection will be analyzed.

9.1. Review and Identification of Flood and Drainage Problem Areas: Following a review of the baseline hydrology and hydraulic information, the problem areas (damage centers) will be classified. Initial identification will be conducted using GIS overlays of flood risk information with appropriate buffer zones. A brief preliminary findings map will be prepared, which will outline the regional problem areas. A list of required field survey data will be identified at critical crossings, channel cross-sections, etc.

9.2. Analysis of Alternatives: Proposed improvements will be conceptually modeled and evaluated utilizing the regional baseline hydrologic and hydraulic analyses. Analysis of proposed improvements will be conducted to accommodate designated flood mitigation criteria to minimize flood hazards and potentially convey floodwaters with the existing or proposed channel easements, roadway right of ways, and designated ponds.

Task 10 – Environmental and Cultural Resources

A cursory desktop environmental high-level constraint assessment will be conducted on the National Environmental Policy Act (NEPA) and other applicable laws, statues, Executive Orders, and regulations. A specific NEPA document will not be prepared as part of this study effort, likewise, field investigations will not be performed. This effort will be based on review of existing available documents to identify critical environmental features that should be considered during the development of alternative mitigation plans. This project will include the consideration of various environmental constraints related to the evaluation of project mitigation alternatives. All efforts will be made to avoid and minimize environmental impacts of the proposed actions. Specific NEPA documentation will be coordinated with state and Federal environmental agencies and the public during the implementation phase.

Task 11 – Previous Scope Task – Exempt

Task 12 – Previous Scope Task – Exempt

Phase 2 Deliverables:

- *Updates to Project Management Plan, which will include the Quality Assurance Plan;*
- *Summary documentation of public meetings held;*
- *Monthly progress reporting*;
- *Regional Analysis - Hydrologic and Hydraulic Technical Memorandums detailing the model methodology, parameters, calibration activities/results, and frequency analyses. This memorandum will also describe the model assessment, comparisons and recommendations areas of risk specific to Colonias.*
- *Regional Analysis – Conceptual Alternatives Analysis Technical Memorandums detailing the model results, alternative analysis, environmental/cultural constraints, and recommendations.*

ENHANCEMENT OPTION – PHASE 3:
Localized Colonia Analyses for 100 Individual Colonias

The purpose of the localized Colonia analyses is to evaluate the localized nature of flooding problems associated with only the highest priority Colonias. Results will include an assessment of flood hazard risks for high priority Colonias utilizing the impacts and capacities of the regional drainage systems as identified in Phase 2. Following identification of drainage issues, development and evaluation of flood mitigation alternatives, both structural and non-structural, necessary to address the flooding problem will be recommended.

The population information obtained for this study indicates the total population within the top 100 high priority Colonias is approximately 50,300, which represents approximately 30% of the total LRGV SOS Colonia population. The population statistics for the top 100 Colonias were used to identify that the top 100 Colonias represent almost 70% of the Colonias with a population greater than 1000 and nearly 45% of the Colonias with a population between 500 and 1000.

Following approval of Phase 2 deliverables, Phase 3 analyses shall be performed on a minimum of 100 high priority (high risk of flooding) Colonias. Hydrologic and hydraulic methodologies will be evaluated and recommended to best analyze localized flooding problems in each Colonia. Individual Colonias located within the floodway and those flooded solely due to inadequacies of the regional drainage system will have limited mitigation options. Analyses will be conducted to reflect drainage conditions for existing and future land use conditions and selected storm frequency scenarios.

Phase 3 will also consist of the development and evaluation of flood mitigation alternatives, both structural and non-structural, necessary to address identified flooding problems. Flood mitigation alternatives will be evaluated based upon the technical feasibility of each proposed alternative, its cost effectiveness, and the probability of the proposed alternative to be implemented. Phase 3 study tasks shall include the following:

Task 1 – Phase 3 Project Management, Contract Administration, and Meetings

As an extension of Phase 1 -Task 1, the project PMP, and accompanying QAP, will be updated as required in response to project tasks and results of activities.

This task also includes:

- Approximately 10 individual coordination meetings with project stakeholders (Counties, Drainage Districts, Cities, and some individual Colonias) associated with the study
- Monthly project team meetings to communicate project status, results, guidance, etc.
- Three (3) Public meetings to be conducted in the project area. It is anticipated that one (1) additional public meeting will be held in each of the three counties making up the LRGV project area (Hidalgo, Cameron and Willacy counties). These county public meetings will be held as the project progresses to communicate the Phase 3 project's goals and schedule, and solicit buy-in from the public regarding the identification and validation of flooding problems.

Task 2 – Hydrologic Analysis

Development of detailed baseline hydrologic analysis will be performed for each selected "high priority" (high risk of flooding) Colonia and associated contributing drainage area flowing to the Colonia.

2.1. Methodology: Recommend the appropriate and accurate analytical methodology to analyze the hydrologic conditions of the project watershed basins. It is anticipated the recommended GIS-based hydrologic model will include the USACE Hydrologic Engineering Center-Hydrologic

Modeling System (HEC-HMS), as agreed upon with the TWDB. For drainage areas totaling 200 acres or less, the Rational Method may be utilized in lieu of an HEC-HMS model.

2.2. Model Parameters: Develop model parameters for both existing and future land use conditions utilizing information obtained from the LRGVDC and the most recent aerial photography to estimate existing impervious cover. Future land use estimates will be determined through coordination with Regional, City and County staff. Development of parameters will utilize existing GIS data, regional planning data, and use STATSGO or SSURGO soil information to generate hydrologic parameters. The appropriate flood routing will be developed for selected storage areas. Rainfall intensity and storm frequency are important elements in the analysis. Coordination with the USGS and the National Weather Service will aid in developing the most appropriate and accurate rainfall. It is anticipated rainfall Intensity, Duration, and Frequency (IDF) will be determined utilizing the procedures developed by the USGS and presented in the TxDOT Hydraulic Design Manual.

2.3. Frequency Analysis: Hydrologic peak flow rates will be determined for storm frequency recurrence intervals at key locations near the Colonias, as agreed upon by the TWDB. Peak flow rates will be computed for the existing and future 2-, 5-, 10-, 25-, and 100 year events. Results will be compared to existing data (FIS, USGS) if available. Computed peak flow rates will then be used in the hydraulic model as described in Task 6. The frequency intervals less than the 100-year event will serve as the level of service target on which all mitigation alternatives will be based. The 100-year event will be analyzed for the purpose of understanding what type of flooding can be expected during a major storm event. The project team, based on years of LRGV experience, has come to the general understanding that designing mitigation alternatives for the 100-year event would be difficult to attain.

Task 3 – Hydraulic Model Development

Upon completion and approval of Task 2 (Hydrologic Analysis), development of detailed baseline hydraulic analysis will be performed for each project area watershed.

3.1. Methodology: Recommend the appropriate and accurate analytical methodology to analyze the hydraulic conditions of the project conveyance systems. It is anticipated the recommended GIS-based hydraulic model will include the USACE Hydrologic Engineering Center-River Analysis System (HEC-RAS), as agreed upon with the TWDB. In areas of multi-directional flow, unsteady HEC-RAS simulations will be considered. It is anticipated underground storm drains will be analyzed utilizing standard procedures (Manning's Equation).

3.2. Model Parameters: Hydraulic model parameters and other modeling assumptions will be based on field visits, county maintenance practices, engineering judgment, and as agreed upon by the TWDB and the engineer. Roughness coefficients (Manning's n-values) will be developed utilizing GIS overlays and supplemental field observations. For this localized evaluation, downstream conditions to the main drainage systems will utilize the Phase 2 capacity results.

3.3. Field Surveys: Field survey will need to be collected pending the review and identification of problem areas, especially in areas that are unstudied or are known to be outdated. In general, field survey efforts will be concentrated through specific problem areas. Field surveys will be taken on the Texas State Plane coordinate system (US foot), NAD 83 horizontal and NAVD 88 vertical datum, in accordance with the best available topographic information (LiDAR) compiled in Phase 1. Existing survey data will be converted as necessary so that it is comparable to data collected as a part of this study. It is anticipated that structure finished floor elevation will be approximated using windshield survey and LiDAR topography.

3.4. Flood Profiles: Computed flood elevations/hydraulic grade lines will be developed under the various storm frequencies and development condition scenarios analyzed under the hydrologic modeling task. Flood profiles for the 2-, 5-, 10-, 25-, and 100-year frequency storm events will be developed for the existing and future localized conditions. Flood hazard areas determined during the information/data review task will be compared against modeled flooding areas. The frequency intervals less than the 100-year event will serve as the level of service target on which all mitigation alternatives will be based. The 100-year event will be analyzed for the purpose of understanding what type of flooding can be expected during a major storm event. The project team, based on years of LRGV experience, has come to the general understanding that designing mitigation alternatives for the 100-year event would be difficult to attain.

Task 4 – Establish Flood Protection Criteria

4.1. Criteria and Evaluation: Federal, state and local flood protection criteria will be compiled to establish recommended criteria. The TWDB will review and approve the project specific criteria and evaluation measures to be used in the development and assessment of various flood mitigation alternatives, and under which scenarios should alternatives be considered. An assessment of drainage criteria for each Colonia will be performed. Several scenarios will be evaluated based on the following criteria:

- Minimize flood hazards
- Economical (Benefit to Cost ratio)
- Federal criteria
- Neighborliness (Are we pushing our problem on someone else?)
- Public Acceptance
- Review of Alternatives for Evaluation

4.2. Alternatives: Flood protection measures to be considered may include the following structural and non-structural measures as independent or combination solutions:

- Structural Alternatives:
  - Detention/Retention ponds
  - Diversions, canals, levees, and reclamation
  - Elevate flood prone structures
  - Improved channels: flood control and erosion protection
  - Improve channels: dredging and clearing
  - Improved bridges/culverts
  - Stormwater collection systems
  - Pump stations and associated infrastructure
- Non-Structural Alternatives:
  - Land use zoning and subdivision regulations
  - Construction regulations
  - Municipal purchase or private donation of land for public use
  - Buyout of flood prone structures
  - Flood Early Warning Systems
  - Watershed management and drainage criteria

Task 5 – Hydrologic and Hydraulic Analysis of Alternatives

The ultimate goal of the study is to identify an array of alternative mitigation options and recommend one (1) feasible cost-effective solution to mitigation flood hazard risks for each of the 100 high priority Colonias. The effects of each alternative scenario and resulting level of flood protection will be analyzed.

5.1. Review and Identification of Flood and Drainage Problem Areas: Following a review of the baseline hydrology and hydraulic information, the problem areas (damage centers) will be classified. Initial identification will be conducted using GIS overlays of flood risk information with appropriate buffer zones. A brief preliminary findings map will be prepared, which will outline the specific problem areas for each Colonia. A list of required field survey data will be identified at critical crossings, channel cross-sections, slab elevations, etc.

5.2. Analysis of Alternatives: A proposed improvement will be modeled and evaluated utilizing the baseline hydrologic and hydraulic analyses for each Colonia. Analysis of proposed improvements will be conducted to accommodate designated flood mitigation criteria to minimize flood hazards and potentially convey floodwaters with the existing or proposed channel easements, roadway right of ways, and designated ponds. The team will develop baseline alternatives where appropriate for critical drainage structures within the problem areas based on the 2-, 5-, 10-, and 25-year frequency storm events as the design standard.

Task 6 – Environmental and Cultural Resources

A cursory desktop environmental constraint assessment will be conducted on the National Environmental Policy Act (NEPA) and other applicable laws, statues, Executive Orders, and regulations. A specific NEPA document will not be prepared as part of this study effort, likewise, field investigations will not be performed. This effort will be based on review of existing available documents to identify critical environmental features that should be considered during the development of alternative mitigation plans. This project will include the consideration of various environmental constraints related to the evaluation of project mitigation alternatives and the selection of a recommended alternative plan for implementation. All efforts will be made to avoid and minimize environmental impacts of the proposed actions. Specific required NEPA documentation will be coordinated with state and Federal environmental agencies and the public during the implementation phase.

Task 7 – Cost Effectiveness Analysis of Alternatives

It is anticipated that the use of FEMA's Flood Module Benefit Cost Analysis (BCA) software will be used to evaluate proposed alternatives. FEMA's BCA software provides for a comparison of the existing condition hydrology and hydraulic data compared to the proposed condition hydrology and hydraulic data. This data, combined with specific data regarding people, property, and infrastructure at risk, results in an estimated savings (avoided damages) from implementation of each of the alternatives. The data required to perform a BCA will be incorporated into the technical memorandum requirements to ensure the results of the study provide the data needed to perform the BCA for each alternative. Using FEMA's BCA software significantly increases the likelihood of identifying alternatives that have a viable funding source; thus making the study recommendations more likely to be implementable.

Phase 3 Deliverables:

- *Updates to Project Management Plan, which will include the Quality Assurance Plan;*
- *Summary documentation of three (3) public meetings;*
- *Monthly progress reporting*;
- *Local Colonia Specific Analysis - Hydrologic and Hydraulic Technical Memorandums describing the model methodology, parameters, calibration activities/results, and frequency analyses. This memorandum will also describe the model assessment, comparisons and recommendations for Phase 2 alternative analysis.*

- *Alternatives Analysis Technical Memorandums detailing the procedures/methodology for alternative analysis, environmental/cultural constraints, cost estimates, benefit-cost analysis (BCA), and recommendations.*
- *Colonia Assessment Fact Sheets will be developed for each Colonia. These Fact Sheets will define the flood problem and briefly explain the hydrology and hydraulic analysis and risk analysis for each selected Colonia. In addition, these assessment Fact Sheets will briefly describe the model results, alternative analysis, environmental/cultural constraints, cost estimates, benefit-cost analysis (BCA), and recommendations per Colonia.*