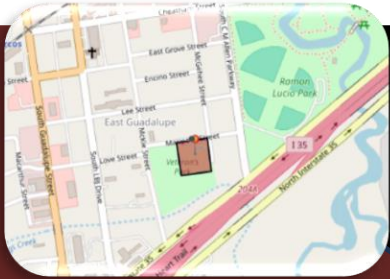


C2 – 07 SKATE PLAZA FOR SAN MARCOS

EDGAR I. FRAGOSO
SPONSORED BY: THE CITY OF SAN MARCOS

PROJECT OVERVIEW

Our project aims to transform Veterans Park in San Marcos, into a European-style skate plaza. Inspired by European plazas, our design integrates skateboarding culture with urban life.



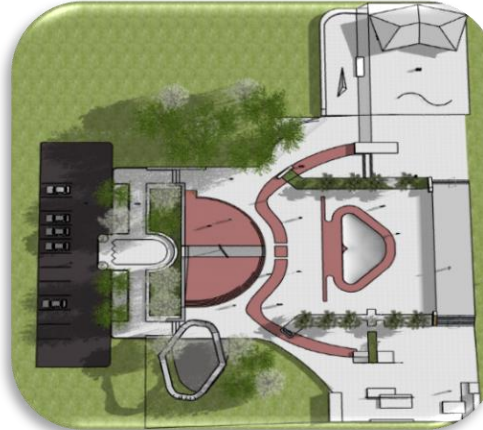
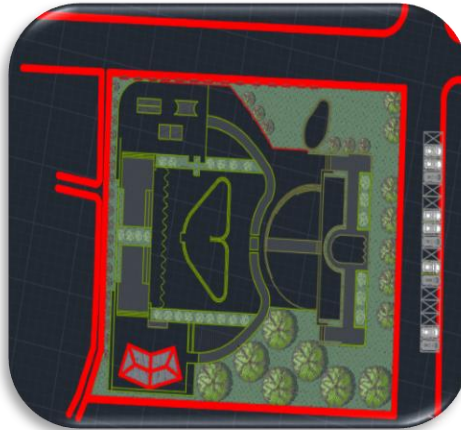
CONSTRAINTS & STANDARDS

1. ASTM International - American Society for Testing and Materials
2. SPAUSA - Skate Park Association USA
3. IASC - International Association of Skateboard Companies
4. NRPA - National Recreation and Park Association
5. ADA - Americans with Disabilities Act

SUSTAINABILITY FRAMEWORK

- Integration of green infrastructure for stormwater management.
- Promotion of community engagement and inclusivity.
- Focus on long-term resilience and durability of the skate park infrastructure.

Design Visuals



SUMMARY ON COSTS

		MATERIALS AND LABOR COSTS	VALUES
TOTAL SQUARE FOOTAGE	60,000	CONCRETE COST PER SQUARE FOOT	\$ 100.00
COST PER SQUARE FOOT	\$ 40.00	ESTIMATED QUANTITY OF CONCRETE	60000
CONSTRUCTION COST	\$ 2,400,000.00	TOTAL CONCRETE COST	\$ 6,000,000.00
ADDITIONAL COST PERCENTAGE	15%	STEEL COST PER POUND	\$ 2.00
ADDITIONAL COSTS	\$ 360,000.00	ESTIMATED WEIGHT OF STEEL	50000
ANNUAL O&M COSTS	\$ 100,000.00	TOTAL STEEL COST	\$ 100,000.00
PROJECT LIFESPAN	10 YEARS	SKATELITE PANELS PER PANEL	\$ 150.00
		ESTIMATED PANELS FOR SKATELITE	500
		TOTAL SKATELITE COST	\$ 75,000.00
		MISCELLANEOUS MATERIAL COST	\$ 25,000.00
		CONSTRUCTION WORKERS NUMBER	20
		LABOR HOUR PER WORKER	1000
		HOURLY WAGE PER WORKER	\$ 8.00
		TOTAL CONSTRUCTION LABOR COST	\$ 160,000.00
		SKILLED WORKER NUMBER	5
		SKILLED LABOR HOURS	500
		HOURLY WAGE PER WORKER	\$ 35.00
		TOTAL CONSTRUCTION LABOR COST	\$ 87,500.00

Square-foot size of skatepark X \$55
=
Skatepark Creation Cost Estimate
+/- Project Cost Factors

Structural Infrastructure Analysis

1. Analysis on skate park elements.
2. Incorporation standards and safety regulations.
3. Design – Auto CAD 2D design and Sketchup 3D visualization
4. Material selection based on durability, cost, sustainability.

Retention Wall for Erosion

1. Survey and soil analysis.
2. Design details and plans.
3. Material selection proper for retention wall.
4. Construction specifications and techniques.
5. Costs analysis on Trap Bags.



Edgar I. Fragoso

