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CITY OF SUNSET VALLEY

5-Year Capital Improvement Plan

MAY 17, 2021



CITY OF SUNSET VALLEY
Summary
5-Year Capital Improvement Plan

Project Name	Project Description	Project Limits/Area	Project Cost	Fiscal Year				
				21-22	22-23	23-24	24-25	25-26
WATER SYSTEM IMPROVEMENTS								
AISD Water Meter Conversion	Connect Burger Center and SVES water meters to CoSV water system as per CoA Water Supply Agreement	Jones Road at Pillow Drive	\$90,000					
Burger Center Fire Line	Extend 16" water line to Burger Center to provide enhance fire flows.	Jones Road	\$200,000					
Country White Lane Master Water Meter Improvements	Install master water meter and vault for Country White Lane customers as per CoA Water Supply Agreement	Brodie Lane and Country White Lane	\$242,000					
Brodie Lane CoSV Water Customer Conversion	Provide water service to CoSV customers on Brodie Lane , as per the 2007 Wholesale Water Agreement with the CoA.	Brodie Lane and Oakdale Drive	\$320,000					
Stearns Lane Water System Improvements	Extend water lines to provide water service to CoSV residents on Stearns Lane.	US 290 to the City Limit	\$535,000					
Stearns Lane ETJ Water and Wastewater System Improvements	Extend water and sewer to serve customers in CoSV's ETJ.	Stearns Lane in ETJ	\$450,000					
Sunset Trail Waterline Improvements	Replace undersized water main to improve domestic and fire flows in the area.	Jones Road to Reese Drive	\$390,000					
Lone Oak Trail Water Line Improvements	Replace undersized water mains and construct water main connections to improve domestic and fire flows in the area.	Lone Oak Trail	\$920,000					
ERW Water Line Improvements	Loop existing 12" water line along ERW to improve fire and domestic flows in the water distribution system.	ERW	\$200,000					
Water Storage Tank Replacement	Replace lead contaminated water tank.	Lone Oak Trail	\$250,000					
Water Meter Vault Repair – Home Depot Blvd.	Repair water meter vault to mitigate flooding	Home Depot Blvd. at Brodie Lane	\$50,000					
Backflow Preventer Repair and Winterization	Repair/replace and winterize backflow preventers maintained by the CoSV	Various Locations	\$140,000					
Residential and Commercial AMR Water Meter Replacement	Replace existing commercial water meters with AMI meters	Various Locations	\$300,000					

CITY OF SUNSET VALLEY
Summary—Continued
5-Year Capital Improvement Plan

Project Name	Project Description	Project Limits/Area	Project Cost	Fiscal Year				
				21-22	22-23	23-24	24-25	25-26
WASTEWATER SYSTEM IMPROVEMENTS								
Stearns Lane Lift Station Improvements	Install grinder pumps, pump controls and SCADA	Stearns lane	\$184,000					
US 290 Sanitary Sewer Main Repairs	Replacement and repairs of sewer pipe will eliminate sag conditions and protruding service connections,	US 290 - Brodie Lane to Stearns Lane	\$150,000					
Oakdale Drive Sanitary Sewer Main Repairs	Replace and repair problematic segments of sewer main	Oakdale @ Private Road	\$150,000					
STREETS								
Country White Lane Infrastructure Improvements	Street reconstruction, drainage and utility improvements	Brodie Lane to cul-de-sac	\$1,175,000					
Ernest Robles Way Street and Slope Stabilization Improvements	Repair street and slope/bank area at culvert Crossing	ERW at Upper Cougar Creek	\$250,000					
Pillow Drive Turnaround Enhancements	Pillow Drive Turnaround Enhancements	South end of Pillow Drive	\$45,000					
Lone Oak Trail Turnaround Improvements	Construct turnaround at the south end of Lone Oak Trail for emergency vehicles and one handicap parking space	South end of Lone Oak Trail	\$80,000					
Reese Drive Emergency Vehicle Turnaround Enhancements	Emergency vehicle turnaround enhancements at the end of Reese Street (Valley Creek Park)	South end of Reese Drive	\$20,000					
Oakdale Drive Emergency Vehicle Turnaround Enhancements	Pavement widening to enhance the turnaround at the end of Oakdale Drive	East end of Oakdale Drive	\$20,000					
Sunflower Trail Cluster Mailbox Pullout	Construct pullout for relocated cluster mailbox pullout for The Villas	Sunflower Trail at ERW	\$35,000					
Solar Powered Street Lights	Install solar powered street lights on thoroughfares	Brodie Lane, Ernest Robles Way, US 290 and Jones Road	\$440,000					
5 - Year Street Maintenance Plan	Maintenance of all streets in Sunset Valley including crack sealing, patching, joint repair, micro-surfacing and mill & overlay	Citywide	\$1,672,000					

CITY OF SUNSET VALLEY
Summary—Continued
5-Year Capital Improvement Plan

Project Name	Project Description	Project Limits/Area	Project Cost	Fiscal Year				
				21-22	22-23	23-24	24-25	25-26
DRAINAGE								
Lovegrass Water Quality Pond Repairs	Make repairs and return the water quality pond back to service	Lovegrass Lane	\$65,000					
Sunset Valley Regional Dam Improvements	Construct a labyrinth spillway	Sunset Valley Tributary	\$415,000					
Yellow Tail Cove Drainage Improvements	Drainage improvements to fill in deep roadside ditches	Lovegrass Lane to the Cul-de-sac	\$750,000					
OPEN SPACE								
Valley Creek Park Trail Improvements	Create a trailhead and extend trail across creek to South Hill Conservation Area trail	Valley Creek Park	\$40,000					
Burger Center Trail Improvements	Complete Trail System around Burger Center	ERW, US 290 and MSG Horrigan Drive	\$470,000					
Upland Tract Development	Construct Open Space Improvements	US 290 & Pillow Drive	\$1,580,000					
Upper Cougar Creek Tract Development	Construct Open Space Improvements	ERW & Brodie Lane	TBD					
Dog Park	Construct dog parks	TBD	\$100,000					
FACILITIES								
Standby Power for City Complex	Install generators for City Hall, Public Works Building and Shop	Jones Road	\$500,000					
PLANNING								
Park and Open Space Management Plan	Update the Open Space Management Plan	Citywide	\$25,000					
Trails Master Plan	Update the Trails Master Plan	Citywide	\$25,000					
Comprehensive Plan	Update the Comprehensive Plan (last version 1995)	Citywide	\$50,000					
Land Development Code	Update Land Development Code	Citywide	\$25,000					
Mapping	Upgrade and update the GIS system	Citywide	\$75,000					
Mapping	Update City maps (city limit, zoning, land use, utilities, topographic, etc.)	Citywide	\$25,000					
Impact Fees	Implement development impact fees	Citywide	\$100,000					
Disaster Preparedness Plan	Complete Disaster Preparedness Plan	Citywide	\$25,000					



WATER SYSTEM

Capital Improvement Projects

PROJECT INFORMATION SHEET

Project Name: AISD Water Meter Conversion

Type of Improvement: Water System

Project Description:

Convert AISD facilities (CoSV Burger Center and Sunset Valley Elementary School) to CoSV water customers as per the 2007 Wholesale Agreement with CoA. In 2007, City of Sunset Valley committed to providing water service to AISD facilities by 2022.

The improvements include; connecting the existing CoA water main the CoSV water main, capping the CoA water main, and acquiring CoA Water facilities west of that connection, including Burger Center and SVES meters. Upgrading the water meter assemblies to meet codes ay be required.

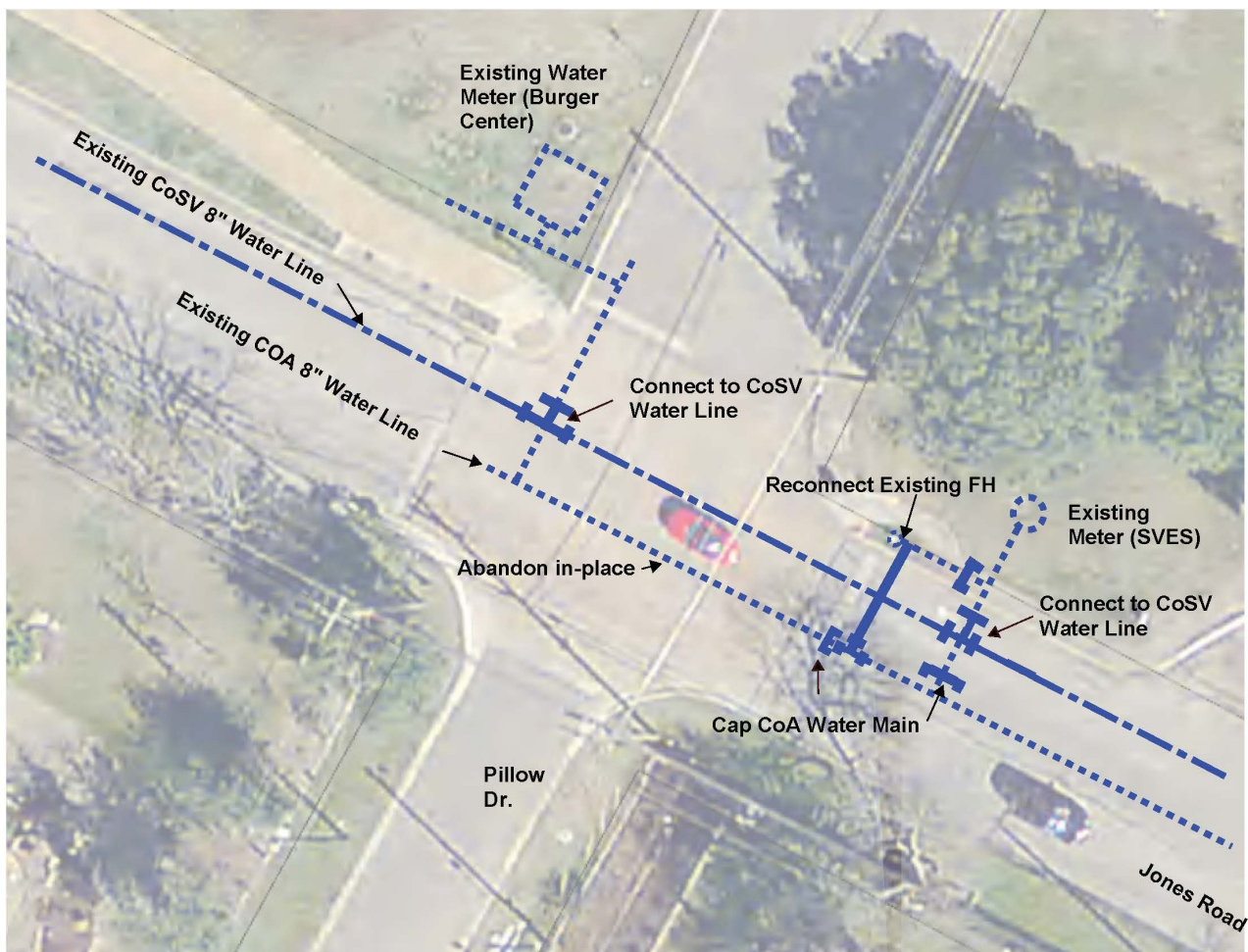
Notable Project Challenges:

- Potential utility conflicts



Cost and Project Timeline

Activity	Cost	Project Timeline
Engineering / Planning	\$10,000	
Right-of-way / Facility Acquisition		
Construction	\$70,000	
Contingency	\$10000	
TOTAL	\$90,000	



SHEET:

JOB:

DATE:

City of Sunset Valley
AISD Water Meter Conversion



Freeland Turk
ENGINEERING GROUP

160 CREEKSIDE PARK ROAD, SUITE 200
SPRING BRANCH, TX 78070
TBPE FIRM F-21047

PROJECT INFORMATION SHEET

Project Name: Burger Center Fire Line

Type of Improvement: Water System

Project Description:

Install fire line across Jones Road for AISD / Burger Center to meet fire demand (reportedly 5,000 gpm).

Notable Project Challenges:

- Potential utility conflicts

Cost and Project Timeline

Activity	Cost	Project Timeline
Engineering / Planning	\$ 22,000	
Right-of-way / Facility Acquisition	\$ 8,000	
Construction	\$150,000	
Contingency	\$ 20,000	
TOTAL	\$200,000	

PROJECT INFORMATION SHEET

Project Name: Country White Lane Master Water Meter Improvements

Type of Improvement: Water System

Project Description:

Provide water service to lots on Country White Lane by establishing a master water meter tied to CoSV's water system, as per the 2007 Wholesale Water Agreement with the CoA.

The improvements include installing a master water meter and vault just south of existing backflow preventer (privately owned by "The Barn"), tie to

existing private 8" water line and extending it into the south side of Country White lane.

Notable Project Challenges:

- Acquisition of private line and easement will be required (cost included in the estimate).
- Acquisition of a temporary construction easement may be required.



Cost and Project Timeline

Activity	Cost	Project Timeline
Engineering / Planning	\$ 15,000	
Right-of-way Acquisition	\$ 6,000	
Construction (+Acquisition)	\$200,000	
Contingency	\$ 21,000	
TOTAL	\$242,000	

PROJECT INFORMATION SHEET

Project Name: Brodie Lane CoSV Water Customer Conversion

Type of Improvement: Water System

Project Description:

Provide water service to CoSV customers on Brodie Lane , as per the 2007 Wholesale Water Agreement with the CoA.

The improvements include installing an 8” water line along Brodie Lane within a proposed utility easement.

Notable Project Challenges

- Acquisition of four water utility easements will be required.



Cost and Project Timeline

Activity	Cost	Project Timeline
Engineering / Planning	\$ 25,000	
Right-of-way Acquisition	\$105,000	
Construction	\$160,000	
Contingency	\$ 30,000	
TOTAL	\$320,000	



SHEET:

City of Sunset Valley
 Brodie Lane
 CoSV Water Customer Conversion



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 SPRING BRANCH, TX 78070
 TBPE FIRM F-21047

JOB:

DATE:

PROJECT INFORMATION SHEET

Project Name: Stearns Lane Water System Improvements

Type of Improvement: Water System

Project Description:

Provide water service to CoSV lots on Stearns Lane, as per the 2007 Wholesale Water Agreement with the CoA.

Service to Stearns Lane customers can be established by connecting to the CoSV 8" water main just west of the existing master meter on US 290 frontage road and extending an 8" water main

along US 290 and Stearns Lane to the City limit. Due to utility congestion, water utility easements will be required from every lot on the west side of Stearns Lane.

Notable Project Challenges:

- Utility congestion on US 290
- Easement acquisition from 10 lots
- Intrusive construction on residential lots



Cost and Project Timeline

Activity	Cost	Project Timeline
Engineering / Planning	\$ 45,000	
Right-of-way Acquisition	\$140,000	
Construction	\$300,000	
Contingency	\$ 50,000	
TOTAL	\$535,000	



Not to Scale

Existing Water Lines (COA)



SHEET:

JOB:

DATE:

City of Sunset Valley
Stearns Lane Waterline
Improvements



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TBPE FIRM F-21047

PROJECT INFORMATION SHEET

Project Name: Stearns Lane ETJ Water and Wastewater System Improvements

Type of Improvement: Water and Wastewater

Project Description:

Provide water service to CoSV ETJ lots off of Stearns Lane by extending an 8” water main and 8” sewer main along Stearns Lane.

Water System

- Service to CoSV ETJ lots off of Stearns Lane can be established by extending an 8” water main to the north along Stearns Lane from the City limit to the last lot of the ETJ at the end of Stearns Lane.
- The water main extensions will require easements from the 6 lots in the ETJ on the west side of Stearns Lane.
- Extending an 8” water main from US 290, along Stearns Lane and to the City limit line must precede this project.

Wastewater System





- Tie into existing CoA sewer mains on Stearns Lane at Cupid Dr. and in Nancy Gale Dr.
- Extend sewer main South along Stearns Lane to serve CoSV ETJ lots.
- Some lots may require sewage pumps.

Notable Project Challenges

- Easement acquisition from 6 lots because of narrow Stearns Lane right-of-way.

Cost and Project Timeline

Activity	Cost	Project Timeline
Engineering / Planning	\$ 40,000	
Right-of-way Acquisition	\$ 95,000	
Construction	\$275,000	
Contingency	\$ 40,000	
TOTAL	\$450,000	

-  Proposed Water Line
-  Existing Water Line
-  Proposed Sewer Line
-  Existing Sewer Line



SHEET:

City of Sunset Valley
 Stearn Lane ETJ Water and Wastewater
 System Improvements

JOB:

DATE:



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 SPRING BRANCH, TX 78070
 TBPE FIRM F-21047

PROJECT INFORMATION SHEET

Project Name: Sunset Trail Water Line Improvements

Type of Improvements: Water

Project Description:

Replace undersized water mains and construct water main connections to improve domestic and fire flows in the area.

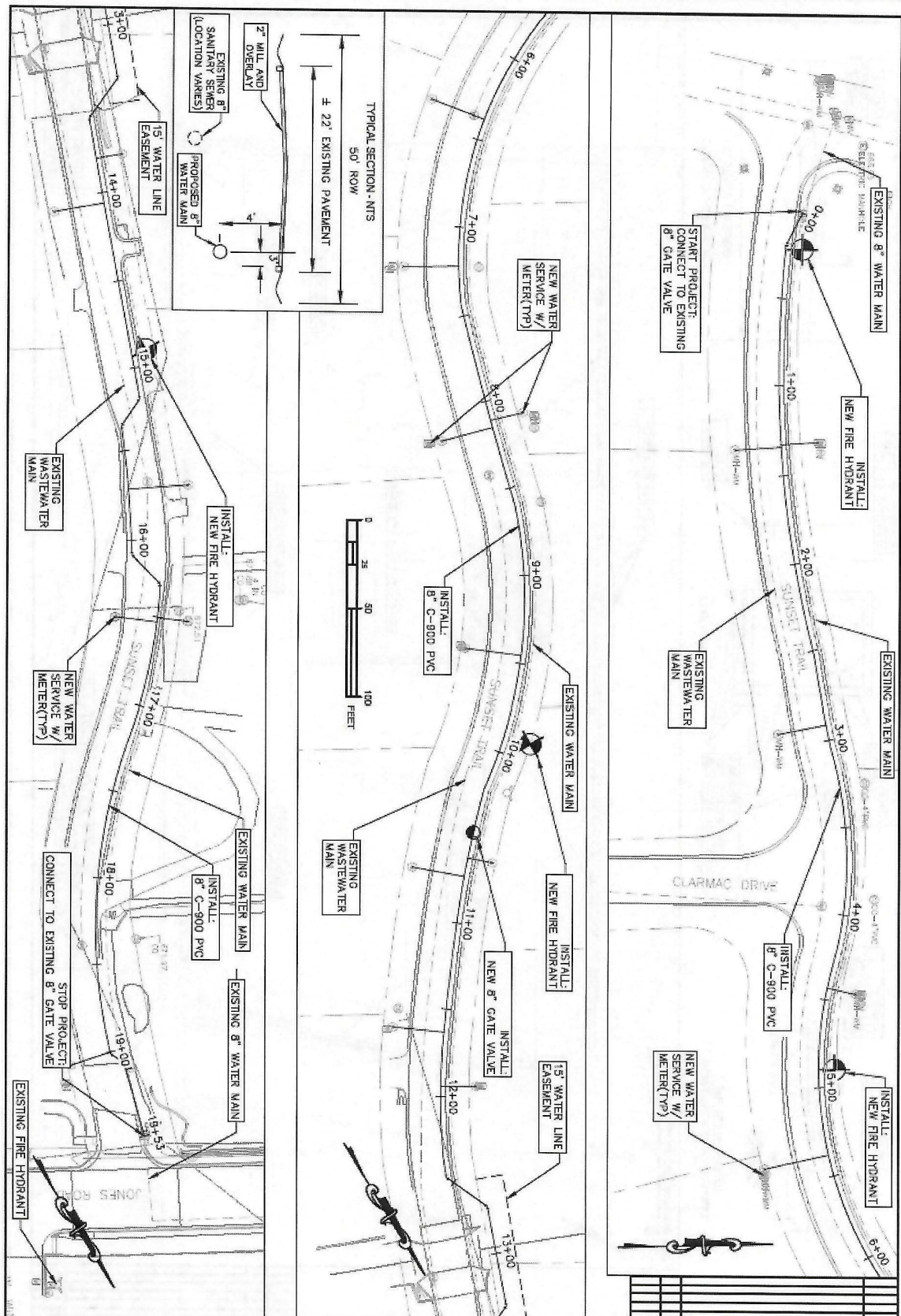
The improvements include installing an 8” waterline in Sunset Trail from Jones Road to Reese Street and constructing an 8” water main loop connection between Reese Drive and Pillow Drive.

Notable Project Challenges:

- Water line separation from existing sanitary sewer main.
- This project will require the acquisition of water line easements.

Cost and Project Timeline

Activity	Cost	Project Timeline
Engineering / Planning	\$ 45,000	
Right-of-way Acquisition	\$ 20,000	
Construction	\$ 290,000	
Contingency	\$ 35,000	
TOTAL	\$ 390,000	



B SHEET EXH B	FILE C:\120-105 PLAN.dwg
	DRAWN BY: CF
	DESIGNED BY: GF
	REVIEWED BY: GVT
	PROJECT NO.: 120-105

CITY OF SUNSET VALLEY
 JONES ROAD AND SUNSET TRAIL
 STREET, DRAINAGE, AND WATERLINE IMPROVEMENTS
 PRELIMINARY SCHEMATIC

Freeland & Turk
ENGINEERING GROUP

150 CREEKSIDE PARK RD. STE 200 (330) 435-0329
 SPRING BRANCH, TX 75076 TBPE FIRM 5-21047

PROJECT INFORMATION SHEET

Project Name: Lone Oak Trail Water Line Improvements

Type of Improvements: Water

Project Description:

Replace undersized water mains and construct water main connections to improve domestic and fire flows in the area.

The improvements include replacing the undersized water main with 8" water line under pavement and establishing water system loop connections between Lone Oak Trail at Curley Mesquite and Yellow Tail Cove cul-de-sacs. Water utility easements will be required.

Notable Project Challenges:

- Water line loop connections will be intrusive to landowners.
- Water utility easements required (6 parcels).
- EAPP Required

Cost and Project Timeline

Activity	Cost	Project Timeline
Engineering / Planning	\$ 90,000	
Right-of-way Acquisition/Permitting	\$ 100,000	
Construction	\$ 630,000	
Contingency	\$ 100,000	
TOTAL	\$ 920,000	

----- Existing 8" Water Mains
————— Proposed 8" Water Mains



SHEET:
 JOB:
 DATE:

City of Sunset Valley
 Lone Oak Trail Water Line
 Improvements



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 160 CREEKSIDE PARK ROAD, SUITE 200
 SPRING BRANCH, TX 78070
 TBPE FIRM F-21047

PROJECT INFORMATION SHEET

Project Name: ERW Water Line Improvements

Type of Improvements: Water

Project Description:

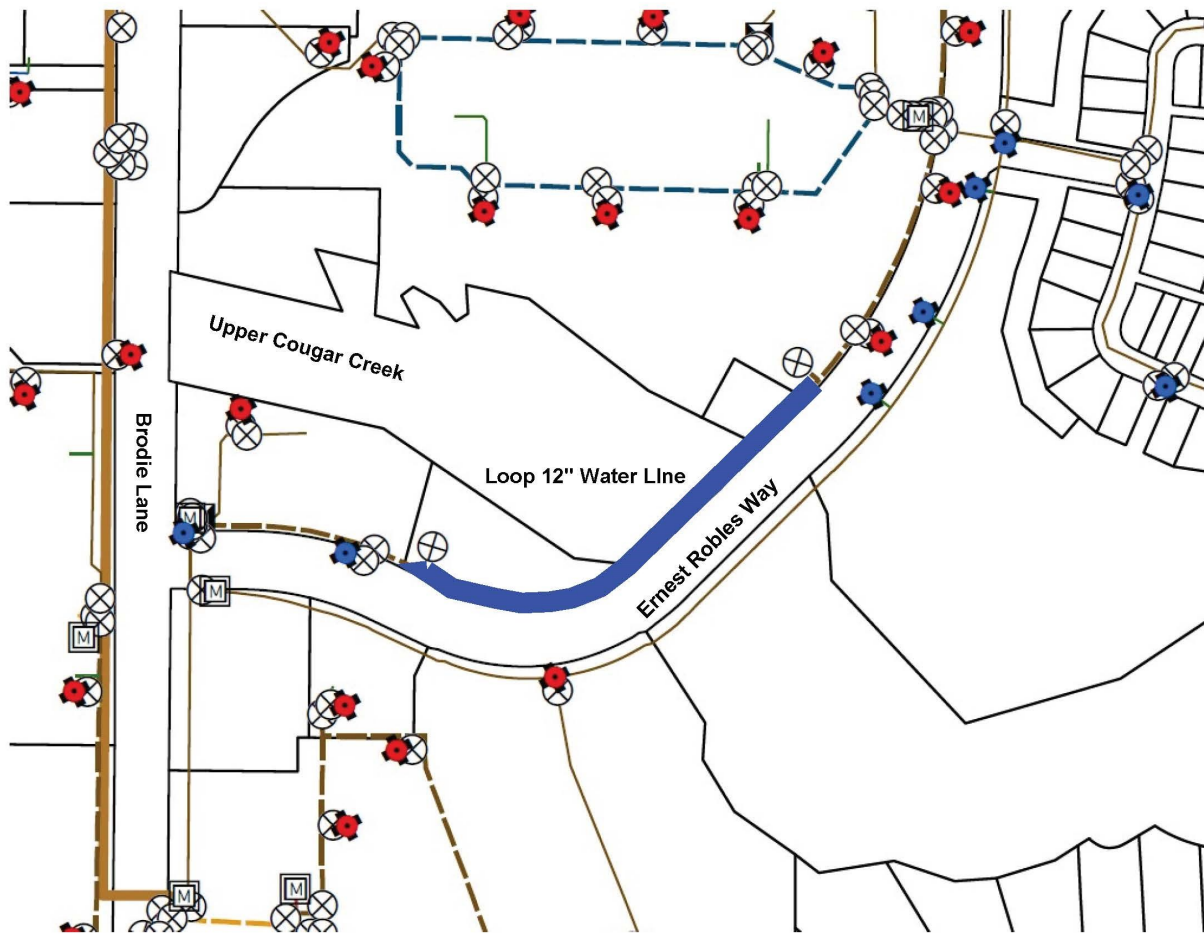
Loop existing 12" water line along ERW to improve fire and domestic flows in the water distribution system.

Cost and Project Timeline

Activity	Cost	Project Timeline
Engineering / Planning	\$ 30,000	
Right-of-way Acquisition/Permitting	\$	
Construction	\$ 200,000	
Contingency	\$ 20,000	
TOTAL	\$ 250,000	



Not to Scale



SHEET:

JOB:

DATE:

City of Sunset Valley
ERW Water Line Improvements



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160 CREEKSIDE PARK ROAD, SUITE 200
SPRING BRANCH, TX 78070
TBPE FIRM F-21047

PROJECT INFORMATION SHEET

Project Name: Water Storage Tank Replacement

Type of Improvement: Water

Project Description:

Replace the existing 44,000 gallon steel bolted water storage tank.



Cost and Project Timeline

Activity	Cost	Project Timeline
Engineering / Planning	\$ 25,000	
Right-of-way Acquisition		
Construction	\$160,000	
Contingency	\$ 20,000	
TOTAL	\$200,000	

PROJECT INFORMATION SHEET

Project Name: Water Meter Vault Repair – Home Depot Blvd.

Type of Improvement: Water System

Project Description:

Repair existing water meter vault and repair concrete pavement on Home Depot Blvd. to mitigate vault flooding and pavement settlement. Effort requires water leak study (underway) to determine source(s) of water causing the issues.



Cost and Project Timeline

Activity	Cost	Project Timeline
Engineering / Planning	\$10,000	
Right-of-way Acquisition		
Construction	\$20,000	
Contingency	\$10,000	
TOTAL	\$50,000	

PROJECT INFORMATION SHEET

Project Name: Backflow Preventer Repair and Winterization

Type of Improvements: Water

Project Description:

Repair / replace and winterize backflow preventers maintained by the CoSV.



Cost and Project Timeline

Activity	Cost	Project Timeline
Engineering / Planning	\$ 15,000	
Right-of-way Acquisition		
Construction	\$110,000	
Contingency	\$ 15,000	
TOTAL	\$140,000	

PROJECT INFORMATION SHEET

Project Name: Residential and Commercial AMR Water Meter Replacement

Type of Improvements: Water

Project Description:

Replace existing residential and commercial water meters with AMR meters. AMR water metering allows data to be read electronically using cell technology and data processed using Incode Technology billing software.



Cost and Project Timeline

Activity	Cost	Project Timeline
Engineering / Planning	\$ 30,000	
Right-of-way Acquisition		
Construction	\$250,000	
Contingency	\$ 20,000	
TOTAL	\$300,000	



WASTEWATER SYSTEM

Capital Improvement Projects

PROJECT INFORMATION SHEET

Project Name: Stearns Lane Lift Station Improvements

Type of Improvement: Wastewater

Project Description:

Rehabilitate the Stearns Lane lift station to meet code requirements and increase its capacity to accommodate future growth. Improvements include grinder pumps, pump controls, and SCADA.

Notable Project Challenges

- Additional easement acquisition.
- Sewage bypass pumping.



Cost and Project Timeline

Activity	Cost	Project Timeline
Engineering / Planning	\$ 44,000	
Right-of-way Acquisition	\$ 0	
Construction	\$115,000	
Contingency	\$ 25,000	
TOTAL	\$184,000	

PROJECT INFORMATION SHEET

Project Name: US 290 Sanitary Sewer Main Repairs

Type of Improvement: Wastewater

Project Description:

Replacement and repairs of sewer pipe will eliminate sag conditions and protruding service connections, reducing maintenance effort and costs. The effort includes replacement and repair of the existing sewer pipe at 8 locations, totaling over 325 feet.

Notable Project Challenges:

- Constrained work area
- Potential utility conflicts during construction
- Damage to landscaping
- Short term single driveway closures
- Bypass pumping

Cost and Project Timeline

Activity	Cost	Project Timeline
Engineering / Planning	\$ 20,000	
Right-of-way Acquisition	\$	
Construction	\$100,000	
Contingency	\$ 30,000	
TOTAL	\$150,000	

 Sewer Main Repairs



SHEET:

JOB:

DATE:

City of Sunset Valley
US 290 Sanitary Sewer Main Repairs



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160 CREEKSIDE PARK ROAD, SUITE 200
SPRING BRANCH, TX 78070
TBPE FIRM F-21047

PROJECT INFORMATION SHEET

Project Name: Oakdale Drive Sewer Main Repairs

Type of Improvement: Wastewater

Project Description:

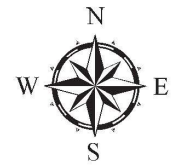
Replacement and repairs of sewer pipe will eliminate sag conditions reducing maintenance effort and costs. The effort includes replacement and repair of the existing sewer pipe at 3 locations totaling over 300 feet, including the replacement of 2 manholes.

Notable Project Challenges:

- Short term road closures
- Bypass pumping
- Construction in private road
- Possible Construction Easement Acquisition
- Temporary Road widening

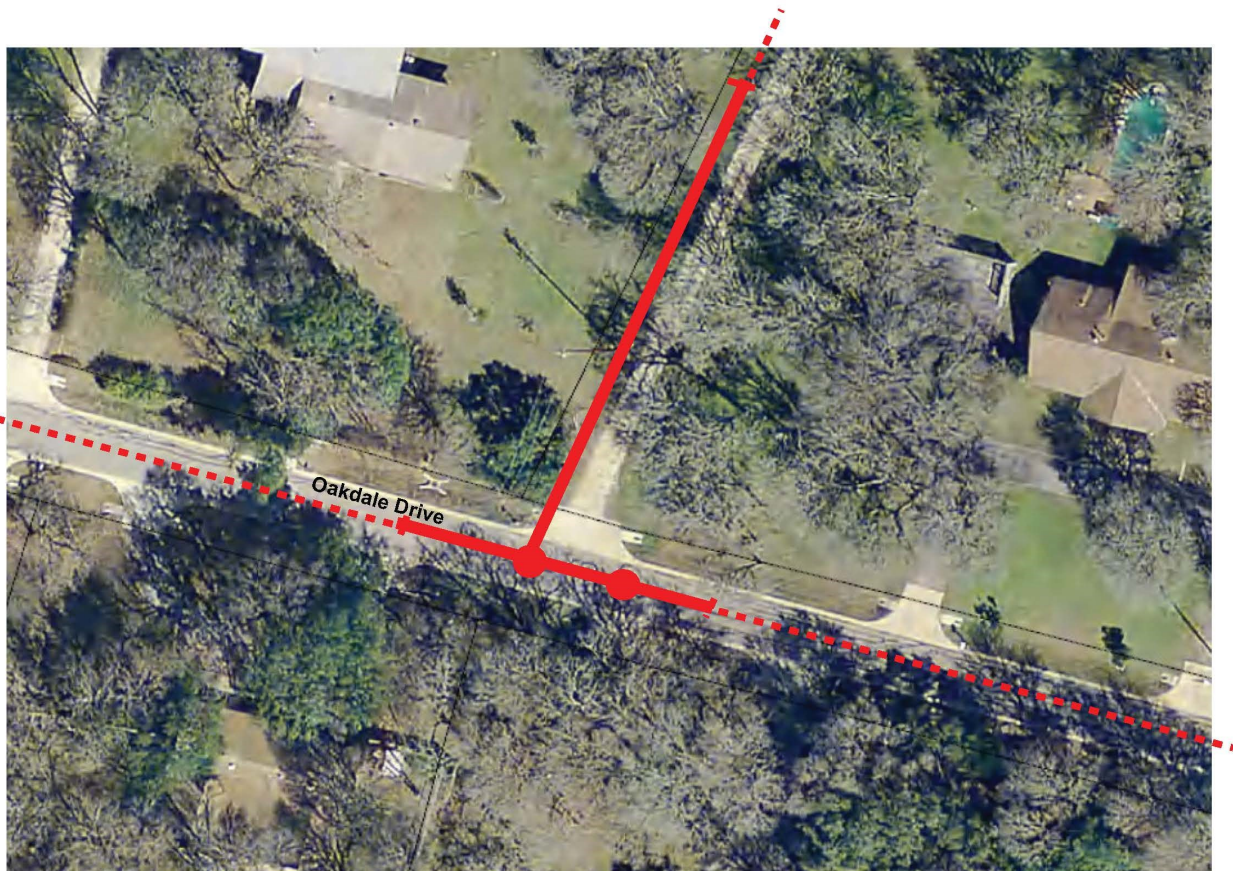
Cost and Project Timeline

Activity	Cost	Project Timeline
Engineering / Planning	\$ 20,000	
Right-of-way Acquisition		
Construction	\$120,000	
Contingency	\$ 15,000	
TOTAL	\$150,000	



- Existing Sewer Main
- Sewer Main Replacement

Not to Scale



SHEET:

City of Sunset Valley
Oakdale Drive Sewer Main Replacement



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SPRING BRANCH, TX 78070
TBPE FIRM F-21047

JOB:

DATE:



STREETS

Capital Improvement Projects

PROJECT INFORMATION SHEET

Project Name: Country White Lane Infrastructure Improvements

Type of Improvement: Street, Drainage, Water and Sanitary Sewer

Project Description:

Construction of infrastructure improvements to improve public health and safety in the Country White Lane area.

Street - Construction of 24' wide asphalt street (with curb) and cul-de-sac / turnaround at the west end of the road. Project requires CoA/Travis County approval.

Drainage - Storm drain system along entire length that outfalls into the existing drainage ditch at Brodie Lane. Project requires CoA /Travis County approval.

Water – Extend 8” water main from existing main located near Brodie Lane. Extension of water is dependent upon the installation of CoA master meter and conversion to CoSV water system.

Sanitary Sewer – Tie into existing sewer main located near the creek and extend south into Country White Lane. New sanitary sewer lines enable abandonment of on-site septic systems. Project requires sanitary sewer easement.

Notable Project Challenges:

- CoA / Travis Country approvals
- Sanitary Sewer Easement Acquisition
- Limited / constrained ROW
- Street Closure

Cost and Project Timeline

Activity	Cost	Project Timeline
Engineering / Planning	\$140,000	
Right-of-way Acquisition	\$ 35,000	
Construction	\$900,000	
Contingency	\$100,000	
TOTAL	\$1,175,000	



Not to Scale

8" Sewer Line

The Barn

Brodie Lane

SHEET:

City of Sunset Valley
Country White Lane Infrastructure
Improvements



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160 CREEKSIDE PARK ROAD, SUITE 200
SPRING BRANCH, TX 78070
TBPE FIRM F-21047

JOB:

DATE:

PROJECT INFORMATION SHEET

Project Name: Ernest Robles Way Street and Slope Stabilization Improvements

Type of Improvements: Street / Drainage

Project Description:

Repair street and slope/bank area at Upper Cougar Creek culvert crossing to stabilize street and drainage structures. The improvements include reconstructing concrete pavement, soil stabilization, replacing inlets, and rebuilding the stone stacks / landscaping.

Notable Project Challenges:

Traffic Control



Cost and Project Timeline

Activity	Cost	Project Timeline
Engineering / Planning	\$ 40,000	
Right-of-way Acquisition		
Construction	\$175,000	
Contingency	\$ 35,000	
TOTAL	\$250,000	



Not to Scale



SHEET:

City of Sunset Valley
Ernest Robles Way Bank Stabilization



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SPRING BRANCH, TX 78070
TBPE FIRM F-21047

JOB:

DATE:

PROJECT INFORMATION SHEET

Project Name: Pillow Drive Turnaround Enhancements

Type of Improvements: Street

Project Description:

Emergency vehicle turnaround enhancement at south end of Pillow Drive.

Notable Project Challenges:

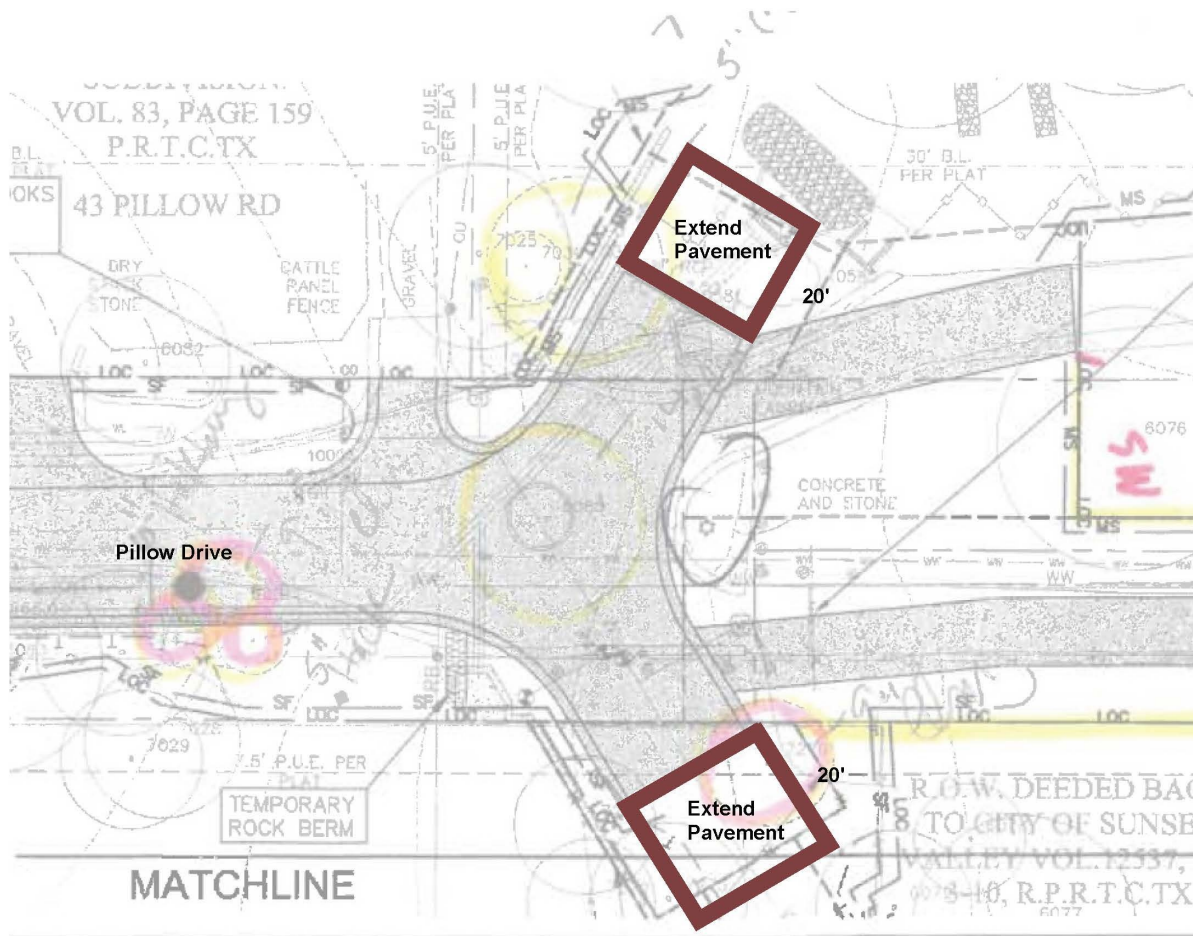
- Additional easements may be required at the end of Pillow Drive.

Cost and Project Timeline

Activity	Cost	Project Timeline
Engineering / Planning	\$ 5,000	
Right-of-way Acquisition	\$10,000	
Construction	\$25,000	
Contingency	\$ 5,000	
TOTAL	\$45,000	



Not to Scale



SHEET:
JOB:
DATE:

City of Sunset Valley
Pillow Drive Emergency Vehicle
Turnaround Enhancements



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SPRING BRANCH, TX 78070
TBPE FIRM F-21047

PROJECT INFORMATION SHEET

Project Name: Lone Oak Trail Turnaround Improvements

Type of Improvements: Street

Project Description:

Construct turnaround at the south end of Lone Oak Trail for emergency vehicles. The improvements include a handicap parking space.

Notable Project Challenges:

- Conversion of City Property to Right-of-way



Cost and Project Timeline

Activity	Cost	Project Timeline
Engineering / Planning	\$ 15,000	
Right-of-way Acquisition	\$ 5,000	
Construction	\$ 50,000	
Contingency	\$ 10,000	
TOTAL	\$ 80,000	



Not To Scale



SHEET:

JOB:
DATE:

City of Sunset Valley
Lone Oak Trail Turnaround



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160 CREEKSIDE PARK ROAD, SUITE 200
SPRING BRANCH, TX 78070
TBPE FIRM F-21047

PROJECT INFORMATION SHEET

Project Name: Reese Drive Emergency Vehicle Turnaround Enhancements

Type of Improvement: Street

Project Description:

Emergency vehicle turnaround enhancements at the end of Reese Drive (Valley Creek Park). The improvements include extending the pavement 20' to improve emergency vehicle turnaround.



Cost and Project Timeline

Activity	Cost	Project Timeline
Engineering / Planning	\$ 5,000	
Right-of-way Acquisition		
Construction	\$13,000	
Contingency	\$ 2,000	
TOTAL	\$20,000	



SHEET:	<p>City of Sunset Valley Reese Drive Emergency Vehicle Turnaround Enhancements</p>	 <p>Freeland Turk ENGINEERING GROUP 160 CREEKSIDE PARK ROAD, SUITE 200 SPRING BRANCH, TX 78070 TBPE FIRM F-21047</p>	
JOB:			
DATE:			

PROJECT INFORMATION SHEET

Project Name: Oakdale Drive Emergency Vehicle Turnaround Enhancements

Type of Improvement: Street

Project Description:

Emergency vehicle turnaround enhancements at the end of Oakdale Drive. The improvements include widening the pavement to improve the turnaround.

Cost and Project Timeline

Activity	Cost	Project Timeline
Engineering / Planning	\$ 5,000	
Right-of-way Acquisition		
Construction	\$13,000	
Contingency	\$ 2,000	
TOTAL	\$20,000	



Not To Scale



SHEET:

JOB:
DATE:

City of Sunset Valley
Oakdale Drive Emergency Vehicle
Turnaround Enhancements



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160 CREEKSIDE PARK ROAD, SUITE 200
SPRING BRANCH, TX 78070
TBPE FIRM F-21047

PROJECT INFORMATION SHEET

Project Name: Sunflower Trail Cluster Mailbox Pullout

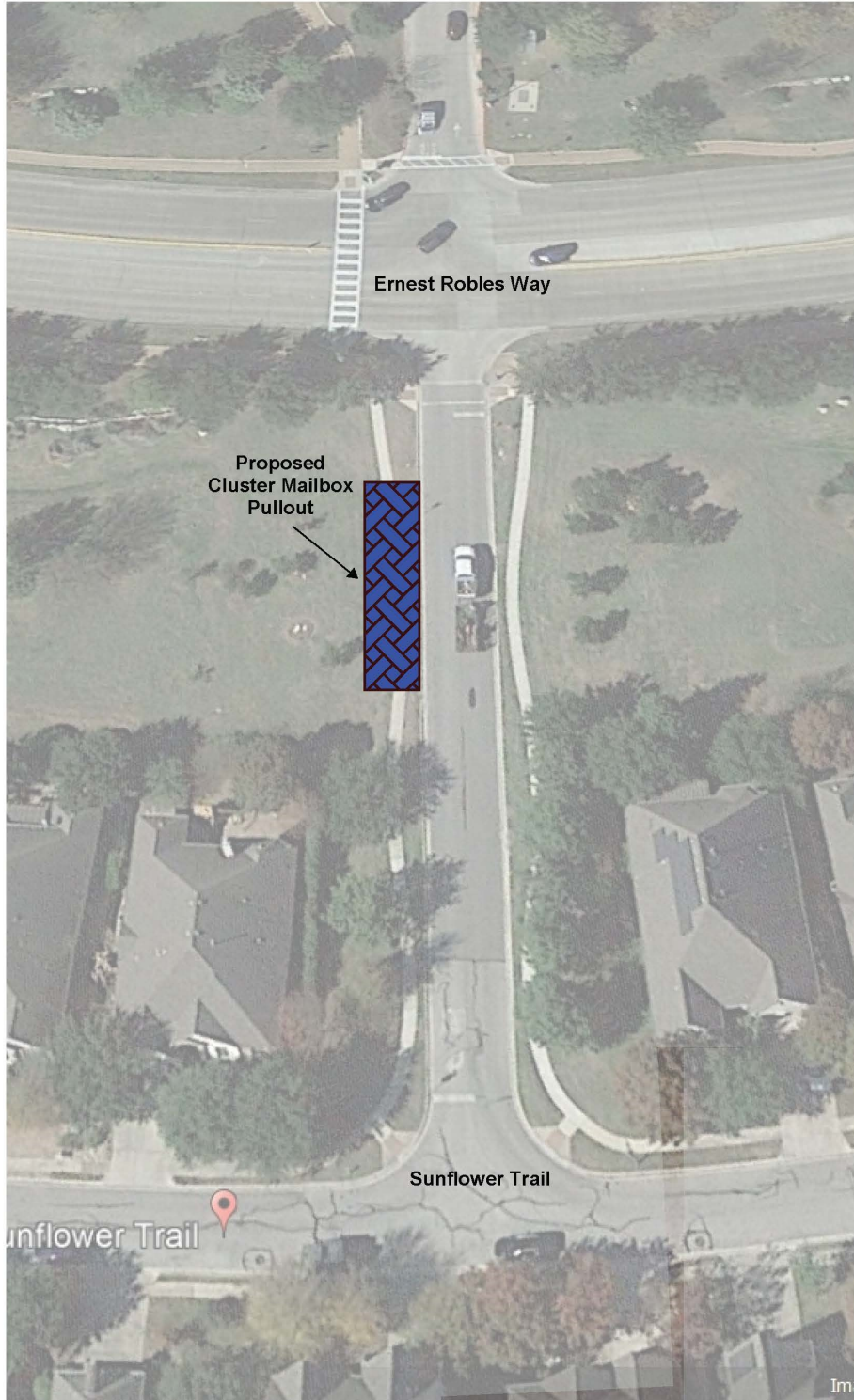
Type of Improvement: Street

Project Description:

Construct pullout for relocated cluster mailboxes for The Villas.

Cost and Project Timeline

Activity	Cost	Project Timeline
Engineering / Planning	\$ 5,000	
Right-of-way Acquisition		
Construction	\$25,000	
Contingency	\$ 5,000	
TOTAL	\$35,000	



Not to Scale

SHEET:

JOB:

DATE:

City of Sunset Valley
Cluster Mailbox Pullout



Freeland Turk
ENGINEERING GROUP

160 CREEKSIDE PARK ROAD, SUITE 200
SPRING BRANCH, TX 78070
TBPE FIRM F-21047

PROJECT INFORMATION SHEET

Project Name: Solar Powered Street Lights

Type of Improvements: Street

Project Description:

Install solar powered, decorative streetlights on Brodie Lane, Ernest Robles Way, US 290, and Jones Road to improve safety, and enhance the aesthetics Sunset Valley's main thoroughfares.

Notable Project Challenges:

- TxDOT Permitting
- Style Choice – Matching existing lights in the City

Cost and Project Timeline

Activity	Cost	Project Timeline
Engineering / Planning	\$ 50,000	
Right-of-way Acquisition		
Construction	\$350,000	
Contingency	\$ 40,000	
TOTAL	\$440,000	



PROJECT INFORMATION SHEET

Project Name: 5-Year Street Maintenance Plan

Type of Improvements: Street

Project Description:

Maintenance of all streets in Sunset Valley including crack sealing, patching, joint repair, micro-surfacing, and mill and overlay.

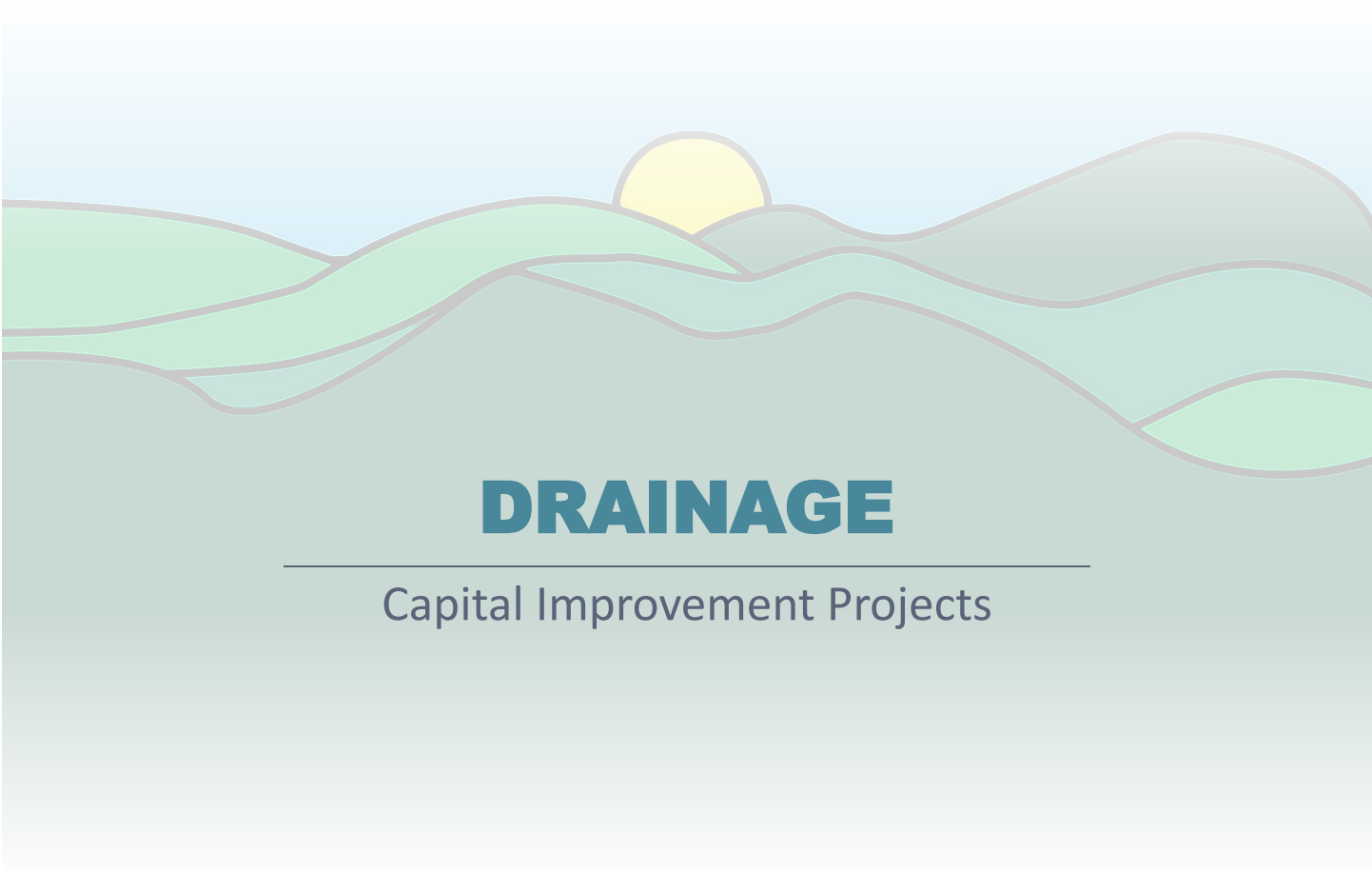


FREELAND TURK ENGINEERING GROUP, LLC FIRM F-21047
 160 CREEKSIDE PARK ROAD, SUITE 160
 SPRING BRANCH, TX 78070 830-377-4555

PROJECT CITY OF SUNSET VALLEY 5-YR STREET MAINTENANCE PROGRAM SUMMARY
 DATE 4/15/2021

5 YR STREET MAINTENANCE PROGRAM

Street Name	Segment	Construction Type	Composite Rating		Lane-Foot (Estimated)	Patching / Joint Repair	Micro-surfacing	Mill & Overlay	5-Year Maintenance Cost
Crack Sealing Program	Citywide				109122.4				\$ 356,970.44
Brodie Lane	Entire	HMAC	59.5	Fair	22387.2				\$ 391,331.33
Ernest Robles Way	S of Jones Road	PCC	63.0	Fair	14439				\$ 213,772.36
Ernest Robles Way	N of Jones	HMAC	76.5	Good	2460				\$ 40,959.00
Jones Road	Entire	HMAC	70.0	Fair	10405				\$ 173,219.84
Home Depot Boulevard	Entire	PCC	66.5	Fair	7300				\$ 113,480.33
Oakdale Drive	Entire	HMAC	86.5	Good	5740				\$ -
Lovegrass Lane	Entire	HMAC	86.5	Good	7600				\$ -
Yellowtail Cove	Entire	HMAC	80.0	Good	3896				\$ -
Curley Mesquite	Entire	HMAC	80.0	Good	774				\$ -
Lone Oak Trail	Entire	HMAC	60.5	Fair	6124				\$ 239,126.08
Pillow Road	N of Jones Road	HMAC	80.0	Good	10466				\$ -
Reese Drive	S of Jones Road	HMAC	73.5	Good	4574				\$ -
Sunset Trail	Entire	HMAC	67.0	Fair	3908				\$ 143,003.49
Clarmac Drive	Entire	HMAC	67.0	Fair	340				\$ -
Sunflower Trail	Entire	HMAC	73.5	Good	4530				\$ -
Muni Complex Parking Lot	Entire	HMAC	83.5	Good	1300				\$ -
Total 5-YR Maintenance Cost									\$ 1,671,862.86



DRAINAGE

Capital Improvement Projects

PROJECT INFORMATION SHEET

Project Name: Lovegrass Water Quality Pond Repairs

Type of Improvements: Drainage

Project Description:

Make repairs and return the water quality pond back to service. The improvements include the installation of a new pump and electrical controls, repair pond leak, and replace stone stack.



Cost and Project Timeline

Activity	Cost	Project Timeline
Engineering / Planning	\$ 10,000	
Right-of-way Acquisition		
Construction	\$ 50,000	
Contingency	\$ 5,000	
TOTAL	\$ 65,000	

PROJECT INFORMATION SHEET

Project Name: Sunset Valley Regional Dam Improvements

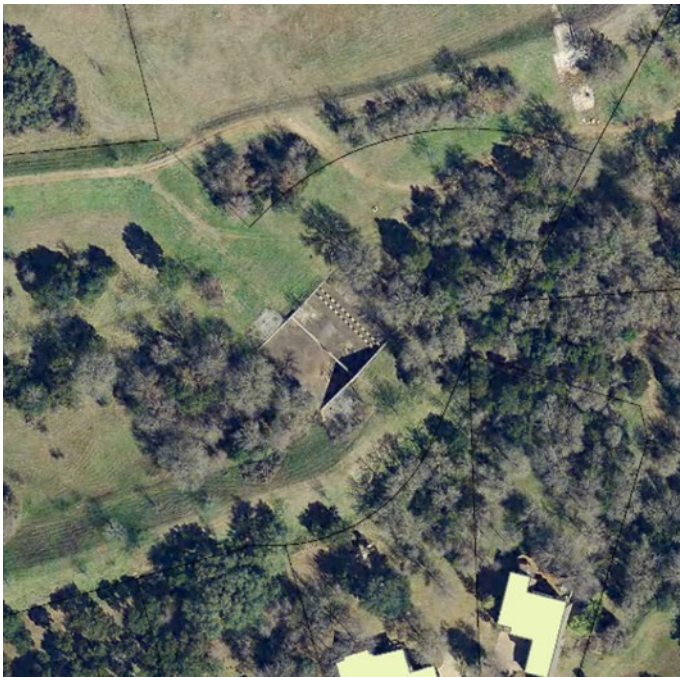
Type of Improvements: Drainage

Project Description:

Spillway modifications to the existing dam structure needed to bring the dam into compliance with TCEQ requirements. The improvements include the construction of a labyrinth spillway.

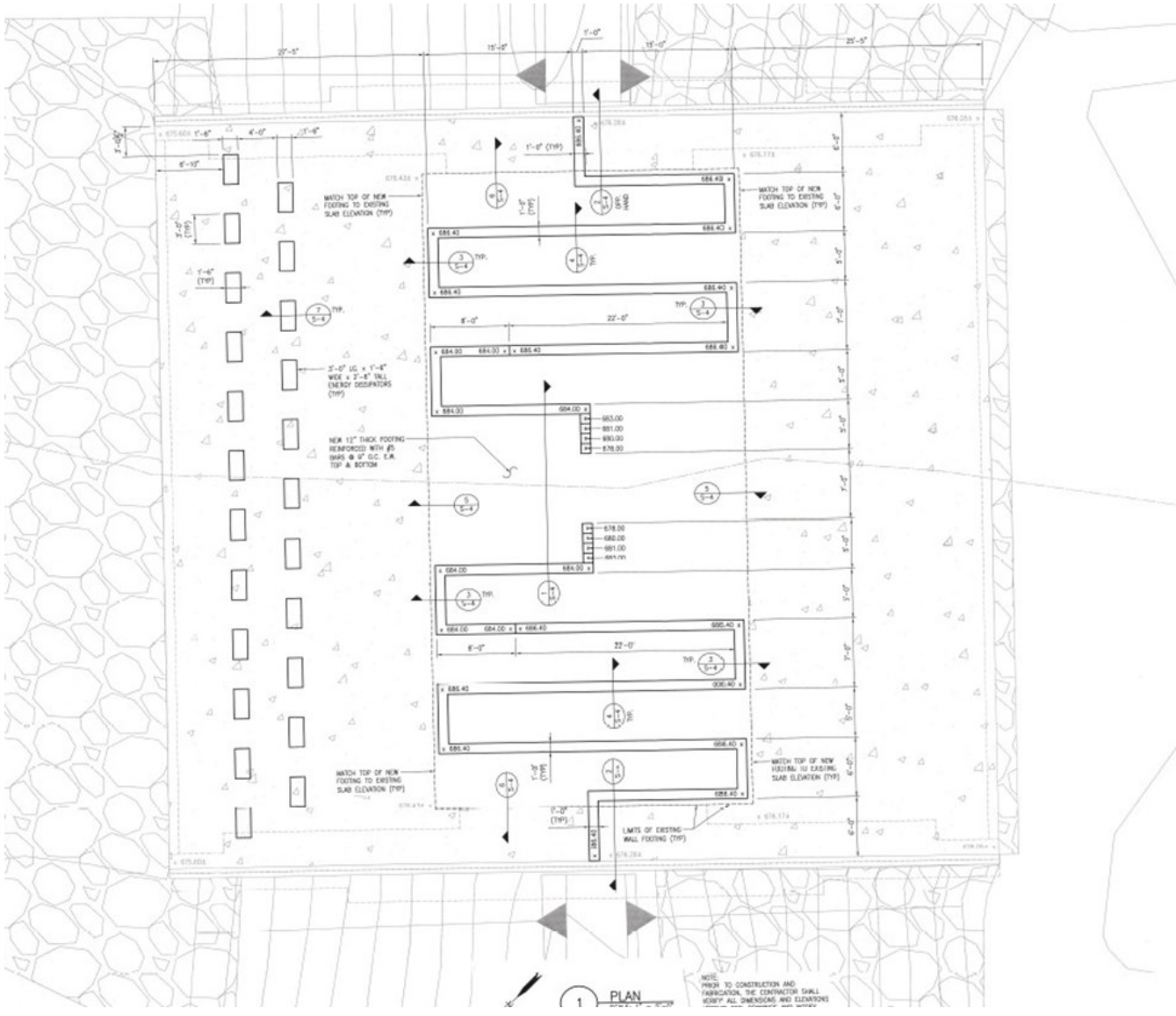
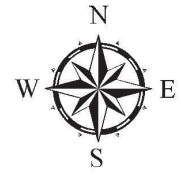
Notable Project Challenges:

- Impact of Atlas 14
- TWDB Grant Application



Cost and Project Timeline

Activity	Cost	Project Timeline
Engineering / Planning	\$ 15,000	
Right-of-way Acquisition	\$ 0	
Construction	\$ 350,000	
Contingency	\$ 50,000	
TOTAL	\$ 415,000	



NOTE:
 PRIOR TO CONSTRUCTION AND
 FABRICATION, THE CONTRACTOR SHALL
 VERIFY ALL DIMENSIONS AND ELEVATIONS

1 PLAN

SHEET:
 JOB:
 DATE:

City of Sunset Valley
 Sunset Valley Regional Dam Improvements



160 CREEKSIDE PARK ROAD, SUITE 200
 SPRING BRANCH, TX 78070
 TBPE FIRM F-21047

PROJECT INFORMATION SHEET

Project Name: Yellow Tail Cove Drainage Improvements

Type of Improvements: Drainage

Project Description:

Drainage improvements to fill in deep roadside ditches on Yellow Tail Cove from Lovegrass Lane to the Yellow Tail Cove cul-de-sac. Improvements include installation of culverts, inlets and reconstructing driveways.

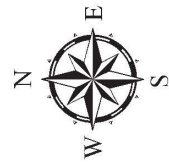
Notable Project Challenges

- Construction will be intrusive to residential lots.
- Project requires several temporary construction easements to reconstruct driveways.



Cost and Project Timeline

Activity	Cost	Project Timeline
Engineering / Planning	\$ 90,000	
Right-of-way Acquisition	\$ 5,000	
Construction	\$600,000	
Contingency	\$ 55,000	
TOTAL	\$750,000	



Not to Scale



Roadside Ditch Improvements

SHEET:

City of Sunset Valley
 Yellow Tail Cove Roadside Drainage
 Improvements

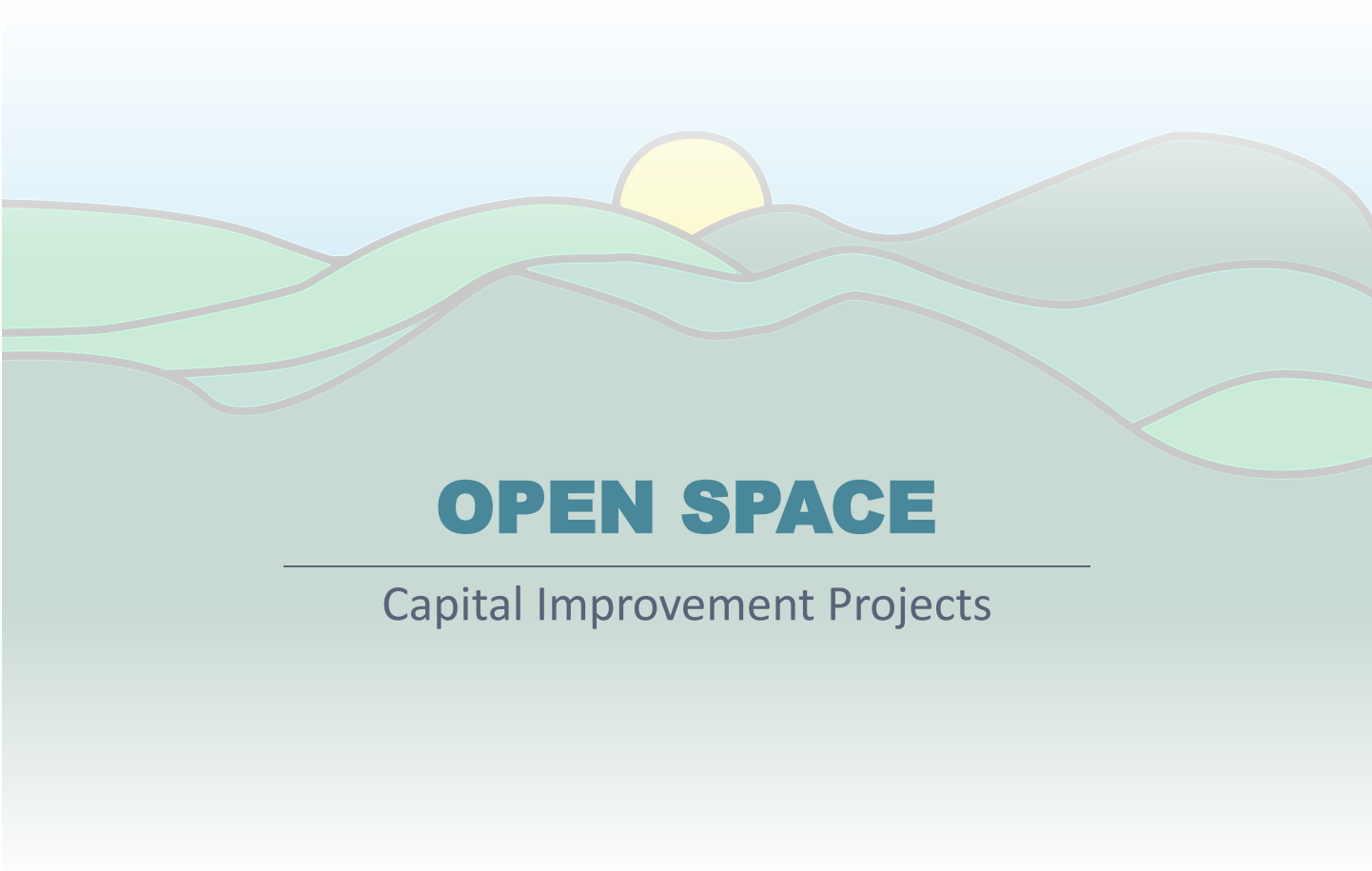
JOB:

DATE:



Freeland Turk
ENGINEERING GROUP

160 CREEKSIDE PARK ROAD, SUITE 200
 SPRING BRANCH, TX 78070
 TBPE FIRM F-21047



OPEN SPACE

Capital Improvement Projects

PROJECT INFORMATION SHEET

Project Name: Valley Creek Park Trail Improvements

Type of Improvement: Open Space

Notable Project Challenges:

Project Description:

- Create a stable trail crossing at the creeks.

Create a trailhead and extend trail across creek to South Hill Conservation Area trail.



Cost and Project Timeline

Activity	Cost	Project Timeline
Engineering / Planning	\$ 5,000	
Right-of-way Acquisition		
Construction	\$30,000	
Contingency	\$ 5,000	
TOTAL	\$40,000	

Not to Scale



 New Trail

Pillow Drive

Reese Drive



SHEET:

City of Sunset Valley

Valley Creek Park Trail

JOB:

DATE:



Freeland Turk
ENGINEERING GROUP

160 CREEKSIDE PARK ROAD, SUITE 200
SPRING BRANCH, TX 78070
TBPE FIRM F-21047

PROJECT INFORMATION SHEET

Project Name: Burger Center Trail Improvements

Type of Improvements: Open Space

Project Description:

Complete the trail around the Burger Center, including improvements along Ernest Robles Way, US 290, and MSG Horrigan Drive. This project connects to the Uplands development.

Notable Project Challenges:

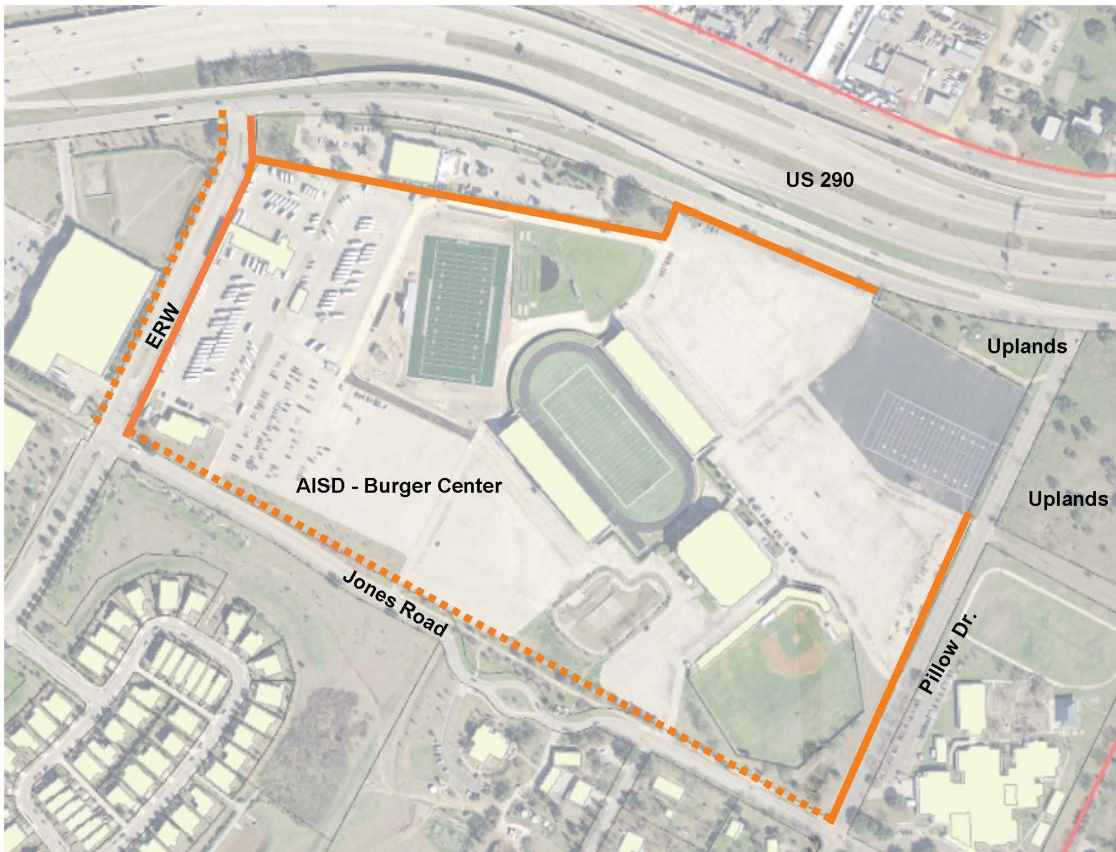
- Pedestrian easement acquisition from AISD and 4715 S. Lamar and possible permit from TxDOT.
- Coordinating improvements with AISD and 4715 S. Lamar future re-development plans.

Cost and Project Timeline

Activity	Cost	Project Timeline
Engineering / Planning	\$ 50,000	
Right-of-way Acquisition	\$ 80,000	
Construction	\$300,000	
Contingency	\$ 40,000	
TOTAL	\$470,000	



- Existing Trail
- New Trail



SHEET:
 JOB:
 DATE:

City of Sunset Valley
 Burger Center Trail



Freeland Turk
ENGINEERING GROUP
 160 CREEKSIDE PARK ROAD, SUITE 200
 SPRING BRANCH, TX 78070
 TBPE FIRM F-21047

PROJECT INFORMATION SHEET

Project Name: Uplands Tract Development

Type of Improvements: Open Space

Project Description:

Construct additional open space improvements at the Uplands Tract. The improvements include trails, farmers market, market pavilion, art walk, picnic area, restrooms, visitor plaza, parking, outdoor classroom, signage, urban farm, and concert venue.



Cost and Project Timeline

Activity	Cost	Project Timeline
Engineering / Planning	\$ 130,000	
Right-of-way Acquisition	\$ 0	
Construction	\$1,300,000	
Contingency	\$ 150,000	
TOTAL	\$1,580,000	

PROJECT INFORMATION SHEET

Project Name: Upper Cougar Creek Tract Development

Type of Improvements: Open Space

Project Description:

Construct additional open space improvements at Upper Cougar Creek. The improvements include trails, interactive art, picnic area, open area, parking, streetscape, educational areas, amphitheater lawn, ponds, fountains, observation/fishing dock, and pedestrian bridges.

Notable Project Challenges:

- Water source for ponds and fountains
- Easement / access acquisition
- Parking



Cost and Project Timeline

Activity	Cost	Project Timeline
Engineering / Planning		
Right-of-way Acquisition		
Construction		
Contingency		
TOTAL	\$ TBD	

PROJECT INFORMATION SHEET

Project Name: Dog Park

Type of Improvements: Open Space

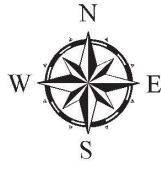
Project Description:

Construct one dog park selected from various locations, owned by the City of Sunset Valley, to provide a safe place to exercise dogs and enhance the quality of life.



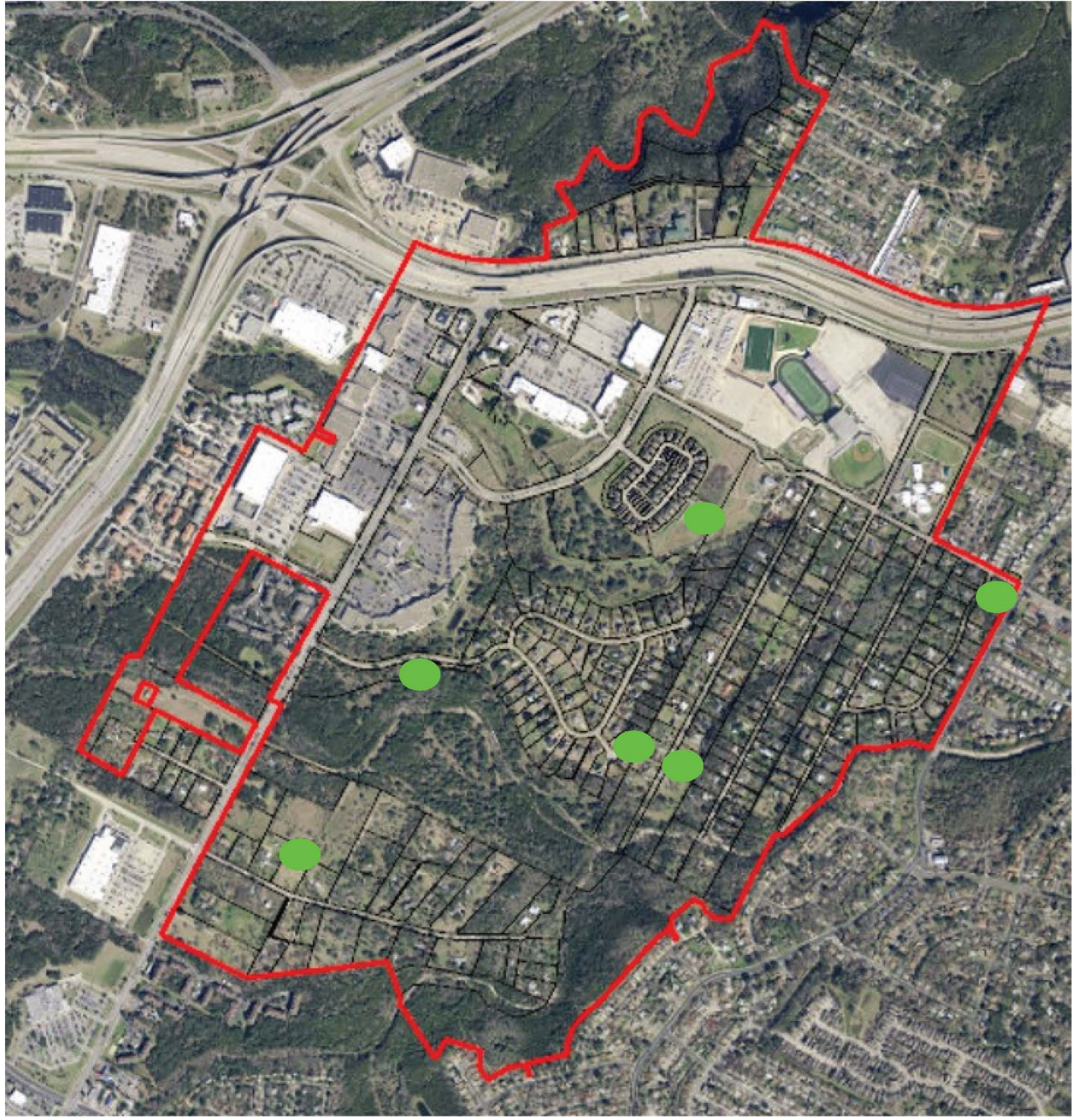
Cost and Project Timeline

Activity	Cost	Project Timeline
Engineering / Planning	\$ 15,000	
Right-of-way Acquisition		
Construction	\$ 75,000	
Contingency	\$ 10,000	
TOTAL	\$100,000	



● Potential Dog Park Locations

Not To Scale



SHEET:
JOB:
DATE:

City of Sunset Valley
Dog Parks



Freeland Turk
ENGINEERING GROUP
160 CREEKSIDE PARK ROAD, SUITE 200
SPRING BRANCH, TX 78070
TBPE FIRM F-21047



FACILITIES

Capital Improvement Projects

PROJECT INFORMATION SHEET

Project Name: Standby Power for City Hall and Public Works

Type of Improvements: Facilities

Project Description:

Provide electricity to City Hall and Public Works facilities during power outages. The improvements include installing generators and manual transfer switches at all three buildings.

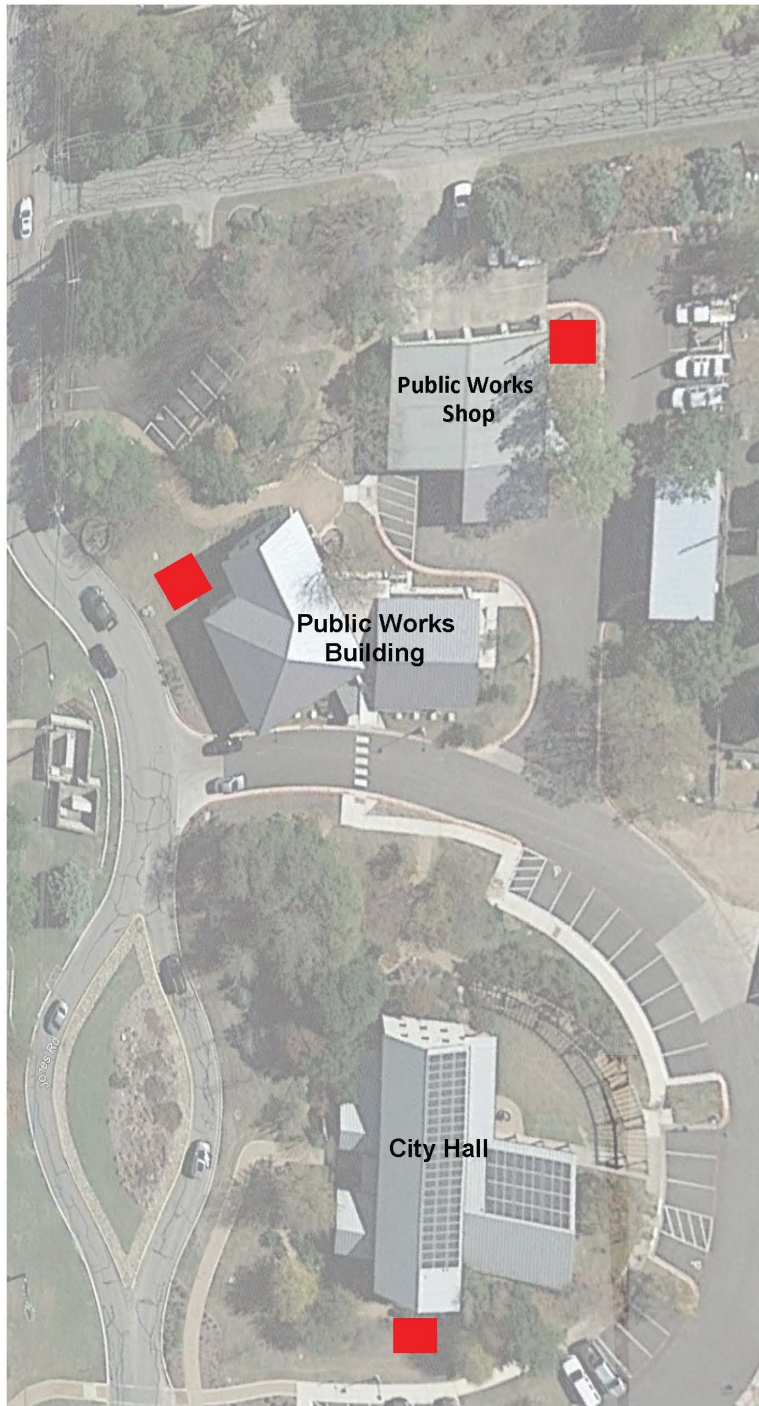
Notable Project Challenges:

- Aesthetics of generator placement for City Hall and the Public Works Building



Cost and Project Timeline

Activity	Cost	Project Timeline
Engineering / Planning	\$ 45,000	
Right-of-way Acquisition	\$ 0	
Construction	\$400,000	
Contingency	\$ 55,000	
TOTAL	\$500,000	



Not to Scale

 Generator and Transfer Switch

SHEET:

City of Sunset Valley

JOB:

Standby Power
for
City Hall and Public Works

DATE:



Freeland Turk
ENGINEERING GROUP

160 CREEKSIDE PARK ROAD, SUITE 200
SPRING BRANCH, TX 78070
TBPE FIRM F-21047