

FREDERICK COUNTY PUBLIC SCHOOLS

WAVERLEY ELEMENTARY EAST COUNTY ELEMENTARY

SCHEMATIC DESIGN PROPOSAL

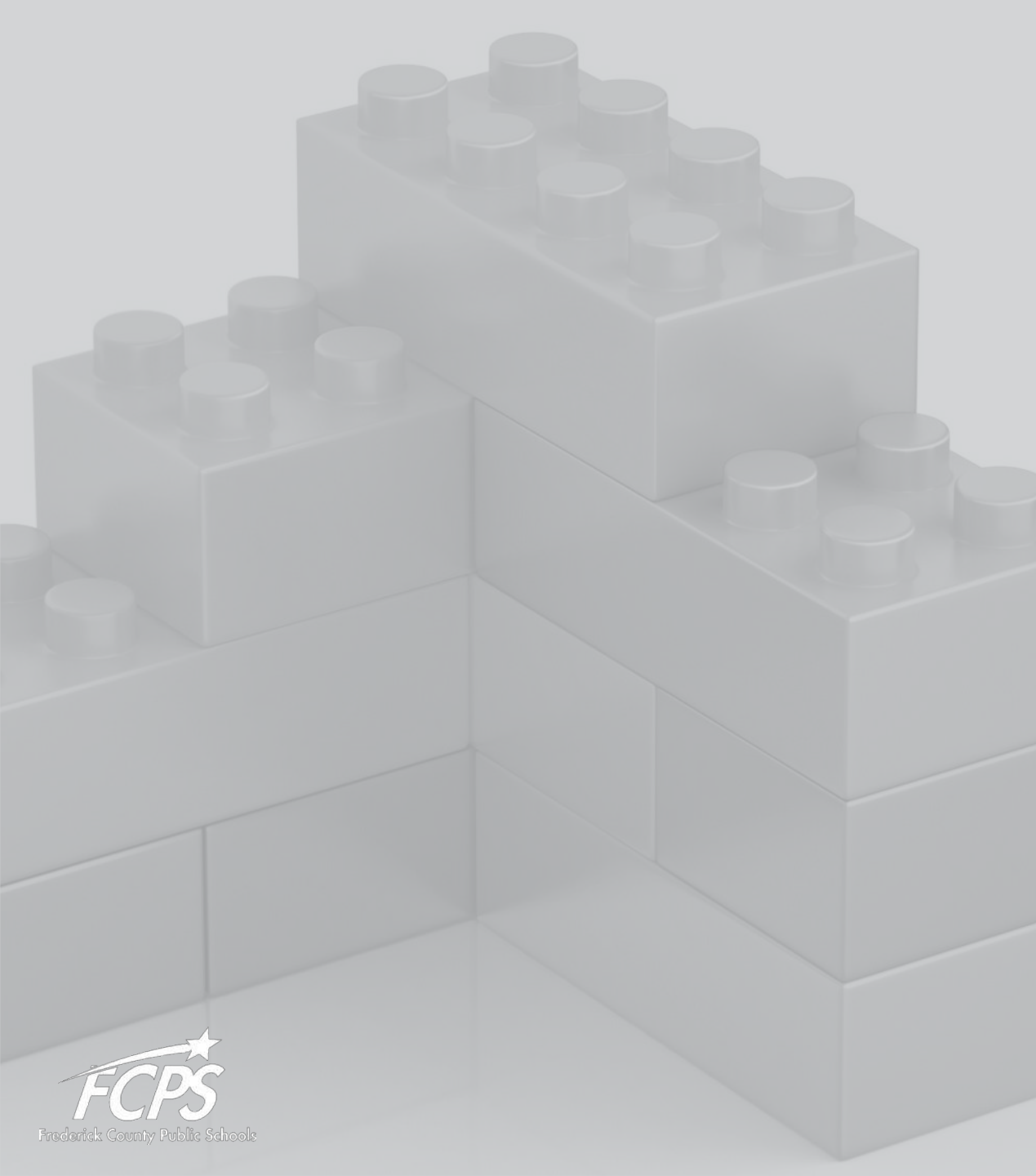
January 24, 2019

AGENDA | OBJECTIVES

- RECAP
 - Guiding Principles
- Potential Site Options
- Potential Floor Plans
- Materiality
- Review of Action Items
- Schedule
 - Upcoming milestone(s)
 - Next meeting (date and topics for discussion)

GUIDING PRINCIPLES

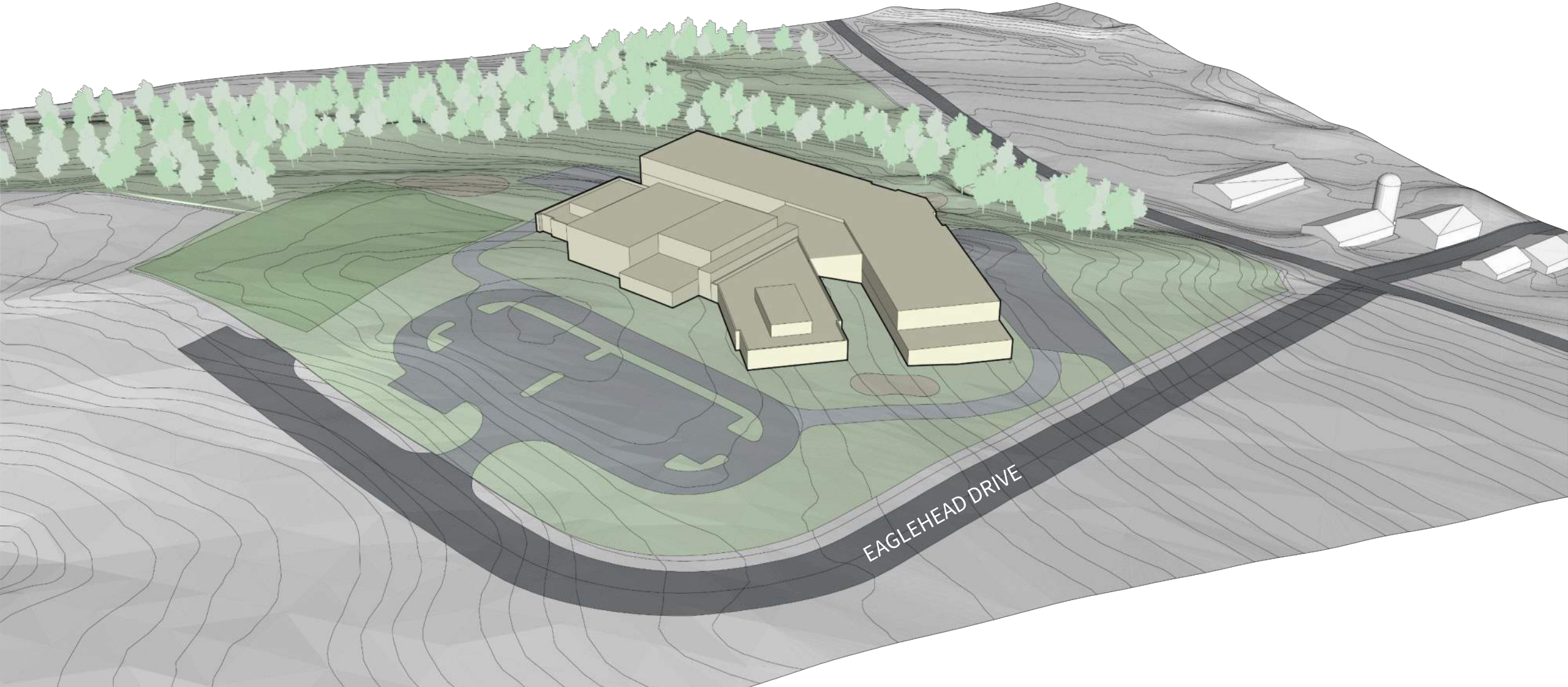
- Establish regularity; promote flexibility.
- Emphasize standardization.
- Ease site adaptability.
- Pursue a compact footprint.
- Utilize cost-effective solutions.
- Maximize durability and sustainability.



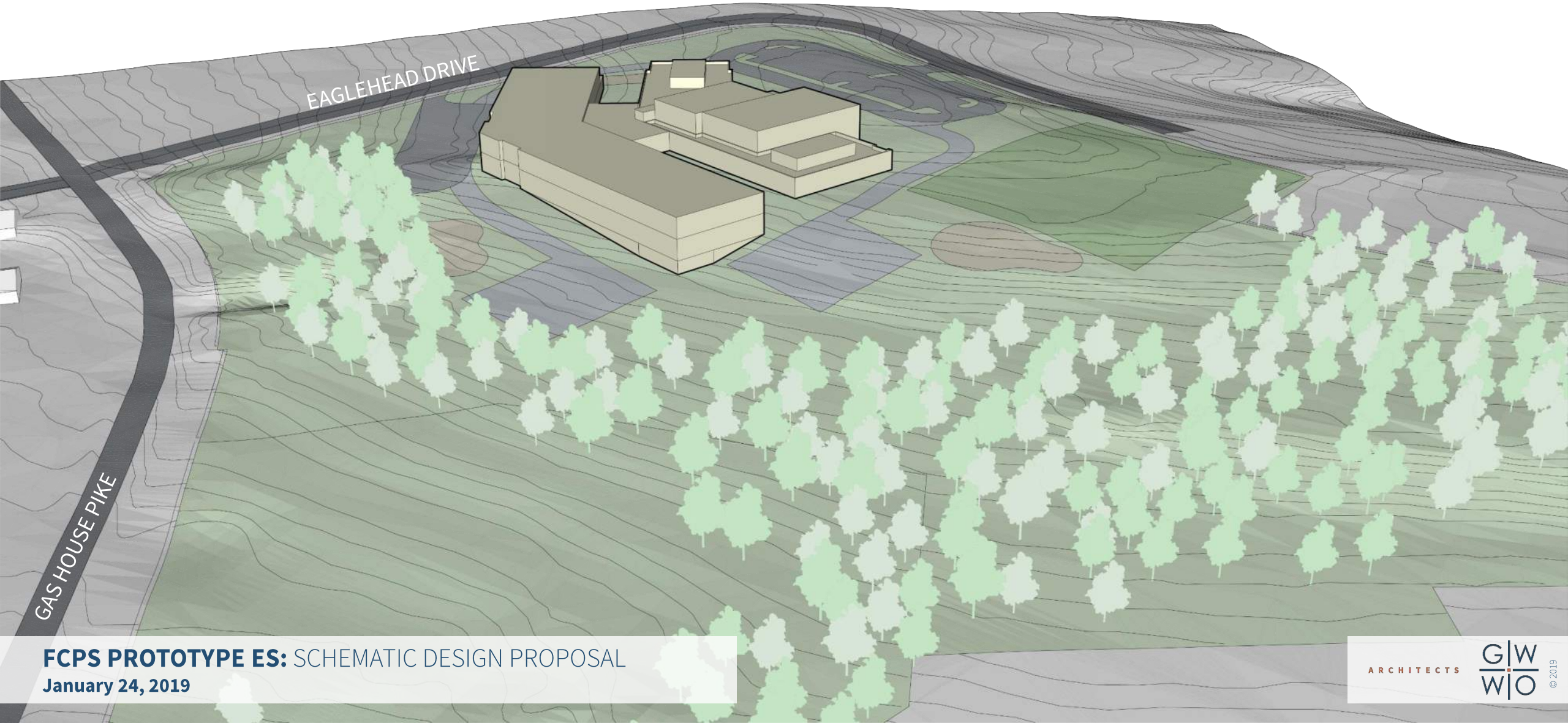
SITE LAYOUT

EAST COUNTY

ECAES – POTENTIAL SITE PLAN

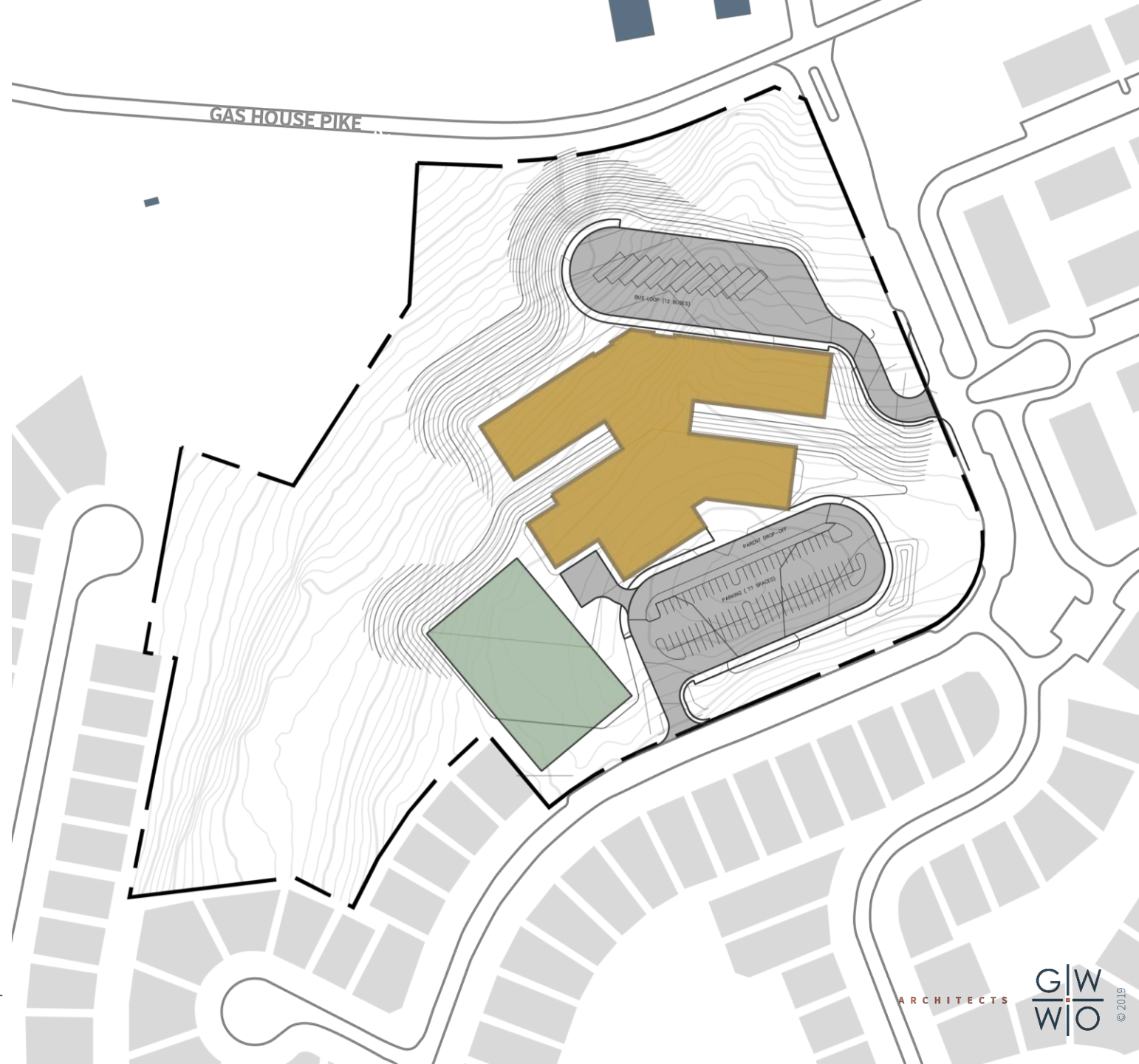


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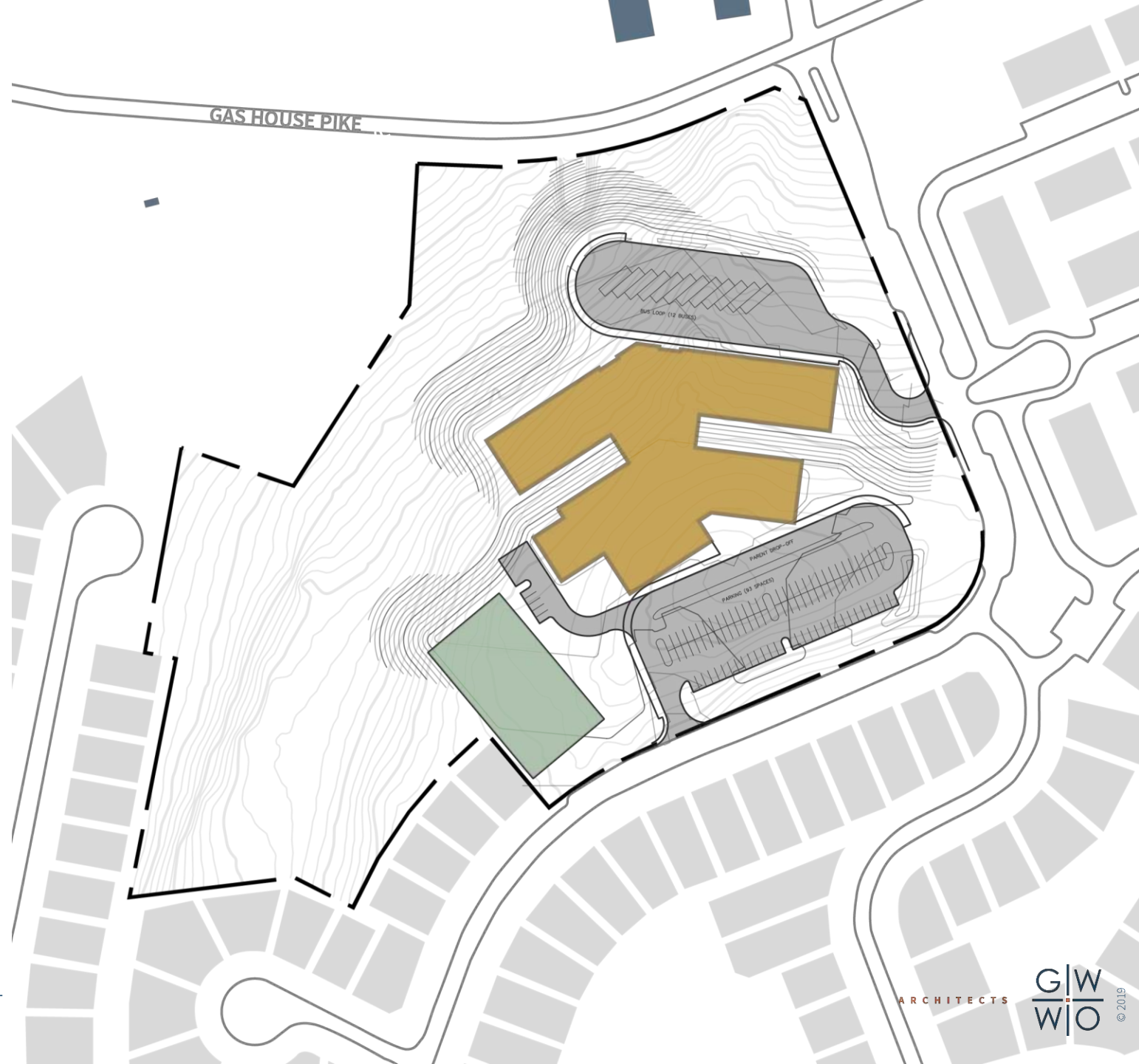


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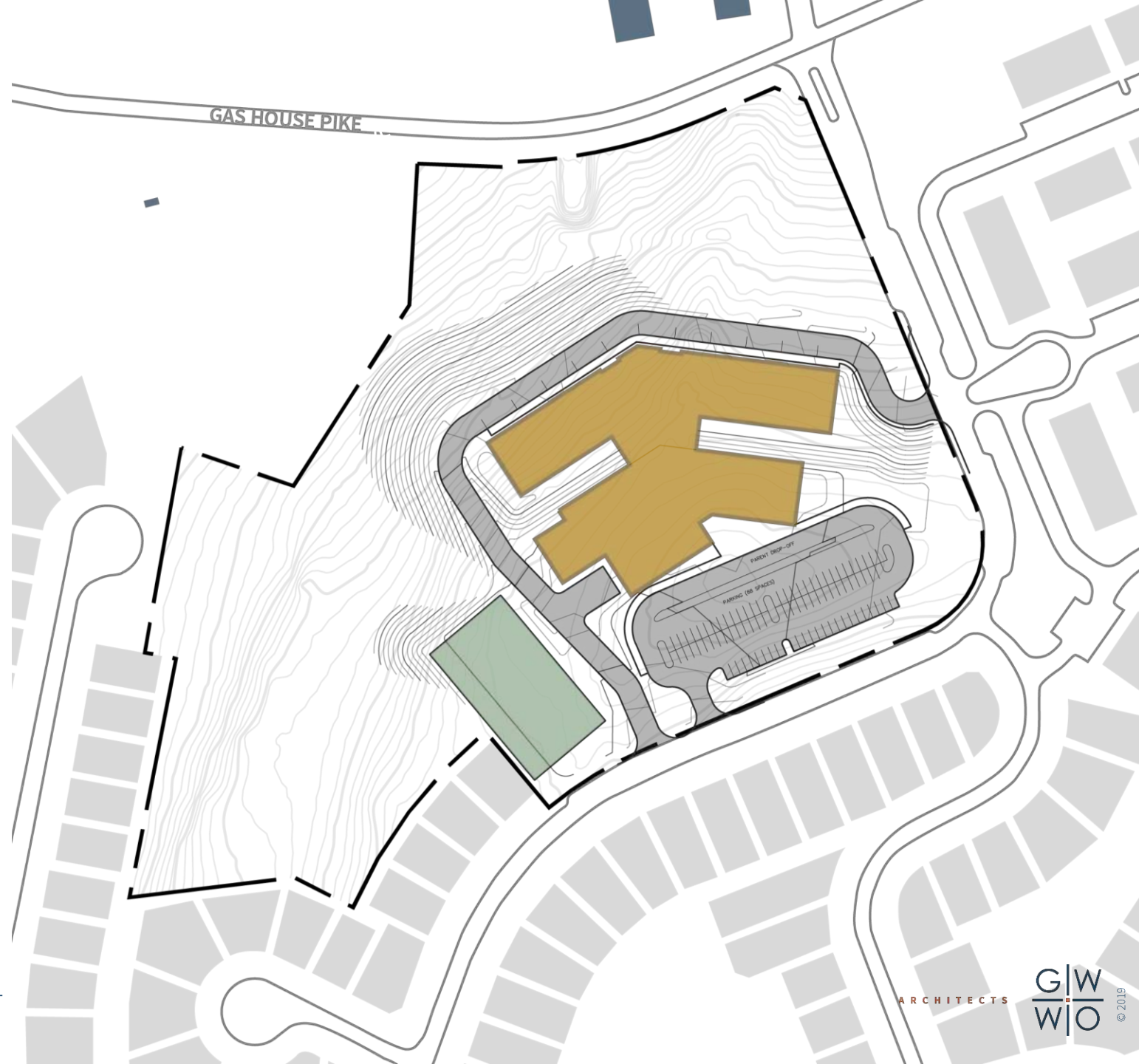
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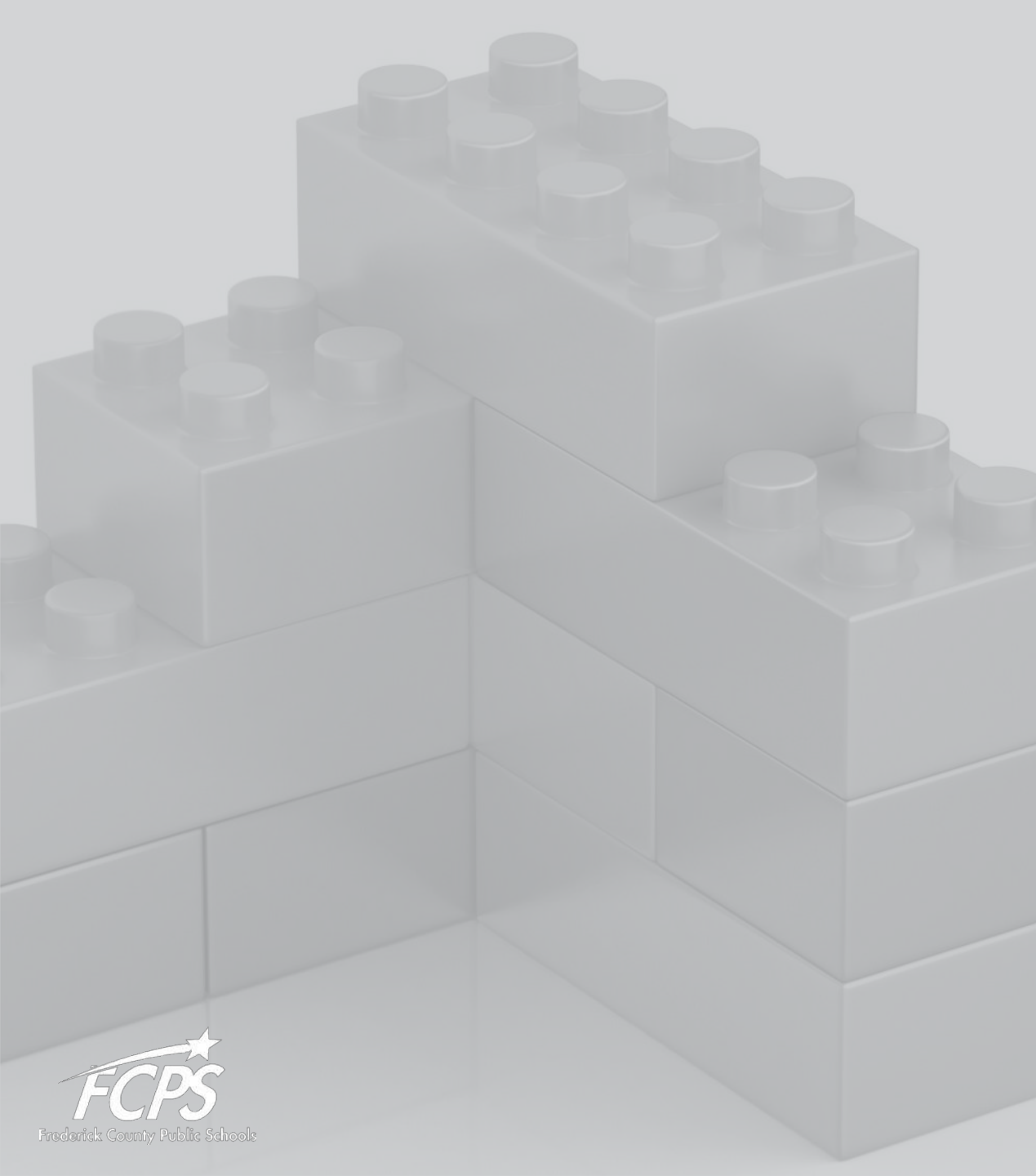
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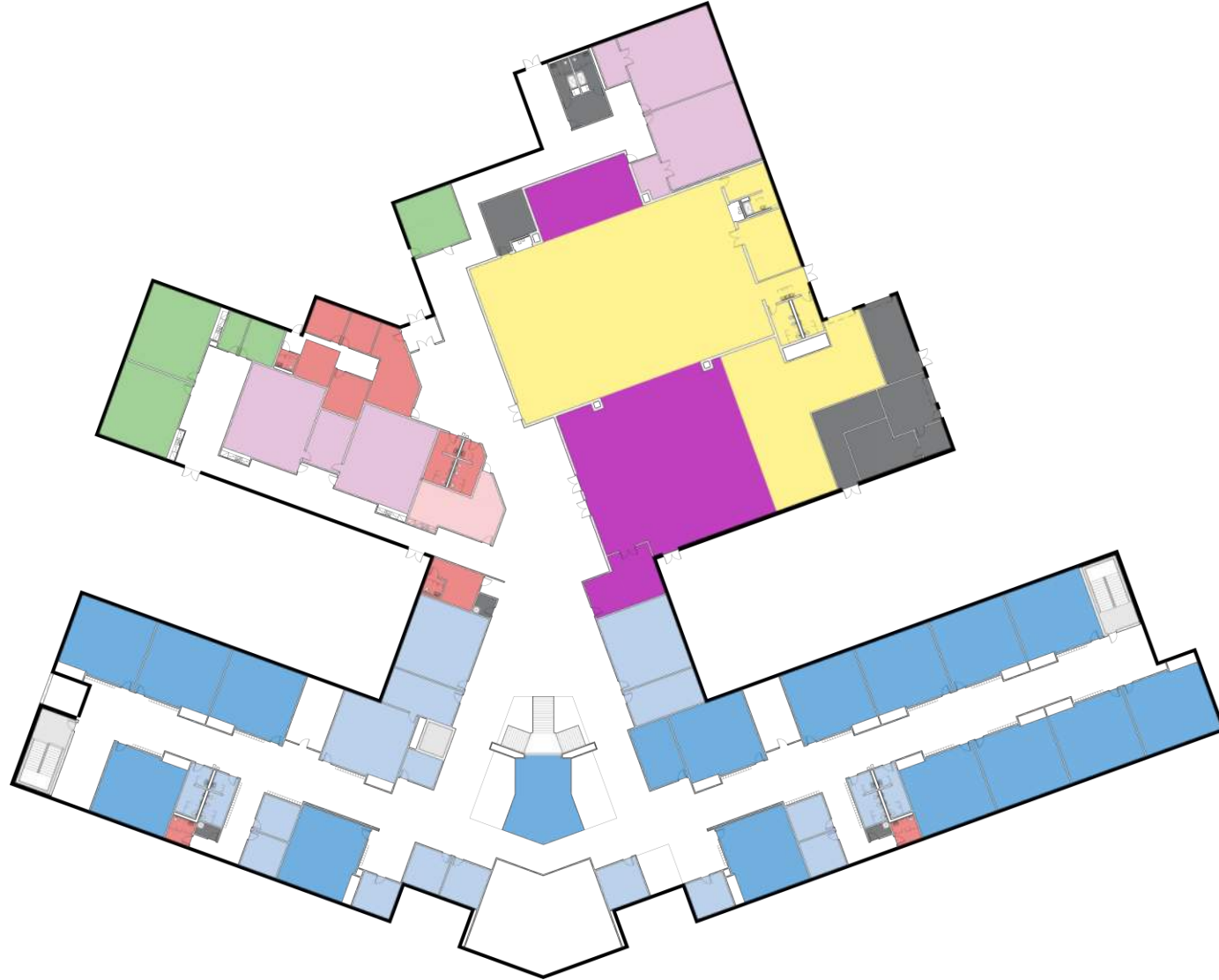
BUILDING PLANS

EAST COUNTY

ECAES – POTENTIAL PLAN

MAIN LEVEL

- Classroom
- Creative Classroom
- Learning Support
- Custodial
- Building Support
- Vertical Circulation
- Media Center
- Cafeteria
- Assembly
- Administration
- Health Suite
- Specialty Program



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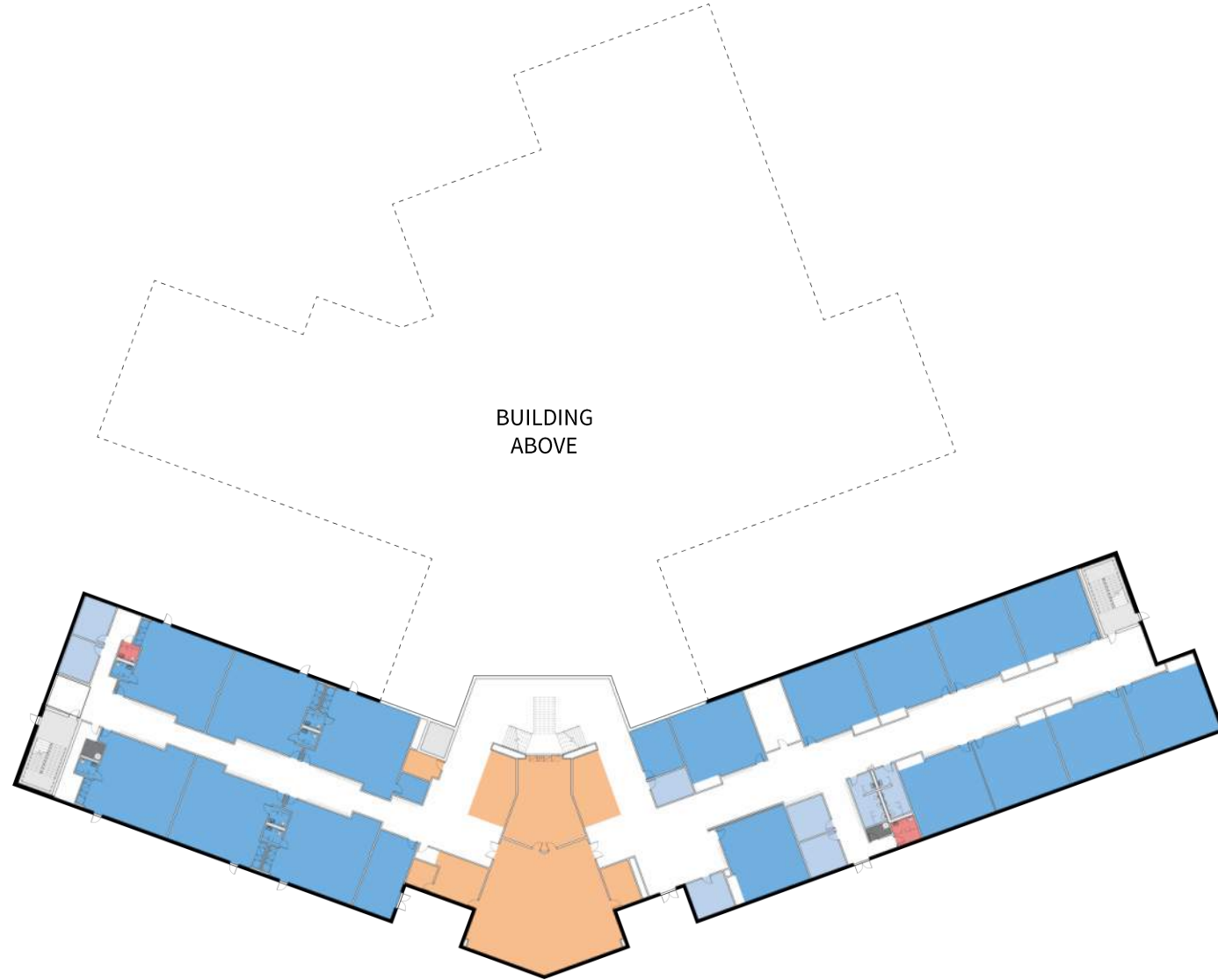
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LOWER LEVEL

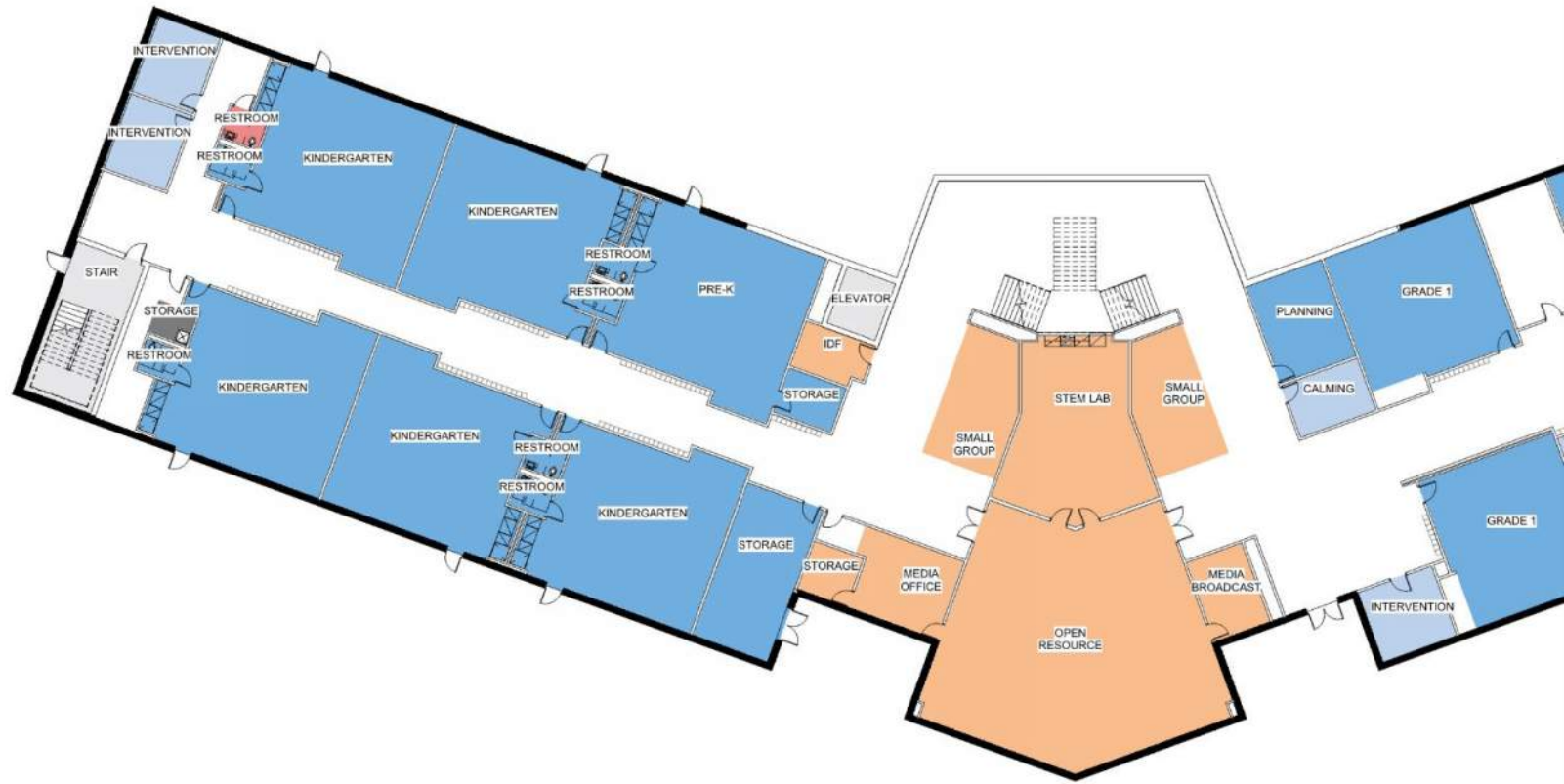
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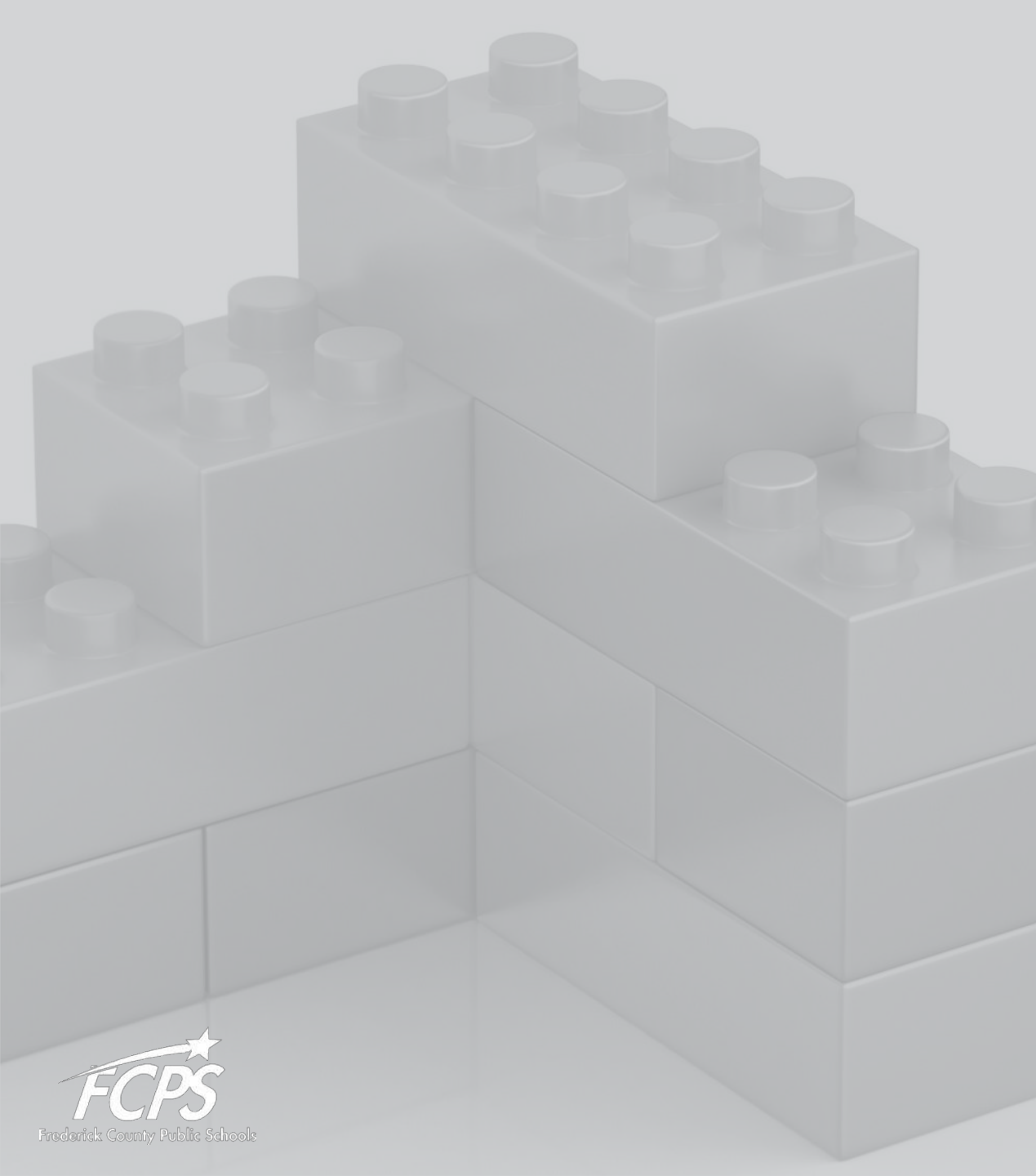


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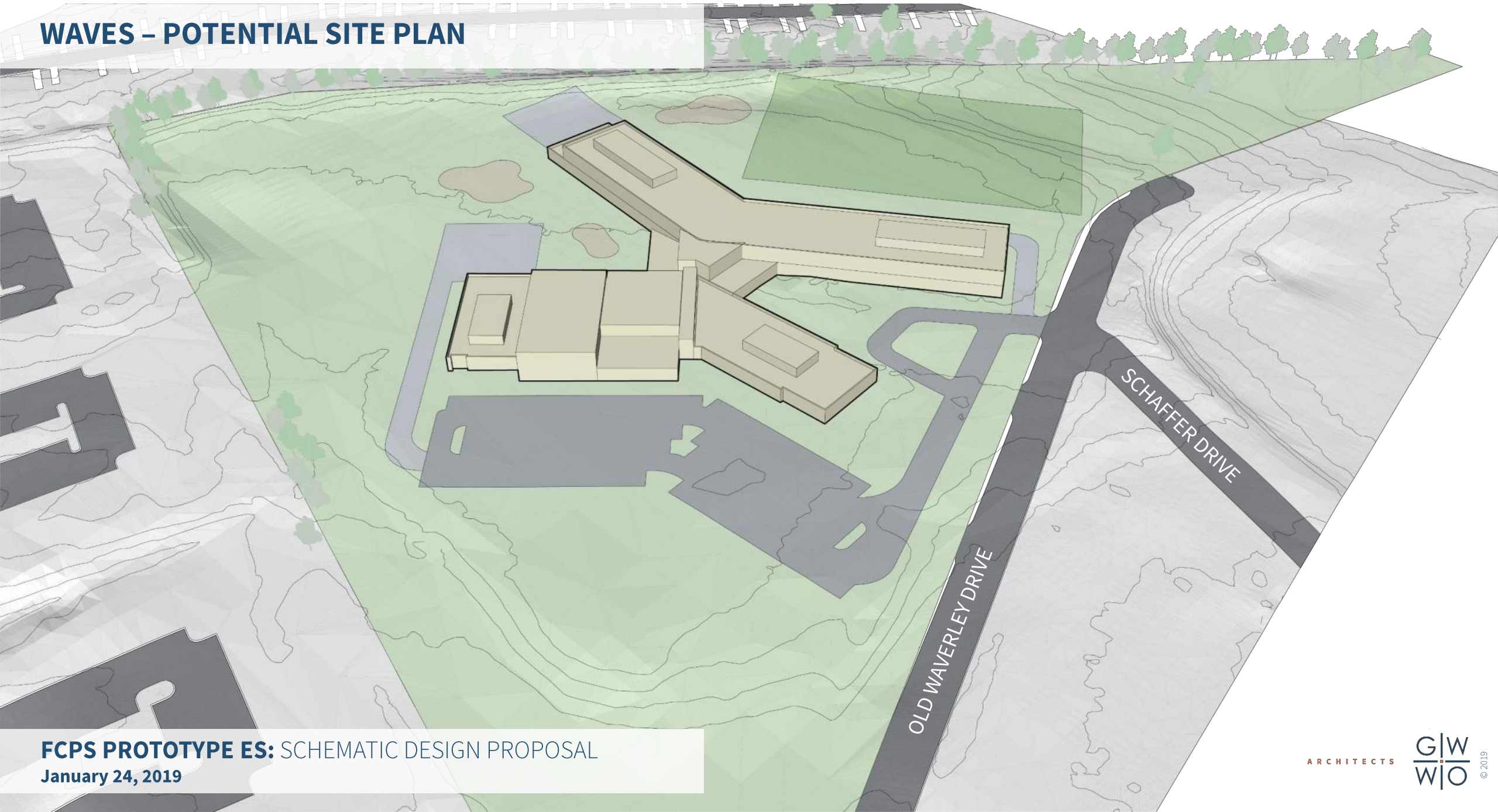




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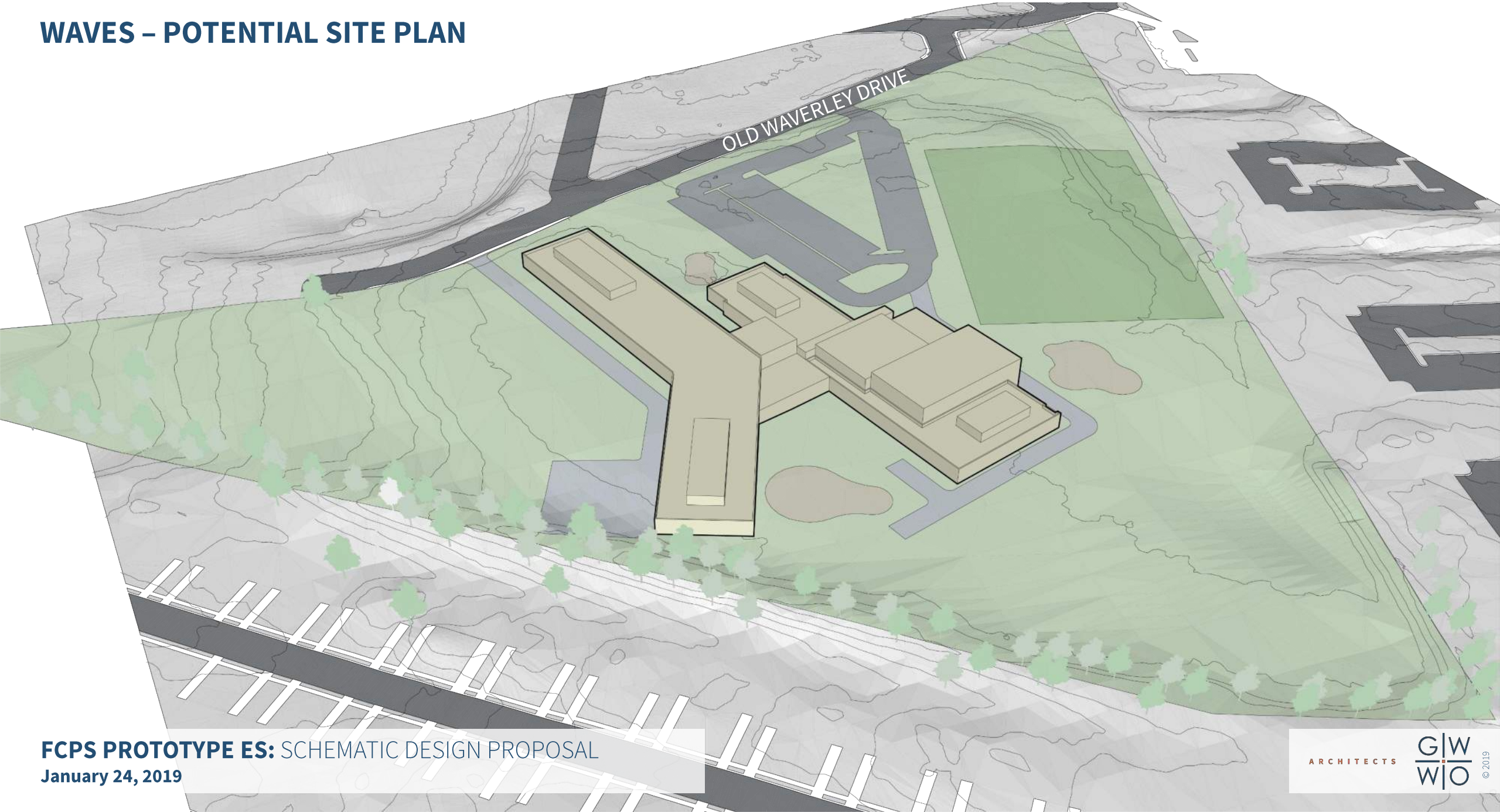
WAVERLEY

WAVES – POTENTIAL SITE PLAN

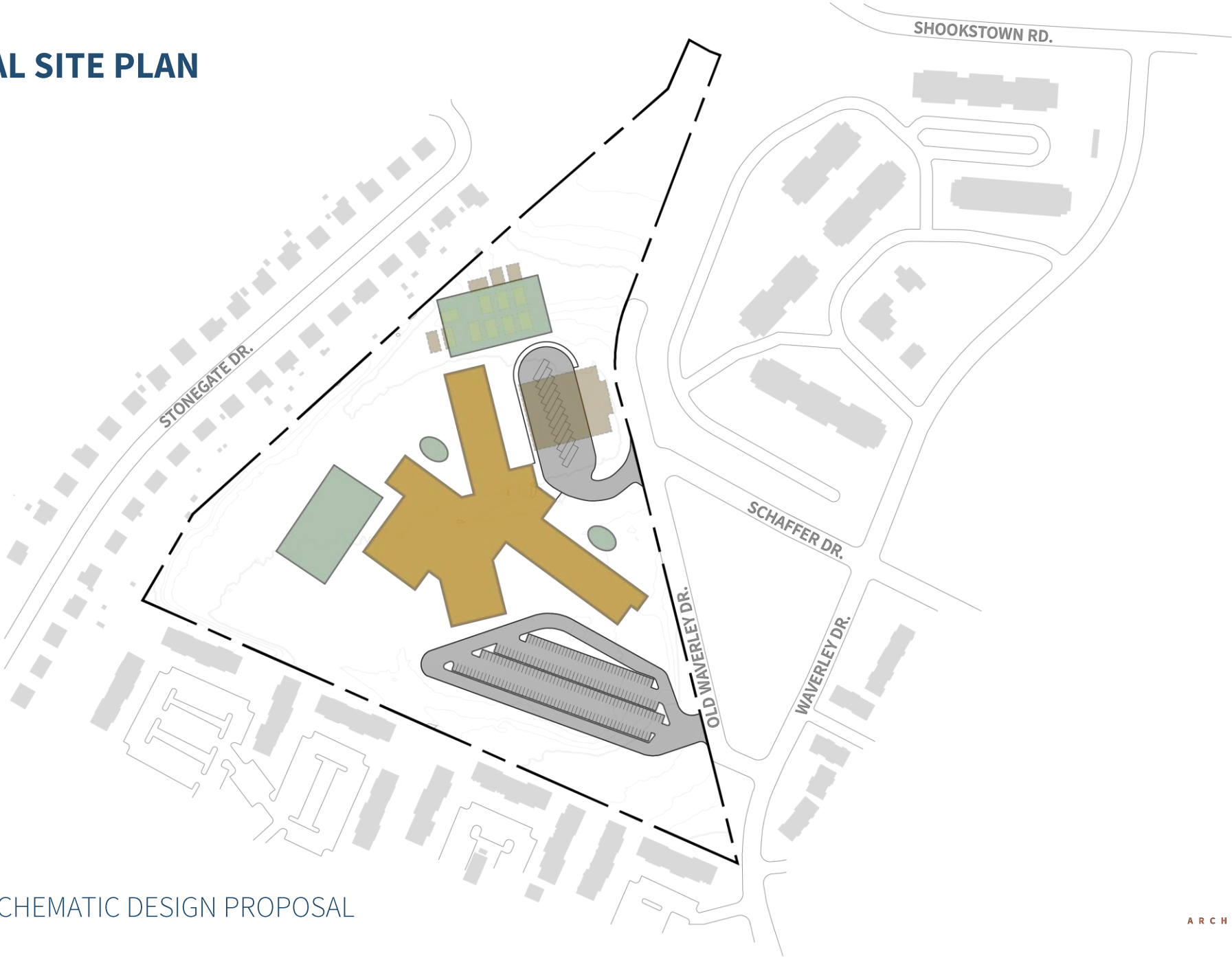


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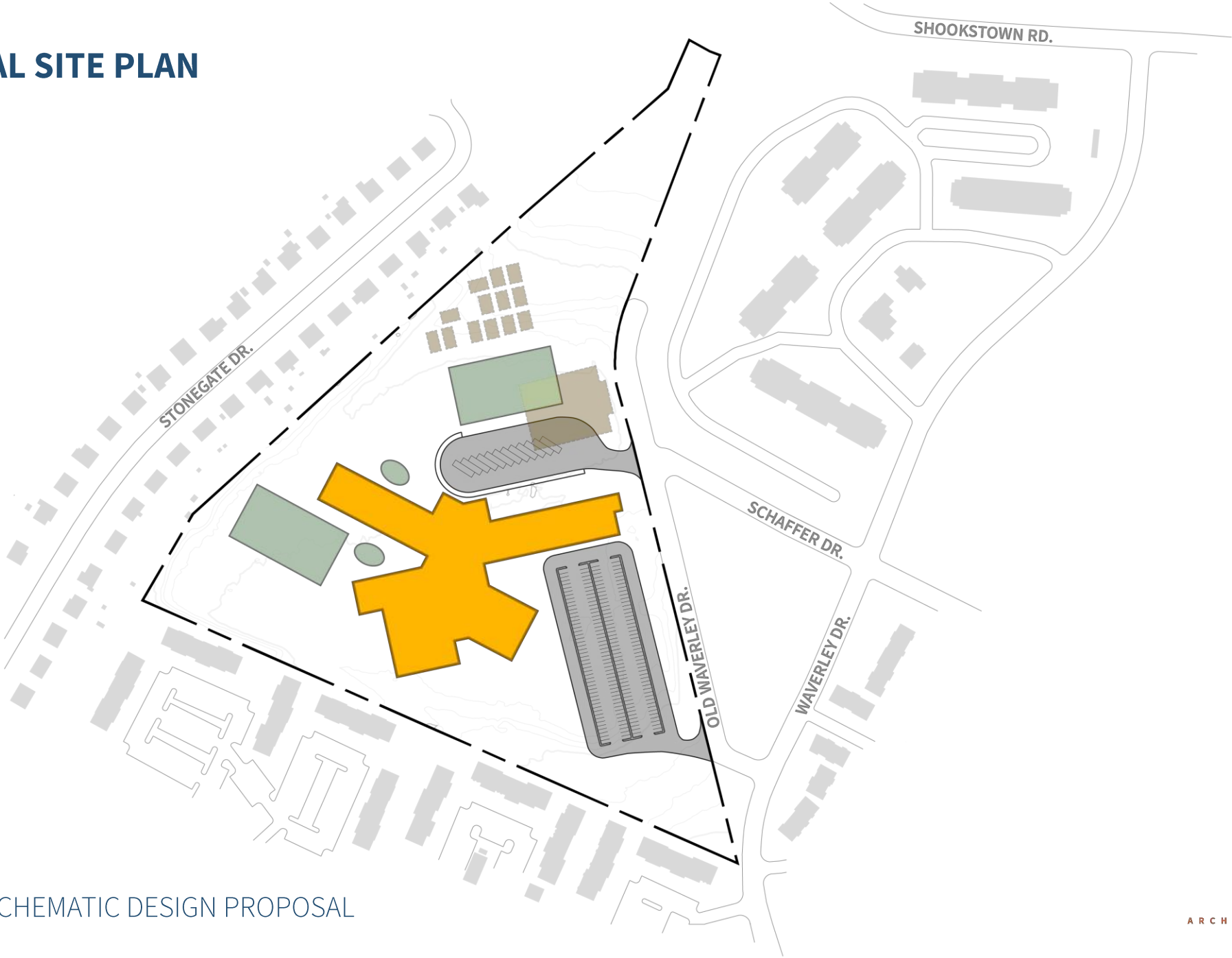


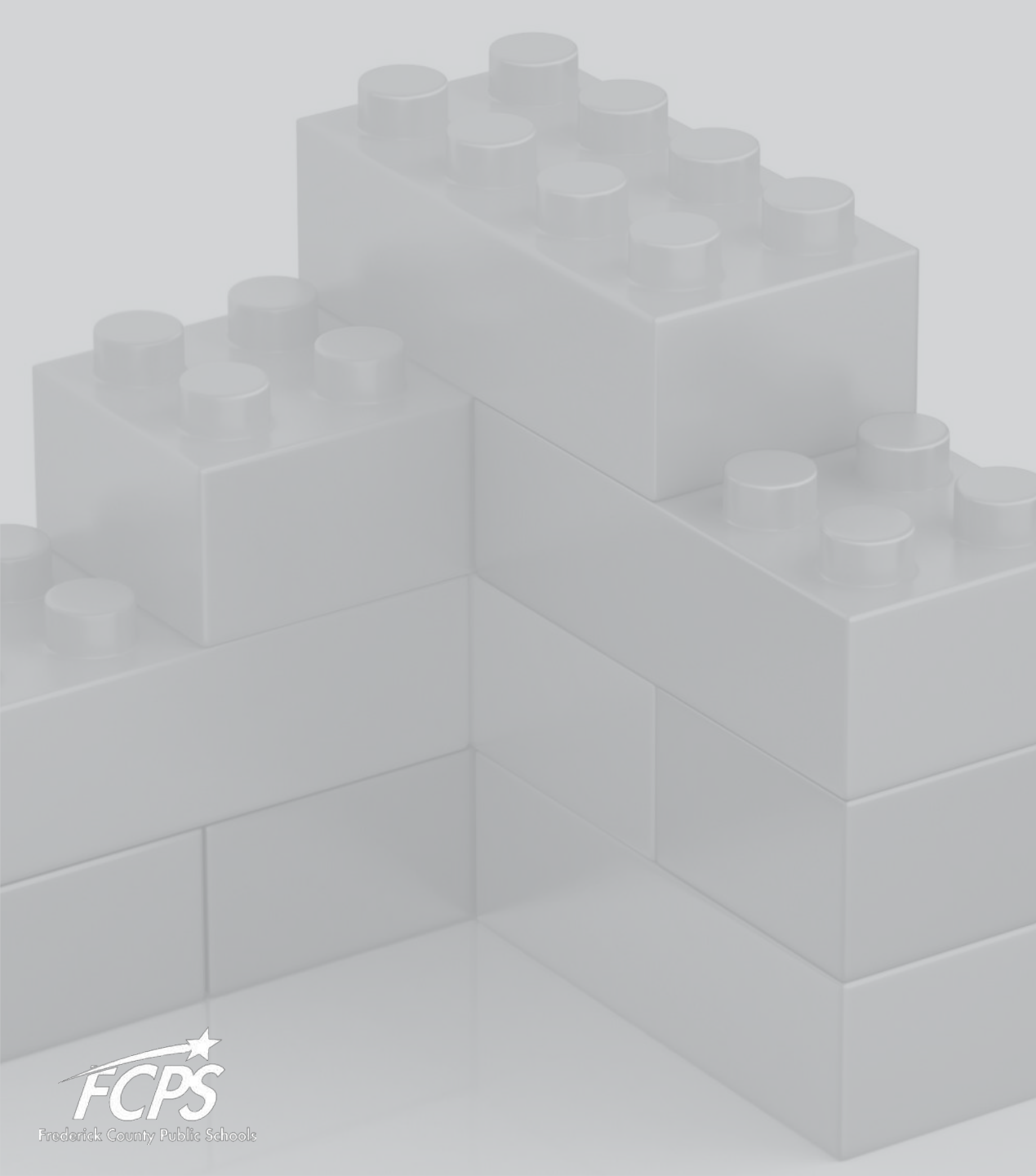
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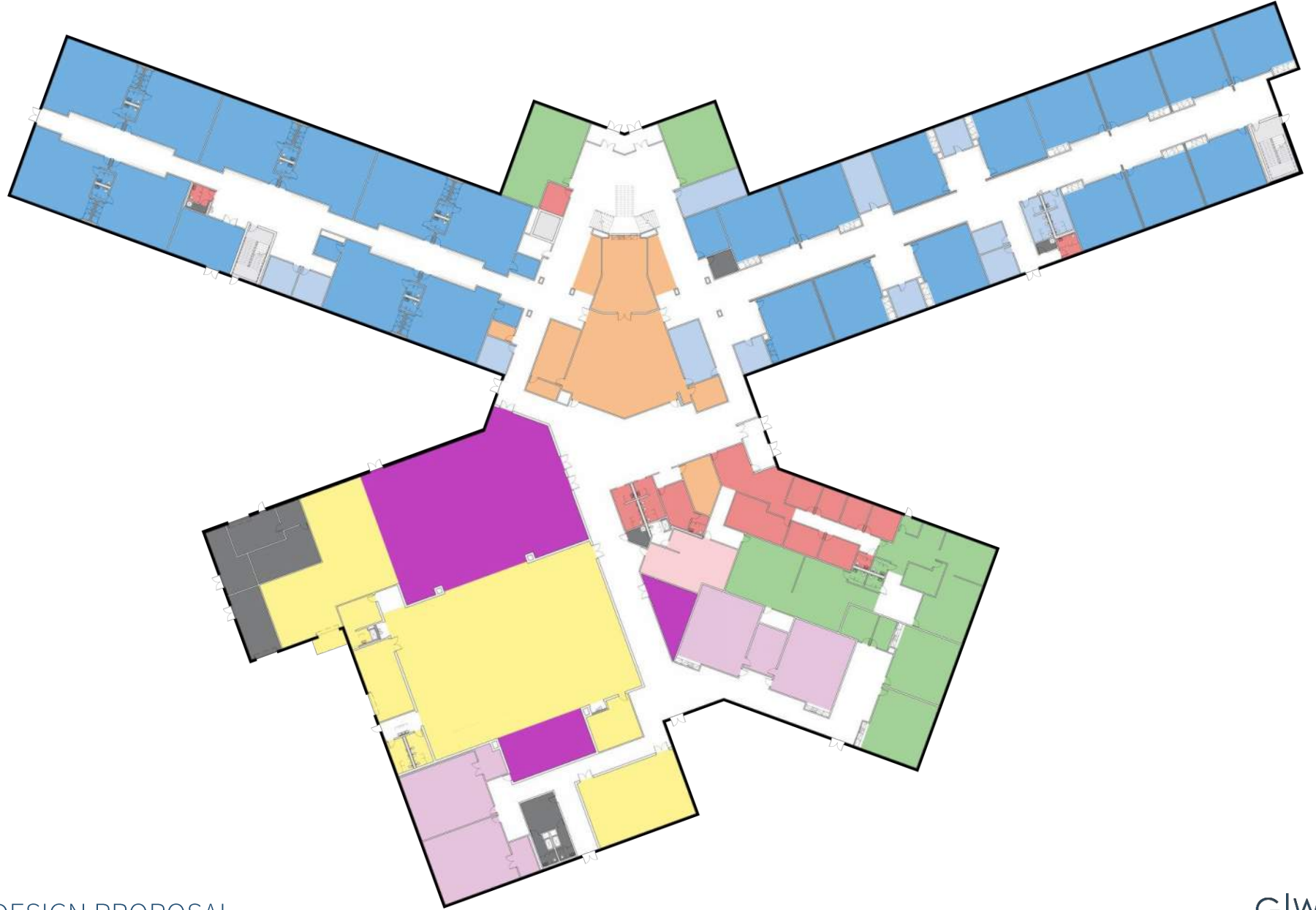


BUILDING PLANS

WAVERLEY

WAVES – POTENTIAL PLAN

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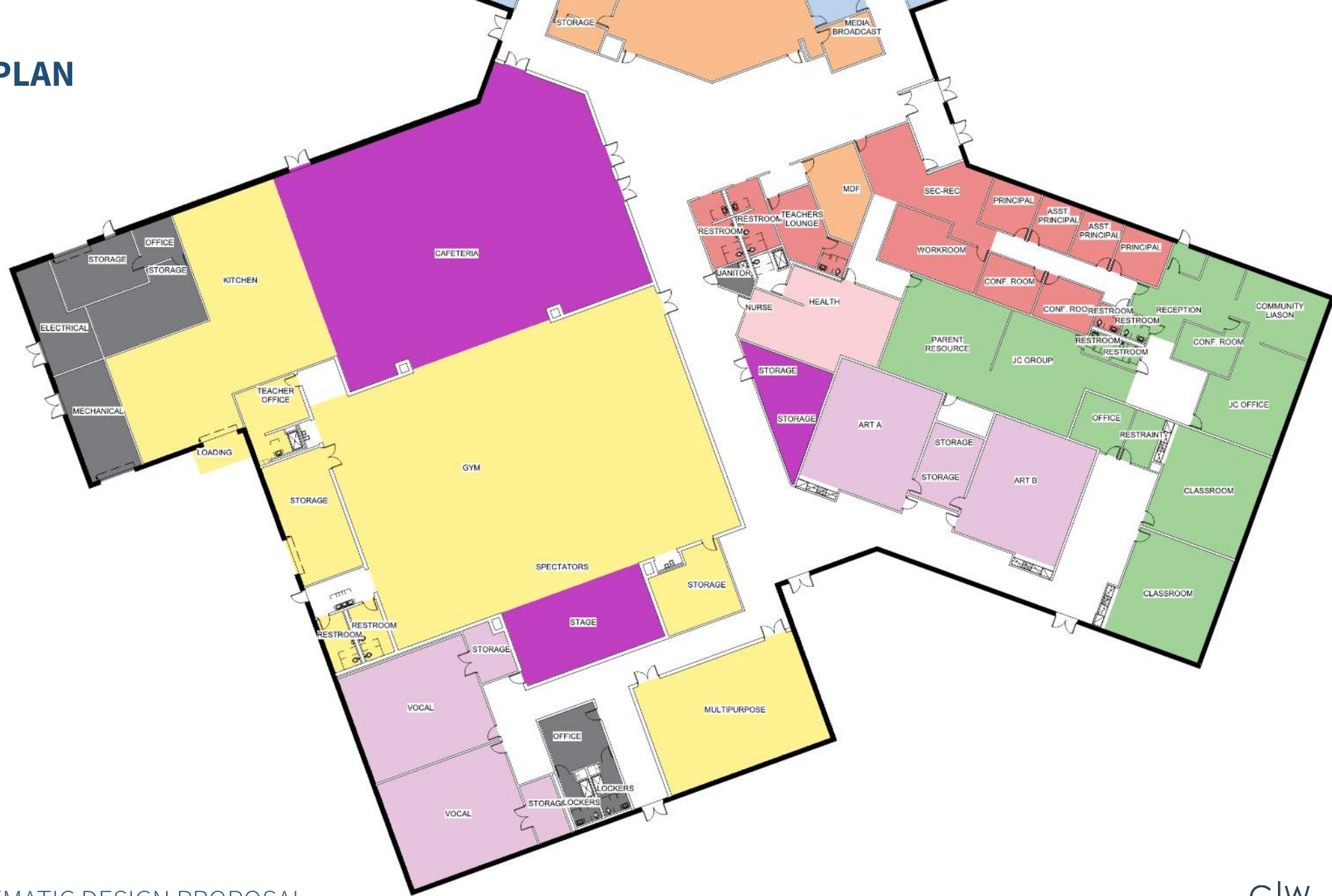


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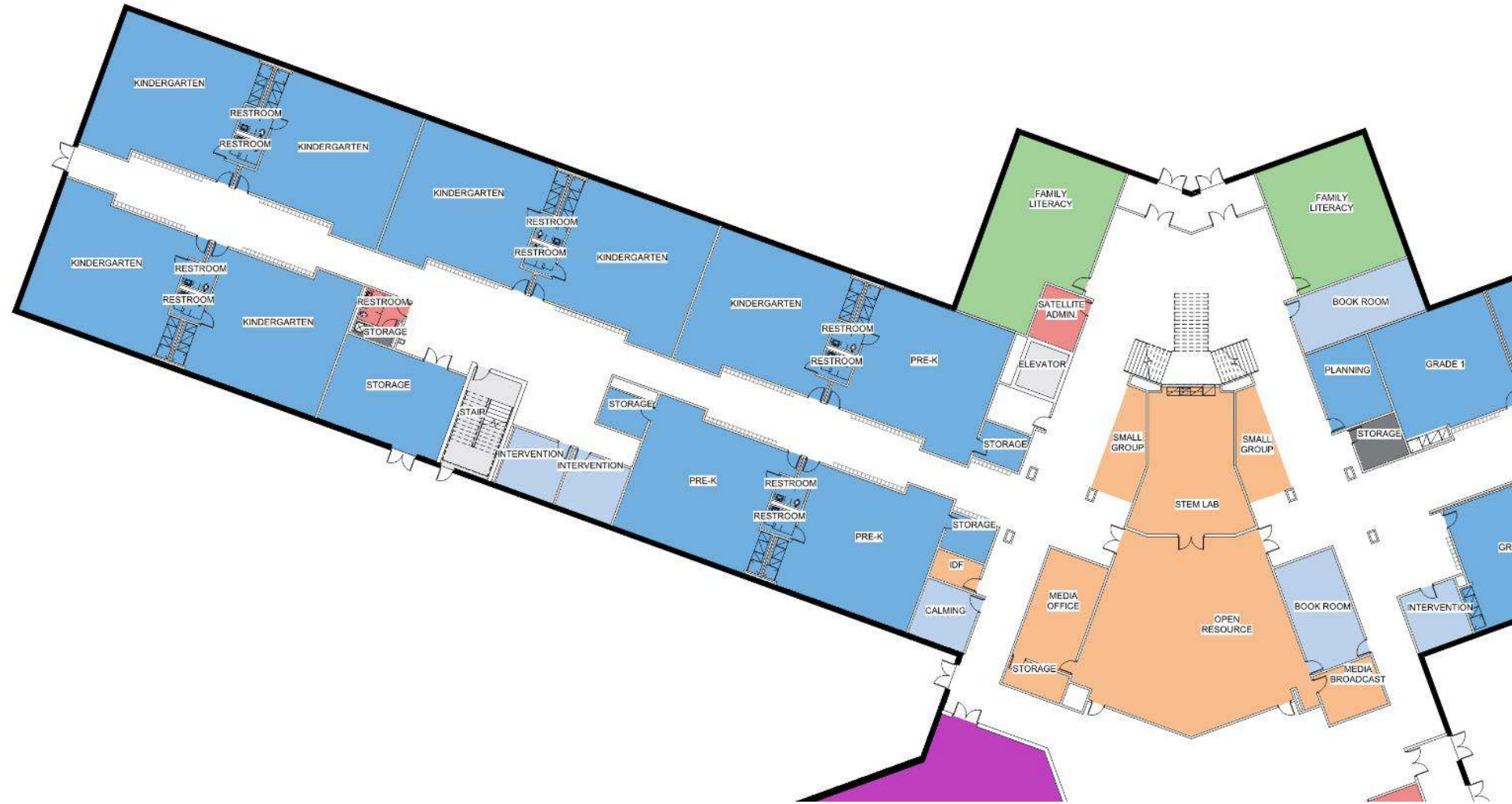
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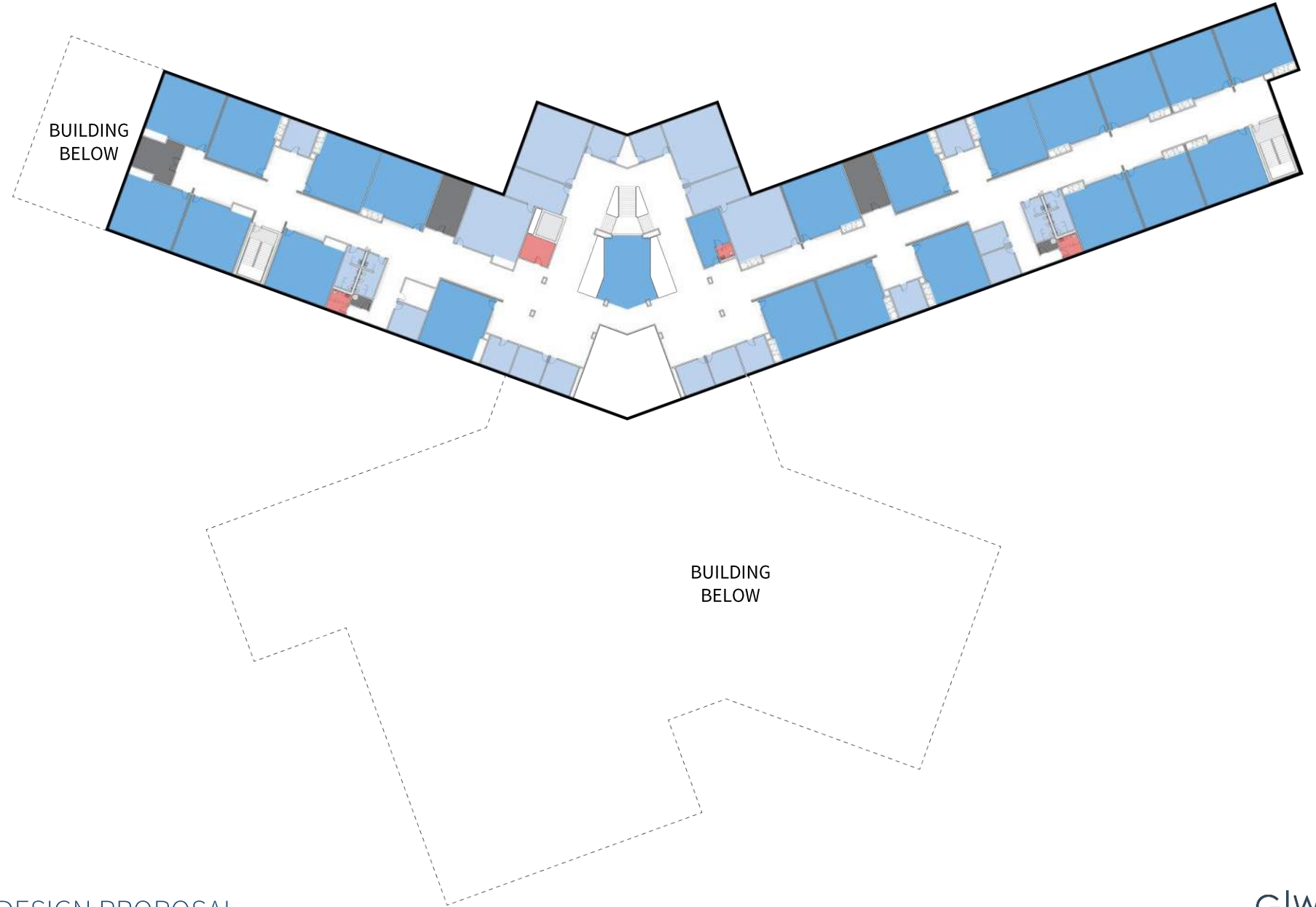
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WAVES – POTENTIAL PLAN

UPPER LEVEL



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WAVES – POTENTIAL PLAN

UPPER LEVEL



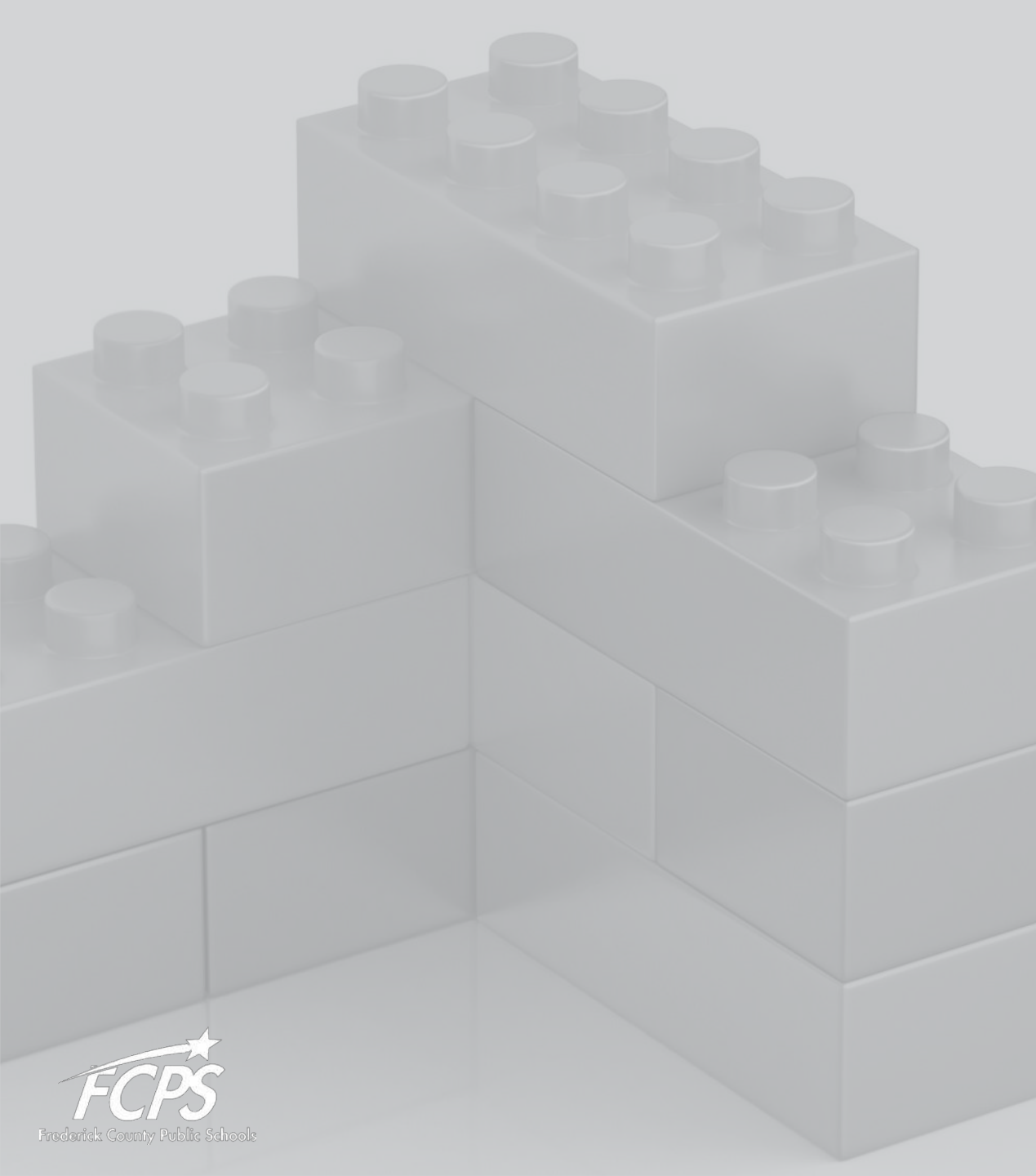
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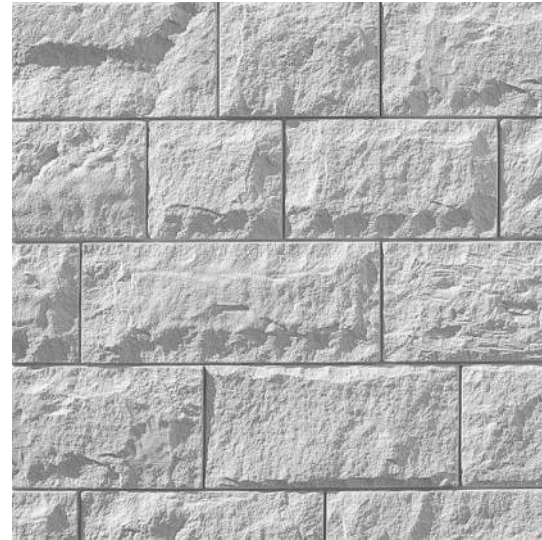


EXTERIOR MATERIALITY

PRECAST CONCRETE VS. MASONRY

		CONVENTIONAL MASONRY	MASONRY ON STRUCTURAL STUD	PRECAST CONCRETE
FACTORS	Cost			
	Materials	\$\$	\$	\$-\$\$\$
	Labor	\$\$	\$\$	\$
	Schedule			
	Construction Time			
	Lead Time			
	Unforeseen Delays			
	Quality			
	Durability	★ ★ ★	★ ★	★ ★ ★
	Aesthetics	★ ★	★ ★ ★	☆ ★ ★
Performance	★ ★	★ ★	★ ★ ★	

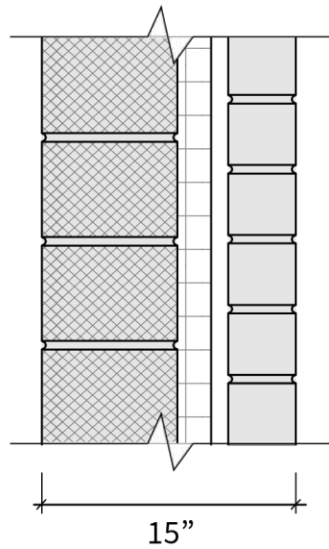
WHAT IS PRECAST CONCRETE?



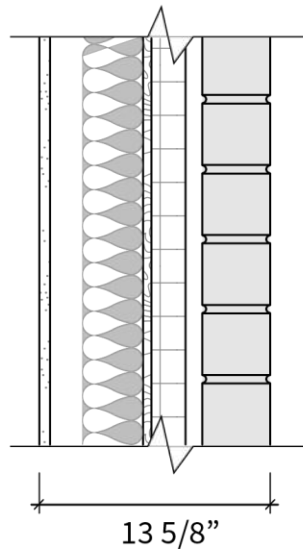
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PRECAST CONCRETE VS. MASONRY

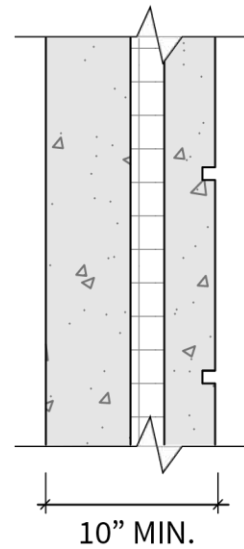
BRICK VENEER CAVITY WALL
MASONRY BACKER



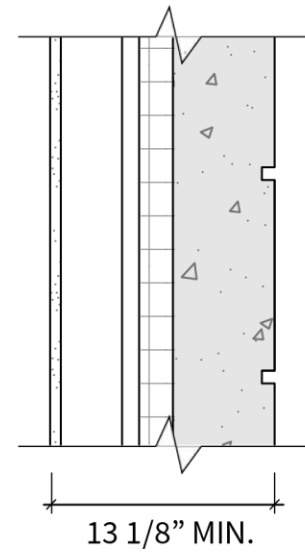
BRICK VENEER CAVITY WALL
STUD BACKER



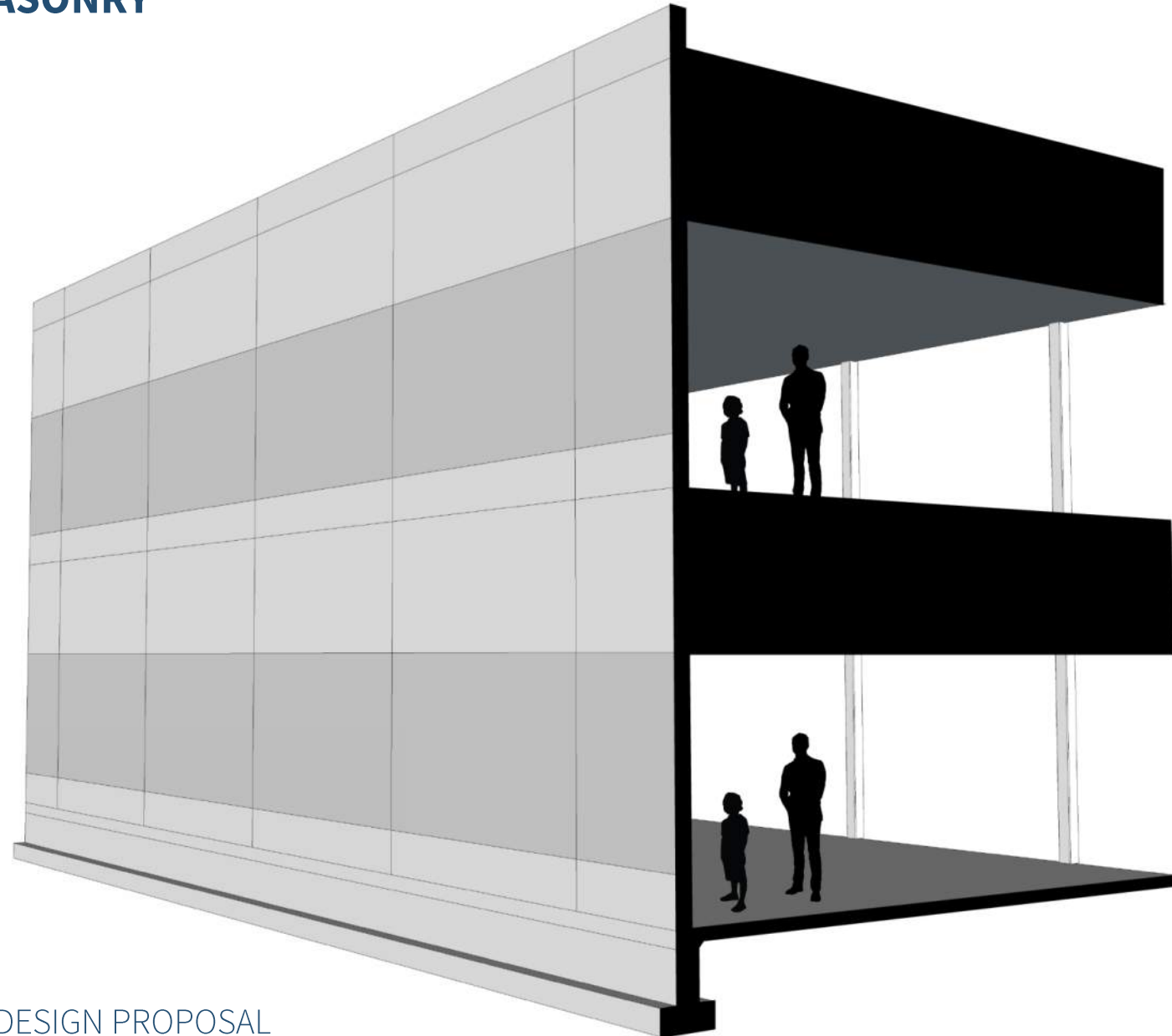
PRECAST CONCRETE
SANDWICH PANEL



PRECAST CONCRETE
INTERIOR INSULATION

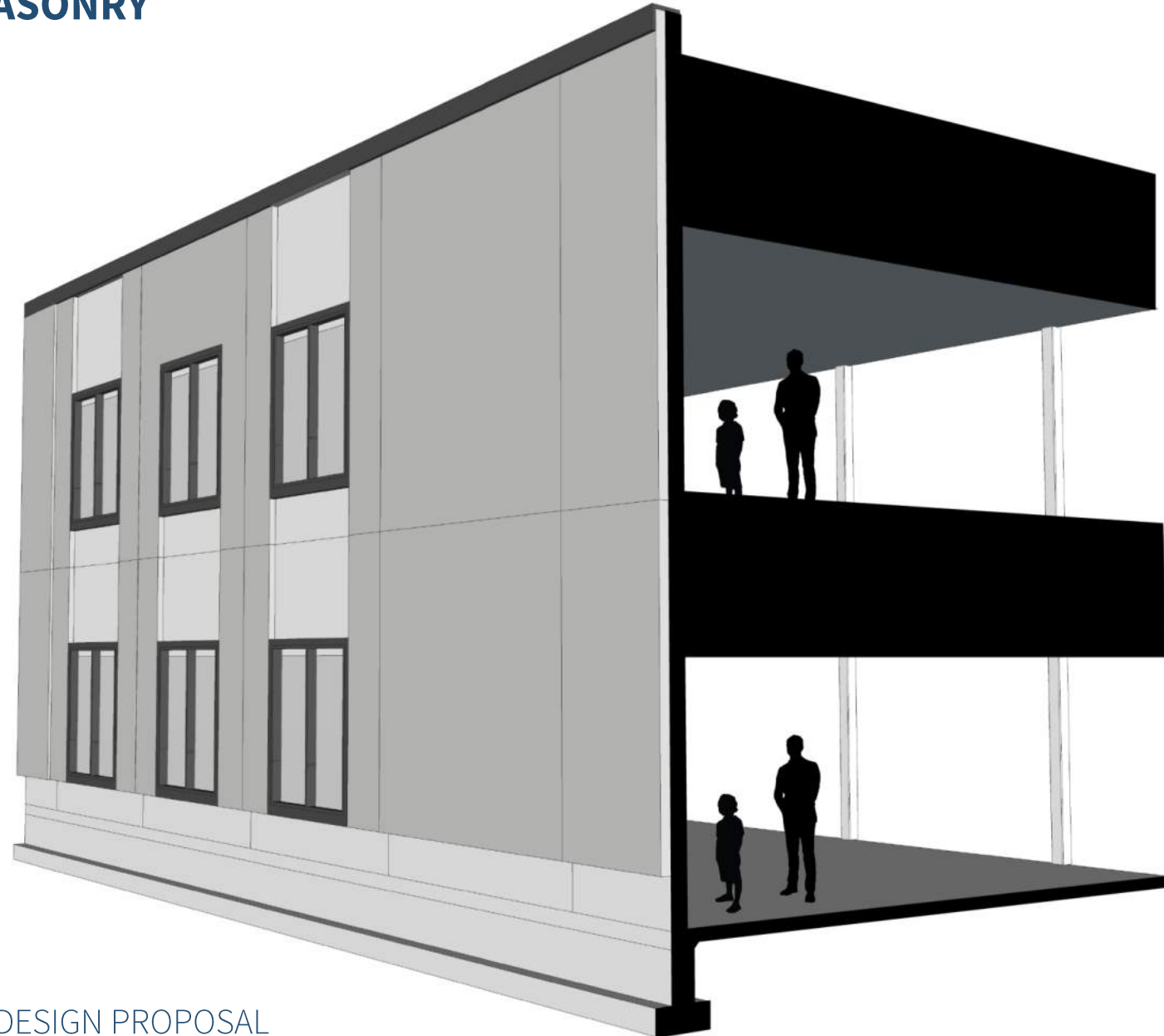


PRECAST CONCRETE VS. MASONRY



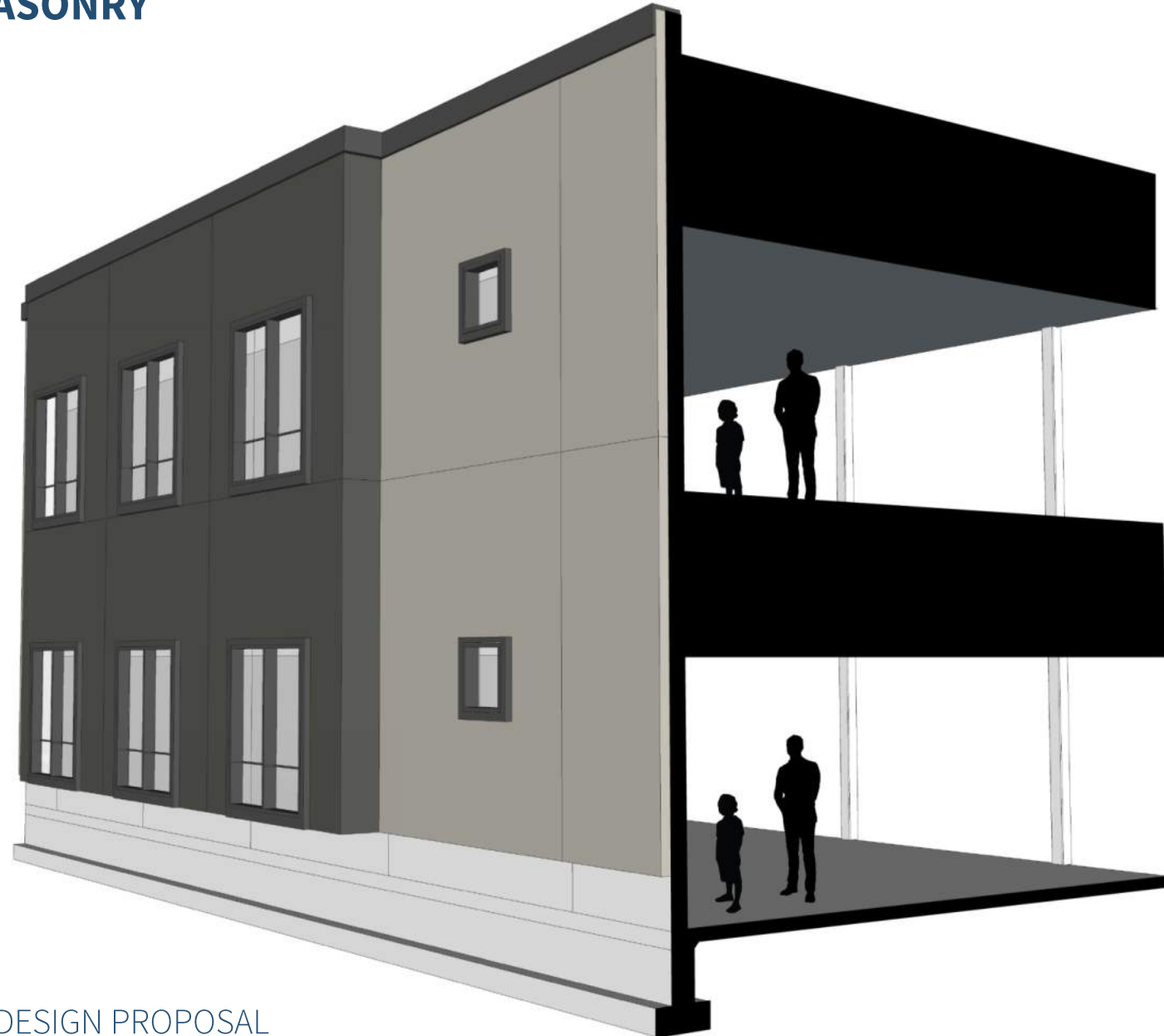
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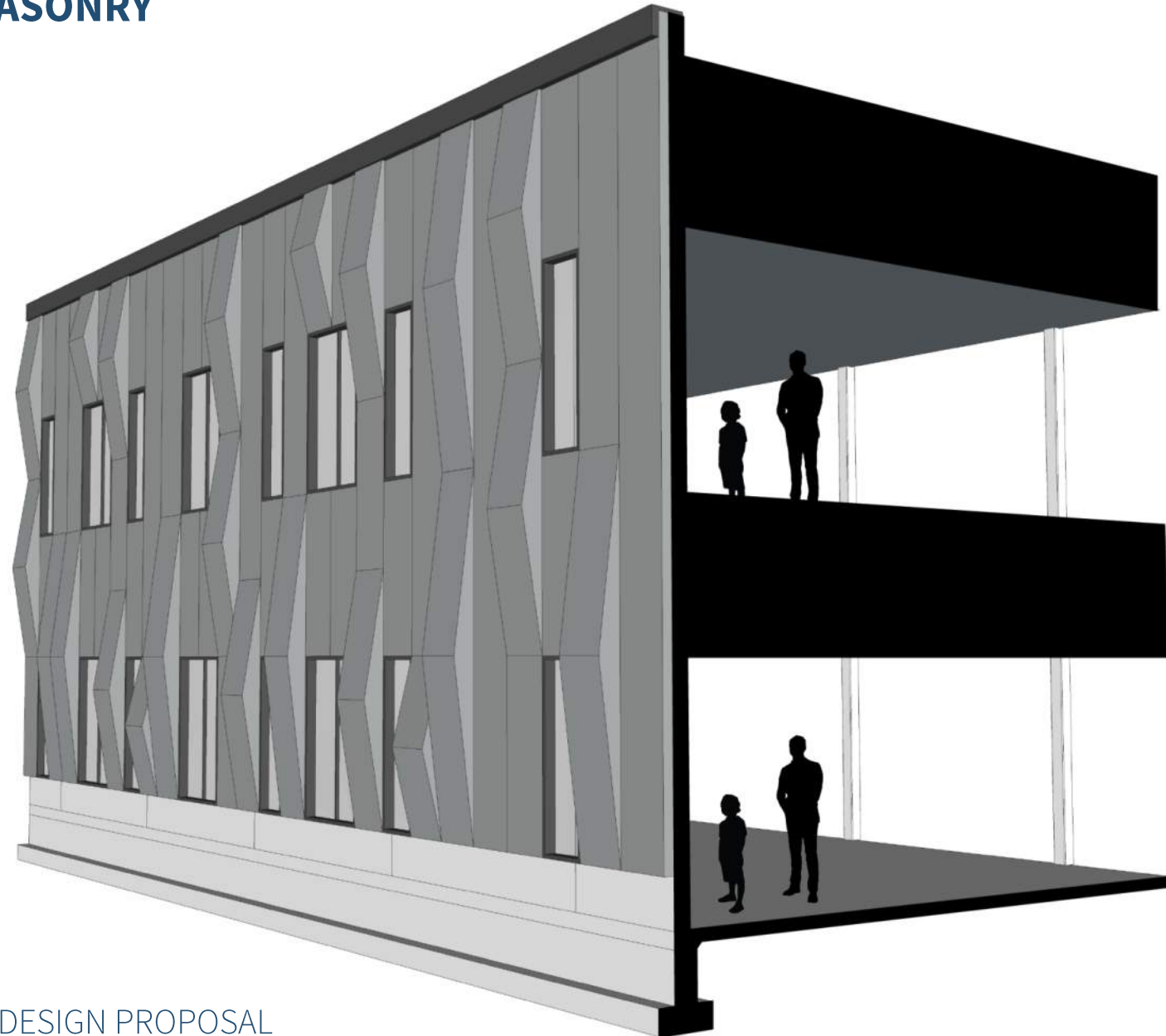
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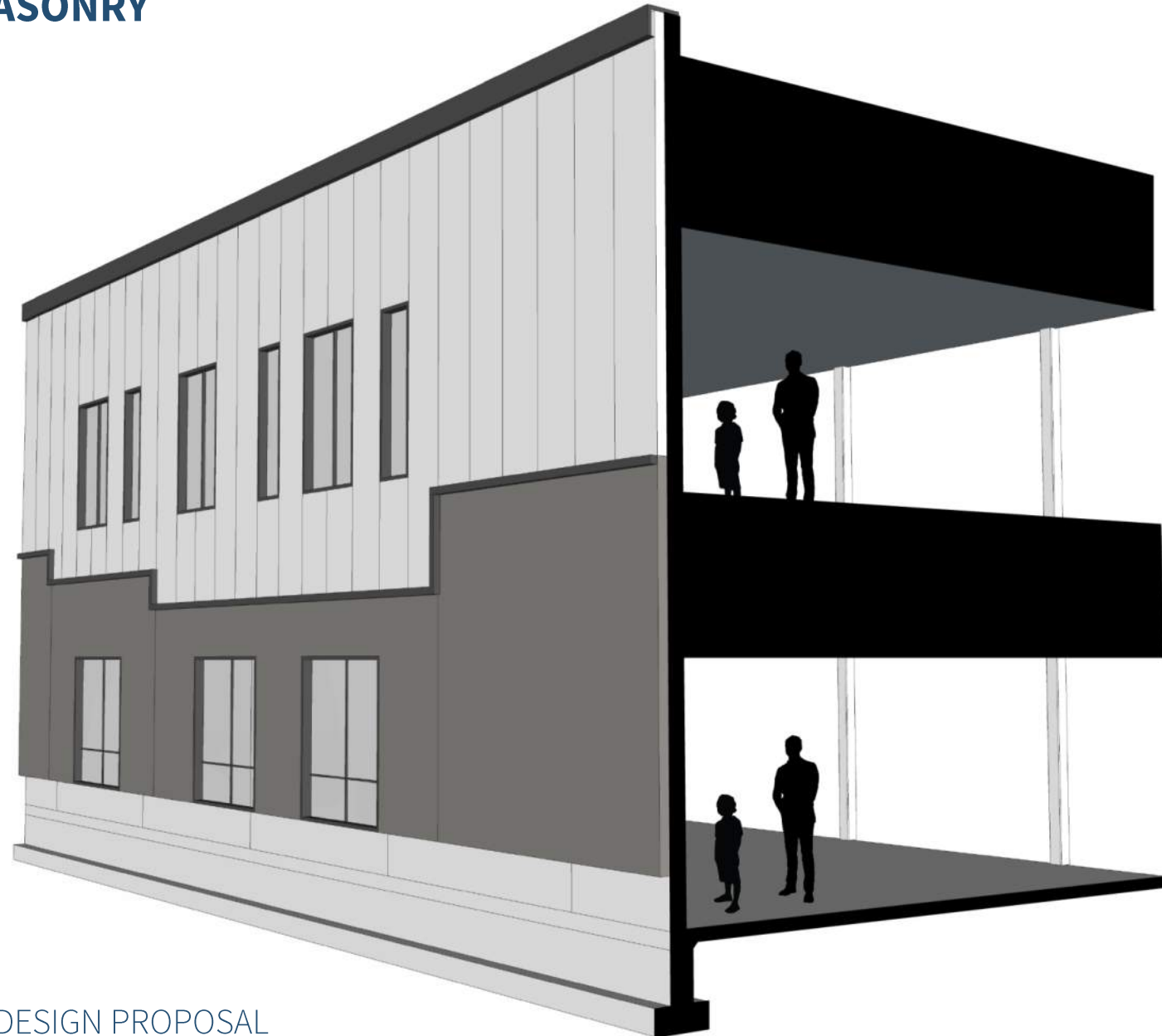
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OUTSTANDING ITEMS & SCHEDULE

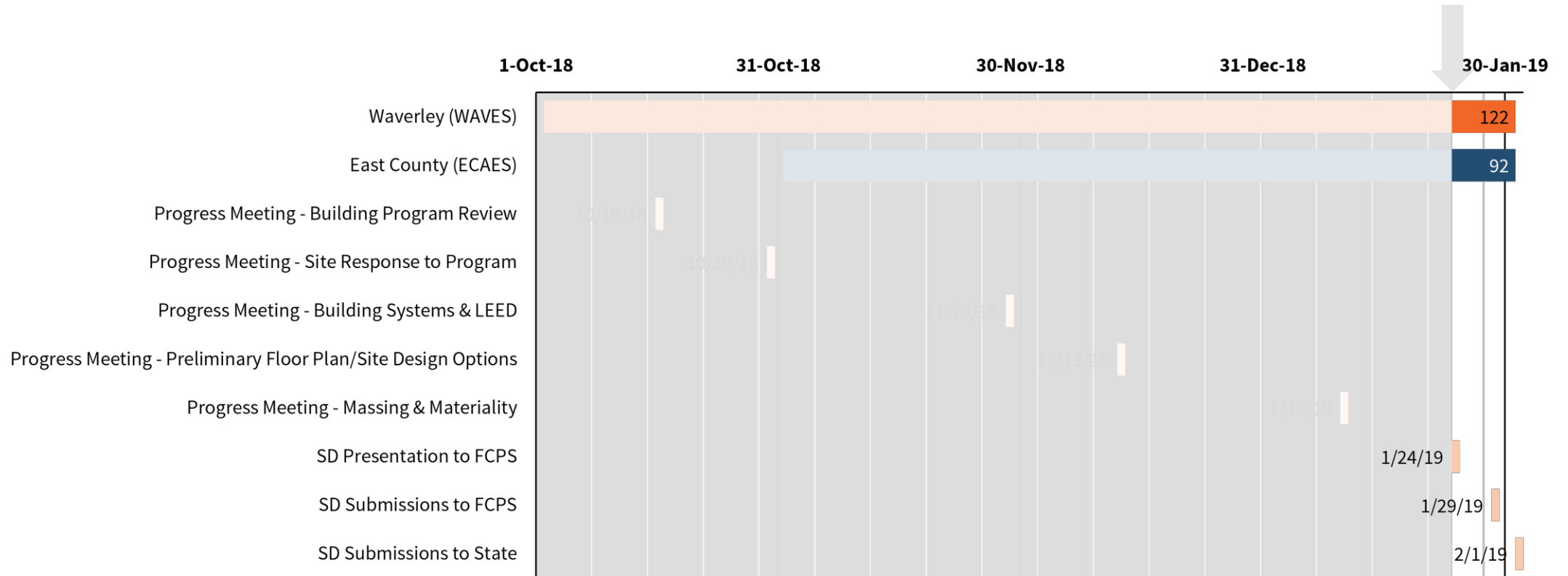
ACTION ITEMS

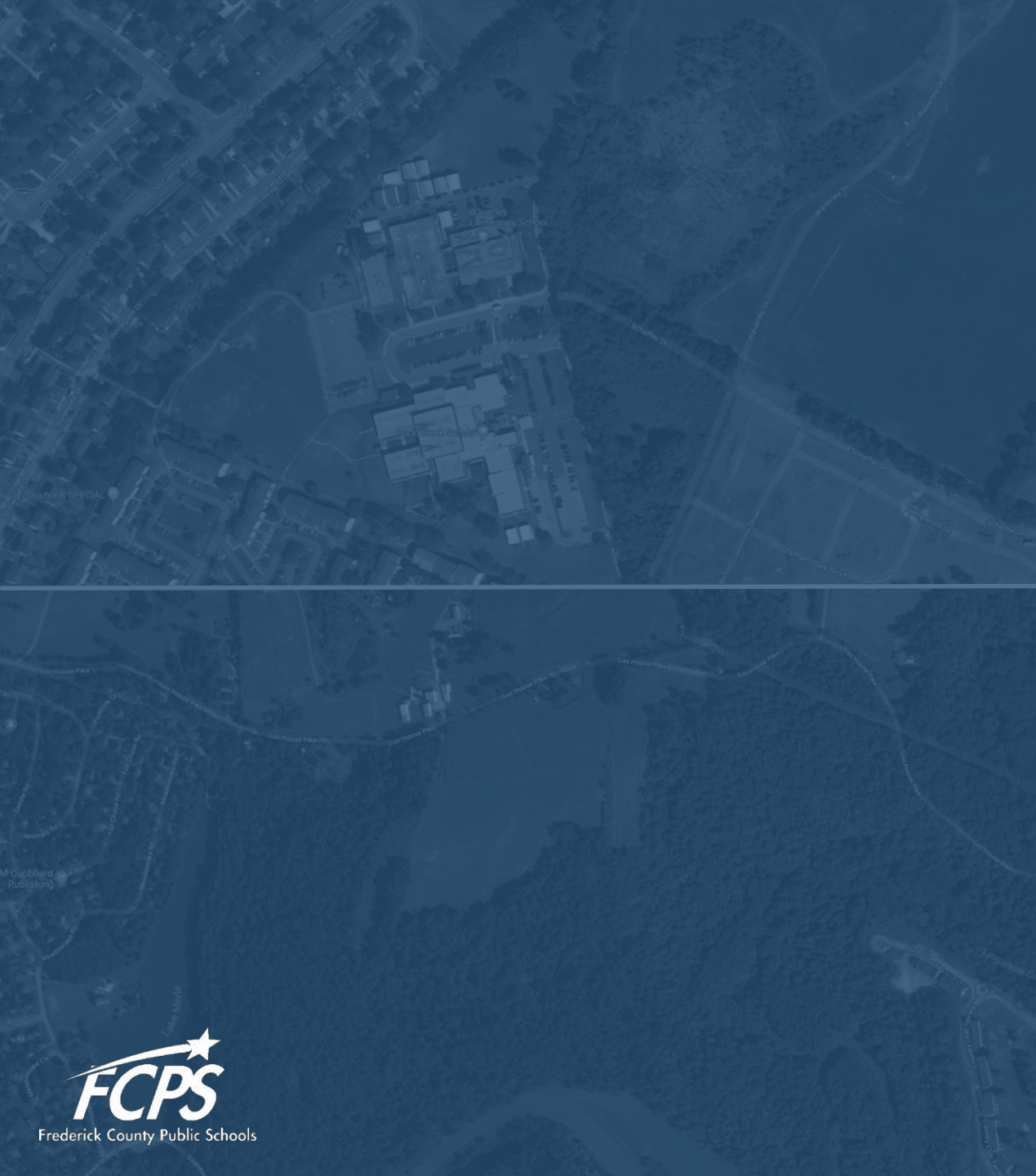
- Owner (FCPS)
 - Compose Owner's Project Requirements (OPR) for LEED.

ACTION ITEMS

- Design Team
 - ✓ Solicit proposals for geotechnical reporting (WAVES & ECAES).
 - ✓ Add service for additional surveying of adjacent Waverley site.
 - ✓ Add service proposal for FFE (WAVES & ECAES).
 - Schedule site survey(s)
 - Add service for Environmental Site Assessment (WAVES)?

DESIGN SCHEDULE





NEXT MEETING:

DESIGN DEVELOPMENT KICK-OFF

DATE TBD