
cfb CARROLLTON-FARMERS BRANCH ISD
#mycarrollton
CARROLLTON
TEXAS

Agenda

Bond Oversight Committee

January 28, 2025

- Welcome
- Overall Status Update
- Construction Update
  - Riverchase ES, Freeman ES, Landry ES, Ranchview HS
- Design Update
  - Smith HS Renovations
  - Engineering @ Ranchview
  - Outdoor Learning Center
- Advisory Committee Update

CARROLLTON-FARMERS BRANCH ISD
BOND 2023

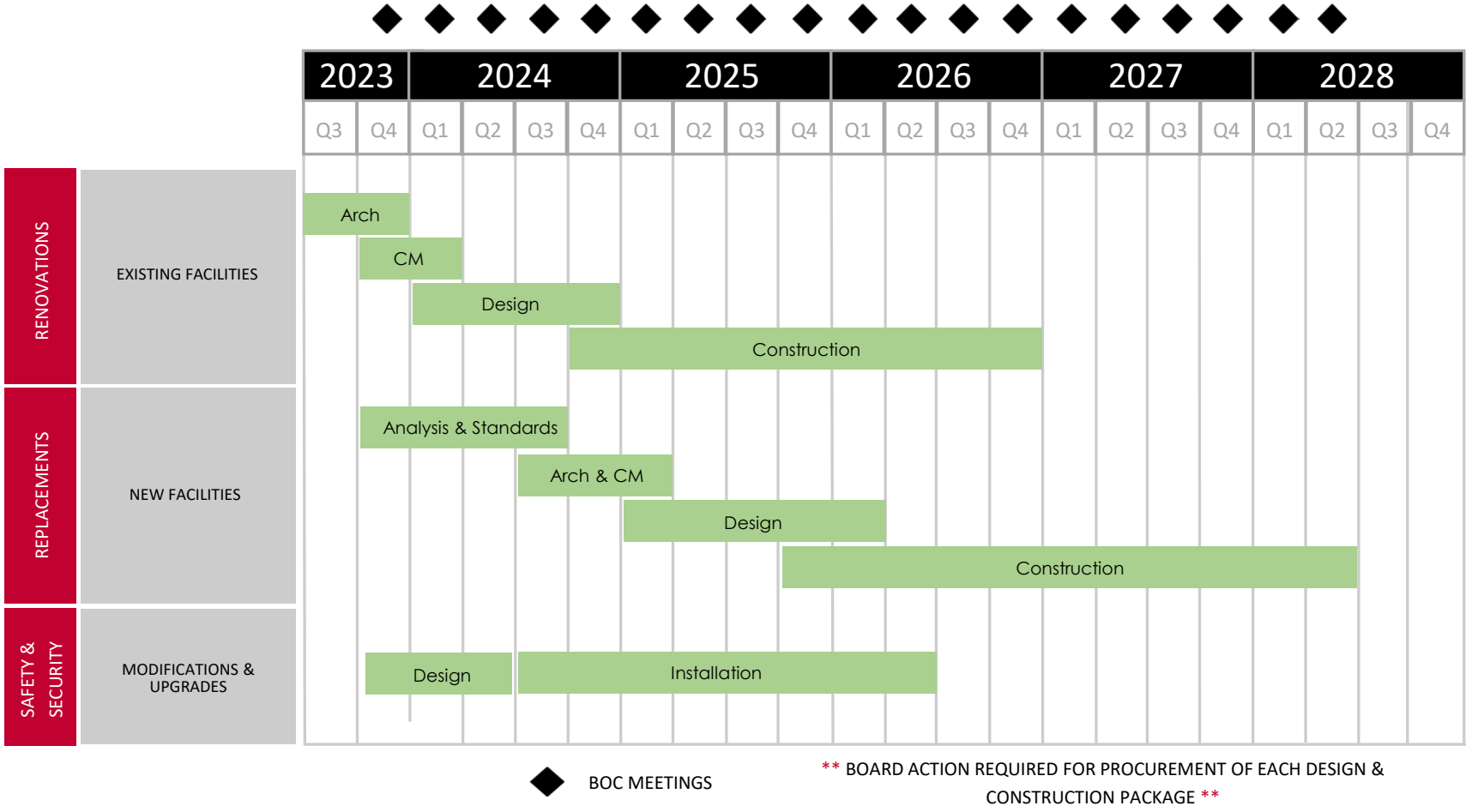
Overview



CARROLLTON-FARMERS BRANCH ISD
BOND 2023

2023 Bond Timeline

Carrollton-Farmers Branch Independent School District

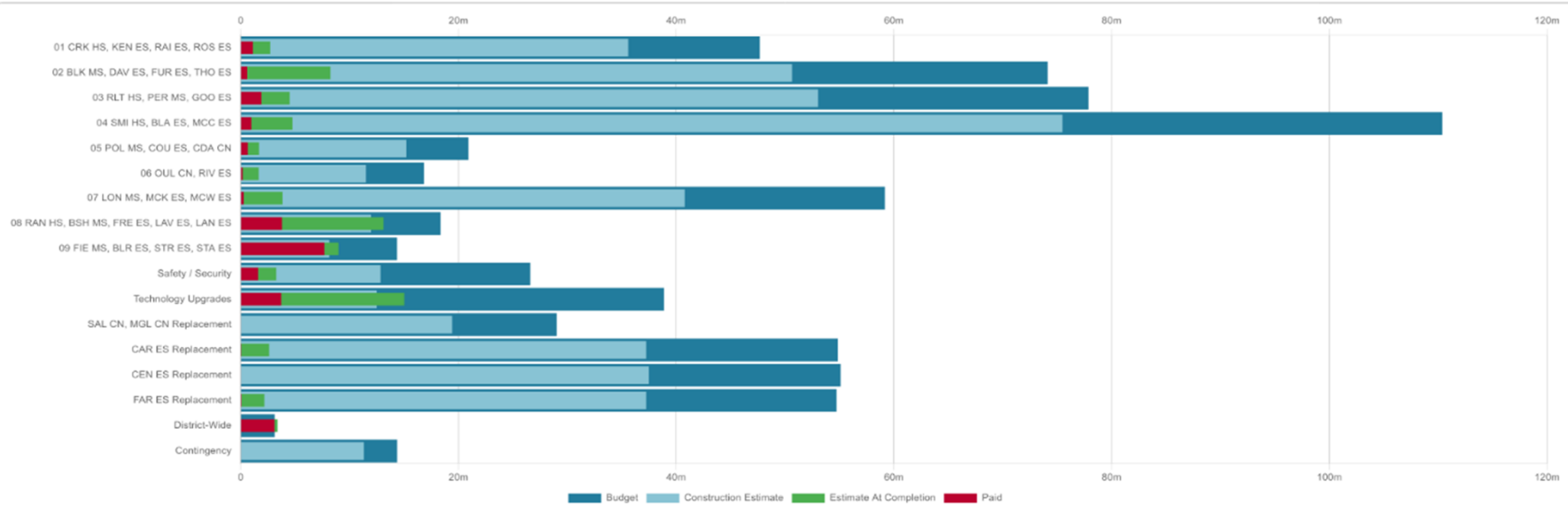


** BOARD ACTION REQUIRED FOR PROCUREMENT OF EACH DESIGN & CONSTRUCTION PACKAGE **

CFB 2023 BOND PROGRAM

CARROLLTON-FARMERS BRANCH ISD BOND 2023

Budget	Construction Estimate	EAC	Total Paid
716.42m	470.40m	75.94m	25.65m



CFB 2023 Bond Program Financial Overview

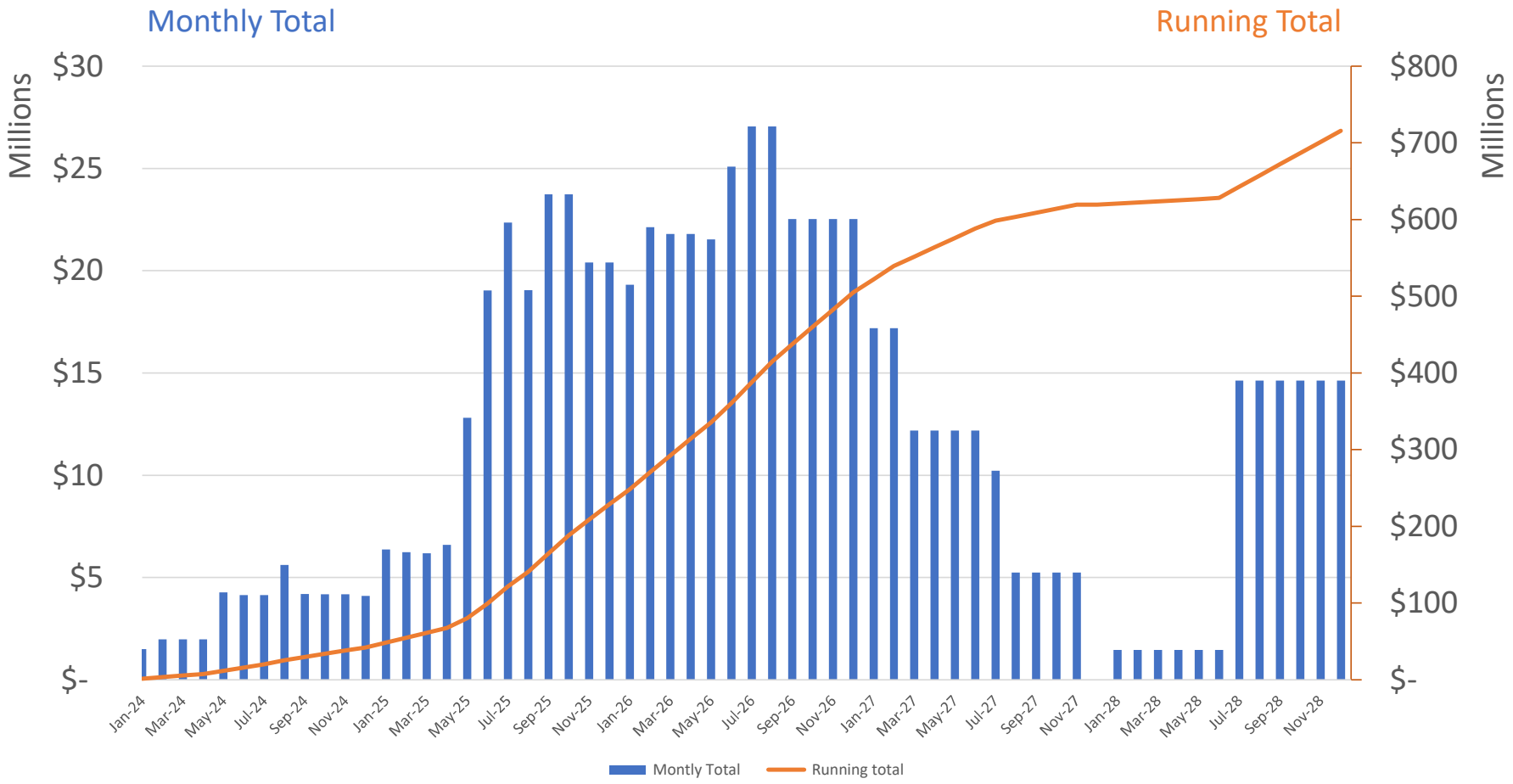
Name	Budget	Construction Estimate	EAC	Total Paid	Payment % Complete
01 CRK HS, KEN ES, RAI ES, ROS ES	47.69m		2.71m	1.13m	41.6%
02 BLK MS, DAV ES, FUR ES, THO ES	74.13m		8.24m	0.60m	7.3%
03 RLT HS, PER MS, GOO ES	77.87m		4.50m	1.89m	41.9%
04 SMI HS, BLA ES, MCC ES	110.38m		4.76m	0.97m	20.4%
05 POL MS, COU ES, CDA CN	20.91m		1.68m	0.64m	38.3%
06 OUL CN, RIV ES	16.84m		1.65m	0.18m	10.7%
07 LON MS, MCK ES, MCW ES	59.17m		3.85m	0.28m	7.2%
08 RAN HS, BSH MS, FRE ES, LAV ES, LAN ES	18.37m		13.12m	3.79m	28.9%
09 FIE MS, BLR ES, STR ES, STA ES	14.35m		8.98m	7.69m	85.6%

CFB 2023 Bond Program Financial Overview Cont...

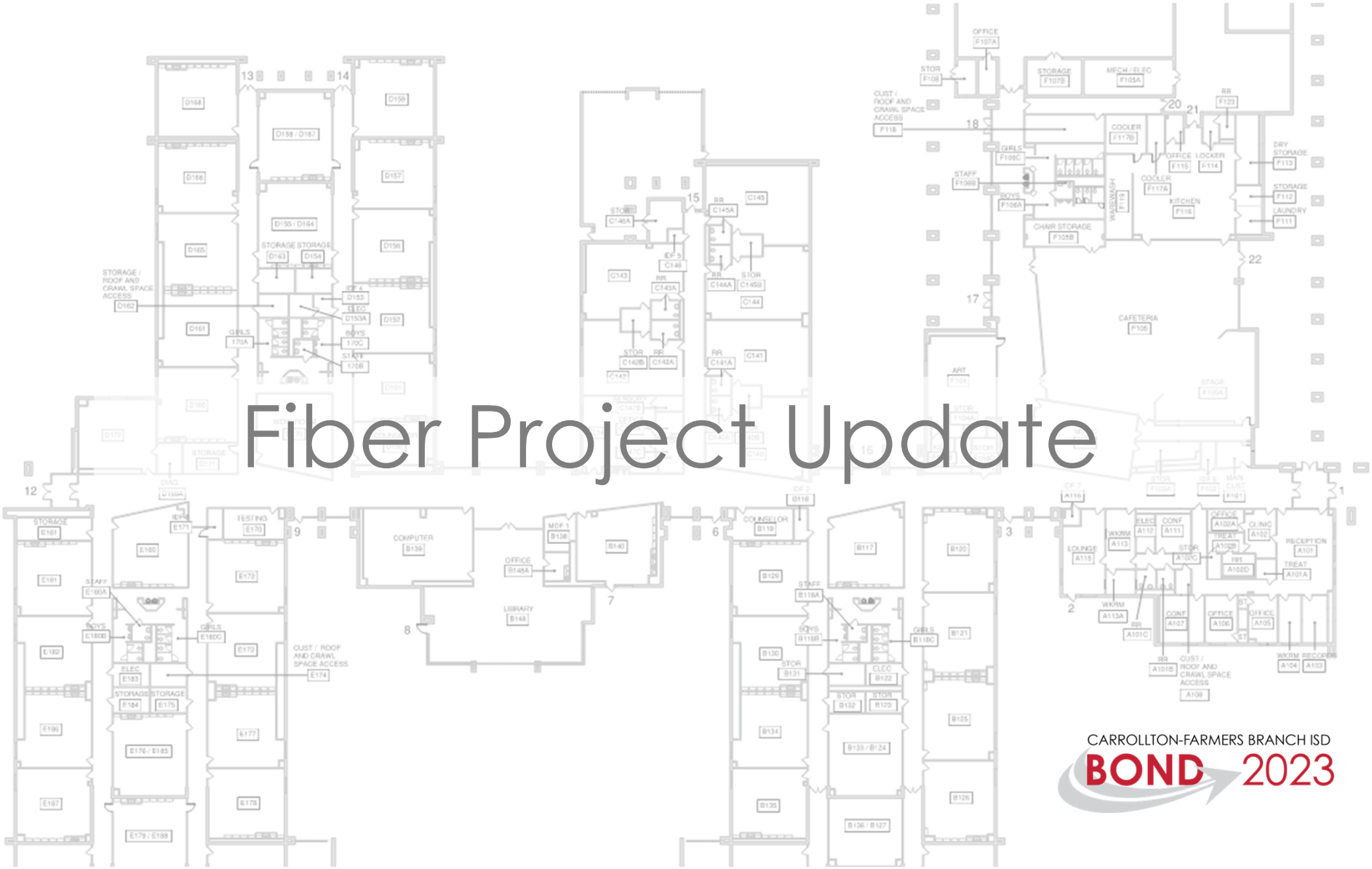
Name	Budget	Construction Estimate	EAC	Total Paid	Payment % Complete
Safety / Security	26.60m		3.27m	1.59m	48.6%
Technology Upgrades	38.88m		15.03m	3.71m	24.7%
SAL CN, MGL CN Replacement	29.04m		0.00m	0.00m	0%
CAR ES Replacement	54.86m		2.61m	0.02m	0.7%
CEN ES Replacement	55.11m		0.00m	0.00m	0%
FAR ES Replacement	54.72m		2.17m	0.07m	3.1%
District-Wide	3.12m		3.37m	3.09m	91.7%
Contingency	14.36m		0.00m	0.00m	0%

2023 Bond Projected Cash Flow

Carrollton-Farmers Branch Independent School District



Fiber Project Update



CARROLLTON-FARMERS BRANCH ISD
BOND 2023

Segment Milestone Progress

100% FLD (59% Existing, 41% New)

100% ENG (59% Existing, 41% New)

89% SUB (59% Existing, 30% New)

85% REC (59% Existing, 26% New)

74% CON (59% Existing, 15% New)

24% FPL (6% Existing, 18% New)

0% S&T

Planned build leverages 53% of existing conduit and 6% existing fiber.

FLD = Field Verified: Engineering field data collected

ENG = Engineered: Drawings permit submit ready

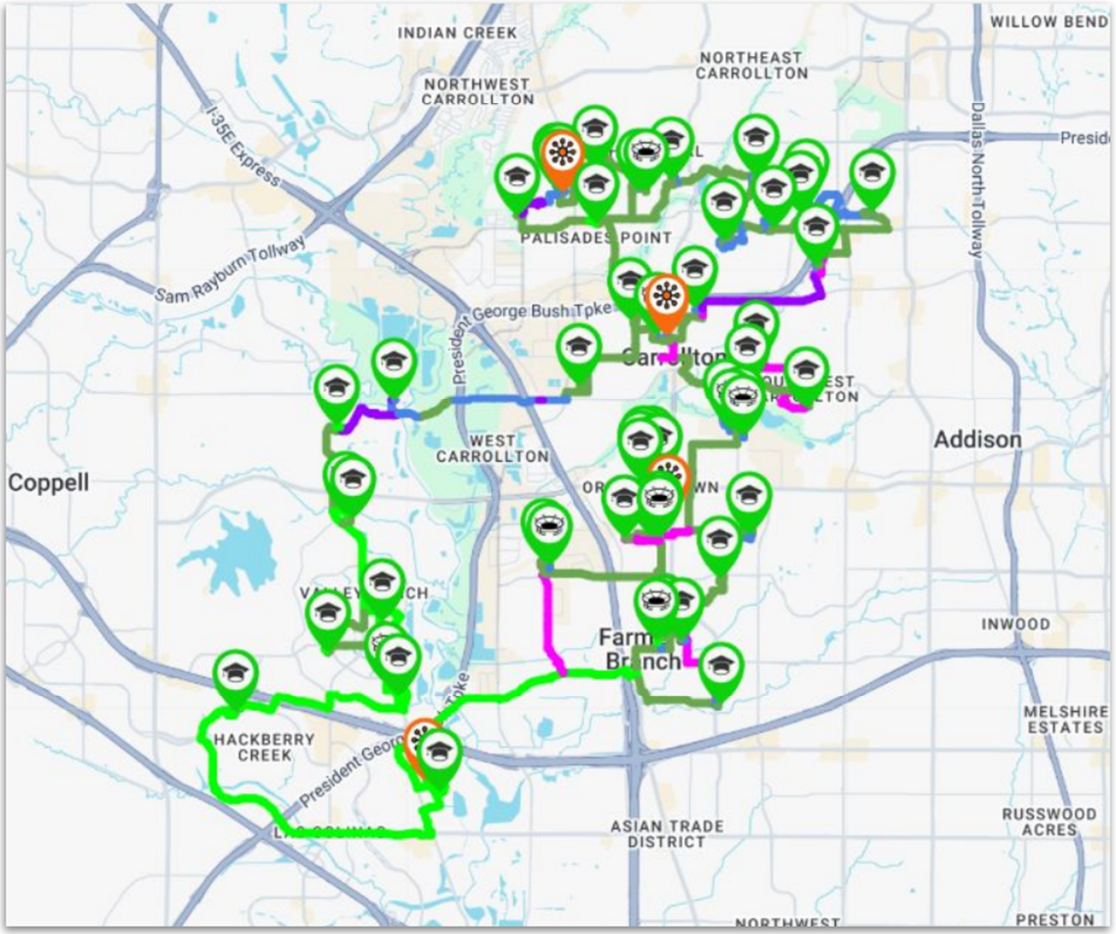
SUB = Submitted: Permits submitted to agencies

REC = Received: Permits received from agencies

CON = Constructed: Conduit and access vaults placed

FPL = Fiber Placed: Fiber cable placed in conduit

S&T = Spliced & tested: Fibers spliced & tested



Proprietary and Confidential

Segment Milestone - Detail

Segment Type	Footage	Ft. %	FLD	FLD %	ENG	ENG %	SUB	SUB %	REC	REC %	CON	CON %	FBR	FBR %
Existing Duct	184,679	51.99 %	184,679	100.00 %	184,679	100.00 %	184,679	100.00 %	184,679	100.00 %	184,679	100.00 %	29,855	16.17 %
New Underground	140,667	39.60 %	140,667	100.00 %	140,667	100.00 %	104,872	74.55 %	88,949	63.23 %	54,732	38.91 %	33,592	23.88 %
Existing Fiber	22,228	6.26 %	22,228	100.00 %	22,228	100.00 %	22,228	100.00 %	22,228	100.00 %	22,228	100.00 %	22,228	100.00 %
New In-Building EMT	7,624	2.15 %	7,624	100.00 %	7,624	100.00 %	7,624	100.00 %	7,624	100.00 %	1,863	24.44 %	1,651	21.66 %
Total	355,198		355,198	100.00 %	355,198	100.00 %	319,403	89.92 %	303,480	85.44 %	263,502	74.18 %	87,326	24.59 %

Planned build leverages 53% of existing conduit and 6% existing fiber

Change Since Previous Update:	SUB (+2%)	REC (+1%)	CON (+3%)	FPL (+17%)

Highlights:

- Even with slower progress due to holidays and weather, we are closing in on 11 miles of new construction completed, marking a 2.2-mile increase since the last update.
- On-property OSP construction is now fully completed at 21 campuses, and ISP construction has been completed at 18 campuses. Additionally, new lateral fiber placement has been completed at 13 campuses.
- Crews continue to make excellent progress on fiber placement, with over 60,000 feet of fiber installed to date.
- New construction, combined with the successful verification of existing handholes and conduit, brings us to 55% overall construction completed, which is a 6% increase since the last update. *(Per contract, Construction Complete is based on conduit footage completed/verified and handholes in place.)*



Recent & Upcoming 2023 Bond Authorizations

CARROLLTON-FARMERS BRANCH ISD
BOND 2023

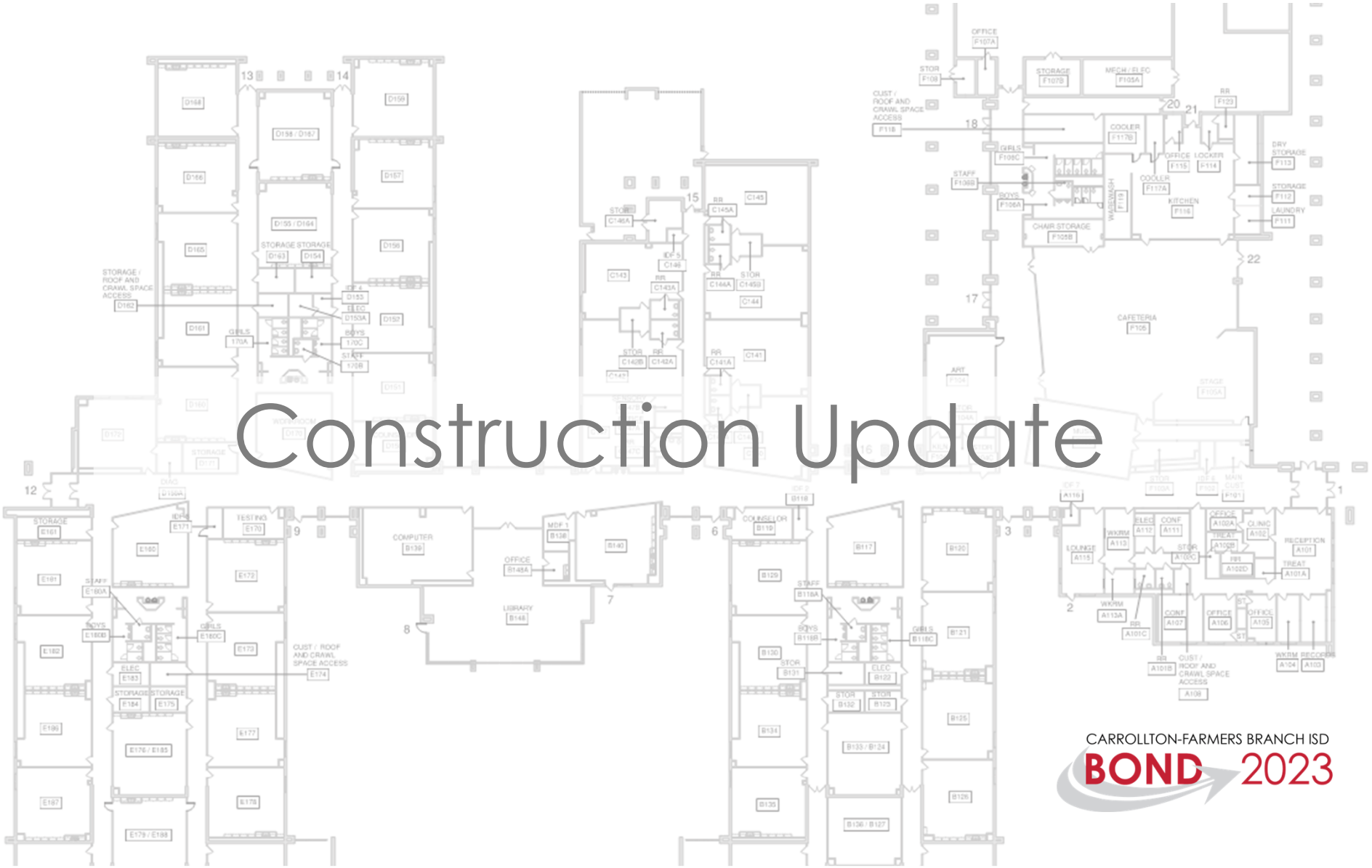
2023 Bond BOT Authorizations

Upcoming

Month	Item
February	• Pkg 1 Phase 1 (Creekview HS, Kent ES, Rainwater ES)
March	• Pkg 5 (Polk MS, Country Place ES, CDA) • Pkg 8 Phase 4 (Ranchview Engineering)
April	• Pkg 2 Phase 3 (Blalack MS)

CARROLLTON-FARMERS BRANCH ISD
BOND 2023

Construction Update



CARROLLTON-FARMERS BRANCH ISD
BOND 2023

2023 BOND – SPED RENOVATIONS

CARROLLTON-FARMERS BRANCH ISD

CFB SPED IMPROVEMENTS ARE PART OF THE 2023 BOND, PROVIDING CAMPUSES WITH MUCH NEEDED IMPROVEMENTS FOR SOME OUR MOST SENSITIVE LEARNERS.

SPED UPGRADES STARTED JUST AFTER THE CHRISTMAS BREAK 2024 AND WILL CONTINUE THROUGH THE 2024-2025 SCHOOL CALENDAR.



CARROLLTON-FARMERS BRANCH ISD
BOND 2023

CFB PARTNERS

PACKAGE 6

PARKHILL – ARCHITECT

GLIDEN INDUSTRIES – CMAR

PACKAGE 8

PARKHILL – ARCHITECT

CROSSLAND CONSTRUCTION - CMAR

CARROLLTON-FARMERS BRANCH ISD BOND 2023

CAMPUS REVIEW



- **Riverchase Elementary** – City of Coppell – LaTonda Cherry, Principal
- **Bernice Chatman Freeman Elementary** – City of Irving – Dr. Dallas Horne, Principal
- **Tom Landry Elementary** – City of Irving – Dr. Eric Cockerham, Principal
- **Ranchview High School** – City of Irving – Kara Miller, Principal

RIVERCHASE ELEMENTARY

272 S MACARTHUR BLVD, COPPELL, TX 75019



LATONDA CHERRY, PRINCIPAL

OPENED 2000

THREE CLASSROOMS, SENSORY ROOM, TWO BATHROOMS, AND A SHARED STORAGE AREA ARE ALL UNDER CONSTRUCTION. WE HAVE MADE GREAT PROGRESS IN THESE AREAS, WITH DEMO, FRAMING AND MECHANICAL INSTALLATION COMPLETE. WALL CLOSURE AND MILLWORK AND PAINT WILL FOLLOW. THESE AREAS WILL RECEIVE NEW FLOORING, UPDATED FURNITURE, FIXTURES, AND ANCILLARY IMPROVEMENTS.

Dec 2024 – Construction Start → April 2025 – Construction 90% → August 2025 – Final Delivery

CARROLLTON-FARMERS BRANCH ISD BOND 2023





CARROLLTON-FARMERS BRANCH ISD
BOND 2023

BERNICE CHATMAN FREEMAN ELEMENTARY

8757 VALLEY RANCH PKWY W IRVING, TX 75063



DR. DALLAS HORNE, PRINCIPAL

OPENED 2004

THREE CLASSROOMS, TWO OFFICE SPACES, RESOURCE, AND RESTROOMS ARE ALL CURRENTLY UNDER CONSTRUCTION. WE HAVE MADE GREAT PROGRESS IN THESE AREAS, WITH DEMO, FRAMING AND MECHANICAL INSTALLATION COMPLETE. WALL CLOSURE, MILLWORK AND PAINT WILL FOLLOW. THESE AREAS WILL RECEIVE NEW FLOORING, UPDATED FURNITURE, FIXTURES, AND ANCILLARY IMPROVEMENTS.

Dec 2024 – Construction Start → April 2025 – Construction 90% → August 2025 – Final Delivery

CARROLLTON-FARMERS BRANCH ISD BOND 2023







CARROLLTON-FARMERS BRANCH ISD
BOND 2023

TOM LANDRY ELEMENTARY

265 RED RIVER TRAIL, IRVING, TX 75063



DR. ERIC COCKERHAM, PRINCIPAL

OPENED IN 1996

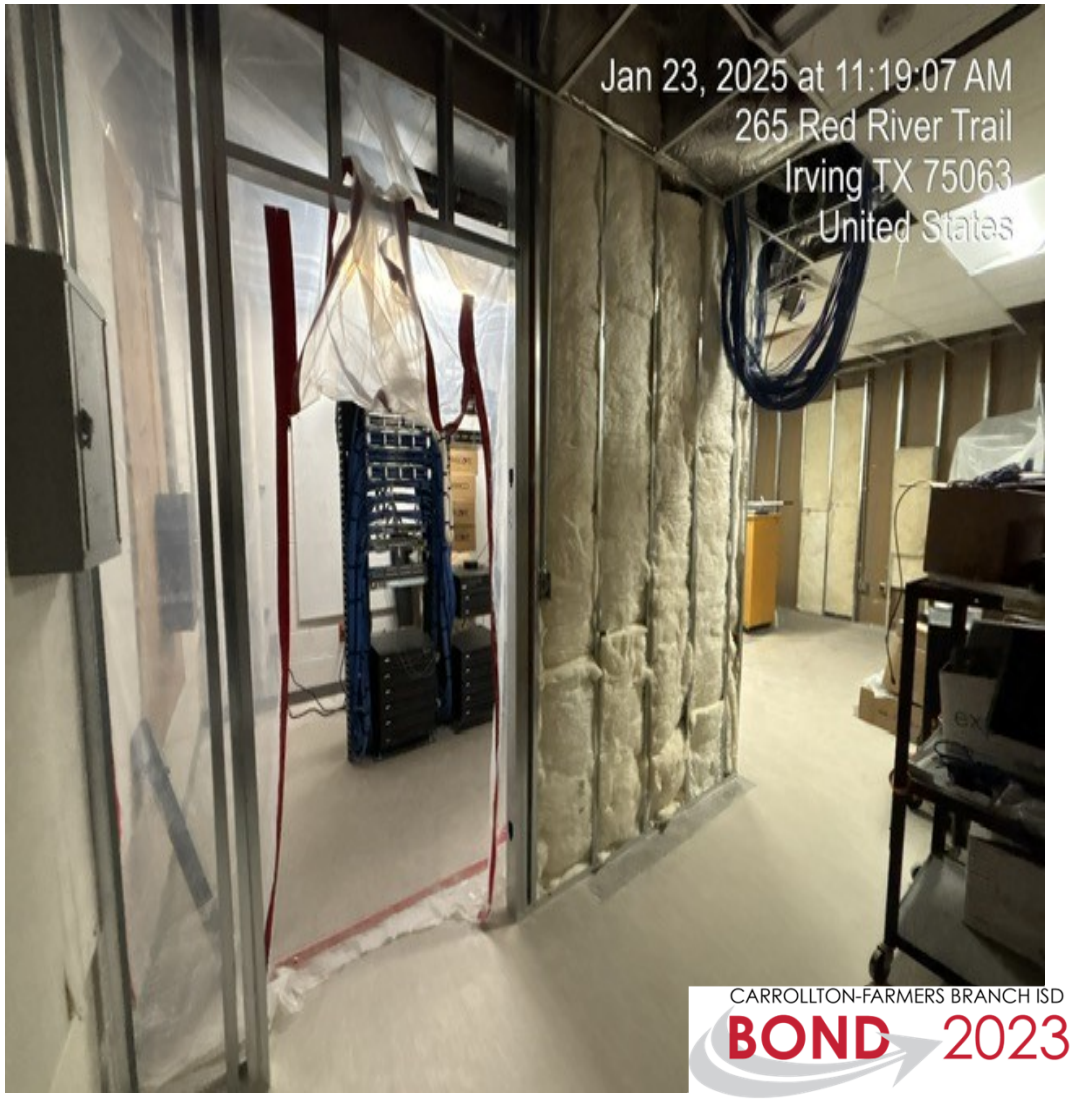
FOUR CLASSROOMS, MULTIPLE STORAGE AREAS, TWO RESTROOMS AND AN MDF ROOM, ARE CURRENTLY UNDER CONSTRUCTION. CAMPUS PROGRESS HAS BEEN STEADY AND ON SCHEDULE, WITH DEMO, FRAMING AND MECHANICAL INSTALLATION COMPLETE. WALL CLOSURE AND MILLWORK AND PAINT WILL FOLLOW. THESE AREAS WILL RECEIVE NEW FLOORING, UPDATED FURNITURE, FIXTURES, AND ANCILLARY IMPROVEMENTS.

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CARROLLTON-FARMERS BRANCH ISD BOND 2023







CARROLLTON-FARMERS BRANCH ISD
BOND 2023

RANCHVIEW HIGH SCHOOL

8401 E VALLEY RANCH PKWY, IRVING, TX 75063



KARA MILLER, PRINCIPAL

OPENED 2002

FOUR CLASSROOMS, ONE LIFE SKILLS ROOM, TWO RESTROOMS, AND MULTIPLE STORAGE AREAS, ARE CURRENTLY UNDER CONSTRUCTION. SUCCESS ON PROGRESS HAS BEEN ACHIEVED WITH DEMO, FRAMING AND MECHANICAL INSTALLATION COMPLETE. WALL CLOSURE AND MILLWORK AND PAINT WILL FOLLOW. THESE AREAS WILL RECEIVE NEW FLOORING, UPDATED FURNITURE, FIXTURES, AND ANCILLARY IMPROVEMENTS.

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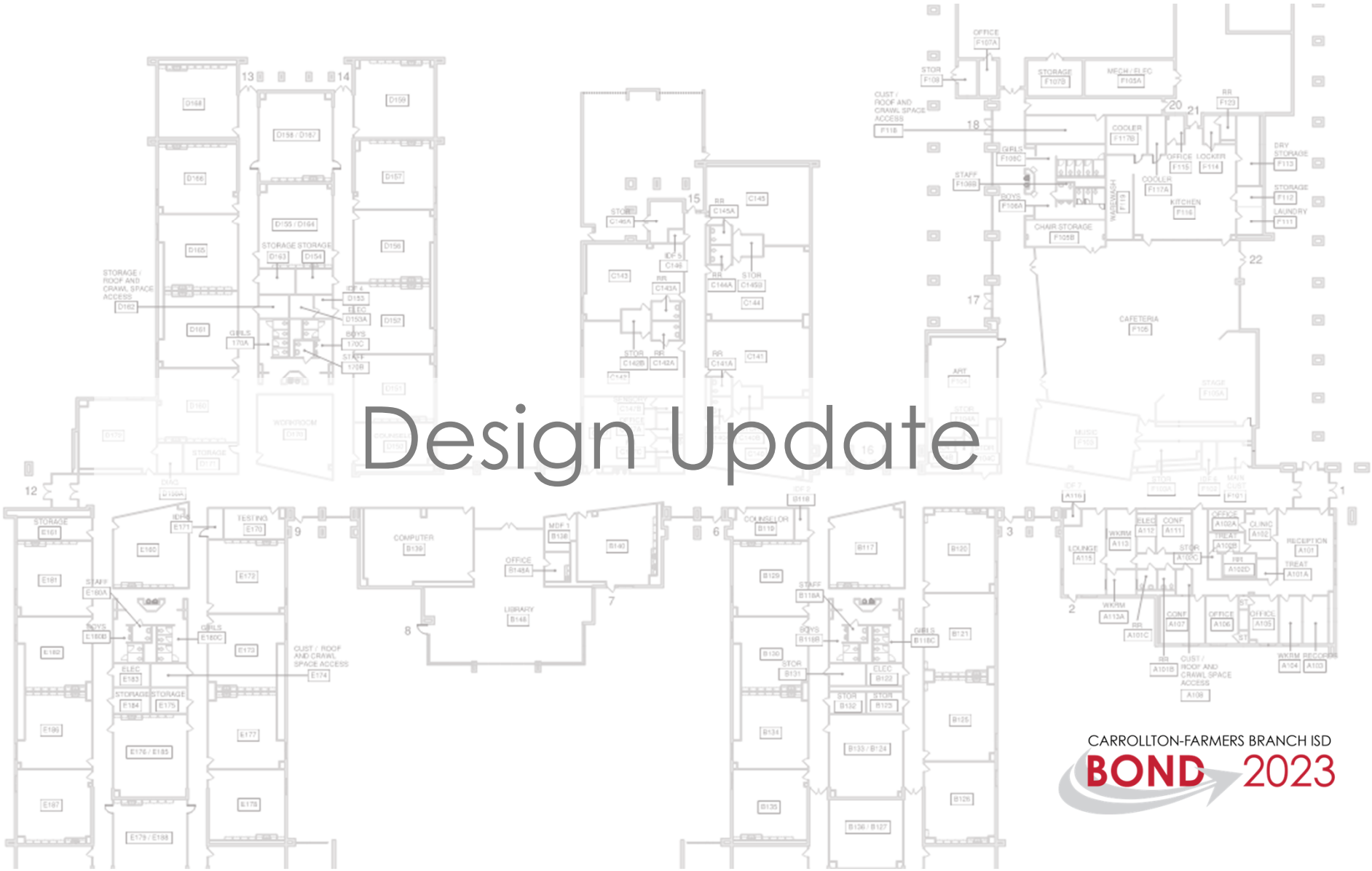


CARROLLTON-FARMERS BRANCH ISD
BOND 2023

Q&A SESSION

CARROLLTON-FARMERS BRANCH ISD
BOND 2023

Design Update



CARROLLTON-FARMERS BRANCH ISD
BOND 2023



Newman Smith High School

Carrollton-Farmers Branch ISD

Parkhill

1
STRATEGY

Establish Scope
Develop Process
Decision Methodology

2
CURIOSITY

Understand the Challenge
Ask Questions
Prepare Research

3
DISCOVERY

Gather Inspiration
Search for Meaning
Frame Opportunities

4
CREATION

Generate Ideas
Create Concepts
Define

5
DEVELOP

Refine Ideas into Solutions

6
BUILD

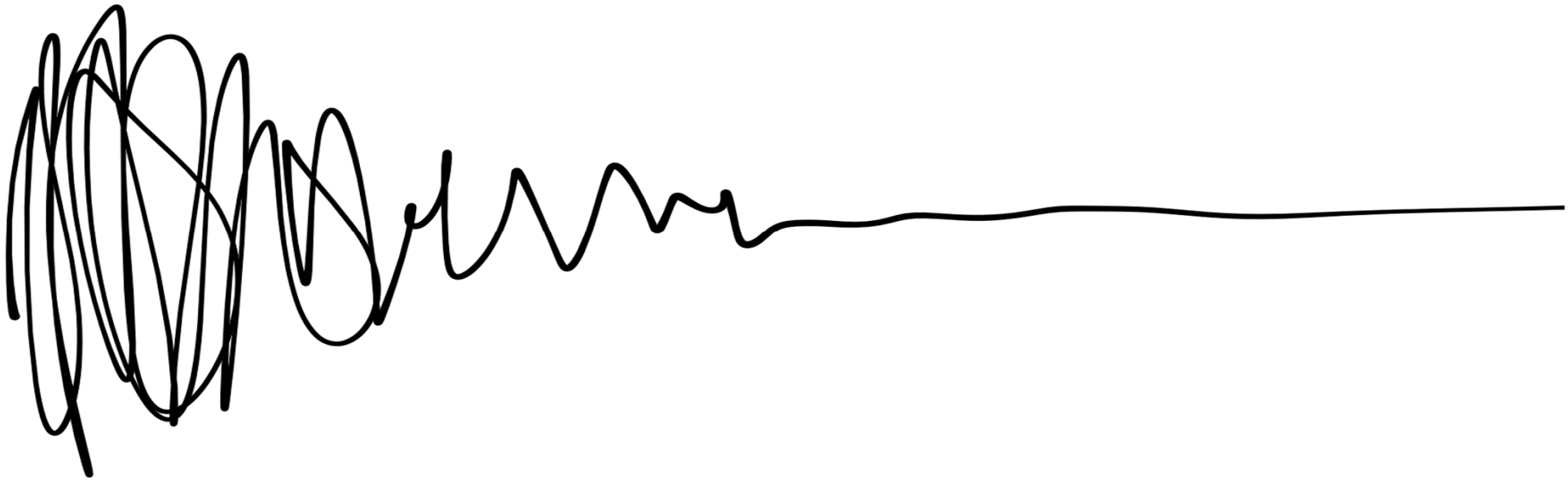
Document Build Solution
Construct Solution

7
TEST

Occupy and Observe
Experiment
Track Measurable Data

8
TUNE

Adjust Variables
Assess Change



Process

Newman Smith High School

1
STRATEGY
Establish Scope
Develop Process
Decision Methodology

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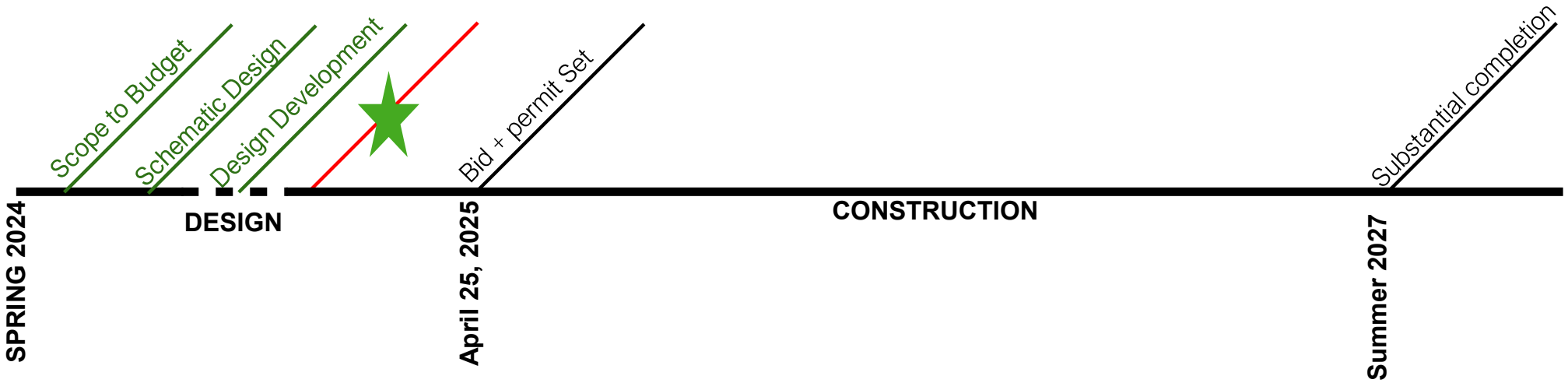
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Timeline

Newman Smith High School

2024-03-26 THINK BIG - Envisioning Newman Smith HS










Curiosity

Newman Smith High School

THINK BIG – Takeaways

School spirit and a focus on togetherness create the foundation of a resilient campus culture.

Users desire functionality by re-organizing space with innovative, functional, & flexible solutions.



BIG Vision:

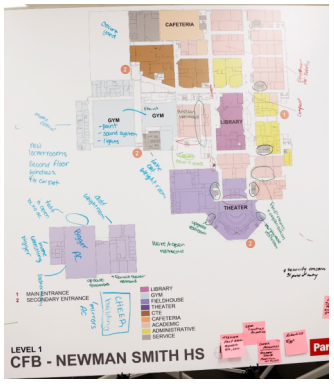
A Campus Culture of Innovation that's modern, adaptable, and focused on greatness.

Discovery

Newman Smith High School

2024-04-02 USER FOCUS: SCHOLARS - Student and School Culture








Discovery

Newman Smith High School

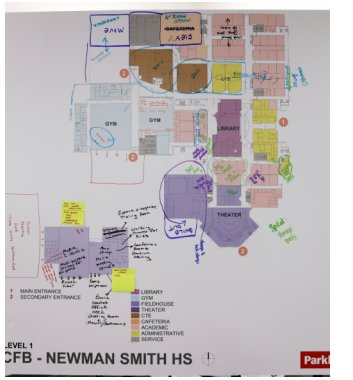
USER FOCUS – SCHOLARS - Takeaways

1. Provide more gathering spaces
2. Provide collaborative workspaces
3. Provide opportunities for individual focus work
4. Increase restroom access
5. Widen corridors
6. Increase daylight
7. Expand cafeteria
8. Provide media space to spread campus culture
9. Improve athletic areas

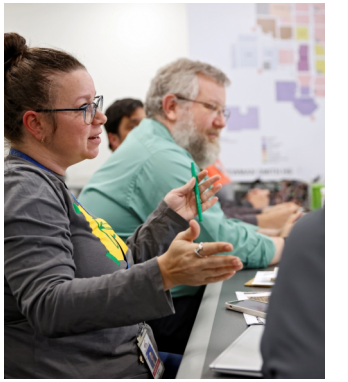
2024-04-02 USER FOCUS - Teaching at Newman Smith









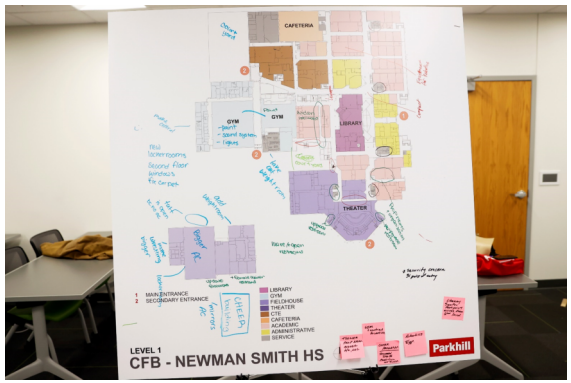
Discovery

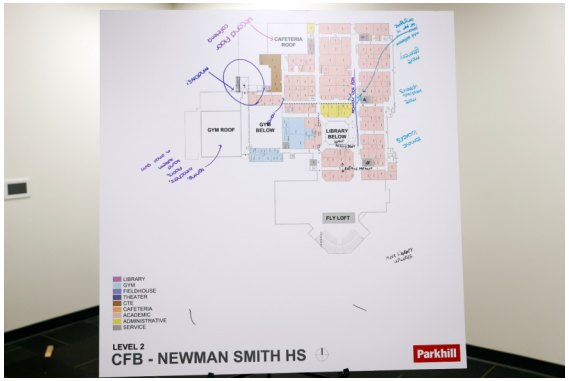
Newman Smith High School

USER FOCUS – PROFESSORS - Takeaways

1. **Provide flexible & expandable classroom spaces**
2. **Provide flexible furniture to support multiple teaching styles**
3. **Increase daylight**
4. **Increase dedicated storage and improve adjacencies**
5. **Increase flex space**
6. **Widen corridors**
7. **Replace gym ceiling**

SPACE PLANNING

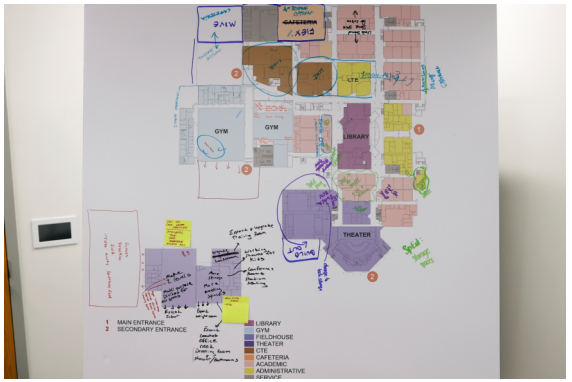










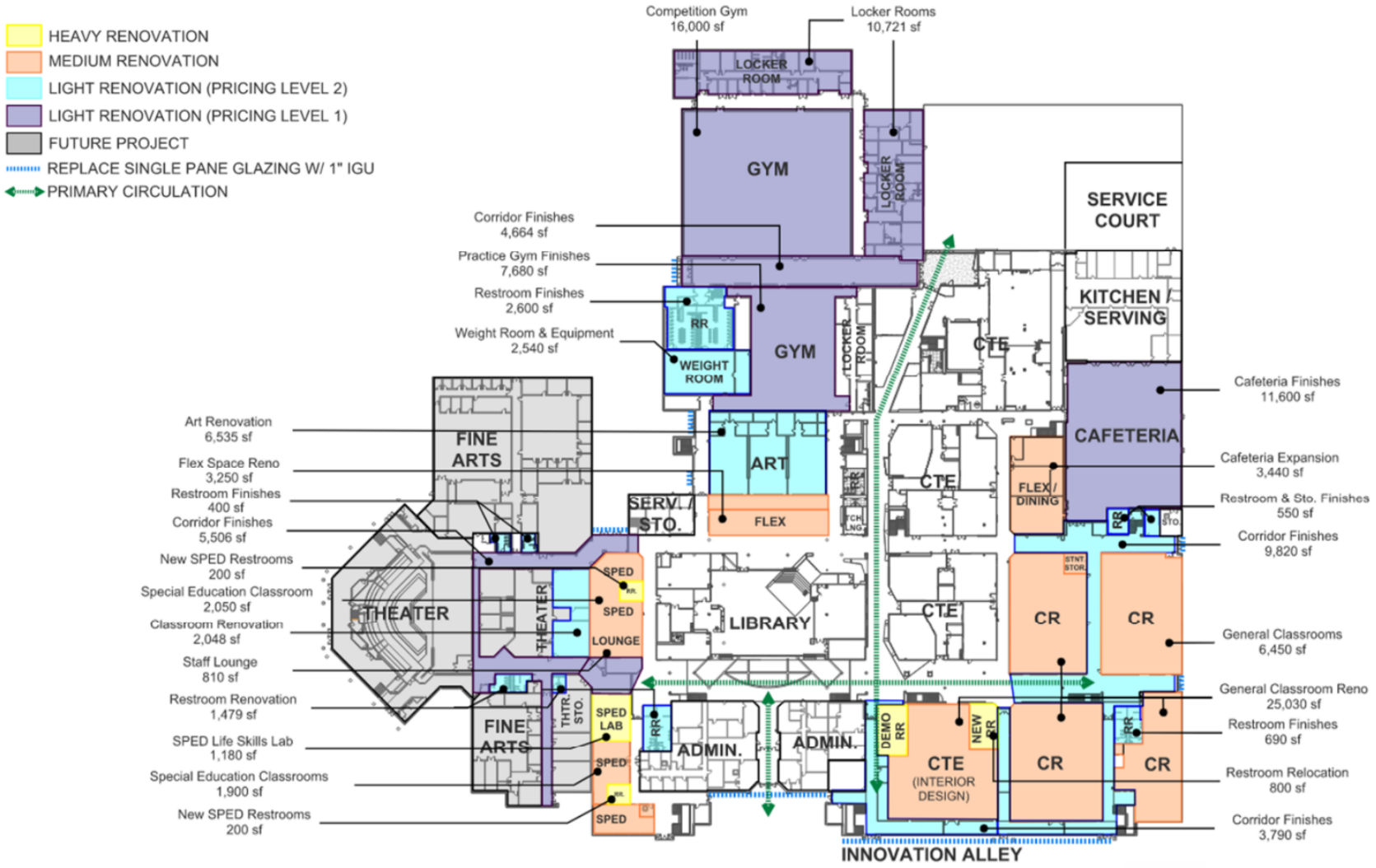


Discovery

Newman Smith High School

SPACE PLANNING - Takeaways

1. Expand circulation corridors
2. Emphasize innovation alley
3. Provide more gathering spaces
4. Increase & consolidate special education space
5. Expand cafeteria and eating location options
6. Provide better proximity to & expand dedicated storage
7. Provide more flexible space & flexible classrooms
8. Address acoustic transmission at dance above classrooms
9. Increase CTE space

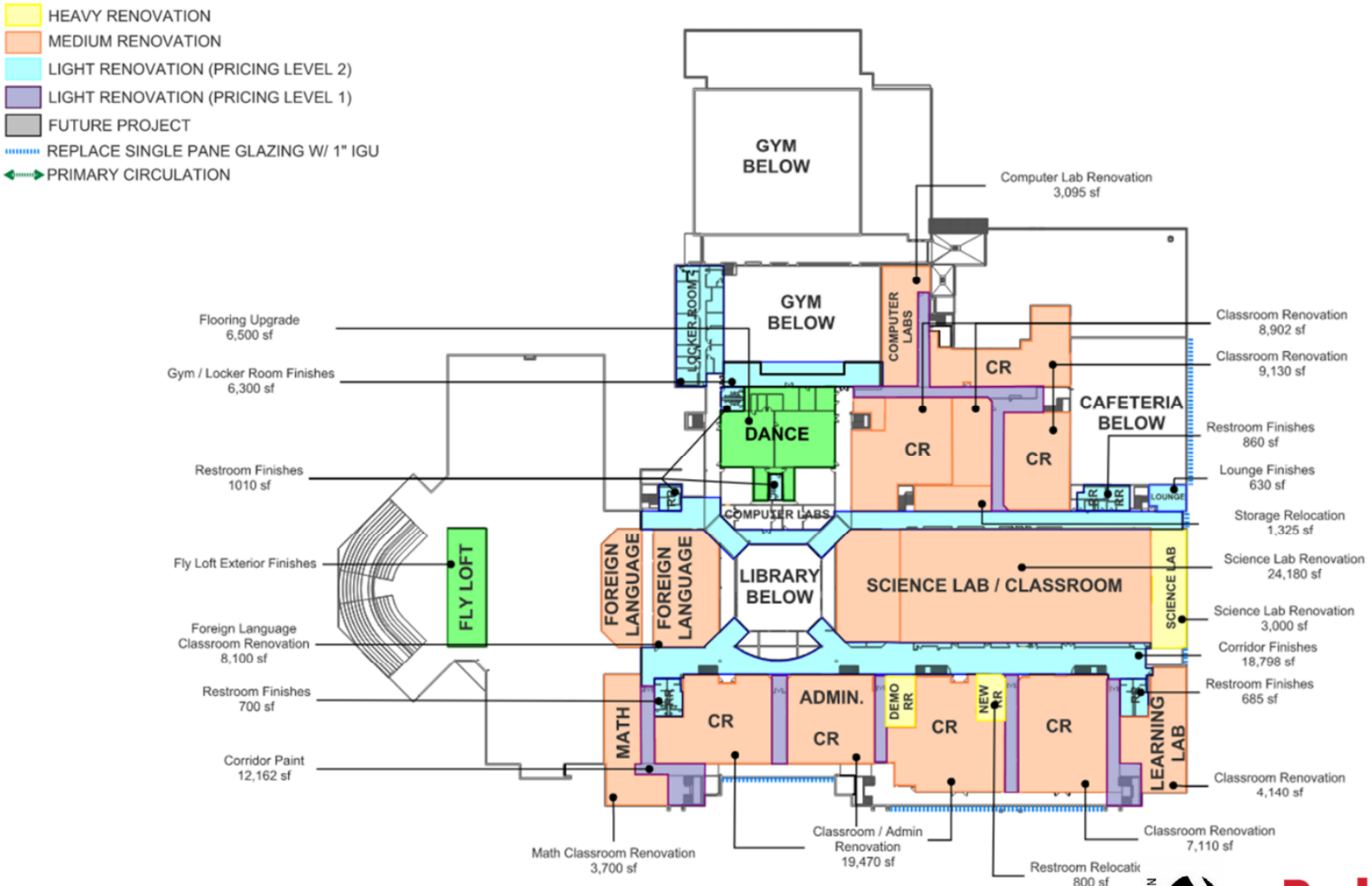


PROJECT LEVELS OF RENOVATION – SD - LEVEL 1

NOT TO SCALE

NORTH

Parkhill

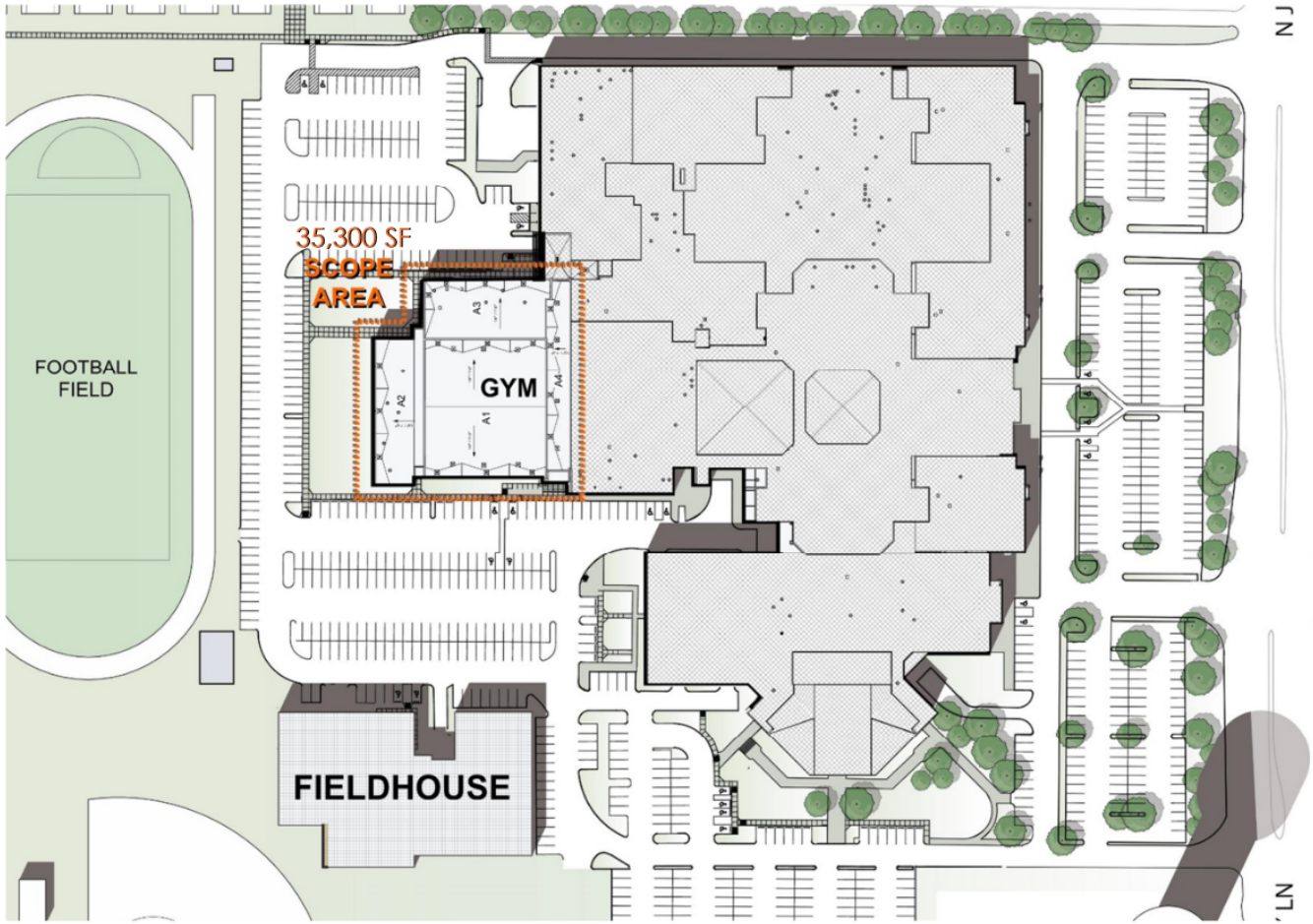


PROJECT LEVELS OF RENOVATION –SD - LEVEL 2

NOT TO SCALE

Parkhill

ROOF SCOPE



NOT TO SCALE

SCOPE OF WORK

2-PLY MODIFIED BITUMEN ROOF SYSTEM AT THE IDENTIFIED SCOPE AREA (COMPETITION GYM)

VACUUM EXISTING GRAVEL FROM THE ROOF SURFACE

PROVIDE 1/2" GYPSUM COVER BOARD, ADHERED IN HOT ASPHALT

PROVIDE 1- PLY MODIFIED BITUMINOUS BASE PLY, ADHERED IN HOT ASPHALT

PROVIDE 1 PLY MODIFIED BITUMINOUS MEMBRANE COOL CAP, CAP SHEET, ADHERED IN HOT ASPHALT

RAISE EQUIPMENT CURBS AND PIPING AS REQUIRED TO MEET MINIMUM FLASHING HEIGHTS

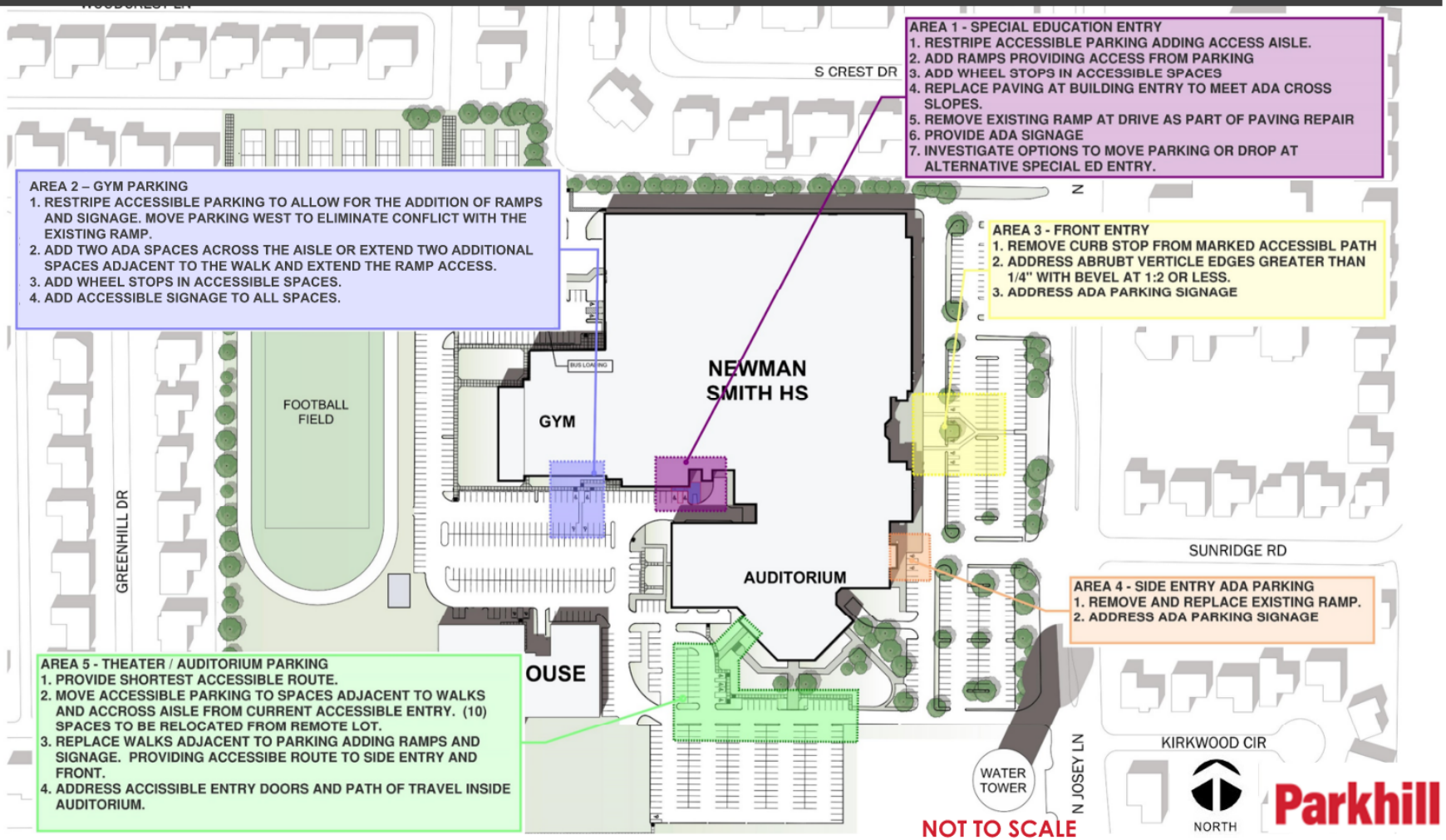
PROVIDE ALL ASSOCIATED METAL TRIM, FLASHINGS, GUTTERS, DOWNSPOUTS AND PRE-FINISHED COPING

PROVIDE 20 YEAR NO DOLLAR LIMIT(NDL) WARRANTY

NORTH

Parkhill

ACCESSIBILITY IMPROVEMENTS SITE PLAN



RENOVATION
FIRST FLOOR

- ADMIN
- LIBRARY
- CTE
- PHYSICAL EDUCATION
- SCIENCE
- GENERAL CLASSROOMS
- SPED
- FINE ARTS
- MULTIPUROSE
- FOOD & DINING
- RESTROOMS
- CORE SPACES



ROOM COUNTS: PROPOSED / EXISTING

CLASSROOM: 68 / 89
SCIENCE LAB / CLASSROOM: 13 / 17
SPECIAL EDUCATION: 5 / 4
CTE INTERIOR DESIGN: 2 / 3
CTE ARCHITECTURE: 2 / 3

RENOVATION
SECOND FLOOR

- ADMIN
- PHYSICAL EDUCATION
- SCIENCE
- GENERAL CLASSROOMS
- RESTROOMS
- CORE SPACES



ROOM COUNTS: PROPOSED / EXISTING

CLASSROOM: 68 / 89
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CTE INTERIOR DESIGN: 2 / 3
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NATURAL LIGHT







INTERIOR RENDERINGS


TO THE MOON & BACK
Parkhill


Parkhill


DESIGN HUB
Parkhill

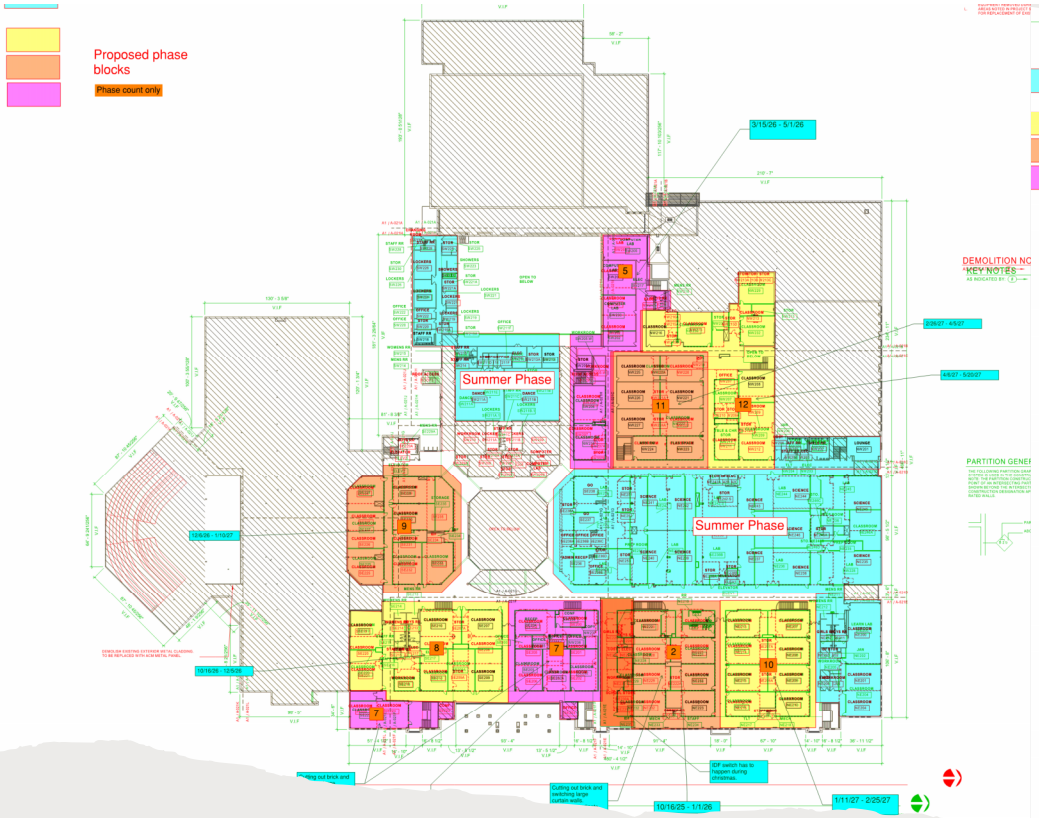

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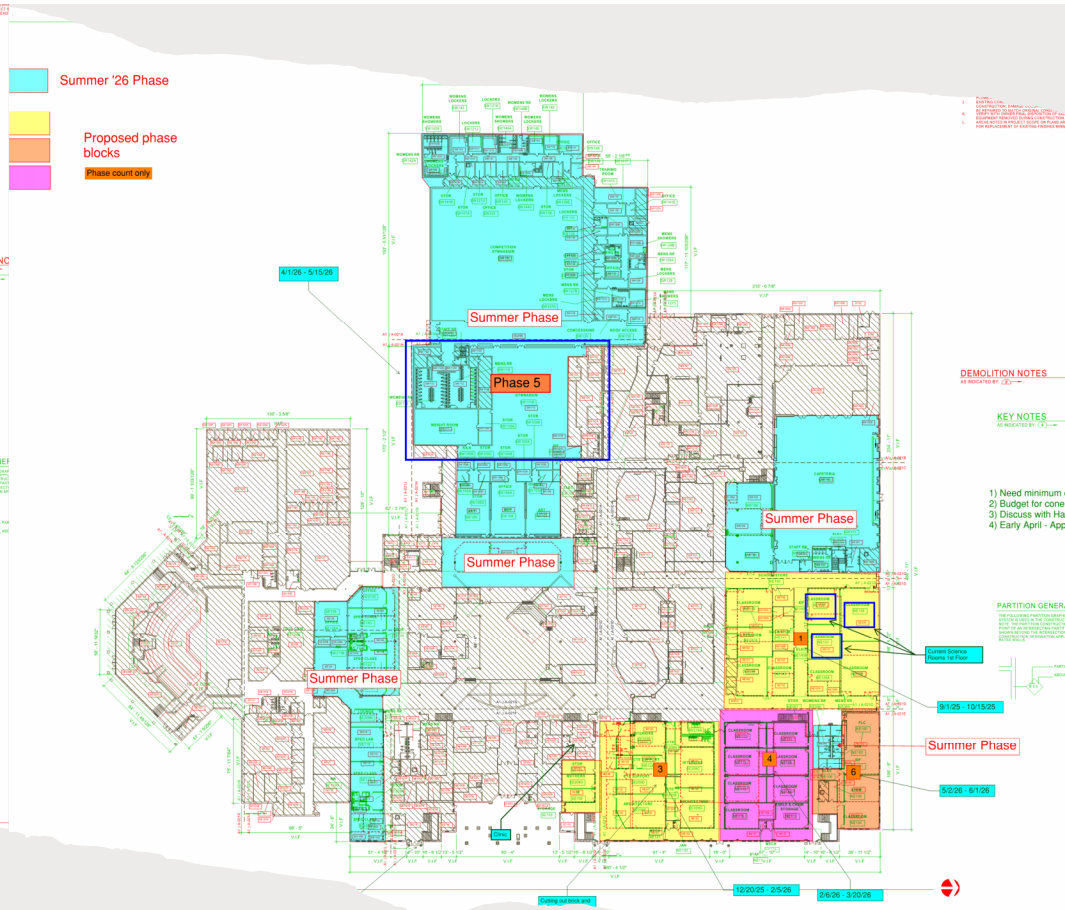





Parkhill


Parkhill





CONSTRUCTION PHASING COORDINATION

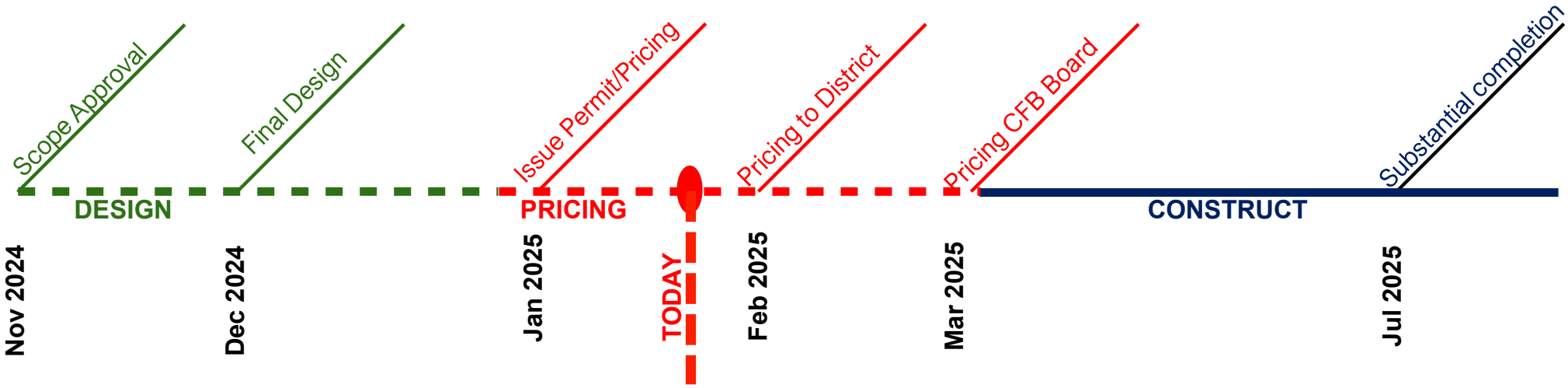

Building | Community
by creating INVENTIVE, RELEVANT built environments
TOGETHER
cfb
Parkhill



Ranchview HS – Engineering

Carrollton-Farmers Branch ISD

Parkhill



Timeline

Ranchview HS Robotics and Engineering

Stakeholder Engagement

- 2024-10-07 – Ranchview Tour – Feasibility Study
- 2024-10-11 – Turner Tour – Verify Equipment
- 2024-10-23 – Ranchview – Field Verification
- 2025-01-13 – Stakeholder page turn







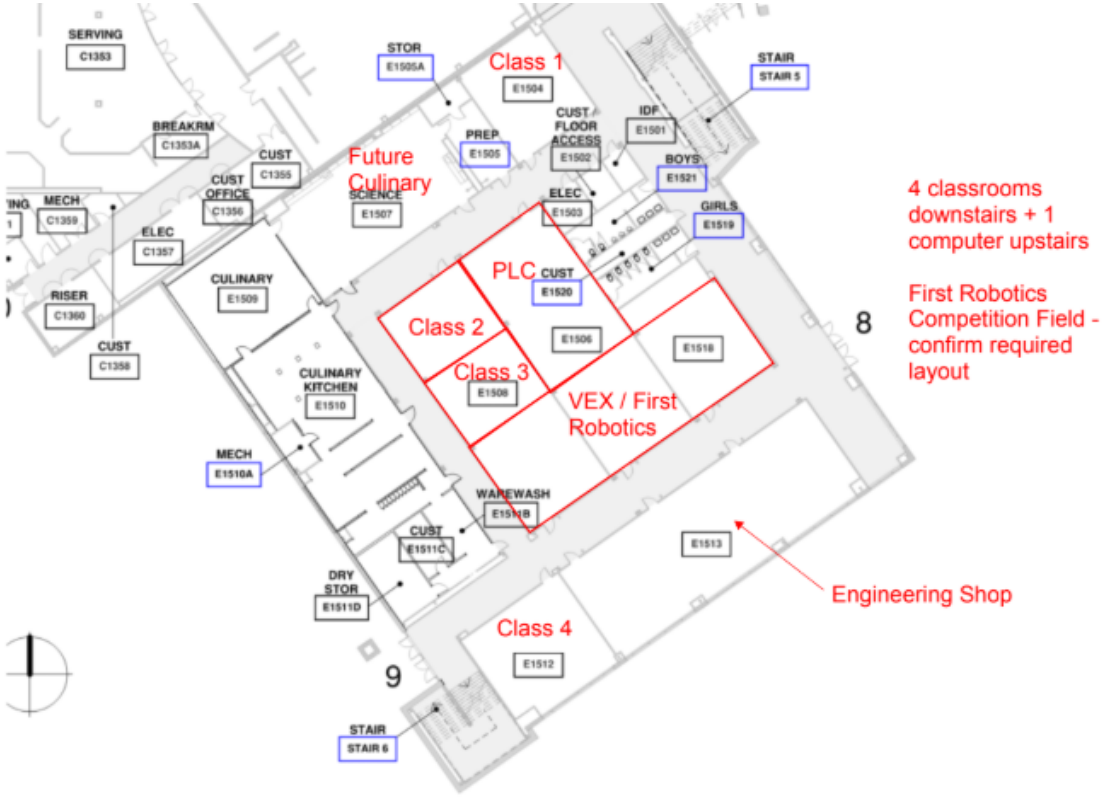






Scope of Work

Engineering



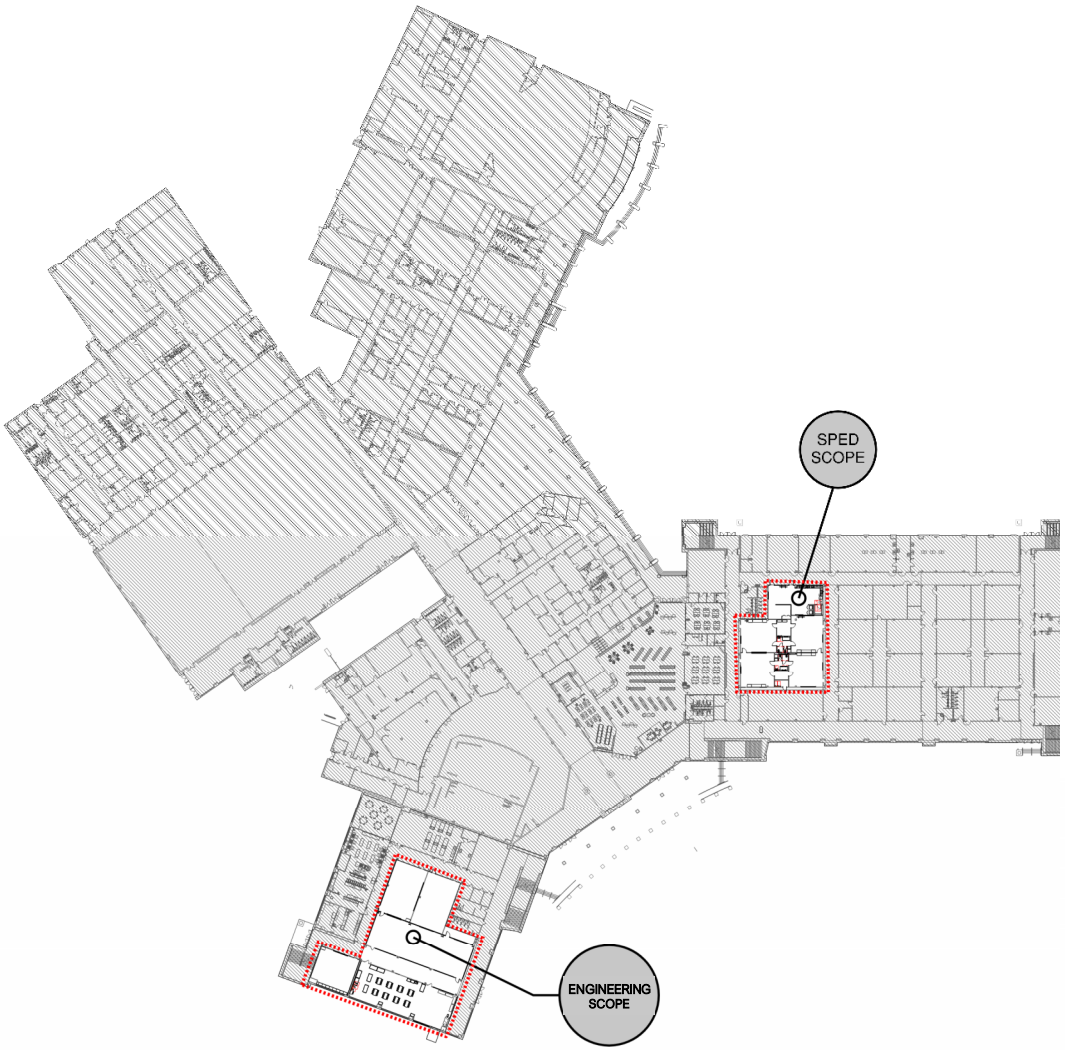
First Floor



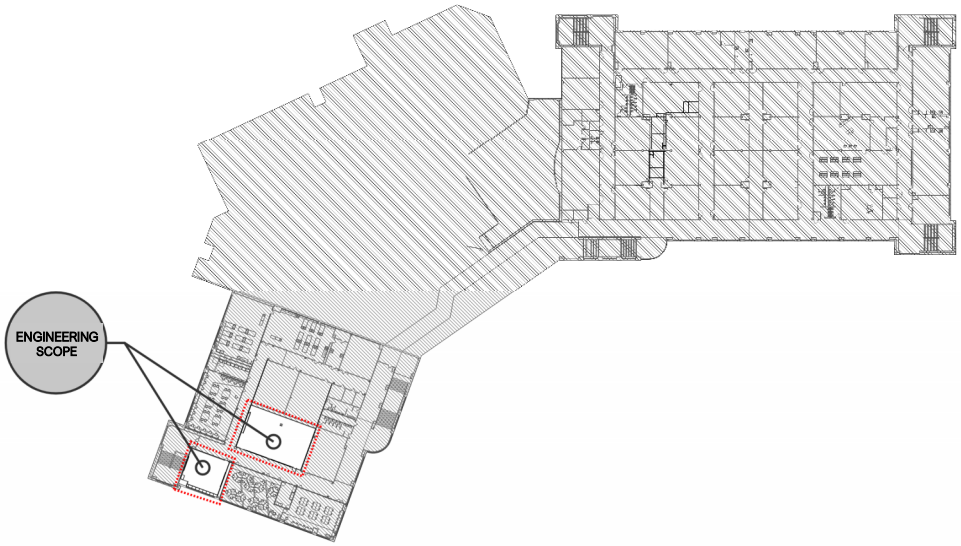
Second Floor

Scope of Work

Engineering



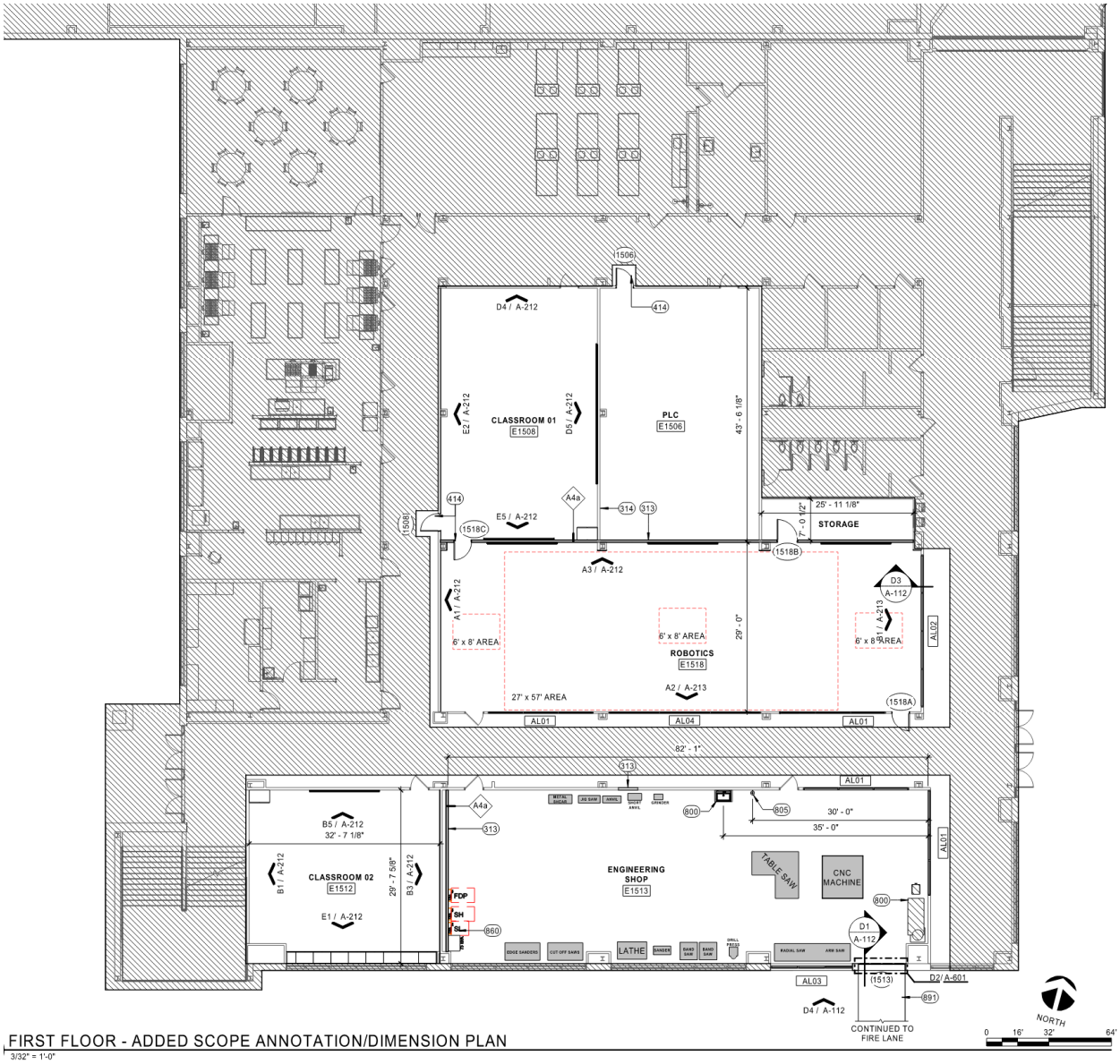
FIRST FLOOR - SCOPE OF WORK



SECOND FLOOR - SCOPE OF WORK

First Floor Plan

Engineering

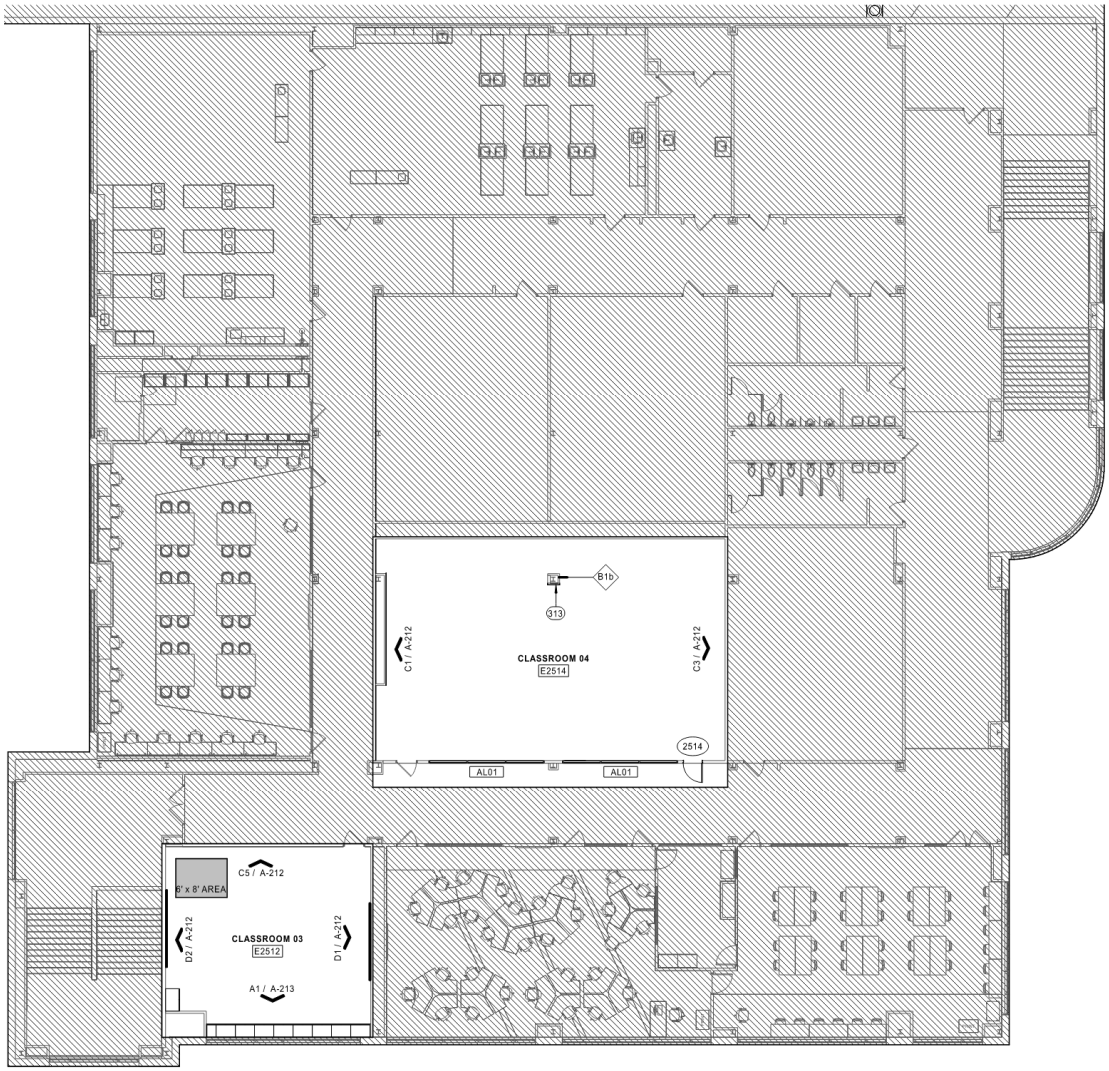


FIRST FLOOR - ADDED SCOPE ANNOTATION/DIMENSION PLAN

3/32" = 1'-0"

Second Floor Plan

Engineering



SECOND FLOOR - ADDED SCOPE ANNOTATION/DIMENSION PLAN

3/32" = 1'-0"

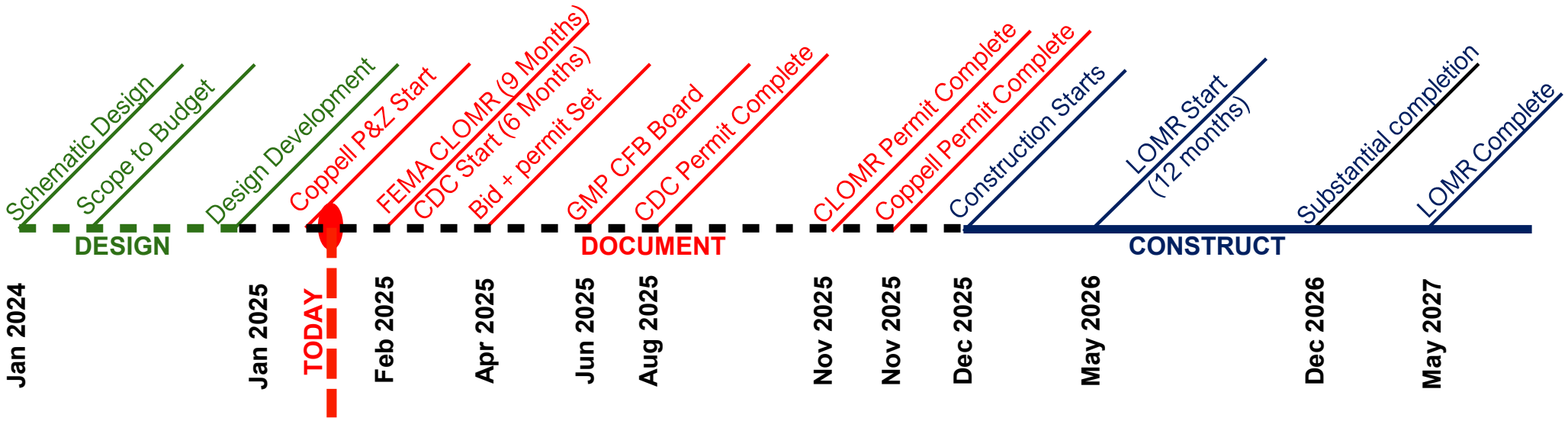

Building | Community
by creating INVENTIVE, RELEVANT built environments
TOGETHER
cfb
Parkhill



Ag Science & Outdoor Learning Center

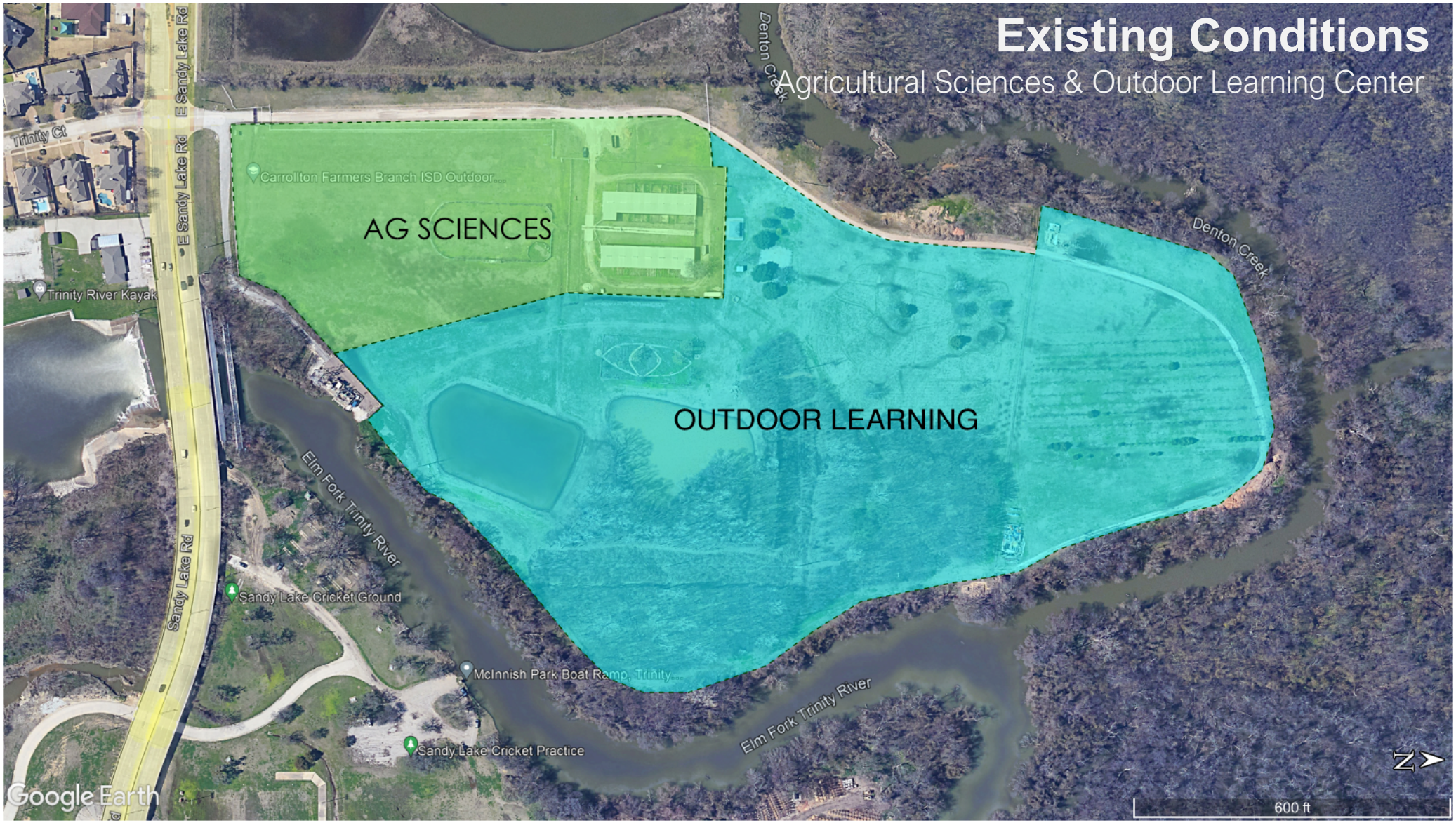
Carrollton-Farmers Branch ISD

Parkhill



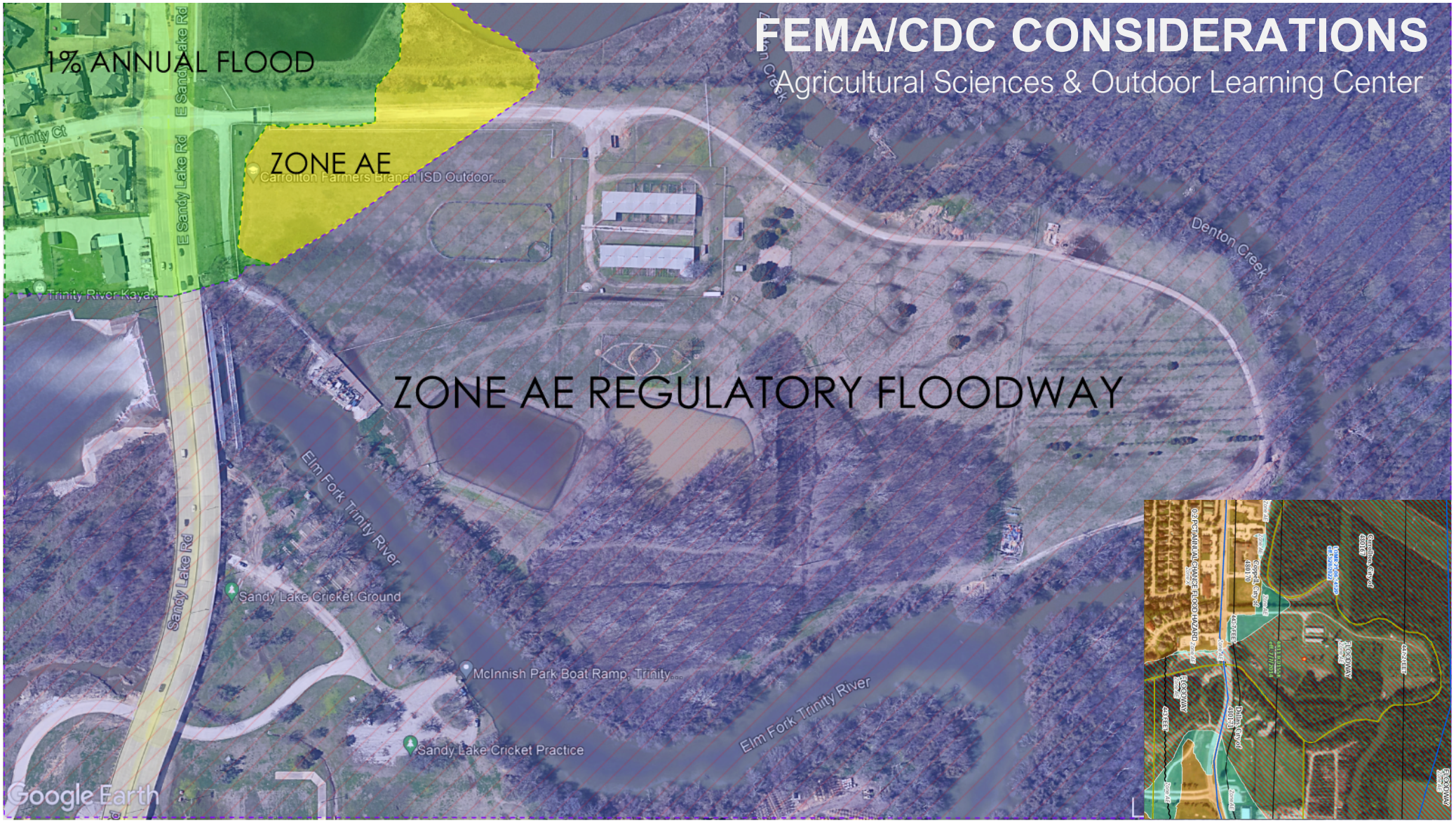
Timeline

Agricultural Sciences & Outdoor Learning Center


Existing Conditions
Agricultural Sciences & Outdoor Learning Center
AG SCIENCES
OUTDOOR LEARNING
Carrollton Farmers Branch ISD Outdoor...
Trinity River Kayak
Trinity Ct
E Sandy Lake Rd
Sandy Lake Rd
Denton Creek
Elm Fork Trinity River
Sandy Lake Cricket Ground
McInnish Park Boat Ramp, Trinity...
Sandy Lake Cricket Practice
Google Earth
N
600 ft

FEMA/CDC CONSIDERATIONS

Agricultural Sciences & Outdoor Learning Center



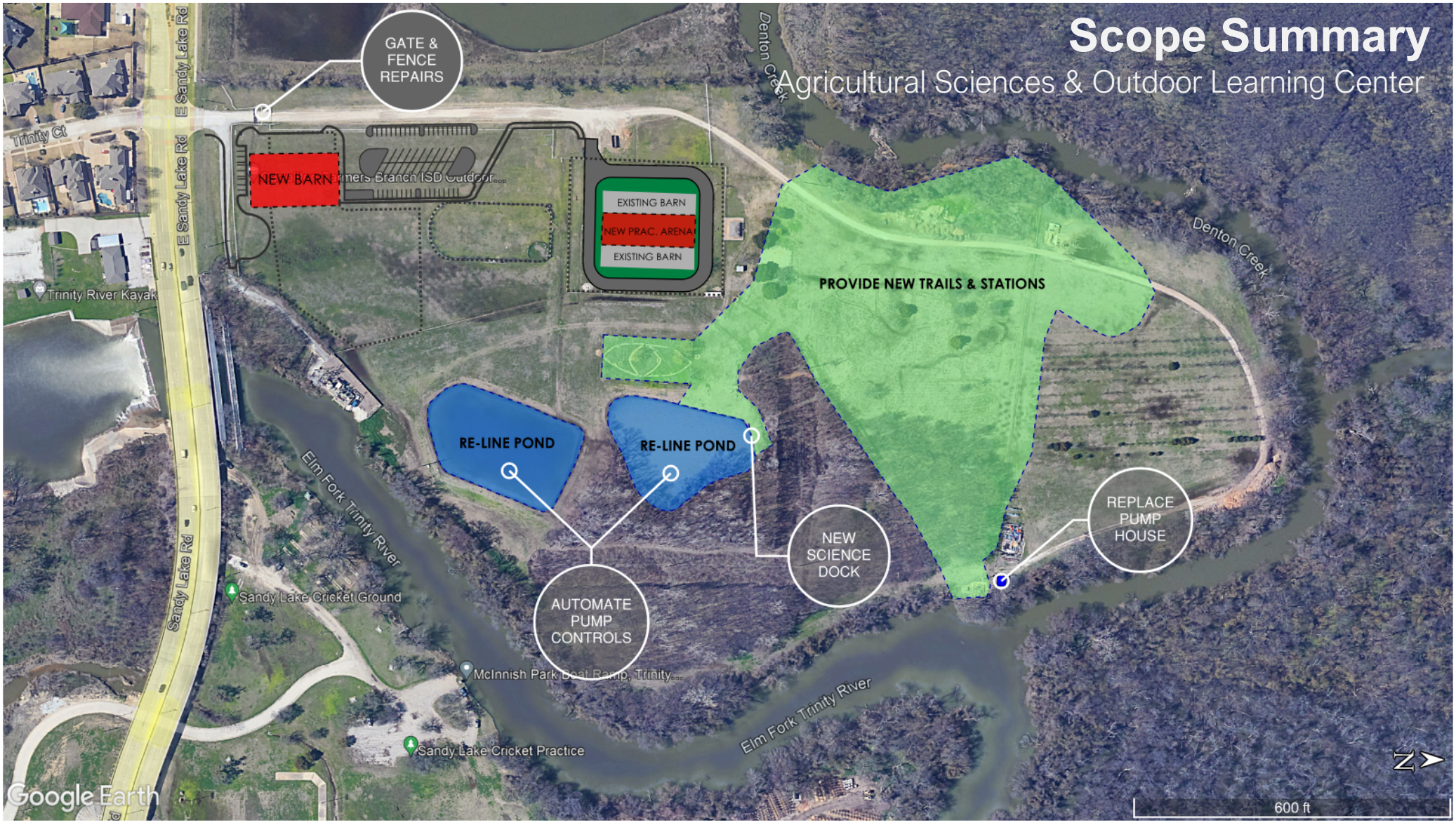
Stakeholder Engagement

- 2024-01-23 – Scope Overview
- 2024-02-05 – On-Site Stakeholder Tour
- 2024-02-09 – NWISD Facility Tour
- 2024-02-21 – On-Site Field Trip Observation
- 2024-02-23 – LISD Facility Tour
- 2024-02-29 – Design Charette #1
- 2024-03-05 – Allen/Arlington/Crowley Tours
- 2024-03-26 – Design Charette #2
- 2024-04-02 – City of Coppell Pre-Development
- 2024-06-26 – Flood Study Conference
- 2024-11-22 – Cost Estimate Review
- 2024-12-05 – Stakeholder Update (AG)
- 2024-12-12 – Stakeholder Update (Science)









Scope Summary
Agricultural Sciences & Outdoor Learning Center
GATE & FENCE REPAIRS
NEW BARN
EXISTING BARN
NEW PRAC. ARENA
EXISTING BARN
PROVIDE NEW TRAILS & STATIONS
RE-LINE POND
RE-LINE POND
NEW SCIENCE DOCK
REPLACE PUMP HOUSE
AUTOMATE PUMP CONTROLS
E Sandy Lake Rd
Sandy Lake Rd
Trinity Ct
Trinity River Kayak
Denton Creek
Denton Creek
Elm Fork Trinity River
Elm Fork Trinity River
Sandy Lake Cricket Ground
Sandy Lake Cricket Practice
Google Earth
600 ft

1
STRATEGY

Establish Scope
Develop Process
Decision Methodology

2
CURIOSITY

Understand the Challenge
Ask Questions
Prepare Research

3
DISCOVERY

Gather Inspiration
Search for Meaning
Frame Opportunities

4
CREATION

Generate Ideas
Create Concepts
Define

5
DEVELOP

Refine Ideas into Solutions

6
BUILD

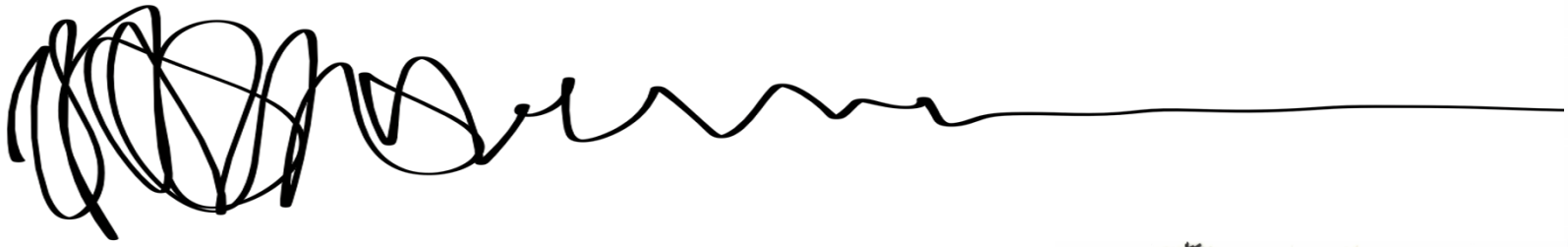
Document Build Solution
Construct Solution

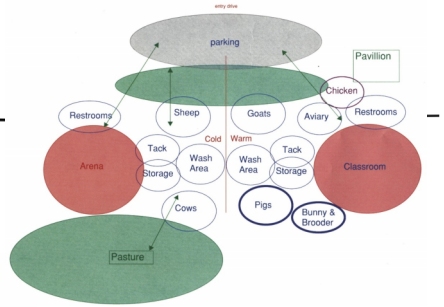
7
TEST

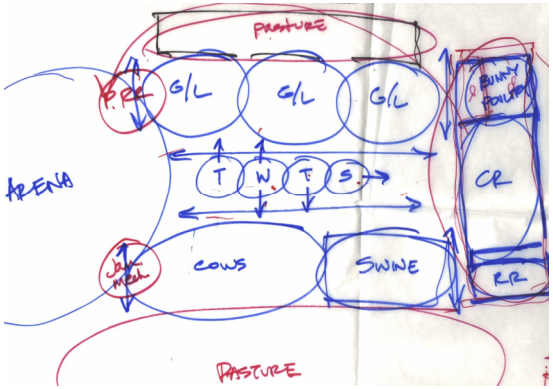
Occupy and Observe
Experiment
Track Measurable Data

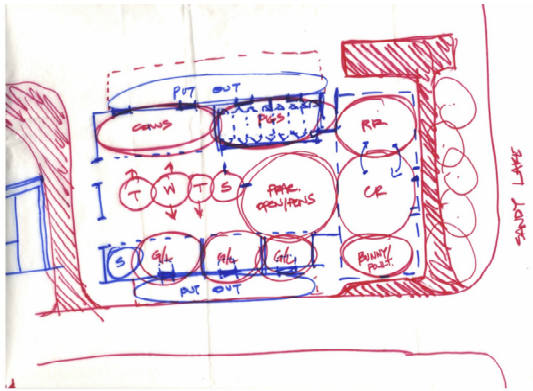
8
TUNE

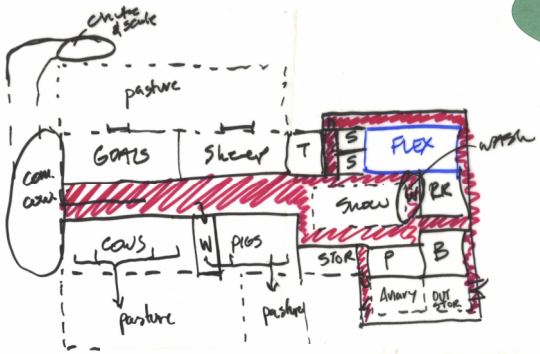
Adjust Variables
Assess Change

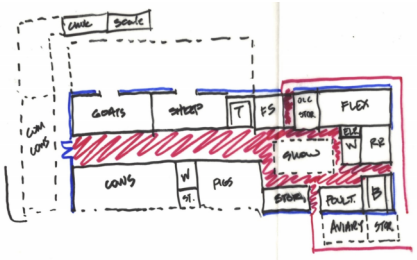


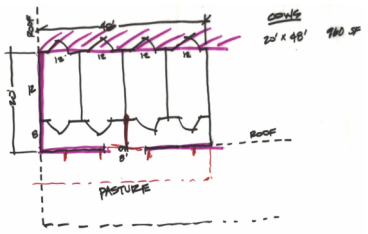


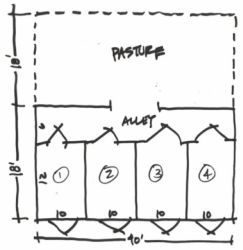


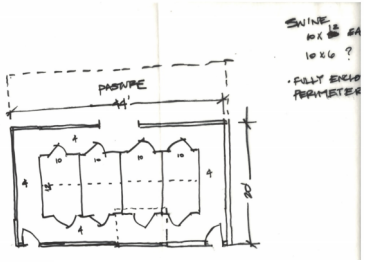












Process

Agricultural Sciences

Programming

Agricultural Sciences

Parkhill

Carrollton Farmers Branch Ag Barn
Space Program

Space ID#	Program Space	Qty Req'd	Animal Count/ Occupant Load	SF/Space	Total SF	Requirements	Details
1	Bunny Room	1	50-75	600	600	Conc. Flor	25'X12'
						Ventillation	50-75 Units
						Amonia Detectors	30"X30"X18"
						Temperature Control	Stacked 4 High
						Cleanable Walls	Assumes 6' wide aisle between two rows
2	Bird Room	2	Market	200	200	Gender Seperated	Proposing 4 separate Pens
		4	Show				
2.1	Aviary	1		144	144		
3	Sheep Pen	4	12	120	480	24 SF per animal min.	10' X 12'
						8" curbing to retain shaving	
						Concrete Floors	
						4' high walls	Lamb/goat wire for ventillation
						Door to outdoor area all pens open to same corral	
						Heat	
						Fans	
3.1	Sheep Alley	1		240	240	Open to Pasture	Turnout for all pens
4	Goat Pen	4	16	120	480	20 SF per animal min.	10'X12'
							4 Goats per Pen
4.1	Goat Alley	1		240	240	Open to Pasture	Turnout for all pens
5	Swine Pen	5	5	120	600	Automatic Watering System	
6	Small Animal Wash	1	6	350	350	4-6 stations	
						Bollard Hitch	
						Isolated Pig area	
7	Small Animal Storage	1	1	150	150		
8	Small Animal Tack	1	1	150	150	6 SF/ Student - 15 Students - Tack Boxes 9" X 51" X 16"	Heavy Duty Shelving
9	Feed Storage	1	1	150	150		
10	Lamb Feed Storage	1	1	80	80		
11	Show Cattle	4	2	144	576	144 SF per animal min.	12' X 12'
						Concrete Floor with cedar shavvings	
12	Cattle Alley	1	1	288	288	Padded alley to turn-out pasture	6' X 48'
						Door to outdoor area	
13	Commercial Cattle (Covered)	8	4	150	1200	10' X 15' Covered	
14	Commercial Cattle (Outdoor)	8		300	2400	10' X 15' Outside	
						Chute system	
						Certified Scale	
15	Cattle Wash	1	2	300	300	Tall Bollard Hitch	
16	Cattle Tack	1	1	150	150		
17	Practice Arena	1		10000	10000		
18	General Storage	1	1	300	300		
19	CTE Storage	1	1	300	300		
20	Flex Lab	1	15	750	750		
20	Women's RR	1	-	200	200		
21	Men's RR	1	-	200	200		
22	Janitor	1	1	80	80	Mop Sink	
23	IT	1	1	80	80		
24	Mechanical	1	1	100	100		
25	Electrical	1	1	100	100		
			Area Sub Total		18344		
			Circulation Factor (20%)		3668.8		
			Area Grand Total		22012.8		

New Barn Numbers

Small Animal

Rabbits

Numbers: 50-75 rabbits. We need to be able to house at least 50 at one time with the option to add more.

- Students on average can show up to 50 rabb student right now who has around 10- 15.
- We project the number of students to show ra because of our demographics. Students will r keep their projects at the barn.

Cage size: 30 x 30 x 18 Modular Wire ; Preferably more space in the rabbit room.

Cage Example

Plastic Cage Trays (For droppings) size: 30 x 30 in

Tray Example

Example of stackable pens that would line the wall



Structural Requirements

- Concrete flooring
- Adequate Ventilation to lower ammonium levi
- Ammonium detection alarms
- Temperature controlled room
- Easily cleanable walls like tile. (Rabbit tend to



Poultry

Numbers: 15- 20 pens (4 birds per pen)

Pen size: 8 sq. feet. a 10x4x6 pen could handle 4-5 large fowl.With a built in coop for night time.

Pen Example:

4' X 10' RUN

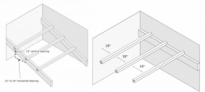
(three-sided)







Inside Space:
Dimensions: 4x4
Roost Posts
12" apart horizontally *and* 12-15" apart vertically



Swine

Dimensions can be the same as sheep. But it needs to have automatic water system.





Large Animal

Show Cattle: Each heifer or steer needs a minimum of 144 sf. of pen space

- 3-4 pens that are a minimum of 12x12' (one bovine per pen)
- Concrete floor with cedar shavings
- Padded alley to turn-out pasture
- Door to outdoor extension of pen that can be closed for inclement weather.

Sheep: Each lamb needs a minimum of 24 sf. of pen sp
4 pens that are 10x12' (up to 3 sheep per pen)



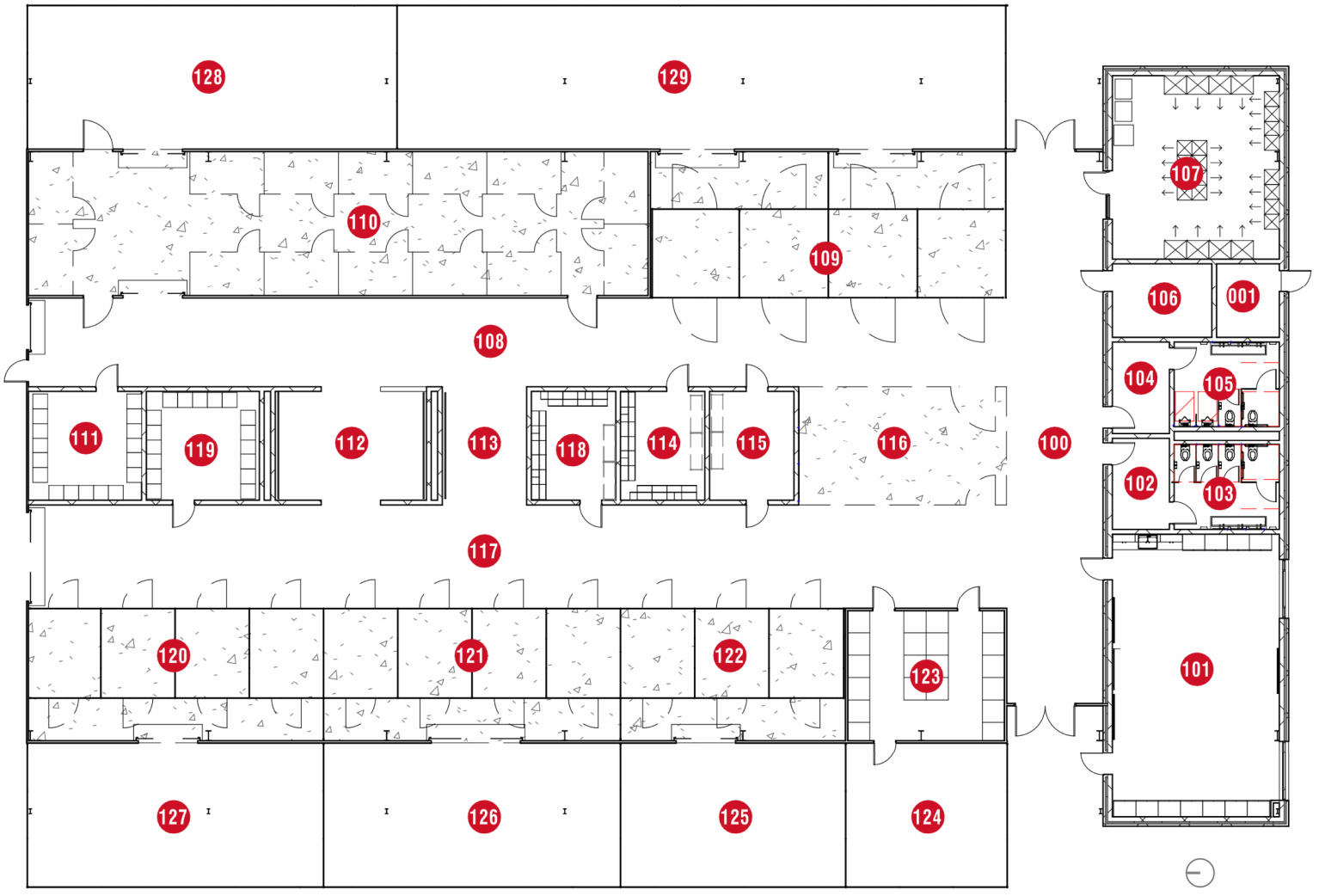
Requirements:

- Would need at least an 8" tall frame around each pen (to hold shavings in)
- Walls should be no less than 4' ft high
- Walls should be made out of lamb/goat wire for ventilation
- Concrete floors
- Doors that can be opened to an outdoor area or closed for inclement weather. All pens can open to the same corral.
- Heat
- Fans

Goats: Each goat needs a minimum of 20 sf pen space.
4 pens that are 10x12' (up to 4 goats per pen)
(same pen type as sheep)

Floor Plan

Agricultural Sciences



001	RISER
100	CORRIDOR
101	FLEX LAB
102	VESTIBULE
103	GIRLS RESTROOM
104	VESTIBULE
105	BOYS RESTROOM
106	ELECTRICAL/MECHANICAL
107	RABBITS
108	CORRIDOR
109	BOVINE
110	SWINE
111	TACK STORAGE
112	WASHING AREA
113	DRYING AREA
114	FOOD STORAGE
115	GENERAL STORAGE
116	HOLDING/EXERCISE
117	CORRIDOR
118	FOOD STORAGE
119	TACK STORAGE
120	GOATS
121	SHEEP
122	LAMB
123	POULTRY
124	AVIARY
125	LAMB PASTURE
126	SHEEP PASTURE
127	GOAT PASTURE
128	SWINE PASTURE
129	BOVINE PASTURE

Rendered Concept

Agricultural Sciences



View From Entry SW

Rendered Concept

Agricultural Sciences



From NW

Rendered Concept

Agricultural Sciences

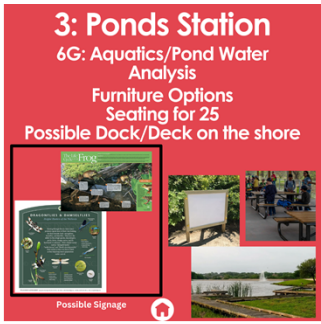


NE View From Ponds


Denton Creek
2nd Grade
4th Grade
6th Grade
Colored Dots 1-8 are locations of current stations
Pink Dots 8-11 are locations of proposed stations we would like to add to our programming
Process
Outdoor Learning Center
Sandy Lake Cricket Practice
Trinity River
Sandy Lake


1: Pavilion Station
2G: Seed Dispersal
4G: Seed Dispersal
6G: Microscope Study
Furniture Options
Seating for 120


2: Garden Station
2G: Pond Study
4G: Native Plant Garden
6G: Oh, Deer!
Furniture Options
Seating for 25
Nearer to the North Pond Display for frog and dragonfly lifecycle.


3: Ponds Station
6G: Aquatics/Pond Water Analysis
Furniture Options
Seating for 25
Possible Dock/Deck on the shore
Possible Signage


4: Nursery Station
2G: Habitat Comparison
Furniture Options
Seating for 25


5: Maze Station
2G: Camouflage Game
4G: Insect Study/Food Chain Game
Furniture Options
Seating for 25


6: North Bend Station
2G: Root Viewers/Plant Parts
4G: 3 Sisters
6G: Symbiosis
Furniture Options
Seating for 25
Possible Signage

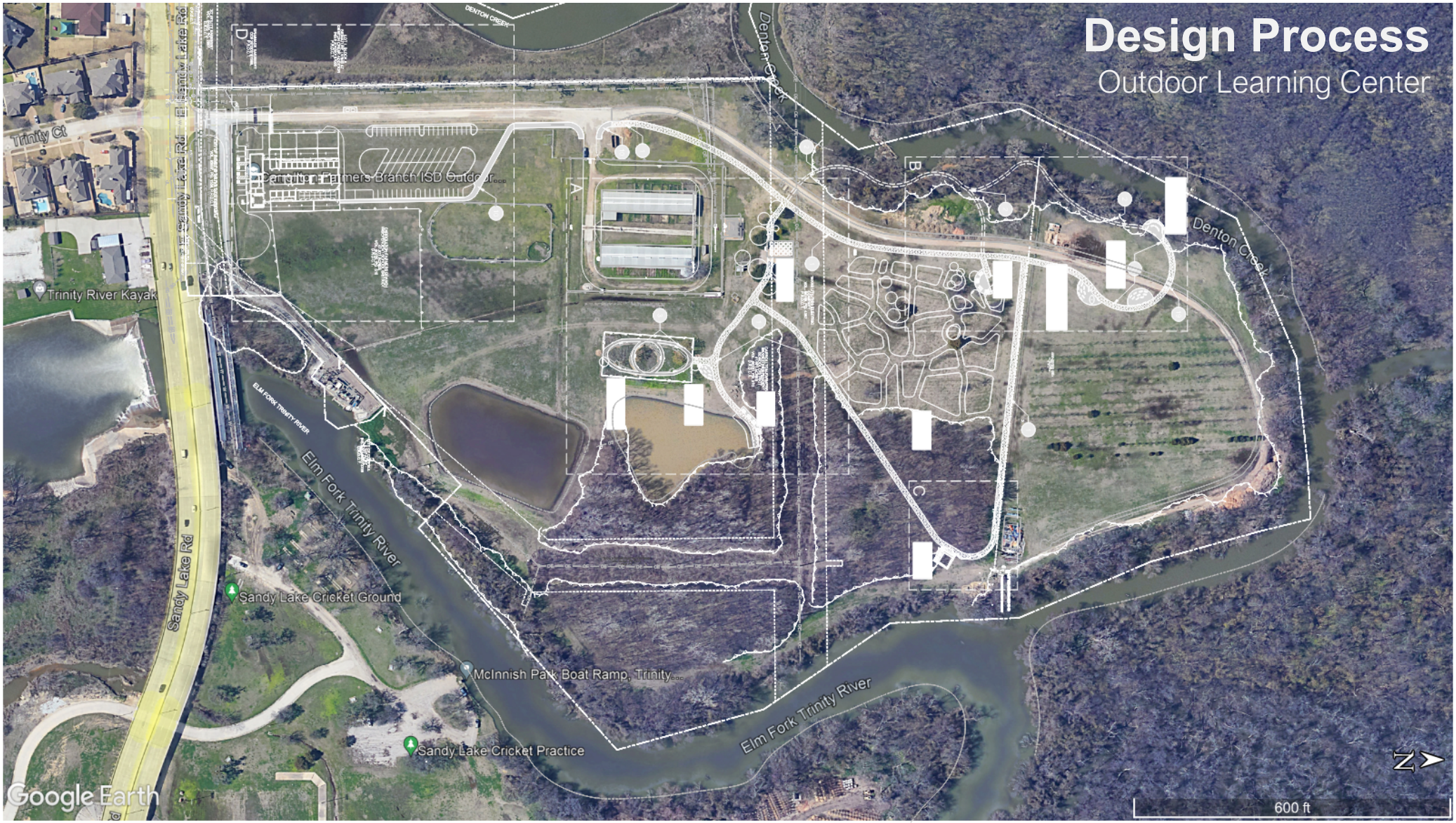

7: Fossil Station
4G: Fossil Dig* (possible move)
Furniture Options
Seating for 25
Shade need (not trees)


Proposed *New Additon
8: Trail Station
TBD: Book Walk?
Furniture Options
No seating, but trail posts to display book pages or parts of a story


Proposed *New Additon
9: Butterfly Garden
Furniture Options


Proposed *New Addition
10: Analemmatic Sundials
Furniture Options
Seating for 25


Proposed *New Addition
11: Renewable Energy Station
Furniture Options
Seating for 25


Design Process
Outdoor Learning Center
Trinity Ct
Sandy Lake Rd
Trinity River Kayak
Denton Creek
Elm Fork Trinity River
Sandy Lake Cricket Ground
McInnish Park Boat Ramp, Trinity...
Sandy Lake Cricket Practice
A
B
C
D
Google Earth
600 ft



Site Plan

Outdoor Learning Center


Building | Community
by creating INVENTIVE, RELEVANT built environments
TOGETHER
cfb
Parkhill

Advisory Group



CARROLLTON-FARMERS BRANCH ISD
BOND 2023

FACILITY PLANNING ADVISORY GROUP

PURPOSE:

- The Facility Planning Advisory Group is setting the criteria for CFB to make portfolio decisions and recommendations to the board

GOAL:

- Position CFBISD among the most competitive districts via efficient use of District funds and facilities

FACILITY PLANNING ADVISORY GROUP



FACILITY PLANNING ADVISORY GROUP

MEETING #2 & 3
NOVEMBER 13, DECEMBER 4

- Meeting 2 – Analyze data, begin criteria development
- Meeting 3 – Gain consensus on criteria

CONDITION & ADEQUACY

- Age and adequacy
- Alignment with current teaching practices

COST FOR QUALITY

- Appropriate staffing levels at schools
- Prioritization, location, alignment of programs

LOCATION

- Serve all areas
- Flexibility of the site

UTILIZATION

- Districtwide utilization, not just individual school
- Has to work across the district

UTILIZATION

Desired Outcome

- Target 85% utilization districtwide. Plan for minimum campus utilization at 75%, maximum 90%

Considerations

- Ensure classroom capacities are adjusted for programmatic needs (SPED, newcomers, etc.)
- Balance enrollment by implementing enrollment caps, rezoning, managing transfers to balance capacity
- Prioritize maintaining high school feeder patterns

CRITERIA FRAMEWORK

CONDITION & ADEQUACY

Do you support the desired outcome listed for Condition & Adequacy?

97% - I do support
3 % - I do not support

COST FOR QUALITY

Do you support the desired outcome listed for Cost for Quality?

93% - I do support
7 % - I do not support

LOCATION

Do you support the desired outcome listed for Location?

93% - I do support
7 % - I do not support

UTILIZATION

Do you support the desired outcome listed for Utilization?

98% - I do support
2 % - I do not support

NEXT STEPS

- **Jan.-Feb.** - Continue comprehensive materials development
- **Week of Feb. 6** - Notify principals at campuses identified for consolidation
- **Feb. 6** - Board presentation for recommended consolidation (Information only - no vote)
- **Feb. 7** - Faculty meetings at identified campuses before school
- **Week of Feb. 10** - Campus listening tours for parents and families
- **Week of Feb. 17** - Campus listening tours for parents and families
- **March 6** - Board presentation for recommended consolidation (Vote)

Committee Meetings



2023-24 School Year

- ~~10/26/23~~
- ~~01/23/24~~
- ~~04/23/24~~
- ~~07/23/24~~
- ~~09/05/24 (Board report)~~

2024-25 School Year

- ~~10/22/24~~
- ~~01/28/25~~
- 04/22/25
- 07/22/25
- 09/04/25 (Board report)

2025-26 School Year

- 10/28/25
- 01/27/26
- 04/28/26
- 07/28/26
- 09/03/26 (Board report)

2026-27 School Year

- 10/27/26
- 01/26/27
- 04/27/27
- 07/27/27
- 09/02/27 (Board report)