

EL MODENA HIGH SCHOOL

Pool Repair Options



El Modena High School



AQUATIC DESIGN GROUP: FIRM PROFILE

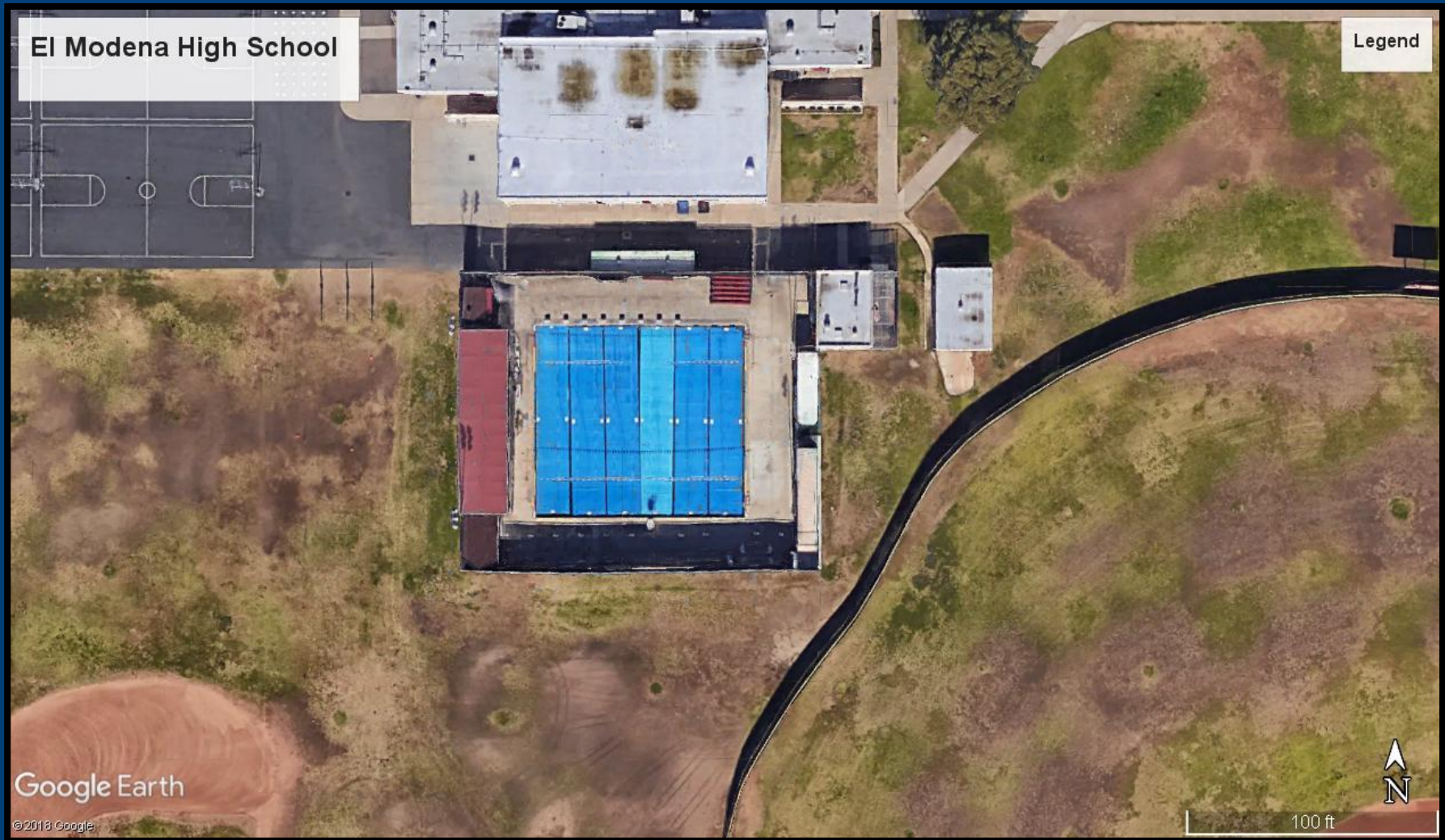
- 💧 Firm Founded in 1984
- 💧 Industry Involvement:
 - 💧 Competitive Facilities
 - 💧 Recreational Facilities
 - 💧 Leisure Facilities
- 💧 500 Completed High School Pools
- 💧 Over 3,000 Completed Projects



El Modena High School



Current El Modena HS Pool Issues



Current El Modena HS Pool Issues

- 💧 Pool Leaking Approximately 3,000 Gallons Per Day
- 💧 Pool Filtration Lacks Code Required 6-Hour Turnover
- 💧 Pool Lacks Code Required Floor Inlets
- 💧 Pool Main Drains Not Large Enough
- 💧 Racing Platforms at Water Depth Too Shallow
- 💧 Pool Lacks ADA Access
- 💧 Pool Deck Not ADA Compliant
- 💧 Pool Gutter Does Not Meet Code Standards

Typical Area High School Programs

- 💧 Competitive Swimming
- 💧 Water Polo
- 💧 Physical Education
- 💧 Local Swim Teams
- 💧 Community Uses

Pool Design Considerations

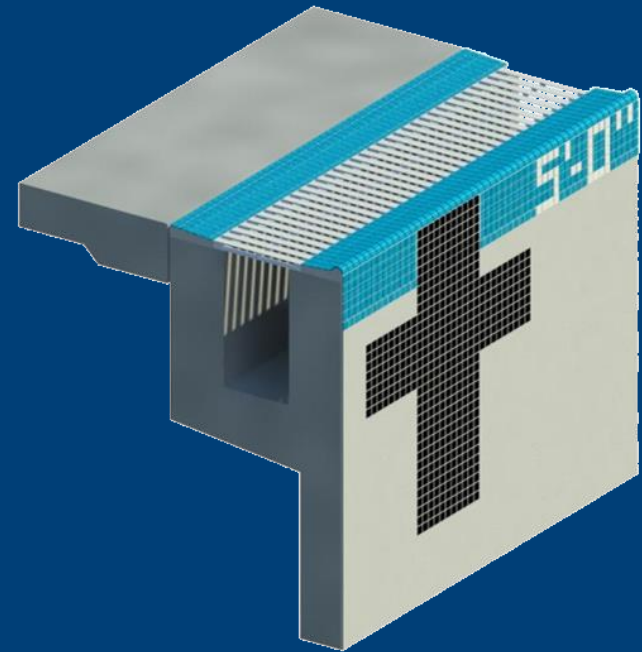
- 💧 Pool Size
- 💧 Water Depths
- 💧 Gutter Configuration
- 💧 Deck Area Requirements
- 💧 Outdoor Storage Spaces
- 💧 Indoor Storage Spaces
- 💧 Ancillary Buildings

Pool Construction Method Options



Pre-Manufactured Pool
Myrtha Pool Option

Traditional Shotcrete Pool



Myrtha Pool Option



L.A. Olympic Trials

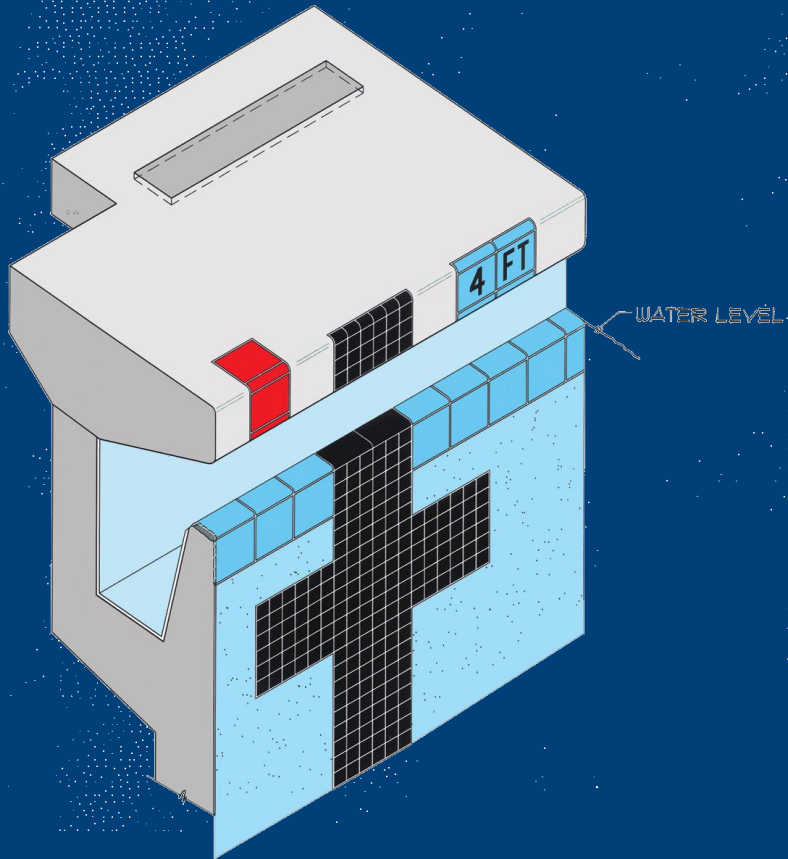


Crafton Hills College

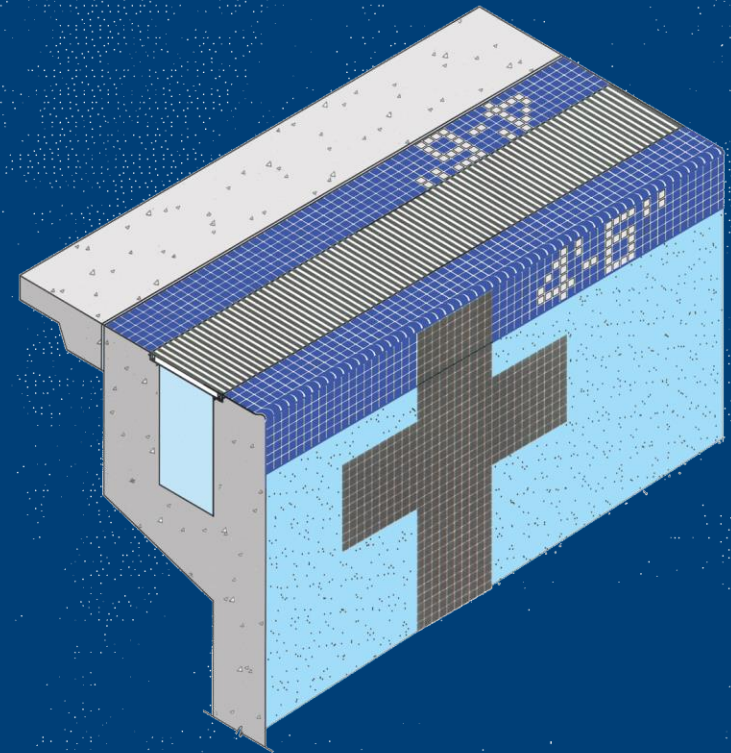
Carmel High School



El Modena High School



Cantilever Gutter



Rim-Flow Gutter

FEATURE	25-Meter	33-Meter	50-Meter
Length	82'	108'	164'
Surface Area (Sq. Ft.)	6,200	8,168	12,350
Number of 7' Lanes	11	15	23
Max Swimmers 7' Lanes	66	90	138
Number of 8' Lanes	10	13	20
Max Swimmers 8' Lanes	60	72	120
Maximum Occupancy	310	408	617
Wall Goal H ₂ O Polo	1	2	3
Floating Goal H ₂ O Polo	N0	25Y, 25M	25Y, 25M 30M

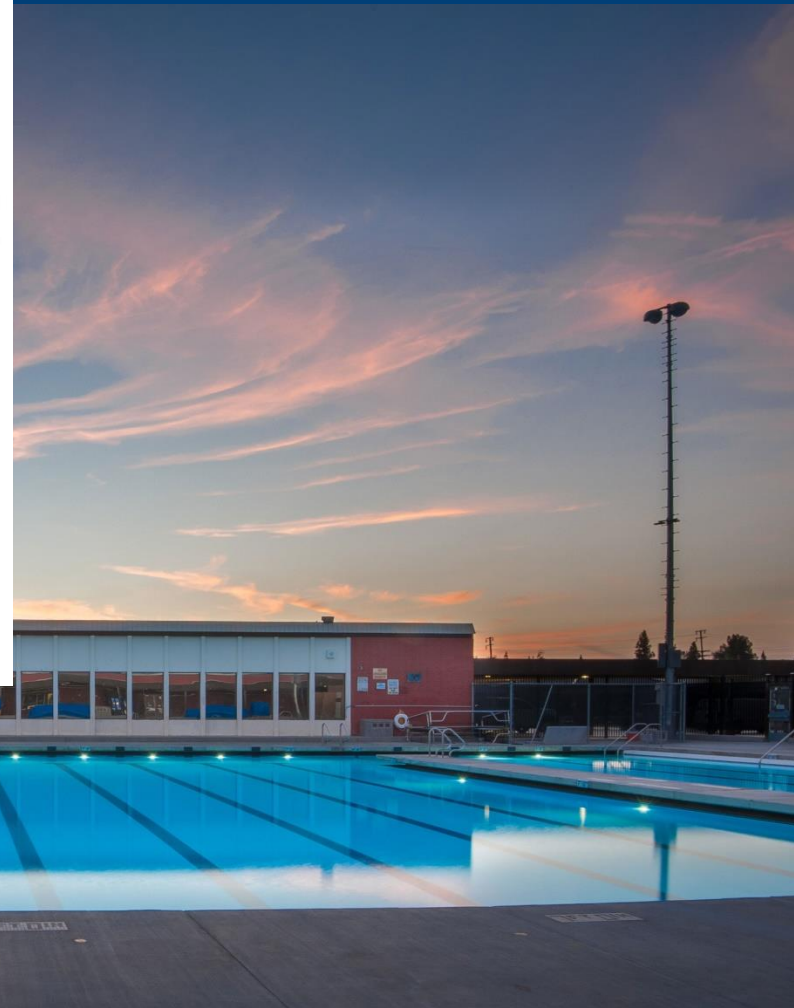
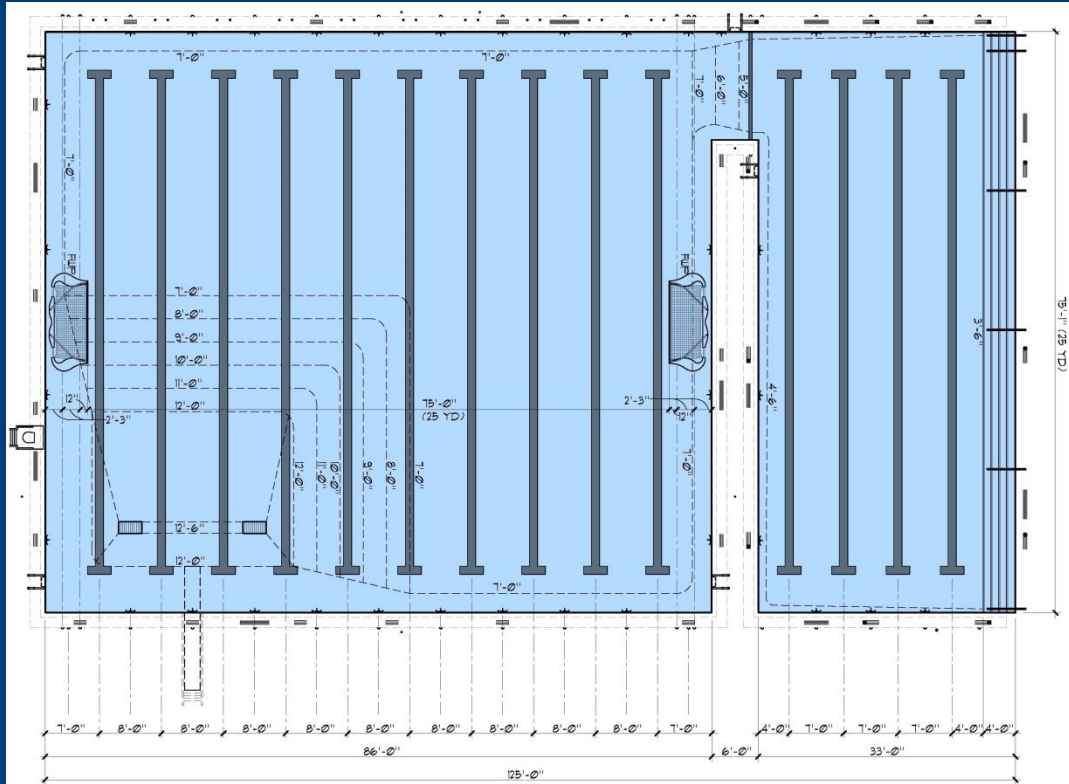


*Mountain View High School
Mountain View, California : 33-Meter*

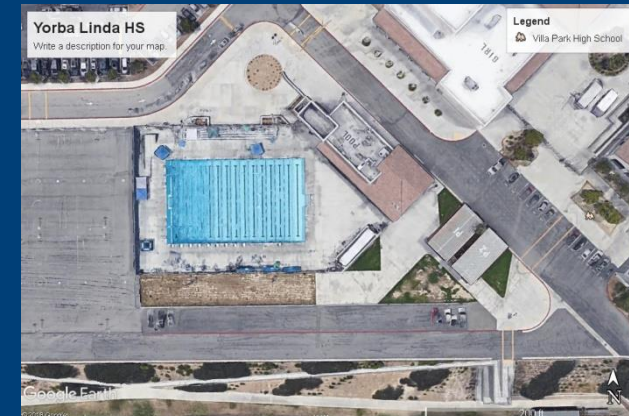
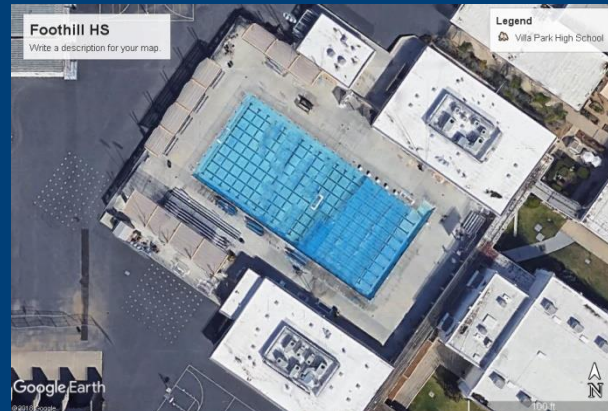
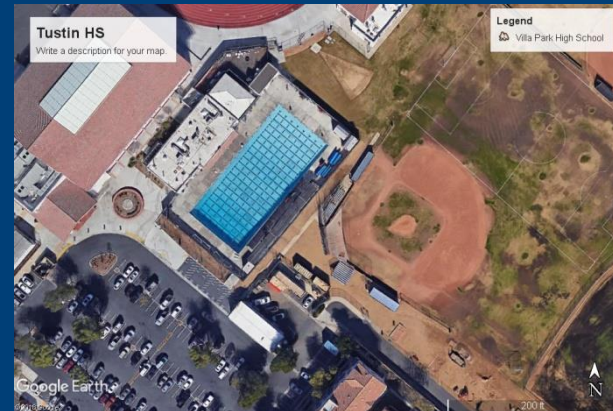
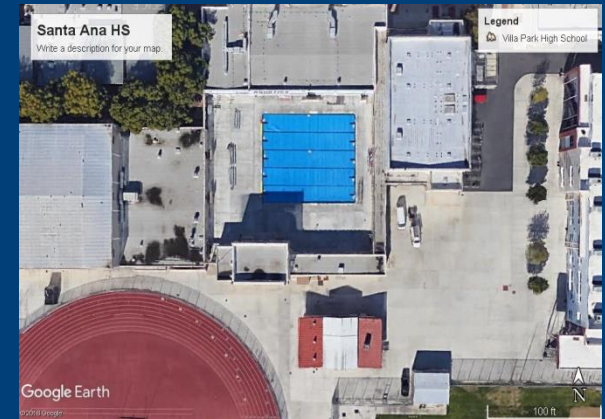
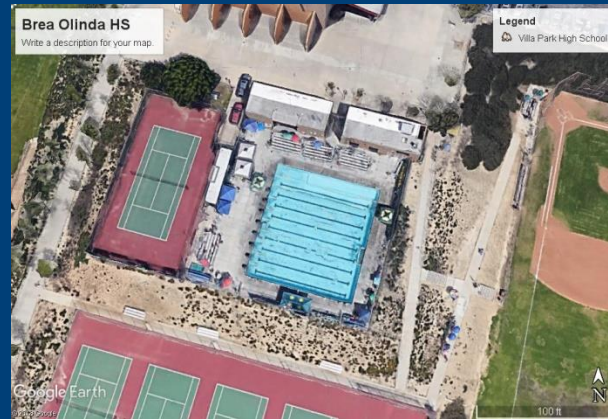




*Fremont High School
Sunnyvale, California: 50-Meter*



Competing League Facilities



Competing League Facilities

FACILITY	POOL SIZE	Lanes	FLOATING H ₂ O POLO	WALL GOAL H ₂ O POLO
Esperanza HS	25M x 25YD	11	No	Yes
Foothill HS	50M x 25YD	20	Yes	Yes
Santa Ana HS	25M x 25YD	10	No	Yes
Garden Grove HS	25M x 25YD	10	Yes	Yes
Los Amigos HS	6-Lane	6	No	No
Tustin HS	50M x 25YD	20	Yes	Yes
Villa Park HS	25M x 25YD	11	No	Yes
Brea Olinda HS	25M x 25YD	11	No	Yes
Canyon HS	25M x 25YD	11	Yes	Yes
Yorba Linda HS	37M x 25YD	15	Yes	Yes
El Dorado HS	35M x 25YD	12	Yes	Yes
Bolsa Grande HS	6-Lane	6	No	No

Competing League Facilities

- 💧 25-Meter Pools = 50%
- 💧 50-Meter Pools = 16.7%
- 💧 6-Lane Pools = 16.7%
- 💧 30+ Meter Pools = 16.7%

Pool Annual Utility Operating Cost

25m: \$113,500 (Current)

33m: \$128,000

50m: \$160,000

El Modena HS Pool Repair/Replacement Options

BASED ON INDUSTRY STANDARDS

💧 <u>Repair/Modernization Estimate:</u>		\$2,342,127.50
💧 <u>Replacement (25m x 25yd):</u>		\$3,264,570.00
💧 <u>Replacement (33m x 25yd):</u>		\$3,933,154.80
💧 <u>Replacement (33m x 25yd):</u>	Myrtha	\$4,878,154.80
💧 <u>Replacement (50m x 25yd):</u>		\$5,626,260.00

New 33-Meter by 25-Yard Pool Layout

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