



CITY OF FAIR OAKS RANCH UPDATE ON FY21-22 STREETS PROJECTS

JULIO COLUNGA
ASSISTANT DIRECTOR OF PUBLIC WORKS
CITY OF FAIR OAKS RANCH
JANUARY 20, 2022



UPDATE ON FY21-22 STREET PROJECTS AGENDA

Update on FY21-22 Approved Budget

- ❖ \$1M Street Maintenance Plan
- ❖ \$175k Dietz Elkhorn Safety Enhancements



UPDATE ON FY21-22 STREET PROJECTS

ANNUAL STREET MAINTENANCE BUDGET

FY21-22 Street Maintenance Plan Breakdown (\$1M Total)

- \$850,000 Maintenance / Construction Budget
- \$150,000 Roadway Repair & Safety Improvements
 - ❖ Replace Pavement Markings and RPM's
 - ❖ Patching, Level-Ups, Crack Sealing
 - ❖ Signage, Miscellaneous Safety Projects, Contingency



UPDATE ON FY21-22 STREET PROJECTS

ANNUAL STREET MAINTENANCE BUDGET

Curve Safety Treatments

- Proposed Raised Pavement Markings (RPM's)
 - ❖ ~ 30' Spacing on Straightaways
 - ❖ ~ 20' Spacing on Curves
- Install / Adjust Chevron Signs
- Supplemental Safety Signage
- Initial Roadways:
 - ❖ Rolling Acres Trail
 - ❖ Post Oak Trail
 - ❖ Meadow Creek Trail



UPDATE ON FY21-22 STREET PROJECTS

ANNUAL STREET MAINTENANCE BUDGET

Curve Safety Treatments

Chevron Signage



Existing Conditions: Meadow Creek Trail



Proposed Conditions: Meadow Creek Trail

➤ **Total of 50 Signs Estimated @ \$800/EA ~ \$40,000**



UPDATE ON FY21-22 STREET PROJECTS

ANNUAL STREET MAINTENANCE BUDGET

Curve Safety Treatments

Raised Pavement Markings (RPMs)

Rolling Acres Trail

- Straightaways ~ 530 RPMs
 - Curves ~ 270 RPMs
- Total ~ 800 RPMs

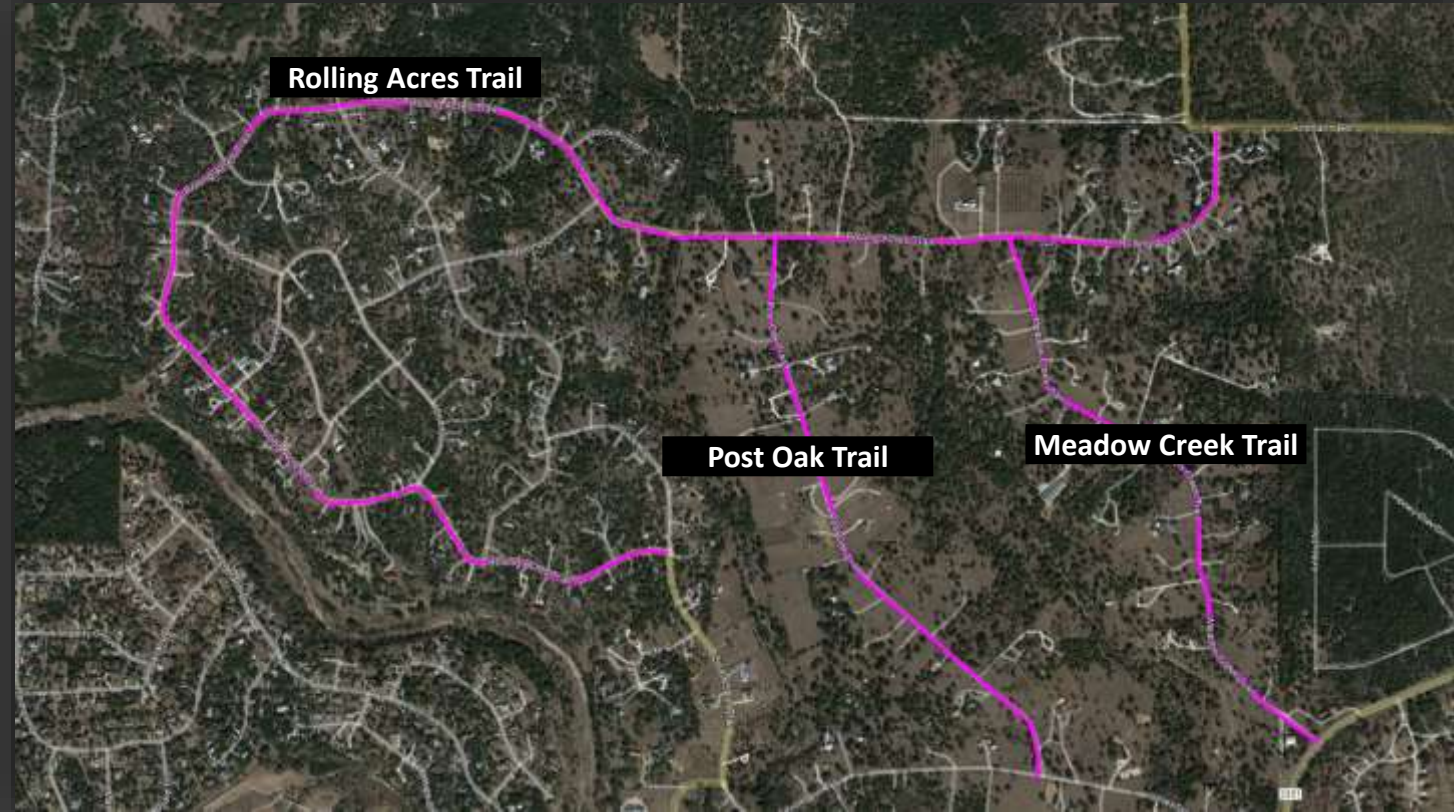
Post Oak Trail

- Straightaways ~ 150 RPMs
 - Curves ~ 50 RPMs
- Total ~ 200 RPMs

Meadow Creek Trail

- Straightaways ~ 150 RPMs
 - Curves ~ 100 RPMs
- Total ~ 250 RPMs

➤ **TOTAL RPMS ~ 1,250 RPMS @ \$10/EA ~ \$12,500**

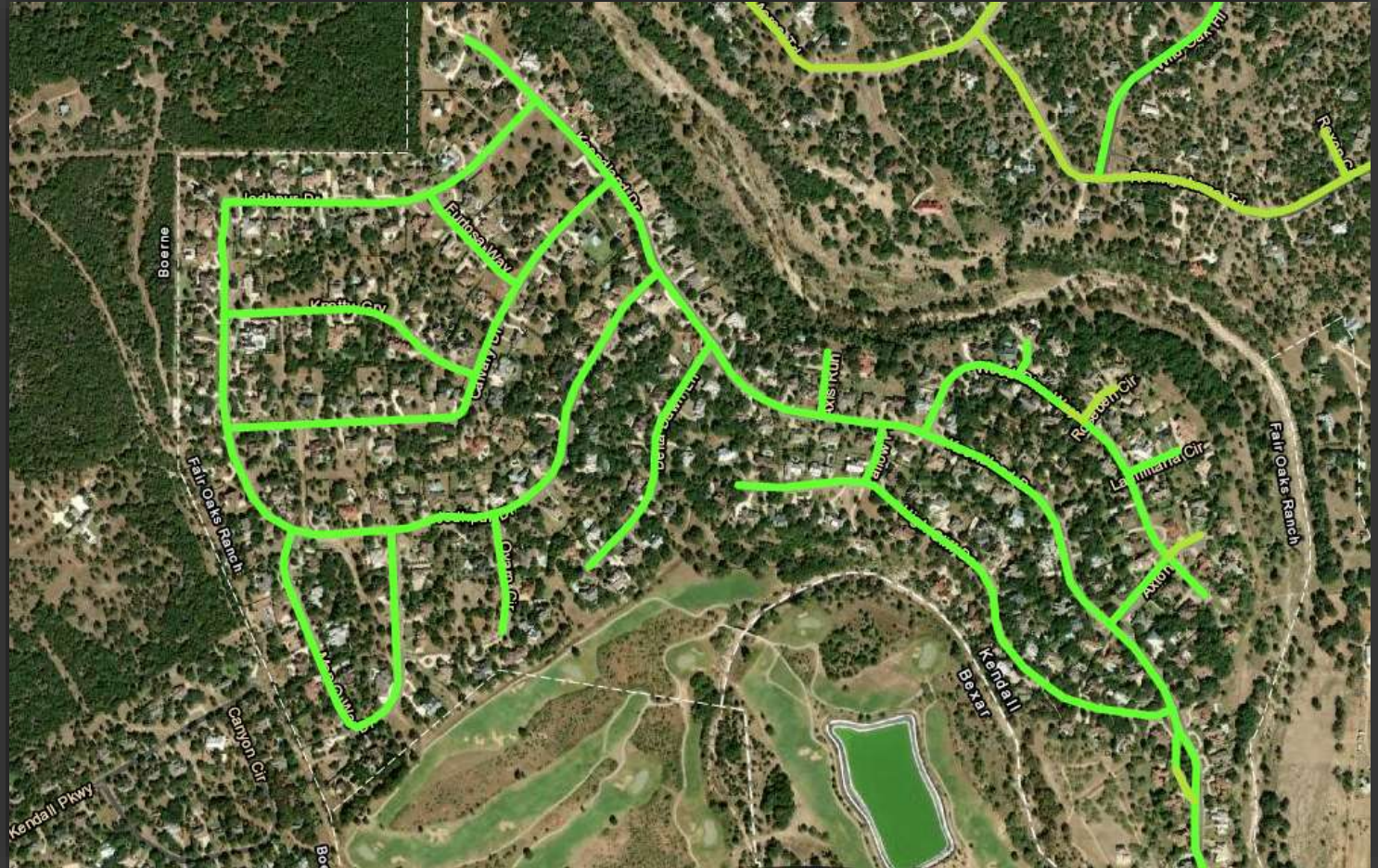


UPDATE ON FY21-22 STREET PROJECTS

ANNUAL STREET MAINTENANCE BUDGET

Deer Meadow Estates

- Install Final Pavement Markings
- Install Final Raised Pavement Markers (RPMs)



UPDATE ON FY21-22 STREET PROJECTS

ANNUAL STREET MAINTENANCE BUDGET

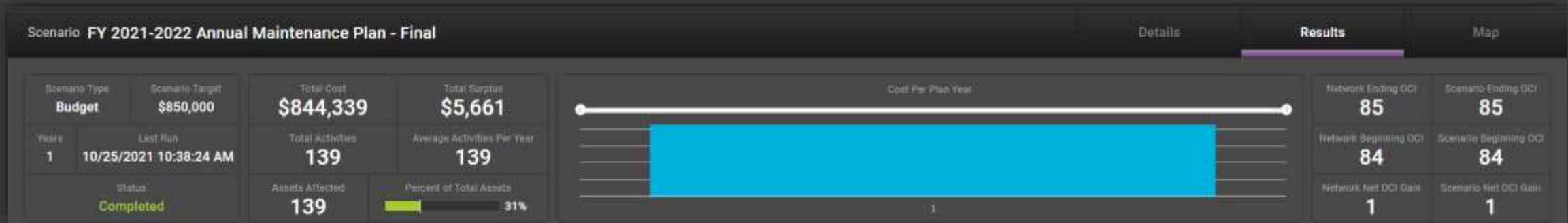
FY21-22 Street Maintenance Plan (\$850k Total)

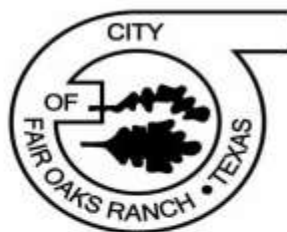
FOG Seal (TRMSS) = \$198,128.32

Mill & Overlay = \$9,606.07

Slurry Seal Type 3 (30# SY) = \$636,604.77

Total Cost = \$844,339.00





FAIR OAKS RANCH PAVEMENT RESTORATION

INDEX OF SHEETS

<u>SHEET NO.</u>	<u>DESCRIPTION</u>
1	TITLE SHEET
2	GENERAL NOTES
3	QUANTITIES
4 - 10	PLAN SHEETS
11	PAVEMENT DETAILS
12 - 14	PAVEMENT MARKING STANDARDS
15 - 26	TCP STANDARDS



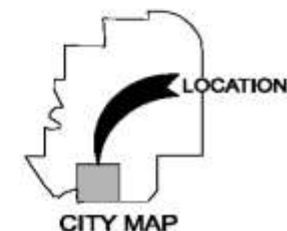
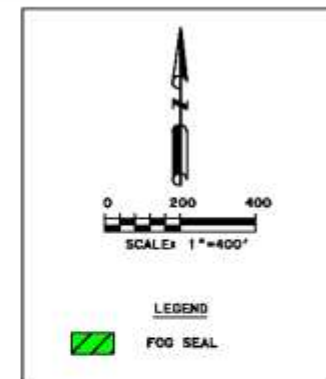
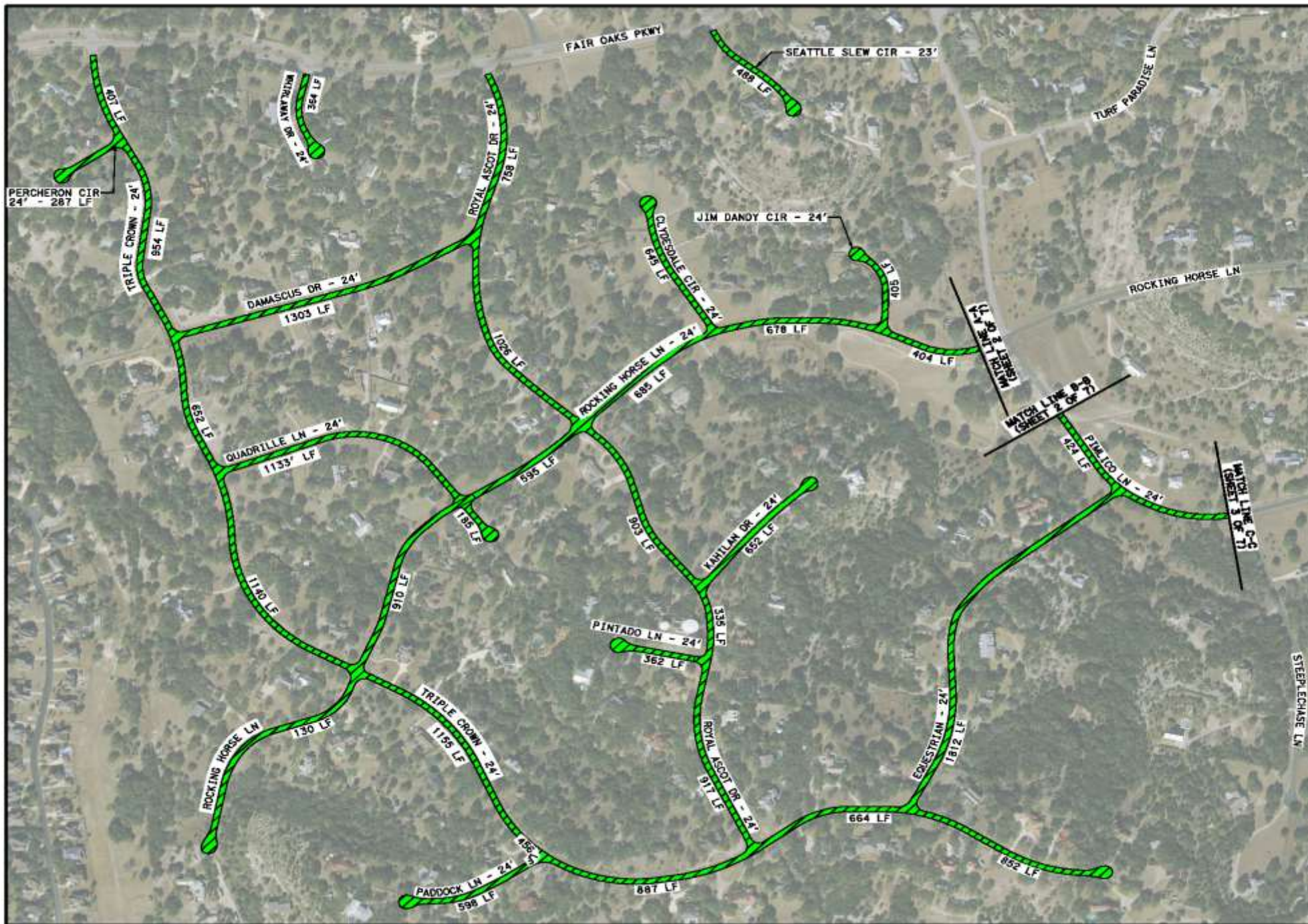
LOCATION MAP



1/12/22



DATE: 1/12/22

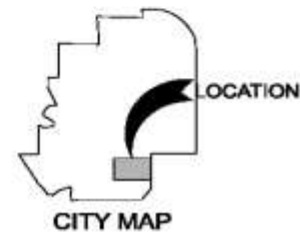
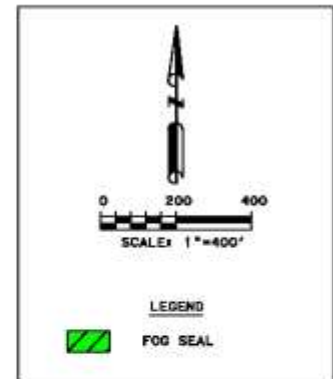
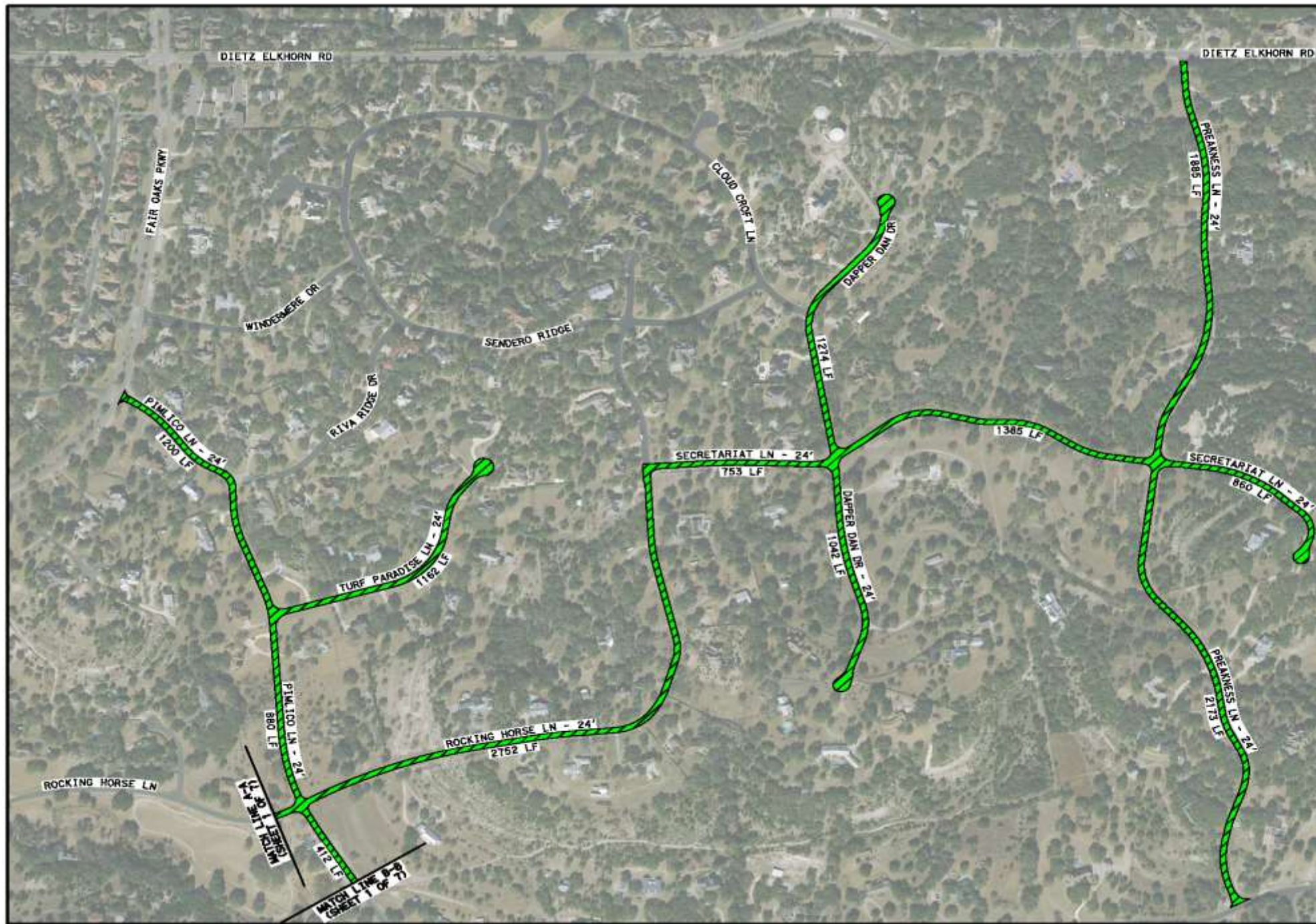


Legacy Engineering Group, PLLC
7800 W Interstate 35, Ste. 630, San Antonio, Texas 78230, 210.493.8700
TDP# FPM Registration No. 70873

**FAIR OAKS RANCH
PAVEMENT RESTORATION
(FOG SEAL)**

SHEET 1 OF 7

FILE NO.	PROJECT NO.	SHEET
8	-	4
STATE	COUNTY	
TEXAS	BEKAR, COMAL, & KENDALL	
CONT.	JOE	ROADWAY
-	-	VARIOUS

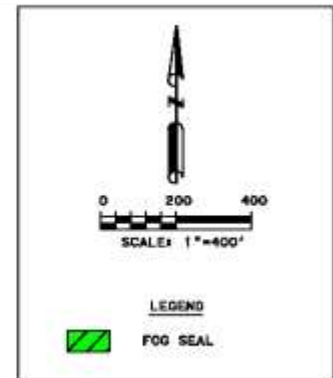
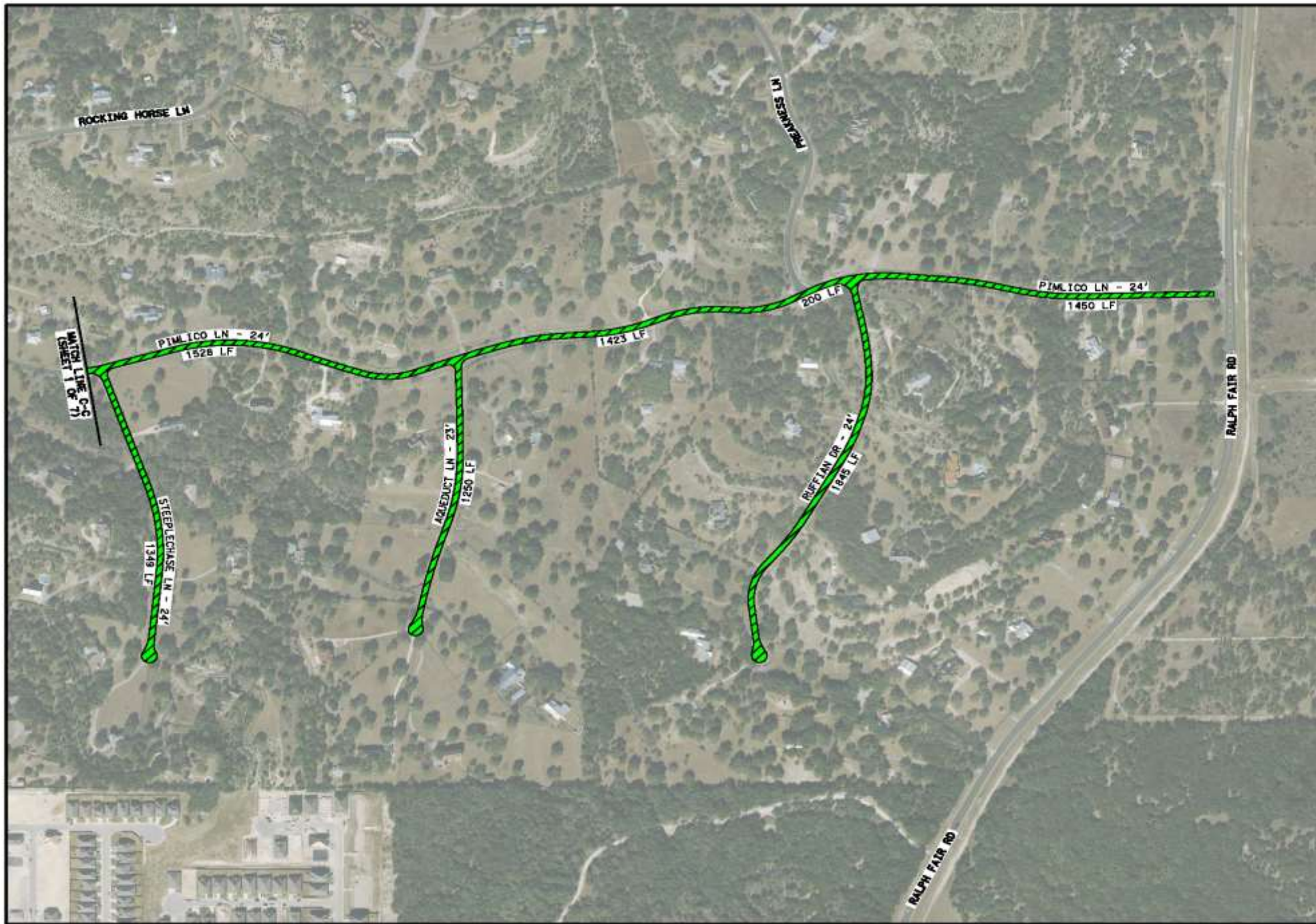


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7800 W Interstate 35, Ste. 830, San Antonio, Texas 78230, 210-493-8700
TSP# Firm Registration No. 206273

**FAIR OAKS RANCH
PAVEMENT RESTORATION
(FOG SEAL)**

SHEET NO.		PROJECT NO.		SHEET
8		-		8
STATE	DIST.	COUNTY		
TEXAS	SAT	BEXAR, COMAL, & KENDALL		
CONT.	SECT.	ROADWAY		
-	-	VARIOUS		

SHEET 2 OF 7



LEGEND
FOG SEAL

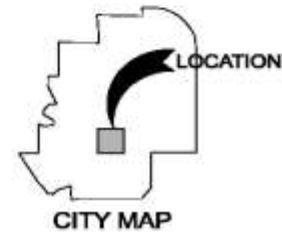
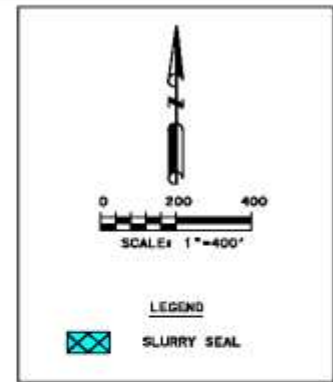
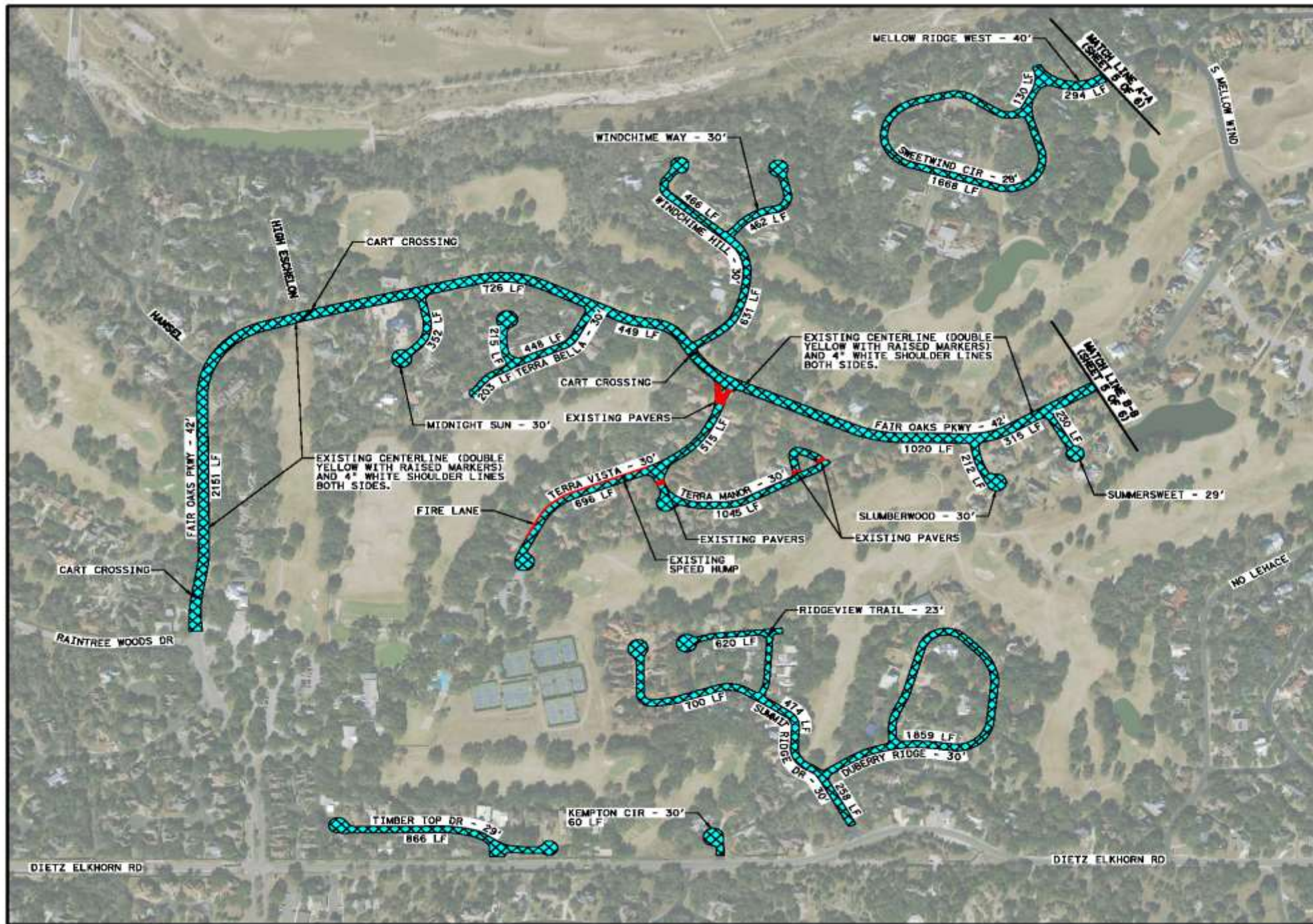


Legacy Engineering Group, PLLC
7800 W Interstate 35, Ste. 830, San Antonio, Texas 78230, 210.453.3700
TSP# Firm Registration No. 20623

**FAIR OAKS RANCH
PAVEMENT RESTORATION
(FOG SEAL)**

PROJECT NO.				SHEET	
8	-			8	8
STATE	DEPT.	COUNTY			
TEXAS	SAT	BEXAR, COMAL, & KENDALL			
CONT.	SECT.	JOB	ROADWAY		
-	-	-	VARIOUS		

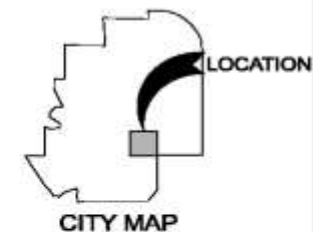
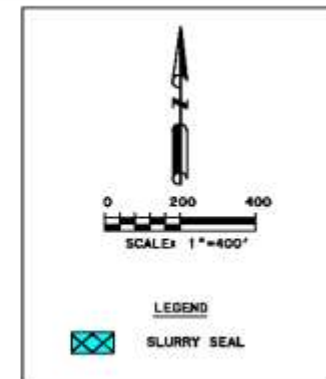
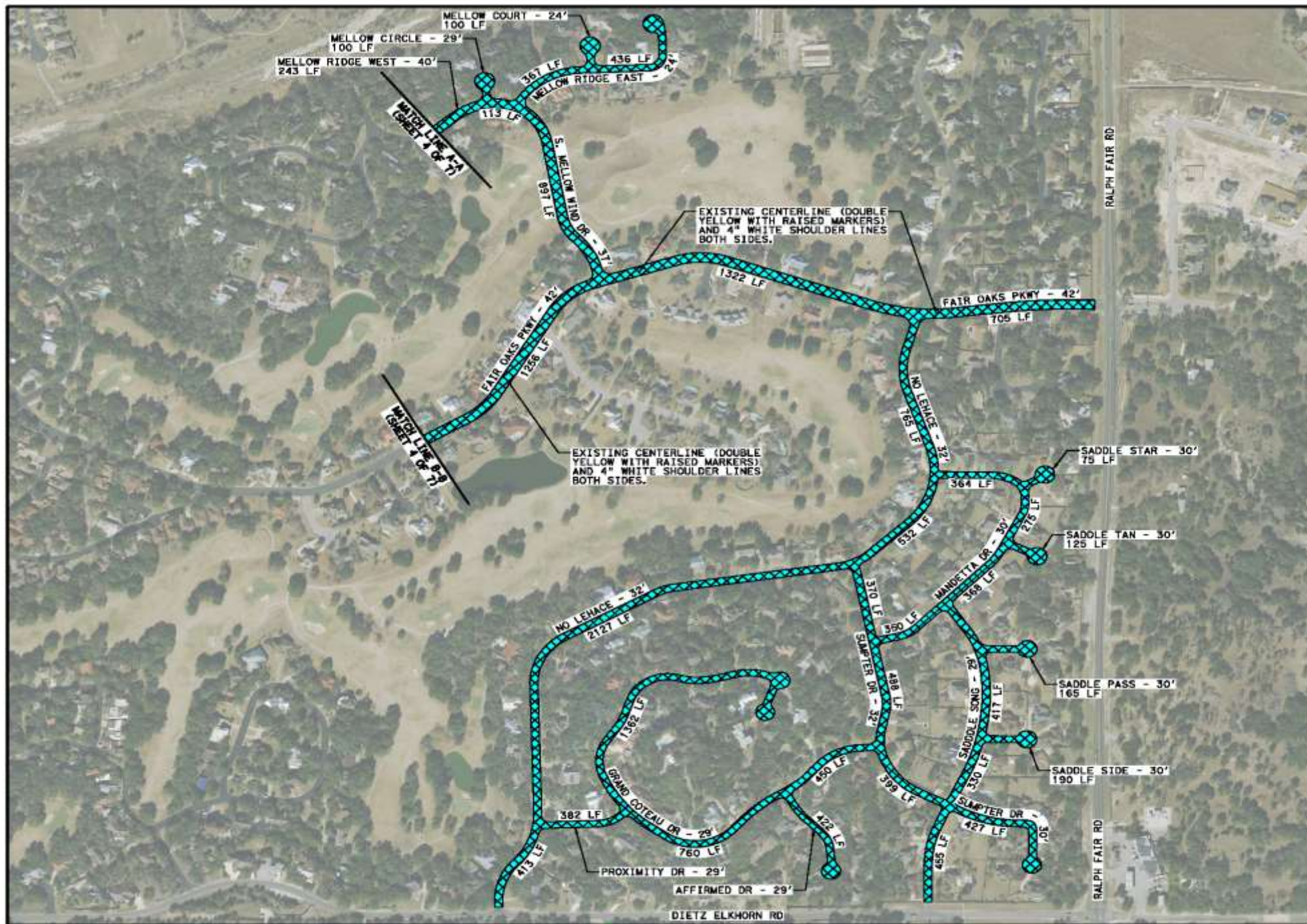
SHEET 3 OF 7



Legacy Engineering Group, PLLC
7800 W Interstate 10, Ste. 450, San Antonio, Texas 78226, 210-483-8700
Texas Professional Registration No. 20823

FAIR OAKS RANCH PAVEMENT RESTORATION (SLURRY SEAL)

FIG. NO.		PROJECT NO.		SHEET 4 OF 6	
6	7	-	-	7	7
STATE	COUNTY	COUNTY			
TEXAS	BEXAR	BEXAR, COMAL & KENDALL			
CONTRACT	SECTION	JOB		ROADWAY	
-	-	-		VARIOUS	





LEGACY
ENGINEERING GROUP

Legacy Engineering Group, PLLC
7800 W Interstate 35, Ste. 830, San Antonio, Texas 78230, 210-493-5700
TDD: 210-493-5700

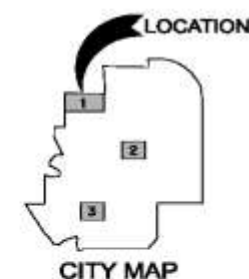
FAIR OAKS RANCH
PAVEMENT RESTORATION
(SLURRY SEAL)

SHEET 5 OF 7

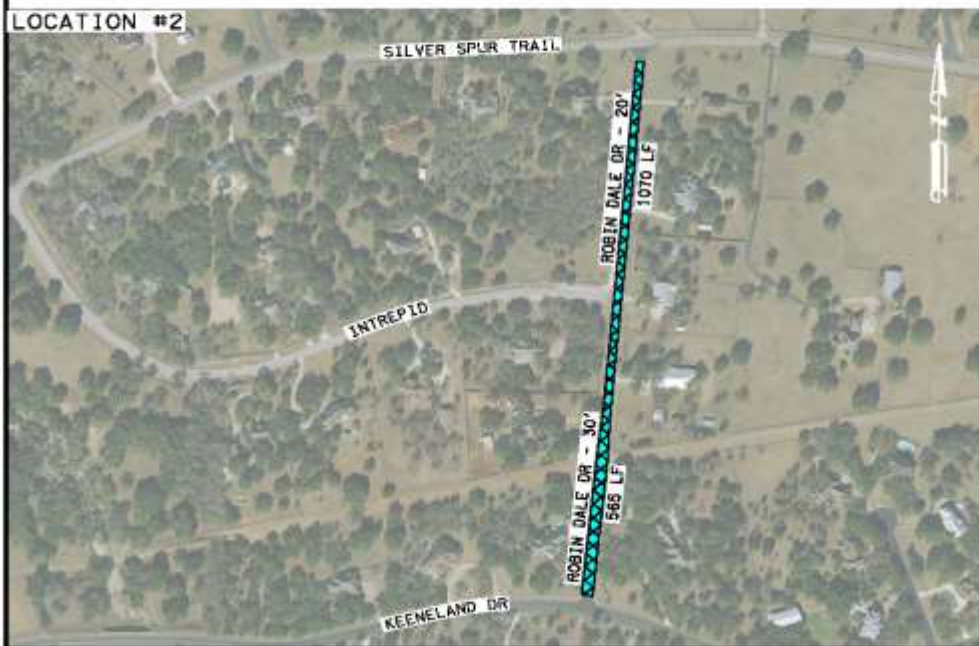
FIG. NO.		PROJECT NO.		SHEET
6		-		6
STATE		COUNTY		
TEXAS		BEKAR, COMAL, & KENDALL		
CONTRACT		ROADWAY		
-		VARIOUS		

SHEET 6 OF 7

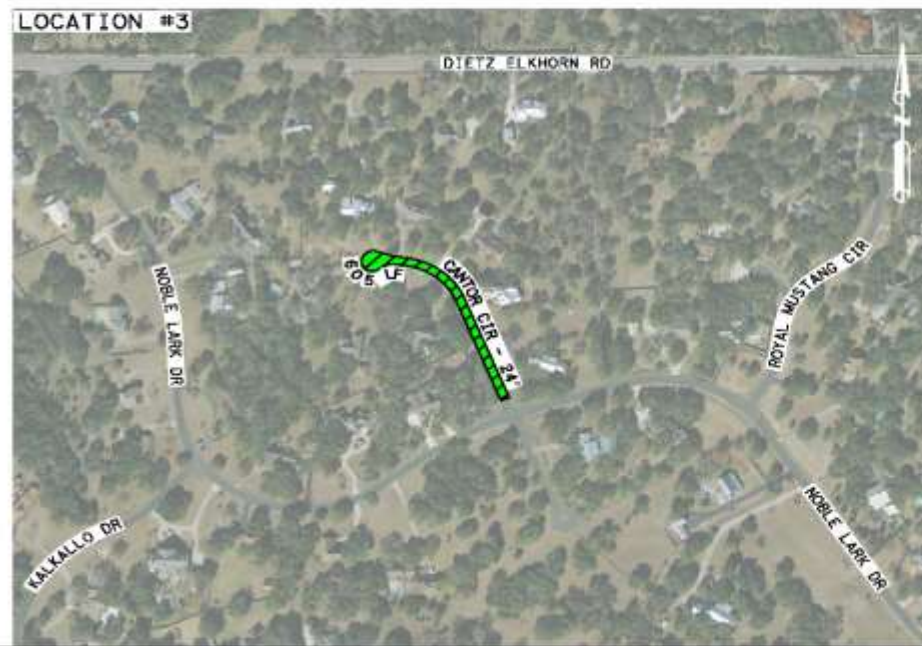
LOCATION #1



LOCATION #2



LOCATION #3





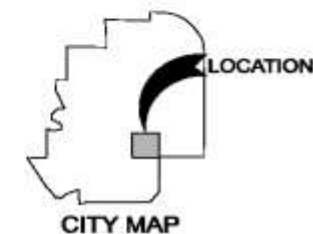
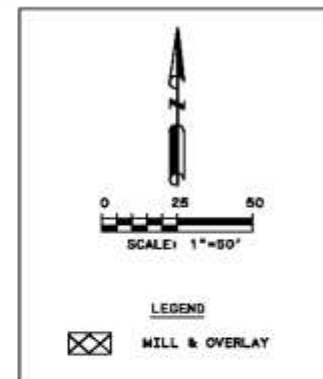
LEGACY
ENGINEERING GROUP

Legacy Engineering Group, PLLC
7800 W Interstate 35, Ste. 600, San Antonio, Texas 78230, 210.453.3700
TSP# Firm Registration No. 208219

FAIR OAKS RANCH
PAVEMENT RESTORATION
(FOG & SLURRY SEAL)

PROJECT NO.		SHEET	
6		9	
STATE	CITY	COUNTY	
TEXAS	SAC	BEXAR, COMAL, & KENDALL	
CONT.	SECT.	JOB	ROADWAY
		VARIOUS	

SHEET 6 OF 7



GENERAL NOTES:

1. CONTRACTOR SHALL PROVIDE ACCESS TO ALL RESIDENCES DURING CONSTRUCTION.
2. ALL TEMPORARY TRAFFIC CONTROL DEVICES, ETC. SHALL BE PROVIDED BY THE CONTRACTOR WITHOUT DIRECT PAYMENT, UNLESS OTHERWISE NOTED OR STATED.



Legacy Engineering Group, PLLC
7800 W Interstate 35, Ste. 630, San Antonio, Texas 78230, 210.493.5700
TSP# Firm Registration No. 20873

**FAIR OAKS RANCH
PAVEMENT RESTORATION
(MILL & OVERLAY)**

SHEET NO.		PROJECT NO.		SHEET
6		-		10
STATE	COUNTY			
TEXAS	SAC	BEXAR, COMAL, & KENDALL		
CONTRACT	SUBJECT	JOB	ROADWAY	
-	-	-	VARIOUS	

UPDATE ON FY21-22 STREET PROJECTS

DIETZ ELKHORN SAFETY ENHANCEMENTS

Boerne ISD Coordination

- Coordination Meeting Held on 11/30/21
 - Discussed Van Raub ES and Fair Oaks Ranch ES Operations
- New Drone Footage Collected on 12/08/2021
- Coordination Meeting Held on 12/16/21
 - New Drone Footage Presented to BISD Chief Operations Officer and Transportation Director
 - Discussed BISD Bond Program & Potential Intersection Improvements at Chartwell/Saddle Song



UPDATE ON FY21-22 STREET PROJECTS

DIETZ ELKHORN SAFETY ENHANCEMENTS

Van Raub ES

- Discussed spillback of traffic onto Dietz Elkhorn during afternoon pick-up period
- School personnel will focus on optimizing pick-up operations
- Right-turn lane extension will be reanalyzed in spring



UPDATE ON FY21-22 STREET PROJECTS

DIETZ ELKHORN SAFETY ENHANCEMENTS

Fair Oaks Ranch Elementary School

- Discussed issues with existing crosswalk (that is currently protected by officers)
- Went over potential intersection improvements / realignment



UPDATE ON FY21-22 STREET PROJECTS

DIETZ ELKHORN SAFETY ENHANCEMENTS

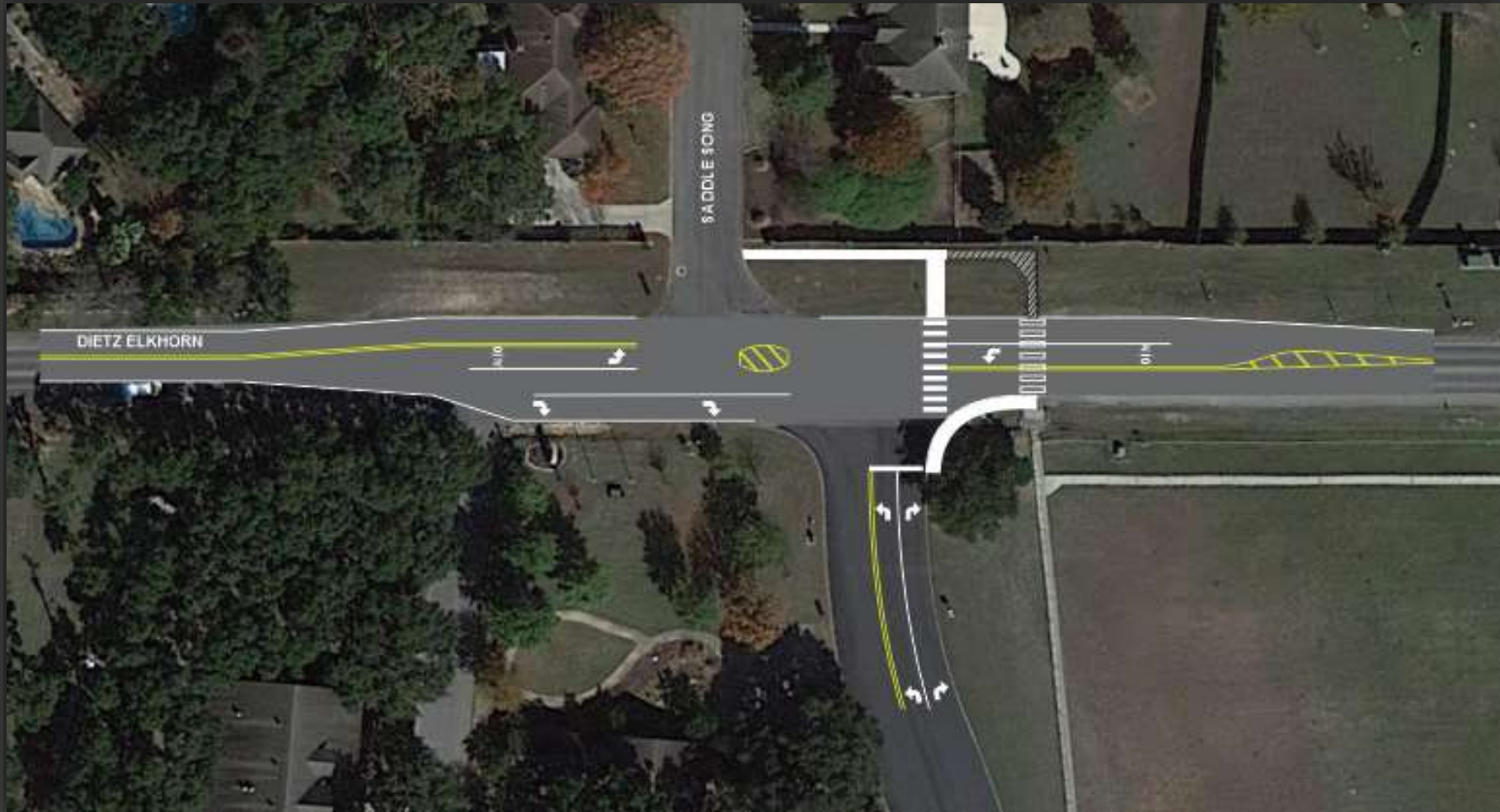
Chartwell Lane / Saddle Song Intersection Improvements

- Realign Crosswalk to Enhance Safety w/Pedestrian Actuated Devices
- Reconfigure Intersection to Include Deceleration Lane
- Coordinate with Boerne ISD at Fair Oaks Ranch Elementary School



UPDATE ON FY21-22 STREET PROJECTS

DIETZ ELKHORN SAFETY ENHANCEMENTS



Option A - Preliminary Estimate @ \$125,000



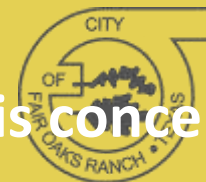
UPDATE ON FY21-22 STREET PROJECTS

DIETZ ELKHORN SAFETY ENHANCEMENTS



Option B - Preliminary Estimate @ \$300,000

City staff will meet with impacted neighborhood if Council likes this concept



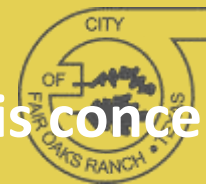
UPDATE ON FY21-22 STREET PROJECTS

DIETZ ELKHORN SAFETY ENHANCEMENTS



Option B - Preliminary Estimate @ \$300,000

City staff will meet with impacted neighborhood if Council likes this concept





CITY OF FAIR OAKS RANCH UPDATE ON FY21-22 STREETS PROJECTS QUESTIONS/COMMENTS/INPUT FROM COUNCIL



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