CITY OF SAN ANTONIO
CITY MANAGER'S OFFICE

TO: 2022 Drainage & Flood Control Community Bond Committee

FROM: Rod Sanchez, Assistant City Manager

COPY: Erik Walsh, City Manager; Executive Leadership Team; Razi Hosseini, Public Works Director; Nefi Garza, Public Works Assistant Director; Luis Maltos, Public Works Assistant Director; Anthony Chukwudolue, Public Works Deputy Director; Christie Chapman, Public Works Assistant Director

DATE: **November 16, 2021**

SUBJECT: **2022 BOND DRAINAGE AND FLOOD CONTROL BOND COMMITTEE REQUESTED INFORMATION**

This memo addresses requests for information from Committee members from the Drainage & Flood Control 2022 Community Bond Committee meeting held on November 10, 2021.

Committee Member(s) Requests

Woodlawn Lake Outfall Project: Committee member Bianca Maldonado (District 7) requested an update about the Woodlawn Lake Outfall project. Ms. Maldonado stated the project was listed at $500,000 in the FY2020 Budget.

As part of the adopted FY 2020 Budget, $300,000 was approved for Woodlawn Lake Park for replacing the pool filtration system and resurfacing. Funds were not included in FY 2020 for Woodlawn Lake Dam. As part of the adopted FY 2021 Budget, funds in the amount of $350,000 were approved to complete a Preliminary Engineering Report (PER).

The PER will include an analysis of:

1. Potential modifications to the existing spillway and downstream assessment.
2. Recommendations for the dam structure.
3. Dam breach analysis to the existing and proposed spillway systems and any further analysis to the Woodlawn Lake upstream drainage system.

The PER study will not impact the storage capacity or conveyance of the FEMA regulatory floodplain. This study is necessary as a requirement for TCEQ regulatory standards for dam hazard classification. Staff is anticipating the draft version of the Breach Analysis report in December 2021 and the Final PER in October 2022.

Attachment (1) – For additional reference, provided is the current project quad sheet related to Woodlawn Lake Dam Study.

Kampmann Boulevard Flood Control: Several residents signed up to speak and Committee member Bianca Maldonado (District 7) requested information regarding the options for flood control projects in the Kampmann Boulevard area. The project options recommended to supplement the previously constructed Laddie Place detention ponds are summarized below.

1. ***Modification of Laddie Place Phase 1 & 2 Ponds -*** The design and construction of detention ponds maximized their benefit within the given space constraints. The potential for modifying Laddie Place Phase 1 and 2 Ponds to provide a significant positive impact downstream is limited. Expanding the Laddie Place Phase 2 detention pond, east of the current limits, would require the acquisition of a parcel with occupied buildings to add 35 to 40 acre-feet of potential storage. The Laddie Place Phase 1 detention pond could be deepened slightly while maintaining gravity flow functionality at the pond outfall; however, the additional depth would likely provide nominal additional storage.

2. ***San Antonio Housing Authority Basin Expansion*** - The existing San Antonio Housing Authority (SAHA) detention pond ties into the Kampmann drainage system downstream of Laddie Place Phase 1. About 5 acre-feet of storage could be added to the pond by expanding further into the SAHA property. However, the added storage would not have any apparent positive impact on the drainage issues along Kampmann Boulevard.

3. ***Quentin Street Detention*** - A lot located on the corner of Quentin Street and Fredericksburg Road could potentially be used for detention. The site is used for overflow parking for the property across Quentin Street. Approximately 18 acre-feet of storage could be added to this lot but there would only be a slight improvement to the Kampmann system. This option may also require substantial infrastructure improvements between the pond and the existing Kampmann system. The Quentin Street lot combined with the SAHA basin expansion is anticipated to have minimal impact.

4. ***Reconstruction of Kampmann Underground Storm Drain System*** - Reconstruction of the existing Kampmann underground storm drain system to increase its capacity. A variation of this option was explored as part of the Upper Woodlawn Lake Drainage Study completed on September 27, 2012, by AECOM. This study would need to be reevaluated and updated with Atlas 14, updated topography, and updated hydrology and hydraulics modeling.

   Currently, an updated preliminary engineering report (PER) is being proposed and Bexar County is planning to complete the PER. The PER will evaluate these proposed options outlined above.

   Attachment (2) **–** For additional reference, provided is the current project quad sheet related to the Kampmann Area Drainage study.

Green Infrastructure: District 2 Committee members requested information about green infrastructure and 2022 Bond projects.

Projects located in a water quality zone identified by the San Antonio River Authority will be scoped to include green infrastructure. Exact improvements have not been identified, as their design will depend upon the evaluation by the selected design team while they cross-reference right of way, utilities, drainage concerns, proposed typical cross-sections, bike and pedestrian access, and all other project needs. For ease of reference, summarized below is the list of recommended 2022 Bond drainage projects located in the water quality zone. The updated project scoring sheets provided to the committee members during Meeting #2 also denotes which projects are in the water quality zone.

Recommended 2022 Bond Drainage Projects Located in SARA Water Quality Zone	
Project	**Council District**
Elmira (Camaron Street from Cadwallader to Santa Rosa St.)	1
Brookside Outfall (Esma Phase 2) Lebanon Street to San Antonio River)	3
S. Pine Phase 2 (Greer St, Vanderbilt St, S. Palmetto St, and Piedmont Ave)	3
Cumberland Area Drainage Improvement (Nogalitos to Frio City Road)	5
Broadview & Oakwood Drainage Improvements Phase 1 (Broadview and W. Quill Drive)	7
Gardendale (Wurzbach to Bluemel)	8
Evans Road Drainage Improvements (East Elm Creek to Masonwood)	9
Perennial Area Drainage (Heimer to Dutch Myrtle)	9
Eisenhauer Northwood Devonshire Area Drainage Ph IA (Pike from Albin to Brookside)	10

Public Safety Project Scoring: Committee member Andrea Narendorf (District 2) requested information about the Peggy Drive Drainage project and its public safety score. Similarly, Committee member Bianca Maldonado (District 7) asked about Seeling Channel project and its public safety score, which should be considered higher. Why is it six and not higher?

Public Health and Safety covers a broad spectrum of community access needs, including access to healthcare and wellness facilities (buildings), access to open space/parks, air quality, and green infrastructure. In terms of access, residential areas generally have fewer improvements that impact accessibility, whereas major thoroughfares are more likely to improve this accessibility. Both the Seeling Phase 4 and Peggy Road project are in residential areas. The scoring matrix for Resiliency more appropriately captures access for emergency response and flood risk.

Alley Maintenance: Several residents and committee members want to know more about alley maintenance and flood control, specifically what are other possible funding sources?

There are two types of alleys in the City of San Antonio:

- Service Alleys are used for trash collection. They are paved and maintained by the City of San Antonio Public Works Department through an annual improvement plan funded by annual adopted budget.

- Non-Service Alleys are alleys or utility easements that are not used for trash collection or might only be used for utility maintenance. These alleys are unpaved and should be maintained by the

adjoining neighbors. Property owners are responsible for maintaining half of the alleyway or utility easement behind their homes. As complaints are submitted by citizens or the Council District regarding alleys, they undergo investigation by Stormwater Engineering. If an alley shows signs of rutting or ponding, it is eligible for inclusion on the Non-Service Alley program list. As funding becomes available, an alley would have the first 3 inches of soil removed and replaced with 3 inches of base material with minimal regrading.

Barbara Drive Drainage Project: Residents signed up to speak asked if the staff could provide information about Barbara Drive Phase 3 to show how many homes would be removed from the floodplain.

Upon project completion, this project will remove 90-100 homes from the FEMA regulatory 100-year floodplain. The exact number of homes removed from Phase 3 will not be known until the project is designed and proposed improvements are studied with previous enhancements.

The Beechwood Lane Storm Drainage System can be constructed after Barbara Drive Phase 4 is completed. In addition to the Beechwood Lane Storm Drainage System, El Montan could potentially be funded through the City's annual operating or capital budgets as a street reconstruction project in future years. The cost for the reconstruction of El Montan is $1.5 million. (Quad Sheet included)

Attachment (3) – For additional reference, provided is the project quad sheet related to the Beechwood project.

Annie Street Area Flooding: Residents of Annie Street that signed up to speak stated they previously met with Storm Water Flood Control Manager Robert Reyna about flood mitigation in the Annie Street area and requested an update. Annie Road cannot be completed until Shook Road has been constructed, which resides in the City of Olmos Park. As part of the adopted FY 2022 Budget, $400,000 was approved for an interim project that will alleviate some of the flooding in this neighborhood. The project should be complete by Summer 2023.

Attachment (4) – For additional reference, provided is the project quad sheet related to Annie Road Drainage and Shook Road Drainage Improvement projects.

2017 Bond Requested Unfunded Projects: Committee member Bianca Maldonado (District 7) requested cost information about all District 7 unfunded projects requested in the 2017 Bond and all projects requested by residents at the 2022 Bond Committee meeting on November 10, 2021.

As part of the response memo for Meeting #1, Attachment D was provided, which listed all the unfunded project requests by residents received during the 2017 Bond committee meetings process. Added to this list was a column denoting the request's status, i.e., whether the project was addressed, proposed to be addressed, or considered a future drainage project.

Attachment (5) – Provided is the copy of Attachment D – Unfunded New Drainage Project Requests followed by a summary of the scoring results based on current project evaluation criteria and the associated project quad sheets for the projects reflected on Attachment D. Note: Costs on each sheet are not indicative

of today's costs, as current unit prices and/or inflation from the project creation date have not been applied. Updated costs can be provided for projects identified as prioritized project consideration.

Staff is currently compiling a list and reviewing the proposed project requests received during the November 10, 2021 drainage committee meeting and will provide the list with associated project information at the next Drainage Committee meeting scheduled for December 1, 2021.

Project Information Quad Sheets for 2022 Bond Projects: Committee member Andy Greene (District 6) requested quad project sheets for all 2022 scored projects.

Attachment (6) – Provided are the associated project quad sheets for all the 2022 Bond Projects considered and scored. Note: Costs on each sheet are not indicative of today's costs, as current unit prices and/or inflation from the project creation date have not been applied. Updated costs can be provided for projects of prioritized project consideration.

Seeling Channel Update: Committee member Bianca Maldonado (District 7) requested a response from Public Works staff regarding the improvements on Seeling Channel (Phases 1, 2, 3, and 4) will not have an adverse impact along Kampmann and downstream areas.

Halff Associates is currently developing a Preliminary Engineering Report (PER) for Seeling Channel Phase 4 Project. A draft report was submitted on November 1, 2021. This report noted that the project would be located within the City of San Antonio regulatory floodway. Per the Unified Development Code for the City of San Antonio, downstream impacts within the first 2,000 feet for development and capital projects must be modeled to demonstrate a 0.0' rise in water surface elevation outside of the City of San Antonio right of way (ROW). This means a Conditional Letter of Map Revision (CLOMR) will be required before construction. The CLOMR will need to show that the project does not produce any adverse impacts outside the city right-of-way. A CLOMR is issued before a project enters construction, meaning that Seeling Channel Phase 4 will need to demonstrate no adverse impacts before construction. In addition, modeling for the project considers the ultimate build-out for the watershed, which is the most conservative approach for considering downstream, has implications as it assumes that the upper watershed would have a maximum impervious cover. Preliminary results for the project indicate a reduction in hydrologic flows and water surface elevations downstream of the project. Final impacts will be available at the completion of the PER.

Eisenhauer Drainage Project & Phased Drainage Projects: Committee member Paul Royal-Priest (District 10) asked about the Eisenhauer Road Drainage project regarding how many phases are needed and its cost. He additionally requested a list of all the phased drainage projects recommended for the 2022 Bond.

Eisenhauer Drainage Project

The Eisenhauer Road drainage project Phase 1 was funded through the 2017 Bond Program and the proposed 2022 Eisenhauer Northwood Devonshire Area project is Phase 1A is estimated to cost $11,150,000 to complete. Following the completion of Phase 1A, there is anticipated to be Phase 2 estimated to cost about $13,000,000.

Phased Drainage Projects
The proposed 2022 Bond drainage projects that are phased include Seeling Channel Phase 4, Barbara Drive, Eisenhauer Road Drainage, Evans Road Drainage, Medina Base, South Pine, Broadview, Esma Phase 2 (Brookside) and Oak Haven Area Street and Drainage Improvements (Kentwood Phase 2).

Concepcion Creek Drainage/Flood Control: Committee member Gabriel Gonzales (District 5) inquired about the Concepcion Creek drainage project, specifically how many homes are impacted, whether bond funds be used to help, is there a plan or study to address drainage issues.

A Preliminary Engineering Report (the study that created the master plan) was completed in November 2020. During a 100-year rain event, it is estimated that 3,600 structures on 1,400 properties would be impacted. A Master Plan to deliver a $100,000,000 project has been created that proposes the project be completed in three phases. The design of Phase 1 is ongoing and will be presented to the public next year as a potential 2027 Bond Project.

Public Comment

Attachment (7) are the Drainage & Flood Management public comments submitted through the SA Speak Up Portal from Monday, November 8th – 12:00 P.M. Monday, November 15th.

Additional Questions

Additional questions from the Committee were sent to City Staff via email after the two community committee meetings on October 28 and November 10. These questions and responses are reflected below.

Eisenhauer Northwood Devonshire Area – Committee member Paul Royal Priest (District 10) requested a status of the 2017 bond project Eisenhauer Northwood Devonshire Area include estimated cost to complete, name of contractors and point of contact for the project.

The proposed 2022 Eisenhauer Northwood Devonshire Area project is estimated to cost $11,150,000 to complete. The current Eisenhauer 2017 project is in construction and the contractor is Capital Excavation. Public works contacts are Chris Alonso (Project Manager) and Richard Casiano, Sr (Capital Projects Officer).

Mud Creek Park Neighborhood – Committee member Paul Royal Priest (District 10) requested more information on how the Mud Creek Park neighborhood can address drainage concerns and mitigate flooding risks in the area that reaches down to Thousand Oaks Street.

Mud Creek Park is in the floodplain and it is intended to flood to Thousand Oaks. To address accessibility to the park's parking lot, one option could be the installation of the culvert underneath the entrance driveway. If the Committee is interested in a potential project staff can devise a potential scope and budget provided additional information from Committee on what they intend to address.

Mandatory Detention Area – Committee member Julie Magadance (District 9) requested the definition

of Mandatory Detention Area and how that designation impacts drainage projects, referring to (Drainage Response Memo #1 Attachment F).

Mandatory Detention areas are zones around the city where development is required to construct a detention pond on-site as a form of mitigation. These locations have been identified as hydrologically sensitive. Thus, this form of mitigation is the only option. Areas outside these zones don't mean detention is not required, only that other forms of mitigation can or may be done. Mitigation is a must across the city.

Approximate Street Location for Recommended Drainage Projects – Provide approximate location by street address intersection for each of the 19 Drainage & Flood Control projects.

The project names include the associated project limits and location of the recommended 19 drainage projects. The revised proposed drainage and flood control improvement projects list handed out to all committee members during Meeting #2 provides a complete list of projects, including limits (as appropriate) including updated scoring sheets which may also be helpful to committee members understand the scope of work recommended to be completed in the subject area.

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

ATTACHMENT (1)
PROJECT SUMMARY SHEET

Updated: 3/9/2020

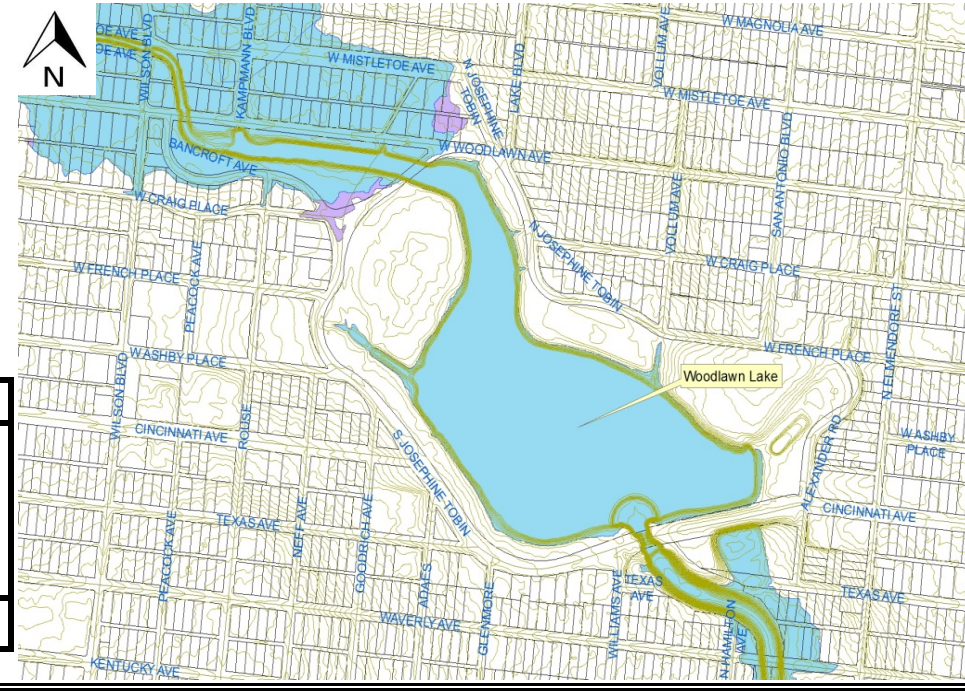
Project Name: Woodlawn Lake Dam Analysis

Council District: 7

Project Limits: Woodlawn Lake Dam

Watershed: San Antonio River

Potential Project #: 2267.01



Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
		-
		-
		-
		-
Total Funding		$ -

Cost Information

Category	Cost
Design	
Real Estate	
Environmental	
Miscellaneous	
Construction	
Total Cost*	$350,000

*Rounded up to the nearest thousand

Project Description

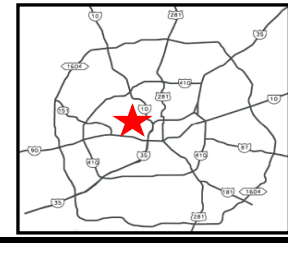
The existing Woodlawn Lake Dam weir structure is not able to safely convey flows during a Probable Maximum Flood (PMF) event. The City is requesting a Preliminary Engineering Report (PER) to include an analysis and modifications to the existing spillway, along with a downstream analysis. The study should have recommendations to the dam structure to convey PMF flows (including a dam breach analysis to the existing and proposesd spillway systems); to the downstream channel; and any further analysis to the Woodlawn Lake upstream drainage system including downstream drainage impacts.

Project Type: Drainage

Type of Estimate: Planning

Project Status: Unfunded

Consultant: TBD



ATTACHMENT (2)
PROJECT SUMMARY SHEET

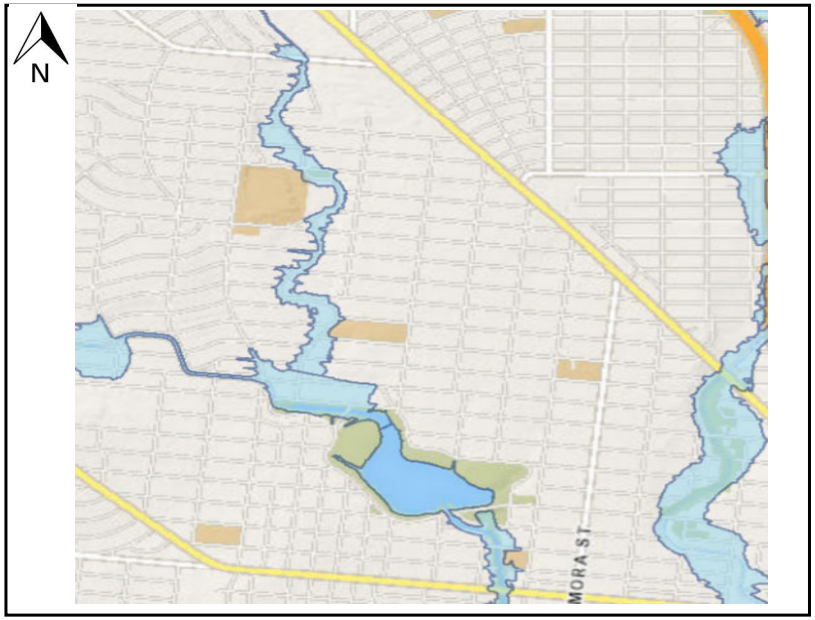
Project Name: Kampann Area Drainage Preliminary Engineering Report

Council District: 7

Project Limits: Babcock Rd to Woodlawn Lake

Watershed: San Antonio River

Potential Project #: 2784.01



Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
		-
		-
		-
		-
Total Funding		$ -

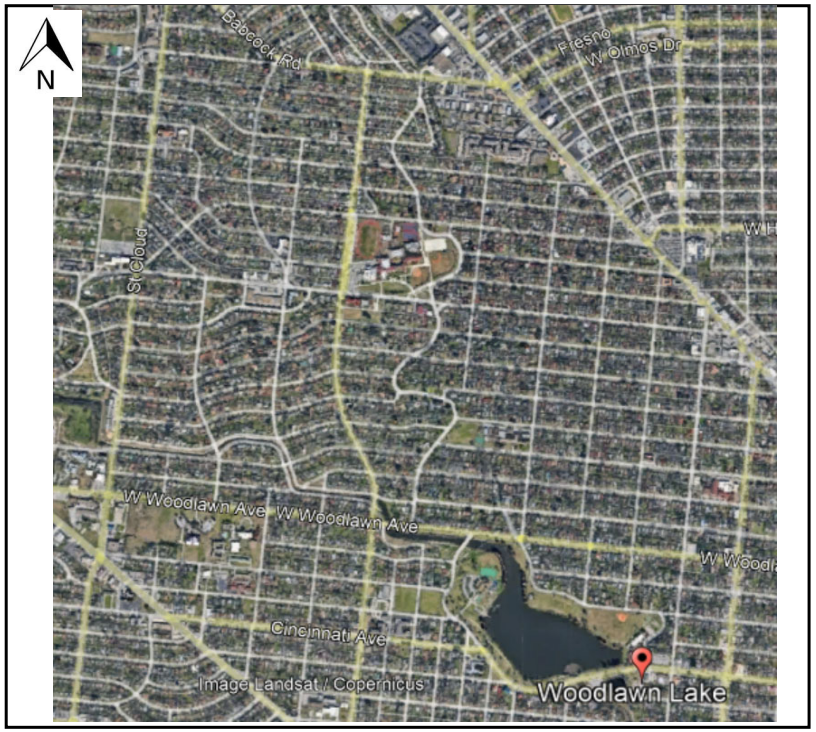
Cost Information

Category	Cost
Design	$350,000
Real Estate	$0
Environmental	$0
Miscellaneous	$0
Construction	$0
Total Cost*	$350,000

*Rounded up to the nearest thousand

Project Description

A study conducted by AECOM in 2012 proposed several improvements in the Upper Woodlawn Lake watershed to mitigate flooding, reduce the 100-year floodplain and make streets more passable during rain events. This project proposes a Preliminsary Engineering Report to review the improvements in the 2012 AECOM report to determine if the options are still viable based on updated information. Necesary updates to the 2012 study include Atlas 14 rainfall, current unit costs, updated topography, and updating hyrdology and hydraulic modeling. This study is necesary to determine what, if any, future projects are viable for flood reduction along Kampann Road.

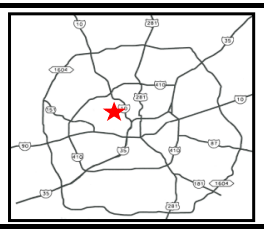


Project Type: Drainage

Type of Estimate: Planning

Project Status: Unfunded

Consultant: TBD



CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

ATTACHMENT (3)
PROJECT SUMMARY SHEET

Updated: 7/15/2019

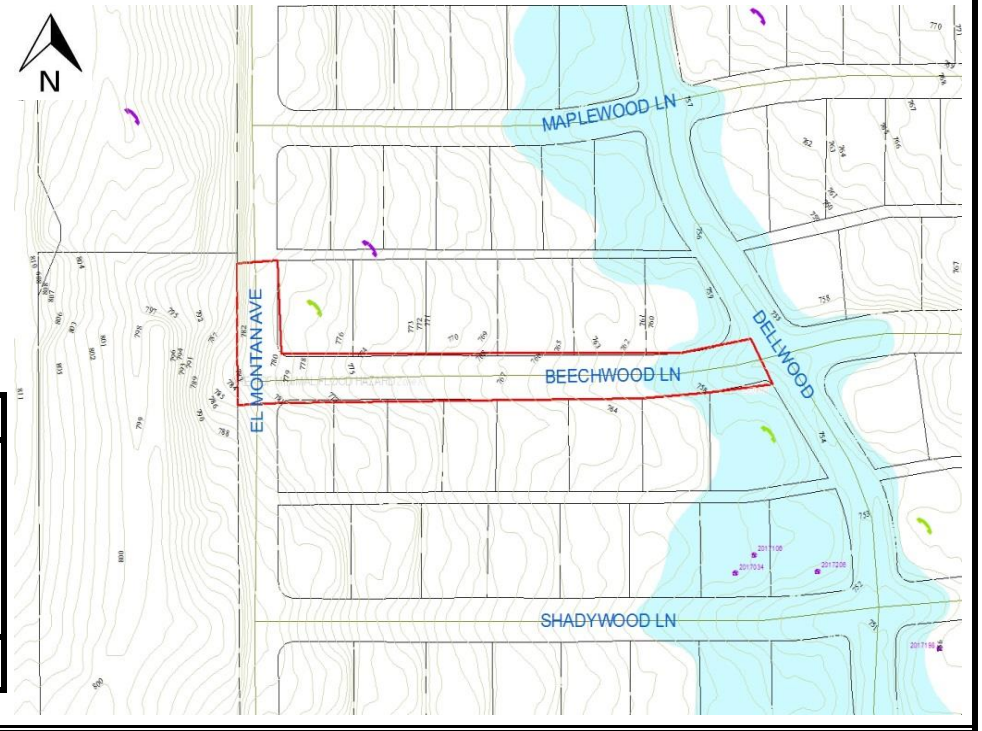
Project Name: Beechwood Lane Drainage Improvements

Council District: 7

Project Limits: Beechwood Ln from El Montan to Dellwood

Watershed: San Antonio River

Potential Project #: 2586.01



Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
		-
		-
		-
		-
Total Funding		$ -

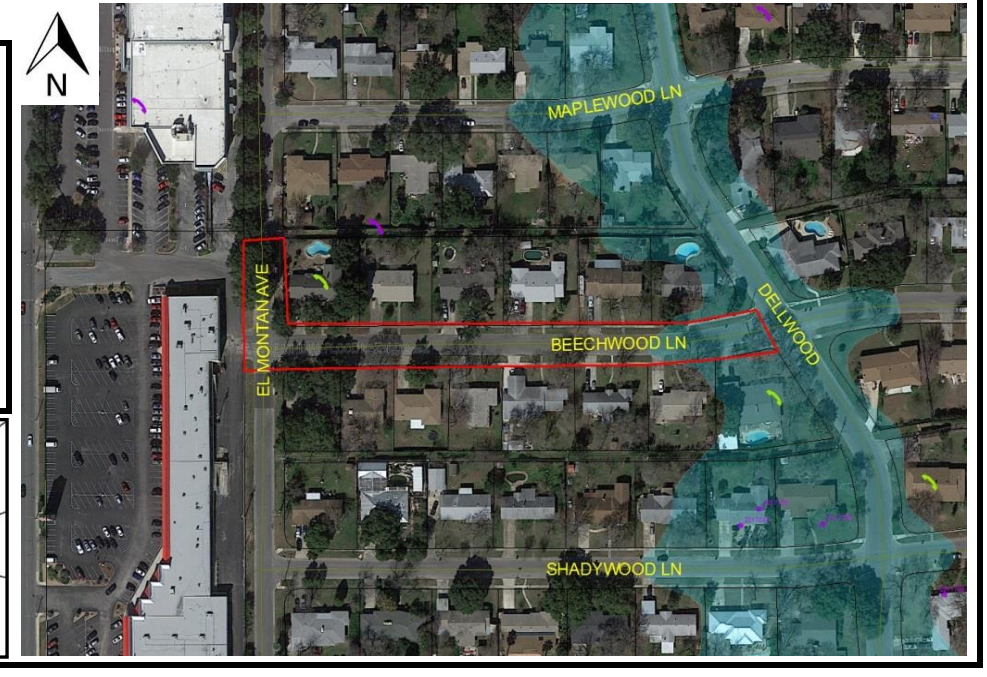
Cost Information *

Category	Cost
Design	$212,125
Real Estate	$62,328
Environmental	$50,400
Miscellaneous	$21,280
Construction	$1,592,814
Total Cost*	$1,939,000

*Rounded up to the nearest thousand

Project Description

Installation of underground strom water drainage system to convey runoff contributed from west of San Pedro Avenue to the existing drainage system in Dellwood (reference Barbara Drive Drainage Project 73-B). Contributing drainage area is between 40 and 50 Acres.Drainage system is expected to include up to 100 linear feet (l.f.) of curb opening inlets and more than 800 l.f. of reinforced concrete pipe (RCP). Maximum pipe diameter is expected to be sixty inches (60").Proposed system will connected into the existing Barbara Drive storm drainage system under Dellwood Street. At the point of connection the existing system includes 1- 7' x 8' and 2 - 9' x 6' box culverts.

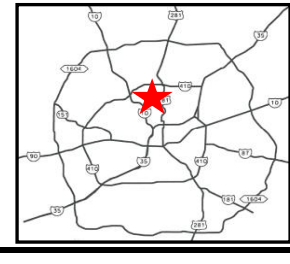


Project Type: Drainage

Type of Estimate: Planning

Project Status: Unfunded

Consultant: TBD



* Costs have not been updated with current unit costs and/or inflation from date of project creation

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

ATTACHMENT 4
PROJECT SUMMARY SHEET

Updated: 11/14/2021

Project Name: Shook Ave

Council District: Olmos Park

Project Limits: Shook Ave from South of E Melrose Dr to outlet at Tributary to Olmos Creek

Watershed: San Antonio River

Future Project #: 1068.01

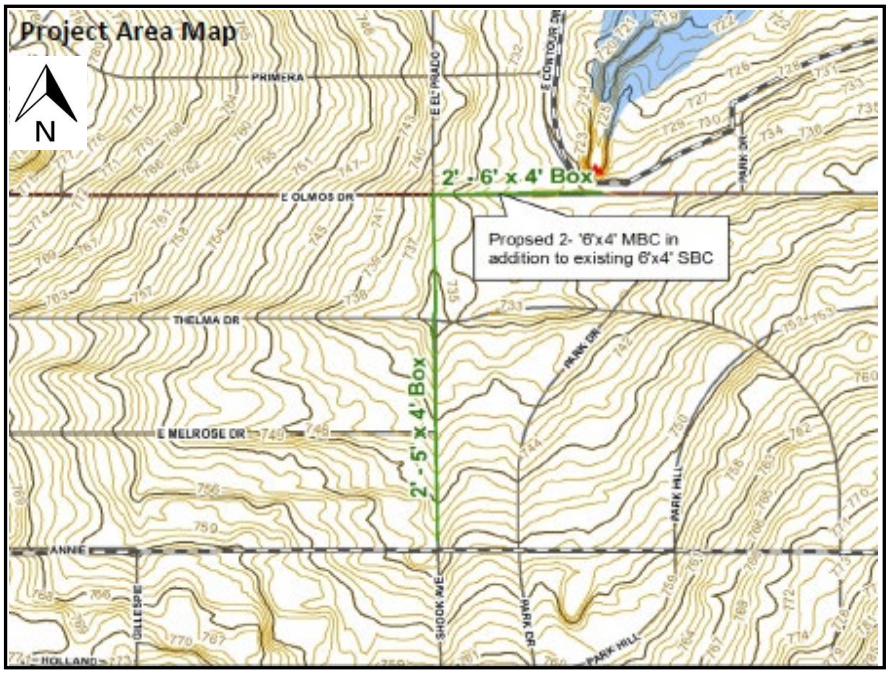
Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
		-
		-
		-
Total Funding		$ -

Cost Information

Category	Cost
Design	$1,182,590
Real Estate	$0
Environmental	$119,900
Construction	$5,993,319
Total Cost*	$7,300,000

*Rounded up to the nearest ten thousand



Project Description

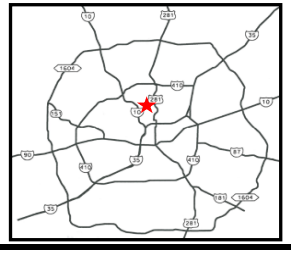
The project will consists of street and drainage improvements to Shook Ave including upgrades to the underground drainage system and street reconstruction that includes curbs, sidewalks, approaches and drainage inlets. The underground drainage system will include 2-5'X4' MBC along Shook Ave from Melrose Dr to Thelma Dr and transition to 3-6'X4' MBC from this point to the outfall at Tributary to Olmos Creek. Outfall treatment of trash and floatables is possible along with sand filter for water quality. Additional connectivity could be achieved by tying new sidewalks to the park trail system.

Project Type: Drainage

Type of Estimate: Planning

Project Status: Unfunded

Consultant: TBD



CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

ATTACHMENT 4
PROJECT SUMMARY SHEET

Updated: 11/15/2021

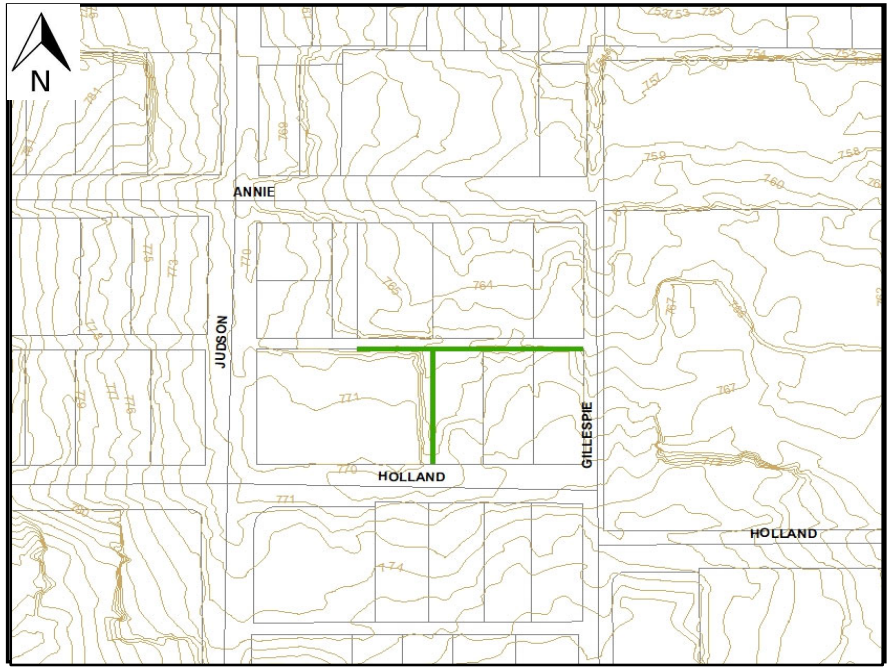
Project Name: Annie Area Interim Drainage Improvements

Council District: 1

Project Limits: Annie Avenue, Holland Avenue, and its alley between Judson St to Gillespie St

Watershed: San Antonio River

Future Project #: 2773.02



Funding Information

Fund	Year	Amount
FY 2022 SW Operating		$ 400,000
		-
		-
		-
Total Funding		$ 400,000

Cost Information

Category	Cost
Design	$30,000
Real Estate	$0
Environmental	$10,000
Construction	$360,000
Total Cost*	$400,000

*Rounded up to the nearest ten thousand

Project Description

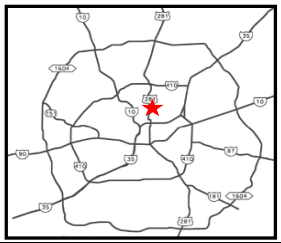
The resident at 219 Holland, as well as several residents along the 200 block of Annie are experiencing nuisance flooding stemming from the drainage easement located between 203 and 219 Holland and the alley located between Annie and Holland from Judson St to Gillespie St. Issues are occurring from the obstruction of runoff by a sidewalk bridge that crosses the drainage easement on Holland Ave, the undersized drainage channel from Holland Ave to the alley, and the overgrown and uneven alley between Holland Ave and Annie Ave preventing conveyance of water from the drainage easement. This interim solution will replace the sidewalk bridge on Holland Ave, add curbs in front of 219 Holland Ave, grade the channel and provide support for the channel wall along 219 Holland Ave, grade the alley between Holland and Annie, and install a berm in the alley as needed to prevent inundation of the backyards of houses abutting this alley.

Project Type: Drainage

Type of Estimate: Planning

Project Status: Design

Consultant: Maestas



CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

ATTACHMENT 4
PROJECT SUMMARY SHEET

Project Name: Annie Area Drainage Project

Council District: 1

Project Limits: Along Holland Ave. from Judson St. to Gillespie St. and along Gillespie St. from Holland Ave. to end of existing channel North of Annie Ave. Along E Melrose Dr. from Judson St. to Shook Ave.

Watershed: San Antonio River

Future Project #: 2773.01 **2022 Bond #:** xx

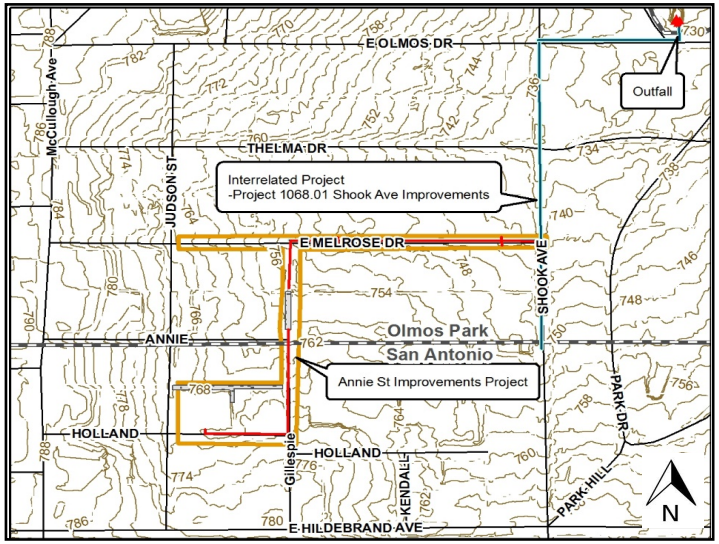
Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
		-
		-
		-
Total Funding		$ -

Cost Information

Category	Cost
Design	$1,065,052
Real Estate	$770,155
Environmental	$107,118
Construction	$4,867,848
Total Cost*	$6,820,000

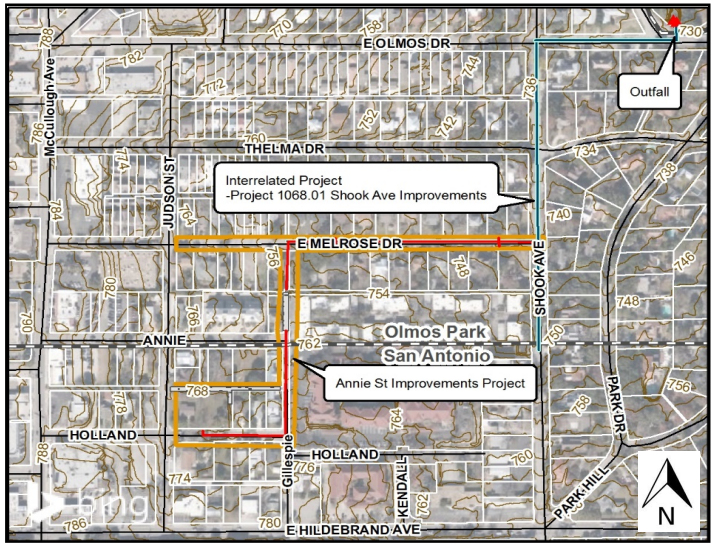
*Rounded up to the nearest ten thousand



Project Description

Holland Ave. and Judson St. drain to existing earthen channel within an alley between residential parcels. Existing flows exceed the capacity of the channel causing flooding on adjacent parcels. This project will consist of channel reconstruction, street reconstruction and new underground drainage systems to contain the 5-yr and 25-yr ultimate flows. Drainage naturally flows North and existing downstream infrastructure crosses into the City of Olmos Park. Therefore, no alternatives evaluated eliminated the need to cross over into another City.

This project will eliminate flooding on parcels between Holland Ave. and Annie Ave. The proposed channel, North of Annie Ave., provides a 25-year conveyance design. The downstream storm drain system on E. Melrose Dr. will need to be upsized to the 25-year design. The project enters the City of Olmos Park jurisdiction North of Annie Ave. The project East of E. Melrose Dr. will connect to the potential future drainage project on Shook Ave. project (No. 1068.01) which is not currently funded.

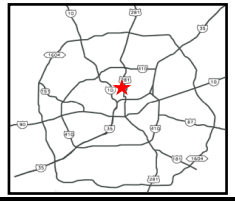


Project Type: Drainage

Type of Estimate: Planning

Project Status: Unfunded

Consultant: TBD



ATTACHMENT (5)

Unfunded Drainage Project Requests						
District	**Project Name**	**Citizen's Name**	**Summary of Comments/Project Scope**	**Potential Approach to Address Citizen's Concern**	**Total Requested Amount**	**Status**
Project Follow Ups & Alternative Funding Approaches						
1	Capitol St. Drainage Project	Patricia Hernandez/Priscilla Pina	Street flooding on W. Kings Highway	Project could potentially be phased into a $1.9M project that will address issues on W. Kings Highway	$ 1,900,000.00	Future Drainage Project "Capitol (W.Magnolia) Drainage Project" Developed by Stormwater; estimated cost at $8.9 million (requires further analysis)
1	Waverly Ave. - Williams Ave to Elmendorf	Ramiro Fernandez	Base failure on street and drainage issues along with missing, broken sidewalks	No drainage systems required. Recommend rehabilitating the roadway through Street Bond or IMP.	$ 1,100,000.00	Proposed Street Rehabilitation to be included in FY 2024 Street Maintenance Program.
6	Tallahassee - Low Water Crossings 113-116	Paul Basaldua	Requested removal of multiple low water crossings within the District	City Staff recommending alternative funding to protect against erosion and/or slow the speed of the water	$ 2,100,000.00	Future Drainage Project "LWC No 113-116 and Associated Channel Improvements" Developed by Stormwater; estimated cost at $4million (requires further analysis)
7	De Chantle (Westhill Place)	Frank Fonseca/Cindy Medrano	Requested improvements to be done in alley behind Westhill Place to alleviate discharge coming from adjacent apartment complex.	Potentially be added to De Chantle project for 2017 Bond consideration	$ 6,200,000.00	Future Drainage Project "De Chantle" Developed by Stormwater; estimated cost at $6.2 million (requires further analysis)
7	2352 W. Mulberry	Ted Guerra	Alley resurfacing and regrading within the following boundaries; Woodlawn to St. Cloud, St. Cloud to Babcock, Babcock to Fredericksburg, Fredericksburg to Zarzamora, Zarzamora back to Woodlawn. Citizen has also requested alleys resurfacing in drainage as a result of rainwater run off issues going into the 100 year flood plain	Alleys that are being utilized for solid waste collection can be recommended for inclusion in the Alley Maintenance Program as part of the IMP. For all other alleys the responsibility falls to the adjacent property owners.	$ 7,000,000.00	Service alleys being researched any service alley requiring re-paving will be incorporated into future maintenance program.
7	Overbook Alley	Frank Fonseca/Cindy Medrano	Requesting improvements to be done in the alley behind Overbrook to alleviate the discharge coming from the alley.	Recommending further coordination by SAWS	$ 100,000.00	Determined that coordination needed with SAWS.
10	William Schiller	North New Braunfels	Requests resolution of drainage issues on North New Braunfels.	Additional studies are required.	$ 35,000,000.00	Future Drainage Project "North New Braunfels" Developed by Stormwater; current cost at $35million over multiple phases
2017 Bond Consideration						
6	Pinn Rd. - Low Water Crossing	Paul Basaldua	Cost Estimate to remove low water crossing.	2017 Bond consideration	$ 15,600,000.00	Future Drainage Project "Pinn Road" Developed by Stormwater; current cost at $24million
6	Commerce St. - Low Water Crossing	Paul Basaldua	Cost Estimate to remove low water crossing.	2017 Bond consideration	$ 16,800,000.00	Future Drainage Project "W. Commerce Dr. Area Drainage Improvement" Developed by Stormwater; estimated cost at $50million (requires further analysis)
7	Bexar Street Reconstruction	Luis Nanez	Requesting curbs and sidewalks along Bexar and potential underground drainage system to properly convey storm runoff.	2017 Bond consideration	$ 1,000,000.00	Sidewalks completed on Bexar Street through capital program.
7	Wigwam Dr. Area Drainage Project	David Archibald	Flooding of the church and property.	2017 Bond consideration	$ 1,600,000.00	Determined to be a private property issue
Projects Not Recommended for Bond Consideration						
7	Laddie I & II	Bianca Maldonado	Laddie I & II capacity be increased by deepening existing detention ponds	Project is not recommended for Bond consideration	$ -	Options were evaluated and only viable options were reconstruction of the Kampmann system for an estimated $51million or other systems upgrades along Kampmann at an estimated cost of $40million; further analysis would be required for more updated costs.
7	2803 Fredericksburg Road	Bianca Maldonado	2803 Fredericksburg Rd land owned by SAHA; deepen and widen detention pond	Project is not recommended for Bond consideration	$ -	
7	3300 Fredericksburg Road	Bianca Maldonado	Add detention pond to commercial parking lot along Fredericksburg Rd 3300 Blocks to 2800 Blocks	Project is not recommended for Bond consideration	$ -	
7	I-10 East bound Vance Jackson/access road to Spenser Lane	Bianca Maldonado	Acquisition of land and additional detention ponds created near I-10 east bound Vance Jackson exit and access road running parallel to Spenser Lane (near Laddie II entrance)	Project is not recommended for Bond consideration	$ -	
7	Kampmann Underground Drainage	Bianca Maldonado	Partial reconstruction of Kampmann Underground Drainage to increase capacity from 1600 blocks to 1100 blocks	Project is not recommended for Bond consideration	$ -	
7	Monticello Park/Jefferson/Woodlawn Lake Communities	Bianca Maldonado	Request to add funding for Monticello Park to remove homes from the 100 year flood plain within community	Project is not recommended for Bond consideration	$ -	

ATTACHMENT (5)

Unfunded Project Scoring Based on Current Criteria

Project Name & Project Limits	Proposition	Project Scope	Connectivity	Public Health & Safety	Resiliency	Equity	Other	Project Feasibility	Total Score
LWC 113-116 Westfield	Drainage	Alley from Martinique to Hwy 90 and approximately 100 ft on Military Drive just south of intersection with Westward	5	10	13	16	0	1	**45**
Castle Hills	Drainage	Lockhill Selma from West to Blanco	6	6	11	8	0	1	**32**
LWC 106 Commerce	Drainage	W Commerce between Pinn and Military	5	10	15	16	0	1	**47**
Vidor	Drainage	Vidor Dr from Chulie to Hwy 281 Outfall	6	6	14	11	0	1	**38**
Capitol	Drainage	Capitol from W Kings to Mistletoe	6	11	11	18	0	1	**47**
Wigwam	Drainage	Loop 410 to Warpath	3	6	11	14	0	1	**35**
Acuna	Drainage	San Fernando to End	4	2	12	8	0	1	**27**
Griggs	Drainage	Fig St to Efron	1	2	8	14	0	1	**26**
De Chantle	Drainage	Fredericksburg and De Chantle from Westhill and Loma Linda	16	11	11	6	0	1	**45**
McDougal Ave	Drainage	Goliad to Gevers	0	0	0	14	0	0	**14**
Overbrook Channel	Drainage	Babcock to City of Balcones Heights	0	0	0	12	0	0	**12**
Overbrook Alley	Drainage	Alley behind Algelt	0	0	0	16	0	0	**16**
Prestwick	Drainage	Prestwick at Goliad and Clark	3	3	11	12	0	1	**30**
Bexar	Drainage	Wine Cup to Evelyn	1	2	3	16	0	0	**22**
Mulberry Alleys	Drainage	Alleys in Jefferson and Monticello	0	0	0	12	0	0	**12**

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

ATTACHMENT (5)
PROJECT SUMMARY SHEET

Updated: 1/23/2019

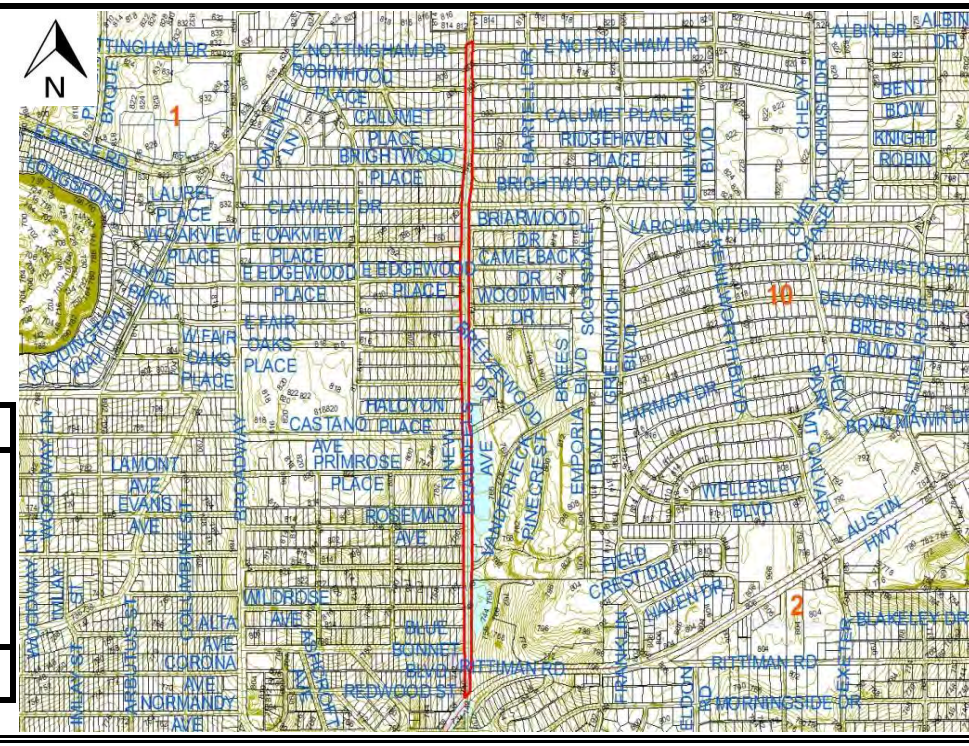
Project Name: N. New Braunfels Drainage Project

Council District: 10

Project Limits: N. New Braunfels from Austin Hwy to E. Nottingham Dr

Watershed: San Antonio River

Potential Project #: 91.01



Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
		-
		-
		-
		-
Total Funding		$ -

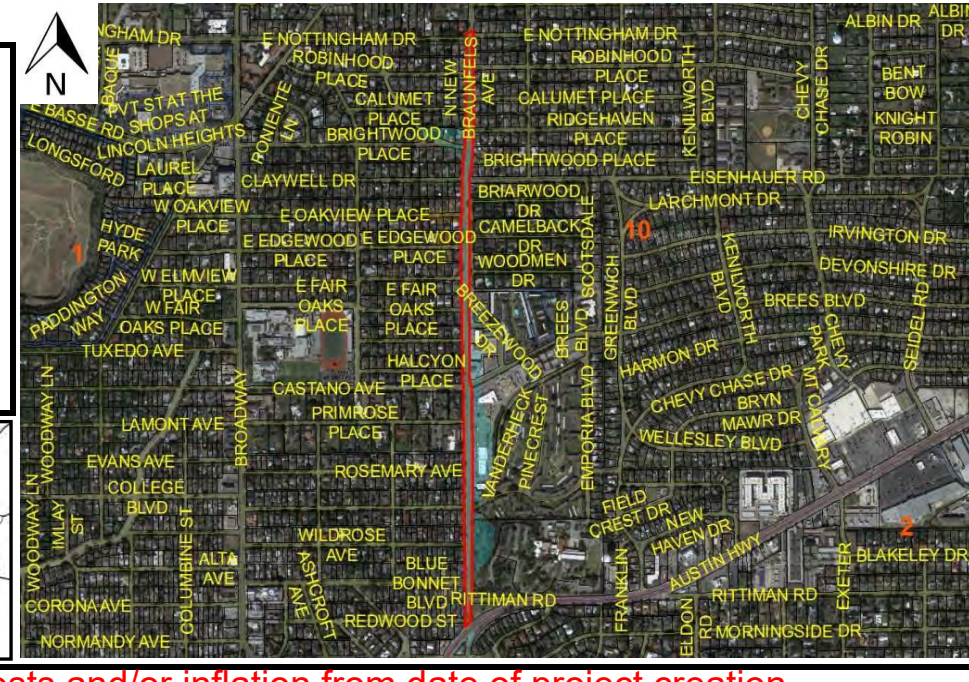
Cost Information *

Category	Cost
Design	$2,653,990
Real Estate	$0
Environmental	$441,450
Miscellaneous	$75,210
Construction	$22,911,118
Total Cost*	$26,082,000

*Rounded up to the nearest thousand

Project Description

This project comprises the installation of an underground drainage system consisting of 2-10' X 6' to 1- 4'X4' box culverts along N. New Braunfels from Austin Hwy. to Nottingham and associated at-grade drainage structures and laterals to alleviate localized street flooding. Associated street reconstruction will include curbs, sidewalks, and driveway approaches is to be incorporated into the project. This project will not impact Broadway/Alamo Heights - LJA Engineering Drainage Study

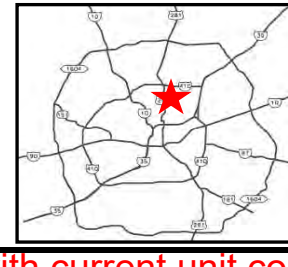


Project Type: Drainage

Type of Estimate: Planning

Project Status: Unfunded

Consultant: TBD



* Costs have not been updated with current unit costs and/or inflation from date of project creation

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

ATTACHMENT (5)
PROJECT SUMMARY SHEET

Updated: 4/7/2016

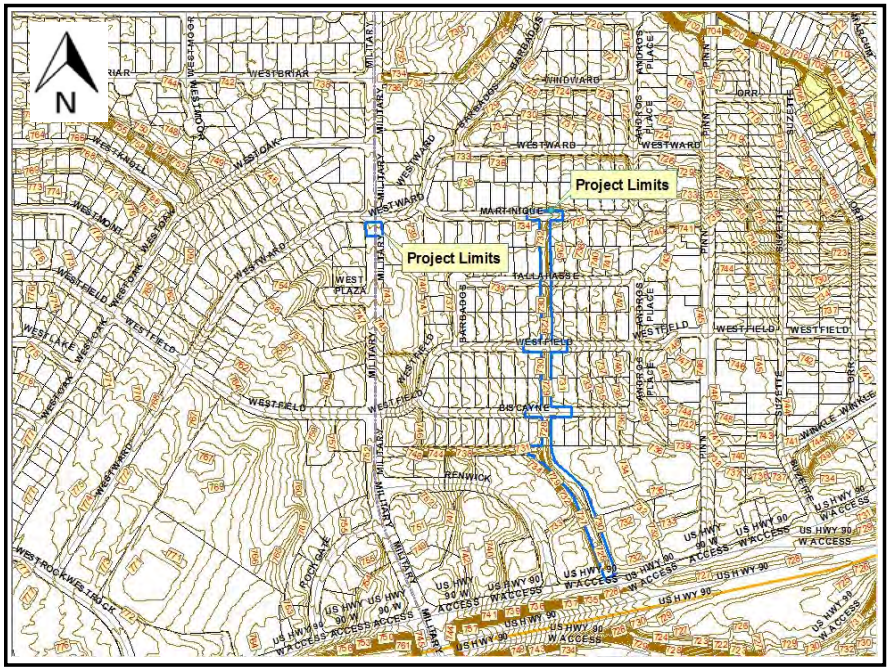
Project Name: LWC 113-116 Westfield Area Drainage Improvement

Council District: 6

Project Limits: Alley from Martinique to Hwy 90 and approximately 100 ft on Military Drive just south of intersection with Westward

Watershed: Leon Creek

Future Project #: 1063



Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
		-
		-
		-
		-
Total Funding		$ -

Cost Information *

Category	Cost
Design	$249,646
Real Estate	$0
Environmental	$7,147
Miscellaneous	$5,718
Construction	$1,876,840
Total Cost*	$2,140,000

*Rounded up to the nearest thousand

Project Description

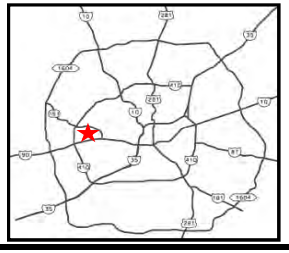
This project proposes to upgrade LWC 115 & 116 and construct an underground storm system on Military to tie into the existing earthen channel. The underground system will consist of 10' curb inlets, 6'x3' box culverts, 24"-42" Reinforced Concrete Pipes (RCP), 5'x5' junction boxes and outfall structures. Military, Martinique, Westfield and Biscayne Drive will be reconstructed with curb and gutter, sidewalks and driveway approaches where needed. The existing earthen channel will be updgraded to a 20' bottom width and 3:1 side slopes. The entire stretch of channel will be fenced with a 6' high chain link wire fence.

Project Type: Drainage

Type of Estimate: Planning

Project Status: Unfunded

Consultant: TBD



* Costs have not been updated with current unit costs and/or inflation from date of project creation

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

ATTACHMENT (5)
PROJECT SUMMARY SHEET

Updated: 9/30/2021

Project Name: West and Lockhill Selma Area Drainage Improvements

Council District: 9

Project Limits: Lockhill Selma from West Ave to Blanco Rd

Watershed: San Antonio River

Future Project #: 1075.01

Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
		-
		-
		-
Total Funding		$ -

Cost Information *

Category	Cost
Design	$4,417,545
Real Estate	$0
Environmental	$119,900
Construction	$30,309,819
Total Cost*	$34,850,000

*Rounded up to the nearest ten thousand

Project Description

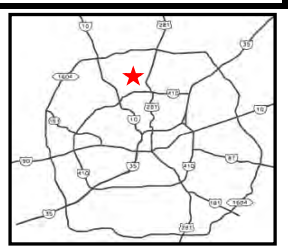
The City of San Antonio and City of Castle Hills collaborated on a study to identify improvements that could mitigate flooding impacts along an unnamed tributary of the Olmos Creek, where significant out of bank flow and flooding occurs frequently. The study limits then extend from where the channel enters West Avenue along West Avenue to 600 feet North of IH 410 where the existing box culvert outlets into a channel that feeds into Olmos Creek. Evaluations of the existing channel indicate that less than 30% of the 25-year storm event can be conveyed in the existing channel before exceeding the bank. The study determined a bypass culvert could be constructed in manner that would bypass sufficient flow such that the existing channel could convey the 25-year storm in the existing channel within the banks.

Project Type: Drainage

Type of Estimate: Planning

Project Status: Unfunded

Consultant: TBD



* Costs have not been updated with current unit costs and/or inflation from date of project creation

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

ATTACHMENT (5)
PROJECT SUMMARY SHEET

Updated: 5/28/2021

Project Name: Pinn Rd. Low Water Crossing #107 Area Drainage Improvement

Council District: 6

Project Limits: Texas 151 Access Rd to S Brownleaf St

Watershed: Leon Creek

Future Project #: 2300.01 **2022 Bond #:** N/A

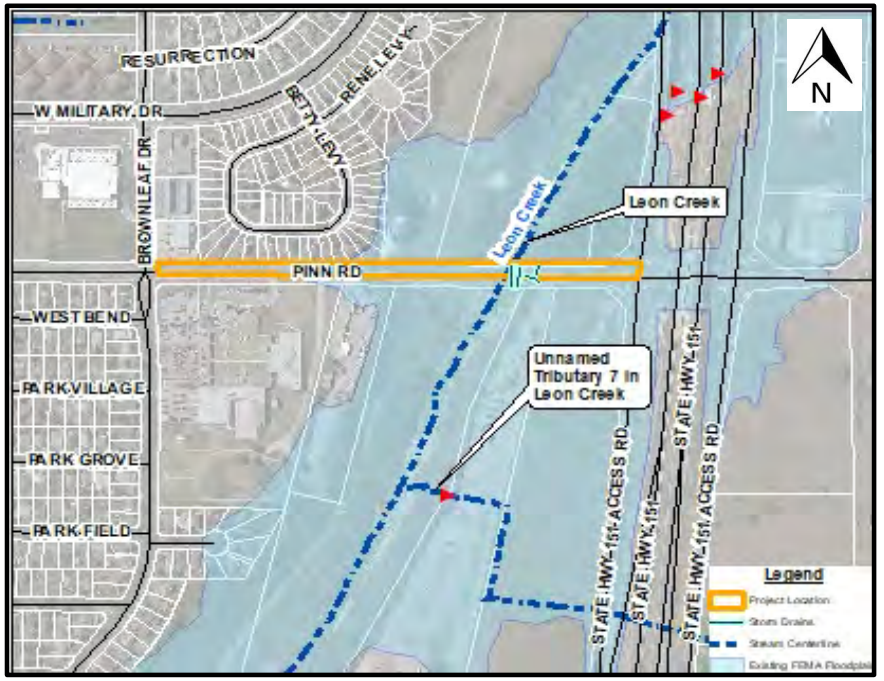
Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
		-
		-
		-
		-
Total Funding		$ -

Cost Information*

Category	Cost
Design	$1,509,312
Real Estate	$0
Environmental	$146,070
Miscellaneous	$271,274
Construction	$10,370,836
Total Cost*	$12,300,000

*Rounded up to the nearest $10,000



Project Description

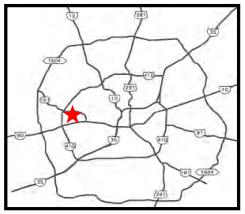
Area residents, businesses, and motorists have expressed concerns about the low water crossing of mainstream Leon Creek at Pinn Rd and State Hwy 151. The contributing drainage area to the existing 5-30" RCP crossing is 173.3 square miles. This crossing floods frequently under minor storm events making it dangerous to cross.This project will upgrade the existing low water crossing (5 - 30" RCP). The revised roadway profile and 500-ft bridge will provide safe passage over and convey the 1-year storm event for Leon Creek. The proposed improvements also include street reconstruction, curbs, sidewalks, and driveway approaches within the project limits. Per COSA Major Thoroughfare, Pinn Rd is classified as Local A Road. However, COSA had requested Pinn Rd compliance with Collector Road classification. The existing pavement width is 44', which meets UDC Collector design standards. Therefore, acquisition costs are not included in the cost estimate for further widening of Pinn Rd.

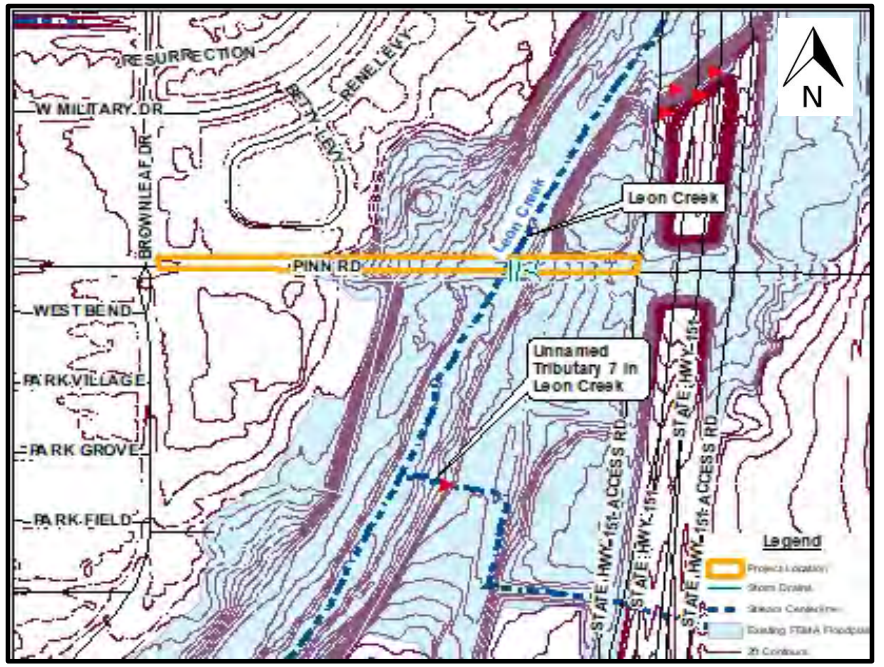
Project Type: Drainage

Type of Estimate: Planning

Project Status: Unfunded

Consultant: TBD





* Costs have not been updated with current unit costs and/or inflation from date of project creation

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

Updated: 6/3/2021

ATTACHMENT (5)

PROJECT SUMMARY SHEET

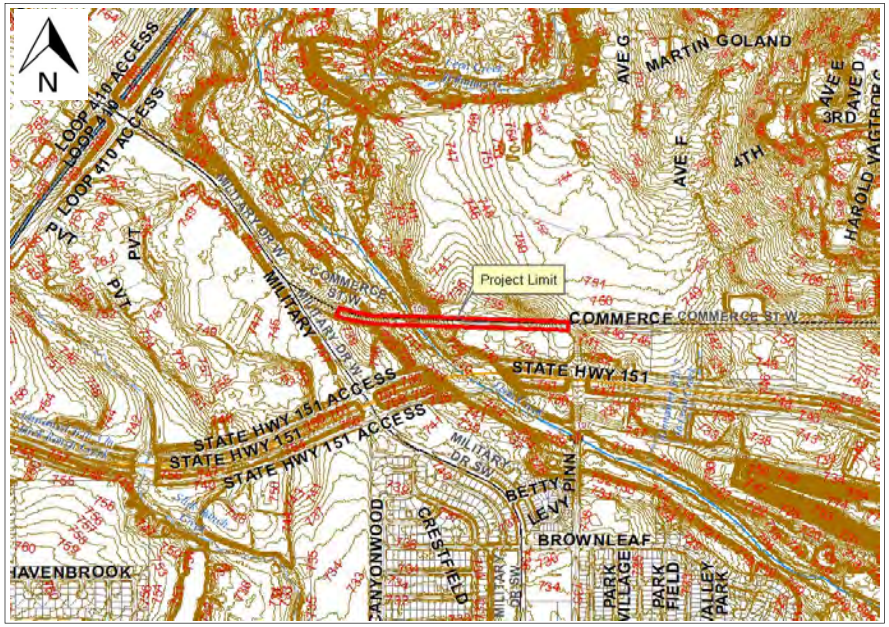
Project Name: LWC# 106 W Commerce Between Pinn & Military

Council District: 6

Project Limits: W. Commerce between Pinn and Military

Watershed: Leon Creek

Future Project #: 2397.01 **2022 Bond #:** N/A



Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
		-
		-
		-
		-
Total Funding		$ -

Cost Information *

Category	Cost
Design	$5,078,763
Real Estate	$0
Environmental	$146,070
Miscellaneous	$200,325
Construction	$38,876,271
Total Cost*	$44,310,000

*Rounded up to the nearest $10,000

Project Description

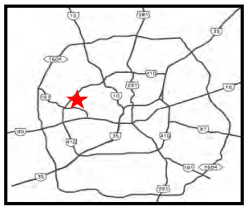
The proposed project comprises bridge replacement with a 60-foot wide bridge, 2,200 feet long to eliminate the low water crossing LWC 106 and to provide unflooded access across Leon Creek on W. Commerce Road. The proposed construction includes sidewalks and necessary surface drainage. All affected streets will be reconstructed to accommodate the new bridge alignment and will include sidewalks, curbs, and driveway approaches where required.

Project Type: Drainage

Type of Estimate: Planning

Project Status: Unfunded

Consultant: TBD



* Costs have not been updated with current unit costs and/or inflation from date of project creation

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

Updated: 3/8/2021

ATTACHMENT (5)

PROJECT SUMMARY SHEET

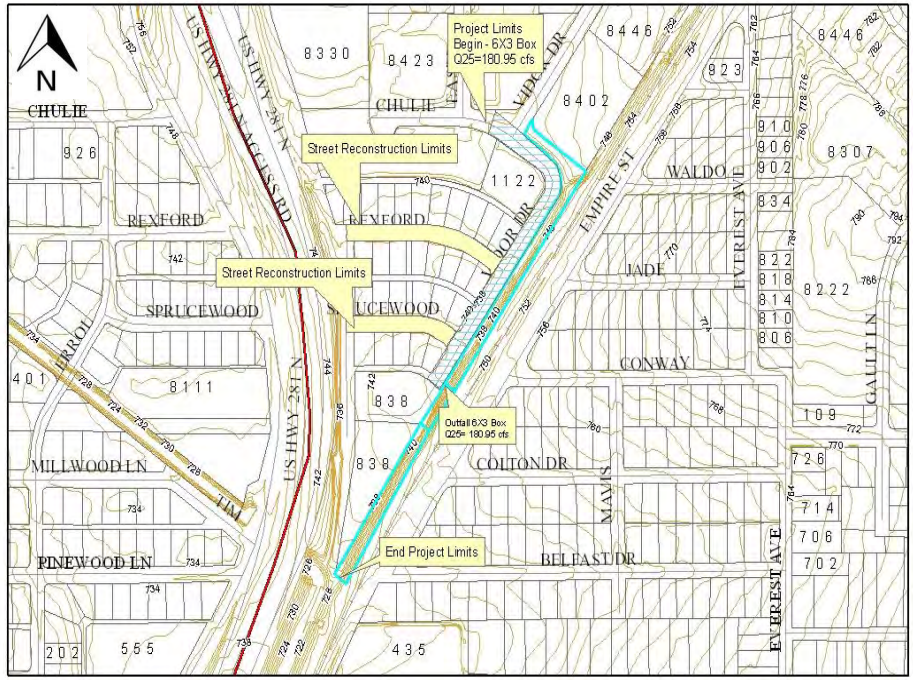
Project Name: Vidor Dr. Area Drainage

Council District: 1

Project Limits: Vidor Dr From Chulie to Hwy 281 Outfall; also Rexford and Sprucewood

Watershed: San Antonio River

Potential Project #: 2482.01



Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
		-
		-
		-
		-
Total Funding		$ -

Cost Information *

Category	Cost
Design	$716,316
Real Estate	$0
Environmental	$167,789
Miscellaneous	$86,291
Construction	$5,807,510
Total Cost*	$6,778,000

*Rounded up to the nearest thousand

Project Description

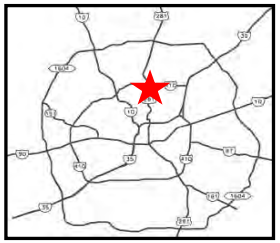
Several complaints have been made in the area regarding drainage issues, mostly street flooding. In addition the existing concrete channel is in very poor condition and needs to be reconstructed. This project will reconstruct an existing channel adjacent to the Union Pacific railroad tracks and Vidor St. and add a box culvert on Vidor Dr. for additional drainage capacity on Vidor Dr. It will reconstruct existing local streets (Rexford, Sprucewood and Vidor Dr.) to ensure positive drainage.

Project Type: Drainage

Type of Estimate: Planning

Project Status: Unfunded

Consultant: TBD



* Costs have not been updated with current unit costs and/or inflation from date of project creation

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

ATTACHMENT (5)

PROJECT SUMMARY SHEET

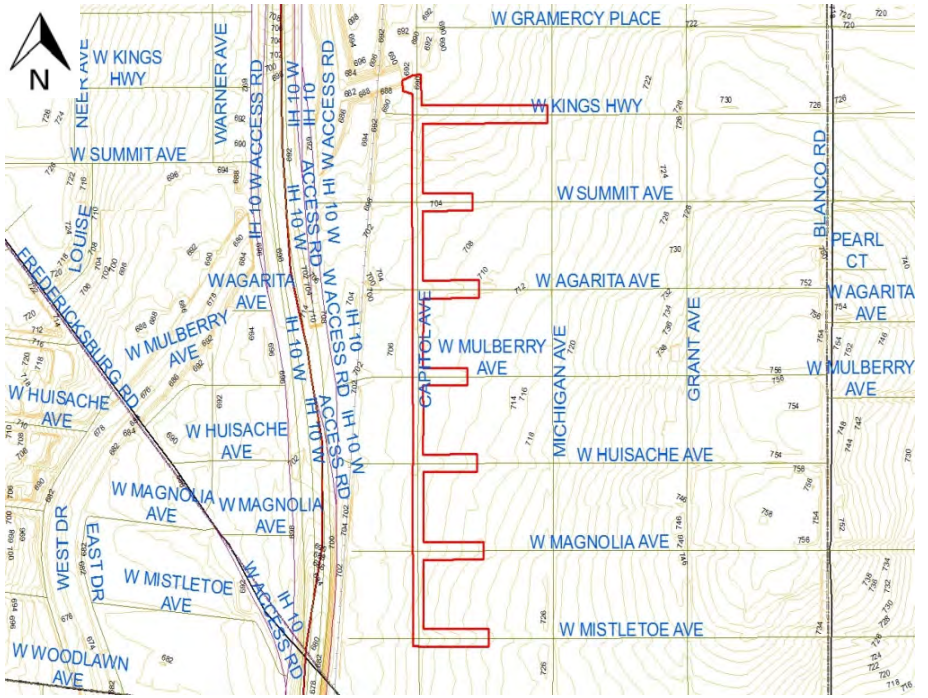
Project Name: Capitol Ave Street and Drainage Project

Council District: 1

Project Limits: Capitol Ave from W. Kings Hwy to W Mistletoe Ave.

Watershed: San Antonio River

Future Project #: 2492.01



Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
		-
		-
		-
		-
Total Funding		$ -

Cost Information *

Category	Cost
Design	$940,120
Real Estate	$0
Environmental	$5,450
Miscellaneous	$75,210
Construction	$7,914,909
Total Cost*	$8,936,000

*Rounded up to the nearest thousand

Project Description

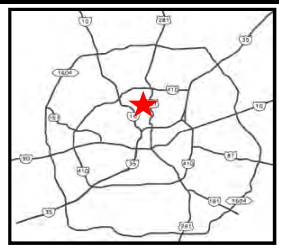
The project comprises reconstructing Capitol Ave and streets that tie in to Capitol from the east (from W. Kings Hwy south to W. Mistletoe Ave, just one block); along with adding an underground drainage system within all said streets. This project will alleviate flooding issues associated with the current lack of adequate curbs and drainage infrastructure. The street reconstruction will include curbs, sidewalks and driveway approaches.

Project Type: Drainage

Type of Estimate: Planning

Project Status: Unfunded

Consultant: TBD



* Costs have not been updated with current unit costs and/or inflation from date of project creation

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

ATTACHMENT (5)

PROJECT SUMMARY SHEET

Updated: 12/8/2016

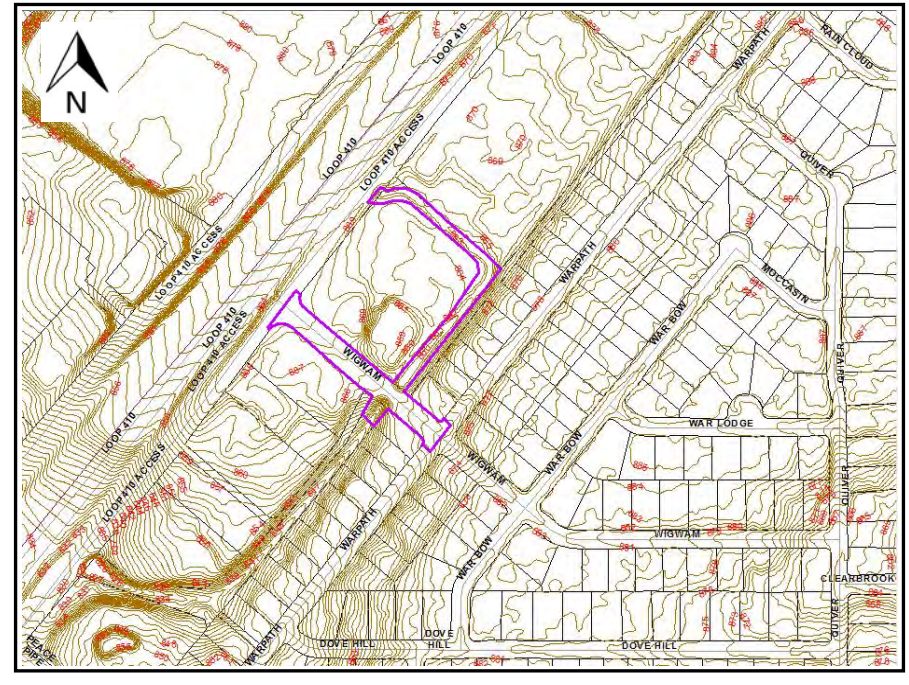
Project Name: Wigwam Dr. Area Drainage Improvement

Council District: 7

Project Limits: Loop 410 Access Rd & Warpath

Watershed: Leon Creek

Potential Project #: 2520



Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
		-
		-
		-
		-
Total Funding		$ -

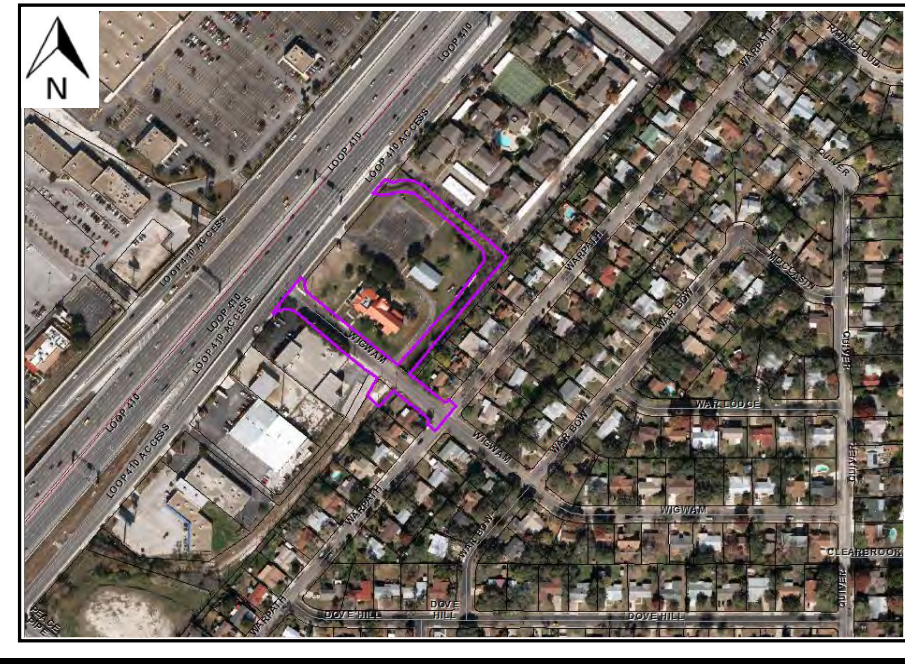
Cost Information *

Category	Cost
Design	$126,014
Real Estate	$0
Environmental	$57,433
Miscellaneous	$35,098
Construction	$874,809
Total Cost*	$1,094,000

*Rounded up to the nearest thousand

Project Description

A church in the area has expressed concerns about storm water flooding its property during significant rain events. They also claim that recent drainage infrastructure improvements on I.H. 410 have increased the amount of storm water draining to the channel that wraps around the church. Staff investigation revealed that the existing 3-36" RCP culvert system at Wigwam is undersized creating a backwater effect and causing localized drainage issues. The project will upgrade the existing culvert system at Wigwam to (2) 8' x 4' concrete box culverts; build a 4 LF wide x 2 LF high x 100 LF long embankment along the church side of the channel to keep flow entirely in the channel; regrade the channel from 410 to Wigwam Drive and reconstruct the street to include curbs, sidewalks and driveway approaches as needed.

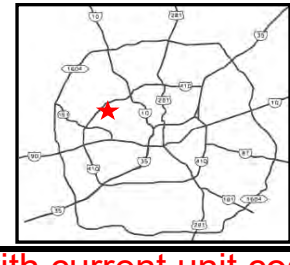


Project Type: Drainage

Type of Estimate: Planning

Project Status: Unfunded

Consultant: TBD



* Costs have not been updated with current unit costs and/or inflation from date of project creation

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

ATTACHMENT (5)

PROJECT SUMMARY SHEET

Updated: 10/18/2016

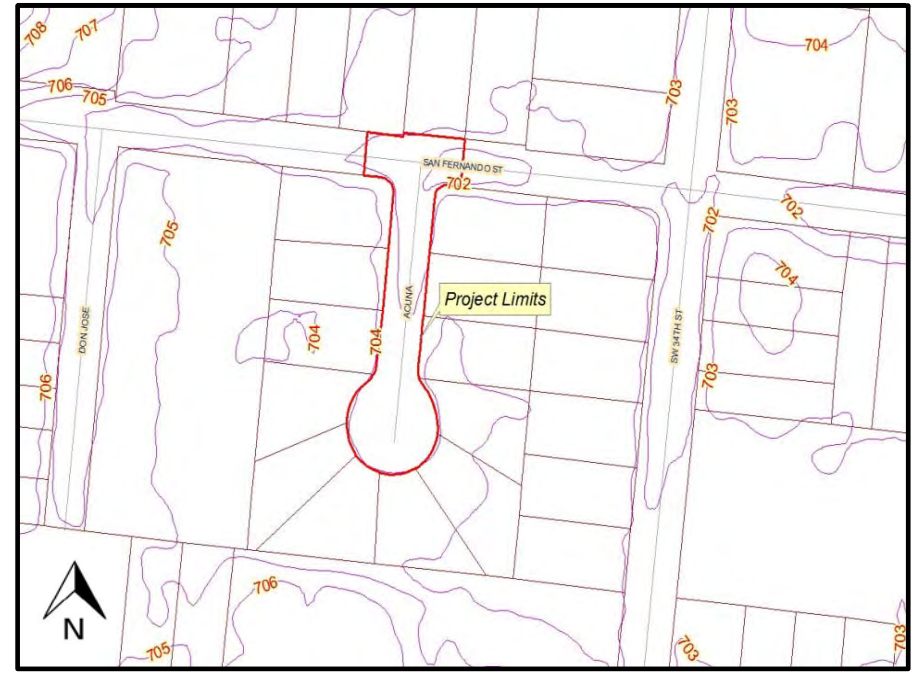
Project Name: Acuna St. Street Reconstruction Project

Council District: 6

Project Limits: San Fernando St. to End of Cul-De-Sac

Watershed: San Antonio River

Future Project #: 2659.01 **2017 Bond #:** N/A



Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
		-
		-
		-
		-
Total Funding		$ -

Cost Information *

Category	Cost
Design	$77,767
Real Estate	$0
Environmental	$7,147
Miscellaneous	$5,718
Construction	$440,943
Total Cost*	$600,000

*Rounded up to the nearest $100,000

Project Description

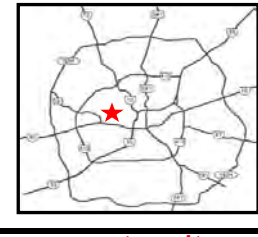
Area residents have expressed concerns of local drainage issues consisting of standing water in the street and lot-to-lot drainage from a San Antonio Housing Authority (SAHA) property located south of Acuna Street. The proposed project consists of reconstructing Acuna and a portion of San Fernando Street to provide positive drainage from the cul-de-sac to San Fernando. The proposed street reconstruction will include curbs, sidewalks, and driveway approaches as needed.

Project Type: Drainage

Type of Estimate: Planning

Project Status: Unfunded

Consultant: TBD



* Costs have not been updated with current unit costs and/or inflation from date of project creation

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

ATTACHMENT (5)

PROJECT SUMMARY SHEET

Updated: 10/18/2016

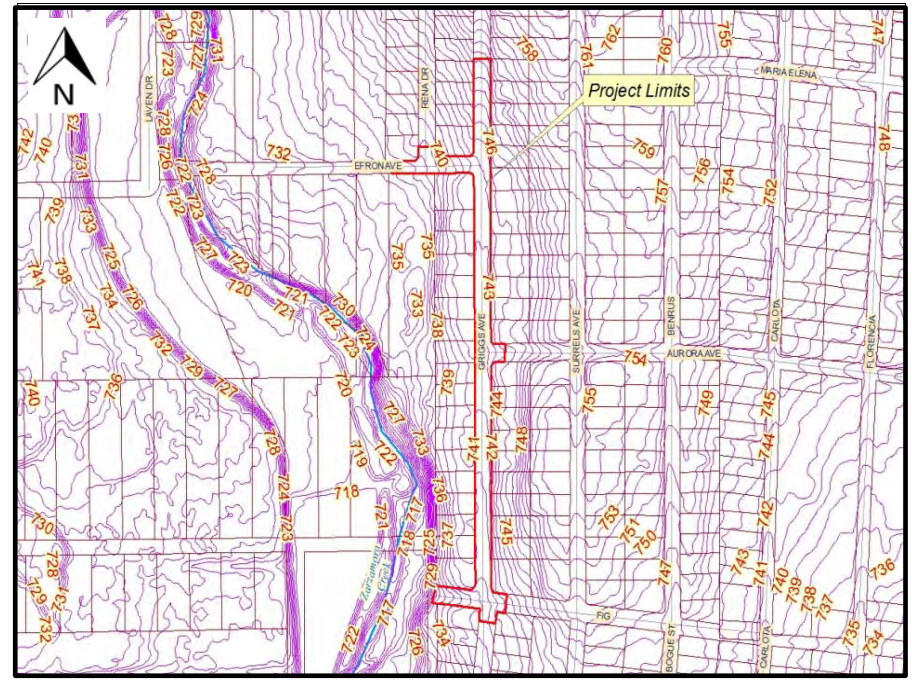
Project Name: Griggs Ave. Street Reconstruction Project

Council District: 5 & 7

Project Limits: Fig St. to 290 feet North of Efron Ave.

Watershed: San Antonio River

Future Project #: 2660.01 **2017 Bond #:** N/A



Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
		-
		-
		-
		-
Total Funding		$ -

Cost Information *

Category	Cost
Design	$271,502
Real Estate	$0
Environmental	$7,147
Miscellaneous	$5,718
Construction	$2,041,179
Total Cost*	$2,400,000

*Rounded up to the nearest $100,000

Project Description

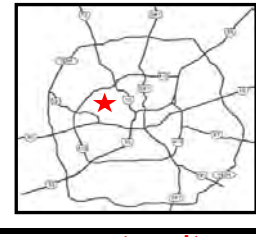
Area residents have expressed concerns of local drainage issues consisting of standing water in the street and lot-to-lot drainage from adjoining properties. The proposed project consists of reconstructing Griggs Ave. and portions of several adjoining streets to provide positive drainage on all affected streets. The proposed street reconstruction will include curbs, sidewalks, and driveway approaches as needed.

Project Type: Drainage

Type of Estimate: Planning

Project Status: Unfunded

Consultant: TBD



* Costs have not been updated with current unit costs and/or inflation from date of project creation

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

ATTACHMENT (5)
PROJECT SUMMARY SHEET

Project Name: Bexar Street Reconstruction

Council District: 7

Project Limits: Wine Cup to Evelyn Dr.

Watershed: San Antonio River

Potential Project #: N/A

Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
		-
		-
		-
		-
Total Funding		**$ -**

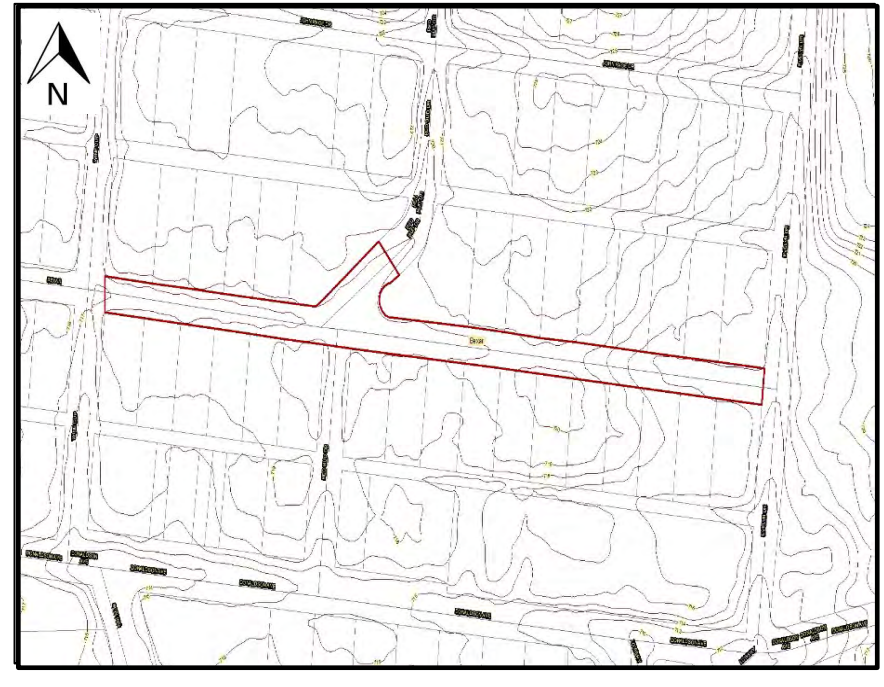
Cost Information *

Category	Cost
Design	$ -
Real Estate	$ -
Environmental	$ -
Miscellaneous	$ -
Construction	$ -
Total Cost*	**$ -**

*Rounded up to the nearest $10,000

Project Description

Residents along Bexar have expressed concerns of ponding water in the street and property flooding. The proposed project comprises the reconstruction of Bexar from Wine Cup to Evelyn Dr. The proposed project will also construct curbs, sidewalks, and driveway approaches.

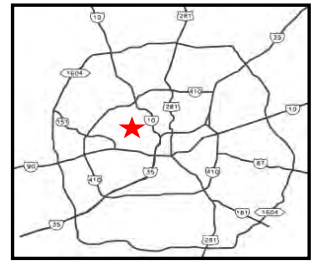


Project Type: Drainage

Type of Estimate: Planning

Project Status: Unfunded

Contractor: TBD



* Costs have not been updated with current unit costs and/or inflation from date of project creation

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

ATTACHMENT (5)

PROJECT SUMMARY SHEET

Updated: 11/15/2021

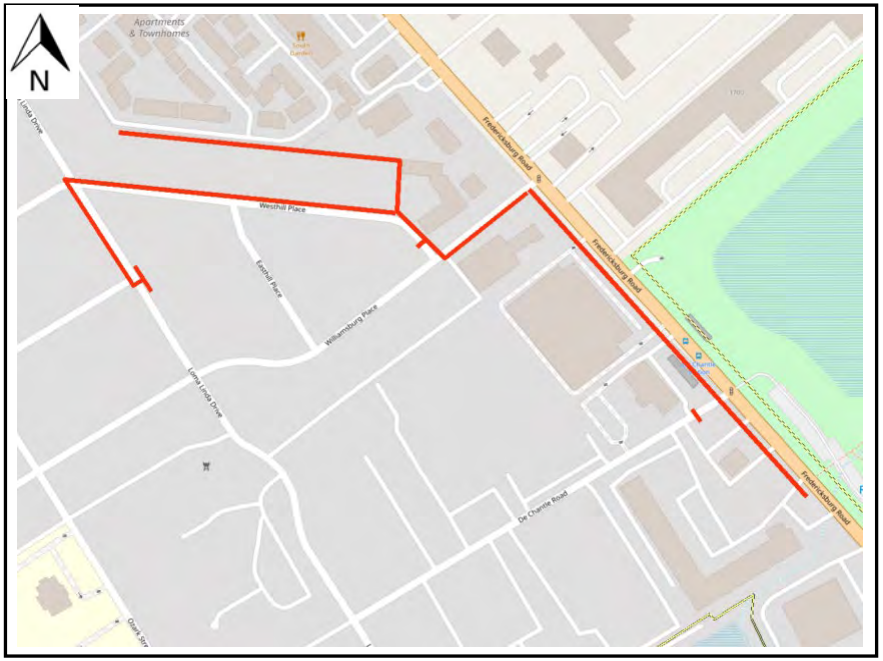
Project Name: De Chantle

Council District: 7

Project Limits: Drainage system improvements from Fredricksburg and De Chantle up to Westhill and Loma Linda

Watershed: San Antonio River

Future Project #: 1028.01



Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
		-
		-
		-
Total Funding		$ -

Cost Information *

Category	Cost
Design	$895,780
Real Estate	$0
Environmental	$119,900
Construction	$5,192,042
Total Cost*	$6,210,000

*Rounded up to the nearest ten thousand

Project Description

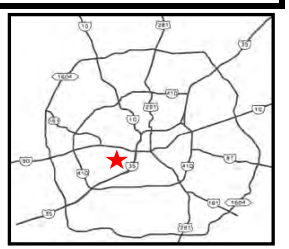
Under ground drainage system with street reconstruction including curbs and sidewalks. Street reconstruction for Williamsburg between Westhill and Fredericksburg, Westhill between Williamsburg and Loma Linda, Loma Linda between Westhill and Erskine Place. 130 feet of alley reconstruction from Westhill to Apartments. Fredericksburg will requre street reconstruction above the underground drainage pipe and box.

Project Type: Drainage

Type of Estimate: Planning

Project Status: Unfunded

Consultant: TBD



* Costs have not been updated with current unit costs and/or inflation from date of project creation

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

ATTACHMENT (5)
PROJECT SUMMARY SHEET

Updated: 11/14/2021

Project Name: McDougal Ave Street Reconstruction

Council District: 3

Project Limits: Goliad Rd to S. Gevers St.

Watershed: San Antonio River

Potential Project #: N/A

Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
		-
		-
		-
		-
Total Funding		**$ -**

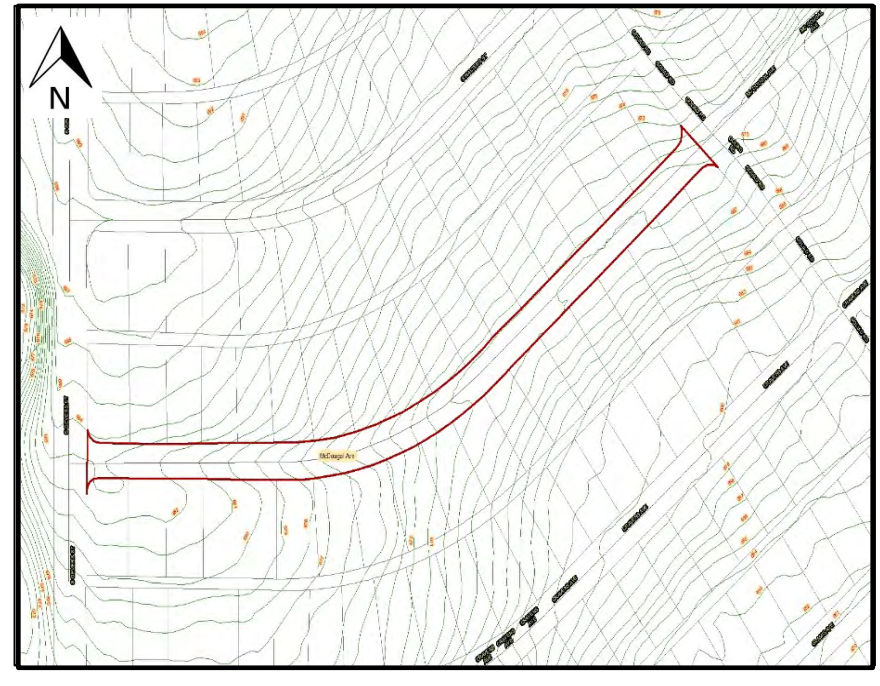
Cost Information *

Category	Cost
Design	$ -
Real Estate	$ -
Environmental	$ -
Miscellaneous	$ -
Construction	$ 750,000
Total Cost*	**$ 750,000**

*Rounded up to the nearest $10,000

Project Description

A Project Request Form for the 100 block of McDougal Ave. was submitted for concerns of street flooding and ponding water. The proposed project will reconstruct the 100 block of McDougal Ave. and includes curbs and driveway approaches where needed. McDougal Avenue is currently on the IMP in FY2027 for a full reconstruction.

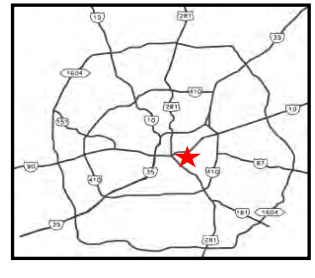


Project Type: Drainage

Type of Estimate: Planning

Project Status: Unfunded

Contractor: TBD



* Costs have not been updated with current unit costs and/or inflation from date of project creation

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

ATTACHMENT (5)
PROJECT SUMMARY SHEET

Project Name: Overbrook Channel Improvements

Council District: 7

Project Limits: Babcock Rd to Balcones Heights City Limits

Watershed: San Antonio River

Potential Project #: N/A

Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
		-
		-
		-
		-
Total Funding		**$ -**

Cost Information *

Category	Cost
Design	$ -
Real Estate	$ -
Environmental	$ -
Miscellaneous	$ -
Construction	$ -
Total Cost*	**$ -**

*Rounded up to the nearest $10,000

Project Description

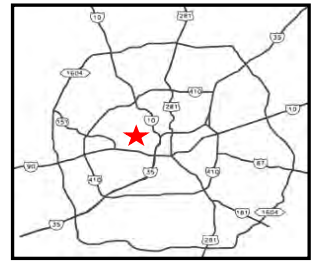
Citizens from the Maverick Neighborhood Association have reported significant flooding caused by the undersized channel along Overbrook. Since this channel is at the top of the watershed, any significant improvements done to this channel, such as increasing the culverts at Babcock will create adverse impacts to the residents downstream. Any drainage improvements to this system must begin from the downstream end and continue to work its way upstream until the entire system is reconstructed. Therefore, the Overbrook Channel Improvement project is not considered viable at this time.

Project Type: Drainage

Type of Estimate: Planning

Project Status: Unfunded

Contractor: TBD



* Costs have not been updated with current unit costs and/or inflation from date of project creation

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

ATTACHMENT (5)
PROJECT SUMMARY SHEET

Updated: 11/14/2021

Project Name: Overbrook Alley Improvements

Council District: 7

Project Limits: Alley behind & between 323 & 327 Altgelt Ave

Watershed: San Antonio River

Potential Project #: N/A

Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
		-
		-
		-
		-
Total Funding		**$ -**

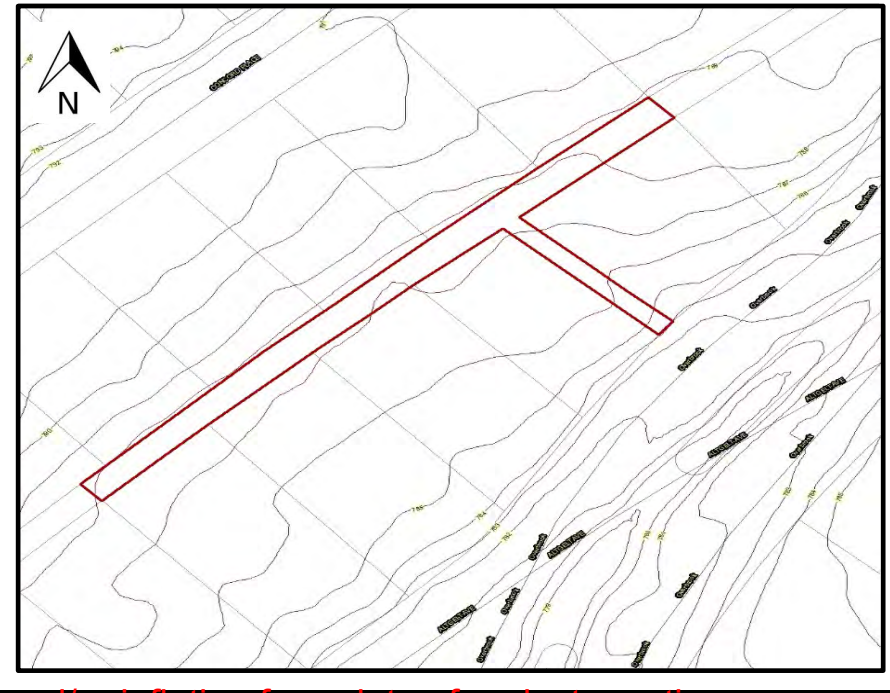
Cost Information *

Category	Cost
Design	$ -
Real Estate	$ -
Environmental	$ -
Miscellaneous	$ -
Construction	$ -
Total Cost*	**$ -**

*Rounded up to the nearest $10,000

Project Description

The Maverick Home Owners Association, District 7, are requesting improvements be made in the alley behind Overbrook to alleviate the discharge coming from the alley. The Public Works Dept. (PWD) currently maintains only those alleys in which the Solid Waste Management Department utilizes for waste collection service and any lot-to-lot drainage issues are considered a private matter. Thw PWD staff believes the issues were caused by a SAWS manhole blocking the natural flow in the alley and recommend coordinating with SAWS to alleviate these flows.

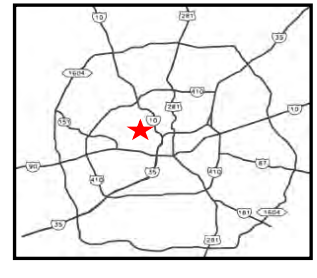


Project Type: Drainage

Type of Estimate: Planning

Project Status: Unfunded

Contractor: TBD



* Costs have not been updated with current unit costs and/or inflation from date of project creation

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

ATTACHMENT (5)
PROJECT SUMMARY SHEET

Updated: 11/14/2021

Project Name: Prestwick Blvd Street Reconstruction

Council District: 3

Project Limits: Prestwick Blvd to 1400' south of Goliad & Clark Ave Intersection

Watershed: San Antonio River

Potential Project #: N/A

Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
		-
		-
		-
		-
Total Funding		**$ -**

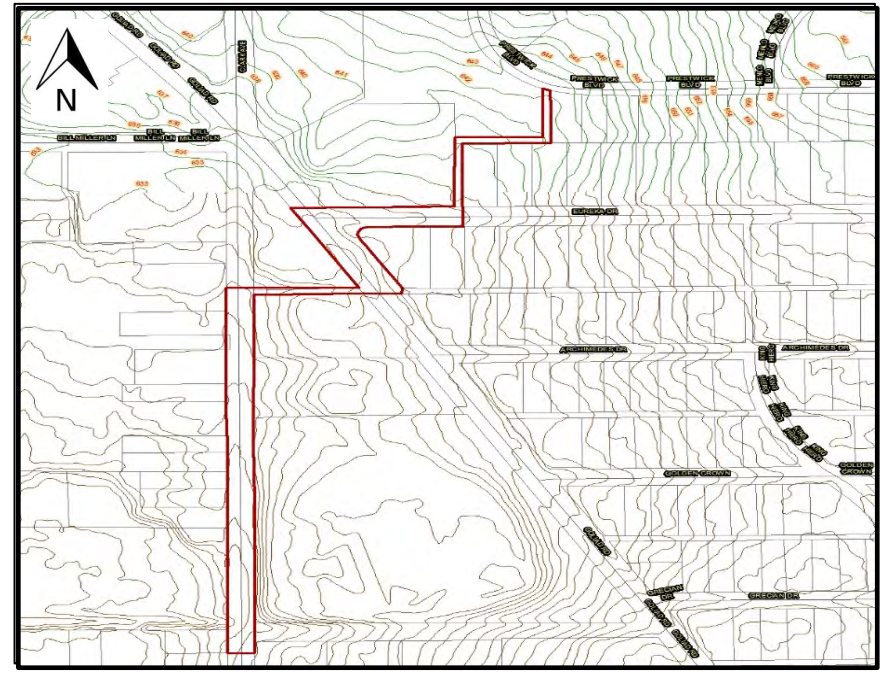
Cost Information *

Category	Cost
Design	$ -
Real Estate	$ -
Environmental	$ -
Miscellaneous	$ -
Construction	$ 3,668,103
Total Cost*	**$ 3,670,000**

*Rounded up to the nearest $10,000

Project Description

The proposed project comprises the construction of a storm drain system from Prestwick Blvd to Clark Ave. The proposed system consists of 1500 lf of 4' X 4' precast single box culvert and 760 lf of 4' X 6' precast single box culvert that begins between 102 Prestwick and 104 Prestwick and outfalling into an existing drainage system on Clark Ave approximately 1400 feet south of the Goliad & Clark intersection. The proposed project will also reconstruct all affected streets and alleys and will include curbs, sidewalks, and driveway approaches. An additional 20' of right-of-way (ROW) may be needed behind 119 and 123 Prestwick and on the west side of 119 Prestwick. An estimated 10' of additional ROW was added to the alley between Goliad and Clark Ave.

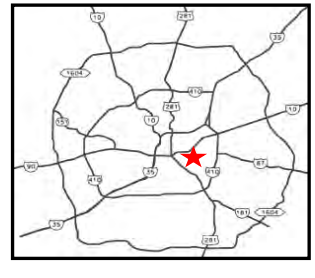


Project Type: Drainage

Type of Estimate: Planning

Project Status: Unfunded

Contractor: TBD



* Costs have not been updated with current unit costs and/or inflation from date of project creation

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

ATTACHMENT (5)
PROJECT SUMMARY SHEET

Updated: 11/14/2021

Project Name: W. Mulberry Alleys

Council District: 7

Project Limits: Jefferson and Monticello Park NA

Watershed: San Antonio River

Potential Project #: N/A

Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
		-
		-
		-
		-
Total Funding		**$ -**

Cost Information *

Category	Cost
Design	$ -
Real Estate	$ -
Environmental	$ -
Miscellaneous	$ -
Construction	$ 7,000,000
Total Cost*	**$ 7,000,000**

*Rounded up to the nearest $10,000

Project Description

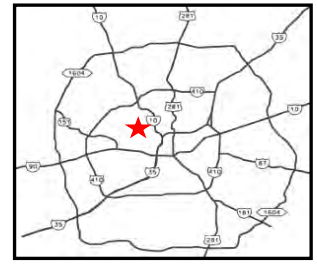
The proposed project comprises of alley resurfacing withing the following boundaries: Woodlawn to St. Cloud, St. Cloud to Babcock, Babcock to Fredericksburg, Fredericksburg to Zarzamora, Zarzamora back to Woodlawn.

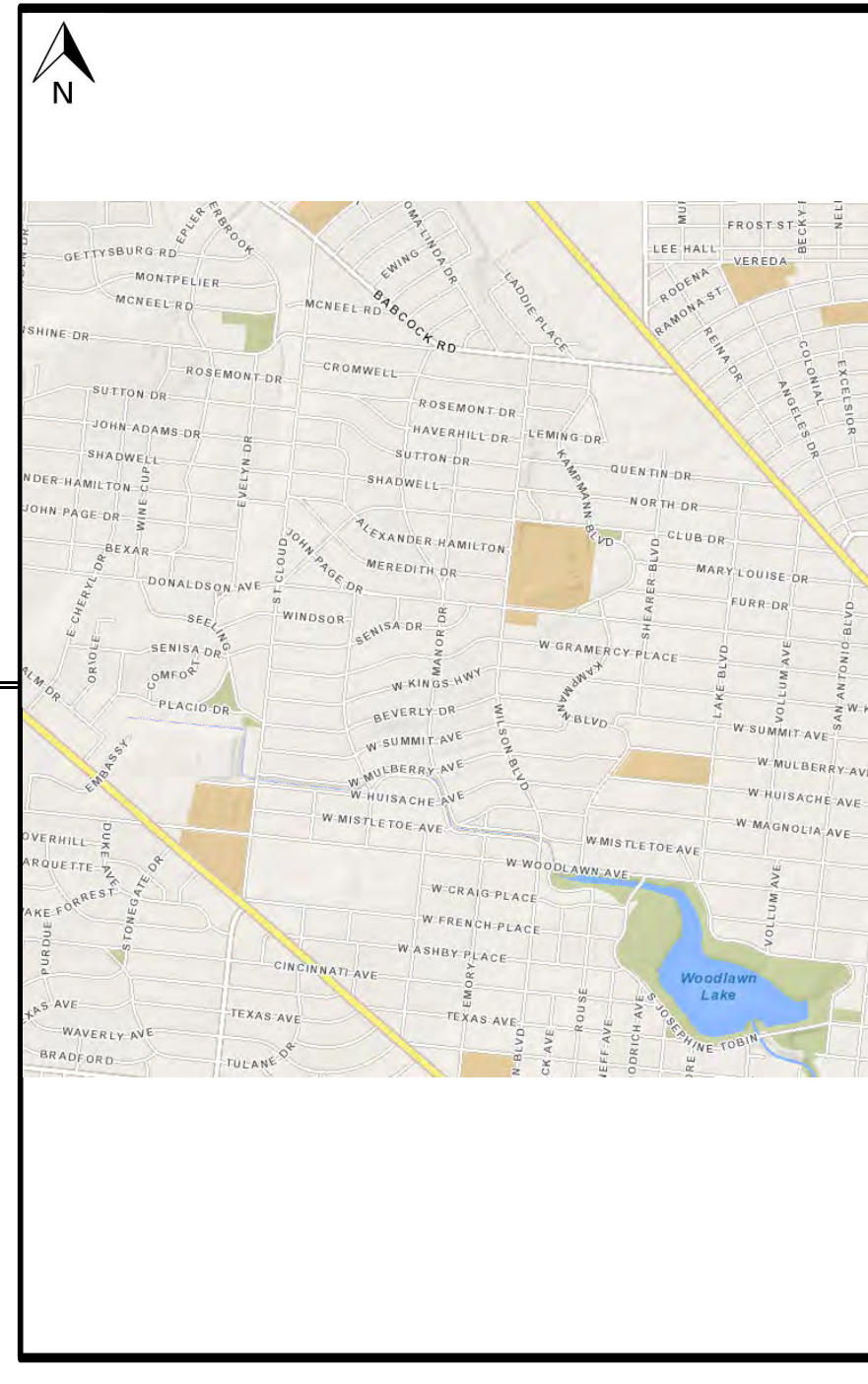
Project Type: Drainage

Type of Estimate: Planning

Project Status: Unfunded

Contractor: TBD





* Costs have not been updated with current unit costs and/or inflation from date of project creation

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

ATTACHMENT (6)
PROJECT SUMMARY SHEET

Updated: 3/16/2021

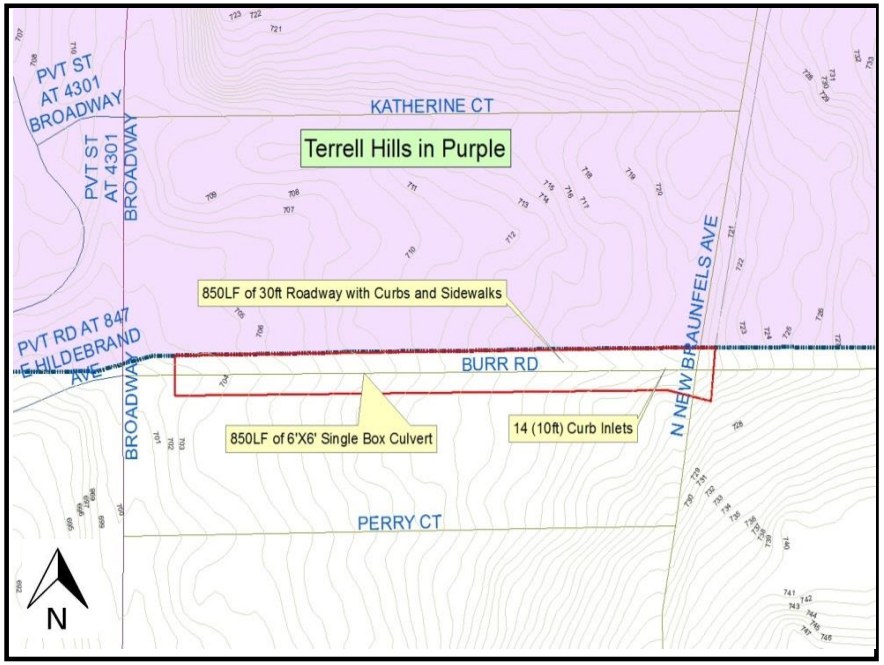
Project Name: Broadway Corridor Phase III - 1B

Council District: 2

Project Limits: Burr Rd. from Broadway St. to N. New Braunfels Ave
N. New Braunfels Ave. from Burr R. to Katherine Ct.

Watershed: San Antonio River

Future Project #: 1.02 **2017 Bond #:** N/A



Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
		-
		-
		-
		-
Total Funding		$ -

Cost Information

Category *	Cost
Design	$458,802
Real Estate	$0
Environmental	$146,070
Miscellaneous	$5,565
Construction	$4,306,662
Total Cost*	$4,920,000

*Rounded up to the nearest $10,000

Project Description

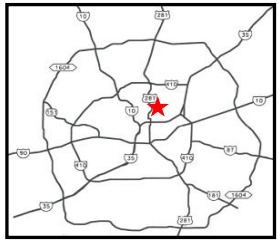
This proposed project is to alleviate localized flooding issues because of the lack od adequate storm drain infrastructure in the area. This is an extension of the newly constructed "Broadway Corridor Phase III (IA) Project" that has been designed to accomodate this proposed project's additional flows. It consists of constructing an underground drainage system with curb inlets catching runoff at the intersection of N. New Braunfels and Burr Rd. A possible storm system upstream from said intersection may be required but will be within the City of Terrell Hillslimits and constructed by said city; this additional capacity has been accounted for in the design. Street reconstruction will also be required and consists of 850 LF of 30' roadway with cutbs, sidewalks, and driveway approaches.

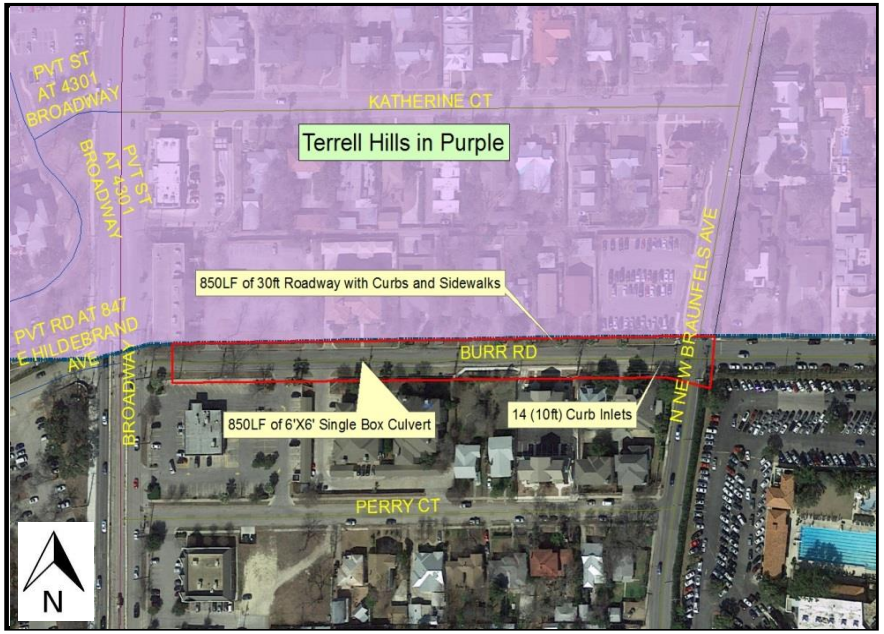
Project Type: Drainage

Type of Estimate: Planning

Project Status: Unfunded

Consultant: TBD





* Costs have not been updated with current unit costs and/or inflation from date of project creation

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

Updated: 10/6/2015

ATTACHMENT (6)
PROJECT SUMMARY SHEET

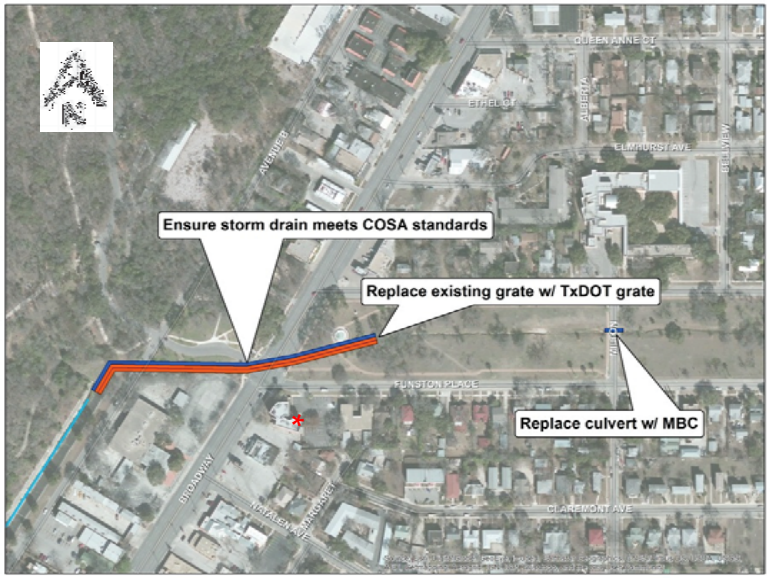
Project Name: Mahncke Park Outfall

Council District: 2

Project Limits: Broadway at Funston

Watershed: San Antonio River

Future Project #: 3.02



Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
Total Funding		$ -

Cost Information

Category	Cost
Design	$ 264,025
Construction**	$ 2,087,156
Management	$ 298,835
Inflation	$ 813,449
Total Cost*	$ 3,463,465

*Rounded up to the nearest thousand, ** Street 11.4%, Drainage 88.6%, Traffic 0%

Project Description

The proposed project references a 2005 drainage report titled, City of San Antonio Drainage Improvements for Watersheds SA-3, SA-4, SA-5, SA-6, and SA. This project proposes drainage improvements to watershed SA4 of the Broadway Corridor Drainage System at Broadway and Funston Place. The existing storm drain system and the culvert crossing at Milton St will be upgraded to convey the 100-year storm. To reduce clogging and increase efficiency, the grate inlets at Mahncke Park will be removed and replaced with TxDOT Safety End Treatments with pipe runners.

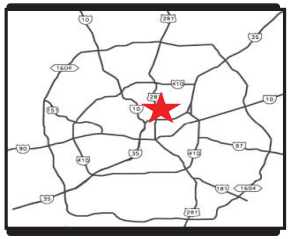
Project Type: Drainage

Type of Estimate: **Level II**

Project Status: **Planning Limited Detail**

Project Funding Status: **Unfunded**

Consultant: **Pape-Dawson**



* Costs have not been update with current unit costs and/or inflation from date of project creation

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

ATTACHMENT (6)
PROJECT SUMMARY SHEET

Updated: 5/8/2019

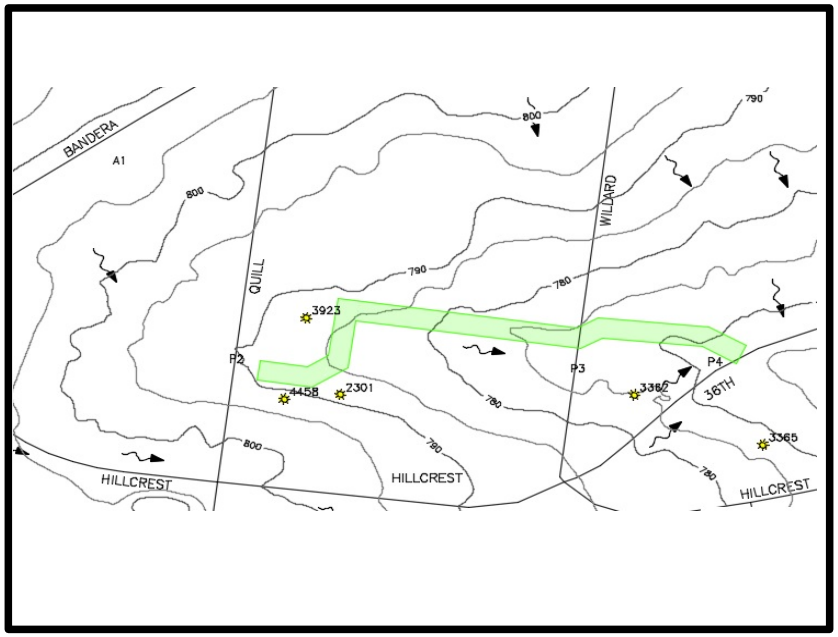
Project Name: 58BX Quil Dr. Outfall

Council District: 7

Project Limits: Drainage system improvements from 36th Street up to Quil Dr.

Watershed: San Antonio River

Future Project #: 58.02



Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
Total Funding		$ -

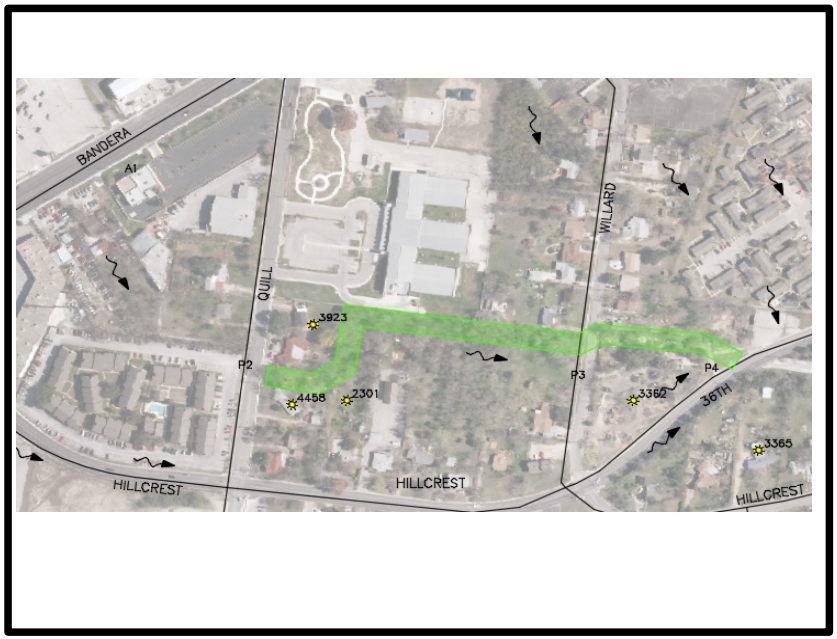
Cost Information

Category *	Cost
Design	
Construction**	
Management	
Inflation(5-Yr)	
Total Cost*	$ 3,266,775

*Rounded up to the nearest ten thousand, ** Street 0%, Drainage 0%, Traffic 0%

Project Description

Three homes are currently experiencing flooding on West Quill Drive. Flood water is draining from Bandera on to Quill Dr. and into an under sized low on private property. This project will purchase an drainage easement through this low. This project will install a multi box culvert from West Quill Drive to Willard Street to aleviate the flooding issues.



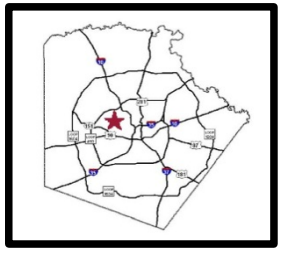
Project Type: Drainage

Type of Estimate: **Level II**

Project Status: **Planning Detailed**

Project Funding Status: **Unfunded**

Consultant: **TBD**



* Costs have not been updated with current unit costs and/or inflation from date of project creation

SITE PHOTO

* Costs have not been updated with current unit costs and/or inflation from date of project creation

ATTACHMENT (6)
PROJECT QUAD SHEET

Project Name: Normoyle Ditch - Alt 1

Council District: 5

Project Limits: Wabash St from W Southcross Blvd to Wagner Ave

Watershed: Upper San Antonio River

Future Project #: 65.03

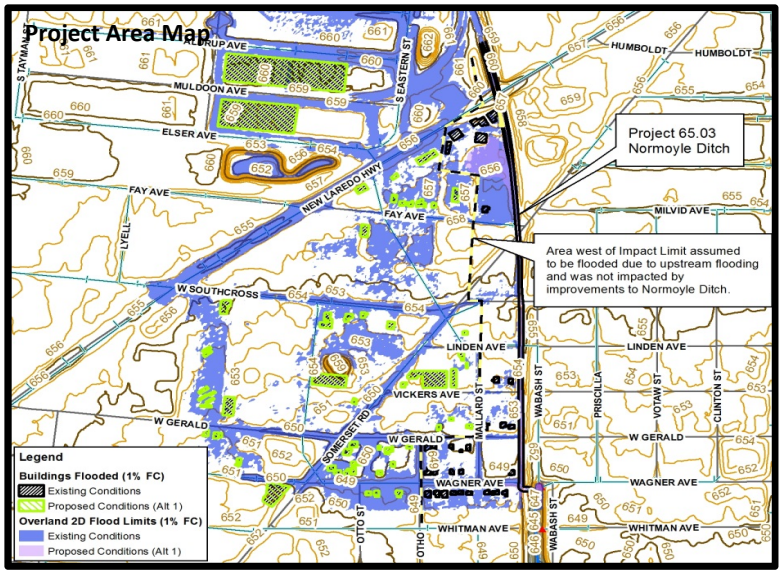
Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
Total Funding		$ -

Cost Information

Category		Cost
Engineering	$	1,126,949
Construction *	$	9,235,978
Other Construction	$	314,440
Management	$	1,357,093
Inflation	$	1,360,195
Total Cost*	$	13,390,000

*Rounded to the nearest ten thousand



Approximate Construction Cost Distribution: Street 17.2%, Drainage 82.8%, Traffic 0%

Project Description

Channel improvements are proposed from the Six Mile Creek outfall up to approximately 200 feet upstream of New Laredo Hwy. A 20' to 25' BW vertical wall channel is proposed up to Somerset Rd., transitioning to a 20' BW trapezoidal section upstream of New Laredo Hwy. The proposed improvement fully contains the 1% ultimate floodplain in the lower reach apart from a 700 ft reach between New Laredo Hwy and Somerset Rd. Bridge improvements are required at New Laredo Hwy, Somerset Rd, and Southcross Blvd. Associated street reconstruction to include curbs, sidewalks, and driveway approaches are to be incorporated into the project. ROW purchases will be required for two adjacent commercial lots. Project improvements will remove 31 of the 128 structures within the 100-year ultimate overland inundation limits. However, this project should be modeled in more detail to incorporate local storm drain systems to provide a more accurate project benefit (see Project Risk). Also, this project will need to be evaluated for downstream impacts to ensure it does not cause a negative impact to downstream floodplain limits or structures. This project could implement a grassy swale (or other GI feature) above the SD boxes and could also tie into the trail system on the Westside Creeks.

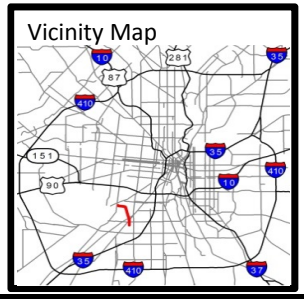
Project Type: Drainage

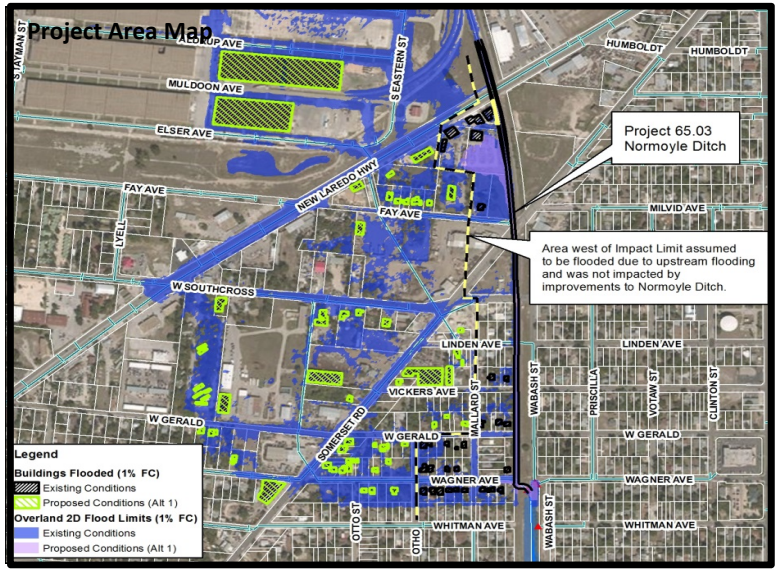
Type of Estimate: Level II

Project Status: Planning Detailed

Project Funding Status: Unfunded

Consultant: HDR





* Costs have not been updated with current unit costs and/or inflation from date of project creation

ATTACHMENT (6)
PROJECT QUAD SHEET

Project Name: Thames Drainage Channel Replacement - Alt 1

Council District: 1

Project Limits: Thames Dr Channel from Blanco Rd to Langton Dr

Watershed: Upper San Antonio River

Future Project #: 73.02

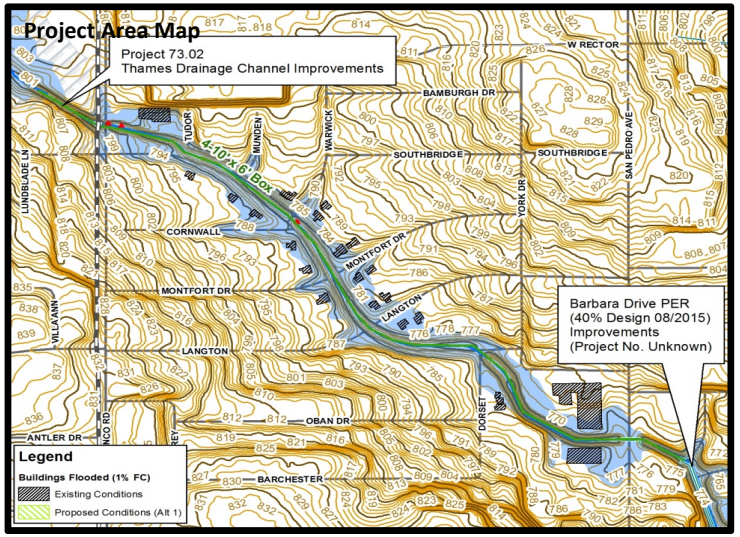
Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
Total Funding		$ -

Cost Information

Category		Cost
Engineering	$	2,514,711
Construction	$	21,285,523
Other Construction	$	581,533
Management	$	3,098,923
Inflation	$	3,106,005
Total Cost*	$	30,590,000

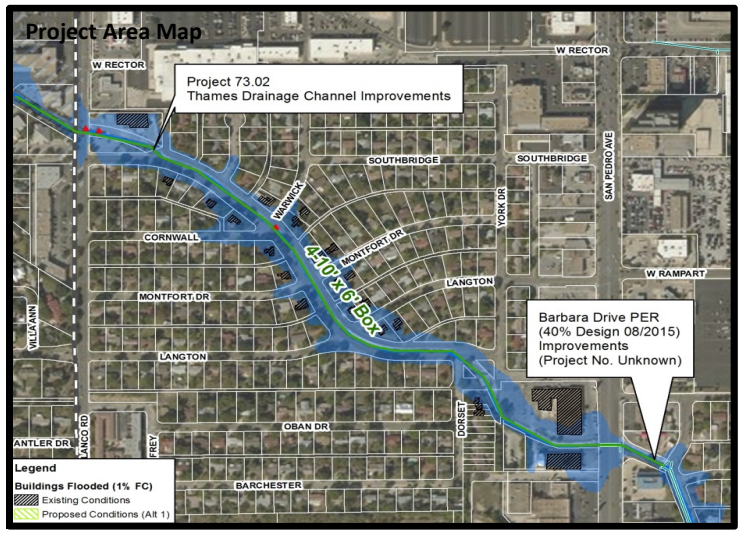
*Rounded to the nearest ten thousand



Approximate Construction Cost Distribution: Street 12.3%, Drainage 87.7%, Traffic 0%

Project Description

Thames Dr is divided by an existing concrete lined channel. The channel is in need of many repairs and does not fully contain 100-year flows. To reduce the cost of multiple repairs, and to reduce flooding of adjacent properties, the proposed project would replace the existing channel with an underground drainage system. The proposed system consists of approximately 3,300 linear feet of (4) 10'x6' multiple box culverts (MBCs). The proposed boxes would replace the existing culverts at Blanco Rd., San Pedro Ave, Thames Dr, Private Dr and Dorset. The proposed improvements will eliminate 26 buildings from the floodplain. The existing downstream system is undersized but is currently in the design process for future improvements (Barbara Dr PER 40% Design 08/2015). The capacity of that system must be verified prior construction of this project. The improvements would require associated street reconstruction to include curbs, pavement and Drway approaches. Possible LID options could be considered in the median between the divided drive once SD is constructed.



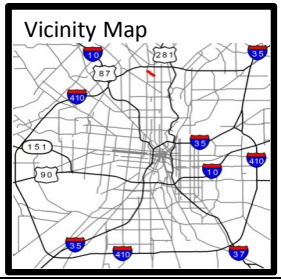
Project Type: Drainage

Type of Estimate: Level II

Project Status: Planning Detailed

Project Funding Status: Unfunded

Consultant: HDR



* Costs have not been updated with current unit costs and/or inflation from date of project creation

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

ATTACHMENT (6)

PROJECT SUMMARY SHEET

Updated: 1/23/2019

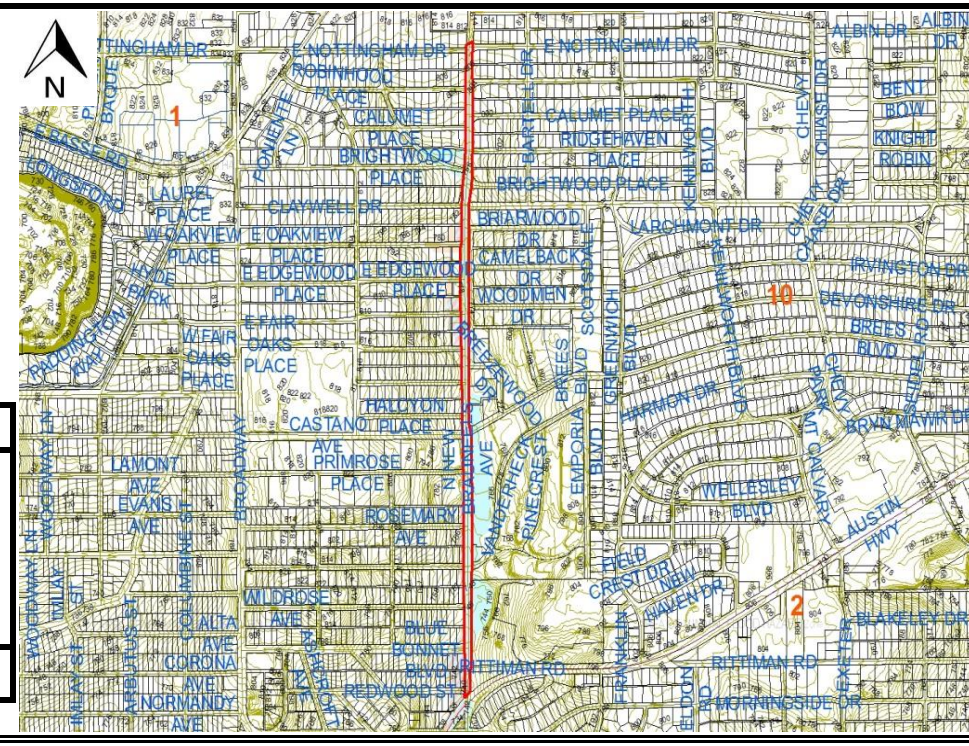
Project Name: N. New Braunfels Drainage Project

Council District: 10

Project Limits: N. New Braunfels from Austin Hwy to E. Nottingham Dr

Watershed: San Antonio River

Potential Project #: 91.01



Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
		-
		-
		-
		-
Total Funding		$ -

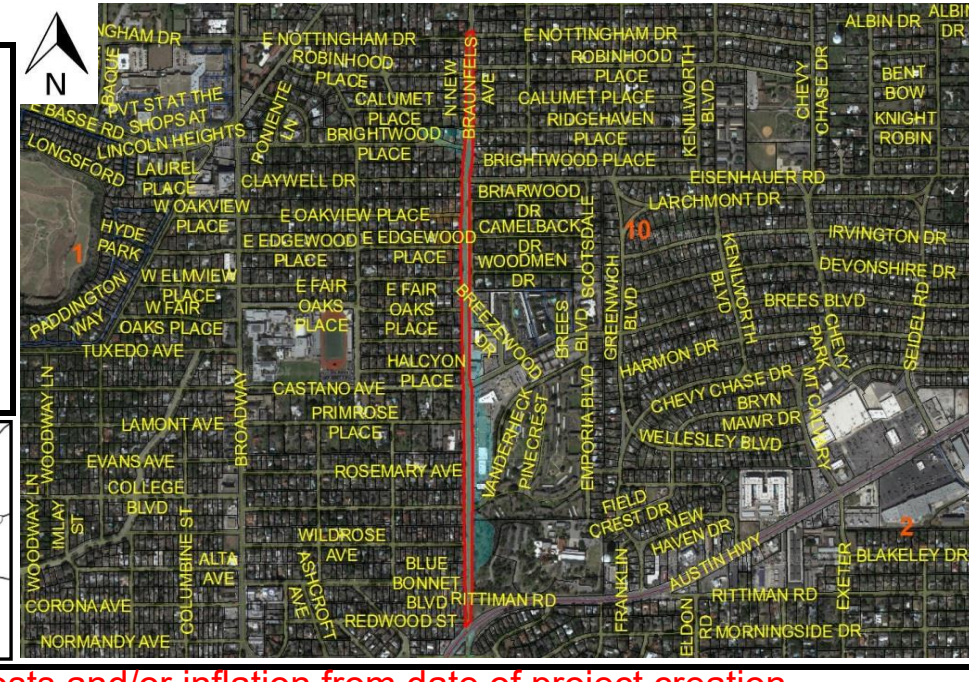
Cost Information

Category	*	Cost
Design		$2,653,990
Real Estate		$0
Environmental		$441,450
Miscellaneous		$75,210
Construction		$22,911,118
Total Cost*		$26,082,000

*Rounded up to the nearest thousand

Project Description

This project comprises the installation of an underground drainage system consisting of 2-10' X 6' to 1- 4'X4' box culverts along N. New Braunfels from Austin Hwy. to Nottingham and associated at-grade drainage structures and laterals to alleviate localized street flooding. Associated street reconstruction will include curbs, sidewalks, and driveway approaches is to be incorporated into the project. This project will not impact Broadway/Alamo Heights - LJA Engineering Drainage Study

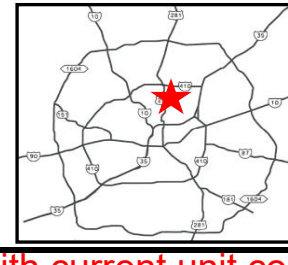


Project Type: Drainage

Type of Estimate: Planning

Project Status: Unfunded

Consultant: TBD



* Costs have not been updated with current unit costs and/or inflation from date of project creation

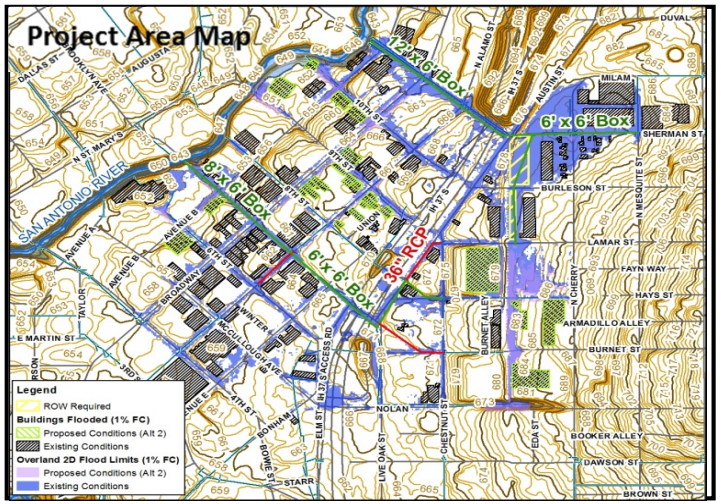
ATTACHMENT (6)

Project Summary Sheet - Level II Estimate

Project No. 150.01

7th/Brooklyn St. Drainage Project - Alt 2 (Brooklyn Ave. from IH-37 to the San Antonio River up to Lamar and Burleson East of IH-37.)

Council Districts: 1



Funding Information

Fund	Year	Amount
to be determined		-
		-
		-
		-
		-
Total Funding		$ -

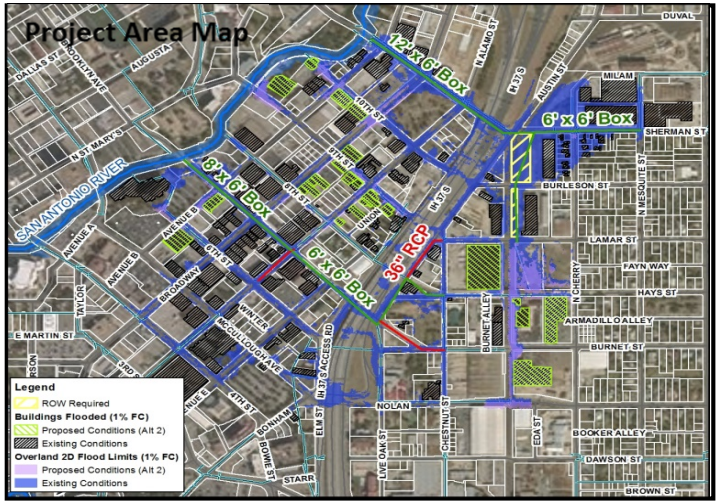
Cost Information

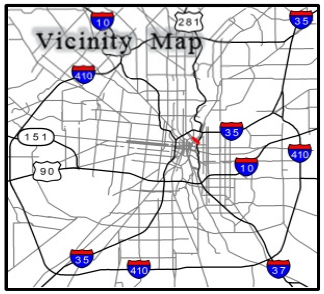
Category	Cost
Design	$2,013,757
Real Estate	$1,133,936
Environmental*	$246,354
Miscellaneous	$197,083
Construction	$17,362,679
Total Cost	$20,950,000

*Rounded to the nearest ten thousand

Project Description

Project proposes two improved SD systems along E Jones Ave. (Ranging from 6'x6' SBC to a 12'x6' SBC) and Brooklyn Ave. (Ranging from 36" RCP to 10'x6' SBC) with laterals along Austin St., Alamo St., Hays St., Burnet St., and near the railroad. Both systems outfall into the San Antonio River. Sufficient outfall capacity exists and no further downstream impacts are assumed. Underground drainage system meets the 100-yr storm as the drainage area is over 100 acres. Project includes full street reconstruction and installation of curb and inlets on impacted streets. Diversion and care of water will be required and energy dissipation could potentially be required at the outfall to the San Antonio River. Outfall treatment for trash and floatables is possible. This alternative removes 132 structures from the 100-year ultimate flood extents.





Project Type: Drainage
Estimating Consultant: HDR
Estimate Date: 07/25/16

* Costs have not been updated with current unit costs and/or inflation from date of project creation

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

ATTACHMENT (6)

PROJECT SUMMARY SHEET

Updated: 4/2/2021

Project Name: Fratt Road Outfall

Council District: 2

Project Limits: Rittiman: 700' west of Fratt to Fratt

Watershed: Salado

Future Project #: 154.02 **2022 Bond #:** xx

Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
		-
		-
		-
		-
Total Funding		$ -

Cost Information

Category	* Cost
Design	$932,502
Real Estate	$0
Environmental	$148,157
Miscellaneous	$0
Construction	$7,584,446
Total Cost*	$8,670,000

*Rounded up to the nearest ten thousand

Project Description

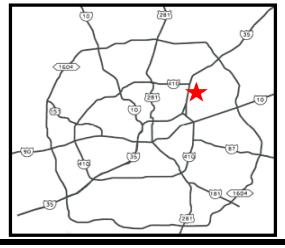
Storm water ponds along Fratt and adjacent properties due to flat street grades, lack of underground system for most of Fratt, and poorly defined roadside bar ditches. The roadway continues to be overlaid without milling, which raises the profile above the adjacent lots, so the flow can't cross the road to make its own way south. This project will extend the underground system on Fratt north approximately 3,900 feet from Rittiman to Village Lawn. Phase I will provide proper outfall for subsequent phases.

Project Type: Drainage

Type of Estimate: Planning

Project Status: Unfunded

Consultant: TBD



* Costs have not been updated with current unit costs and/or inflation from date of project creation

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

ATTACHMENT (6)

PROJECT SUMMARY SHEET

Updated: 9/9/2019

Project Name: E. Huff Area Drainage Improvements

Council District: 3

Project Limits: Mission Rd from E. Huff Ave to E. White Ave and E. White from Mission to Roosevelt Ave

Watershed: San Antonio River

Potential Project #: 202.01 **2017 Bond #:** xx

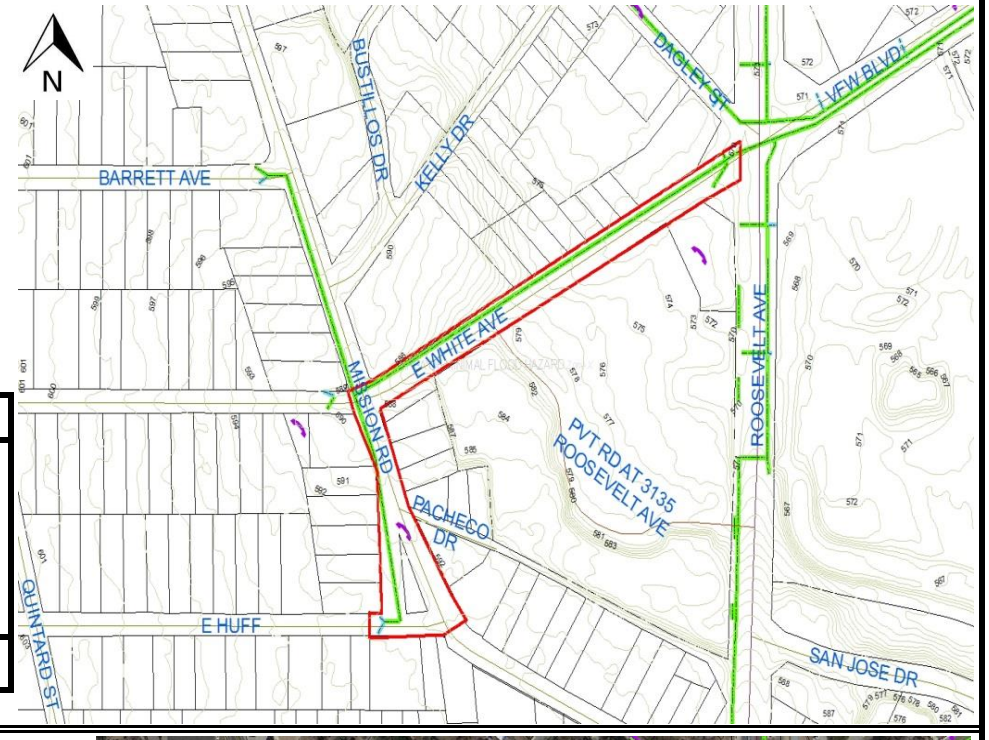
Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
		-
		-
		-
		-
Total Funding		$ -

Cost Information

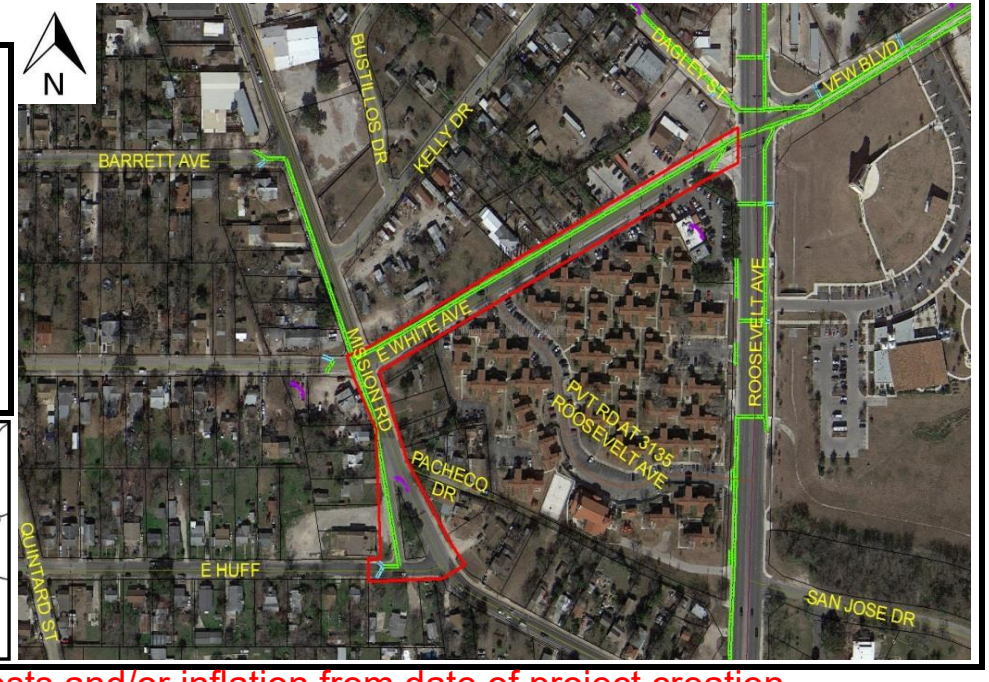
Category	*	Cost
Design		$749,536
Real Estate		$0
Environmental		$90,425
Miscellaneous		$26,432
Construction		$6,106,112
Total Cost*		$6,973,000

*Rounded up to the nearest thousand



Project Description

Residents on E. Huff, Mission Rd and White Ave reported street flooding issues in the E Huff Ave area from the lack of proper street capacity and drainage infrastructure. This proposed project comprises of reconstructing parts of E. Huff Ave, Mission Rd and E. White Ave along with adding an underground drainage system. The streets reconstruction will include curbs, sidewalks and driveways; with the drainage system having curb inlets and pipes/culverts starting with 42inch RCPs on Mission Road and increasing to an 8X5 box culvert on E. White Road.

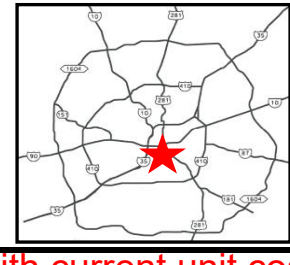


Project Type: Drainage

Type of Estimate: Planning

Project Status: Unfunded

Consultant: TBD



* Costs have not been updated with current unit costs and/or inflation from date of project creation

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

ATTACHMENT (6)

PROJECT SUMMARY SHEET

Updated: 4/1/2021

Project Name: Belford Area Drainage Phase IIA

Council District: 3

Project Limits: Pickwell from Harcourt to Utopia; Utopia from Fairlawn to Belford

Watershed: Salado

Future Project #: 1000.02 **2022 Bond #:** xx

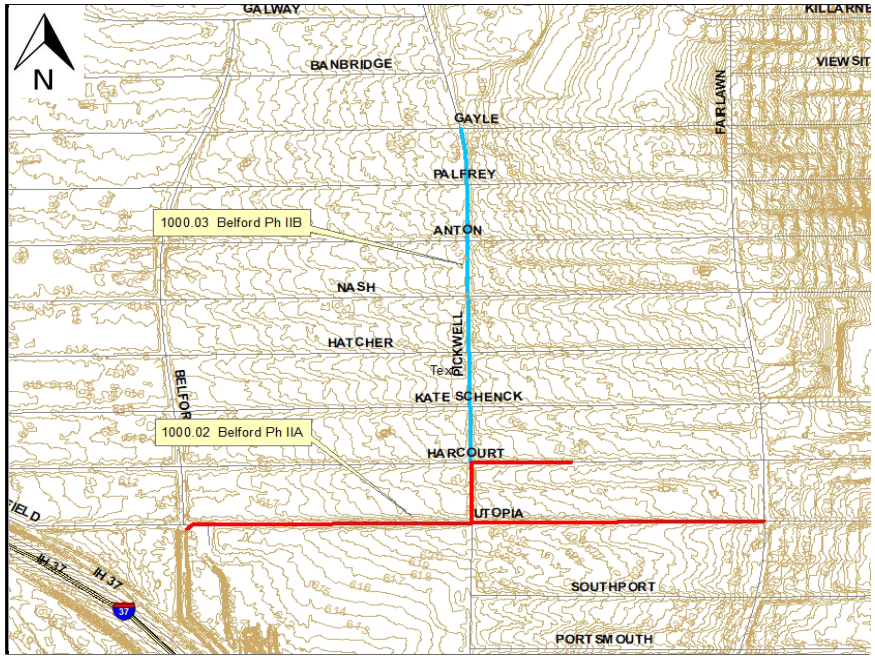
Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
		-
		-
		-
		-
Total Funding		$ -

Cost Information

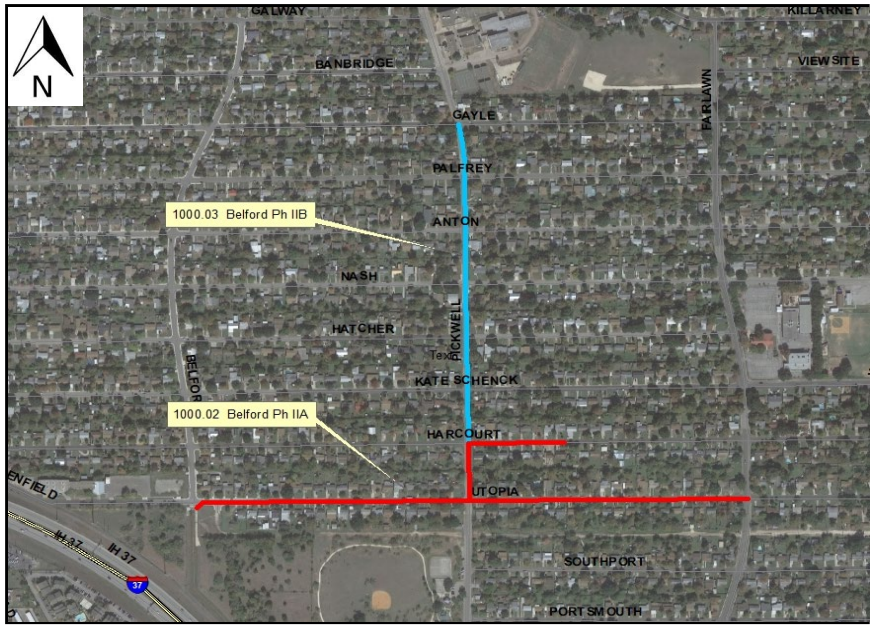
Category	* Cost
Design	$1,738,324
Real Estate	$0
Environmental	$148,157
Miscellaneous	$61,210
Construction	$14,698,407
Total Cost*	$16,647,000

*Rounded up to the nearest thousand



Project Description

The storm drain system constructed as part of the 2012 Belford Area Drainage Improvements project is under capacity (5-year). This project will construct a parallel system along Pickwell from Palfrey to Utopia to intercept flow before it reaches the 2012 project. Storm drain laterals on Harcourt and on Utopia are also recommended to reduce local street flows. The project outfalls into the existing channel south of the intersection of Utopia and Belford. Since the channel design includes flows from Belford Phase II, no further downstream impacts are expected. Project includes street reconstruction with curb and gutters. Underground drainage system meets the 100-yr storm. The project will remove 74 of 104 structures from the 100-yr inundation limits and significantly reduces street flooding.

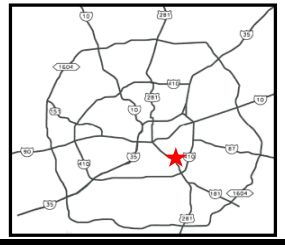


Project Type: Drainage

Type of Estimate: Planning

Project Status: Unfunded

Consultant: TBD



* Costs have not been updated with current unit costs and/or inflation from date of project creation

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

ATTACHMENT (6)
PROJECT SUMMARY SHEET

Updated: 5/20/2021

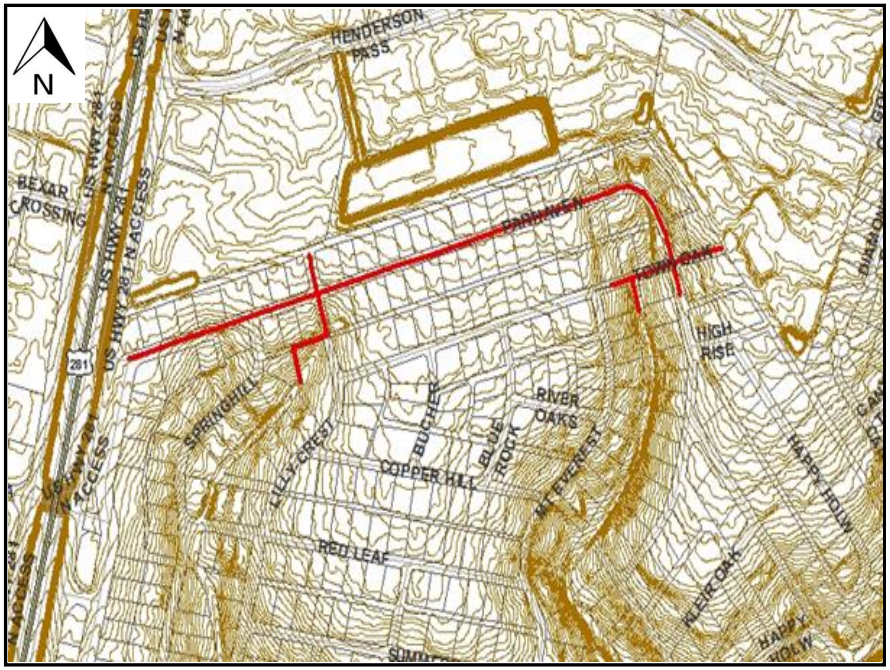
Project Name: Kentwood Manor Phase II Drainage Improvements

Council District: 9

Project Limits: Parhaven: Silverwood to 135' south of Town Oak; Town Oak: 82' east of MT. Everest to Street End

Watershed: Salado

Future Project #: 1004.01



Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
		-
		-
		-
		-
Total Funding		$ -

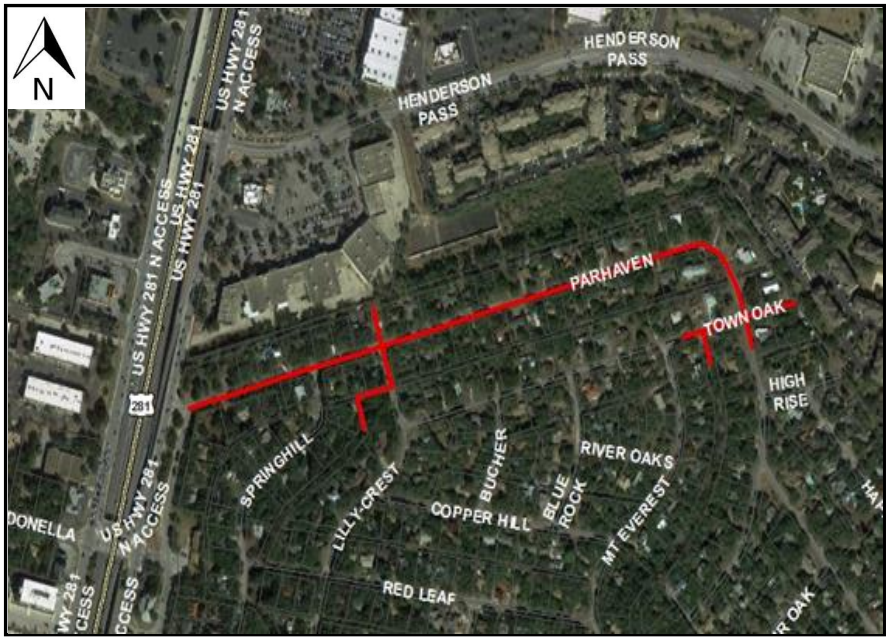
Cost Information

Category *	Cost
Design	$800,296
Real Estate	$0
Environmental	$28,885
Miscellaneous	$0
Construction	$6,592,581
Total Cost*	$7,430,000

*Rounded up to the nearest ten thousand

Project Description

The Oak Haven Heights Subdivision (Kentwood neighborhood) is experiencing storm water impacts directed from upstream commercial and multi-family development in addition to their neighborhood residential lot to lot drainage.The street geometry in this area is a rural street section with no curbs and sidewalks. Many of the bar ditches are flat and not well defined and the majority of driveway approaches are at street grade while a few have a drive culvert crossing or are constructed to allow bypass of the storm water. During a high intensity rainstorm there is flooding. This project proposes the construction of an underground storm water system with the addition of curbs and sidewalks. The project will assist to alleviate localized flooding and improve stormwater conveyance during high intensity rainstorm events.

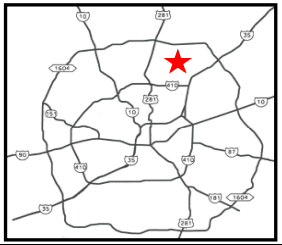


Project Type: Drainage

Type of Estimate: Planning

Project Status: Unfunded

Consultant: TBD



* Costs have not been updated with current unit costs and/or inflation from date of project creation

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

ATTACHMENT (6)
PROJECT SUMMARY SHEET

Updated: 2/4/2021

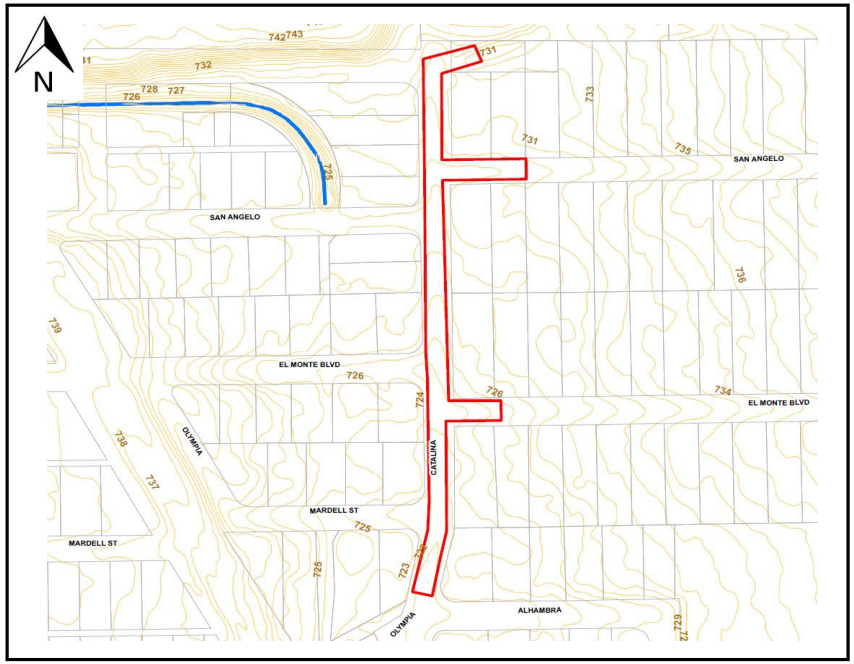
Project Name: Olympia Drainage Phase II

Council District: 1

Project Limits: North: Dead end of Catalina Ave. - South: Intersection of Olympia Dr. and Alhambra. - East: Capitol Ave. - West: Railroad.

Watershed: San Antonio River

Potential Project #: 1007.02



Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
		-
		-
		-
		-
Total Funding		$ -

Cost Information

Category *	Cost
Design	$448,343
Real Estate	$0
Environmental	$8,210
Miscellaneous	$6,568
Construction	$3,370,781
Total Cost*	$3,840,000

*Rounded up to the nearest 10,000

Project Description

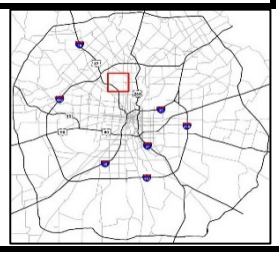
The existing system (Olympia System) consists of a 60" inlet located east of Catalina Ave. dead end and inlets at San Angelo and El Monte Blvd. near the intersection with Catalina Avenue. This storm drain system turns west at the intersection of San Angelo and Catalina Avenue and then connects through a 60'' RCP to a 9'x7' RCB that also receives flows from a drainage channel located north of San Angelo (San Angelo System). The 9'x7' RCB is unable to withstand the 100-year flows coming from the drainage channel and the Olympia System and overtops the culvert causing flooding in this area. Another issue is the inadequacy of the 60" inlet located east of Catalina Ave. dead end causing flooding at three properties next to the inlet.

Project Type: Drainage

Type of Estimate: Planning

Project Status: Unfunded

Consultant: BGE



* Costs have not been updated with current unit costs and/or inflation from date of project creation

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

ATTACHMENT (6)
PROJECT SUMMARY SHEET

Updated: 10/19/2018

Project Name: Rockwell Outfall

Council District: 3

Project Limits: Escalon Ave. from 6 Mile Creek to Gillete Blvd.

Watershed: San Antonio River

Potential Project #: 1008.01

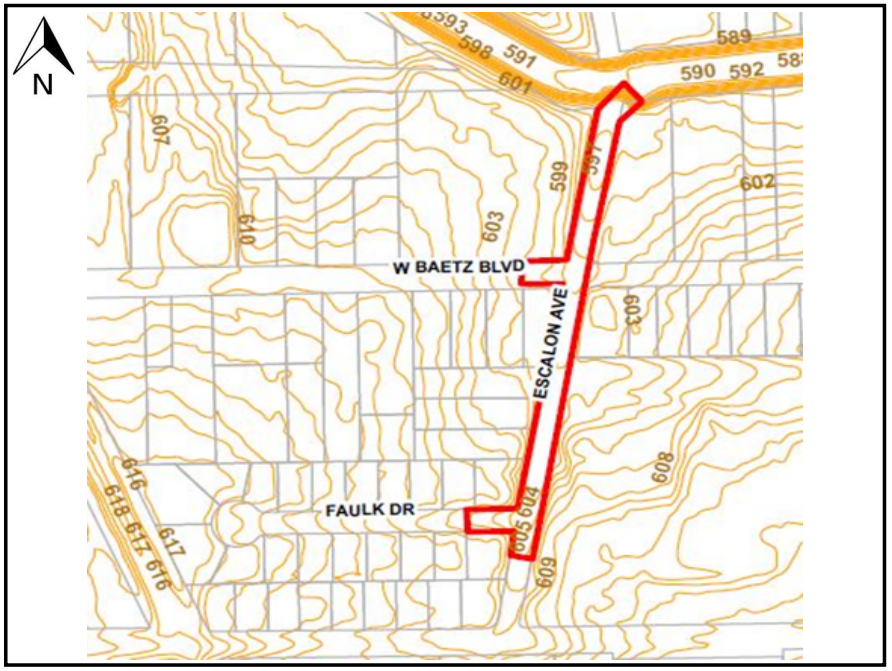
Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
		-
		-
		-
		-
Total Funding		$ -

Cost Information

Category *	Cost
Design	$95,335
Real Estate	$0
Environmental	$5,600
Miscellaneous	$4,480
Construction	$540,619
Total Cost*	$647,000

*Rounded up to the nearest thousand



Project Description

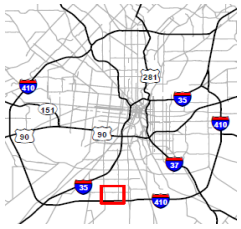
Construct a stormdrain system at Faulk Dr to the intersection of Escalon Ave and will connect to the existing stormdrain system at Escalon Ave. Construct a stormdrain system at W Baetz Blvd to the intersection of Escalon Ave and will connect to the existing stormdrain system at Escalon Ave. Construct inlets on Escalon Ave and connect to the existing stormdrain system. Associated street reconstruction to include curbs, sidewalks, and driveway approaches be incorporated into the project.

Project Type: Drainage

Type of Estimate: Planning

Project Status: Unfunded

Consultant: TBD



* Costs have not been updated with current unit costs and/or inflation from date of project creation

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

ATTACHMENT (6)
PROJECT SUMMARY SHEET

Updated: 9/30/2019

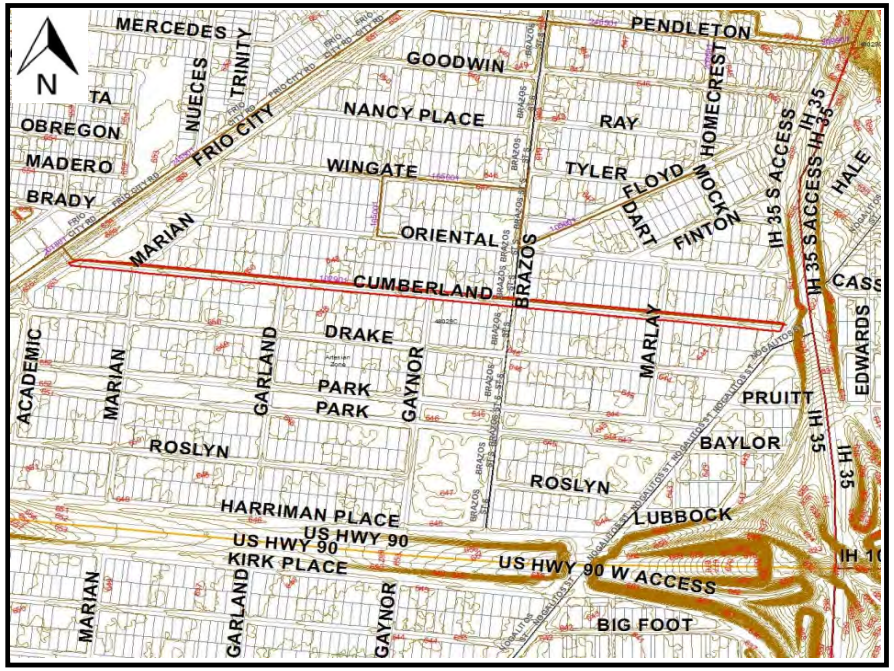
Project Name: Cumberland Area Drainage Improvement

Council District: 5

Project Limits: Nogalitos to Frio City Road

Watershed: San Antonio River

Future Project #: 1029.01



Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
		-
		-
		-
		-
Total Funding		$ -

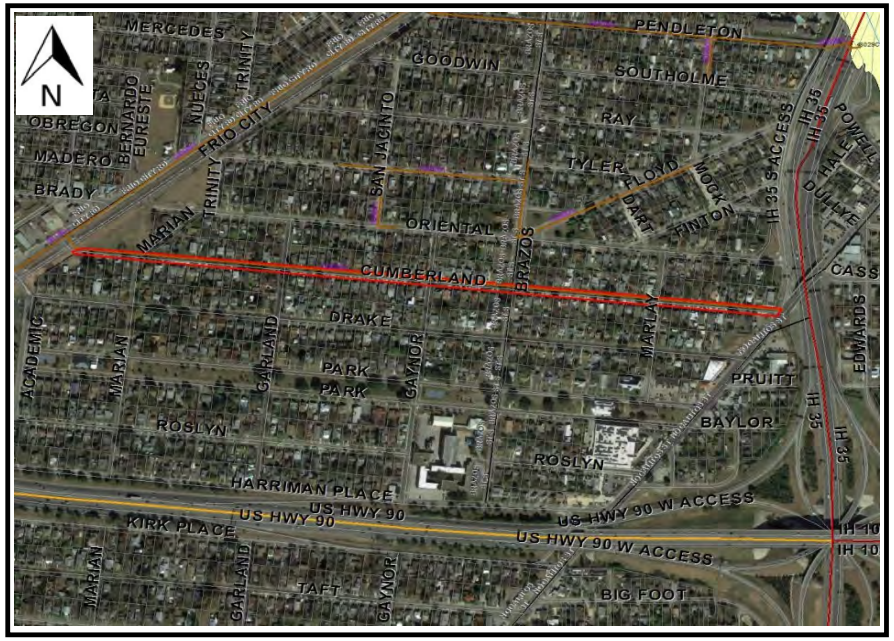
Cost Information

Category *	Cost
Design	$625,586
Real Estate	$0
Environmental	$114,450
Miscellaneous	$4,360
Construction	$5,095,991
Total Cost*	$5,850,000

*Rounded up to the nearest $10,000

Project Description

Area residents have reported that poor local drainage has caused flooding and standing water on Cumberland Rd. in the past. This project will reconstruct Cumberland from Nogalitos to Frio City Rd. and install an underground drainage system. Street reconstruction will include curbs, sidewalks and driveway approaches where necessary.

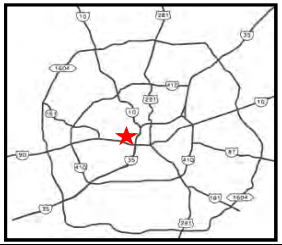


Project Type: Drainage

Type of Estimate: Planning

Project Status: Unfunded

Consultant: TBD



* Costs have not been updated with current unit costs and/or inflation from date of project creation

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

ATTACHMENT (6)

PROJECT SUMMARY SHEET

Updated: 8/24/2021

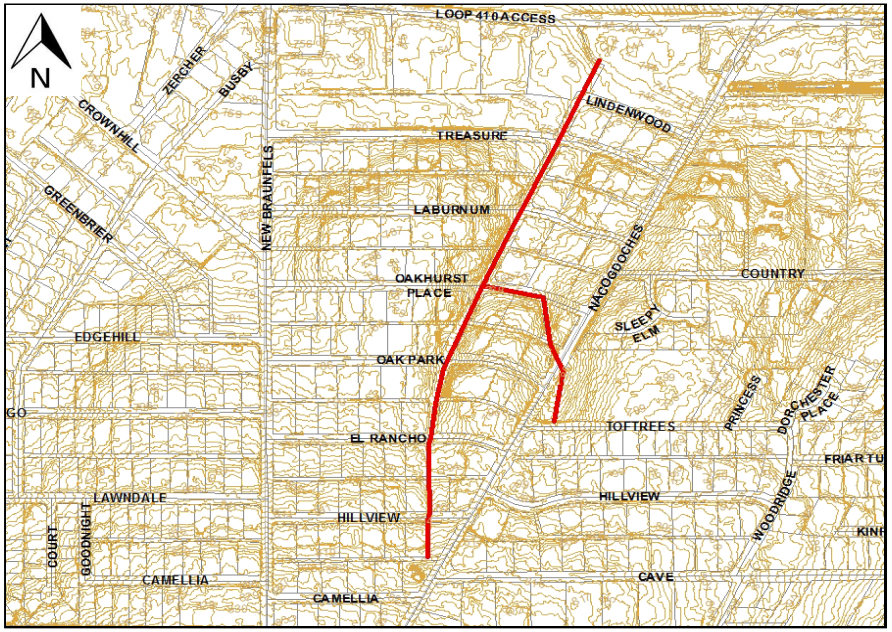
Project Name: Lindenwood Drainage Improvement

Council District: 10

Project Limits: Lindenwood to Hillview and Toftrees to Lindenwood

Watershed: Salado

Future Project #: 1034.01 **2022 Bond #:** xx



Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
		-
		-
		-
Total Funding		$ -

Cost Information

Category	*	Cost
Design		$2,239,894
Real Estate		$870,714
Environmental		$41,734
Construction		$12,585,510
Total Cost*		$15,740,000

*Rounded up to the nearest ten thousand

Project Description

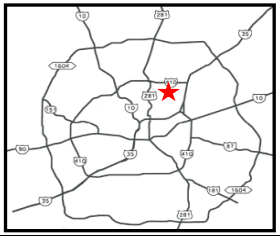
Storm water traverses through 164 and 165 Hillview and 210 El Rancho through shallow concrete channels. This storm water confluences at the intersection of Lindenwood and El Rancho. Lindenwood street serves as the storm water conveyance system for (9) intersecting streets that includes El Rancho through Treasure. Due to the amount of storm water conveyed through Lindenwood, at least (1) property has been impacted. Additionally, runoff conveyed from Toftrees and follows a natural streamline through 2120 Nacogdoches and 218 Oakhurst has impacted the latter property. This storm water is ultimately conveyed to Lindenwood. The project proposes the construction fo an underground drainage system. Impacted sidewalks, curbs, and drives will be reconstructed and r.o.w. acquisition is required. This project will reduce to properties and provide a more efficient storm water system.

Project Type: Drainage

Type of Estimate: Planning

Project Status: Unfunded

Consultant: TBD



* Costs have not been updated with current unit costs and/or inflation from date of project creation

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

ATTACHMENT (6)

PROJECT SUMMARY SHEET

Updated: 6/3/2020

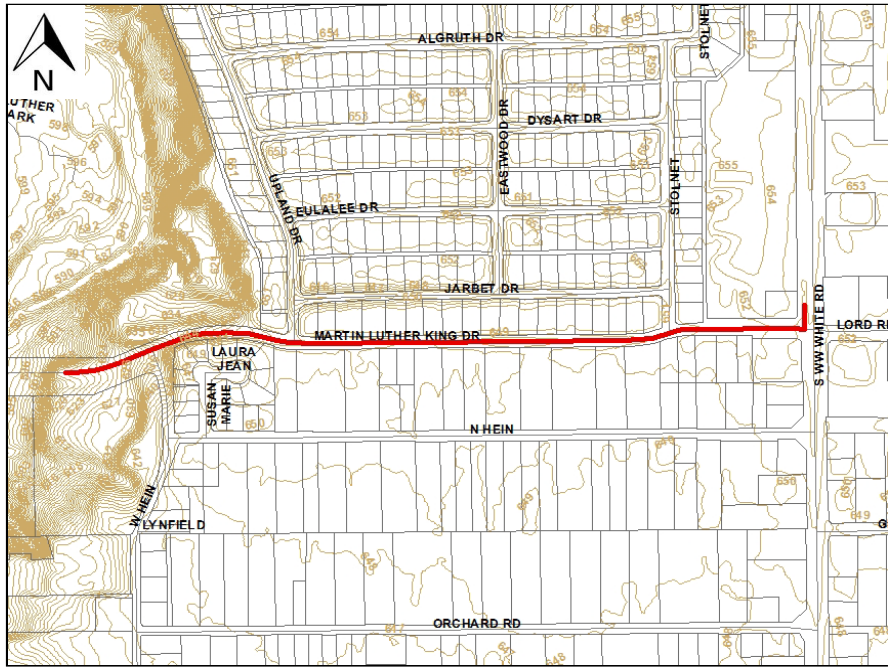
Project Name: WW White Ph IIA (MLK Outfall)

Council District: 2

Project Limits: From WW White 100' north of MLK to MLK 385' west of W. Hein

Watershed: Salado

Future Project #: 1051.04 **2017 Bond #:** xx



Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
		-
		-
		-
		-
Total Funding		$ -

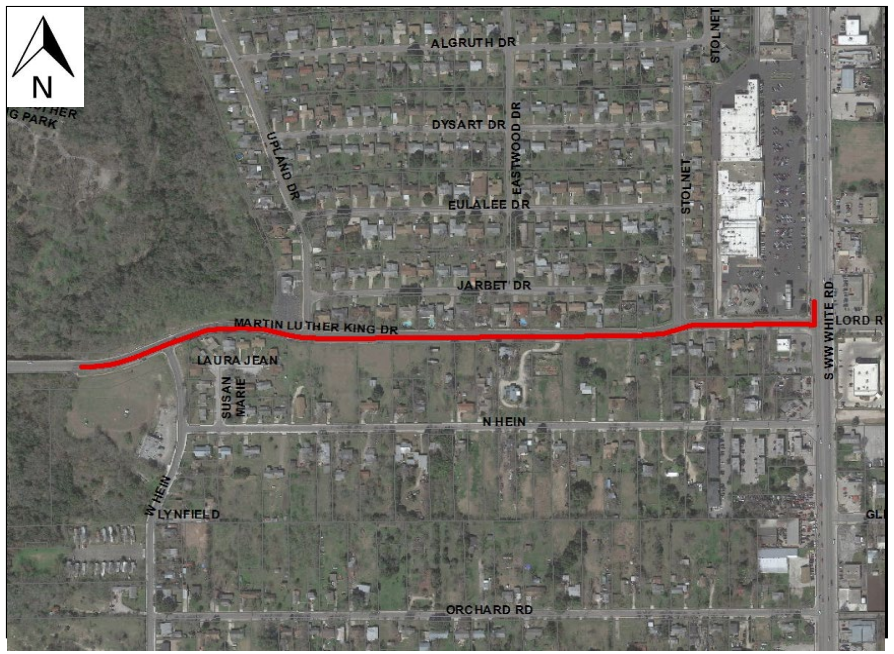
Cost Information

Category	*	Cost
Design		$1,034,244
Real Estate		$0
Environmental		$118,247
Miscellaneous		$26,432
Construction		$8,744,701
Total Cost*		$9,924,000

*Rounded up to the nearest thousand

Project Description

The west section of WW White within these limits is currently under capacity during a 25-year storm. This project consists of a storm drain system on Martin Luther King Dr. This system will provide the outfall for the northern system along WW White (Ph II) as far as the bus stop on WW White. The storm drain will continue down MLK and discharge into Salado Creek. Concrete swales will be built along WW White for the entire length of the project. The concrete swale will provide positive drainage, allowing the water to flow down the side streets, following existing drainage patterns. Where storm sewer is proposed, the concrete swale will direct flows to grate inlets discharging to the proposed storm sewer. The swales will be v-ditches with max 6:1 side slopes to allow them to also be used as access to adjacent businesses.

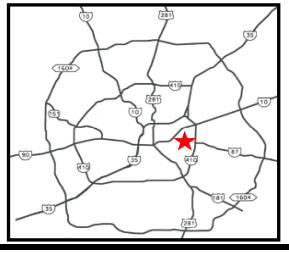


Project Type: Drainage

Type of Estimate: Planning

Project Status: Unfunded

Consultant: TBD



* Costs have not been updated with current unit costs and/or inflation from date of project creation

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

ATTACHMENT (6)

PROJECT SUMMARY SHEET

Updated: 8/20/2021

Project Name: Blanco Rd. Drainage Improvements

Council District: 9

Project Limits: Sir Winston to Parliament

Watershed: Salado

Future Project #: 1065.01 **2022 Bond #:** xx

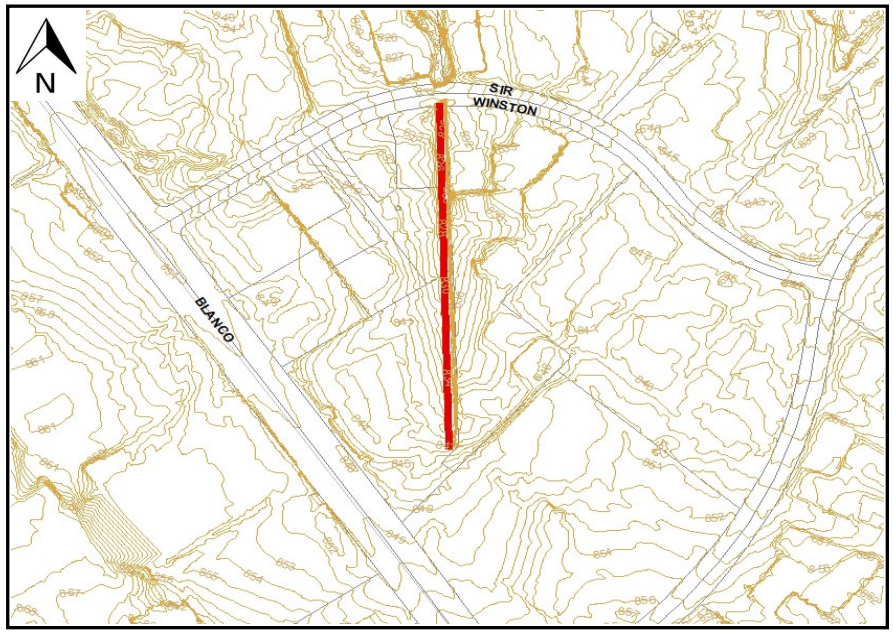
Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
		-
		-
		-
Total Funding		$ -

Cost Information

Category	*	Cost
Design		$712,147
Real Estate		$0
Environmental		$71,472
Construction		$2,148,069
Total Cost*		$2,940,000

*Rounded up to the nearest ten thousand



Project Description

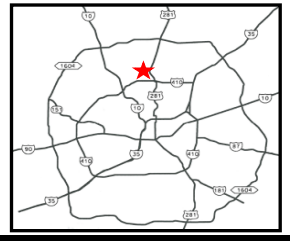
The concrete lined channel between Blanco and Sir Winston is experiencing overtopping during rain events along the length of the channel. This project will adjust the profile and geometry of the concrete channel to prevent overtopping.

Project Type: Drainage

Type of Estimate: Planning

Project Status: Unfunded

Consultant: TBD



* Costs have not been updated with current unit costs and/or inflation from date of project creation

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

ATTACHMENT (6)
PROJECT SUMMARY SHEET

Updated: 5/5/2021

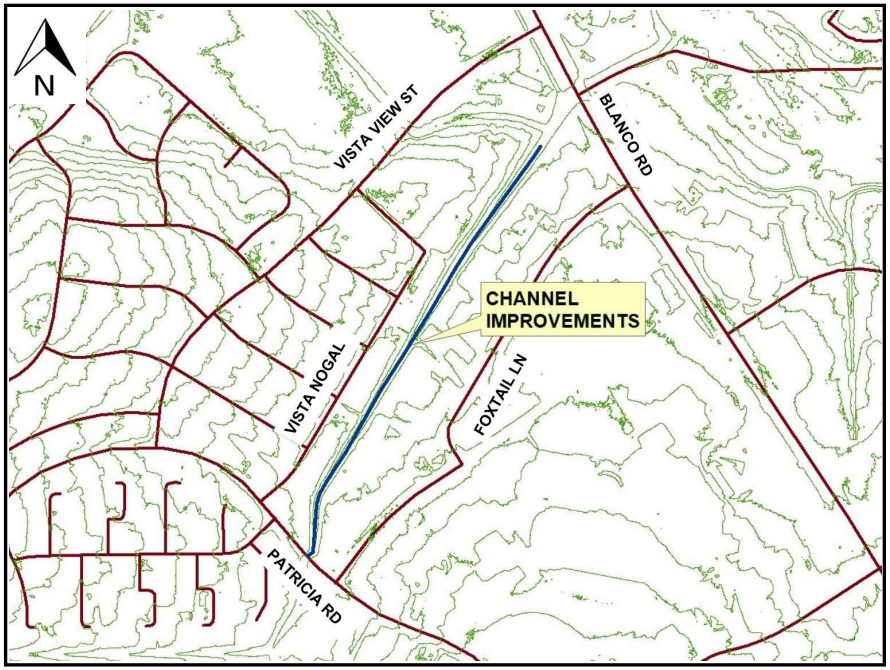
Project Name: Patricia Channel Improvement

Council District: 9

Project Limits: from Patricia to Blanco east of Vista Nogal

Watershed: Salado

Future Project #: 1069.01



Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
		-
		-
		-
		-
Total Funding		$ -

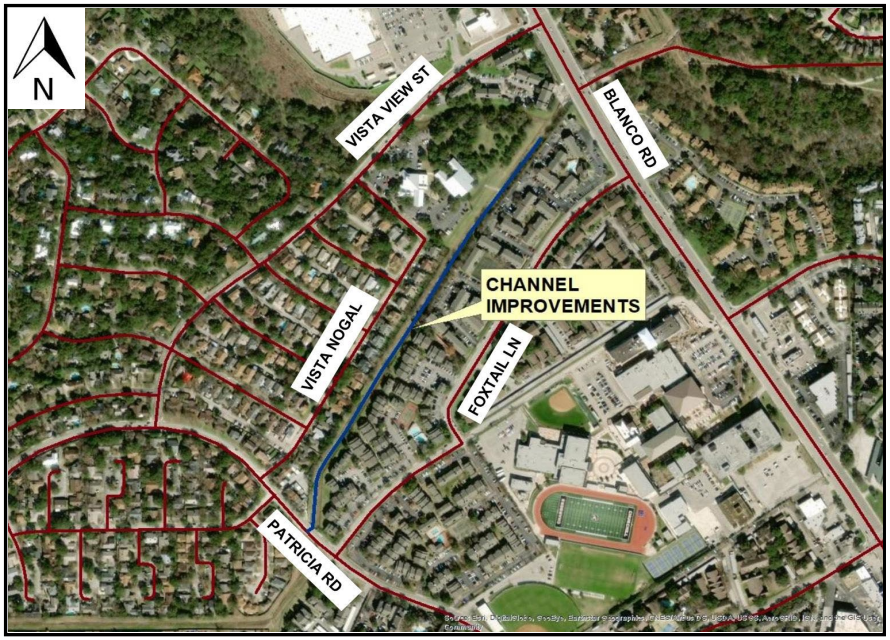
Cost Information

Category *	Cost
Design	$625,538
Real Estate	$0
Environmental	$28,885
Miscellaneous	$0
Construction	$3,899,219
Total Cost*	$4,560,000

*Rounded up to the nearest ten thousand

Project Description

A 311 call reported the channel overtopping in the vicinity of 11851 Belair Drive. This project will improve the existing from patricia Road to Blanco Road and prevent overtopping.

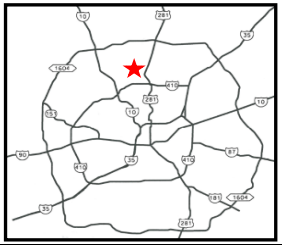


Project Type: Drainage

Type of Estimate: Planning

Project Status: Unfunded

Consultant: TBD



* Costs have not been updated with current unit costs and/or inflation from date of project creation

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

ATTACHMENT (6)
PROJECT SUMMARY SHEET

Updated: 5/5/2021

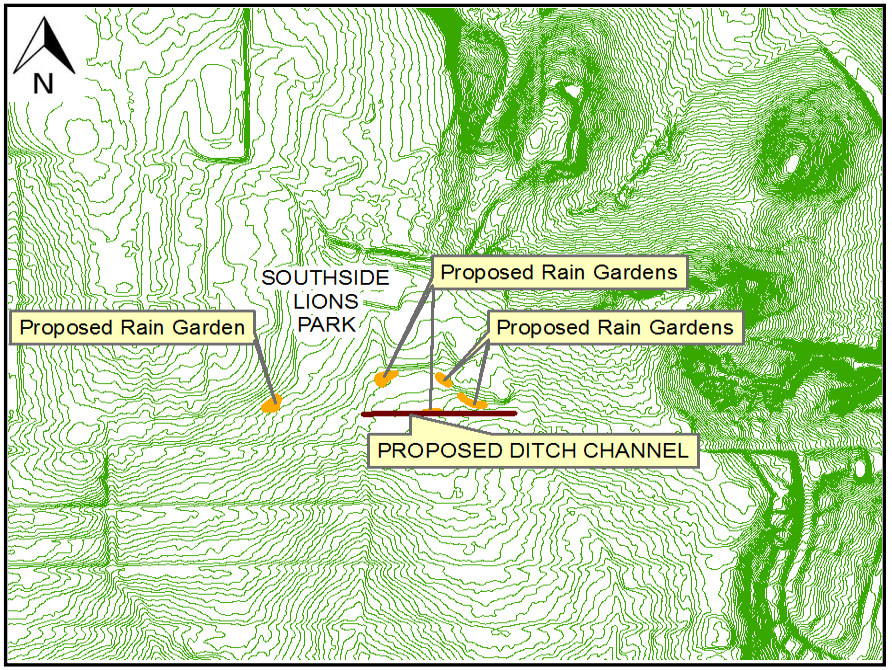
Project Name: Stringfellow/Southside Lions Park

Council District: 3

Project Limits: on Southside Lions Park from Kellis to Pecan Valley

Watershed: Salado

Future Project #: 1076.01



Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
		-
		-
		-
		-
Total Funding		$ -

Cost Information

Category *	Cost
Design	$104,855
Real Estate	$0
Environmental	$119,280
Miscellaneous	$0
Construction	$689,965
Total Cost*	$920,000

*Rounded up to the nearest ten thousand

Project Description

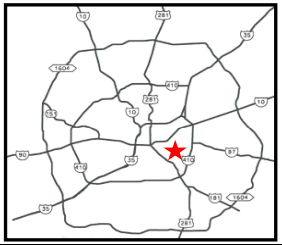
At the southwest corner of the park, near the Southside Lions Center, storm water from the park gets trapped along the park access street at the right-of way. This affects the residents that have property between Kellis Avenue and Stringfellow Street. The excess ponding flows into the backyards of the properties along the fence line. Rain gardens are proposed at strategically determined locations as a way to reduce flows towards Pecan Valley. Exact locations were chosen to avoid areas that contained large trees and utilities. A trapezoidal channel is proposed along the southern right-of-way to Stringfellow Street to convey the remainder of the desing flow. The project will mitigate localized flooding in the backyards of the properties along the fence line.

Project Type: Drainage

Type of Estimate: Planning

Project Status: Unfunded

Consultant: TBD



* Costs have not been updated with current unit costs and/or inflation from date of project creation

ATTACHMENT (6)
PROJECT QUAD SHEET

Project Name: Shearer Hills Storm Water Improvements

Council District: 1

Project Limits: Anne Lewis to Dubie Dr. to Dipper Dr.

Watershed: Upper San Antonio River

Future Project #: 1080.01

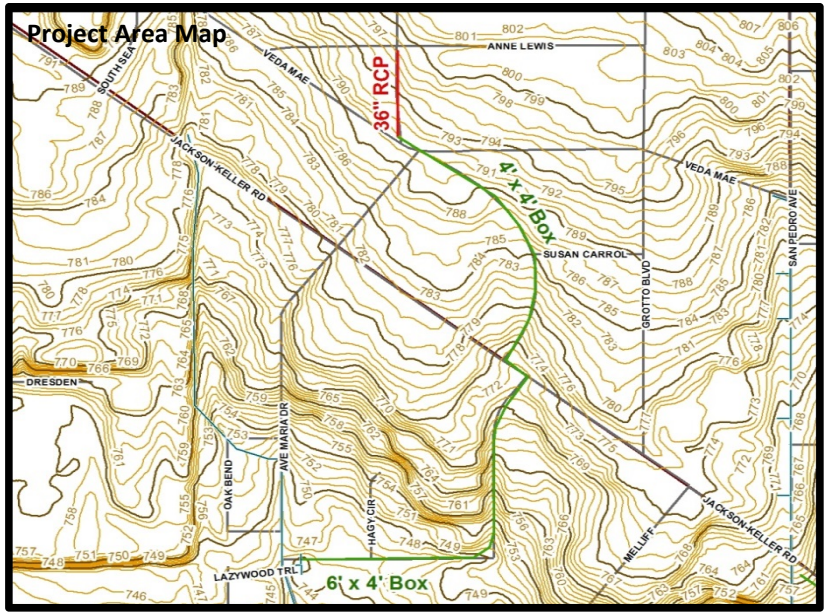
Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
Total Funding		$ -

Cost Information

Category		Cost
Engineering	* $	558,054
Construction	$	4,473,608
Other Construction	$	100,604
Management	$	652,311
Inflation	$	653,802
Total Cost*	$	6,440,000

*Rounded to the nearest ten thousand



Approximate Construction Cost Distribution: Street 33.5%, Drainage 66.5%, Traffic 0%

Project Description

This project proposes the construction of a new underground drainage system along Shearer Hills starting with a 36" RCP south of Anne Lewis Dr. and increasing to a 6'X4' box until connecting with the existing 8'x4' MBC system at the intersection of Ave Maria Dr. The improvements will require associated street reconstruction to include curbs, pavement and driveway approaches be incorporated into the project.

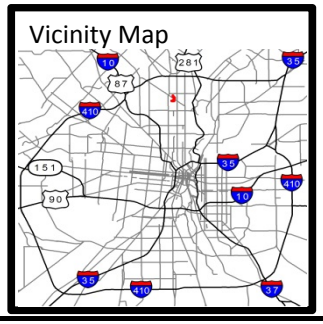
Project Type: Drainage

Type of Estimate: Level I

Project Status: Planning Limited Detail

Project Funding Status: Unfunded

Consultant: HDR



* Costs have not been updated with current unit costs and/or inflation from date of project creation

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

ATTACHMENT (6)
PROJECT SUMMARY SHEET

Updated: 1/8/2021

Project Name: Five Palms at Elm Valley Area Drainage Improvements

Council District: 4

Project Limits: Approximately 860 LF South of Five Palms/Elm Valley intersection to Fawn Valley Drive

Watershed: Leon Creek

Future Project #: 1086.01 **2022 Bond #:** N/A

Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
		-
		-
		-
		-
Total Funding		$ -

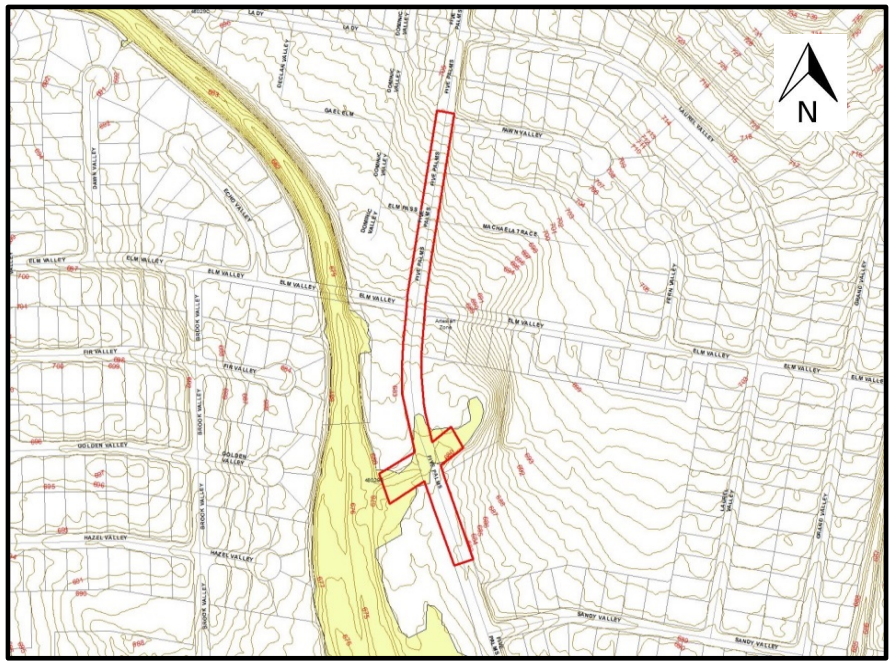
Cost Information

Category		Cost
Design	$	864,704
Real Estate	$	46,526
Environmental	$	167,789
Miscellaneous	$	150,211
Construction	$	5,915,424
Total Cost*		$7,150,000

*Rounded up to the nearest $10,000

Project Description

Area residents have expressed concerns about runoff from the street going over sidewalks, entering properties and making it difficult for children to walk to school. The existing culvert at the low is undersized and this makes water overtop the street and sidewalk. The proposed project will upgrade the existing culvert and install a storm drain system to include 10-ft inlets, 48-inch reinforced concrete (RCP) trunk line, junction boxes, 24-inch laterals and headwalls to capture runoff and outfall into the channel located in the low point by the school. Some channel work is proposed to expand capacity and also to facilitate proper installation of the proposed culvert. Property will be acquired to accommodate the proposed channel upgrade.
Five Palms will be reconstructed within the project limits to include curbs, sidewalks, and driveway approaches where needed.

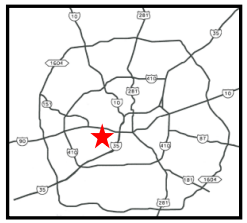


Project Type: Drainage

Type of Estimate: Planning

Project Status: Unfunded

Consultant: TBD



* Costs have not been updated with current unit costs and/or inflation from date of project creation

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

ATTACHMENT (6)
PROJECT SUMMARY SHEET

Updated: 3/11/2021

Project Name: Dorsey Dr Area Drainage Improvements

Council District: 3

Project Limits: Dorsey Dr from Garnett Ave to Moursund Blvd and Clamp Ave from Dorsey Dr to Ansley Blvd

Watershed: San Antonio River

Potential Project #: 1088.01 **2017 Bond #:** N/A

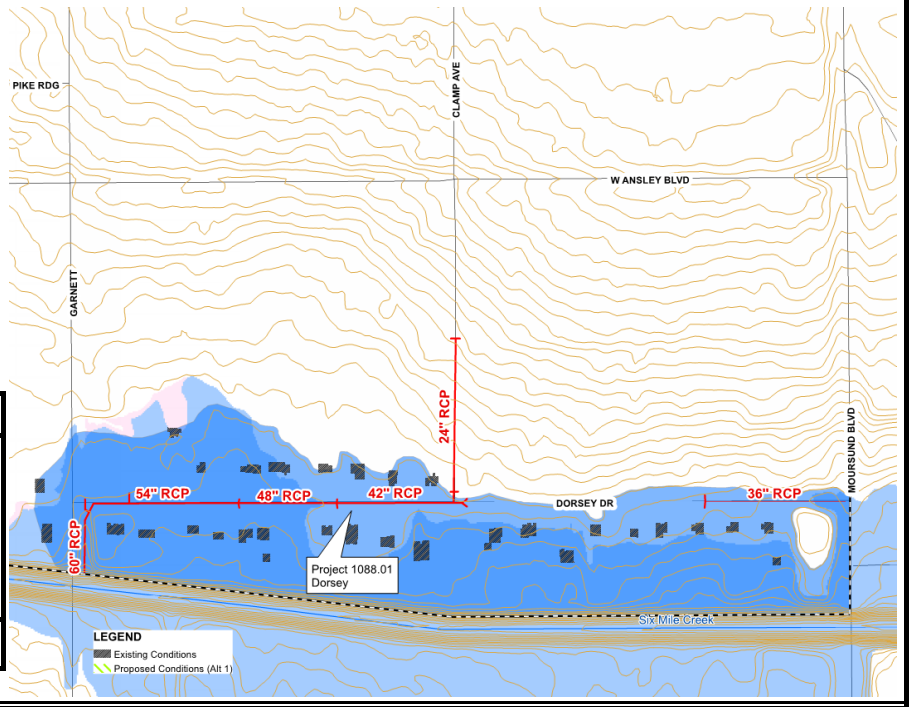
Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
		-
		-
		-
		-
Total Funding		$ -

Cost Information *

Category	Cost
Design	$716,028
Real Estate	
Environmental	$146,070
Miscellaneous	$26,432
Construction	$6,905,335
Total Cost*	$7,800,000

*Rounded up to the nearest ten thousand



Project Description

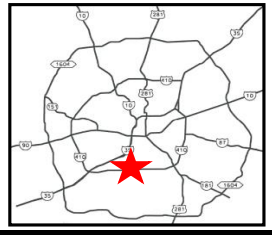
Proposed CIP includes the construction of curbs, sidewalks, and street reconstruction along Dorsey St and Clamp Ave. Storm inlets and 24-inch to 60-inch storm drains will be installed along Dorsey St and Clamp Ave and discharge into Six Mile Creek. Storm inlets and 36-inch storm drain will be installed along the east end of Dorsey St and connect to the existing storm drain along Moursund Blvd.

Project Type: Drainage

Type of Estimate: Planning

Project Status: Unfunded

Consultant: TBD



* Costs have not been updated with current unit costs and/or inflation from date of project creation

ATTACHMENT (6)
PROJECT QUAD SHEET

Project Name: Donore Place Area

Council District: 8

Project Limits: Fredericksburg Road to Tupelo Lane

Watershed: San Antonio River

Potential Project #: 1089.01

Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
		-
		-
		-
		-
Total Funding		$ -

Cost Information

Category	*	Cost
Design		$325,855
Real Estate		$0
Environmental		$5,450
Miscellaneous		$20,710
Construction		$2,573,418
Total Cost*		$2,926,000

*Rounded up to the nearest thousand

Project Description

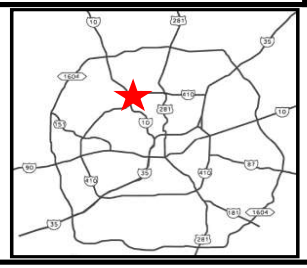
The proposed system will convey flow through a box culvert starting 950' from the intersection of Fredericksburg Road and Donore Place going north east along Donore Place. This box culvert outfalls into the existing 3-48" wide concrete pipes (on Midhorizon Drive) through an existing earthen channel. This channel crosses through a private driveway (perpendicular to Tupelo Lane) and two box culverts are proposed underneath the private driveway.The proposed system will also add curb inlets on Donore Place and Tupelo Lane, which will convey the stormwater from Donore Place and Tupelo Lane to the main outfall. The proposal also consists of reconstruction of Donore Place and construction of curb and gutter along the street to capture street flow appropriately.

Project Type: Drainage

Type of Estimate: Level 1

Project Status: Unfunded

Consultant: TBD



* Costs have not been updated with current unit costs and/or inflation from date of project creation

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

ATTACHMENT (6)
PROJECT SUMMARY SHEET

Updated: 1/6/2021

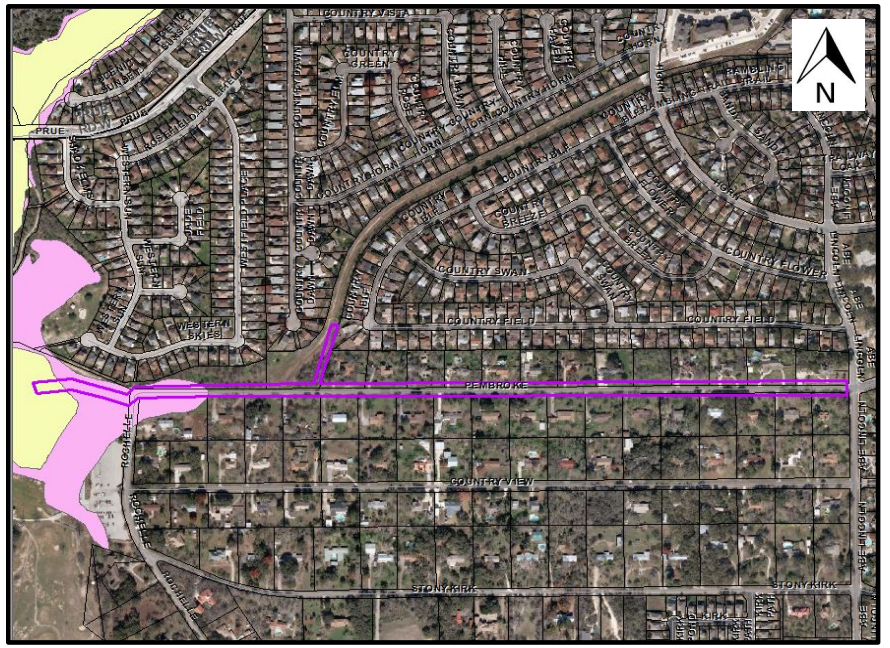
Project Name: Pembroke Rd - West Area Drainage improvements

Council District: 7

Project Limits: Rochelle to Abe Lincoln

Watershed: Leon Creek

Future Project #: 1091.01 **2022 Bond #:** N/A



Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
		-
		-
		-
		-
Total Funding		$ -

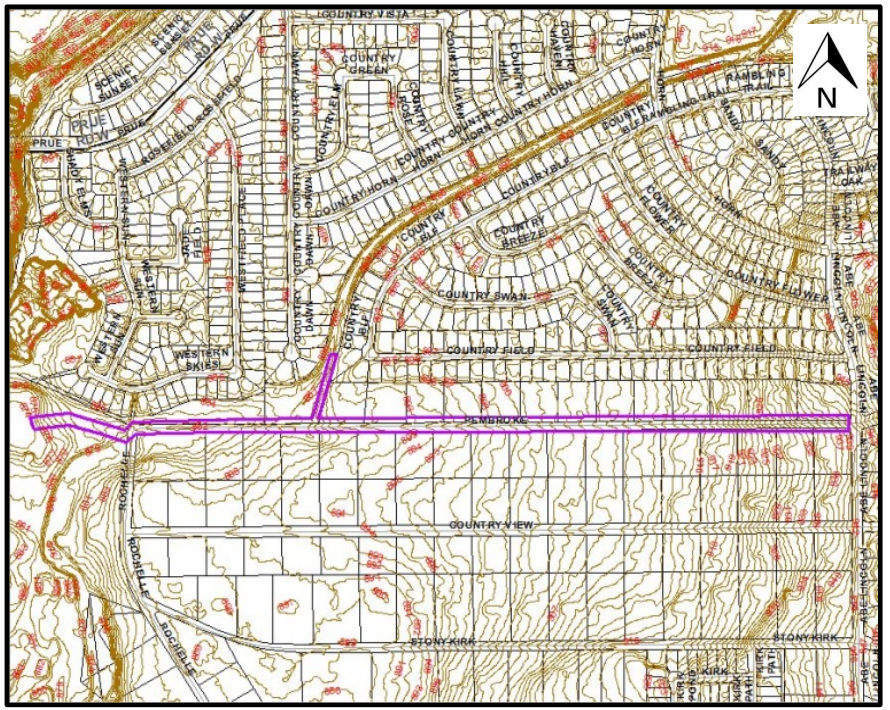
Cost Information

Category		Cost
Design	$*	2,962,222
Real Estate	$	1,170,413
Environmental	$	205,536
Miscellaneous	$	198,685
Construction	$	20,343,216
Total Cost*		$24,890,000

*Rounded up to the nearest $10,000

Project Description

Residents have expressed concerns about localized flooding and standing water on Pembroke Rd. stretching from Abe Lincoln to Rochelle. The proposed project comprises the construction of a drainage system consisting of 3'x6' grate inlets, junction boxes and reinforced concrete pipe (RCP) ranging in size from 24" to 60". Swales (bottom width=3'; SS=3H:1V) are proposed along both sides of Pembroke Rd. to convey the flow to the existing earthen channel outfall adjacent to Rochelle. It is presumed that the swales on either side of Pembroke Rd. would accommodate half the discharge going to the road. Grate inlets will be installed within the swales to provide the required capacity to convey the incoming flow. Upstream flow from north of the project site will be captured within a concrete drop structure and conveyed through an 8'x5' reinforced concrete box culvert (MBC) to sheet flow onto the golf course. Discharge from the swales outfall to the Rochelle channel and upstream discharge from north of the project site outfalls to the golf course. Dissipators will be installed to prevent scouring where flow is discharged onto the golf course and also where the swales discharge to the Rochelle channel. Pembroke Rd. will be reconstructed within the project area and will include header curbs and driveway approaches as needed. Acquisition of property is required for expansion of Pembroke Rd. to a local type A street and also for the proposed 8'x5' culvert and dissipators. Right-of-way will be required from the golf course to accommodate the outfall channel.

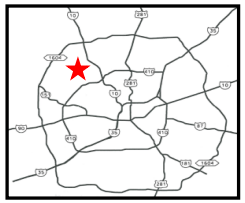


Project Type: Drainage

Type of Estimate: Planning

Project Status: Unfunded

Consultant: TBD



* Costs have not been updated with current unit costs and/or inflation from date of project creation

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

ATTACHMENT (6)

Updated: 12/14/2017

PROJECT SUMMARY SHEET

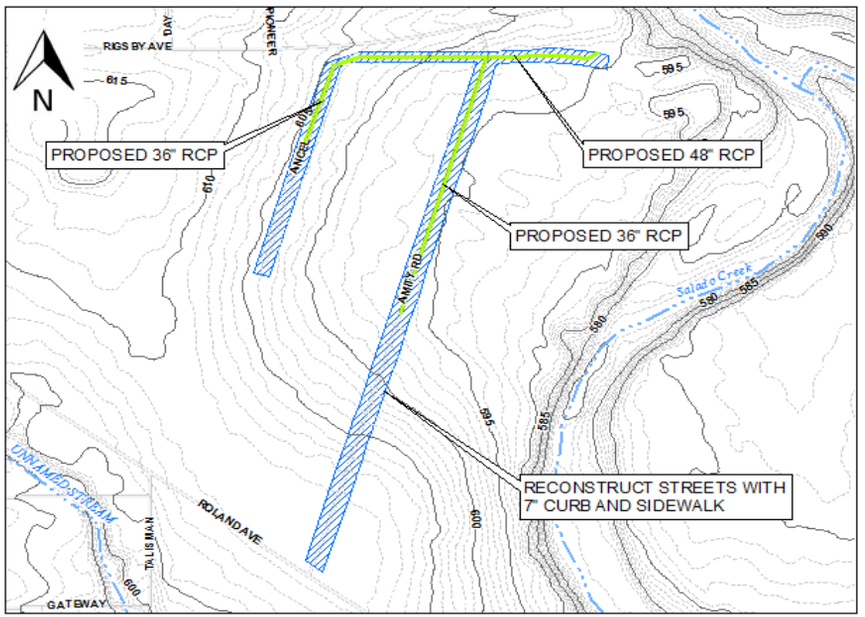
Project Name: Amity

Council District: 2

Project Limits: Roland to Rigsby Avenue

Watershed: Salado Creek

Future Project #: 2016.01



Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
Total Funding		$ -

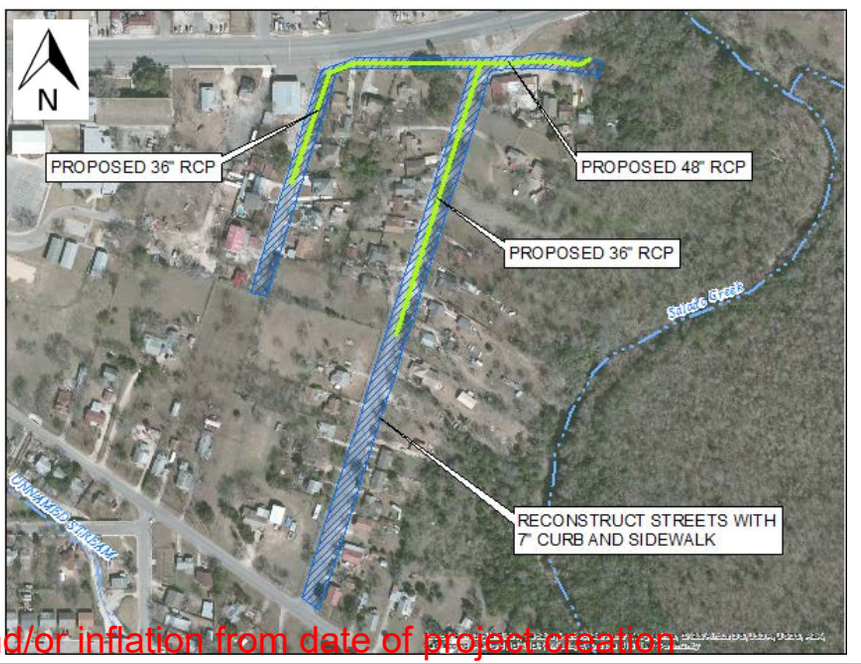
Cost Information

Category	*	Cost
Design	$	464,817
Real Estate	$	-
Environmental	$	146,070
Miscellaneous	$	47,299
Construction	$	3,636,061
Total Cost*	$	4,295,000

*Rounded up to the nearest ten thousand, ** Street 0%, Drainage 0%, Traffic 0%

Project Description

The sheet flow through properties along Ancel Rd. and Amity Rd. cause flooding and ponding and the existing streets do not contain the 25 year storm event. To mitigate this issue, a underground stormwater drainage system will be installed along Ancel Rd. and Amity Rd. A proposed outfall basin will discharge water to the Salado Creek floodplain.



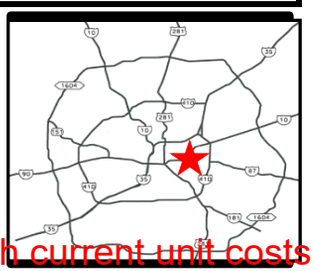
Project Type: Drainage

Type of Estimate: **Level II**

Project Status: **Planning Detailed**

Project Funding Status: **Unfunded**

Consultant: Page Dotwson



* Costs have not been updated with current unit costs and/or inflation from date of project creation.

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

ATTACHMENT (6)

Updated: 9/15/2017

PROJECT SUMMARY SHEET

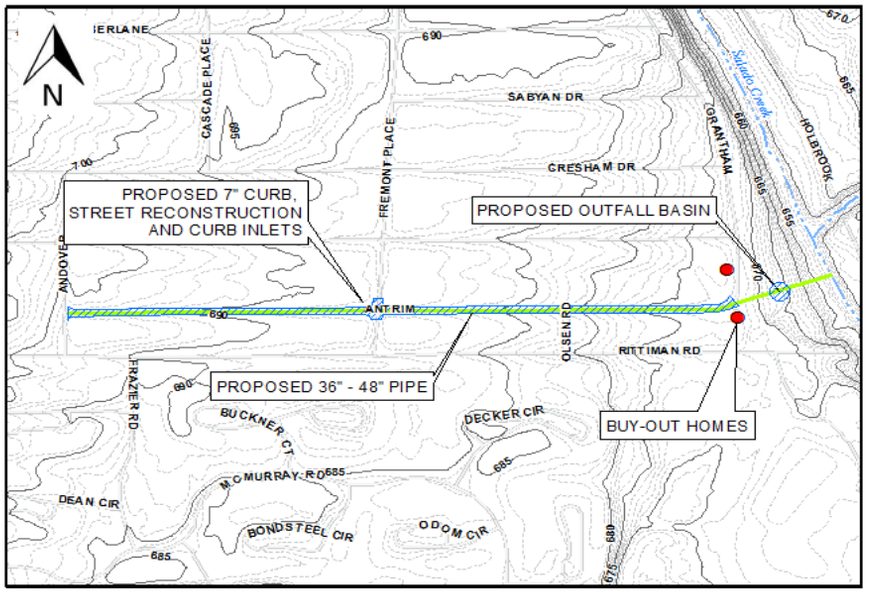
Project Name: Antrim

Council District: 2

Project Limits: Andover to Salado Creek

Watershed: Salado creek

Future Project #: 2029.01



Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
Total Funding		$ -

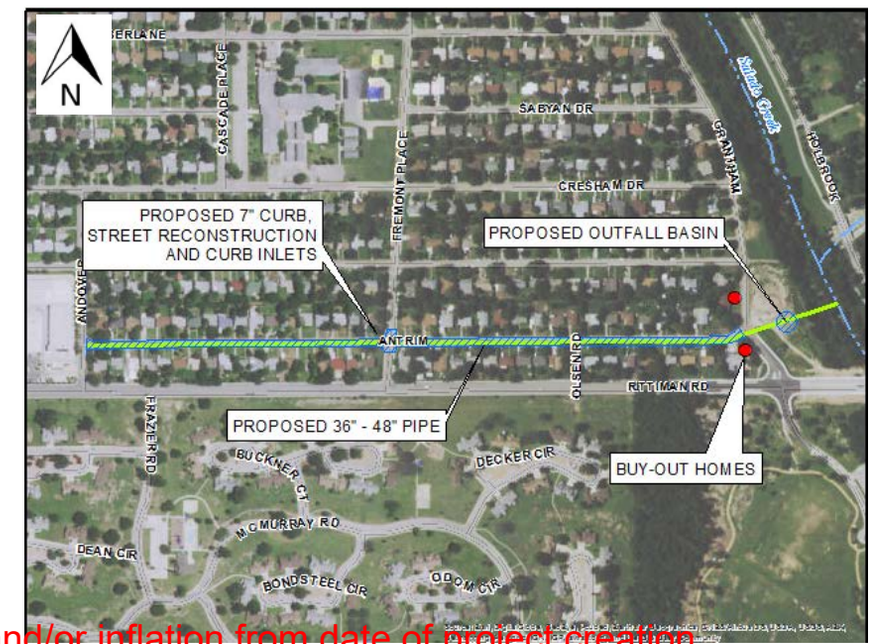
Cost Information

Category	*	Cost
Design	$	459,357
Real Estate	$	645,503
Environmental	$	5,450
Miscellaneous	$	75,210
Construction	$	3,584,556
Total Cost*	$	4,771,000

*Rounded up to the nearest ten thousand, ** Street 48.8%, Drainage 51.2%, Traffic 0%

Project Description

Runoff flows on Antrim Drive are causing flooding and the 25-year storm event overtops the existing street curbs by up to 6 inches. To mitigate this issue, a stormwater drainage system along Antrim Drive will be installed.This project will design and construct drainage improvements on Antrim from Andover to Salado Creek and buy out 2 properties in the 100 year floodplain. The project will consist of 36” RCP within the upper portion of Antrim and 48" RCP for the rest of Antrim drive. Proposed street reconstruction with 7” curbs will contain the 25year storm event on Antrim Drive. A proposed outfall basin will mitigate water to the Salado Creek floodplain.



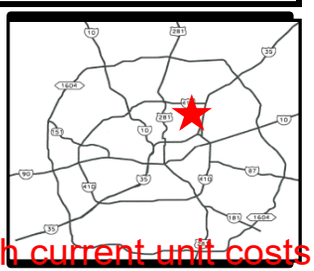
Project Type: Drainage

Type of Estimate: **Level II**

Project Status: **Planning Detailed**

Project Funding Status: **Unfunded**

Consultant: Page-Dawson



* Costs have not been updated with current unit costs and/or inflation from date of project creation

ATTACHMENT (6)
PROJECT QUAD SHEET

Updated: 1/12/2016

Project Name: Neer

Council District: 1

Project Limits: Lullwood and Hollywood Ave from Brad to Warner Ave.

Watershed: Upper San Antonio River

Future Project #: 2032.01

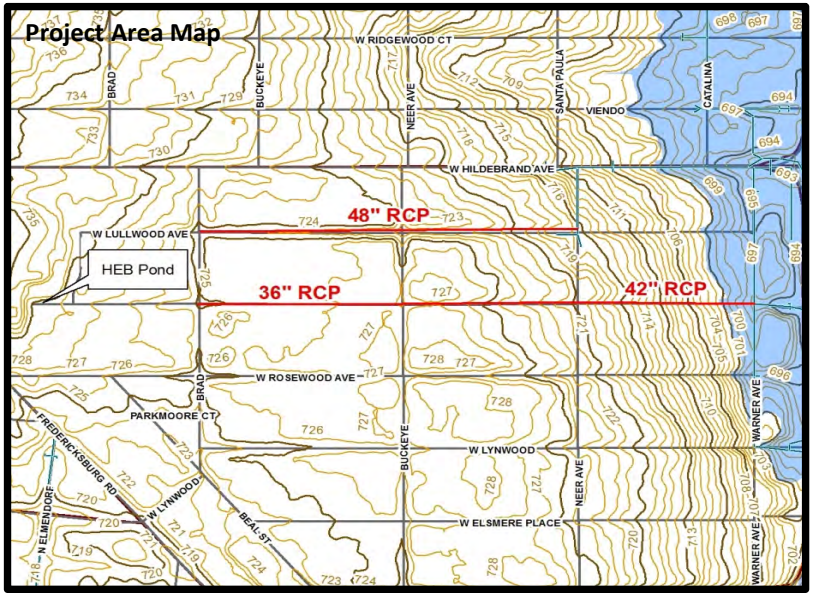
Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
Total Funding		$ -

Cost Information

Category		Cost
Engineering	$	451,887
Construction *	$	3,591,618
Other Construction	$	112,374
Management	$	528,212
Inflation	$	529,419
Total Cost*	$	5,210,000

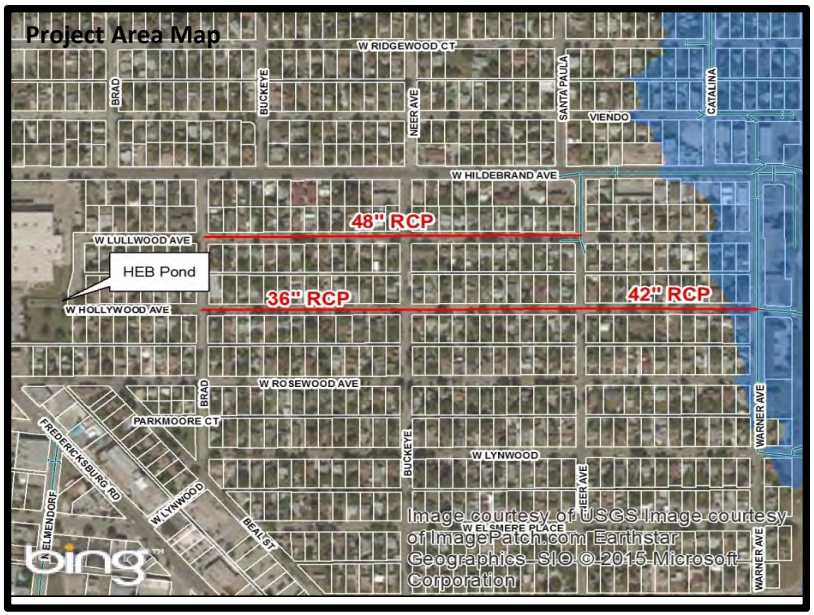
*Rounded to the nearest ten thousand



Approximate Construction Cost Distribution: Street 50.1%, Drainage 49.9%, Traffic 0%

Project Description

It was determined through this analysis that no improvements were needed along Neer Ave as street capacities are sufficient. 311 call were identified in the drainage basin so the proposed project is to extend storm drain systems along W. Lullwood Ave. and W. Hollywood Ave. to alleviate street flooding in the area caused by insufficient street capacities. Proposed improvements include a 48" RCP along W. Lullwood Ave., extending from the existing 42" storm drain along Neer Ave. west to Brad Ave. Per as-builts, the existing 42" CMP storm drain has insufficient capacity for the local contributing area. Additionally, the existing 42" RCP along Warner Ave. would be extended west along W. Hollywood Ave. to Brad Ave., ranging from 36" to 42" in size. The existing 42" RCP along Warner Ave. has insufficient capacity as well. Although downstream existing storm drain systems will be impacted, no downstream impacts are expected on Martinez Creek as improvements are localized. Improvements to roadway and sidewalks are included with this project. Outfall treatment for trash and floatables is possible.



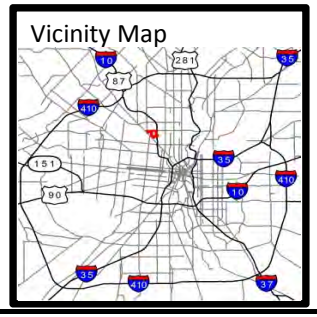
Project Type: Drainage

Type of Estimate: Level I

Project Status: Planning Limited Detail

Project Funding Status: Unfunded

Consultant: HDR



* Costs have not been updated with current unit costs and/or inflation from date of project creation

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

ATTACHMENT (6)
PROJECT SUMMARY SHEET

Project Name: W. Military Dr. Area Drainage Improvement

Council District: 6

Project Limits: Westshire Drive to SH 151 Access Rd.

Watershed: Leon Creek

Future Project #: 2037.01 **2017 Bond #:** N/A

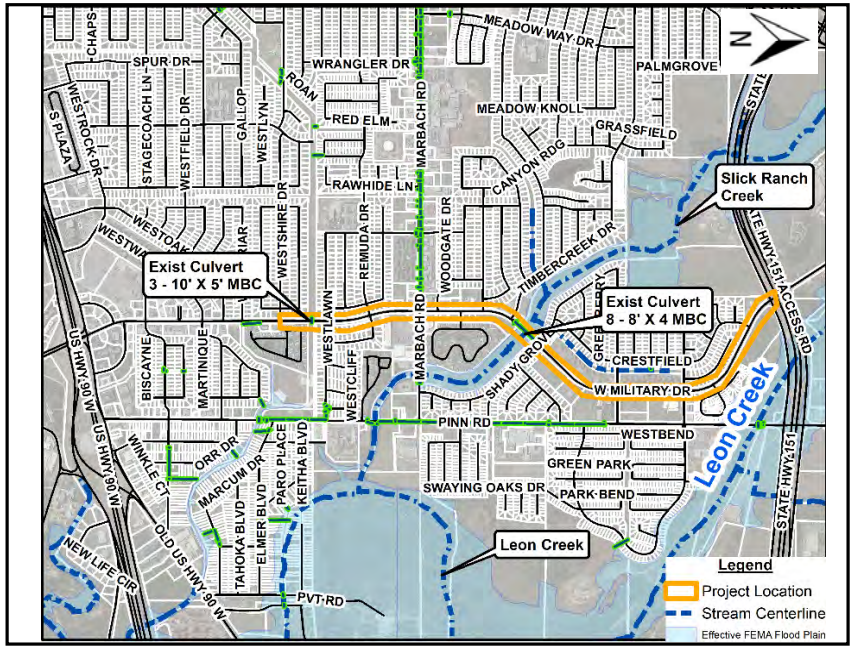
Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
		-
		-
		-
		-
Total Funding		$ -

Cost Information

Category *	Cost
Design	$4,713,546
Real Estate	$0
Environmental	$146,070
Miscellaneous	$709,485
Construction	$40,691,786
Total Cost*	$46,300,000

*Rounded up to the nearest $100,000



Project Description

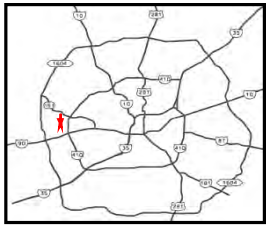
Area residents and motorists have expressed concerns about localized drainage issues and standing water along the curbs and intersections in many areas. The proposed project comprises the construction of multiple storm drain systems consisting of curb inlets, lateral lines, various size trunklineswithin the W. Military Dr. right-of-way. The project also replaces the bridges crossing Slick Ranch Creek and the existing 3-10'x5' MBC crossing of a large earthen channel north of Westshire Dr. The proposed project also includes complete street reconstruction of W. Military Dr. within the project limits and will include curbs, sidewalks, and driveway approaches as needed.

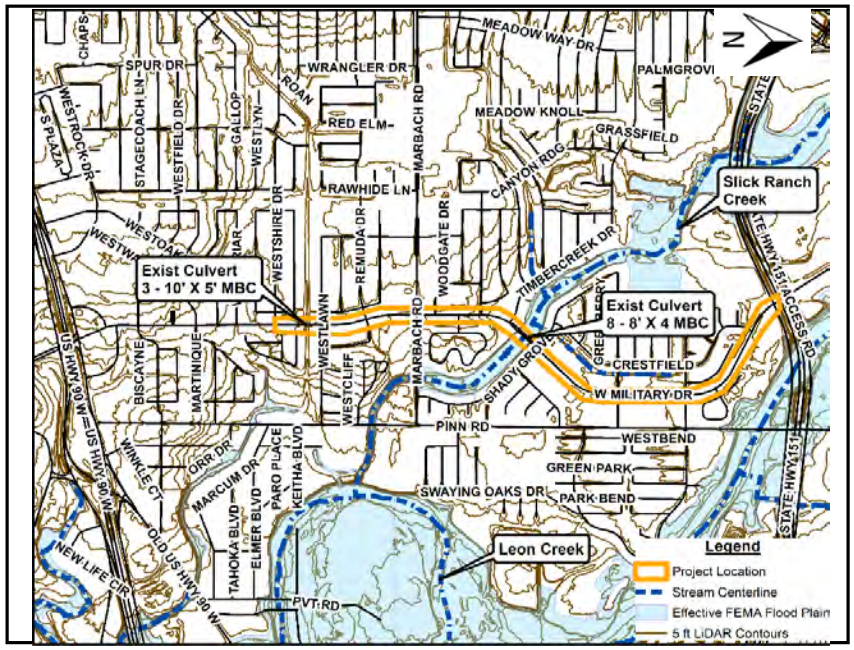
Project Type: Drainage

Type of Estimate: Planning

Project Status: Unfunded

Consultant: TBD





* Costs have not been updated with current unit costs and/or inflation from date of project creation

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

ATTACHMENT (6)

PROJECT SUMMARY SHEET

Updated: 2/28/2017

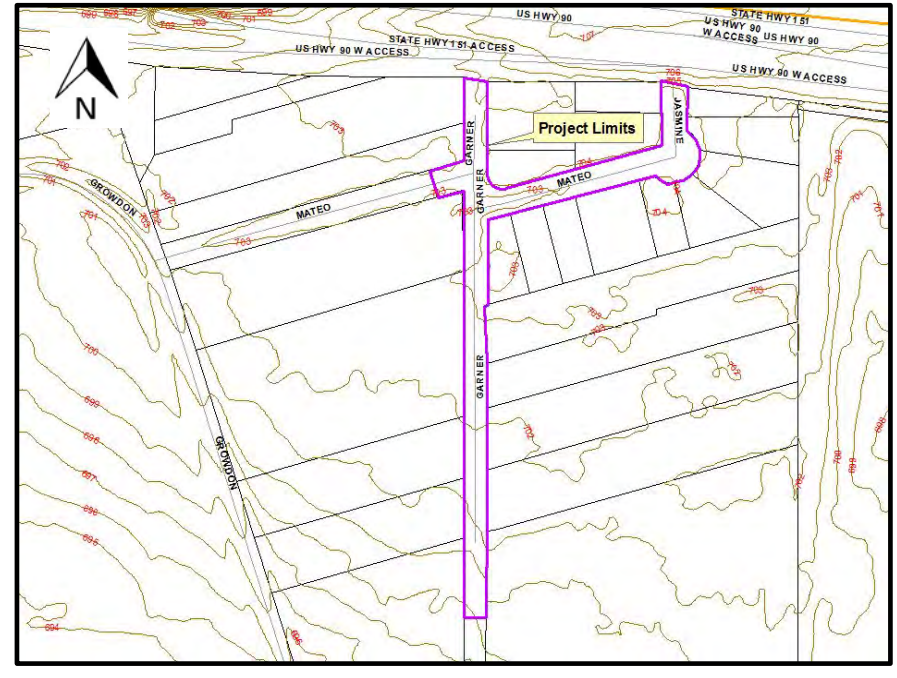
Project Name: Mateo Ln. street Reconstruction Improvement Project

Council District: 4

Project Limits: Mateo - Garner to Jasmine, Jasmine - Garner to US Hwy 90 Access, Garner - Dead End to US Hwy 90 access

Watershed: Leon Creek

Potential Project #: 2042



Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
		-
		-
		-
		-
Total Funding		**$ -**

Cost Information

Category		Cost
Design	$ *	257,857
Real Estate	$	66,469
Environmental	$	7,147
Miscellaneous	$	5,718
Construction	$	1,937,535
Total Cost*	**$**	**2,280,000**

*Rounded up to the nearest $10 thousand

Project Description

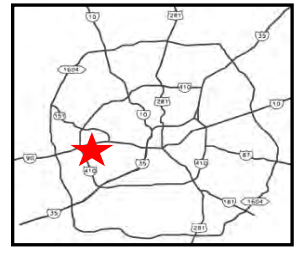
The Mateo project consist of street reconstruction including sidewalks, curb & gutter and driveway approaches. Right of way acquisition is expected along GarnerStreet. Riprap will be installed at the dead end on Garner Street to prevent erosion. The streets will provide adequate conveyance capacity and an underground storm system will not be required.

Project Type: Drainage

Type of Estimate: Planning

Project Status: Unfunded

Contractor: TBD



* Costs have not been updated with current unit costs and/or inflation from date of project creation

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

ATTACHMENT (6)
PROJECT SUMMARY SHEET

Updated: 10/17/2021

Project Name: Loma Park

Council District: 5

Project Limits: Portions of Plainview Dr, Maria Elena, Loma Park Dr, and Holy Cross Dr

Watershed: San Antonio River

Future Project #: 2069.01 **2022 Bond #:** xx

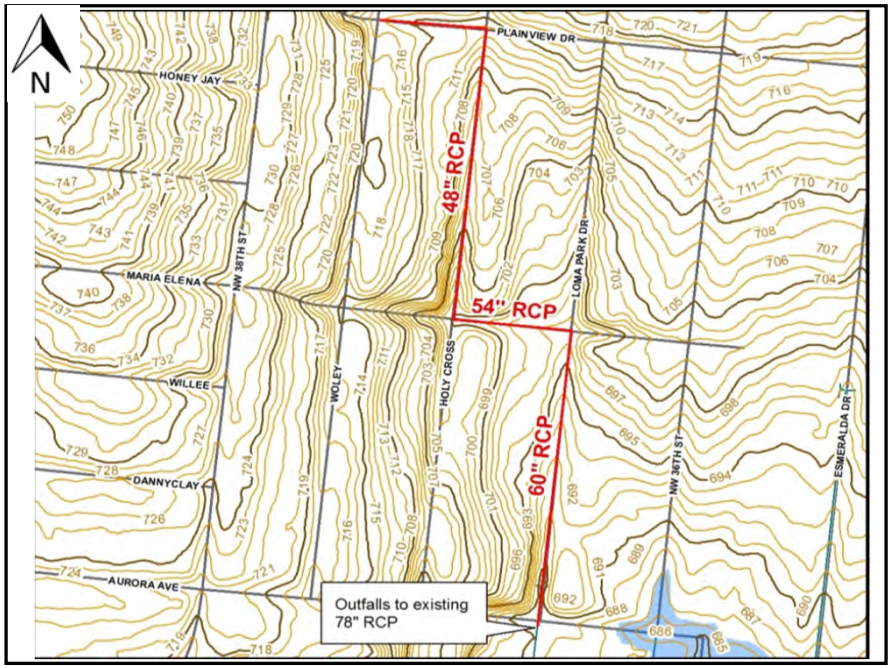
Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
		-
		-
		-
Total Funding		$ -

Cost Information

Category *	Cost
Design	$1,137,311
Real Estate	$0
Environmental	$153,026
Construction	$7,024,234
Total Cost*	$8,320,000

*Rounded up to the nearest ten thousand



Project Description

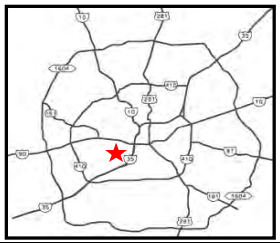
Construct an underground drainage system ranging from 48" to 60" RCP along Plainview Dr., Holy Cross, Maria Elena, and Loma Park Dr. to alleviate street flooding. The improvements would require associated street reconstruction to include curbs, sidewalks, and driveway approaches be incorporated into the project. Approximately 120 ft of existing 72" RCP downstream of the project limits would also need to be replaced with a minimum 0.5% slope. The 72" RCP replacement is included in the cost estimate. The proposed improvements tie to an existing 78" RCP (Storm Drainage Project No. 58-D) with adequate capacity. No further downstream impacts are expected.

Project Type: Drainage

Type of Estimate: Planning

Project Status: Unfunded

Consultant: TBD



* Costs have not been updated with current unit costs and/or inflation from date of project creation

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

ATTACHMENT (6)

PROJECT SUMMARY SHEET

Updated: 10/12/2016

Project Name: W Mally/W Villaret/W Buchanan Area Drainage Improvement

Council District: 3

Project Limits: W Chavaneaux to W Mally & Commercial to Garnett

Watershed: Medina River

Future Project #: 2074 **2017 Bond #:** 0

Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
		-
		-
		-
		-
Total Funding		$ -

Cost Information

Category	*	Cost
Design		$1,029,995
Real Estate		$1,127,359
Environmental		$90,425
Miscellaneous		$33,735
Construction		$8,650,998
Total Cost*		$10,940,000

*Rounded up to the nearest $10,000

Project Description

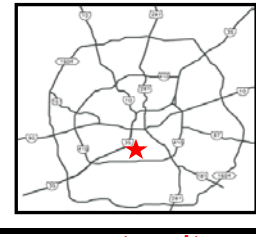
Area residents have expressed concerns of local drainage issues along W. Mally and W. Villaret. Records suggest that 311 service requests were submitted to the City between the middle to late 1990's to 2014 concerning localized flooding on these streets. The proposed planning project comprises the acquisition of properties for a drainage easement, construction of an earthen trapezoidal channel, and the installation of culvert systems at W. Villaret, W. Buchanan, and W. Chavaneaux. An additional box culvert will be placed beneath IH 410 to accommodate the design storm event for this project. The project will also reconstruct the streets from Commercial to Garnett and includes curbs and sidewalks. W. Chavaneaux will be reconstructed in the area of the proposed culvert system.

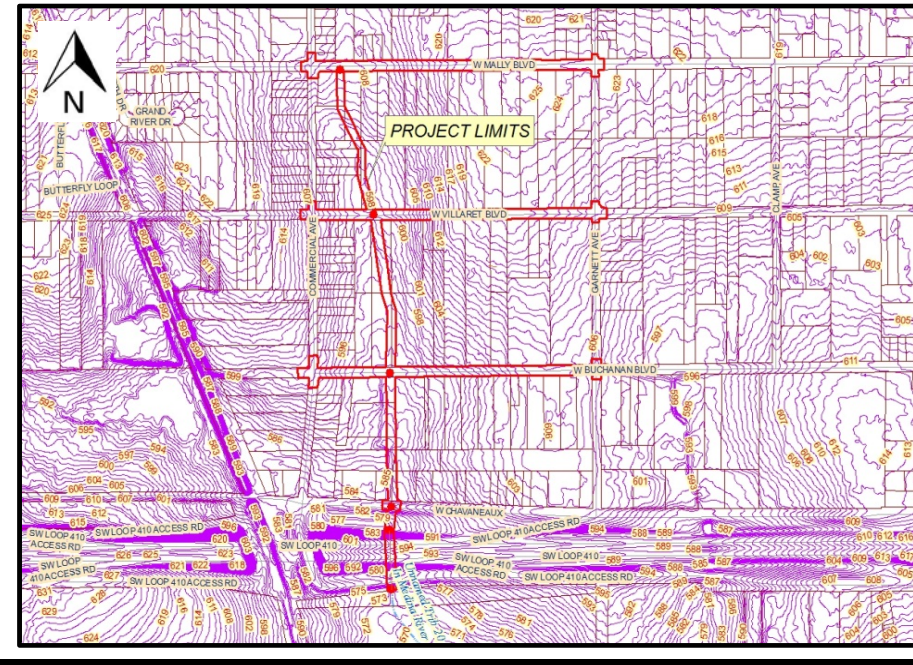
Project Type: Drainage

Type of Estimate: Planning

Project Status: Unfunded

Consultant: TBD





* Costs have not been updated with current unit costs and/or inflation from date of project creation

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

ATTACHMENT (6)
PROJECT SUMMARY SHEET

Updated: 1/7/2021

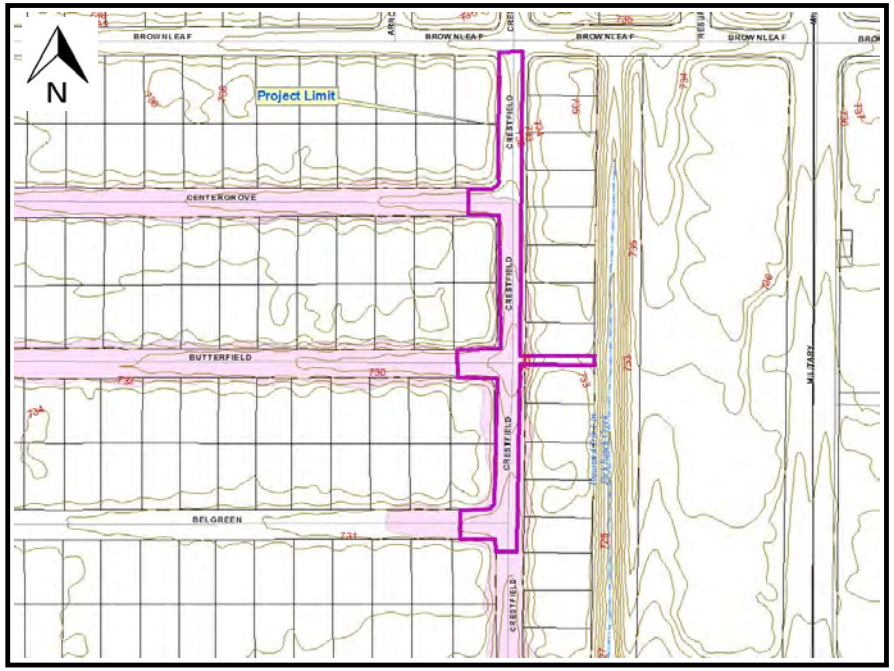
Project Name: Crestfield Area Drainage Improvement

Council District: 6

Project Limits: Crestfield Drive from Brownleaf Dr. to Bellgreen Dr. and existing 9' drainage easement between 610 & 614 Crestfield Drive.

Watershed: Leon Creek

Future Project #: 2078.01 **2027 Bond #:** 0



Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
		-
		-
		-
		-
Total Funding		$ -

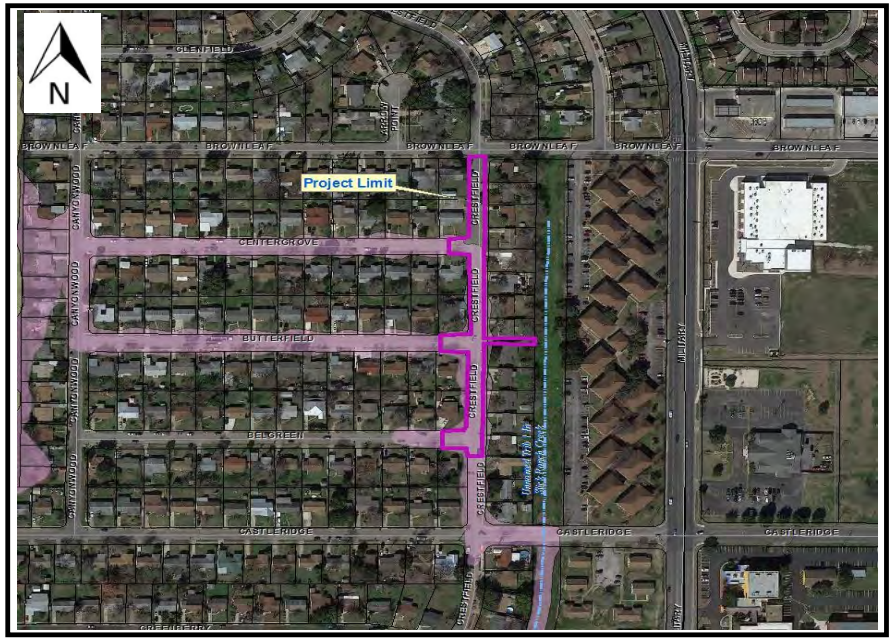
Cost Information

Category	* Cost
Design	$194,302
Real Estate	$0
Environmental	$172,407
Miscellaneous	$31,197
Construction	$1,388,298
Total Cost*	$1,790,000

*Rounded up to the nearest $10,000

Project Description

Area residents have expressed concerns about nuisance flooding of streets within the neighborhood. Staff review of the areas drainage infrastructure revealed that an undersized drainage pipe on Crestfield Drive was causing water to back up onto the street. Also, several of these streets are within the 1% annual flood hazard area.The proposed project comprises the construction of a 5 foot bottom width rectangular concrete channel in place of the existing undersized pipe. The proposed drainage system will also include outfall structures and energy dissipators to reduce flow velocity. Property acquisition will not be required as all proposed work will be contained within existing drainage right-of-way. A sidewalk bridge will be constructed at the entrance to the proposed channel and will have railings along both edges up to the fence line. Also, new fences will be installed for the properties adjoining the proposed channel. Street reconstruction is proposed within the project limits and will include curbs and driveway approaches as needed; however, no sidewalks will be reconstructed. Residential mail boxes located along Crestfield Drive and within the project limits will be removed and relocated.

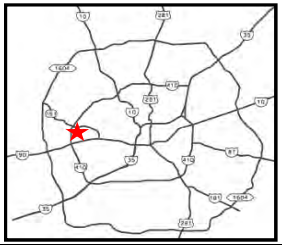


Project Type: Drainage

Type of Estimate: Planning

Project Status: Unfunded

Consultant: TBD



* Costs have not been updated with current unit costs and/or inflation from date of project creation

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

ATTACHMENT (6)
PROJECT SUMMARY SHEET

Updated: 1/14/2021

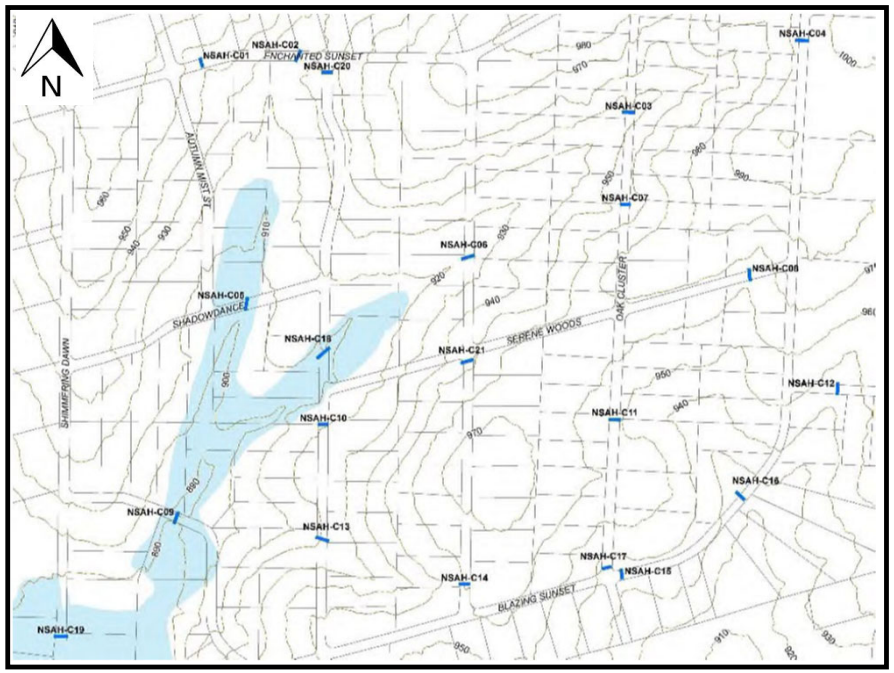
Project Name: North San Antonio Hills Culvert Upgrades

Council District: 6

Project Limits: Entire subdivision

Watershed: Leon Creek

Future Project #: 2094.01 **2027 Bond #:** 0



Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
		-
		-
		-
		-
Total Funding		$ -

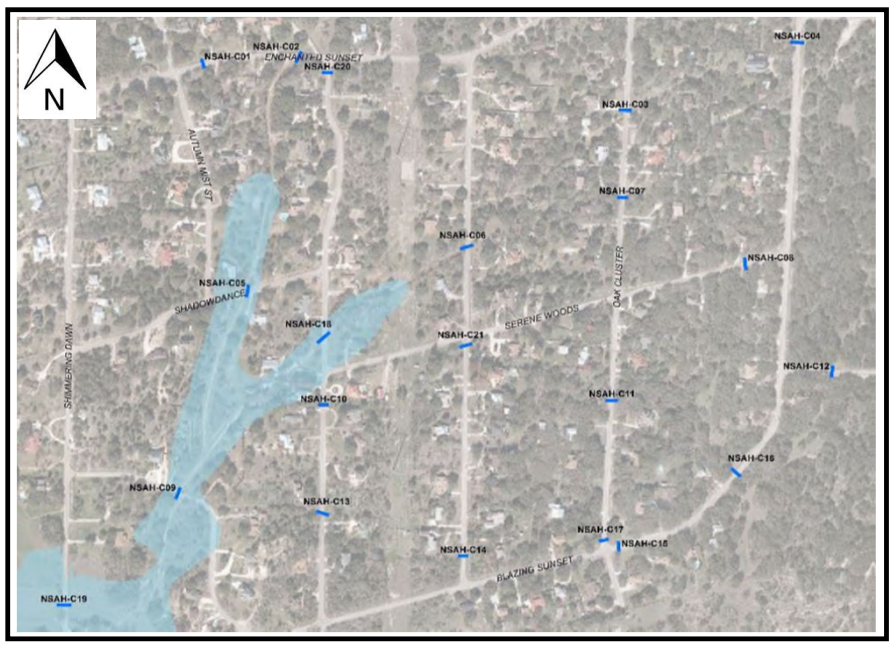
Cost Information

Category *	Cost
Design	$463,194
Real Estate	$0
Environmental	$167,789
Miscellaneous	$174,181
Construction	$3,632,705
Total Cost*	$4,440,000

*Rounded up to the nearest $10,000

Project Description

According to an email dated 10/12/2000 and a Citizen's Drainage Complaint Report and a Request for Information memo from Council District 6 office dated 02/06 and 02/03/2000, respectfully, area residents have expressed concerns about the lack of adequate drainage culverts within the North San Antonio Hills Subdivision. Most culverts are severely undersized and they inhibit connectivity throughout the subdivision. Interviews with residents of the neighborhood indicated that they did not want curbs or sidewalks preserving the existing country-like atmosphere. The proposed project comprises the reconstruction of 21 culvert crossings ranging size from 24" reinforced concrete pipe (RCP) to 8' x 4' concrete box culvert. All affected streets at each culvert crossing will be reconstructed. Local drainage issues may exist due to the connecting drainage channels not being analyzed to determine if they are of adequate size to handle the associated storm water runoffs from the subdivision.

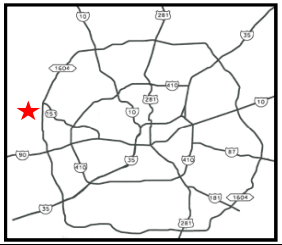


Project Type: Drainage

Type of Estimate: Planning

Project Status: Unfunded

Consultant: TBD



* Costs have not been updated with current unit costs and/or inflation from date of project creation

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

ATTACHMENT (6)

PROJECT SUMMARY SHEET

Updated: 11/12/2021

Project Name: Duke Ave Area Drainage

Council District: 7

Project Limits: Duke Ave. from Woodlawn Ave. to Stonegate Dr., along Marquette from Notre Dame Dr. to Duke Ave., along Wake Forest from Notre Dame Dr. to Duke Ave., and along Stonegate Dr. from Duke Ave. to Notre Dame Dr.

Watershed: San Antonio River

Future Project #: 2100.01 **2022 Bond #:** xx

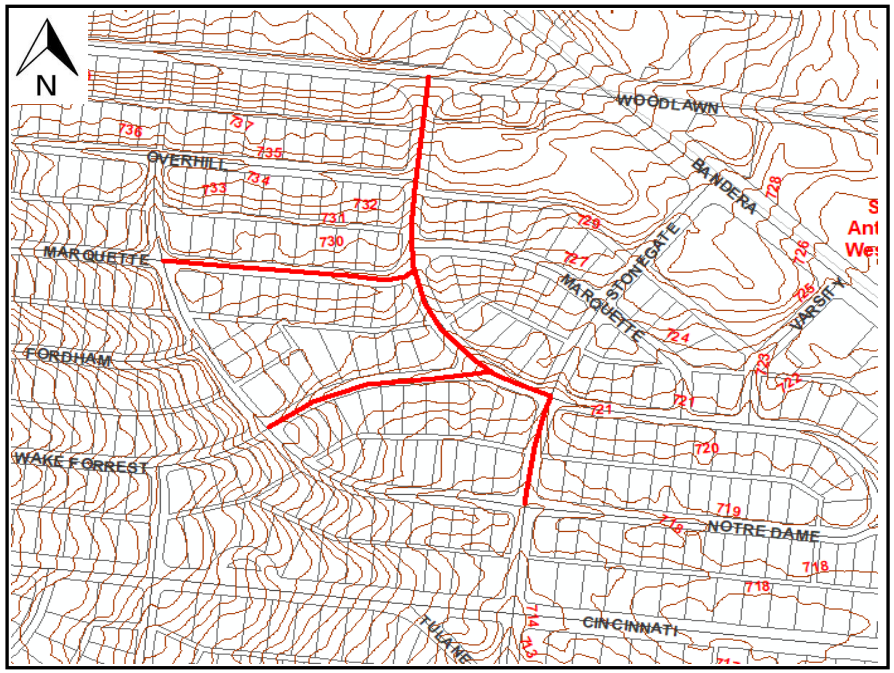
Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
		-
		-
		-
Total Funding		$ -

Cost Information

Category	* Cost
Design	$1,719,496
Real Estate	$0
Environmental	$41,734
Construction	$10,997,171
Total Cost*	$12,760,000

*Rounded up to the nearest ten thousand



Project Description

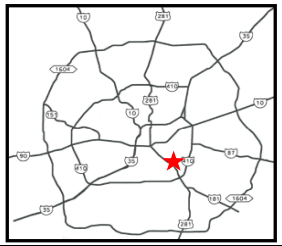
This project will try to alleviate the local street flooding occurring within the University Park Subdivision Unit 4. Project proposes full street reconstruction with curbs and sidewalks and underground storm drainage system to capture street runoff. The adjacent segments of Bandera Rd. and Woodlawn Ave. already have storm water systems. Approximately 81 acres contributes runoff to the project area that is composed of average residential lots with an area of commercial development to the south of Woodlawn Ave. Existing storm sewer is location within and adjacent to the project limits. The sizes of existing underground culverts need to be confirmed; however, the trunkline has been analyzed for required structure sizes. Therefore, there may be upsizing required outside or downstream of the project limits. Proposed trunkline sizes are shown for upstream segment of storm sewer system that is located within project limits. Proposed estimate based on improvements within described limits.

Project Type: Drainage

Type of Estimate: Planning

Project Status: Unfunded

Consultant: TBD



* Costs have not been updated with current unit costs and/or inflation from date of project creation

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

ATTACHMENT (6)
PROJECT SUMMARY SHEET

Updated: 4/7/2021

Project Name: Freeman Dr Area Drainage Improvements (Phase 2)

Council District: 7

Project Limits: Loy Dr from Hillcrest Dr to Apache Creek & Piper Dr from Repose Ln to Loy Dr & Freeman from Piper to Hillcrest

Watershed: San Antonio River

Future Project #: 2110.02 **2022 Bond #:** xx

Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
		-
		-
		-
		-
Total Funding		$ -

Cost Information

Category *	Cost
Design	$417,167
Real Estate	$0
Environmental	$148,157
Miscellaneous	$5,565
Construction	$3,263,640
Total Cost*	$3,835,000

*Rounded up to the nearest thousand

Project Description

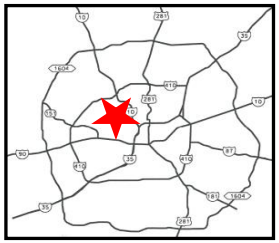
The project is comprised entirely of reconstructing 1000 LF of Loy Dr, 650 LF of Freeman Dr and 350 LF of Piper Dr with curbs, sidewalks, and driveways. This proposed project is contigent upon the construction and completion of Phase 1 of the Freeman Dr Area Drainage improvements project.

Project Type: Drainage

Type of Estimate: Planning

Project Status: Unfunded

Consultant: TBD



* Costs have not been updated with current unit costs and/or inflation from date of project creation

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

ATTACHMENT (6)
PROJECT SUMMARY SHEET

Updated: 1/8/2021

Project Name: Portside Dr. Area Drainage Improvements

Council District: 4

Project Limits: Portside Dr. - Mariner to Old Sky Harbor / Lubbers Way - Portside Dr. to Catalina Bay

Watershed: Leon Creek

Future Project #: 2111.01 **2022 Bond #:** N/A

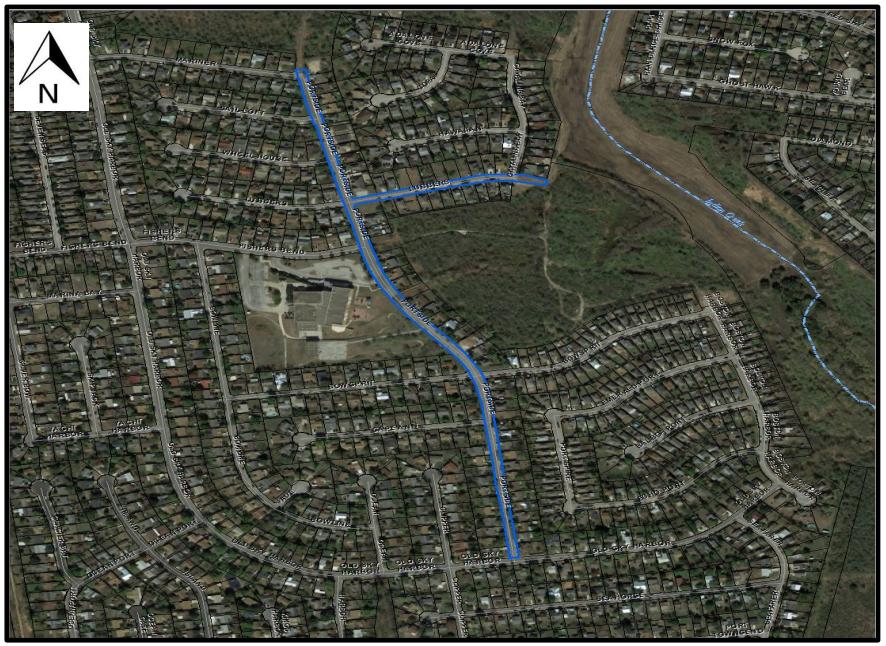
Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
		-
		-
		-
		-
Total Funding		$ -

Cost Information

Category	*	Cost
Design	$	1,316,568
Real Estate	$	21,380
Environmental	$	167,789
Miscellaneous	$	30,362
Construction	$	9,006,616
Total Cost*		$10,550,000

*Rounded up to the nearest $10,000



Project Description

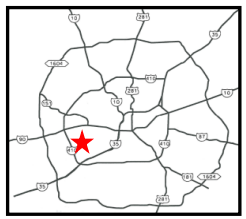
Area residents have expressed concerns of ponding and drainage issues on Portside and Lubbers Way. The property owner at 8718 Portside Dr. reported structure flooding in 2007.The proposed project comprises constructing a storm drain system and reconstructing all affected streets. The proposed drainage system consists of 10' curb inlets, 24" to 42" reinforced concrete pipe (RCP), outfall structures, and other associated drainage structures. Reconstruction of all affected streets will include curbs, sidewalks, and driveway approaches. Acquisition of property is anticipated for easements and the costs are included in the cost estimate. However, the estimated cost does not include the associated costs for relocation of utilities.

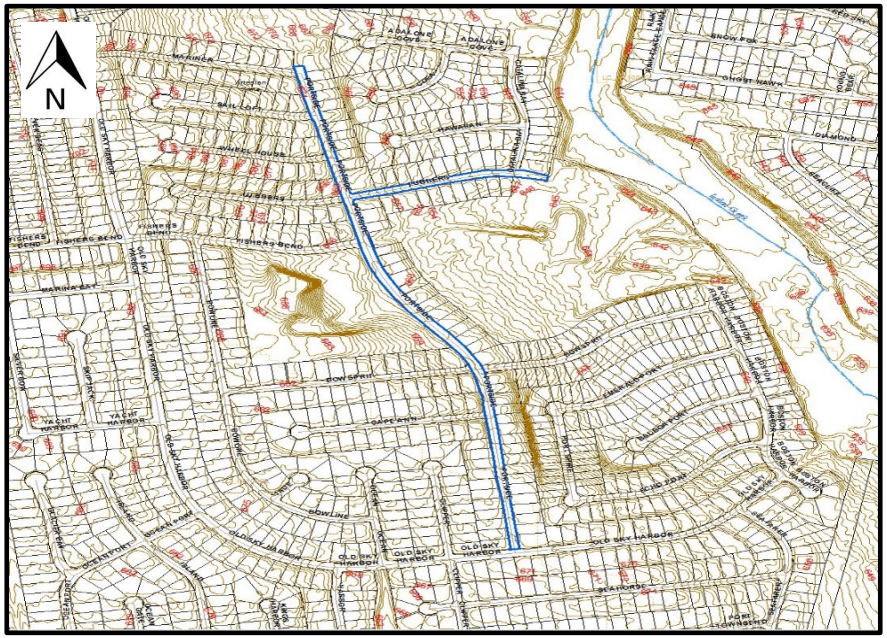
Project Type: Drainage

Type of Estimate: Planning

Project Status: Unfunded

Consultant: TBD





* Costs have not been updated with current unit costs and/or inflation from date of project creation

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

ATTACHMENT (6)
PROJECT SUMMARY SHEET

Updated: 5/21/2021

Project Name: Pinn Rd. Area Drainage Improvement

Council District: 6

Project Limits: Westlawn Dr. to Westfield Dr.

Watershed: Leon Creek

Future Project #: 2112.01 **2017 Bond #:** N/A

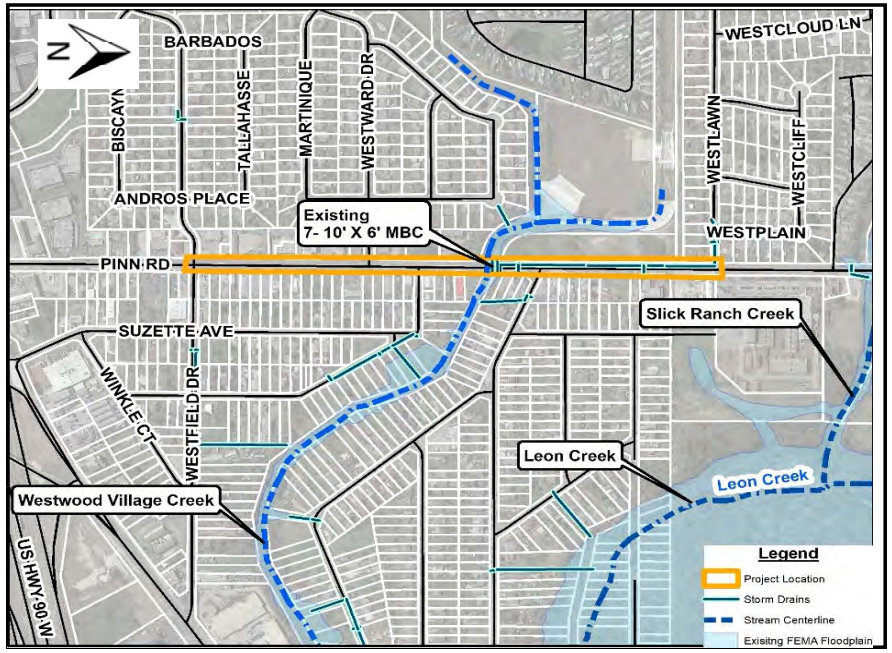
Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
		-
		-
		-
		-
Total Funding		$ -

Cost Information

Category	*	Cost
Design		$641,935
Real Estate		$0
Environmental		$146,070
Miscellaneous		$26,432
Construction		$5,228,299
Total Cost*		$6,050,000

*Rounded up to the nearest $10,000



Project Description

Area residents, businesses, and motorists have expressed concerns about structure flooding and localized nuisance drainage issues. The proposed project comprises upgrading the existing storm drain system north of Westwood Village Creek and constructing a new storm drain system south of Westwood Village Creek. The existing northern storm drain system trunkline (an 8' x 4' at its largest) is adequate to handle additional inlet structures.

The proposed southern storm drain system will consist of 10’ curb inlets and a 24" reinforced concrete pipe (RCP) trunk line along Pinn Rd. Street reconstruction is proposed within the project limits and includes curbs, sidewalks, and driveway approaches.

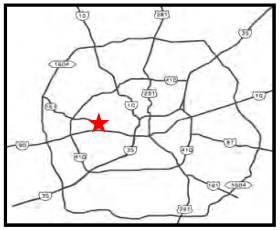
Per COSA Major Thoroughfare, Pinn Rd is classified as Local A Road. However, COSA had requested Pinn Rd compliance with Collector Road classification. The existing pavement width is 44', which meets UDC Collector design standards. Therefore, acquisition costs are not included in the cost estimate for further widening of Pinn Rd.

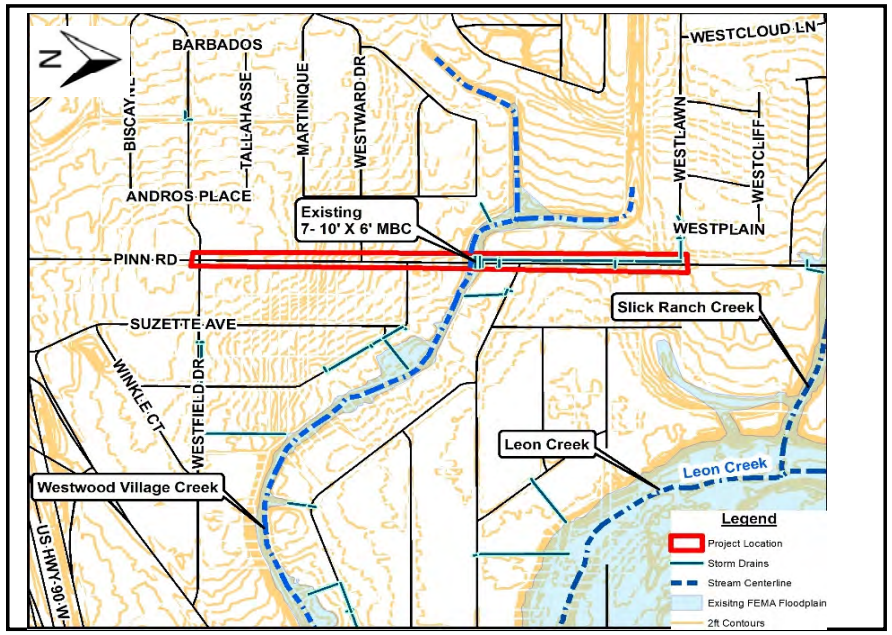
Project Type: Drainage

Type of Estimate: Planning

Project Status: Unfunded

Consultant: TBD





* Costs have not been updated with current unit costs and/or inflation from date of project creation

ATTACHMENT (6)
PROJECT QUAD SHEET

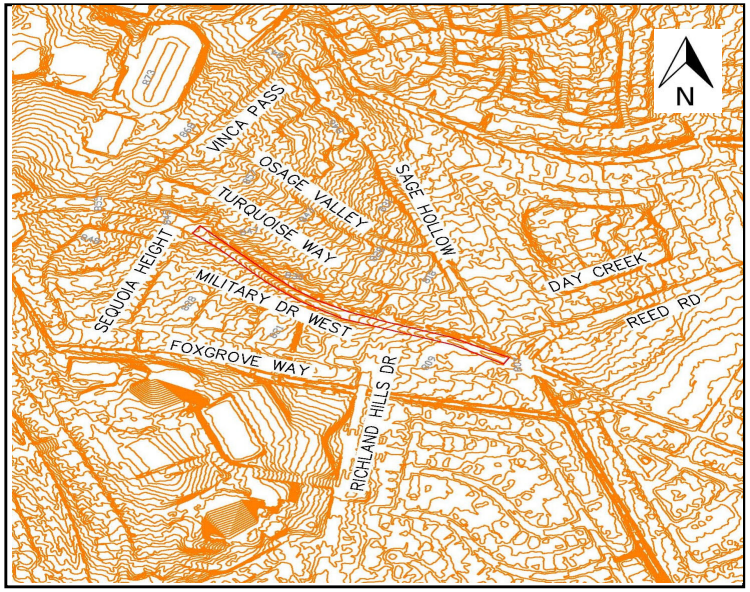
Project Name: Military Drive West Area Drainage Improvement

Council District: 6

Project Limits: Sequoia Height to Reed Road

Watershed: Leon

Potential Project #: 2113.01 **2027 Bond #:** N/A



Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
		-
		-
		-
		-
Total Funding		$ -

Cost Information

Category		Cost
Design		$372,394
Real Estate	*	$0
Environmental		$172,407
Miscellaneous		$18,883
Construction		$2,782,392
Total Cost*		$3,350,000

*Rounded up to the nearest 10,000

Project Description

The proposed system will convey the flow from drainage area A1, through 4-5' curb inlets. These inlets have outfall into the proposed concrete trapezoidal channel through a 3'x1' box culvert. Flow from area A2 will be conveyed through a concrete trapezoidal channel (going south west along Military Drive). The proposed channel will convey the stormwater from adjoining properties and Military Drive to the existing 5.5'x3' box culvert. This box culvert outfalls into an existing 45' wide trapezoidal earthen channel (perpendicular to Military Drive). The 45' wide trapezoidal earthen channel ultimately outfalls into the Slick Ranch Creek which is the Leon Creek.

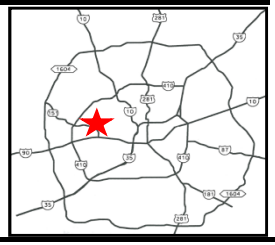
Similarly, the proposed system will convey flow from drainage area B2, through a concrete trapezoidal channel (going south west along Military Drive).The proposed channel will convey the stormwater from adjoining properties and Military Drive to the existing 2-6'x3' box culverts. These box culverts outfalls into an existing 45' wide trapezoidal earthen channel (perpendicular to Military Drive). The 45' wide trapezoidal earthen channel ultimately outfalls into the Slick Ranch Creek which is the Leon Creek. Drainage area B2 will convey flow through 2-5' curb inlets and these inlets have outfall into the proposed concrete trapezoidal channel through a 3'x1' box culvert. The proposal also consists of reconstruction of Military Drive and cleaning of the existing box culverts to facilitate the flow of water.

Project Type: Drainage

Type of Estimate: Level 1

Project Status: Unfunded

Consultant: TBD



* Costs have not been updated with current unit costs and/or inflation from date of project creation

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

ATTACHMENT (6)
PROJECT SUMMARY SHEET

Updated: 3/16/2021

Project Name: Old Tezel Road

Council District: 6

Project Limits: Bowen Drive to Braun Road

Watershed: Leon Creek

Future Project #: 2115.01

Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
		-
		-
		-
		-
Total Funding		$ -

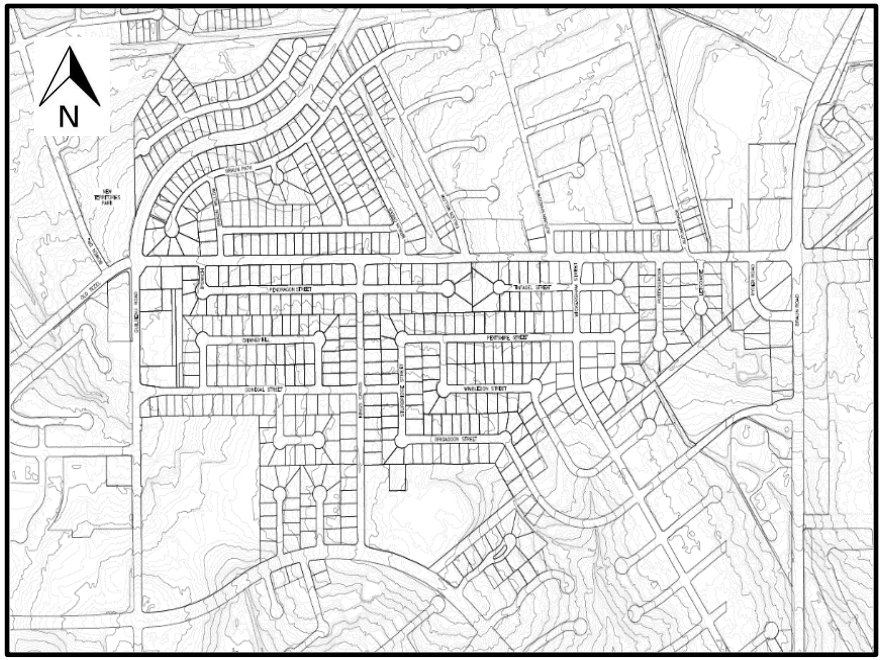
Cost Information

Category	Cost
Design	$693,442
Real Estate	$0
Environmental	$5,450
Miscellaneous	$4,360
Construction	$5,650,824
Total Cost*	$6,400,000

*Rounded up to the nearest $100,000

Project Description

Area residents have expressed concerns of drainage and mobility issues along Old Tezel Road between Braun Road and Guilbeau Road. There are currently poorly defined ditches that run parallel to the road on both sides and ponding at several intersections. The proposed project alleviates nuisance street and property flooding on Old Tezel Road. Drainage improvements along Old Tezel Rd. will manage the CoSA 4% annual chance storm event for ultimate development. The proposed drainage improvements consists of storm drains, inlets, driveway culverts, and roadside ditches. The proposed project also includes reconstructing Old Tezel Rd. within the project limits and includes curbs, sidewalks, and driveway approaches as needed. Right-of-Way (ROW) acquisition will not be required for grading and proposed drainage improvements.

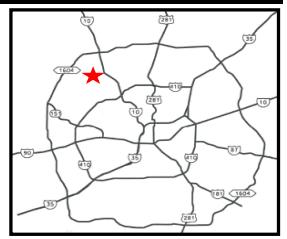


Project Type: Drainage

Type of Estimate: Planning

Project Status: Unfunded

Consultant: TBD



* Costs have not been updated with current unit costs and/or inflation from date of project creation

ATTACHMENT (6)
PROJECT QUAD SHEET

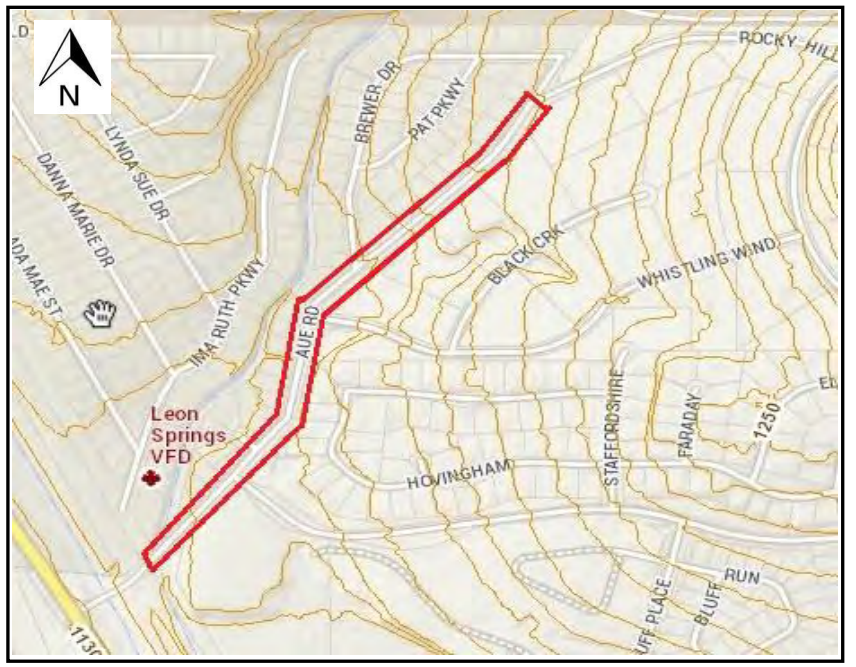
Project Name: Aue Road Area

Council District: 8

Project Limits: Old Fredericksburg Road to Rocky Hill Road

Watershed: San Antonio River

Potential Project #: 2116.01



Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
		-
		-
		-
		-
Total Funding		$ -

Cost Information *

Category	Cost
Design	$456,553
Real Estate	$0
Environmental	$5,450
Miscellaneous	$37,060
Construction	$3,719,811
Total Cost*	$4,219,000

*Rounded up to the nearest thousand

Project Description

The proposed system will convey flow from drainage area A1 (see Exhibit 2&3), through a series of box culverts from Rocky Hill Road going south west along Aue Road. These box culverts ultimately tie into the 2-7X4' box culverts (perpendicular to Aue road and 200' south of intersection of Aue Road and Whistling Wind Road) which outfalls into the existing 30' wide concrete channel through an existing 10' wide concrete channel. The box culverts consist of sizes 3'x2' and 5'x3'. The proposed system will convey flow from drainage area A2, through a 30" RCP along Aue Road going north along Aue Road. The RCP also ultimately ties into the 2-7X4' box culverts. Flow from drainage areas A1 and A2 convey to point #1 (see Exhibit 2). The capacity of proposed 2-7'x4' culverts is less than the existing 10' wide concrete channel. Also, the slope of this channel is towards the existing 30' wide concrete trapezoidal channel, thereby facilitating flow of water from the culverts to the channel.
Flow from drainage area B will be conveyed through a 3'x2' box culvert running south west along Aue Road from 350' North of the intersection of Aue Road and Dominion Drive, then ultimately outfalls into a drainage easement constructed by a local developer. This drainage easement ultimately outfalls into Leon Creek.

The proposed system will also add 14-20'and 6-10' curb inlets on grade on Aue Road, which will convey the stormwater from Aue Road to the main outfall. The proposal also consists of reconstruction of Aue Road and construction of curb and gutter along the street to capture street flow appropriately. The street capacity for Aue road was found to be 86.82 cfs. The project acreage is 99acres and this system was designed for the 25-year storm event per the City of San Antonio Unified Development Code standards.

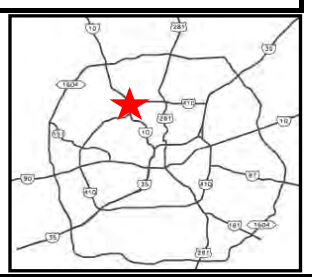
* Costs have not been updated with current unit costs and/or inflation from date of project creation

Project Type: Drainage

Type of Estimate: Level 1

Project Status: Unfunded

Consultant: TBD



CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

ATTACHMENT (6)

PROJECT SUMMARY SHEET

Updated: 6/3/2020

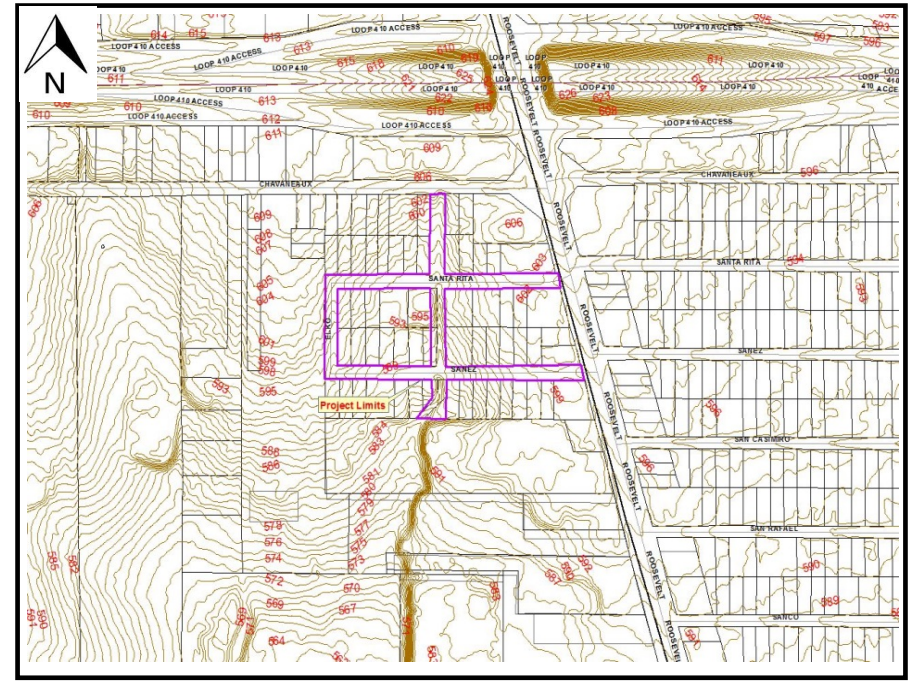
Project Name: Alameda Homesite Subdivision

Council District: 3

Project Limits: Santa Rita St.-Roosevelt to Elko St.; Saenz St.-Roosevelt to Elko St.; Elko St.-Santa Rita to Saenz St.; Channel from E. Chavaneaux Rd. to 140 LF just south of Saenz St.

Watershed: Medina River

Future Project #: 2118.01



Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
		-
		-
		-
		-
Total Funding		$ -

Cost Information

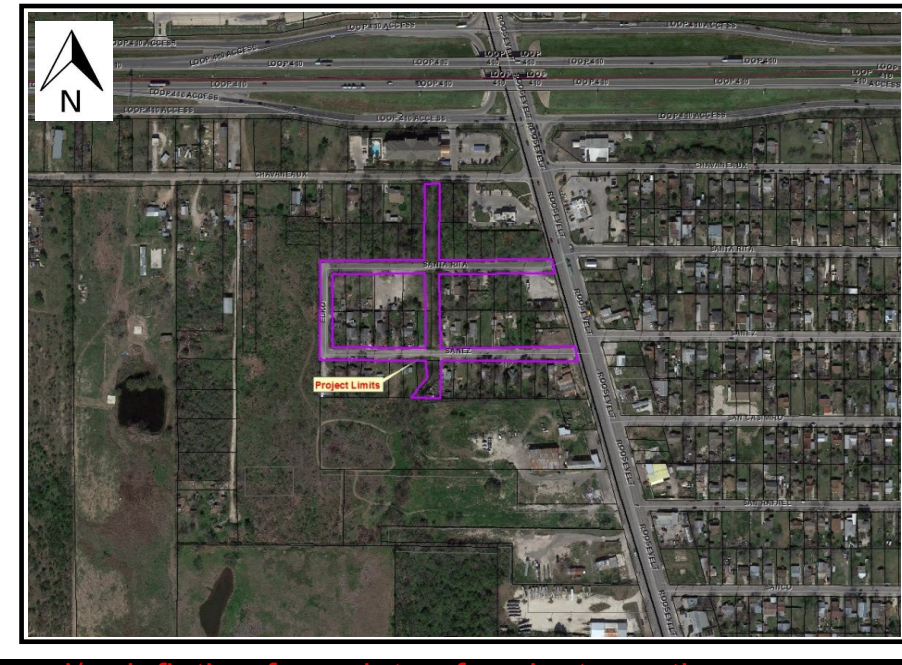
Category	*	Cost
Design		$358,158
Real Estate		$20,262
Environmental		$114,450
Miscellaneous		$113,360
Construction		$2,824,897
Total Cost*		$3,440,000

*Rounded up to the nearest $10,000

Project Description

The resident at 1136 Saenz Street has expressed concerns about water going under his house during rain events. Saenz Street is currently not curbed with flow going from the Elko/Saenz and Roosevelt/Saenz intersections toward an existing earthen channel located just west of 1136 Saenz Street. This existing earthen channel is currently undersized with runoff overflowing its western limits toward the residents home.

The proposed project comprises the construction of an underground drainage system along Santa Rita & Saenz Streets and will consist of sag inlets, junction boxes, headwalls, wingwalls, and reinforced concrete pipe (RCP) and culvert boxes as well as upgrades to the existing earthen channel that runs between E. Chavaneaux Rd. and Saenz. The proposed earthen channel will have a 10 LF bottom width with 3:1 side slopes . E. Chavaneaux Rd., Santa Rita St., Saenz St. and Elko will be reconstructed within the project limits and will include curbs, sidewalks and driveway approaches as needed. Acquisition of property is required for channel upgrades. Residential mail boxes will need to be removed and relocated.

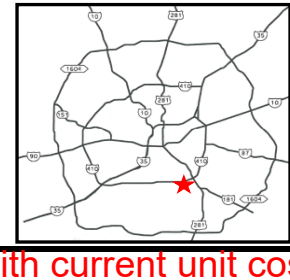


Project Type: Drainage

Type of Estimate: Planning

Project Status: Unfunded

Consultant: TBD



* Costs have not been updated with current unit costs and/or inflation from date of project creation

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

ATTACHMENT (6)
PROJECT SUMMARY SHEET

Updated: 3/9/2021

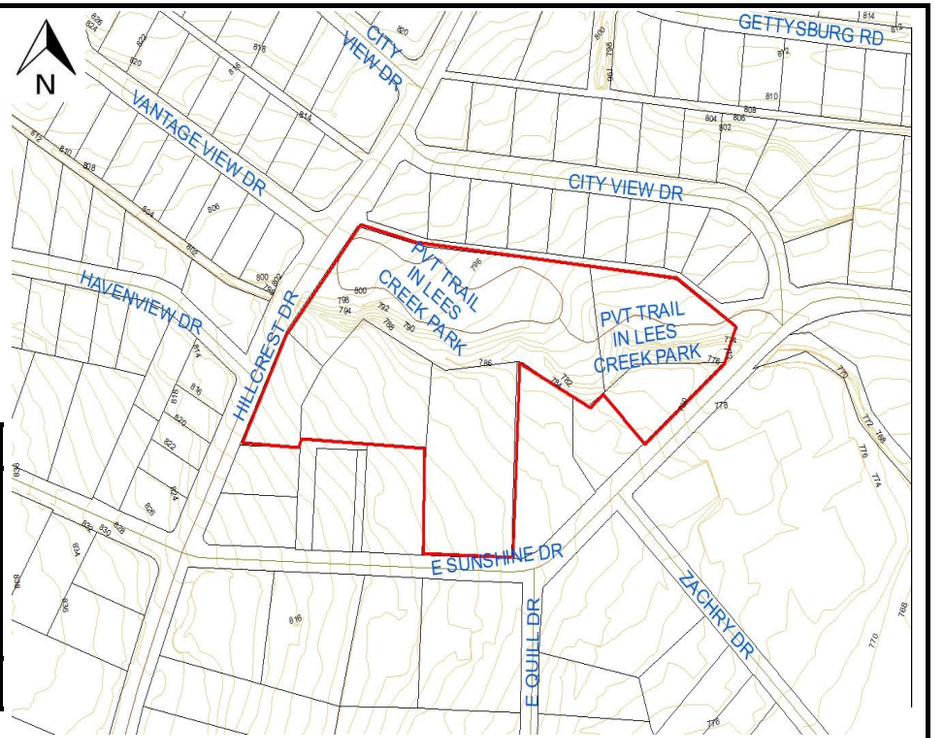
Project Name: Lee's Creek Park Detention Pond

Council District: 7

Project Limits: Bounded by the following streets: Hillcrest Dr, City View Dr, and E. Sunshine Dr

Watershed: San Antonio River

Potential Project #: 2132.01 **2017 Bond #:** N/A *



Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
		-
		-
		-
		-
Total Funding		$ -

Cost Information

Category	Cost
Design	$855,125
Real Estate	$0
Environmental	$167,789
Miscellaneous	$86,291
Construction	$6,932,733
Total Cost*	$8,042,000

*Rounded up to the nearest thousand

Project Description

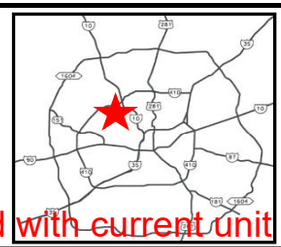
This proposed RSWF is in the Woodlawn Lake Area and will serve as a detention pond and city park. This project will alleviate flooding of homes and streets downstream of this location. There is no property acquisition proposed with this cost estimate and no street work is required.

Project Type: Drainage

Type of Estimate: Planning

Project Status: Unfunded

Consultant: TBD



* Costs have not been updated with current unit costs and/or inflation from date of project creation

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

ATTACHMENT (6)

PROJECT SUMMARY SHEET

Updated: 4/15/2020

Project Name: Mabelle

Council District: 10

Project Limits: Bledsoe Dr, Goforth Dr, and N. Weidner Rd

Watershed: Salado

Future Project #: 2137.01 **2017 Bond #:** xx

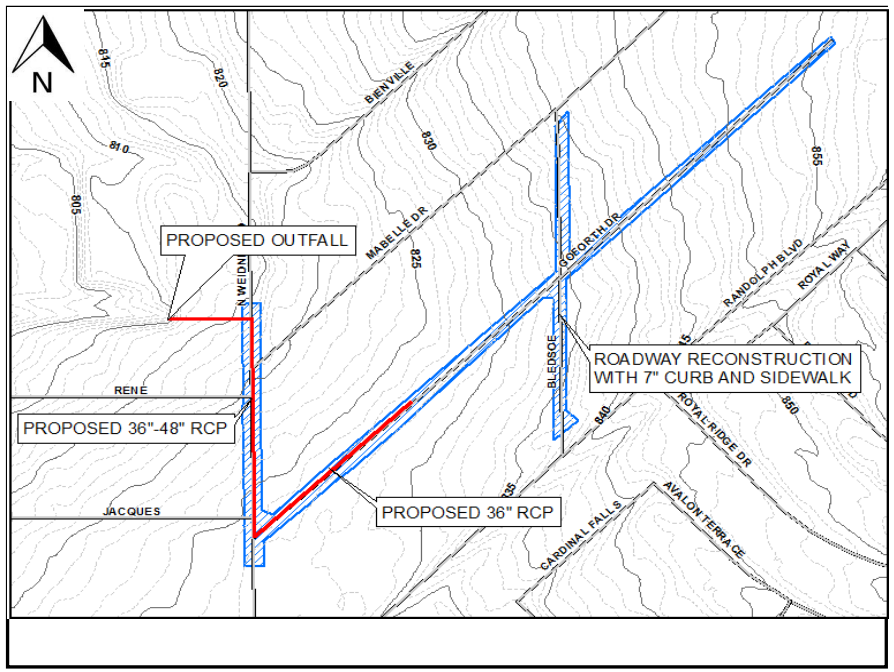
Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
		-
		-
		-
		-
Total Funding		$ -

Cost Information

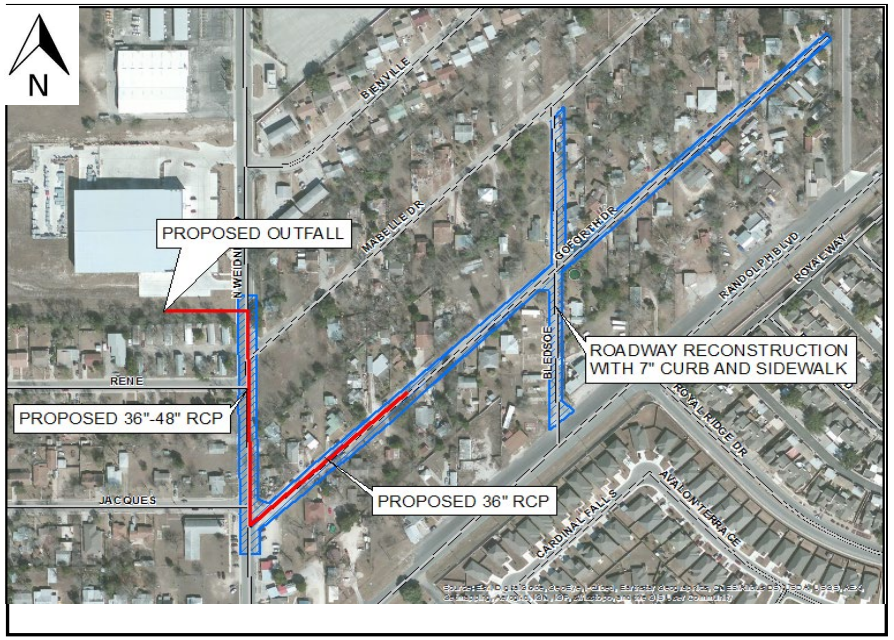
Category *	Cost
Design	$584,924
Real Estate	$99,676
Environmental	$92,511
Miscellaneous	$36,865
Construction	$4,783,733
Total Cost*	$5,598,000

*Rounded up to the nearest thousand



Project Description

Sheet flow through properties along Mabelle St., Goforth St. and Weidner St. is causing flooding on the lower lots and the 25 year storm event is not contained on Goforth St. and Weidner Street. To mitigate this issue, a stormwater drainage system will be installed. The project will consist of 36" RCP within Goforth Dr, and 36"-48" RCP within N. Weidner Rd. Proposed street reconstruction with 7" curbs will contain the 25-year storm event on N. Weidner Rd. and Goforth Street. Mabelle was recently reconstructed with curb and gutter. N. Weidner Rd. is a secondary arterial street and will meet COSA criteria for one passable lane in each direction during the 25-year storm event.

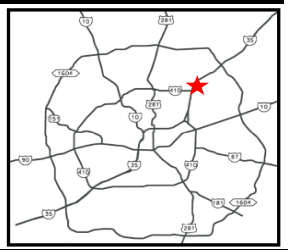


Project Type: Drainage

Type of Estimate: Planning

Project Status: Unfunded

Consultant: TBD



* Costs have not been updated with current unit costs and/or inflation from date of project creation

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

ATTACHMENT (6)

PROJECT SUMMARY SHEET

Updated: 11/15/2018

Project Name: Mainland Dr Area Drainage Improvement - Alt 1

Council District: 7

Project Limits: North Fork Dr to Highland Park Dr

Watershed: Leon Creek

Future Project #: 2139.01

Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
		-
		-
		-
		-
Total Funding		$ -

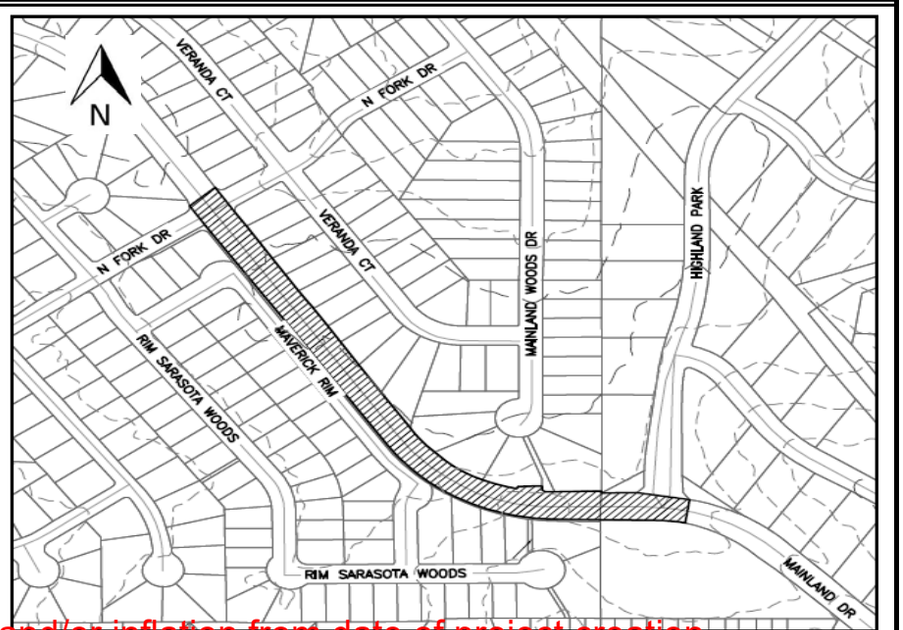
Cost Information *

Category	Cost
Design	$265,149
Real Estate	$0
Environmental	$5,600
Miscellaneous	$29,680
Construction	$1,993,056
Total Cost*	$2,300,000

*Rounded up to the nearest $10,000

Project Description

Citizen complaints are from the runoff from Mainland Woods Subdivision flooding Mainland Drive as it crosses the street. Runoff from the concrete channel constructed by Mainland Woods Subdivision drains onto Mainland Drive at the north side of the low on the road. The runoff from Mainland Woods Subdivision is released at the Mainland Drive's north curb by way of a 5-foot sidewalk-bridge, where it then flows southeast across the street to a 10-foot sidewalk bridge and conveyed by channel down to the next street. The proposed solution (Alternative I) involves replacing the existing 10-foot sidewalk culvert with a 15-foot sidewalk bridge to allow flow to more effectively leave the roadway. The proposed project will also reconstruct the roadway within the project limits and includes curbs and sidewalks.



Project Type: Drainage

Type of Estimate: Planning

Project Status: Unfunded

Consultant: TBD

*Costs have not been updated with current unit costs and/or inflation from date of project creation

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

ATTACHMENT (6)

PROJECT SUMMARY SHEET

Updated: 8/30/2019

Project Name: Moursund Rd. Area Drainage Improvement - Alt 2

Council District: 3

Project Limits: Loop 410 to Moursund Rd.

Watershed: Medina River

Potential Project #: 2142.01

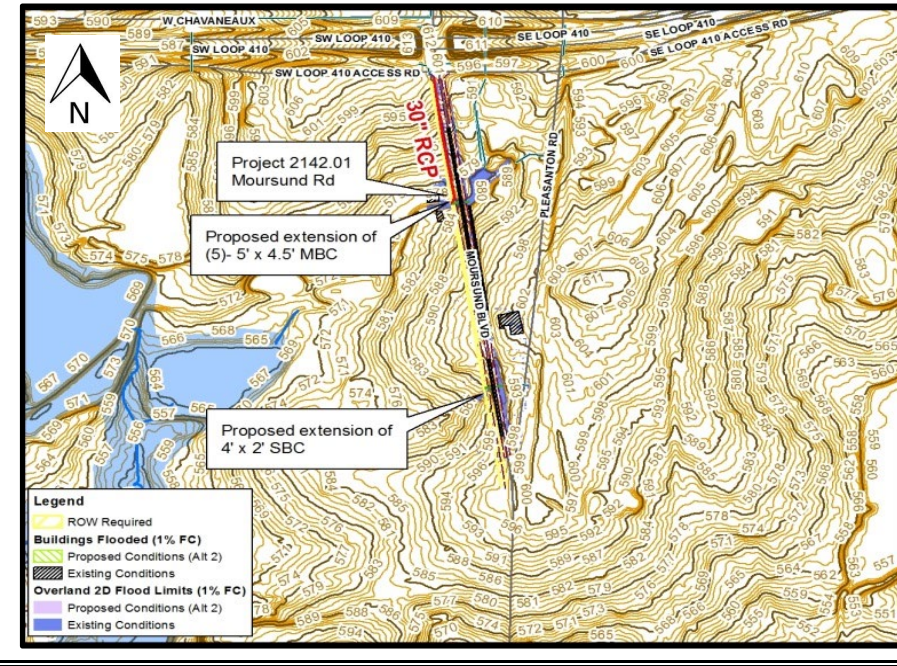
Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
		-
		-
		-
		-
Total Funding		**$ -**

Cost Information

Category		Cost
Design	$	771,418
Real Estate	$	529,717
Environmental	$	102,147
Miscellaneous	$	100,945
Construction	$	6,273,894
Total Cost*	**$**	**7,780,000**

*Rounded up to the nearest $10,000



Project Description

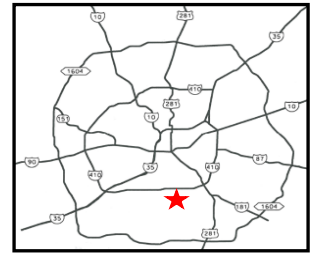
The proposed project comprises converting an earthen trapezoidal channel along the northen property lines of homes on Fairmeadows to a concrete trapezoidal channel of the same dimensions.

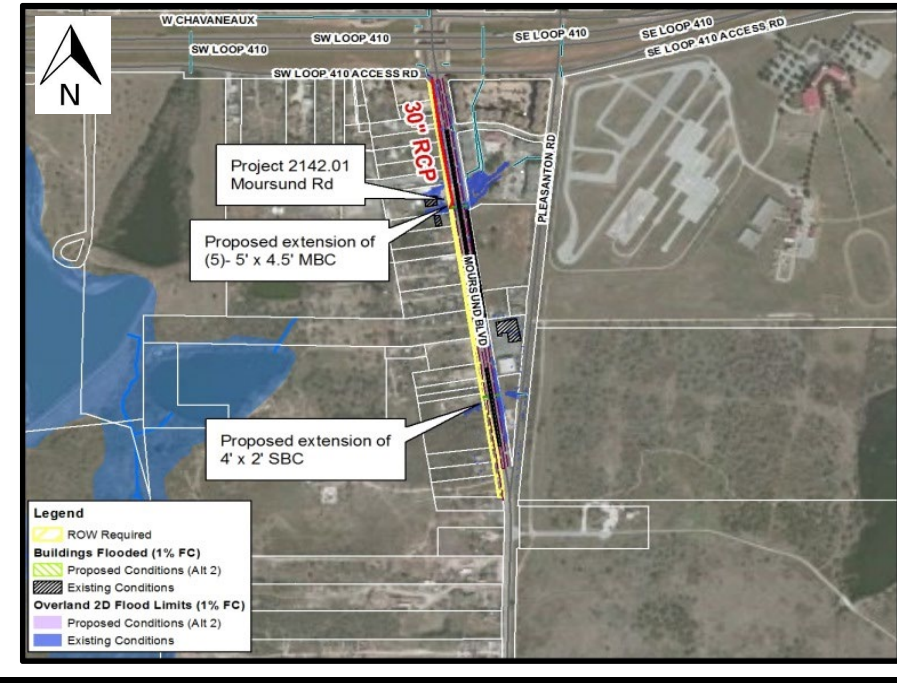
Project Type: Drainage

Type of Estimate: Planning

Project Status: Unfunded

Contractor: TBD





* Costs have not been updated with current unit costs and/or inflation from date of project creation

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

ATTACHMENT (6)
PROJECT SUMMARY SHEET

Updated: 5/5/2021

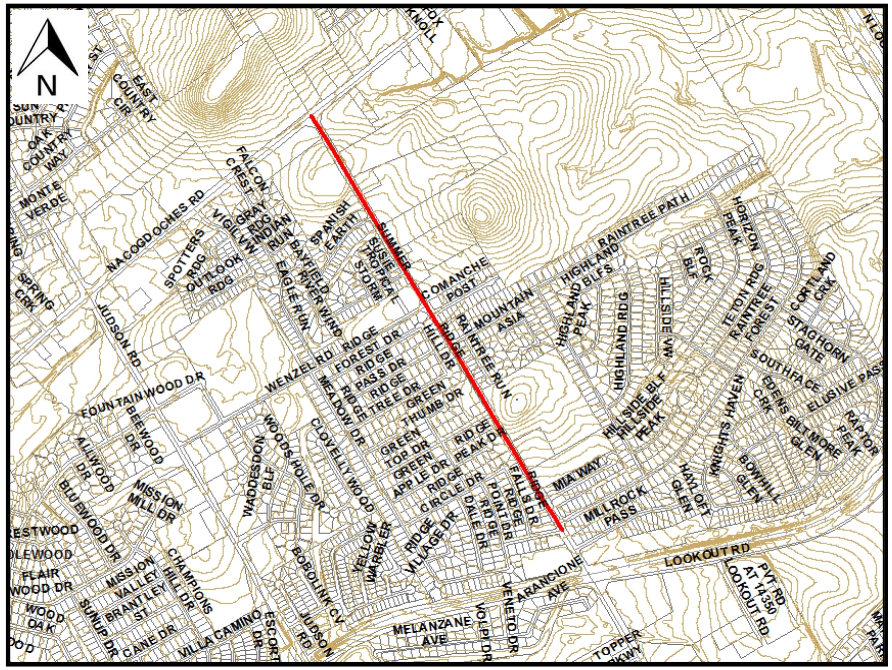
Project Name: Toepperwein

Council District: 10

Project Limits: Nacogdoches to Ridge Willow Drive

Watershed: Salado

Future Project #: 2143.01



Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
		-
		-
		-
		-
Total Funding		$ -

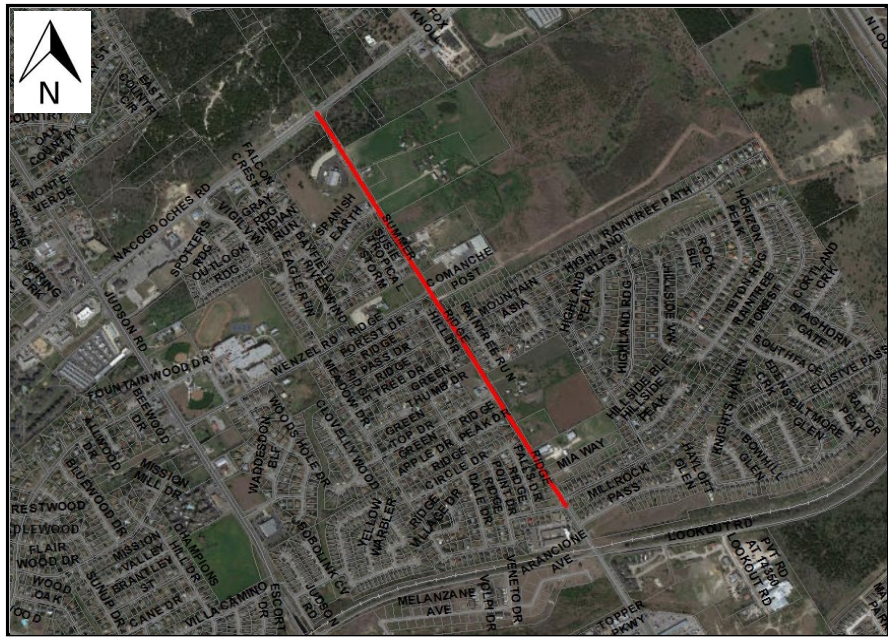
Cost Information

Category	*	Cost
Design		$1,649,738
Real Estate		$2,494,230
Environmental		$116,085
Miscellaneous		$0
Construction		$14,002,147
Total Cost*		$18,270,000

*Rounded up to the nearest ten thousand

Project Description

Runoff from adjacent properties is causing flooding on Toepperwein and the existing street does not contain the 25-year storm event. To mitigate this issue, a stormwater drainage system along Toepperwein will be installed from Nacogdoches to Ridge Willow Drive. The associated street reconstruction will include curbs, sidewalks, and driveway approaches. The project will replace the two broken outfalls. Proposed street reconstruction with 7-inch curbs will contain the 25-year storm event on Toepperwein Road.

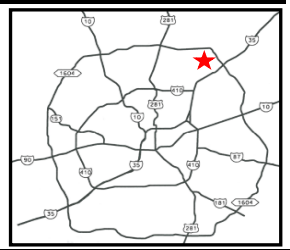


Project Type: Drainage

Type of Estimate: Planning

Project Status: Unfunded

Consultant: TBD



* Costs have not been updated with current unit costs and/or inflation from date of project creation

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

ATTACHMENT (6)
PROJECT SUMMARY SHEET

Updated: 7/16/2019

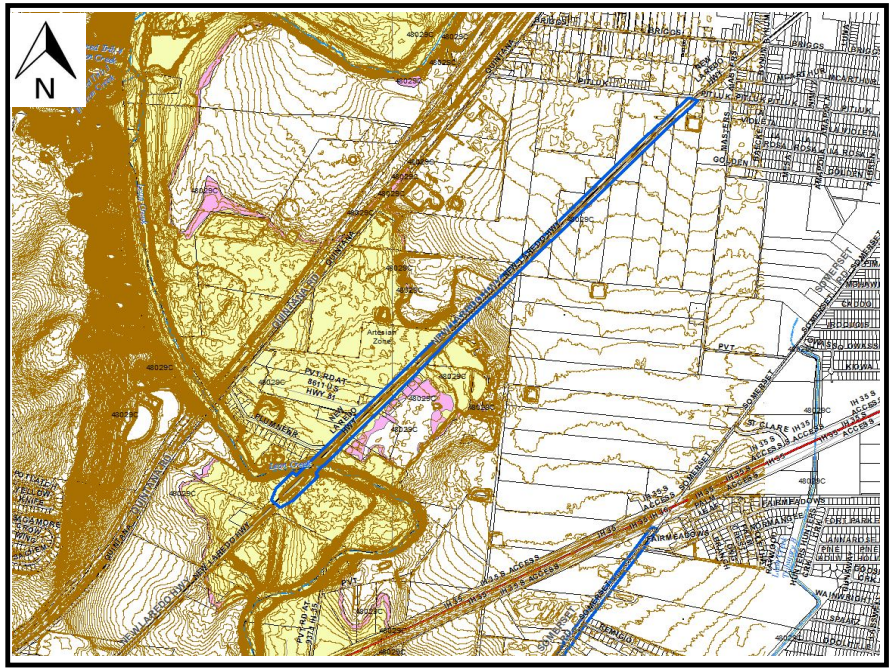
Project Name: New Laredo Hwy - Middle

Council District: 4

Project Limits: From 723 feet past Leon Creek crossing at New Laredo Hw

Watershed: Leon Creek

Future Project #: 2149.01



Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
		-
		-
		-
		-
Total Funding		$ -

Cost Information

Category *	Cost
Design	$1,999,207
Real Estate	$0
Environmental	$114,450
Miscellaneous	$21,800
Construction	$17,263,157
Total Cost*	$19,400,000

*Rounded up to the nearest $10,000

Project Description

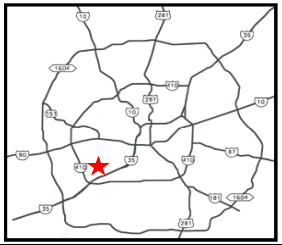
The New Laredo Mid project consists of reconstructing the roadway from Leon Creek to Pitluk Ave. Included with the roadway reconstruction are curbs, sidewalks, and driveway approaches. Armored curb inlets will then drain the roadway into parallel concrete lined channels. Driveway culverts will be composed of 24"RCP, 30" RCP, and 36" RCP. The cost estimate for this project does not assume additional lanes to the typical section. The roadway will be analyzed in according to the current UDC drainage and roadway criteria. Offsite drainage shall be captured in a parallel concrete ditch designed to the 25-year storm event.

Project Type: Drainage

Type of Estimate: Planning

Project Status: Unfunded

Consultant: TBD



* Costs have not been updated with current unit costs and/or inflation from date of project creation

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

ATTACHMENT (6)

PROJECT SUMMARY SHEET

Updated: 8/8/2016

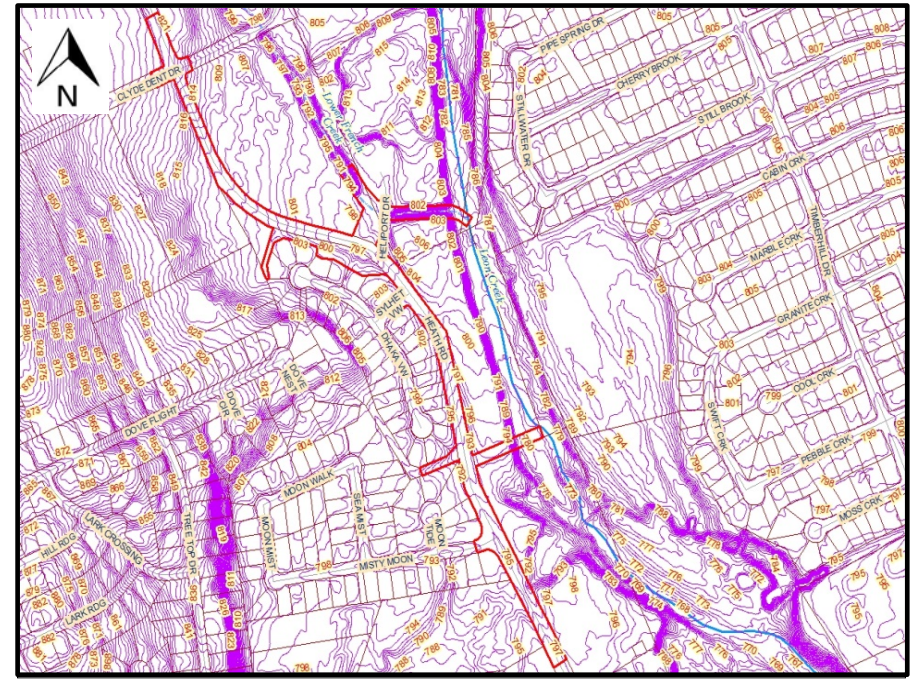
Project Name: Heath Rd. Area Drainage Improvement

Council District: 6

Project Limits: 700' North of Grissom Rd to 250' North of Clyde Dent

Watershed: Leon Creek

Future Project #: 2155 **2017 Bond #:** 2841



Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
		-
		-
		-
		-
Total Funding		$ -

Cost Information

Category	*	Cost
Design		$1,626,301
Real Estate		$223,285
Environmental		$28,052,477
Miscellaneous		$217,714
Construction		$13,190,499
Total Cost*		$43,400,000

*Rounded up to the nearest $100,000

Project Description

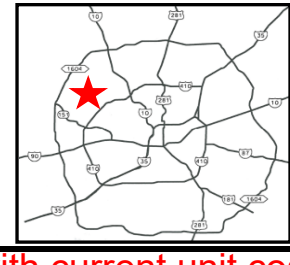
Area residents have expressed concerns of drainage issues on and along Heath Rd. between Grissom Rd. and Clyde Dent Dr. for many years The proposed potential drainage project comprises the construction of a storm drain system and street reconstruction that includes curbs, sidewalks, and driveway approaches as needed. The proposed storm system consists of upgraded culverts, installation of curb inlets, installation of storm drains with laterals, and construction of outfall channels. Minor property acquistion along Heath Rd. is required for the reconstruction of the road. A portion of Lower French Creek will require reconstruction so it can be utilized as an outfall channel for this project and other projects upstream of Heath Rd. However, this will require one entire property taking and this property is known to be an unregulated MSW landfill and will require extensive environmental mitigation.

Project Type: Drainage

Type of Estimate: Planning

Project Status: Unfunded

Consultant: TBD



* Costs have not been updated with current unit costs and/or inflation from date of project creation

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

ATTACHMENT (6)
PROJECT SUMMARY SHEET

Updated: 10/22/2019

Project Name: Babcock Road

Council District: 8

Project Limits: Hausman to 1604

Watershed: Leon Creek

Future Project #: 2165.01

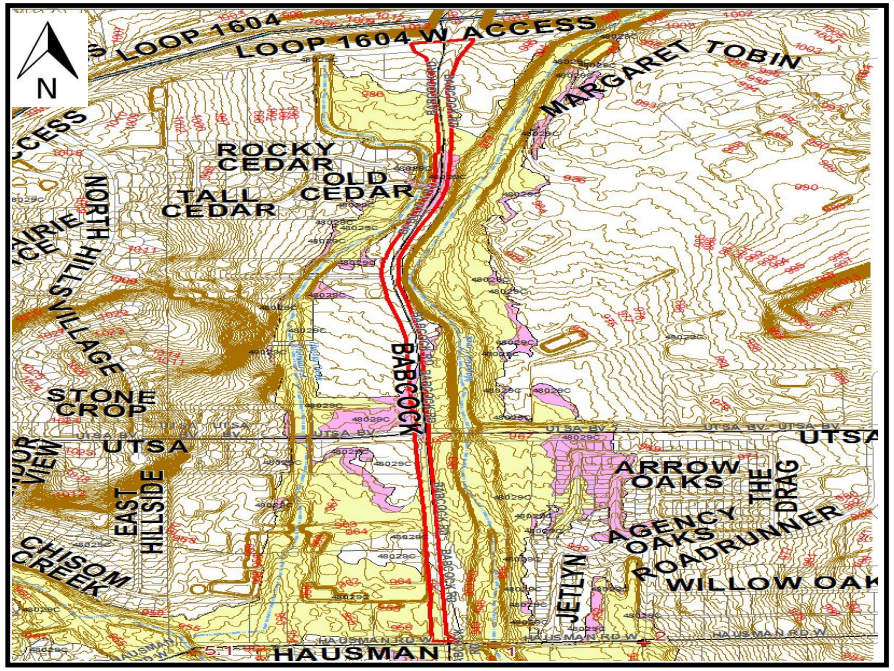
Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
		-
		-
		-
		-
Total Funding		$ -

Cost Information

Category *	Cost
Design	$1,202,186
Real Estate	$0
Environmental	$114,450
Miscellaneous	$12,535
Construction	$10,120,827
Total Cost*	$11,450,000

*Rounded up to the nearest $10,000



Project Description

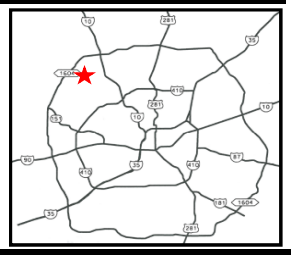
311 complaints have been regarding ponding water at the intersection of Babcock Rd. and Hausman Rd. This project requires installation of an underground drainage system along Babcock from Hausman to Loop 1604 . Babcock Road will be reconstructed from 1604 to Hausman and will include the Babcock Rd. / Hausman Rd. intersection. The proposed street reconstruction will include curbs, sidewalks, and driveway approaches.

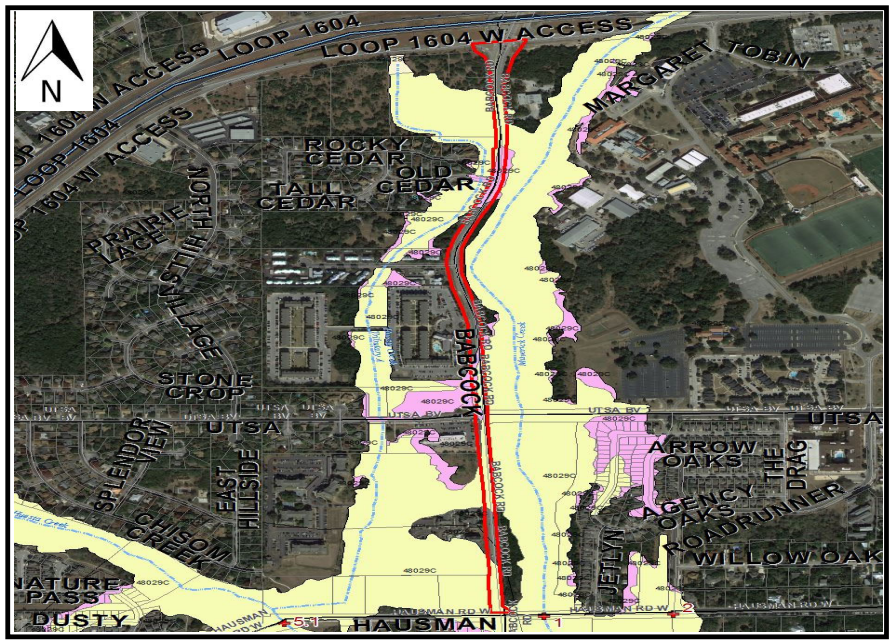
Project Type: Drainage

Type of Estimate: Planning

Project Status: Unfunded

Consultant: TBD





* Costs have not been updated with current unit costs and/or inflation from date of project creation

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

ATTACHMENT (6)

PROJECT SUMMARY SHEET

Updated: 5/11/2020

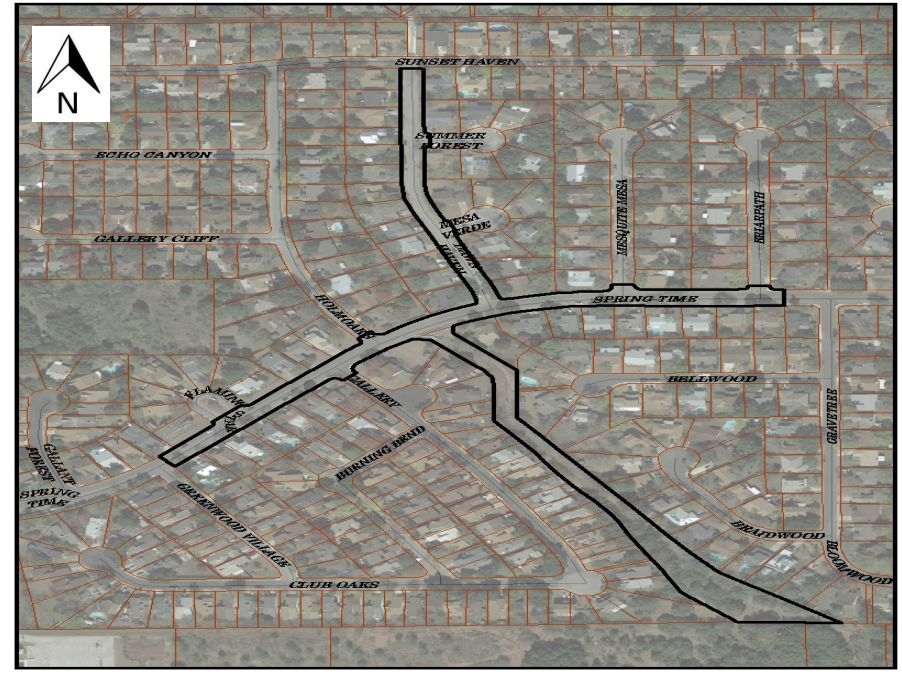
Project Name: Spring Time - Dawn Haven Area Drainage Improvement

Council District: 8

Project Limits: Spring Time - Greenwood Village to Briarpath
Dawn Haven - Sunset Haven to Spring Time

Watershed: Leon Creek

Future Project #: 2176.01



Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
		-
		-
		-
		-
Total Funding		$ -

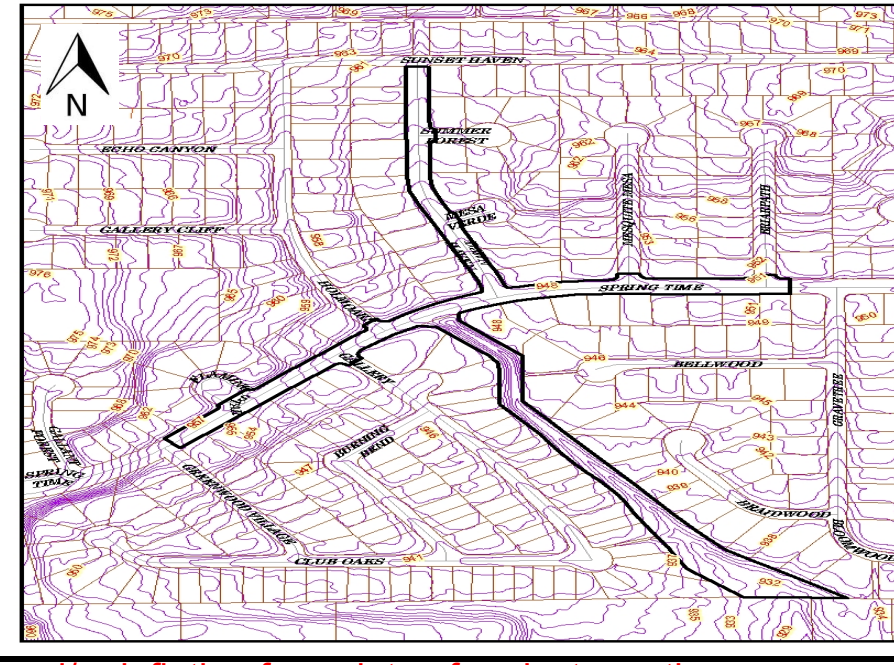
Cost Information

Category	*	Cost
Design		$498,812
Real Estate		$0
Environmental		$114,450
Miscellaneous		$20,710
Construction		$4,062,600
Total Cost*		$4,700,000

*Rounded up to the nearest $10,000

Project Description

Area residents have expressed concerns of local nuisance property flooding and ponding water on the streets. The proposed project comprises the construction of two storm drain systems and street reconstruction. The proposed drainage systems will consist of 10' curb inlets, 24" inlet lateral lines, 42" reinforced concrete pipe (RCP) trunk-line, junction boxes, and other various drainage components. The outlet structure located on Spring Time between Holmoaks and Dawn Haven will be reconstructed to accommodate storm runoff not completely captured by the proposed curb inlets. The existing earthen channel at this structure will be re-graded to accommodate the proposed drainage systems and mitigate possible nuisance flooding approximately 1250 feet south of Spring Time. Spring Time and Dawn Haven will be completely reconstructed within the project limits and will include curbs, sidewalks, and affected driveway approaches.

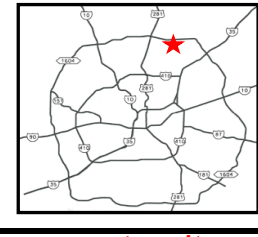


Project Type: Drainage

Type of Estimate: Planning

Project Status: Unfunded

Consultant: TBD



* Costs have not been updated with current unit costs and/or inflation from date of project creation

ATTACHMENT (6)
PROJECT QUAD SHEET

Project Name: Monticello Outfall

Council District: 3

Project Limits: Existing storm drain from Monticello Ct to Clark Ave

Watershed: San Antonio River

Future Project #: 2187.01

Funding Information

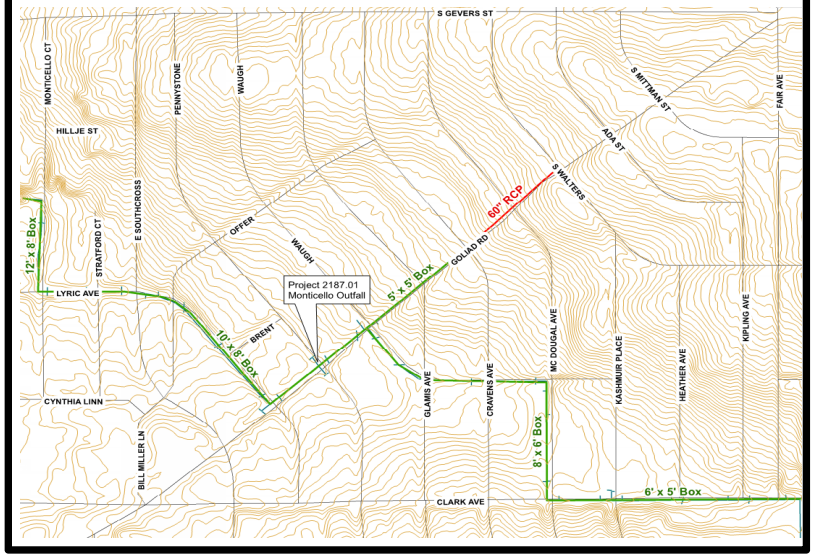
Fund	Year	Amount
To Be Determined (TBD)		$ -
Total Funding		$ -

Cost Information

Category *		Cost
Engineering	$	3,752,818
Construction	$	31,744,076
Other Construction	$	889,127
Management	$	4,624,663
Inflation	$	4,635,233
Total Cost*	$	45,650,000

*Rounded up to the nearest ten-thousand

Project Area Map



Approximate Construction Cost Distribution: Street 24.3%, Drainage 74.6%, Traffic 1.1%

Project Description

Proposed CIP includes the construction of curbs, sidewalks, and street reconstruction. Street reconstruction limits include Monticello Ct, Lyric St, Goliad Rd, Waugh St, McDougal Ave, and Clark Ave. The project will require acquisition of right-of-way along Goliad and Clark Streets. The existing box culvert extending from Clark Ave to Monticello will be replaced with box culvert varying in size starting at Monticello Street. Proposed storm drain will be added at the intersecting streets to improve conveyance. Downstream analysis was not completed. However, there are no notable major impacts as a result of improved conveyance.

Project Area Map

Project Type: **Drainage**

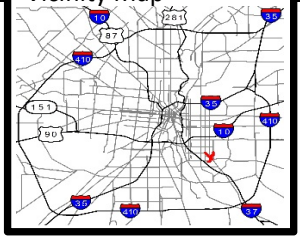
Type of Estimate: **Level I**

Project Status: **Planning Limited Detail**

Project Funding Status: **Unfunded**

Consultant: **Vickrey**

Vicinity Map



* Costs have not been updated with current unit costs and/or inflation from date of project creation

ATTACHMENT (6)
PROJECT QUAD SHEET

Project Name: S San Ignacio

Council District: 5

Project Limits: N San Ignacio Ave from W Commerce St to Dartmouth St

Watershed: Upper San Antonio River

Future Project #: 2194.01

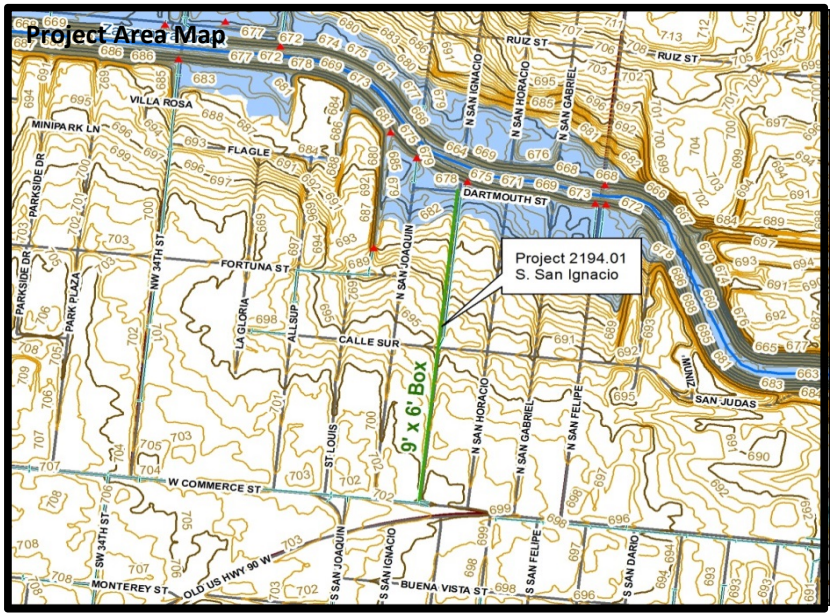
Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
Total Funding		$ -

Cost Information

Category		Cost
Engineering	*	$ 746,712
Construction		$ 6,186,273
Other Construction		$ 141,794
Management		$ 899,204
Inflation		$ 901,259
Total Cost*		$ 8,880,000

*Rounded to the nearest ten thousand



Approximate Construction Cost Distribution: Street 20.1%, Drainage 79.9%, Traffic 0%

Project Description

The existing 66" RCP to 7'x4' SBC storm drain along San Ignacio does not have sufficient capacity for the 100-year ultimate event. Also, there are no existing curb inlets to capture flow along San Ignacio which has insufficient street capacity. A proposed storm drain (9'x6' SBC) along San Ignacio from Commerce to Dartmouth will alleviate flooding of residential properties and streets. An additional 80 feet of curb inlet is also required along San Ignacio to capture the local drainage. Due to anticipated velocities at the storm drain outfall, energy dissipation measures are recommended. Associated street reconstruction to include curbs, sidewalks, and driveway approaches. Improvements are local and no downstream impacts are expected. Outfall treatment for trash and floatables is possible. Additional connectivity could be achieved by tying new sidewalks to the West Side Creek Trails.

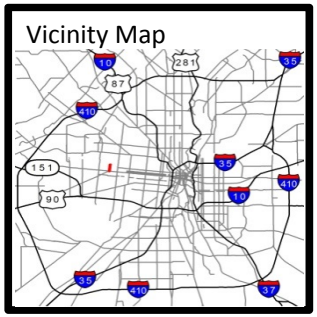
Project Type: Drainage

Type of Estimate: Level I

Project Status: Planning Limited Detail

Project Funding Status: Unfunded

Consultant: HDR



* Costs have not been updated with current unit costs and/or inflation from date of project creation

ATTACHMENT (6)
PROJECT QUAD SHEET

Project Name: Spicewood Storm Water Improvements

Council District: 1

Project Limits: Neer Ave from Glen Ivy Dr. to Cherry Ridge Dr.

Watershed: Upper San Antonio River

Future Project #: 2206.01

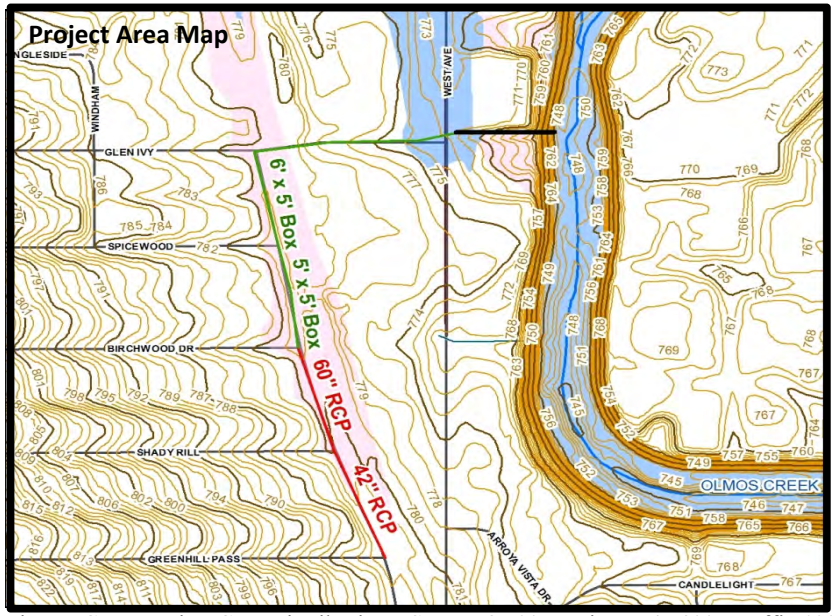
Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
Total Funding		$ -

Cost Information

Category *	Cost
Engineering	$ 445,765
Construction	$ 3,461,886
Other Construction	$ 191,928
Management	$ 521,057
Inflation	$ 522,247
Total Cost*	$ 5,140,000

*Rounded to the nearest ten thousand



Approximate Construction Cost Distribution: Street 52.7%, Drainage 47.3%, Traffic 0%

Project Description

This project will reconstruct Neer Ave. from Glen Ivy to Cherry Ridge. Underground drainage ranging from a 42"RCP to a 6' x 5' SBC is proposed. The outfall will be improved by deepening the existing ditch. This ditch will be a 5 ft bottom width concrete lined channel with vertical walls and remain in the existing drainage easement. The improvements would require associated street reconstruction to include curbs, pavement and driveway approaches be incorporated into the project. The project is currently within the future effective floodplain of Rock Creek (2055.01).

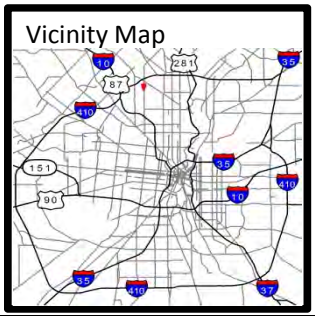
Project Type: Drainage

Type of Estimate: Level I

Project Status: Planning Limited Detail

Project Funding Status: Unfunded

Consultant: HDR



* Costs have not been updated with current unit costs and/or inflation from date of project creation

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

ATTACHMENT (6)

PROJECT SUMMARY SHEET

Updated: 4/15/2020

Project Name: Fountain Wood

Council District: 10

Project Limits: O'Connor to Dreamwood

Watershed: Salado

Future Project #: 2214.01 **2017 Bond #:** xx

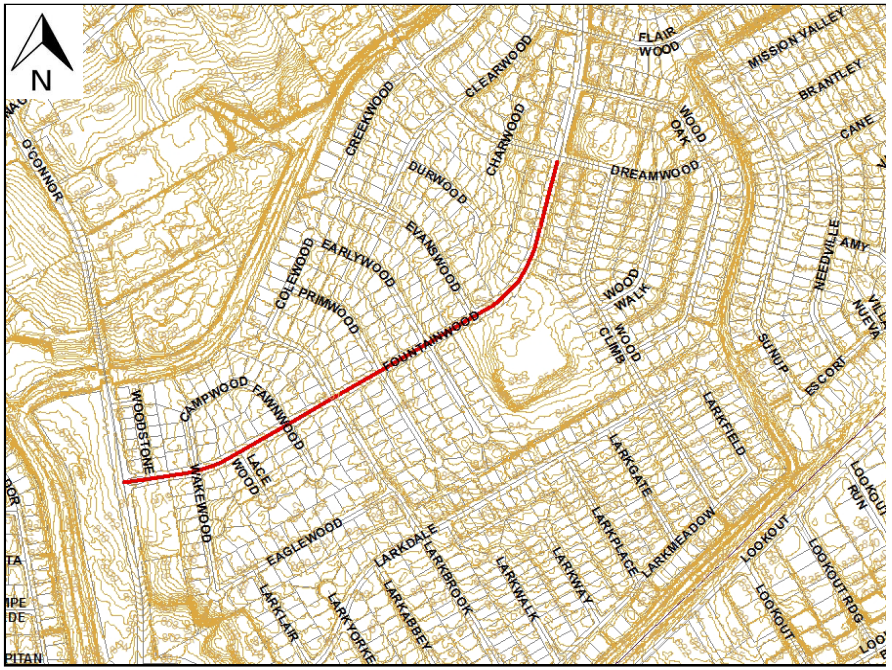
Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
		-
		-
		-
		-
Total Funding		$ -

Cost Information

Category *	Cost
Design	$792,455
Real Estate	$0
Environmental	$64,688
Miscellaneous	$106,423
Construction	$6,483,391
Total Cost*	$7,447,000

*Rounded up to the nearest thousand



Project Description

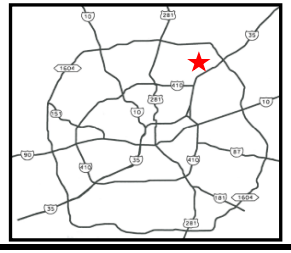
This project will provide an underground drainage system (inlets, piping, etc.) to alleviate street flooding. The associated street reconstruction will include curb, sidewalk, and driveway approaches.

Project Type: Drainage

Type of Estimate: Planning

Project Status: Unfunded

Consultant: TBD



* Costs have not been updated with current unit costs and/or inflation from date of project creation

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

ATTACHMENT (6)

PROJECT SUMMARY SHEET

Updated: 3/7/2017

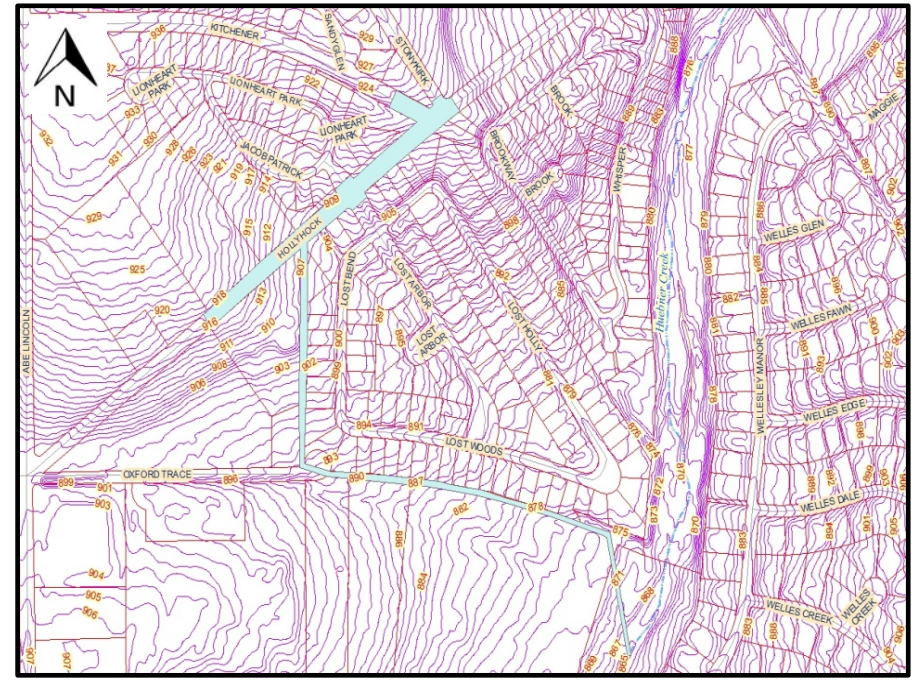
Project Name: Hollyhock at Lost Arbor Area Drainage Improvement

Council District: 7

Project Limits: Hollyhock Rd. (670 feet Southwest of Lost Arbor to Stonykirk) to Huebner Creek

Watershed: Leon Creek

Future Project #: 2222



Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
		-
		-
		-
		-
Total Funding		$ -

Cost Information

Category	*	Cost
Design		$441,885
Real Estate		$150,057
Environmental		$114,450
Miscellaneous		$28,885
Construction		$3,485,485
Total Cost*		$4,300,000

*Rounded up to the nearest $100,000

Project Description

Residents of the Lost Oaks subdivision claim that runoff from the Yorkshire subdivision is causing localized drainage issues within their subdivision and creating an unsafe condition on Hollyhock south of Lost Arbor.

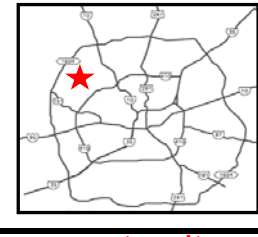
The proposed project comprises the construction of a storm drainage system consisting of roadside swales and culvert crossings emptying into Huebner Creek. The culvert crossings beneath Jacob Patrick and Hollyhock consist of 30” to 42"-diameter reinforced concrete pipe (RCP). The roadside swales will be trapezoidal earthen channels with bottom widths of four and five feet and side slopes of 3:1 (Horizontal:Vertical). The swales will empty into a culvert system beneath Hollyhock and convey runoff from local area streets west of Hollyhock Rd, and the Yorkshire subdivision to Huebner Creek approximately 2,000 feet east of Hollyhock.

Project Type: Drainage

Type of Estimate: Planning

Project Status: Unfunded

Consultant: TBD



* Costs have not been updated with current unit costs and/or inflation from date of project creation

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

ATTACHMENT (6)
PROJECT SUMMARY SHEET

Updated: 6/3/2020

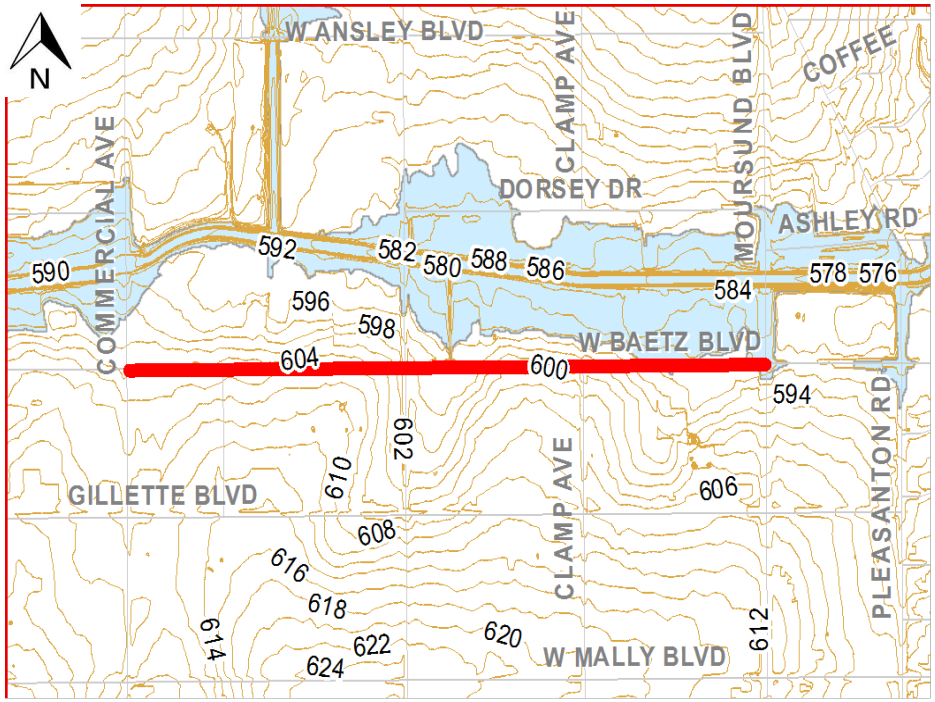
Project Name: W. Baetz (Moursound to Commercial)

Council District: 3

Project Limits: W. Baetz from Moursound to Commercial

Watershed: San Antonio River

Potential Project #: 2234.01



Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
		-
		-
		-
		-
Total Funding		$ -

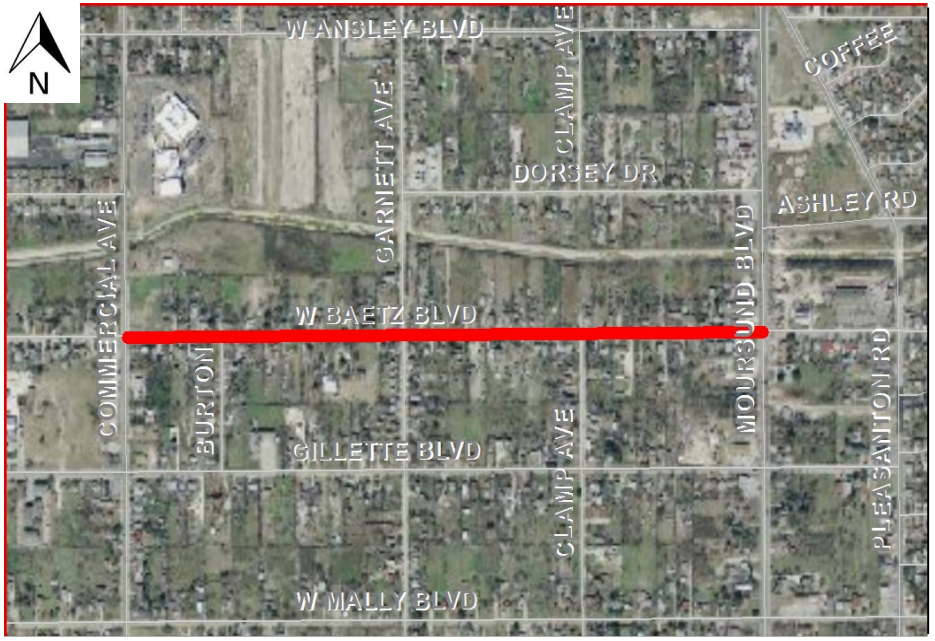
Cost Information

Category	*	Cost
Design		$587,190
Real Estate		$0
Environmental		$5,450
Miscellaneous		$20,710
Construction		$4,784,678
Total Cost*		$5,400,000

*Rounded up to the nearest ten thousand

Project Description

This project (FP#2234) proposes to reconstruct approximate 4000 linear feet (l.f) of street and drainage on W. Baetz Street. The reconstruction consists of 36", 48", and 72" storm sewer pipe with all the drainage appurtenants to go with the project. The street reconstruction includes curbs and sidewalks. Be advised that the outfall system (approximate 140 feet east of Garnett Ave) has not been check for conveyance. This must be done before the final design of the system and construction plans are prepare.

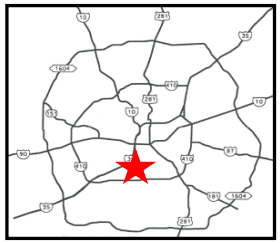


Project Type: Drainage

Type of Estimate: Planning

Project Status: Unfunded

Consultant: TBD



* Costs have not been updated with current unit costs and/or inflation from date of project creation

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

ATTACHMENT (6)
PROJECT SUMMARY SHEET

Updated: 9/9/2019

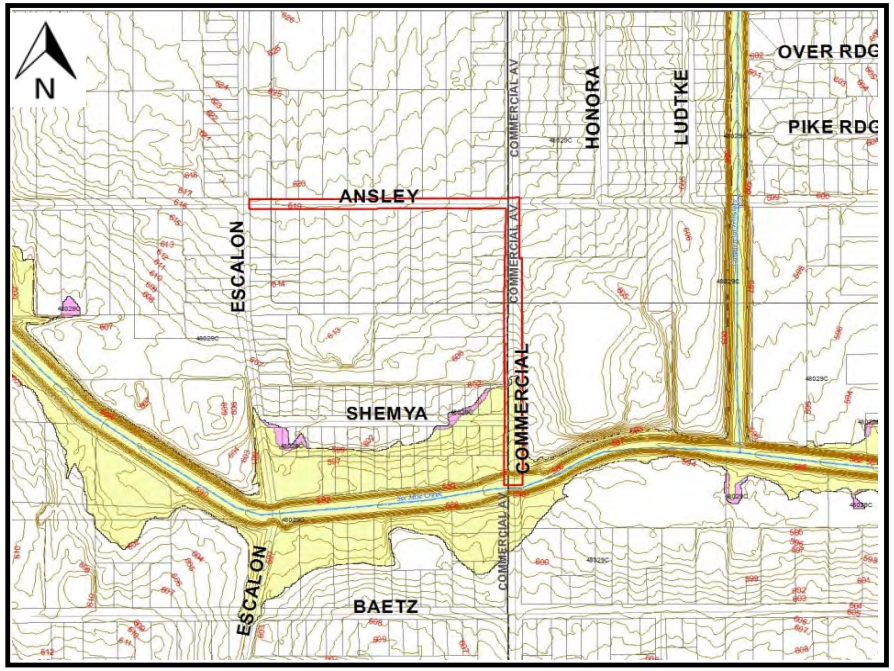
Project Name: W. Ansley Blvd Area Drainage Improvements

Council District: 3

Project Limits: Ansley Blvd. from Escalon Ave to Commercial Ave. and Commercial Ave from W. Ansley Blvd. to Six Mile Creek

Watershed: San Antonio River

Future Project #: 2242.01



Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
		-
		-
		-
		-
Total Funding		$ -

Cost Information

Category *	Cost
Design	$418,274
Real Estate	$0
Environmental	$114,450
Miscellaneous	$58,860
Construction	$3,300,978
Total Cost*	$3,900,000

*Rounded up to the nearest $10,000

Project Description

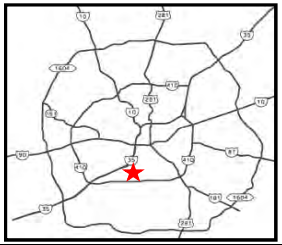
Area residents have complained about property flooding during rain events. This project requires the construction of storm drainage system consisting of 24", 30", 36", & 48" RCP, curb inlets, and junction boxes to convey runoff down Ansley to Commercial and Six Mile Creek. The project also includes reconstruction of the street, new curbs, sidewalks and driveway approaches.

Project Type: Drainage

Type of Estimate: Planning

Project Status: Unfunded

Consultant: TBD



* Costs have not been updated with current unit costs and/or inflation from date of project creation

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

ATTACHMENT (6)
PROJECT SUMMARY SHEET

Updated: 9/30/2019

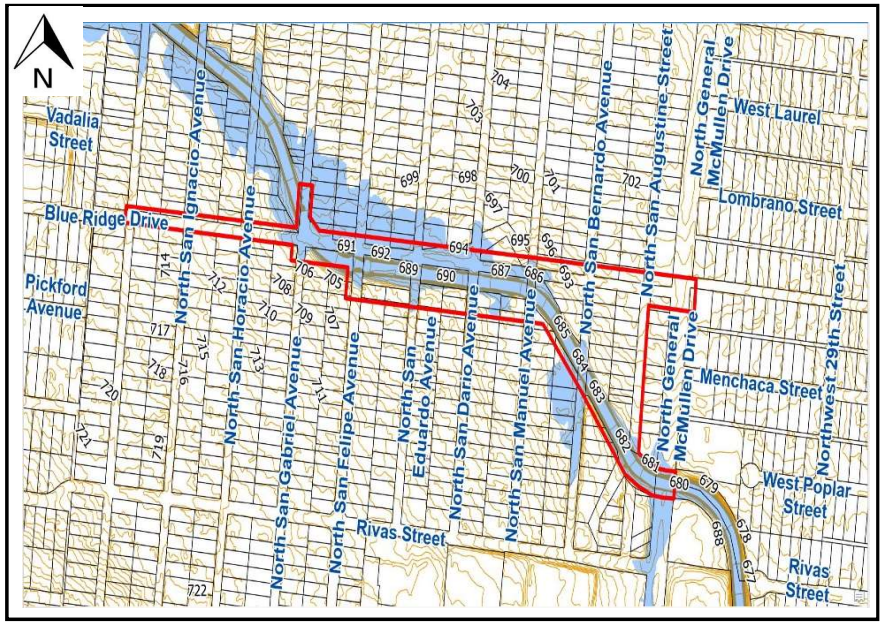
Project Name: Blue Ridge Area Drainage Improvements Phase 1

Council District: 5

Project Limits: Blue Ridge Dr. from San Gabriel Ave to General McMullen Drive

Watershed: San Antonio River

Potential Project #: 2268.01



Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
		-
		-
		-
		-
Total Funding		$ -

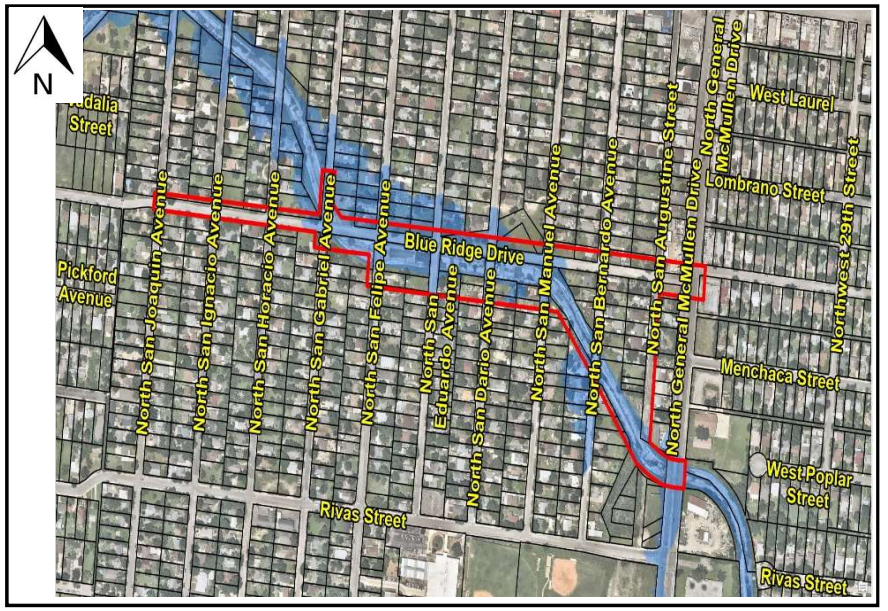
Cost Information

Category *	Cost
Design	$1,327,596
Real Estate	$88,680
Environmental	$92,650
Miscellaneous	$151,510
Construction	$11,173,205
Total Cost*	$12,834,000

*Rounded up to the nearest thousand

Project Description

The existing drainage system surrounding Blue Ridge Drive and the Culebra/Martin Channel is insufficient for the flow in the area. The proposed system contains additional inlets to appropriately capture the overland runoff and direct flow into the Culebra/Martin Channel. Also, channel upsizing and larger box culverts underneath street crosssings are proposed to convey the 100-year storm event. Street Reconstruction with curb and gutter are proposed on San Augustine Ave to capture street flow appropriately. Real Estate acquisition is necessary to upsize the existing channel.

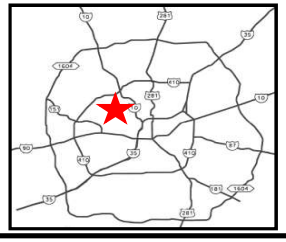


Project Type: Drainage

Type of Estimate: Planning

Project Status: Unfunded

Consultant: TBD



* Costs have not been updated with current unit costs and/or inflation from date of project creation

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

ATTACHMENT (6)
PROJECT SUMMARY SHEET

Updated: 1/1/2021

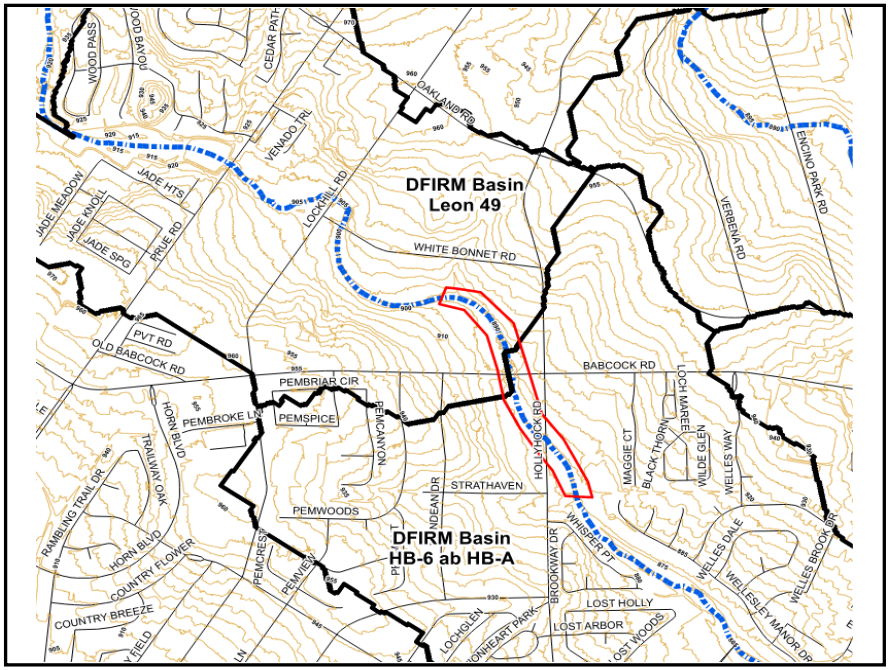
Project Name: Huebner Creek Channelization

Council District: 2, 3

Project Limits: Strathaven to approximately 1,200' Northeast of Babcock

Watershed: Leon Creek

Future Project #: 2284.01 **2017 Bond #:** N/A



Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
		-
		-
		-
		-
Total Funding		$ -

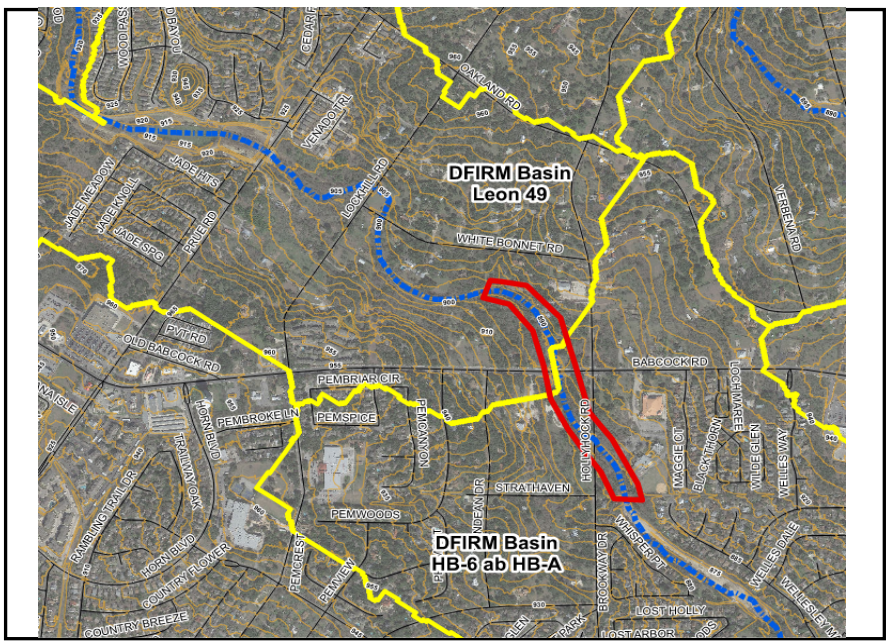
Cost Information

Category	*	Cost
Design		$404,759
Real Estate		$2,130,780
Environmental		$6,956
Miscellaneous		$203,803
Construction		$3,158,257
Total Cost*		$6,000,000

*Rounded up to the nearest $100,000

Project Description

The purpose of this project is to improve the low water crossing of Huebner Creek and Hollyhock Road and mitigate street and property flooding. Currently the low water crossing does not pass any of the design storm events. This project will provide channel improvements from approximately 1,200 feet upstream of the crossing of Huebner Creek and Babcock Road to the intersection of Huebner Creek and Strathaven Street. The proposed channel section is trapezoidal with 100 LF bottom width and 3:1 side slopes. The existing low water crossing will be reconstructed to 9 – 10' X 6' MBC, which will be able to convey the synthetic 10-Year design storm event. Hollyhock is proposed to be reconstructed from the intersection of Babcock Road to the intersection with Strathaven Street.

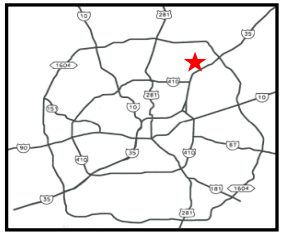


Project Type: Drainage

Type of Estimate: Planning

Project Status: Unfunded

Consultant: TBD



* Costs have not been updated with current unit costs and/or inflation from date of project creation

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

ATTACHMENT (6)
PROJECT SUMMARY SHEET

Updated: 7/22/2021

Project Name: Pinn Rd. Low Water Crossing #107 Area Drainage Improvement

Council District: 6

Project Limits: Texas 151 Access Rd to S Brownleaf St

Watershed: Leon

Future Project #: 2300.01 **2022 Bond #:** xx

Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
		-
		-
		-
Total Funding		$ -

Cost Information

Category	*	Cost
Design		$2,712,787
Real Estate		$0
Environmental		$153,026
Construction		$11,323,348
Total Cost*		$14,190,000

*Rounded up to the nearest ten thousand

Project Description

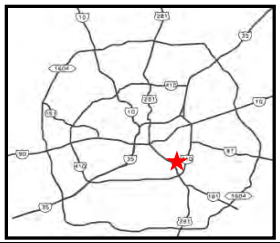
Area residents, businesses, and motorists have expressed concerns about the low water crossing of mainstream Leon Creek at Pinn Rd and State Hwy 151. The contributing drainage area to the existing 5-30" RCP crossing is 173.3 square miles. This crossing floods frequently under minor storm events making it dangerous to cross.This project will upgrade the existing low water crossing (5 - 30" RCP). The revised roadway profile and 500-ft bridge will provide safe passage over and convey the 1-year storm event for Leon Creek. The proposed improvements also include street reconstruction, curbs, sidewalks, and driveway approaches within the project limits. Per COSA Major Thoroughfare, Pinn Rd is classified as Local A Road. However, COSA had requested Pinn Rd compliance with Collector Road classification. The existing pavement width is 44', which meets UDC Collector design standards. Therefore, acquisition costs are not included in the cost estimate for further widening of Pinn Rd.

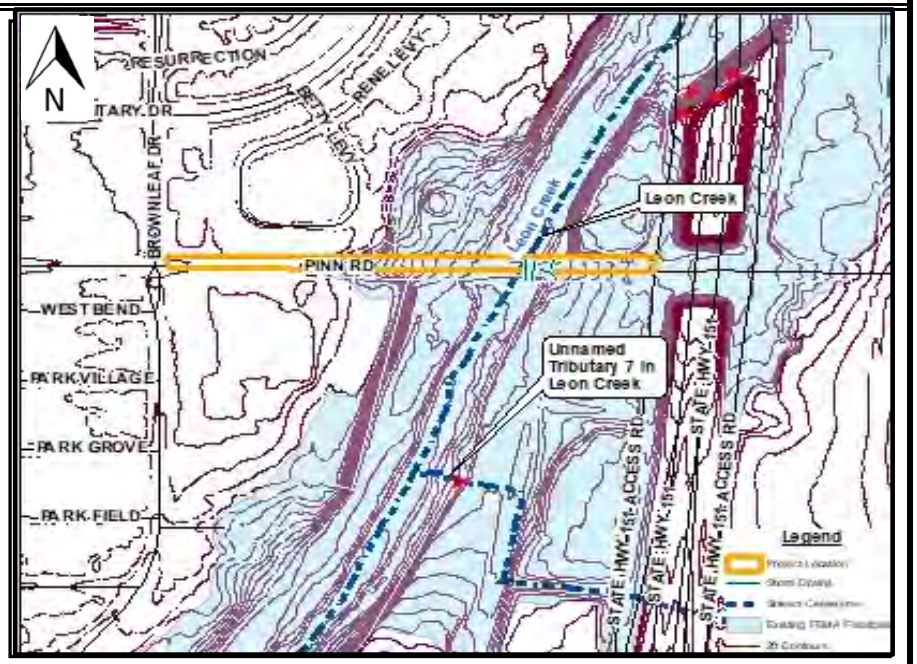
Project Type: Drainage

Type of Estimate: Planning

Project Status: Unfunded

Consultant: TBD





* Costs have not been updated with current unit costs and/or inflation from date of project creation

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

ATTACHMENT (6)

PROJECT SUMMARY SHEET

Updated: 9/3/2019

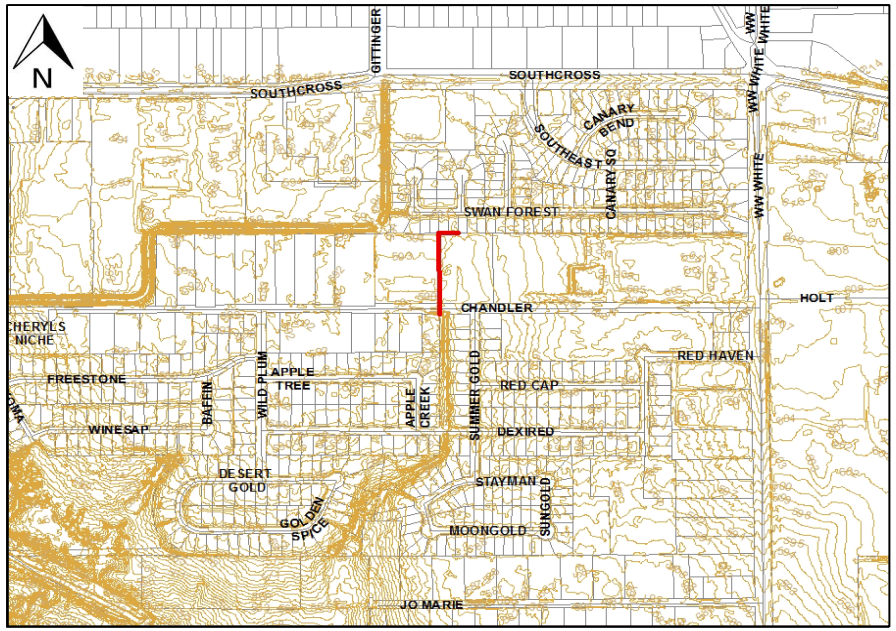
Project Name: Chandler Road Interceptor Channel

Council District: 3

Project Limits: 4307 Chandler Road

Watershed: Salado

Future Project #: 2333.01



Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
		-
		-
		-
		-
Total Funding		$ -

Cost Information

Category	*	Cost
Design		$31,372
Real Estate		$53,255
Environmental		$50,400
Miscellaneous		$4,480
Construction		$133,635
Total Cost*		$274,000

*Rounded up to the nearest thousand

Project Description

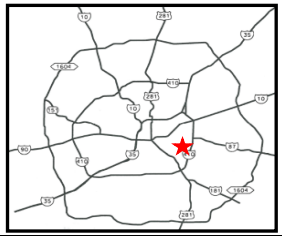
Interceptor channel on Southeast Baptist Hospital parking lot on Chandler Road

Project Type: Drainage

Type of Estimate: Planning

Project Status: Unfunded

Consultant: TBD



* Costs have not been updated with current unit costs and/or inflation from date of project creation

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

ATTACHMENT (6)
PROJECT SUMMARY SHEET

Updated: 5/5/2021

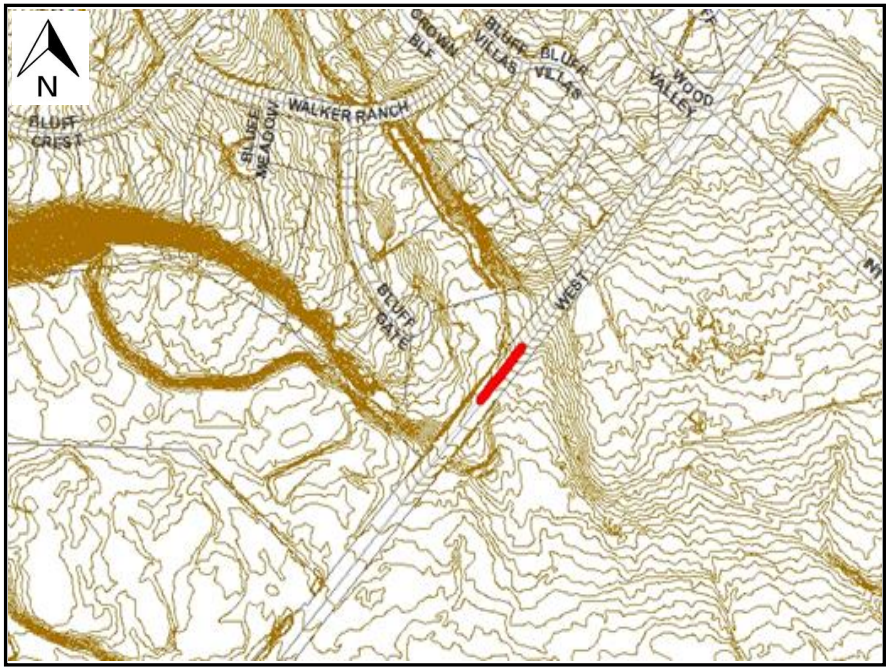
Project Name: Low Water Crossing #13 - West Ave. @ Interpark

Council District: 9

Project Limits: Approximately 800 FT Southwest of Interpark

Watershed: Salado

Future Project #: 2344.01



Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
		-
		-
		-
		-
Total Funding		$ -

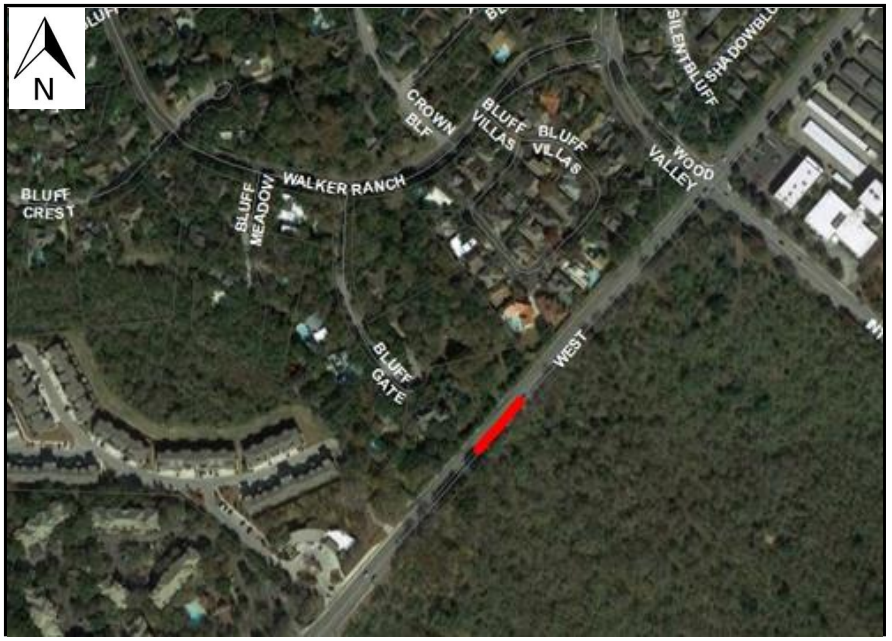
Cost Information

Category *	Cost
Design	$577,502
Real Estate	$434,741
Environmental	$116,085
Miscellaneous	$0
Construction	$4,614,638
Total Cost*	$5,750,000

*Rounded up to the nearest ten thousand

Project Description

Since approximately 2006, residents hace complained about flooding within a low point on West Ave. Approximately 173 acres drains through this area. Thisproject will construct an underground drainage system with an earthen channel to convey the storm water downstream. Right-of-way acquisition will be required. Through the construction of this project, the low water crossing will be improved by reducing storm water ponded depths.

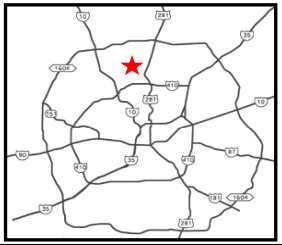


Project Type: Drainage

Type of Estimate: Planning

Project Status: Unfunded

Consultant: TBD



* Costs have not been updated with current unit costs and/or inflation from date of project creation

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

ATTACHMENT (6)
PROJECT SUMMARY SHEET

Updated: 6/28/2017

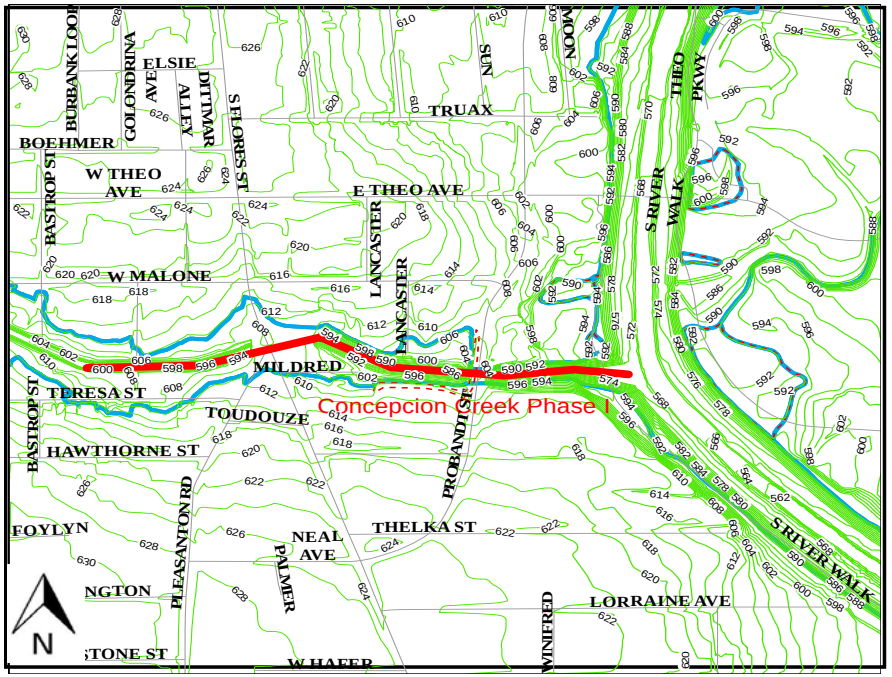
Project Name: Concepcion Creek Phase I

Council District: 3

Project Limits: Concepcion Creek from the outfall at the San Antonio River to past S. Flores

Watershed: SAR

Future Project #: 2374.01



Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
		-
		-
		-
		-
Total Funding		$ -

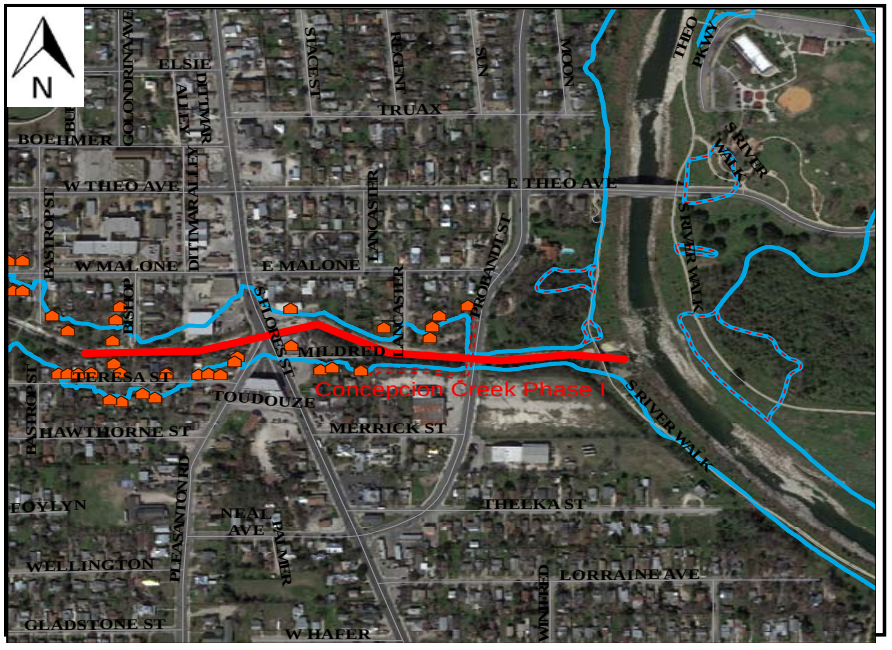
Cost Information

Category	*	Cost
Design		$750,000
Real Estate		
Environmental		
Miscellaneous		
Construction		$9,250,000
Total Cost*		$10,000,000

*Rounded up to the nearest thousand

Project Description

Flooding problems in Concepcion Creek exist from the San Antonio River to S. General McMullen. This is one phase of a larger project required to fix these flooding issues. This phase will improve the outfall starting at the San Antonio River headinf west along Concepcion Creek. The project will acquire property along the creek to widen and improve the creek to accommodate the flood waters. This project will improve the S. Flores St. Bridge to accommodate the flows and will modify the outfall at the San Antonio River to minimize erosion on the river.

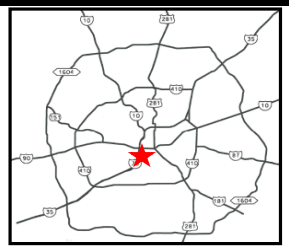


Project Type: Drainage

Type of Estimate: Planning

Project Status: Unfunded

Consultant: TBD

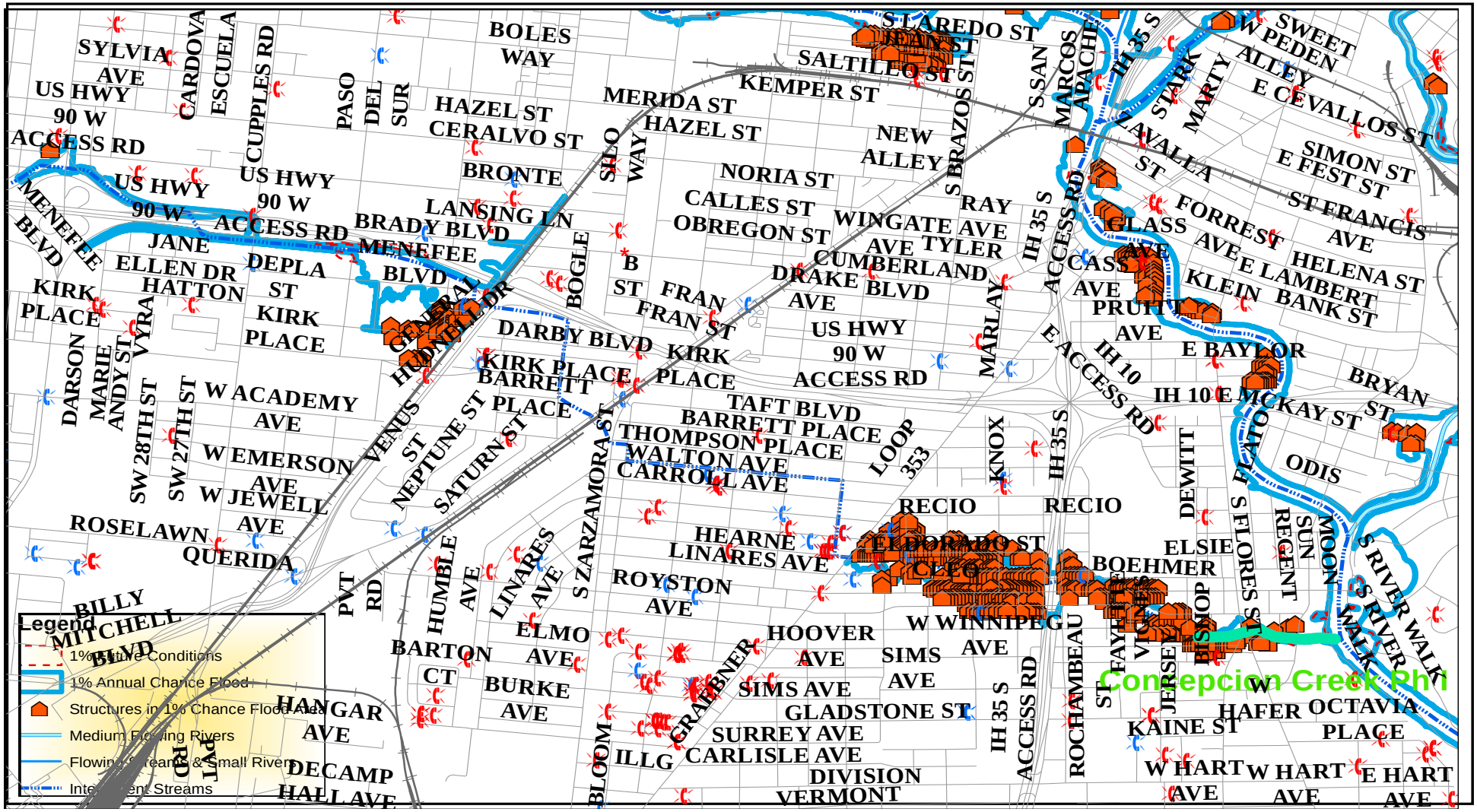


* Costs have not been updated with current unit costs and/or inflation from date of project creation

ATTACHMENT (6)
PROJECT SUMMARY SHEET

Project Name: Concepcion Creek Phase I

Photos:



* Costs have not been updated with current unit costs and/or inflation from date of project creation

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

ATTACHMENT (6)
PROJECT SUMMARY SHEET

Updated: 5/14/2019

Project Name: Wilson Drainage Project

Council District: 7

Project Limits: **Wilson from Woodlawn to Waverly**

Watershed: SAR

Future Project #: 2395.01

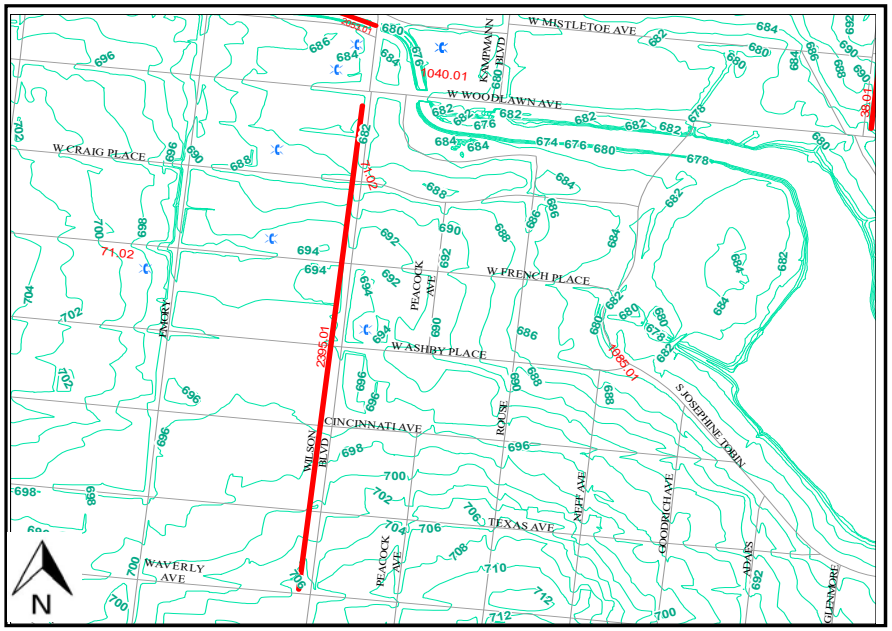
Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
		-
		-
		-
		-
Total Funding		$ -

Cost Information

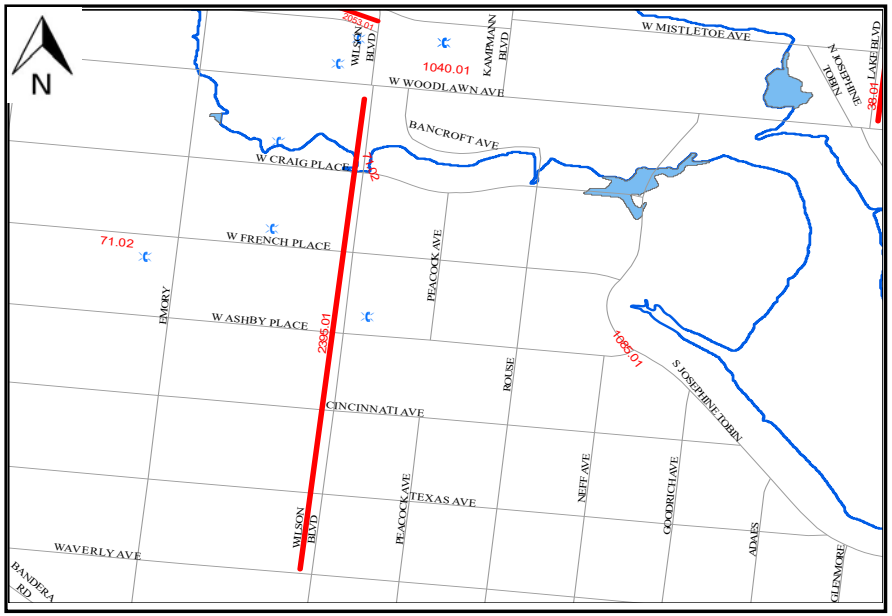
Category *	Cost
Design	$692,434
Real Estate	$10,350
Environmental	$15,000
Miscellaneous	$1,547,887
Construction	$6,294,854
Total Cost*	$8,561,000

*Rounded up to the nearest thousand



Project Description

This project will reconstruction of Willson from Woodlawn to Waverly with an underground drainage system, sizes ranging from a 24 inch reinforce concrete pipe to a single box culvert. This project will relieve flooding on Wilson.

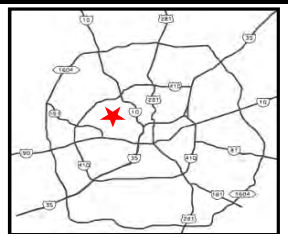


Project Type: Drainage

Type of Estimate: Planning

Project Status: Unfunded

Consultant: TBD



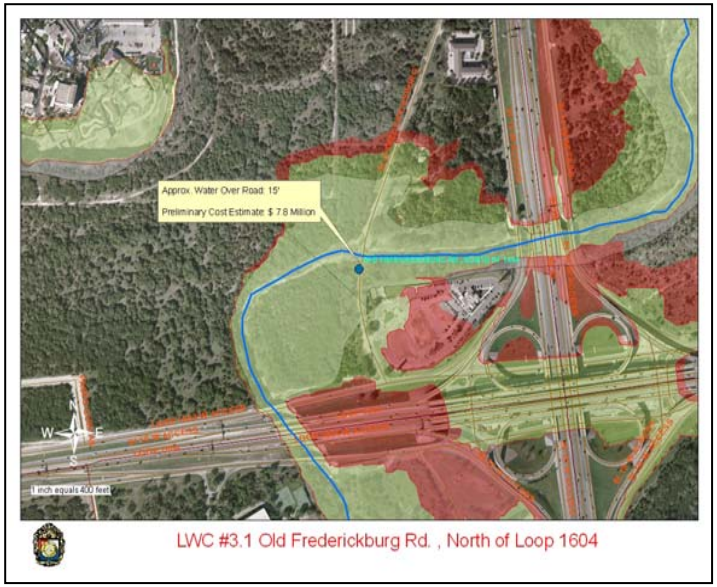
* Costs have not been updated with current unit costs and/or inflation from date of project creation

Project Summary Sheet

Project Name: LWC_3.1_Old_Fredericksburg_Rd._North_of_Loop_1604

Project Limits: Old_Fredericksburg_Rd._North_of_Loop_1604

Watershed: Leon Creek



Funding Information

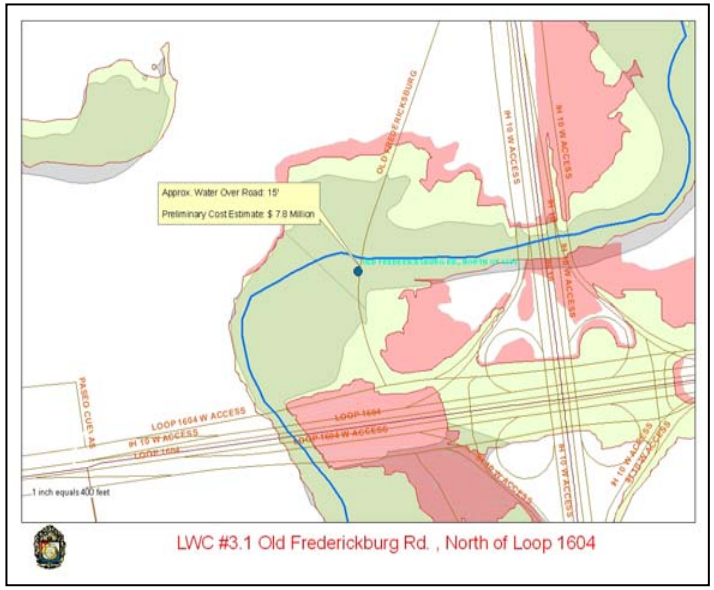
Fund	Year	Amount
To Be Determined (**TBD**)		-
		-
		-
		-
		-
Total Funding		$ -

Cost Information

Category	Cost
Design *	
Real Estate	
Environmental	
Miscellaneous	$2,062,557
Construction	$5,729,325
Total Cost	$7,791,882

Project Description

Project includes improvement of low water crossing and associated street reconstruction. Street reconstruction to include sidewalks, curbs and driveway approaches.



Project Type: Drainage

Type of Estimate Pre-Scoping City

Project Status -----

Consultant **TBD**

* Costs have not been updated with current unit costs and/or inflation from date of project creation

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

ATTACHMENT (6)
PROJECT SUMMARY SHEET

Updated: 11/12/2021

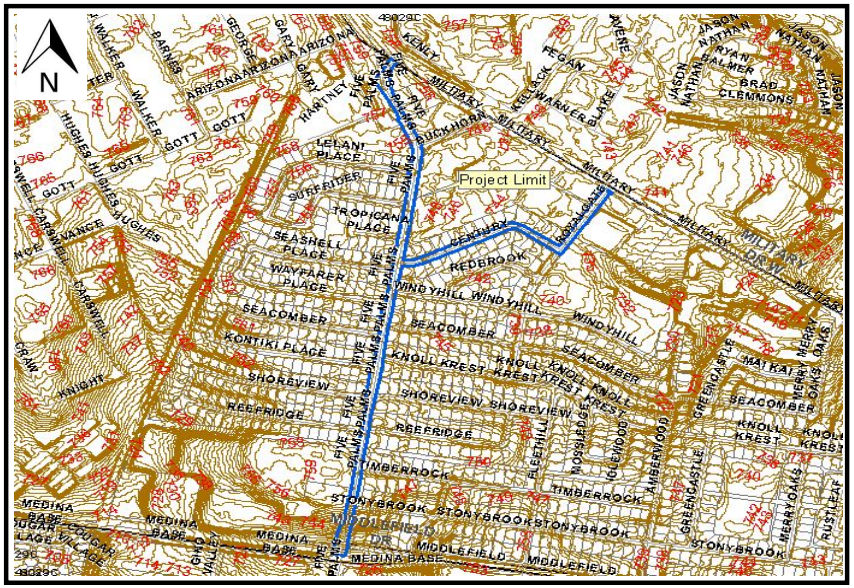
Project Name: Five Palms Dr. Area Drainage Improvement

Council District: 4

Project Limits: Medina Base Rd. to W. Military Drive

Watershed: Leon Creek

Future Project #: 2419.01



Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
		-
		-
		-
		-
Total Funding		$ -

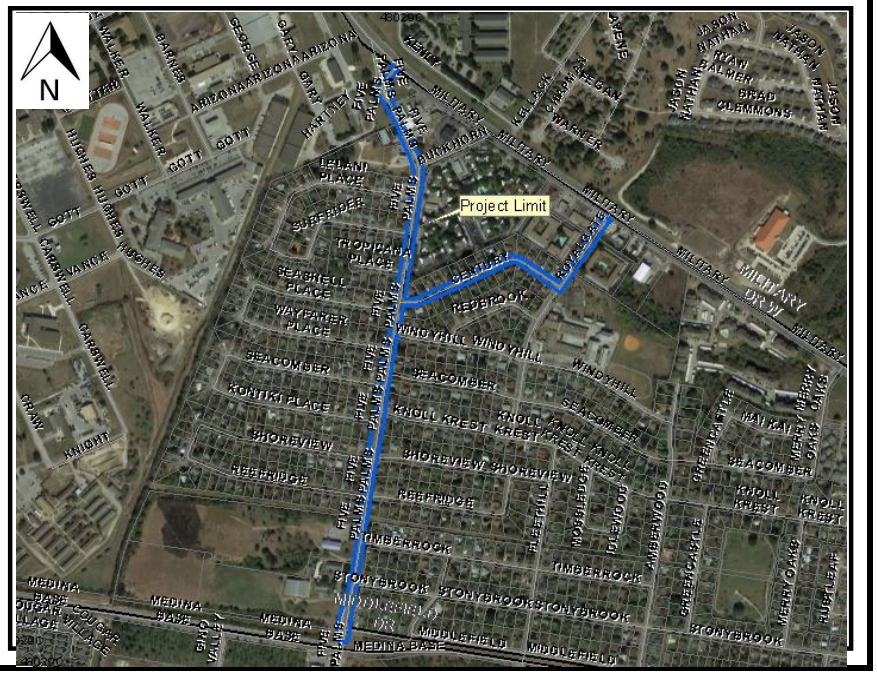
Cost Information

Category	Cost
Design *	$1,321,005
Real Estate	$0
Environmental	$114,450
Miscellaneous	$5,450
Construction	$11,121,476
Total Cost*	$12,570,000

*Rounded up to the nearest $10,000

Project Description

Area residents have expressed concerns about ponding on Five Palms Dr. and also unflooded access at the intersection of Seacomber and Amberwood Dr. Currently, Five Palms Drive is mostly not curbed with runoff directed onto several intersecting streets. The existing outfall at the intersection of Seacomber & Amberwood has an inadequate curb-cut which allows runoff to dam at the outfall channel entrance. The outfall channel itself has adequate capacity for the calculated 4% annual chance storm event with no freeboard. The proposed potential project will install storm drain system on Five Palms Dr. to include 10 foot curb inlets, 60" reinforced concrete pipe (RCP) trunkline, 24" RCP laterals and junction boxes. It is intended for the proposed trunkline to begin on Five Palms Dr., through Century Dr. then run parallel to the existing system on Royalgate Dr. to tie into the storm drain system on W. Military Dr. It is not known at this time if the existing system on W. Military Dr. has capacity to accommodate the runoff from the proposed storm drain system. If the storm drain system on W. Military Dr. does not have adequate capacity, a drainage project will be required to upgrade the system prior to construction of the proposed project. Five Palms Drive, Century Dr. and Royalgate Dr. will be reconstructed with curbs, sidewalks, and driveway approaches within the project limits.

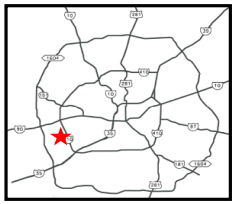


Project Type: Drainage

Type of Estimate: Planning

Project Status: Unfunded

Consultant: TBD



* Costs have not been updated with current unit costs and/or inflation from date of project creation

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

ATTACHMENT (6)
PROJECT SUMMARY SHEET

Updated: 1/8/2021

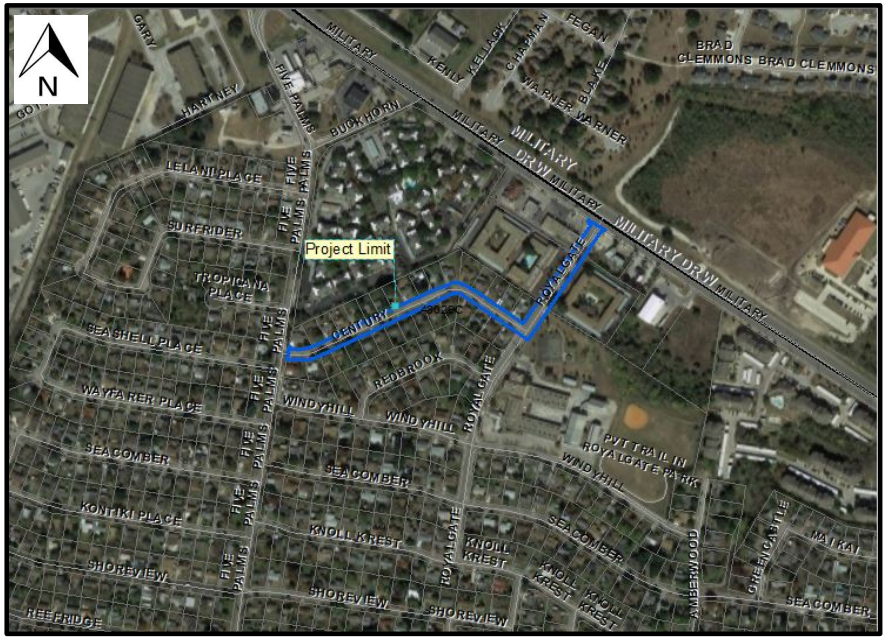
Project Name: Five Palms Dr. Area Drainage Improvements - Ph I

Council District: 4

Project Limits: Century Dr. - Five Palms Dr. to Royalgate Dr.
Royalgate Dr. - Century Dr. to W. Military Dr.

Watershed: Leon Creek

Future Project #: 2419.01 **2022 Bond #:** N/A



Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
		-
		-
		-
		-
Total Funding		$ -

Cost Information

Category		Cost
Design	$	901,461
Real Estate	$*	-
Environmental	$	167,789
Miscellaneous	$	30,362
Construction	$	6,166,878
Total Cost*		$7,270,000

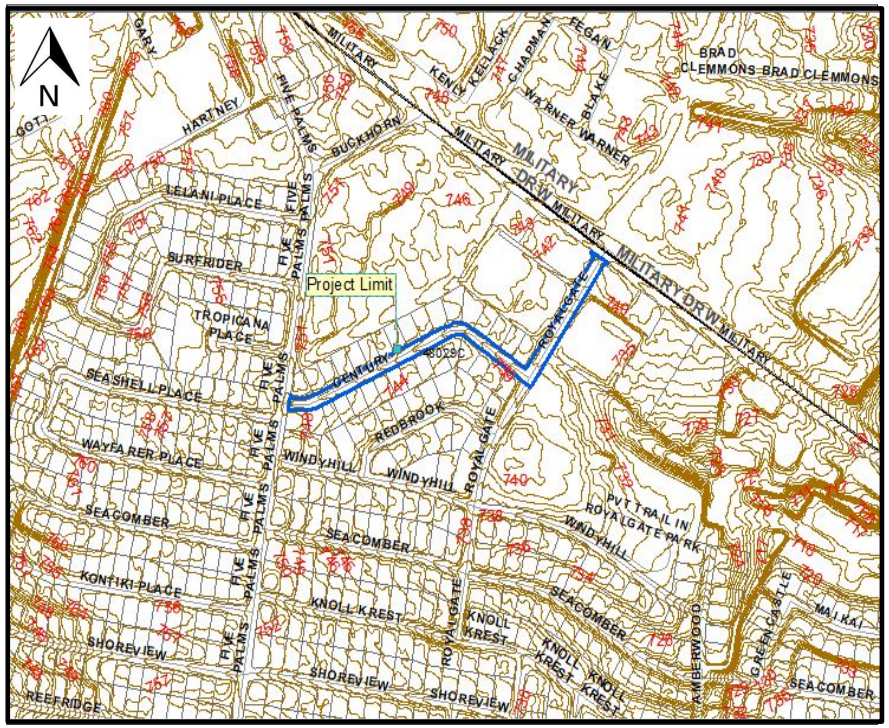
*Rounded up to the nearest $10,000

Project Description

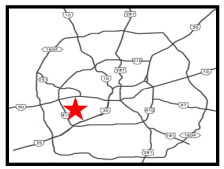
Area residents have expressed concerns about ponding on Five Palms Dr., property flooding on Century Dr., and unflooded access at the intersection of Seacomber and Amberwood Dr. Currently, Five Palms Drive is mostly not curbed with storm runoff directed onto several intersecting streets. Analysis indicates that the existing outfall at the intersection of Seacomber & Amberwood has an inadequate curb-cut section causing runoff to dam at the outfall channel entrance. However, the outfall channel itself has adequate capacity. This first phase of the overall proposed planning project will install a 60" reinforced concrete pipe (RCP) trunkline beginning near Century Dr. and Five Palms then to Royalgate where the proposed system will run parallel to the existing system on Royalgate Dr. and finally tie into the storm drain system on W. Military Dr. The proposed trunkline is sized to accommodate the 4% annual chance storm runoff from Five Palms Drive serving as the outfall system for proposed potential projects 2419.02 and 2419.03_Five Palms Dr. Phases 2 & 3, respectively. It is not known at this time if the existing system on W. Military Dr. has capacity to accommodate the runoff from the proposed storm drain system. If the storm drain system on W. Military Dr. does not have adequate capacity, a drainage project will be required to upgrade the system prior to construction of the proposed project. Century Dr. and Royalgate Dr. will be reconstructed with curbs, sidewalks, and driveway approaches within the project limits.

The proposed phases 2 & 3 will install a storm drain system on Five Palms Drive and will greatly reduce the runoff impact on several streets east of Five Palms and at the existing curb-cut section located at the Seacomber and Amberwood Dr. intersection. However, the existing curb-cut opening will still not be adequate to convey the reduced incoming flow. Due to site constraints, the curb-cut opening cannot be improved and a potential drainage project will be needed to mitigate the ponding issue at this intersection.

Potential drainage project 2760.01 Century Dr. Area Drainage Improvements was developed independently of the proposed Five Palms Phase 1 project. Elements of this project will be added to the proposed Five Palms Phase 1 project to mitigate reported property flooding on Century Dr.



Project Type: Drainage
Type of Estimate: Planning
Project Status: Unfunded
Consultant: TBD



* Costs have not been updated with current unit costs and/or inflation from date of project creation

ATTACHMENT (6)

Updated: 5/20/2016

PROJECT QUAD SHEET

Project Name: Frio City Road Outfall - Alt 2

Council District: 5

Project Limits: Area bounded by Frio City Rd, Amtrak, and IH35/IH 10

Watershed: Upper San Antonio River

Future Project #: 2455.01 **CIP#** 2834

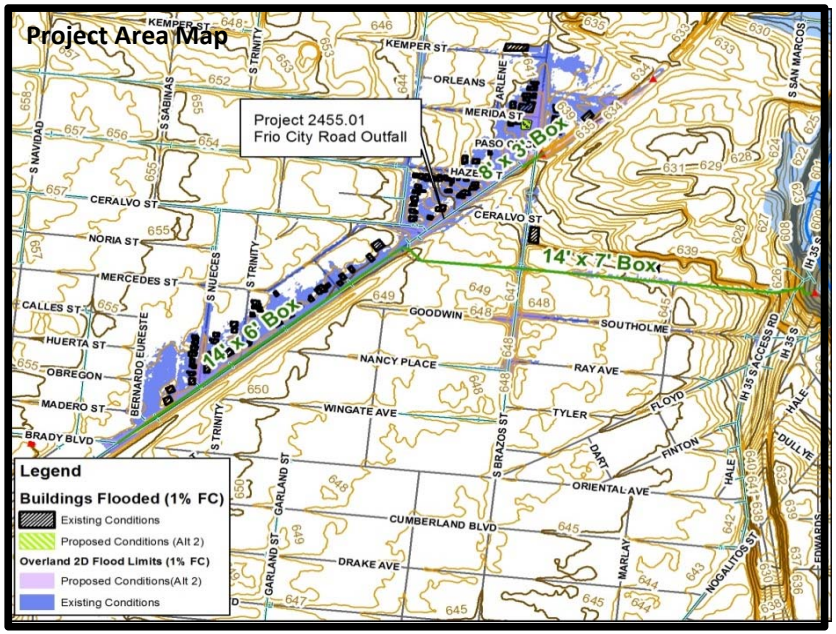
Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
Total Funding		$ -

Cost Information

Category		Cost
Engineering	* $	1,807,594
Construction	$	15,608,690
Other Construction	$	-
Environmental	$	34,779
Miscellaneous	$	82,078
Total Cost*	$	17,533,140

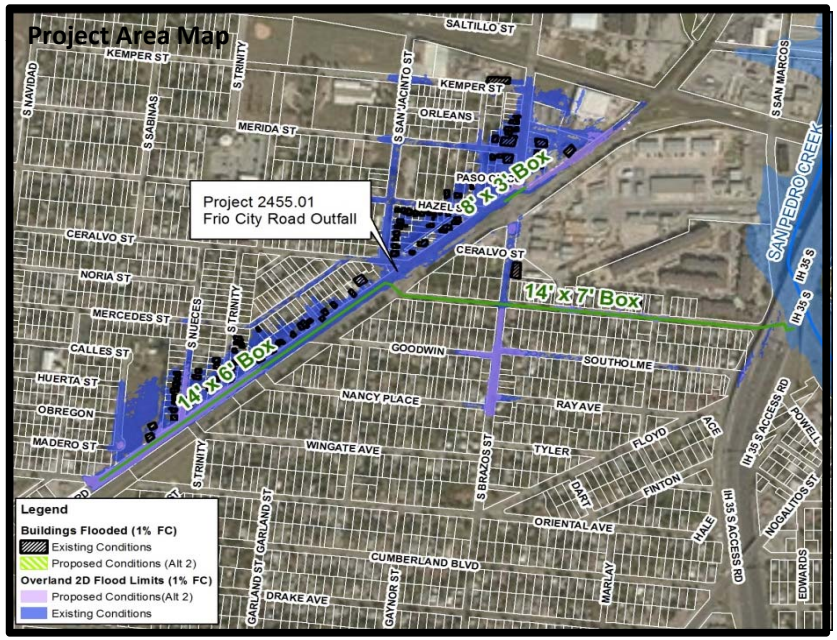
*Rounded to the nearest ten thousand



Approximate Construction Cost Distribution: Street 30.2%, Drainage 69.8%, Traffic 0%

Project Description

Due to the undersized system on Frio City and Pendleton there are numerous complaints about Frio City Street flooding. This project proposes to replace the existing 9'X5' with a 14'X6' on Frio City Rd and 10'X7' with a 14'X7' on Pendleton. Associated street reconstruction will include curbs, sidewalks, and driveway approaches on Frio City Road and Pendleton Ave. This project will remove 87 buildings from the 100 year floodplain. Outfall treatment for trash and floatables is possible.



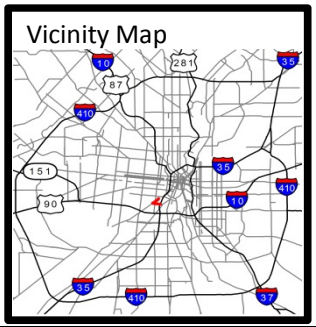
Project Type: Drainage

Type of Estimate: Level II

Project Status: Planning Detailed

Project Funding Status: Unfunded

Consultant: HDR



* Costs have not been updated with current unit costs and/or inflation from date of project creation

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

ATTACHMENT (6)
PROJECT SUMMARY SHEET

Updated: 3/15/2021

Project Name: Hills & Dales Subdivision Area Drainage Improvements

Council District: 8

Project Limits: Hills and Dales neighborhood from 1604 northward to Wild Eagle Road and from Red Robin Road

Watershed: Leon Creek

Future Project #: 2474.01 **2022 Bond #:** N/A

Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
		-
		-
		-
		-
Total Funding		$ -

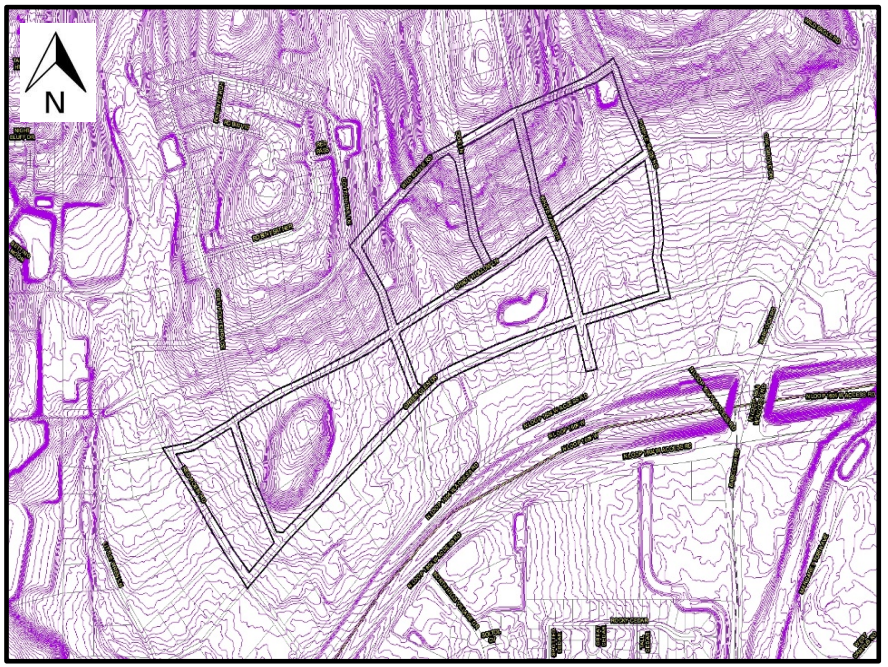
Cost Information

Category	Cost
Design	$4,429,667
Real Estate	$812,588
Environmental	$173,632
Miscellaneous	$33,073
Construction	$33,894,402
Total Cost*	$39,350,000

*Rounded up to the nearest $10,000

Project Description

Area residents have expressed concerns about localized drainage issues and other nuisance flooding due to the lack of an inadequate drainage system. A review of readily available division records indicated many concerns of property flooding and flooding of three habitable structures. The proposed project will divert flows throughout the neighborhood using bar-ditches and under street culverts. The project will also create a drainage easement and channel running southward from Wild Eagle Road between Cotton Tail Lane and Doe Lane emptying into an existing storm drain system west of White Fawn Dr. and Loop 1604. The project will also install a 48" RCP trunk line within the White Fawn Drive right-of-way (ROW) beginning at Shady Hollow Ln. running southward and emptying into an existing storm drain system at White Fawn Drive and Loop 1604. Street and property drainage will be captured with bar-ditches and diverted towards pipe inlets and the proposed earthen channel and RCP trunk line. The project will also consist of reconstructing the following neighborhood streets: Green Glen Drive, Shady Hollow Lane, Wild Eagle Road, Red Robin Road, Grey Fox Terrace, Cotton Tail Lane, Doe Lane, White Fawn Drive, and Purple Sage Road.

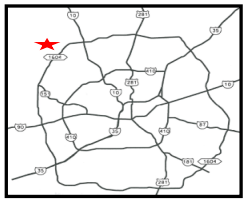


Project Type: Drainage

Type of Estimate: Planning

Project Status: Unfunded

Consultant: TBD



* Costs have not been updated with current unit costs and/or inflation from date of project creation

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

ATTACHMENT (6)

PROJECT SUMMARY SHEET

Updated: 4/13/2020

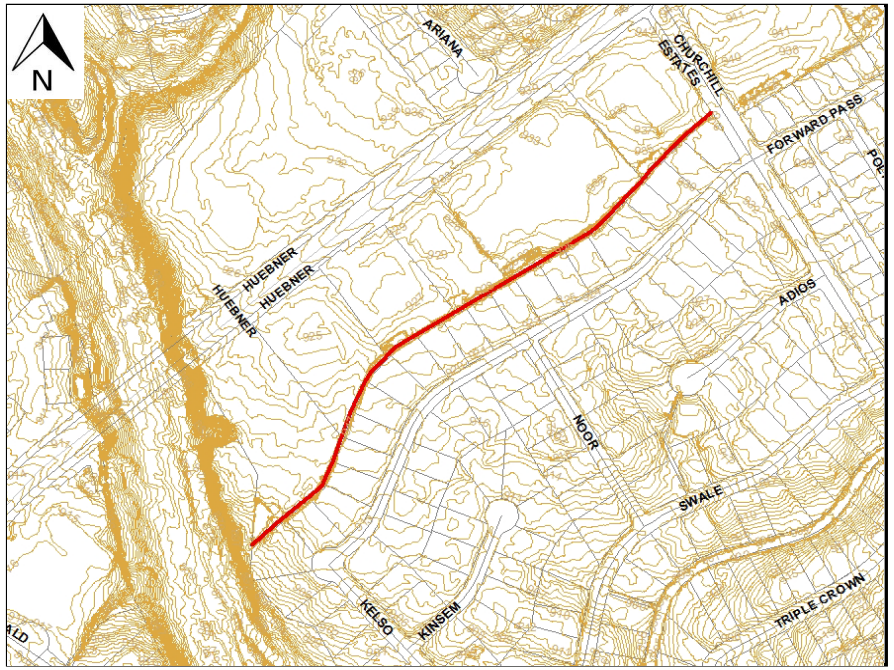
Project Name: Churchill Estates Channel Improvement

Council District: 9

Project Limits: Churchill Estates Blvd to Salado Creek

Watershed: Salado

Future Project #: 2489.01 **2017 Bond #:** xx



Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
		-
		-
		-
		-
Total Funding		$ -

Cost Information

Category *	Cost
Design	$167,131
Real Estate	$1,201,231
Environmental	$152,235
Miscellaneous	$27,159
Construction	$1,131,831
Total Cost*	$2,680,000

*Rounded up to the nearest thousand

Project Description

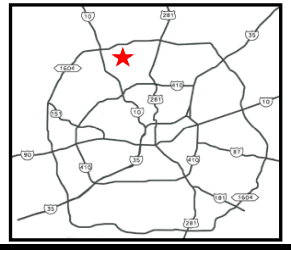
Project comprises of upgrading the capacity of an existing earthen channel to a concrete lined channel. Channel outfalls into Salado Creek. Proposed project will require ROW purchasing.

Project Type: Drainage

Type of Estimate: Planning

Project Status: Unfunded

Consultant: TBD



* Costs have not been updated with current unit costs and/or inflation from date of project creation

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

ATTACHMENT (6)
PROJECT SUMMARY SHEET

Updated: 2/10/2021

Project Name: Dreamland Rd. Street Reconstruction

Council District: 9

Project Limits: Dreamland Rd. from Westby Ln to Railroad Tracks

Watershed: San Antonio River

Future Project #: 2522 **2027 Bond #:** 2880

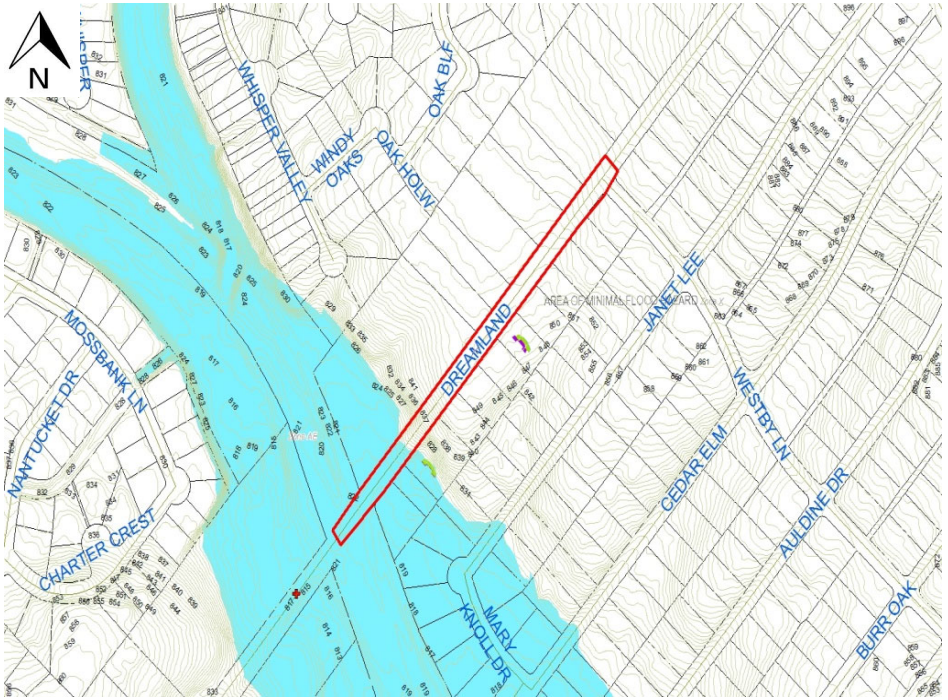
Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
		-
		-
		-
		-
Total Funding		$ -

Cost Information

Category *	Cost
Design	$416,071
Real Estate	$561,374
Environmental	$7,990
Miscellaneous	$210,136
Construction	$3,097,387
Total Cost*	$4,300,000

*Rounded up to the nearest 10,000



Project Description

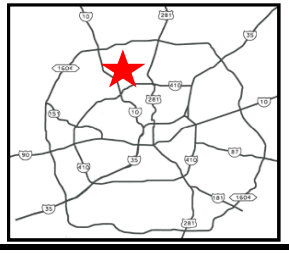
The capacity of Dreamland Rd. has been reduced due to lack of curbs and multiple overlays. The drainage flow from Dreamland Rd. is flooding adjacent residential properties on the eastside and causing erosion on the front yard and along the sidewalk. The proposed project will reconstruct Dreamland to provide the necessary slope and street capacity to convey the 25 year storm event. The proposed street reconstruction project includes curbs, sidewalks and driveway approaches. THIS PROJECT WILL NOT FIX THE LOW WATER CROSSING #42.

Project Type: Drainage

Type of Estimate: Planning

Project Status: Unfunded

Consultant: TBD



* Costs have not been updated with current unit costs and/or inflation from date of project creation

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

ATTACHMENT (6)

PROJECT SUMMARY SHEET

Updated: 4/10/2020

Project Name: Judson and Lookout LWC Improvement

Council District: 10

Project Limits: Lookout and Judson intersection

Watershed: Salado

Future Project #: 2527.01 **2017 Bond #:** 2906

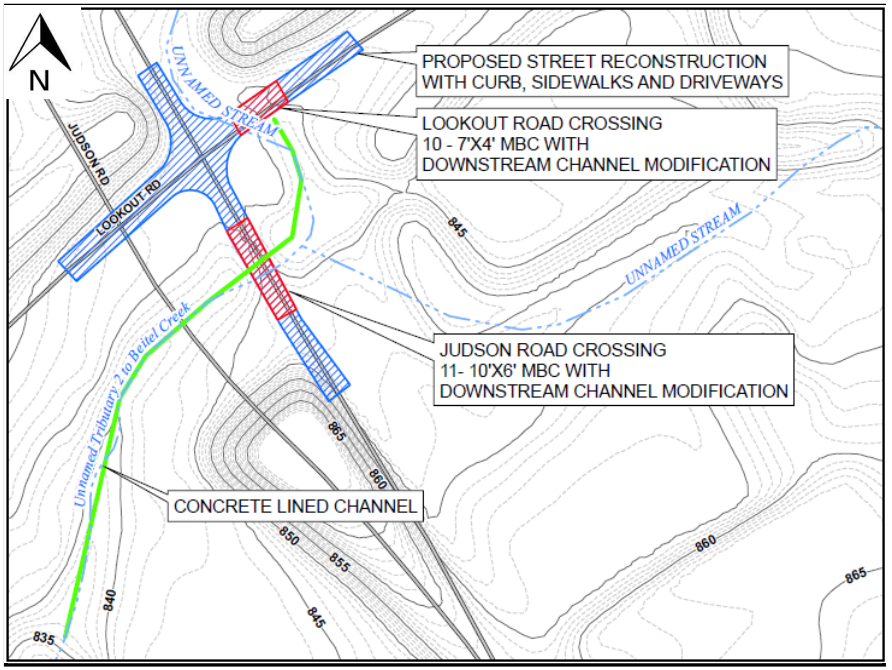
Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
		-
		-
		-
		-
Total Funding		$ -

Cost Information

Category	*	Cost
Design		$497,112
Real Estate		$301,552
Environmental		$6,956
Miscellaneous		$213,541
Construction		$3,917,913
Total Cost*		$4,940,000

*Rounded up to the nearest 10 thousand



Project Description

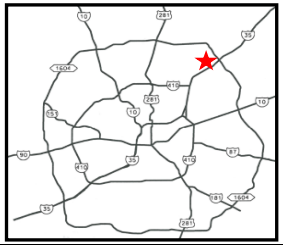
The channel and culvert crossings at Lookout RD (LWC#24) and Judson Rd (LWC#24.1) are undersized and contributing to the flooding of the intersection. The street flooding is causing businesses to be land locked off of Lookout Rd (no structures are in the floodplain). The proposed solution is to upgrade the low water crossings and the connecting/downstream channel. The proposed solution also calls for the section of channel between the low water crossings and the area downstream of Judson Rd to be upgraded to a concrete lined channel. These improvements will contain the 100 year storm event and provide unflooded access. A solution including a natrual channel was considered but considered not feasible due to the large volume of flow and the existing alignment of the channel.

Project Type: Drainage

Type of Estimate: Planning

Project Status: Unfunded

Consultant: TBD



* Costs have not been updated with current unit costs and/or inflation from date of project creation

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

ATTACHMENT (6)

PROJECT SUMMARY SHEET

Updated: 2/25/2019

Project Name: Warpath Area Drainage Improvement

Council District: 7

Project Limits: Warpath - Ingram to 125' NE of Dovehill, War Bow - Flintrock to 160' North of Dovehill, Flintrock - Warpath to 160' East of War Bow, Peace Pipe - Warpath to 160' East of War Bow, Dove Hill - Warpath to 110' East of War Bow

Watershed: Leon Creek

Future Project #: 2561.01

Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
		-
		-
		-
		-
Total Funding		$ -

Cost Information

Category	Cost*
Design	$551,595
Real Estate	$0
Environmental	$49,050
Miscellaneous	$28,885
Construction	$4,493,723
Total Cost*	$5,200,000

*Rounded up to the nearest $100,000

Project Description

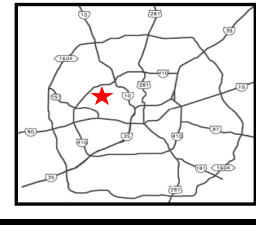
Area residents have expressed concerns about localized drainage issues and other nuisance flooding in the area. They have also expressed concerns about structures being flooded on several streets within the project limits.
This proposed drainage project comprises the construction of a storm sewer system consisting of curb inlets, reinforced concrete pipe (RCP) ranging from 24” to 48” , and necessary ancillary structures to collect and convey storm water runoff from the area streets and outfalling to an existing channel west of Warpath. The proposed project includes street reconstruction that includes curbs and driveways and sidewalks as needed.

Project Type: Drainage

Type of Estimate: Planning

Project Status: Unfunded

Consultant: TBD



* Costs have not been updated with current unit costs and/or inflation from date of project creation

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

ATTACHMENT (6)
PROJECT SUMMARY SHEET

Updated: 3/12/2021

Project Name: Acapulco and Cesar Chavez

Council District: 6

Project Limits: W Cesar Chavez Blvd from SW 36th St to Enique M Barrer

Watershed: San Antonio River

Potential Project #: 2570 **2017 Bond #:** xx

Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
		-
		-
		-
		-
Total Funding		$ -

Cost Information

Category *	Cost
Design	$281,356
Real Estate	$0
Environmental	$150,091
Miscellaneous	$118,643
Construction	$2,942,684
Total Cost*	$3,493,000

*Rounded up to the nearest thousand

Project Description

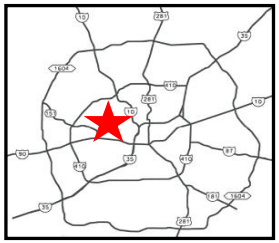
Citizens in the area are concerned with ponding water at the Cesar Chavez and Acapulco intersection. The storm water is ponding due to flat slopes in the streets. The proposed project will fully reconstruct Cesar Chavez from 36th street to Old HWY 90, and construct 100 ft. of inlets and 935 ft. of 36" storm drain that will connect to an existing system under 36th street. The project includes a multi-use path on the south side of the street to connect the pedestrian route from 36th street with Old Highway 90. The project is a good candidate for LID given the small watersheds, full street reconstruction and adequate ROW. The project has good potential for installation of bioretention or road side bioswales to reduce the storm drain size and improve aesthetics. The existing ROW is being used for parking by local residents but the city may be able to retain parking in ROW.

Project Type: Drainage

Type of Estimate: Planning

Project Status: Unfunded

Consultant: TBD



* Costs have not been updated with current unit costs and/or inflation from date of project creation

ATTACHMENT (6)

Project Summary Sheet

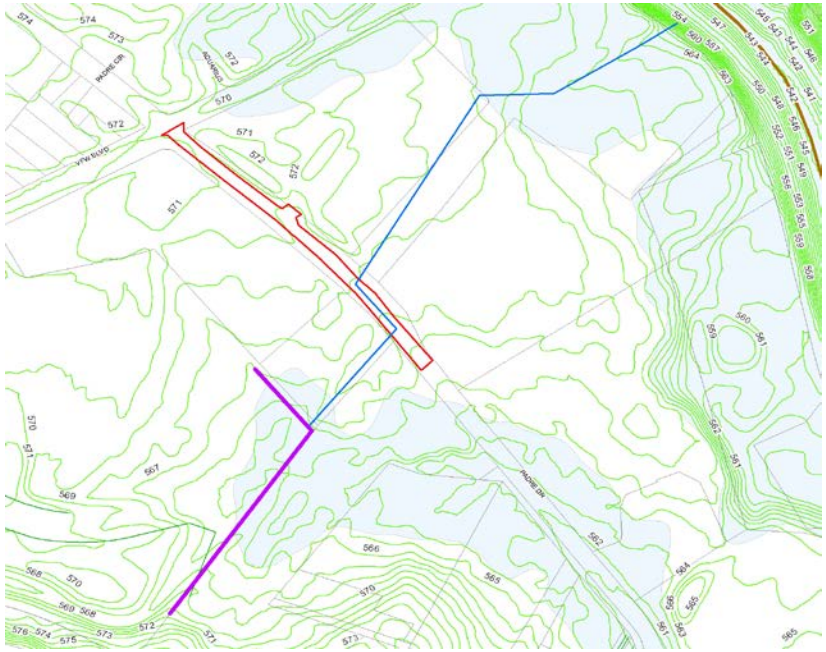
Project Name: Padre Dr. Drainage Improvememnt Ph. I

Council District: 3

Project Limits: Mission Library to San Antonio River

Watershed: San Antonio

Future Project # 2577.01



Funding Information

Fund	Year	Amount
To Be Determined (**TBD**)		-
		-
		-
		-
		-
Total Funding		$ -

Cost Information

Category	Cost
Design	$235,512
Real Estate *	$24,100
Environmental	$50,000
Miscellaneous	$329,717
Construction	$1,570,083
Total Cost*	$2,210,000

* = Rounded up to the nearest 1,000$

Project Description

In the south central portion of San Antonio, Mission Library property drains to private property that eventually flows down a low running adjacent to Padre Dr. Drainage issue have been reported downstream due to the undersized low and the lack of drainage infrastructure. The proposed project will contain the storm water within the Mission Library property and redirect it to the San Antonio River. Mission library would need berms placed along the east portion of the property, where it currently drains. The proposed (2) 6'x4' MBC will redirect the storm water northeast across Padre Dr and through the Bexar County Park property. The MBC will eventually outfall at the San Antonio River. This phase is required so that it reduces the amount of storm water downstream along Padre Dr.

Project Type: Drainage

Type of Estimate Pre-Scoping City

Project Status -----

Consultant **TBD**

* Costs have not been updated with current unit costs and/or inflation from date of project creation

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

ATTACHMENT (6)
PROJECT SUMMARY SHEET

Updated: 5/5/2021

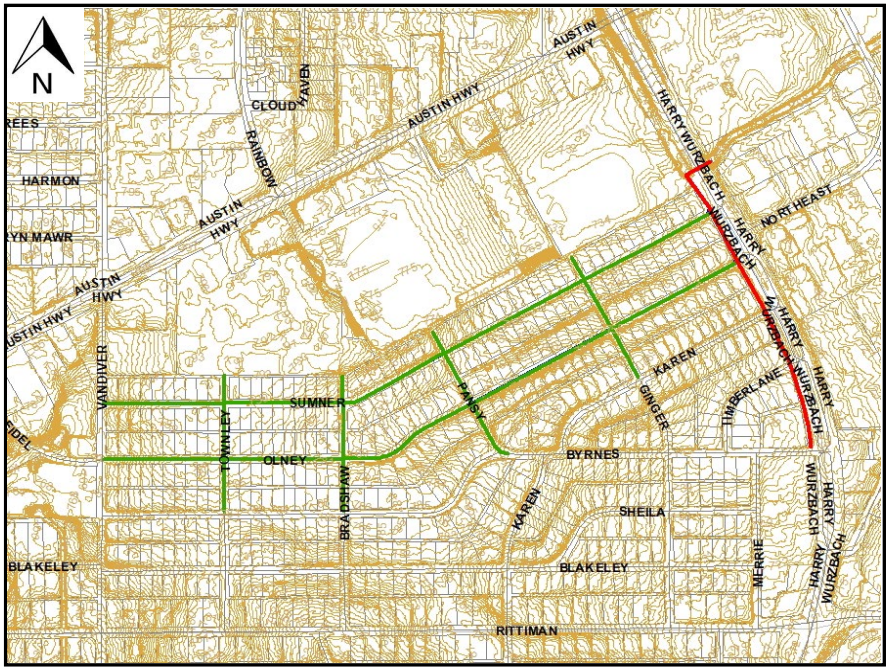
Project Name: Sumner Area Drainage Improvements Phase 1

Council District: 2

Project Limits: Sumner & Olney Area

Watershed: Salado

Future Project #: 2638.02



Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
		-
		-
		-
		-
Total Funding		$ -

Cost Information

Category	*	Cost
Design		$228,236
Real Estate		$0
Environmental		$119,280
Miscellaneous		$0
Construction		$1,602,927
Total Cost*		$1,960,000

*Rounded up to the nearest ten thousand

Project Description

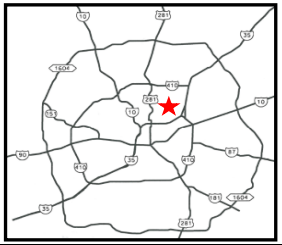
The main drainage issues of concern were standing water on residential streets and flooding in the alley located between Olney and Sumner Drives. Staff observed that there was no positive drainage on portions of Sumner, Ginger, and Olney, and rutting of several streets was observed at several locations in the neighborhood. In April, 2018, Pansy Ln was reconstructed as part of the IMP. The street section at the alley was concreted. Due to this improvement, residents felt runoff flows were increasing. Excessive gravel was also being washed from the alley onto Ginger Ln. This project will construct an outfall system consisting of an earthen channel along Harry Wurzbach, including culverts at cross-streets, and the addition of a box to the existing culvert system under the Lowe's driveway and under Harry Wurzbach.

Project Type: Drainage

Type of Estimate: Planning

Project Status: Unfunded

Consultant: TBD



* Costs have not been updated with current unit costs and/or inflation from date of project creation

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

ATTACHMENT (6)
PROJECT SUMMARY SHEET

Updated: 5/12/2016

Project Name: Wilcox Ave Street & Drainage Improvements

Council District: 5

Project Limits: Wilcox from Quintana Rd to the Dead End at Dwight MS and other side streets (see delineated area)

Watershed: Leon Creek / San Antonio River

Future Project #: 2650.01

Funding Information

Fund	Year	Amount
To Be Determined (TBD)		
		-
		-
		-
		-
Total Funding Needed		

Cost Information

Category	Cost
Design	$1,030,655
Real Estate	$1,847,312
Environmental	$6,956
Miscellaneous	$5,565
Construction	$8,645,801
Total Cost*	$11,537,000

*Rounded up to the nearest thousand

Project Description

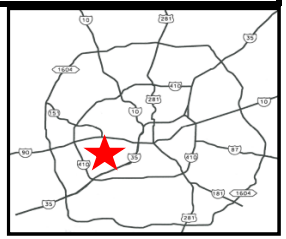
The proposed project comprises of a combination of street reconstruction and an underground drainage system to alleviate flooding / ponding issues associated with the current lack of adequate curbs and drainage infrastructure. Street reconstruction will be for Wilcox and side streets of Crittendon, Creighton & Pierian (The highlighted sections of said streets). The street reconstruction will include curbs, sidewalks and driveways. The proposed drainage system (inlets, RCPs and junction boxes) will be mainly located in Wilcox and Quintana Rd. ROW acquisition will be required for this project, current ROW will need to be expanded by 10 ft on all streets being reconstructed.

Project Type: Drainage

Type of Estimate: Scoping - City

Project Status: Unfunded

Consultant: TBD



* Costs have not been updated with current unit costs and/or inflation from date of project creation

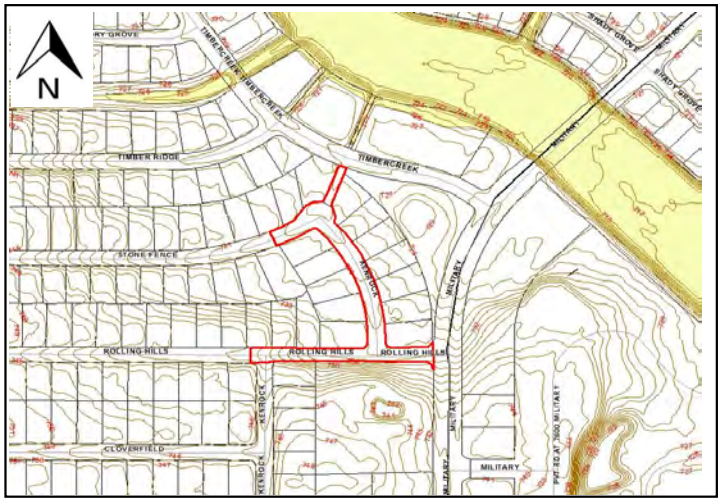
ATTACHMENT (6)

Project Summary Sheet - Level I Estimate

Project No. 2652.01

Kenrock Area Drainage Improvement (Rolling Hills Lane from Starhaven Place to Military Drive and Kenrock Drive from Rolling Hills Lane to Stone Fence Road.)

Council Districts: 6



Funding Information

Fund	Year	Amount
to be determined		-
		-
		-
		-
		-
Total Funding		$ -

Cost Information

Category	Cost
Design	$566,776
Real Estate	$53,453
Environmental*	$167,789
Miscellaneous	$30,362
Construction	$4,448,584
Total Cost	$5,270,000

*Rounded up to the nearest $10,000

Project Description

Area residents have expressed concerns of local drainage issues on and along Rolling Hills Lane and Kenrock Drive. The proposed drainage project comprises the construction of an underground storm system consisting of 10' curb inlets, 36" reinforced concrete pipe (RCP) trunk line, and other ancillary drainage structures as needed to collect and convey storm water runoff from Rolling Hills Ln. to Slick Ranch Creek . Rolling Hills Ln., Kenrock Dr., and a portion of Stone Fence Rd. will be reconstructed and lowered to accommodate new 7" curbs and approximately 200 LF of W. Military Drive will also be reconstructed. All affected driveway approaches and curbs will be reconstructed. However, sidewalks within the project limits will not be reconstructed. The concrete flume located at the intersection of Kenrock and Stone Fence will be reconstructed to accommodate the lowering of the streets.

Project Type: Drainage
Estimating Consultant: SWE
Estimate Date: 10/10/16

* Costs have not been updated with current unit costs and/or inflation from date of project creation

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

ATTACHMENT (6)
PROJECT SUMMARY SHEET

Updated: 10/17/2017

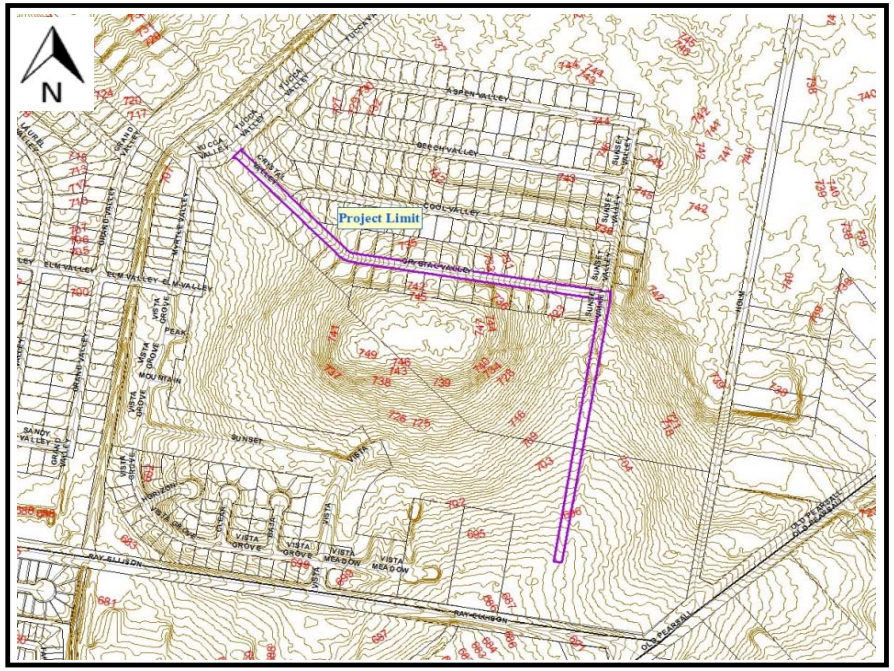
Project Name: Crystal Valley Drive Area Drainage Improvement

Council District: 4

Project Limits: Crystal Valley from Yucca Valley to Sunset Valley and drainage right-of-way south of Crystal Valley/Sunset Valley intersection.

Watershed: Leon Creek

Future Project #: 2691.01



Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
		-
		-
		-
		-
Total Funding		$ -

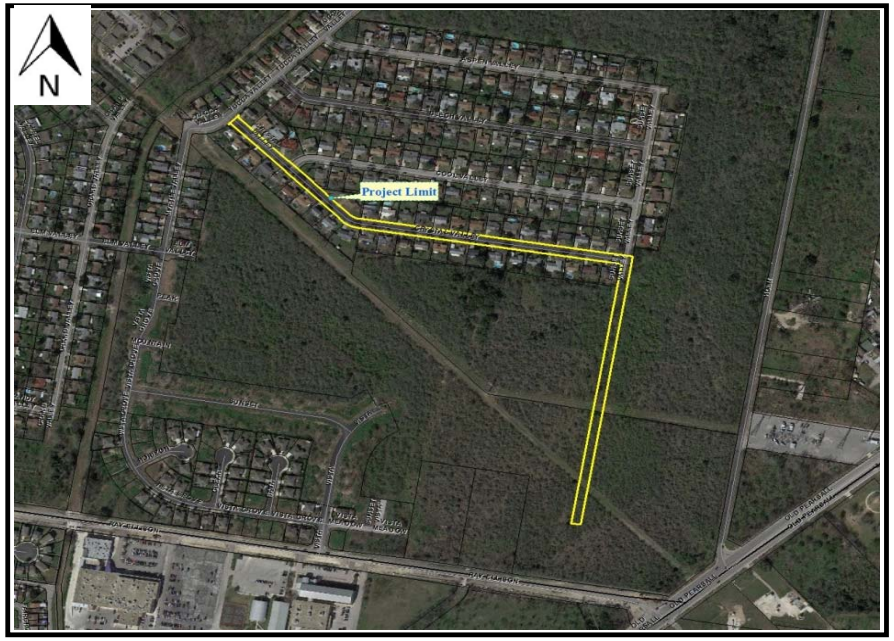
Cost Information

Category	* Cost
Design	$431,407
Real Estate	$105,181
Environmental	$114,450
Miscellaneous	$20,710
Construction	$3,403,598
Total Cost*	$4,080,000

*Rounded up to the nearest $10,000

Project Description

The proposed project comprises the construction of an underground drainage system consisting of curb inlets, junction boxes, headwalls, wingwalls, and reinforced concrete pipe (RCP). The proposed drainage system will capture discharge originally on Crystal Valley Dr. from the high point to Yucca Valley and outfall it to the natural low south of the Crystal Valley/Sunset Valley intersection. Discharge on Crystal Valley Dr. from the high point to Sunset Valley including the discharge on Sunset Valley will be conveyed via the street to the natural low as well. Modification will be made to extend the channel bottom width to allow for complete containment of street flow coming to it . All of Crystal Valley Drive and a portion of Sunset Valley will be reconstructed within the project limits and will include curbs, sidewalks and driveway approaches as needed. Residential mail boxes will require removal and relocation. Right-of-way acquisition will be required to accommodate the proposed storm system outfall.

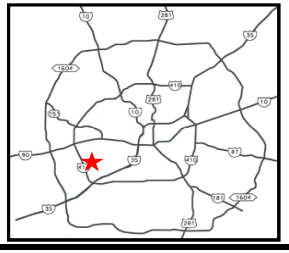


Project Type: Drainage

Type of Estimate: Planning

Project Status: Unfunded

Consultant: TBD



* Costs have not been updated with current unit costs and/or inflation from date of project creation

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

ATTACHMENT (6)
PROJECT SUMMARY SHEET

Updated: 11/3/2021

Project Name: Perennial Area Drainage

Council District: 9

Project Limits: Heimer to Dutch Myrtle

Watershed: Salado

Future Project #: 2701.01 **2022 Bond #:** xx

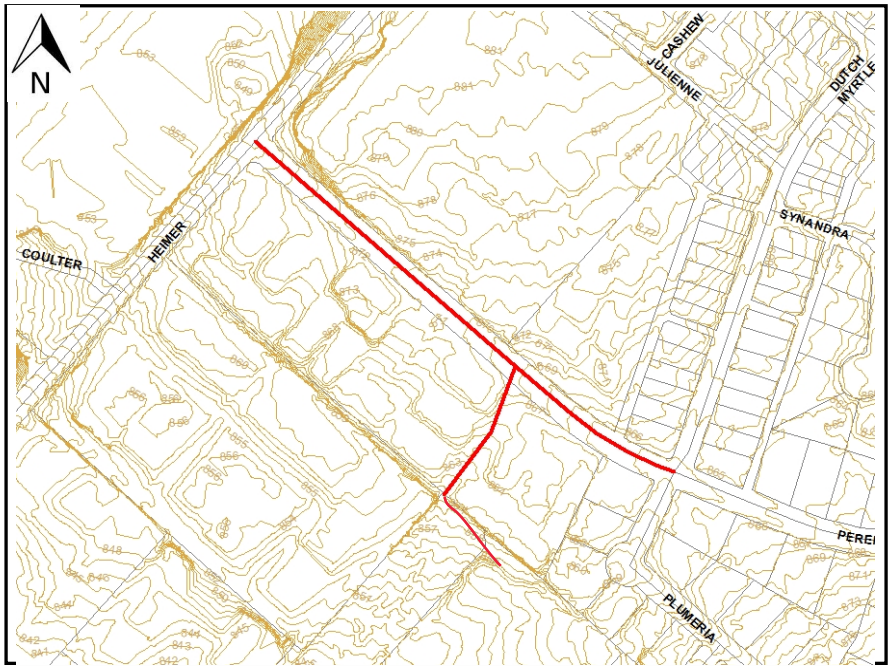
Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
		-
		-
		-
Total Funding		$ -

Cost Information

Category	*	Cost
Design		$800,000
Real Estate		$175,000
Environmental		$100,000
Construction		$4,400,000
Total Cost*		$5,480,000

*Rounded up to the nearest ten thousand



Project Description

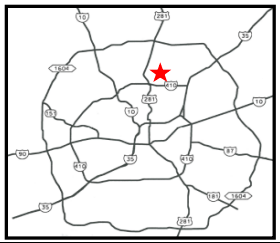
Residents on Plumeria have seen increased stormwater runoff from Dutch Myrtle. This project will collect the additional flow from Coker Elementary and divert it into an underground system, restoring the flow on Dutch Myrtle to pre-improvement amounts.

Project Type: Drainage

Type of Estimate: Planning

Project Status: Unfunded

Consultant: TBD



* Costs have not been updated with current unit costs and/or inflation from date of project creation

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

ATTACHMENT (6)
PROJECT SUMMARY SHEET

Updated: 2/7/2018

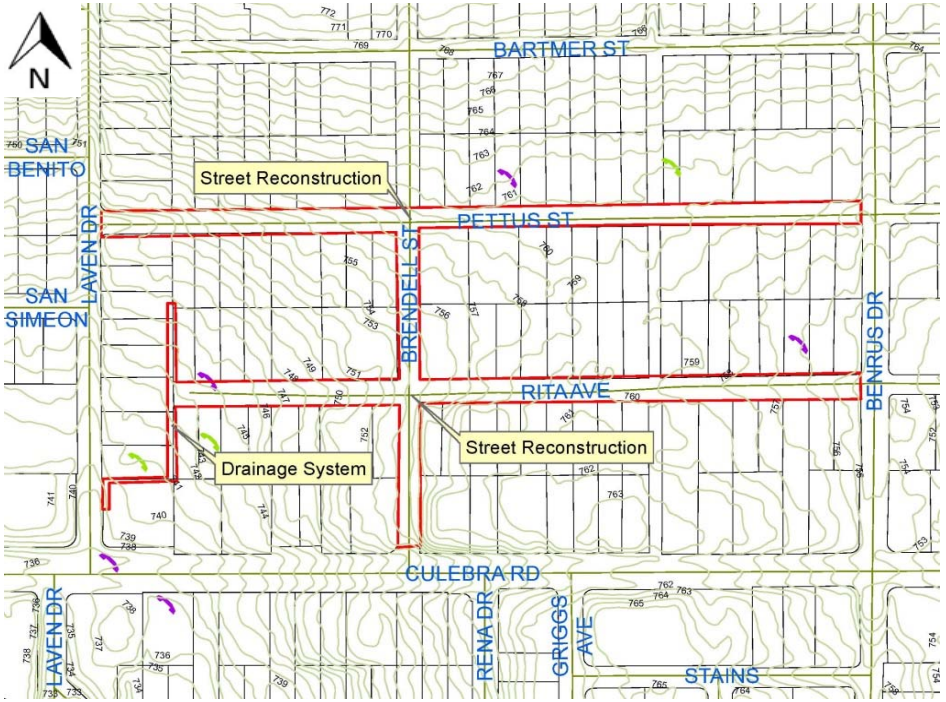
Project Name: Laven Dr Area Drainage Improvements

Council District: 7

Project Limits: Pettus St from Laven Dr to Benrus Dr; Rita Ave from Benrus to Dead End; Brendell St from Culebra Rd to Pettus St

Watershed: San Antonio River

Potential Project #: 2708.01



Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
		-
		-
		-
		-
Total Funding		$ -

Cost Information

Category *	Cost
Design	$386,289
Real Estate	$0
Environmental	$114,450
Miscellaneous	$231,625
Construction	$3,045,469
Total Cost*	$3,778,000

*Rounded up to the nearest thousand

Project Description

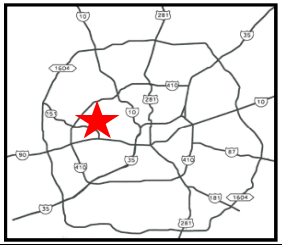
Property flooding have been reported for some residents in the 1300 block of Laven, the 5000 block of Rita Ave and 5000 block of Pettus St; due to streets in the area having no curbs. The proposed project will consist of street reconstruction (including curbs, sidewalks & driveways) and installing a concrete channel and 4way inlet in the rear of the lots on the 1300 block of Laven that will outfall to an existing storm sewer system on Laven. This will help alleviate the flooding issue and increase stormwater capacity in the area. This project is not contingent upon any other future potential drainage project.

Project Type: Drainage

Type of Estimate: Planning

Project Status: Unfunded

Consultant: TBD



* Costs have not been updated with current unit costs and/or inflation from date of project creation

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

ATTACHMENT (6)

PROJECT SUMMARY SHEET

Updated: 2/18/2021

Project Name: Wyoming Area Drainage Improvements Ph II

Council District: 2

Project Limits: S Walters to S. Grimes

Watershed: Salado

Future Project #: 2739.03

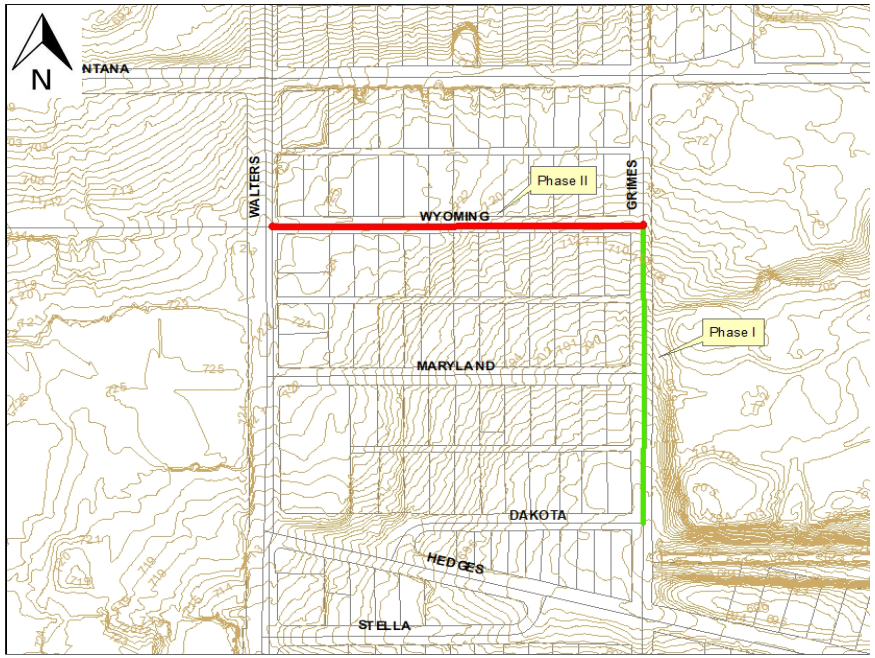
Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
		-
		-
		-
		-
Total Funding		$ -

Cost Information

Category	* Cost
Design	$99,681
Real Estate	$0
Environmental	$52,080
Miscellaneous	$71,680
Construction	$558,942
Total Cost*	$783,000

*Rounded up to the nearest thousand



Project Description

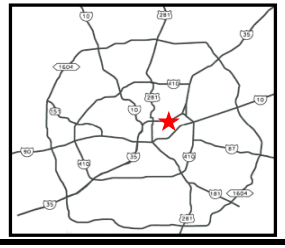
COSA has received several complaints along Wyoming. There are no curbs or swales along Wyoming to channel the flow. This project will reconstruct Wyoming, adding curb and adjusting the profile to contain the flow within the street. This project will address the property flooding along Wyoming.

Project Type: Drainage

Type of Estimate: Planning

Project Status: Unfunded

Consultant: TBD



* Costs have not been updated with current unit costs and/or inflation from date of project creation

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

ATTACHMENT (6)

PROJECT SUMMARY SHEET

Updated: 7/21/2021

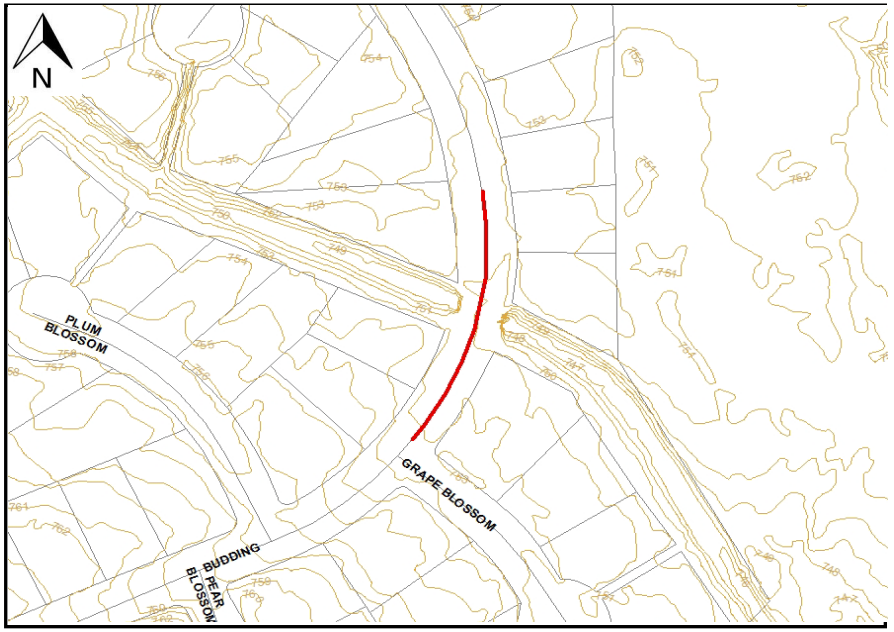
Project Name: Budding Culvert Replacement

Council District: 9

Project Limits: Grape Blossom to 300' northwest of Grape Blossom

Watershed: Salado

Future Project #: 2757.01 **2022 Bond #:** xx



Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
		-
		-
		-
Total Funding		$ -

Cost Information

Category	*	Cost
Design		$523,207
Real Estate		$0
Environmental		$42,883
Construction		$1,077,126
Total Cost*		$1,650,000

*Rounded up to the nearest ten thousand

Project Description

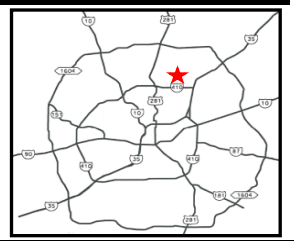
The culvert on Budding has been a continual concern of the Blossom Park Neighborhood as the culvert does not contain the 25-year flow. The culvert is also slightly skewed to the channel which has caused erosion to the northern bank. This project will increase the size of the culvert, slightly raise the road and realign the angle of the culvert with the channel to prevent future erosion. This project will improve the culvert and prevent flooding of the roadway and erosion of the bank.

Project Type: Drainage

Type of Estimate: Planning

Project Status: Unfunded

Consultant: TBD



* Costs have not been updated with current unit costs and/or inflation from date of project creation

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

ATTACHMENT (6)
PROJECT SUMMARY SHEET

Updated: 5/21/2021

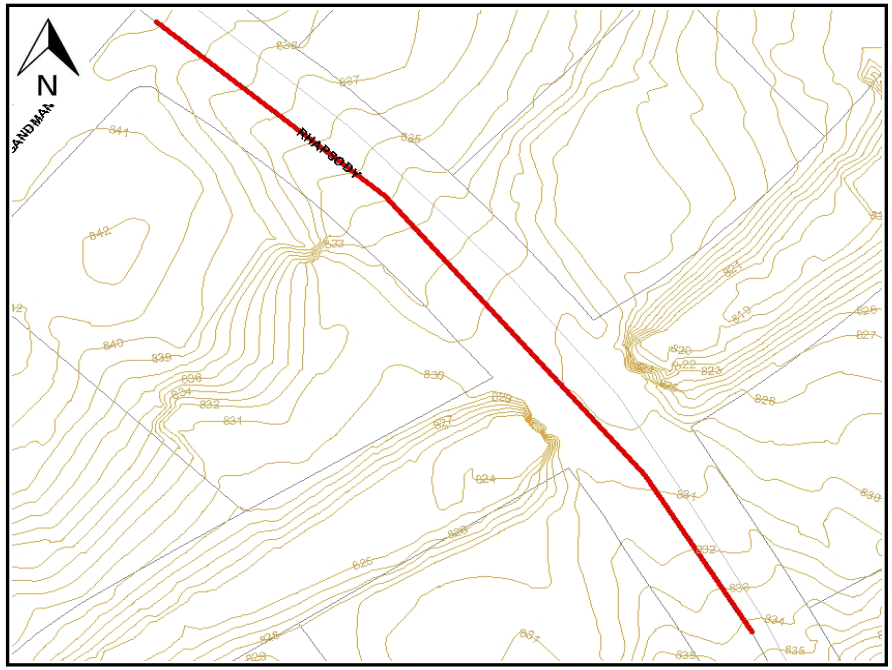
Project Name: N. Rhapsody Drainage Improvement

Council District: 9

Project Limits: Sandman to 500' west of Sandman

Watershed: Salado

Future Project #: 2765.01



Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
		-
		-
		-
		-
Total Funding		$ -

Cost Information

Category	*	Cost
Design		$252,260
Real Estate		$0
Environmental		$29,680
Miscellaneous		$0
Construction		$1,783,371
Total Cost*		$2,070,000

*Rounded up to the nearest ten thousand

Project Description

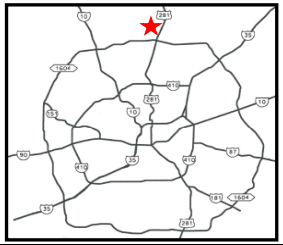
The curb inlet at the channel between 415 and 503 W. Rhapsody does not capture all of the flow which comes to it, resulting in deep ponding. As this location is on a curve and the roadway in each direction is fairly steep, this creates a hazard, especially at night and during low visibility conditions. This project will add two inlets to capture some of the flow before it reaches the sag inlet.

Project Type: Drainage

Type of Estimate: Planning

Project Status: Unfunded

Consultant: TBD



* Costs have not been updated with current unit costs and/or inflation from date of project creation

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

ATTACHMENT (6)

PROJECT SUMMARY SHEET

Updated: 11/12/2021

Project Name: Blanton Drive Drainage Improvements

Council District: 10

Project Limits: Blanton Drive to Woodridge Drive

Watershed: Salado

Future Project #: 2770.01 **2022 Bond #:** xx

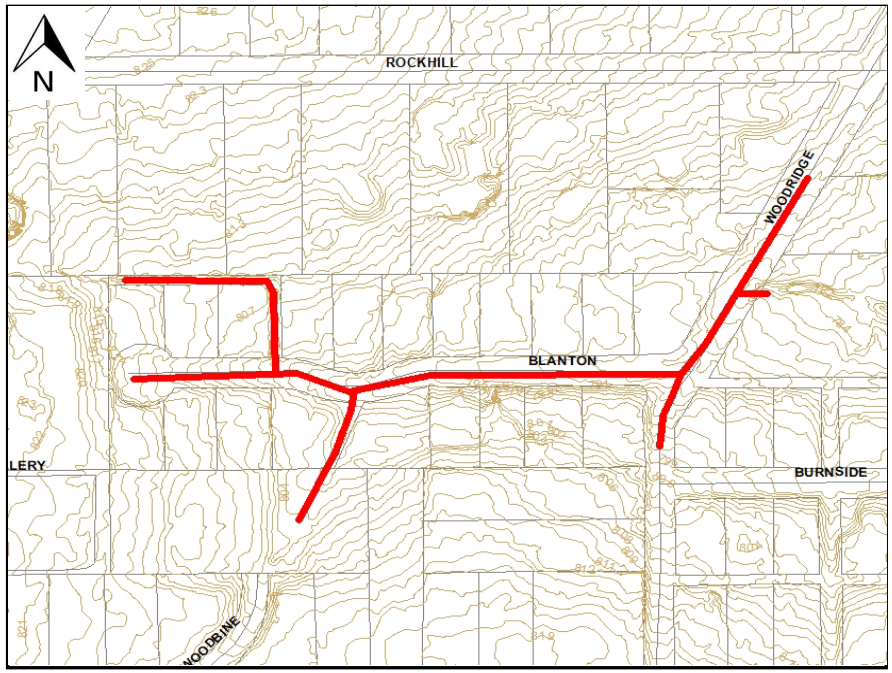
Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
		-
		-
		-
Total Funding		$ -

Cost Information

Category *	Cost
Design	$823,378
Real Estate	$0
Environmental	$153,026
Construction	$5,065,567
Total Cost*	$6,050,000

*Rounded up to the nearest ten thousand



Project Description

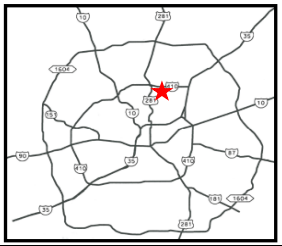
Blanton Dr. receives runoff from approximately 60 acres, which flows to an existing elevated sidewalk structure on Woodridge Dr. Runoff is discharged onto Blanton Dr. at two separate outfall locations: North Outfall adjacent to 2311 Blanton Drive and South Outfall adjacent to 2322 Blanton Dr. 25-year existing peak flow along Blanton and toward Woodridge overwhelms the roadway capacity before reaching the elevated sidewalk structure. The inundation over existing curbs causes unsafe conditions to pedestrians and vehicles. 2343 Blanton Drive has reported structure flooding in past storm events. This project proposes storm sewer inlets and a trunkline to capture runoff at both existing outfall locations and along Blanton Dr, as well as street reconstruction. The storm sewer will outfall into the existing channel just east of Woodridge Dr. Remaining surface flows will drain to a reconstructed elevated sidewalk structure. Proposed 25-year footprint is almost entirely contained within the ROW, improving the current flooding

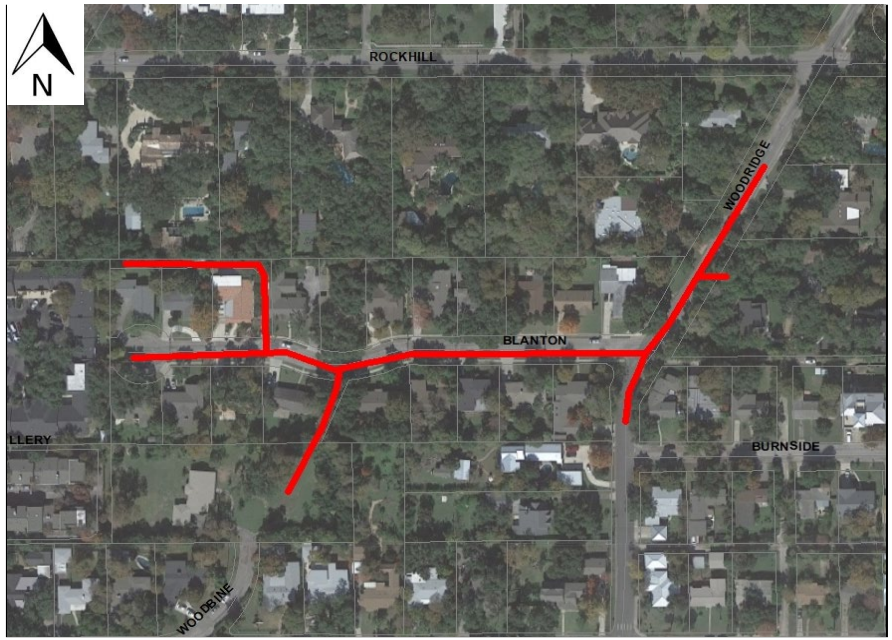
Project Type: Drainage

Type of Estimate: Planning

Project Status: Unfunded

Consultant: TBD





* Costs have not been updated with current unit costs and/or inflation from date of project creation

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

ATTACHMENT (6)

PROJECT SUMMARY SHEET

Updated: 6/25/2021

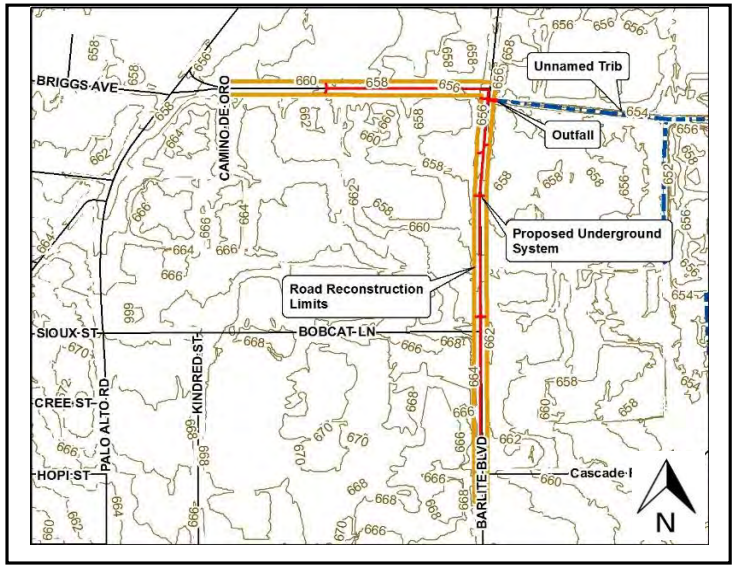
Project Name: Barlite Blvd. Drainage Improvements Projects

Council District: 4

Project Limits: Along Briggs Ave. from Somerset Rd. to Unnamed Tributary to Six Mile Creek east of Barlite Blvd. and along Barlite Blvd. from Cascade Pkwy. to the intersection with Briggs Ave.

Watershed: San Antonio River

Future Project #: 2776.01 **2022 Bond #:** xx



Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
		-
		-
		-
		-
Total Funding		$ -

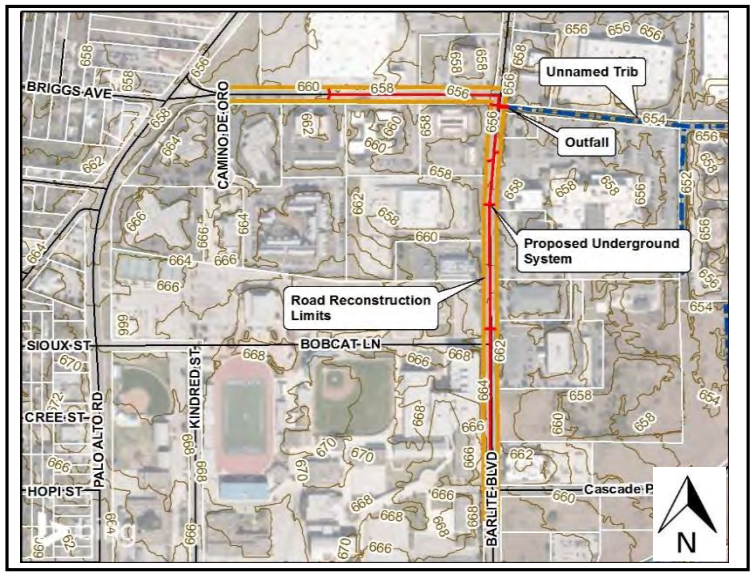
Cost Information *

Category	Cost
Design	$1,231,851
Real Estate	$0
Environmental	$146,070
Miscellaneous	$249,015
Construction	$10,365,881
Total Cost*	$12,000,000

*Rounded up to the nearest $10,000

Project Description

Street reconstruction and underground drainage systems are required to contain the 25-year event and prevent local flooding. A 5'x2' SBC transitioning to a 2-5'x2' MBC system is proposed under Briggs Ave. and a 4'x2' SBC transitioning to a 2-4'x2' MBC transitioning to 3-6'x2' MBC system is proposed under Barlite Blvd. Cover constraints limit new systems to maximum 2' high concrete boxes. Streets will undergo full road reconstruction with normal crown, 7" curbs, and sidewalk replacements. The proposed conveyance improvements will reduce local flooding issues in the area. Modifications to this area do not appear to have downstream adverse impacts and do not impact the downstream floodplain limits for Six Mile Creek.

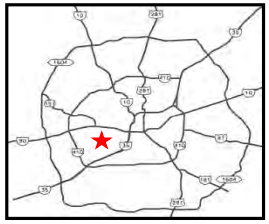


Project Type: Drainage

Type of Estimate: Planning

Project Status: Unfunded

Consultant: TBD



* Costs have not been updated with current unit costs and/or inflation from date of project creation

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

ATTACHMENT (6)
PROJECT SUMMARY SHEET

Updated: 11/12/2021

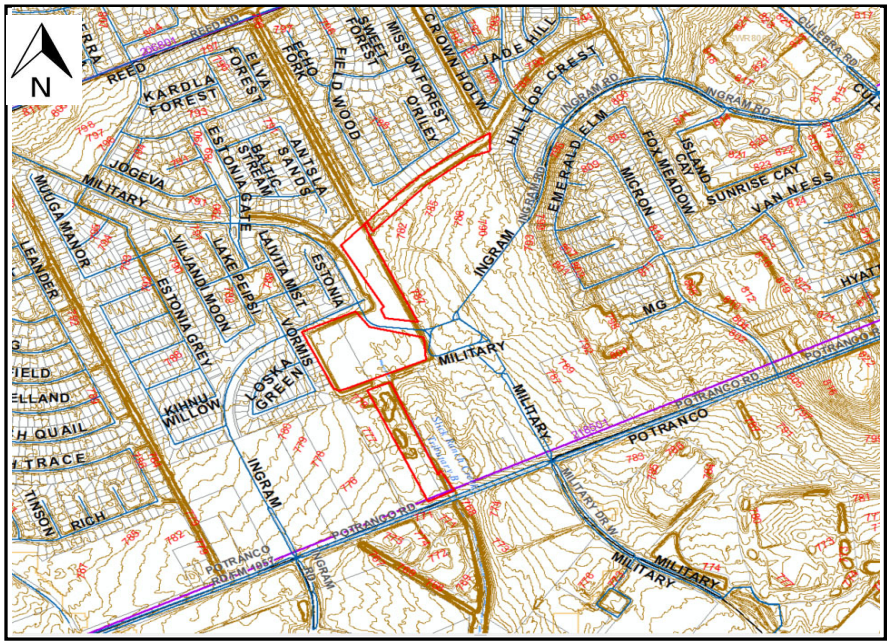
Project Name: Vicinia - Slick Ranch Tributary B

Council District: 6

Project Limits: Herber Circle to Potranco Road

Watershed: Leon

Future Project #: 2778.01 **2022 Bond #:** xx



Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
		-
		-
		-
Total Funding		$ -

Cost Information

Category	Cost
Design	$6,800,080
Real Estate	$2,875,300
Environmental	$5,000
Construction	$8,346,610
Total Cost*	$18,030,000

*Rounded up to the nearest 10,000

Project Description

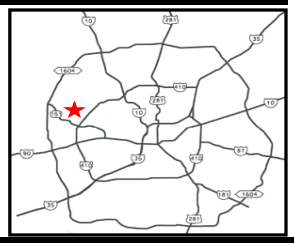
Drainage improvements for Slick Ranch Creek Tributary B are proposed beginning at Potranco Rd (FM 1957) and extending approximately 4,000 feet upstream through an existing channel located south of Herder Circle Dr. in Doral Subdivision. FM 1957 is classified as a Principal Arterial by the Texas Department of Transportation with an estimated 25,000 vehicles per day. The Potranco Rd culvert crossing is classified as dangerous to cross for the 25- and 100-year storm events. Upstream of Potranco, Tributary B transitions between an undefined, unstable channel, a defined grass-lined channel, and an excavated inline detention basin within the project limits. The proposed project includes replacement of the Potranco culvert crossing with a slab span bridge designed to convey the 100-year storm event. Drainage improvements upstream of Potranco include channelization, excavation of additional storage within an existing detention facility, and reconstruction of the detention basin outfall structure. The overall project is proposed for construction with up to 30% developer participation through contribution of engineering design and property required for new drainage right-of-way.

Project Type: Drainage

Type of Estimate: Planning

Project Status: Unfunded

Consultant: TBD



* Costs have not been updated with current unit costs and/or inflation from date of project creation

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

ATTACHMENT (6)
PROJECT SUMMARY SHEET

Updated: 10/4/2021

Project Name: Charlotte St Area Drainage Improvements

Council District: 5

Project Limits: Charlotte St from Hwy 90 Access Road to Theo Ave; De Soto from Kirk Pl to Theo Ave

Watershed: San Antonio River

Future Project #: 2780.01

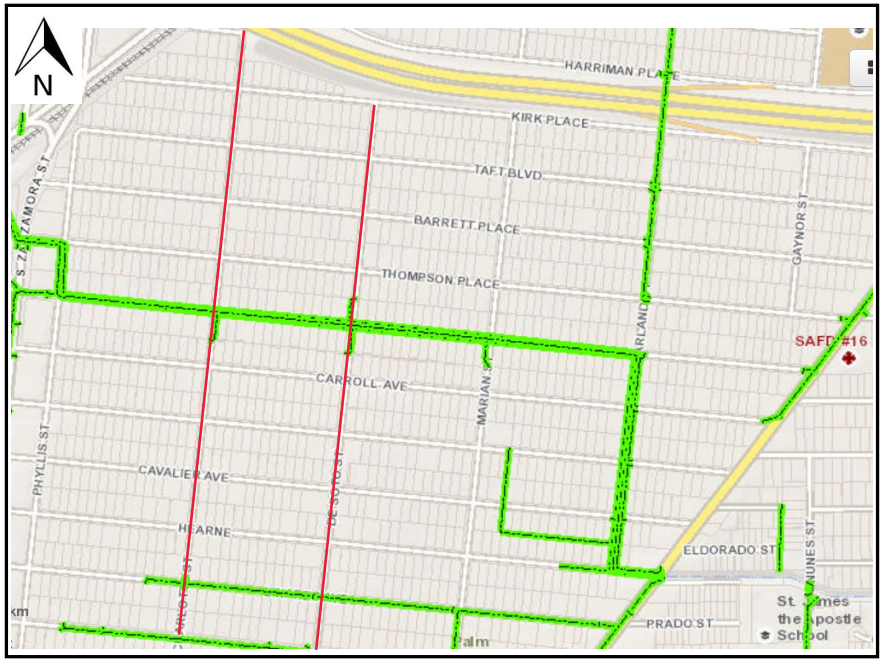
Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
		-
		-
		-
Total Funding		$ -

Cost Information

Category	*	Cost
Design		$1,419,872
Real Estate		$0
Environmental		$119,900
Construction		$9,082,777
Total Cost*		$10,630,000

*Rounded up to the nearest ten thousand



Project Description

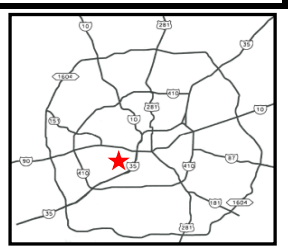
This project will create new underground storm drainage systems along Charlotte St and De Soto that will tie into existing systems on Walton Ave. and Theo Ave. The project will include full street reconstruction with curbs, driveways and sidewalks. This is a high level estimate and additional studies are needed to ensure there are no downstream impacts to the existing drainage systems.

Project Type: Drainage

Type of Estimate: Planning

Project Status: Unfunded

Consultant: TBD



* Costs have not been updated with current unit costs and/or inflation from date of project creation

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

ATTACHMENT (6)

PROJECT SUMMARY SHEET

Updated: 11/15/2021

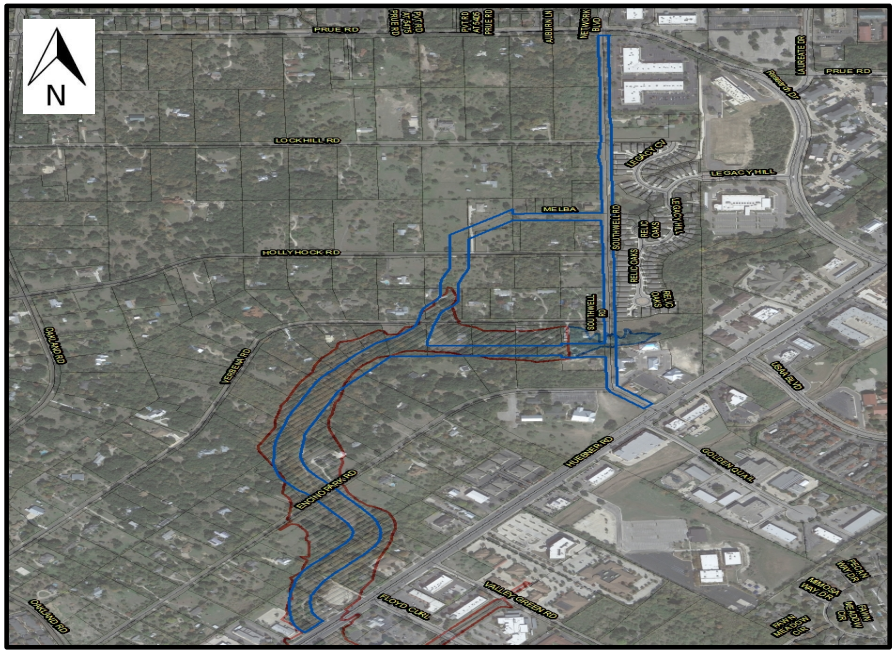
Project Name: Southwell Rd Area Drainage Improvements

Council District: 8

Project Limits: Prue Rd. to Huebner Rd.

Watershed: Leon Creek

Future Project #: 2123.01 **2022 Bond #:** N/A



Funding Information

Fund	Year	Amount
To Be Determined (TBD)		$ -
		-
		-
		-
		-
Total Funding		$ -

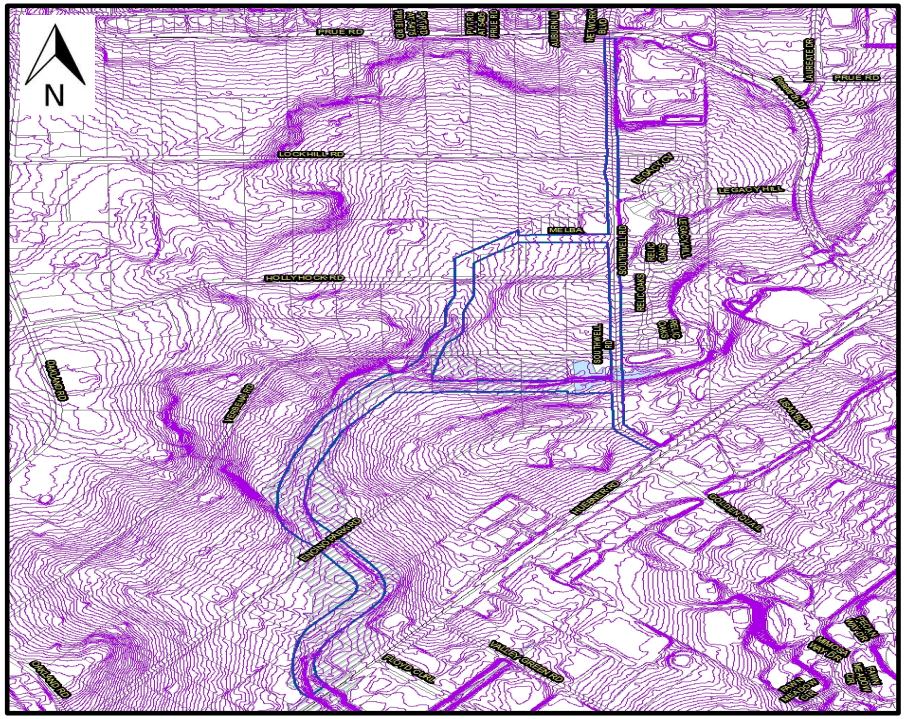
Cost Information

Category	Cost
Design	$2,486,842
Real Estate *	$12,898,313
Environmental	$173,632
Miscellaneous	$194,302
Construction	$16,881,592
Total Cost*	$32,640,000

*Rounded up to the nearest $10,000

Project Description

Area residents have expressed concerns of property flooding, ponding water and impassable low-lying sections of roadway on Southwell Rd., Hollyhock Rd., Verbena Rd., and Encino Park Rd. that experience frequent high-water levels causing the streets to be closed. The proposed planning project will upgrade the existing box culvert systems on the affected roadways with reinforced concrete box culverts (RCBC) ranging in size from 6'x2' to 12'x6' RCBC. The project will also install a storm drain system on Southwell Rd. and comprises 6'x2' RCBC trunk line, 10' curb inlets, 24" to 36" reinforced concrete pipe (RCP), and other necessary drainage components. This project includes the re-channelization of Huebner Creek Tributary A between Southwell Rd. and Huebner Rd. as well as the reconstruction of a natural low that discharges into Heubner Creek Tributary A as an outfall channel. The proposed outfall channel bottom width ranges from 50' to 130' with 3H:1V (Horizontal to Vertical) side-slopes with depths ranging from 3' to 5'. The proposed project includes reconstructing Southwell Rd. from Prue Rd. to Huebner Rd. including curbs, sidewalks, and driveway approaches as necessary. Also included in the proposed project, the affected areas of Hollyhock, Verbena, and Encino Park each will be reconstructed to accommodate the upgraded culvert, drainage system, and roadway upgrades. The proposed channel excavation will require significant property acquisition for a drainage easement for the improvements to be installed. The drainage easement ranges in width from 100' to 150'. Due to the amount of acquisition required, condemnation of some properties is anticipated. The proposed project will be capable of conveying the 4% and 1% annual chance storm events for ultimate development of the associated watersheds. The proposed improvements will remove low water crossings LWC 30.1, LWC 30.2, and LWC 30.3 and the low area on Hollyhock Rd. and mitigate property flooding and localized drainage issues within the streets and street rights-of-way within the project area. The proposed project will also improve vehicular and pedestrian access and safety within the project area.

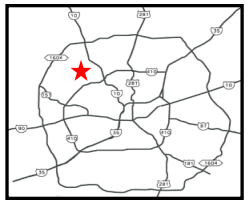


Project Type: Drainage

Type of Estimate: Planning

Project Status: Unfunded

Consultant: TBD



* Costs have not been updated with current unit costs and/or inflation from date of project creation

DRAINAGE & FLOOD MANAGEMENT			
Date/Time Submitted	**Name**	**Council District**	**Comments**
11/09/2021 23:46	Jacob Gregoire	District 5	while I believe that bike friendly greenways and public transit routes would be a great amenities, I firmly believe that equity, in terms of infrastructure and flood prevention, should be the priority in districts that have been historically "under-served" during previous bond allocations.
11/10/2021 17:51	Amy Ramirez	District 8	Are the quad sheets and cost estimates available for Public? We would like to see the breakdown of the cost estimate for George Rd.
11/10/2021 23:39	Azari Jones	District 2	Cleaning up the drainage channel at Perrin Beittel/Vicar Dr. The Drainage Channel compared to others is covered in vegetation, trees, debris and is not a flat cemented surface, so that water can flow. There are several 311 reports speaking on the draining/flood management issue at this location.
11/11/2021 01:07	Mary Johnson	District 1	I'm sitting in this bind committee meeting right now, and it seems to me that we as a city need to divert more funding for streets and severe flooding mitigation, I am appalled at how many areas in our city are in need, this cannot wait five years, especially given the massive rain events that could happen due to climate change . The parka and trails can wait. I think this is incredibly important as far as public safety, it would be negligent of our city management to not take action now. The Annie Area Drainage was one the Monticello area wow! And the neighborhoods off of Dellview . The Barbara street project seems to have made many things worse. And how in hods name did the El Montan motor in get to cover up drains are they not required permits to repave a parking lot!?
11/11/2021 01:21		District 1	To Razi Hossenini, Alleys are city easements DSD now allows developers to build in Alleys as if they are streets. They also in some instances allow developers using "minor variances" to take over some of the land that is an alley and use it in their developments.
11/11/2021 01:43		District 1	Peggy drive , really no infrastructure?! They had to build a concrete egress for emergency vehicles! I have a great idea. How about DSD doesn't permit an entire development without proper infrastructure! It doesn't take a engineering degree to know that it's gonna be a problem.
11/13/2021 04:56	Carol Ann Cieszinski	District 5	Drainage Desperately needed for a main artery Street through District 5 is Frio City Road. Drainage during rain fall is really bad. Hopefully some Monroe's can be appropriated for this.