

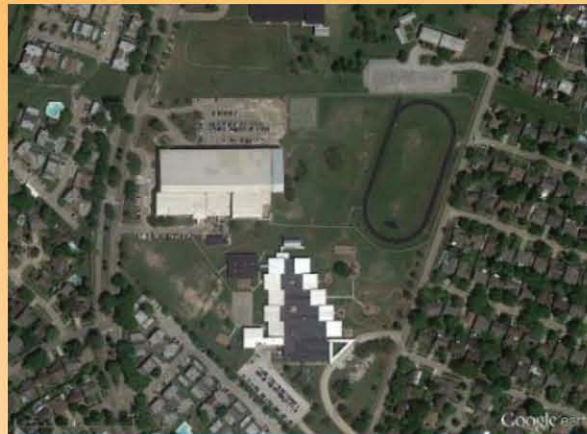


Alief Design Development Staff Review

3 Middle School Gymnasium Additions



Alief MS



Holub MS



Olle MS

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Alief ISD 3 MS Gym Additions

Alief MS
Holub MS
Olle MS

Program Outline

Architectural

Gymnasium

- 50'-0" x 84'-0" competition basketball court
- Two cross courts with curtain divider
- One main volleyball court
- Two volleyball cross courts (centered in gymnasium with bleachers closed)
- Six motorized forward folding basketball goals
- Wall sports pads at two main basketball goals
- One scoreboard – to be located at end opposite main entry door
- Motorized bleachers on one side with seating for 650
- Movable scorer's table at center court opposite bleachers
- Portable stage (15'-0" x 30'-0" x 18" high)
- Ceiling mounted projector with audio/video capability
- Wall mounted wide projection screen (16'-0" wide) to be above scorer's table
- Two 12'-0" x 4'-0" white marker boards, one at each end near bleachers

Restrooms

Womens/Girls

- Seven water closets
- Seven lavatories

Mens/Boys

- Three water closets
- Four urinals
- Seven lavatories
- Two drinking fountains

P.E. Storage

- 150 square feet

IDF Room

- 50 square feet
- One rack

Stage/Chair Storage

- 450 square feet
- Storage for 300 folding chairs (on hanging rack)
- Storage for portable stage
- Wall space for local sound system
- Wall space for phone

Mechanical/Electrical

200 square feet

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Finish Outline

Architectural Finish Guidelines

Walls

- Interior walls to be painted CMU
- Restroom walls to be 4" x 4" ceramic tile
- Exterior finish to be brick masonry to match existing as close as possible
- "R" metal walls panels at areas above existing gymnasium roof at Alief MS

Flooring

- Second and better grade Northern Hard Maple at basketball courts
- Third grade at remainder of gymnasium floor
- Sealed concrete in restrooms, storage rooms, corridors, and vestibules

Ceiling

- Exposed structural joists, acoustical deck, and ductwork in gymnasium
- Exposed structure in storage rooms and IDF rooms
- Lay-in acoustic (24" x 24") panels in vestibules and corridors
- Vinyl faced 1/2" gypsum board in 24" x 24" lay-in grid at restrooms

Roof Systems

Alief Middle School & Olle Middle School

- Three-ply modified bituminous roofing system, 20/30 FR roofing system with mineral surfacing on finish layer
- Roof warranty to be 20 years, non-prorated, no dollar limit, full system, plus product liability certificate
- Roof drains shall be internal leaders tied into storm sewer at the existing gymnasium and external gutters, downspouts, and scuppers at new gymnasium

Holub Middle School

- Standing seam sheet metal roof to match existing
- Roof warranty to be 20 years, non-prorated, no dollar limit, full system, plus product liability certificate
- Roof drains shall be external gutters and downspouts

Alief ISD
3 MS Gym Additions
Alief MS
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MEP Outline

Plumbing Guidelines

- New **restrooms** will include wall hung water closets, urinals, and lavatories, with Sloan flush valves and Chicago Faucets.
- New **domestic cold water sanitary lines** will be tied into existing services. Vent piping will be routed to the roof.
- New **electric water heater** shall be provided for the restrooms to provide tempered water at the student lavatories.
- The new **roof shall be drained by gutters and downspouts.**

Mechanical Guidelines

- The new gymnasium and restroom will be conditioned by a **new 75 ton roof-mounted, packaged rooftop unit.** Unit shall be located on the lower roof of the restroom and storage areas.
- The **ductwork** shall be routed through the exterior wall to serve the gym. Exposed **supply duct** in the gymnasium shall be double-wall with aluminum diffusers, routed tight to structure.
- New **belt drive exhaust fans** shall be provided for the new restrooms.

Electrical Guidelines

- New **480v distribution panels** shall be fed from the existing electrical service to feed new equipment, panels and transformers in the addition. Electrical space shall be provided in storage areas within the new addition.
- **Lay-in fluorescent or LED fixtures** at 277 volts shall be used for general lighting.
- The gymnasium space shall use **high bay LED fixtures.**

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Communication and Security

Communication Guidelines

- A **new IDF room** shall be provided as part of the addition.
- Each gymnasium shall be provided with **data drops, wireless access points, local sound system, wireless microphones and projector.**
- **Extend all existing PA and intercom** from existing MDF to new IDF room.

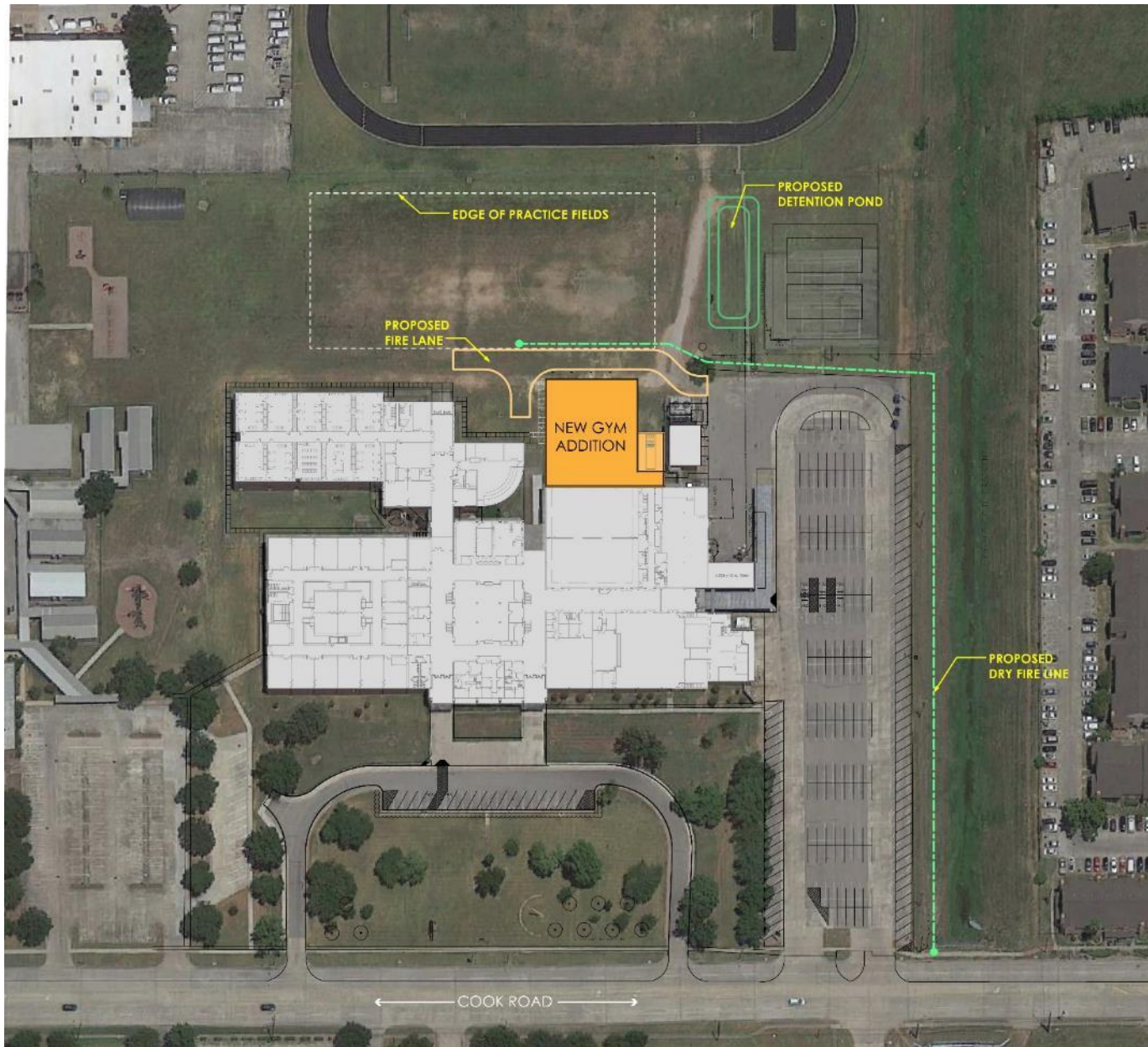
Electronic Safety and Security

- Provide **2 video surveillance cameras** and **access control at 2 doors** at new gym.
- **New fire alarm devices** shall be provided for new addition.
Existing system shall be modified as needed for new device coverage.

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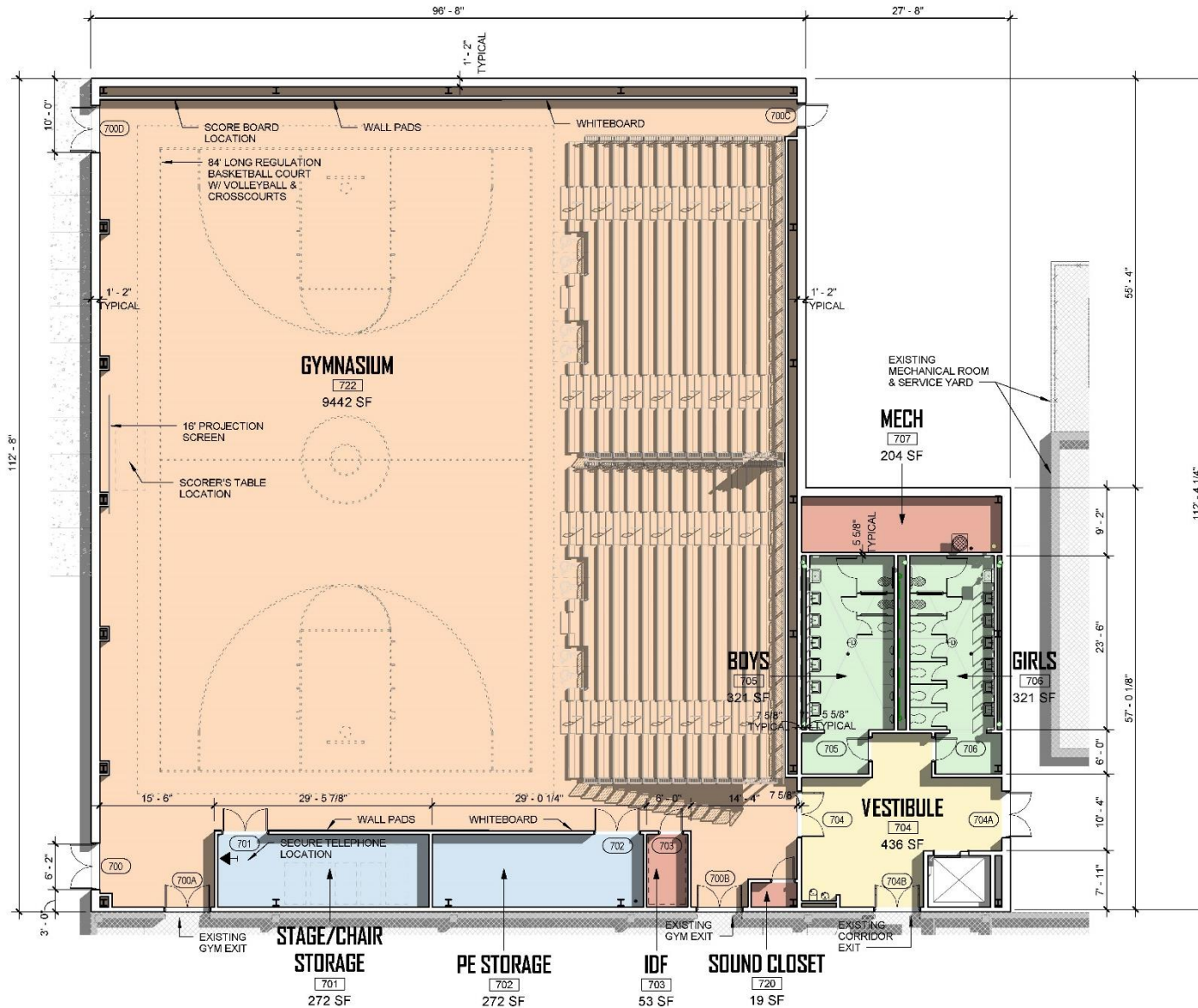
Alief Middle School

Overall Site Plan



Alief Middle School

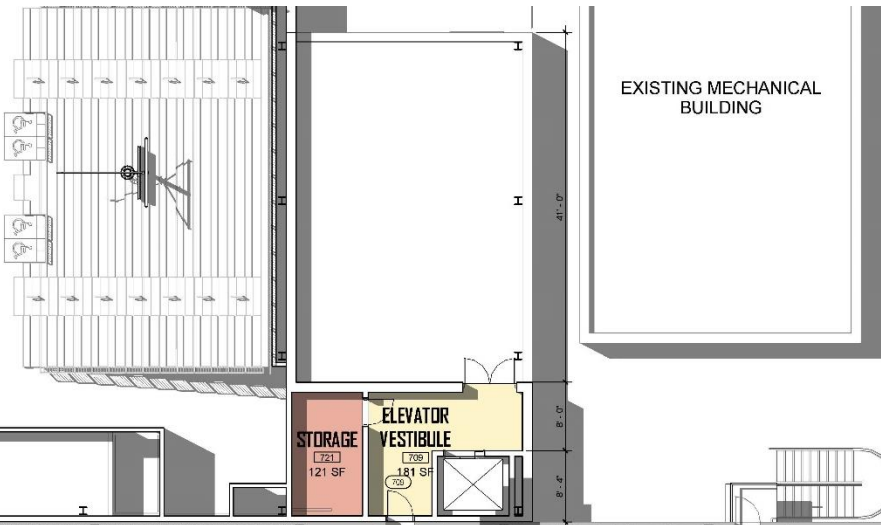
First Floor Plan



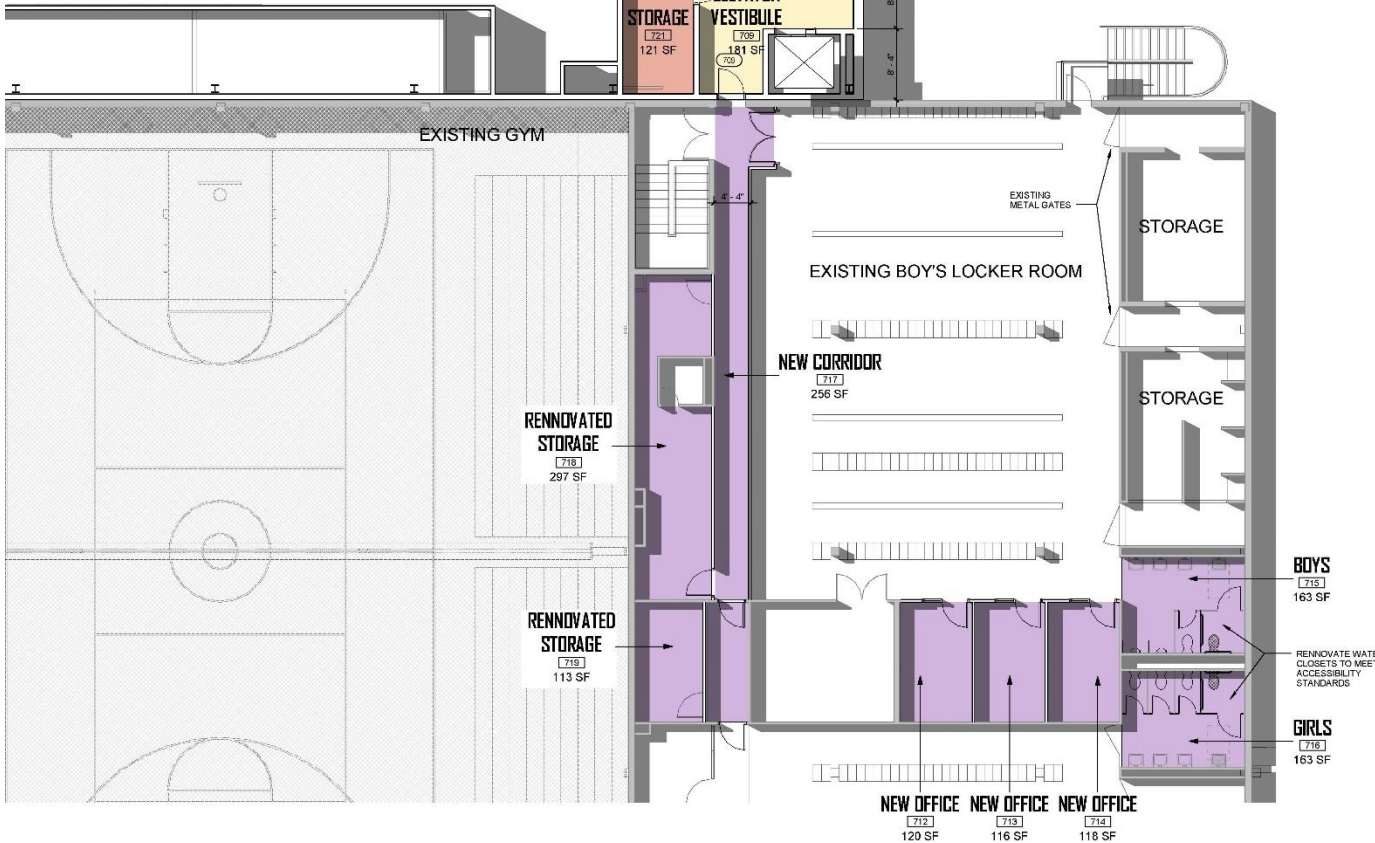
Space Type/Description	Alief MS
Basic Scope	
Gymnasium w/ Bleachers	9,782
Circulation A	498
Circulation B	N/A
Subtotal	10,280
8/28/15 Added Scope	
Stage/Chair Storage	434
Athletic PE Storage I	110
9/24/15 Added Scope	
Added IDF room	53
Added as a result of layout	
Mechanical room	204
Regulatory Impact	
Mens restroom additions	321
Womens restroom addition	321
RR for Men Qty	N/A
RR for Women Qty	N/A
Boys PE Locker Renovation	Yes
Girls Locker Renovation	Yes
Elevator - Variance / Addition	Maybe
Wall Thickness	968
Total Program GSF	12,489
Delta SF to Program	(11.00)
% Over/Under	-0.09%



NEW GYM ADDITION



EXISTING MECHANICAL BUILDING



EXISTING GYM

RENNOVATED STORAGE
718
297 SF

RENNOVATED STORAGE
719
113 SF

EXISTING BOY'S LOCKER ROOM

NEW CORRIDOR
717
256 SF

NEW OFFICE NEW OFFICE NEW OFFICE
712 713 714
120 SF 116 SF 118 SF

EXISTING GIRL'S LOCKER ROOM

BOYS
715
163 SF

GIRLS
716
163 SF

RENNOVATE WATER CLOSETS TO MEET ACCESSIBILITY STANDARDS



Alief Middle School

Second Floor Plan

Added Scope: Elevator/Locker Rm

- New **elevator** required to meet Texas Accessibility Standards for access to locker rooms on floor 2.
- New **vestibule/storage** room to make connection to existing locker room on floor 2. Vent piping will be routed to the roof.
- Add a **new interior corridor** to connect the girl's locker rooms to the elevator vestibule. Security/Access controls to control access.
- Renovate existing offices into **storage rooms** along the left side of plan.
- Renovate existing storage to office space in the middle between boys/girls locker room.
- Renovate **boys/girls toilet rooms** to meet Texas Accessibility Standards.

Alief Middle School

Before Perspective

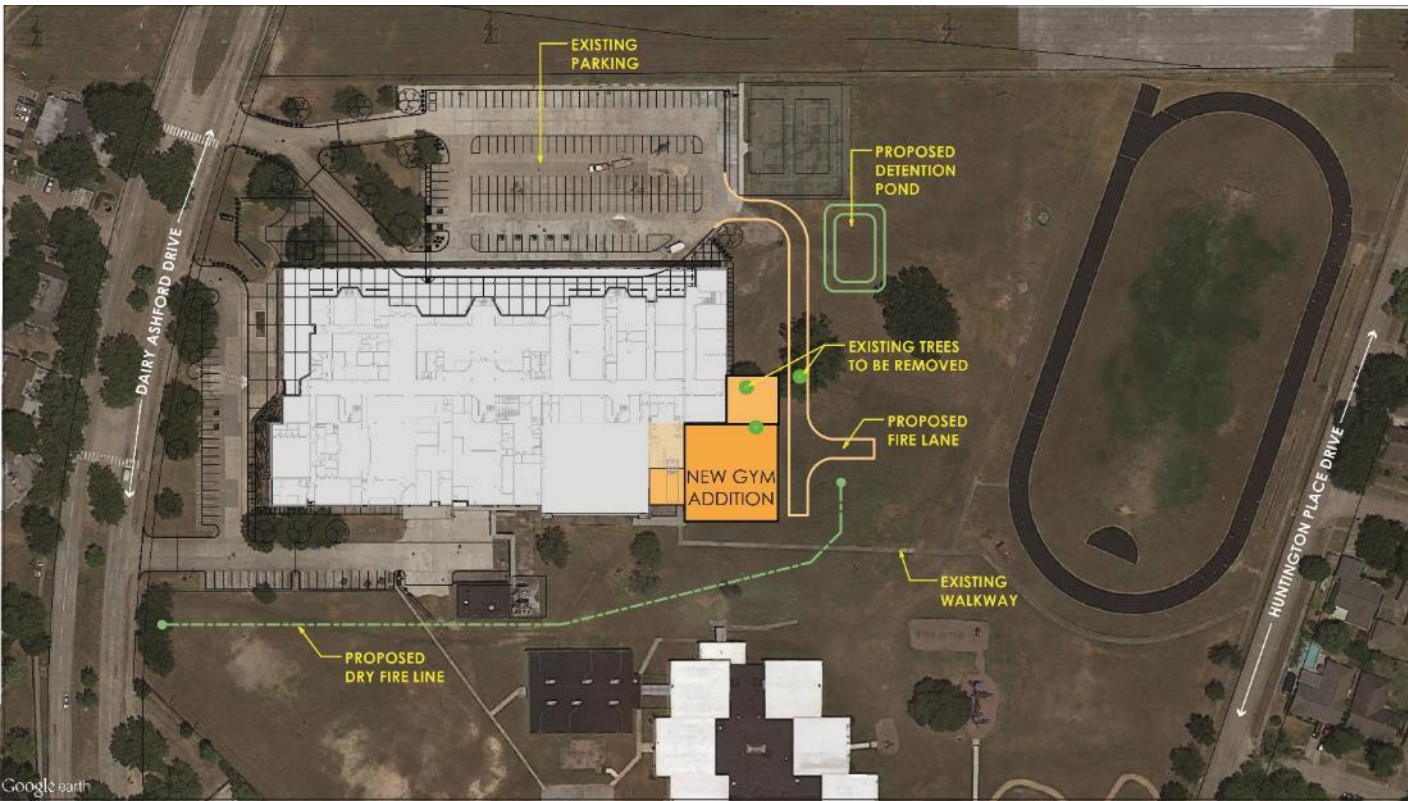


Alief Middle School

After Perspective

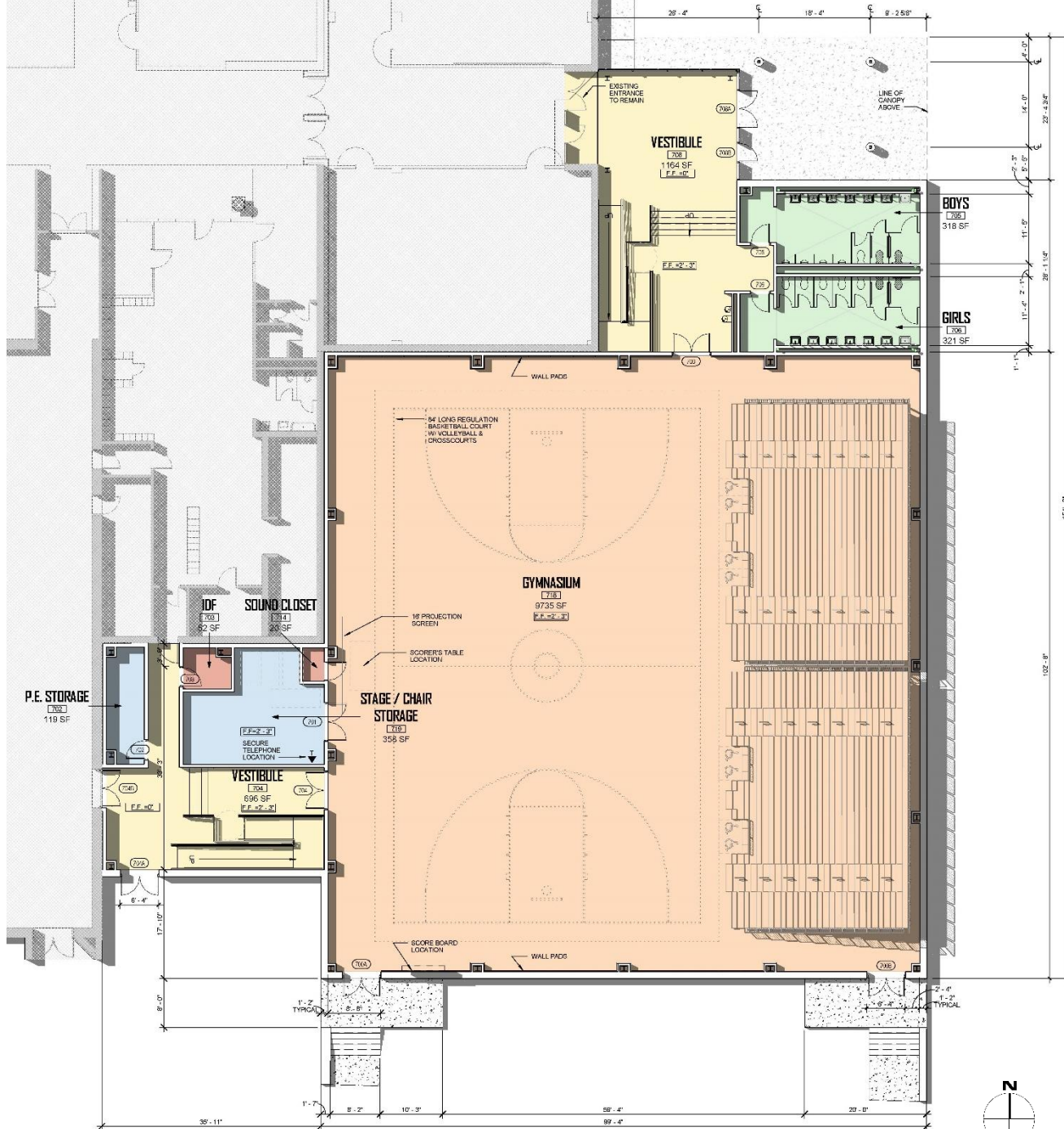


Overall Site Plan



Holub Middle School

First Floor Plan



Space Type/Description	Holub MS
Basic Scope	
Gymnasium w/ Bleachers	9,716
Circulation A	1,164
Circulation B	696
Subtotal	11,576
8/28/15 Added Scope	
Stage/Chair Storage	382
Athletic PE Storage 1	119
9/24/15 Added Scope	
Added IDF room	52
Added as a result of layout	
Mechanical room	N/A
Regulatory Impact	
Mens restroom additions	321
Womens restroom addition	321
RR for Men Qty	N/A
RR for Women Qty	N/A
Boys PE Locker Renovation	Yes
Girls Locker Renovation	Yes
Elevator - Variance / Addition	N/A
Wall Thickness	682
Total Program GSF	13,455
Delta SF to Program	955.00
% Over/Under	7.64%



Holub Middle School

Before Perspective



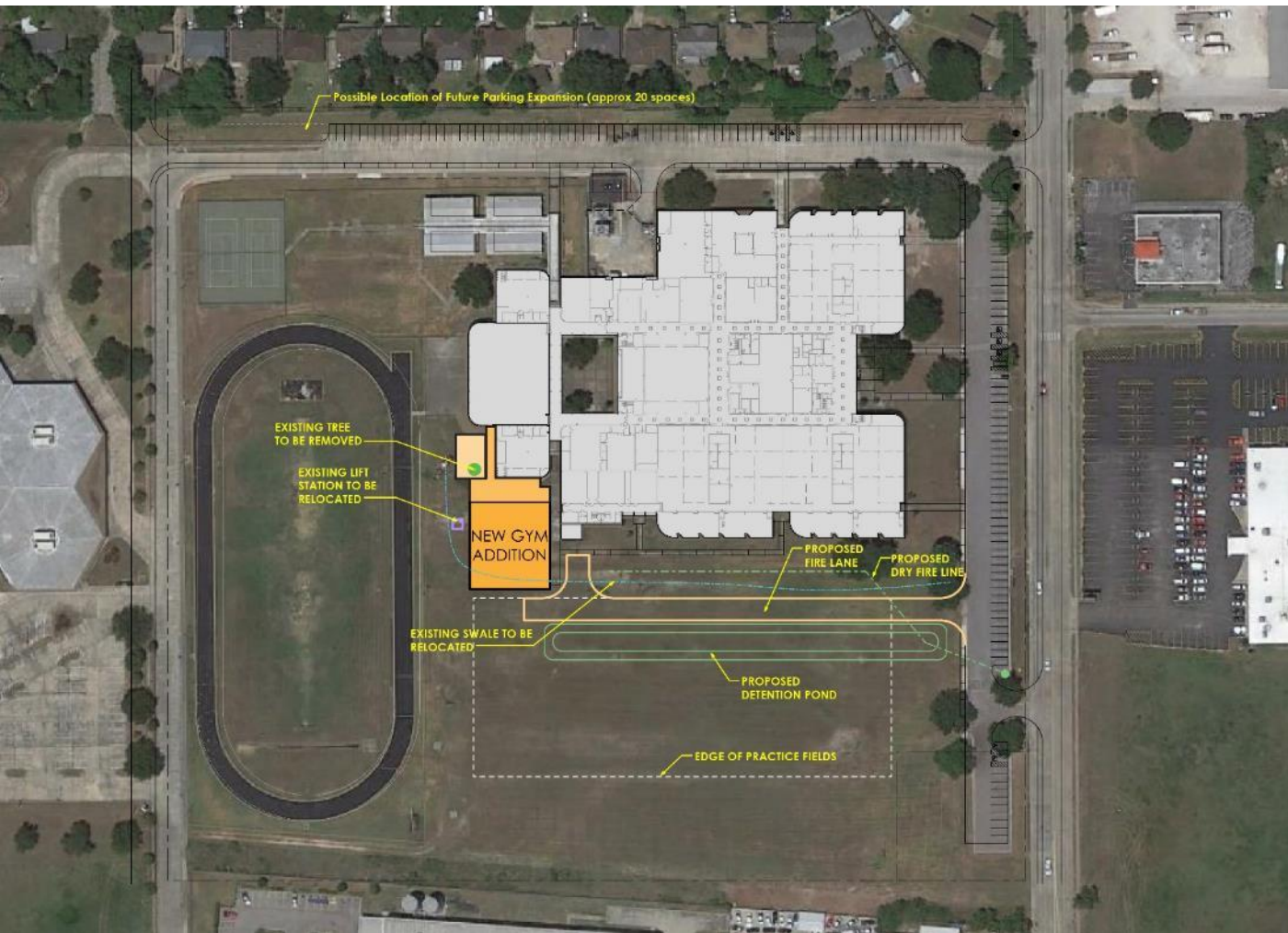
Holub Middle School

After Perspective



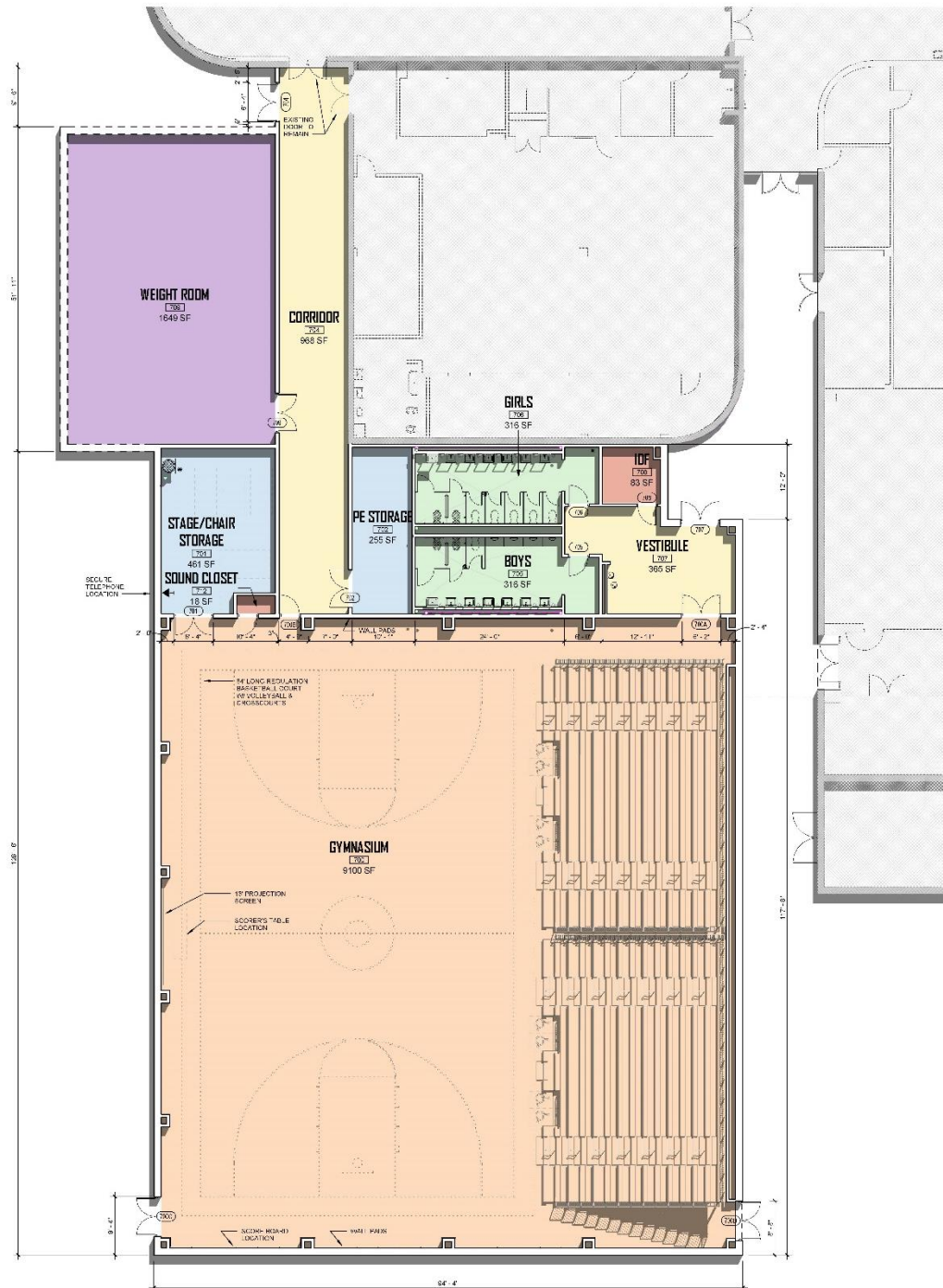
Olle Middle School

Overall Site Plan



Olle Middle School

Floor Plan



Space Type/Description	Olle MS
Basic Scope	
Gymnasium w/ Bleachers	9,271
Circulation A	968
Circulation B	365
Subtotal	10,604
8/28/15 Added Scope	
Stage/Chair Storage	483
Athletic PE Storage1	255
9/24/15 Added Scope	
Added IDF room	85
Added as a result of layout	
Mechanical room	N/A
Regulatory Impact	
Mens restroom additions	321
Womens restroom addition	321
RR for Men Qty	N/A
RR for Women Qty	N/A
Boys PE Locker Renovation	Yes
Girls Locker Renovation	Yes
Elevator - Variance / Addition	N/A
Wall Thickness	705
Total Program GSF	12,774
Delta SF to Program	274.00
% Over/Under	2.19%

Olle Middle School

Before Perspective



Olle Middle School

After Perspective



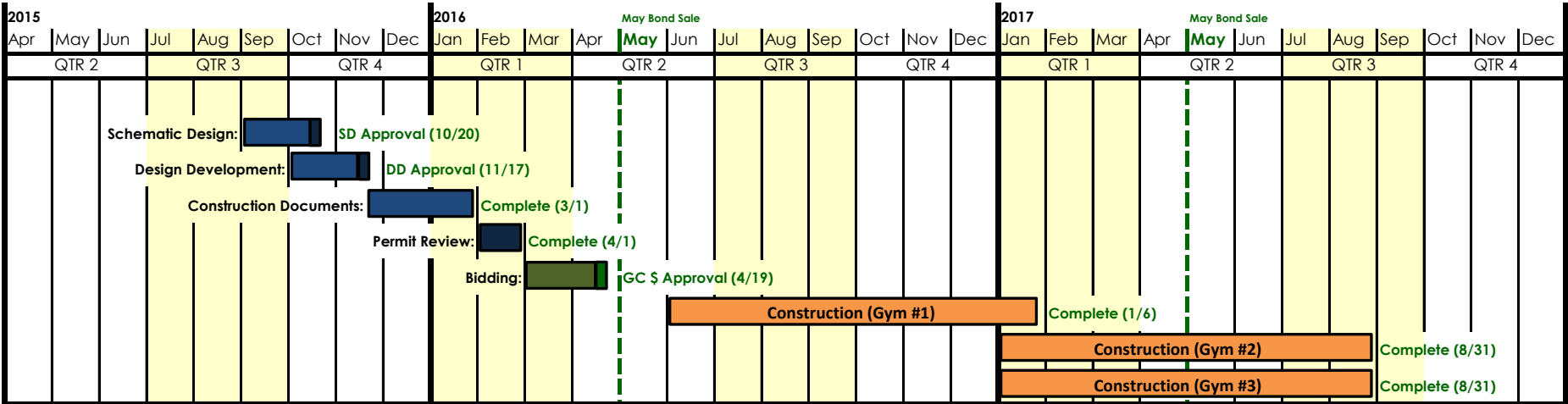
Project Schedule

Alief ISD
3 MS Gym Additions
Alief MS
Holub MS
Olle MS

Alief ISD

3 MS Gyms - Proposed Schedule

Alief + Holub + Olle



Alief ISD
3 MS Gym Additions
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Questions?