

# Southern Heights Elementary School

**Hobbs, New Mexico**

Presenter

**Sarah Volcko**

Regional Project Manager

New Mexico Public  
School Facilities  
Authority

# HOBBS MUNICIPAL SCHOOLS

## Superintendent, Gene Strickland



Total Project MACC \$442/Square Foot

Total Project 69,775<sup>2</sup>

Notice to Proceed July 2022 - Occupancy October 2023

# DEKKER PERISH SABITINI



**Sanjay Kadu**

Chief Design Officer / Principal



**Matt McKim**

Design Leader / Principal, Education + Science



**Juan Dorado**

Studio Leader / Principal

# BRADBURY STAMM CONSTRUCTION



DENNIS  
Towne **President**



LUKE  
Jaramillo **Project  
Manager**



CYNTHIA  
Schultz **CEO**

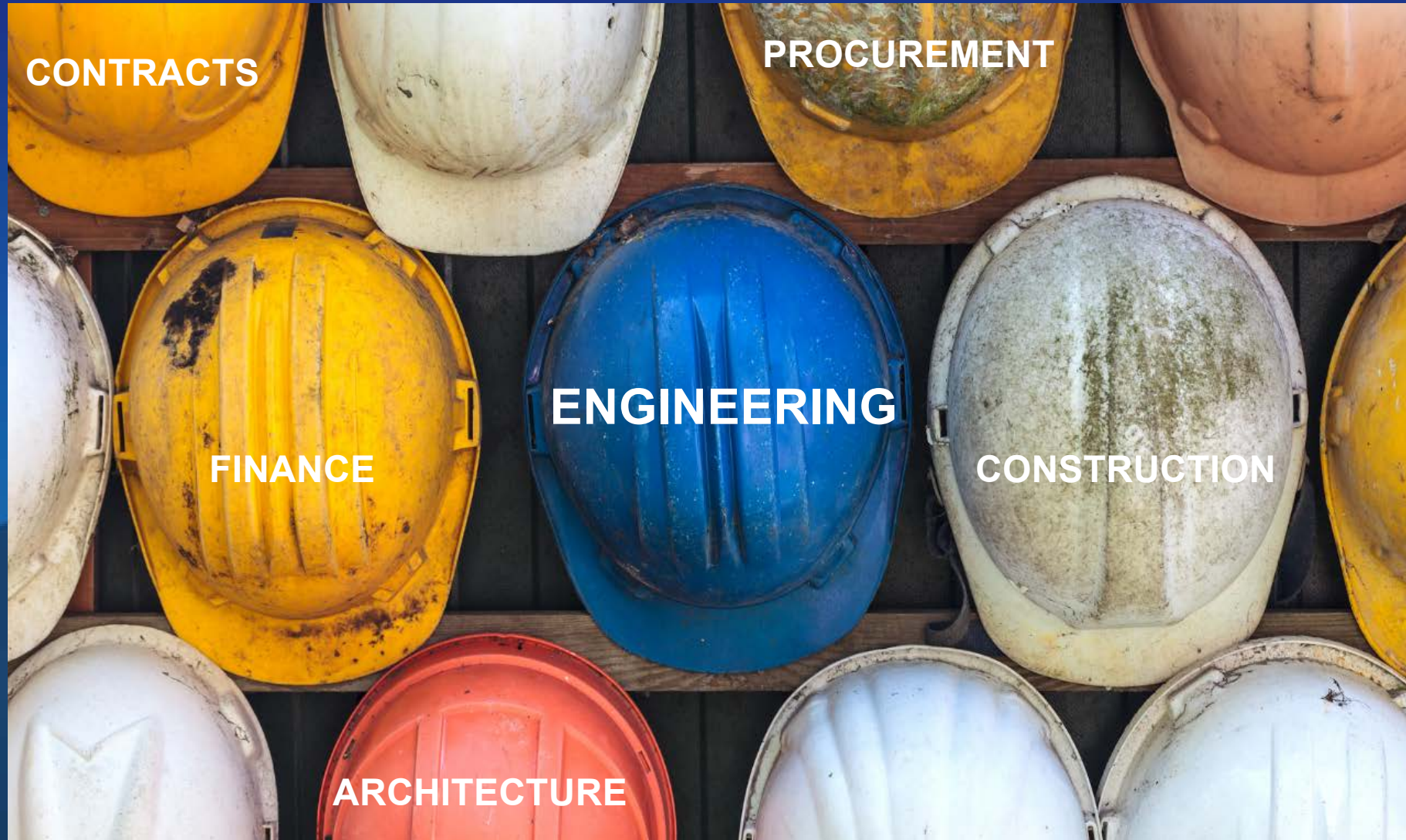


PATRICK  
Lujan **Project  
Superintendent**



JESSIKA  
Jauriqui **PM  
Assistant**

# PROJECT MANAGEMENT



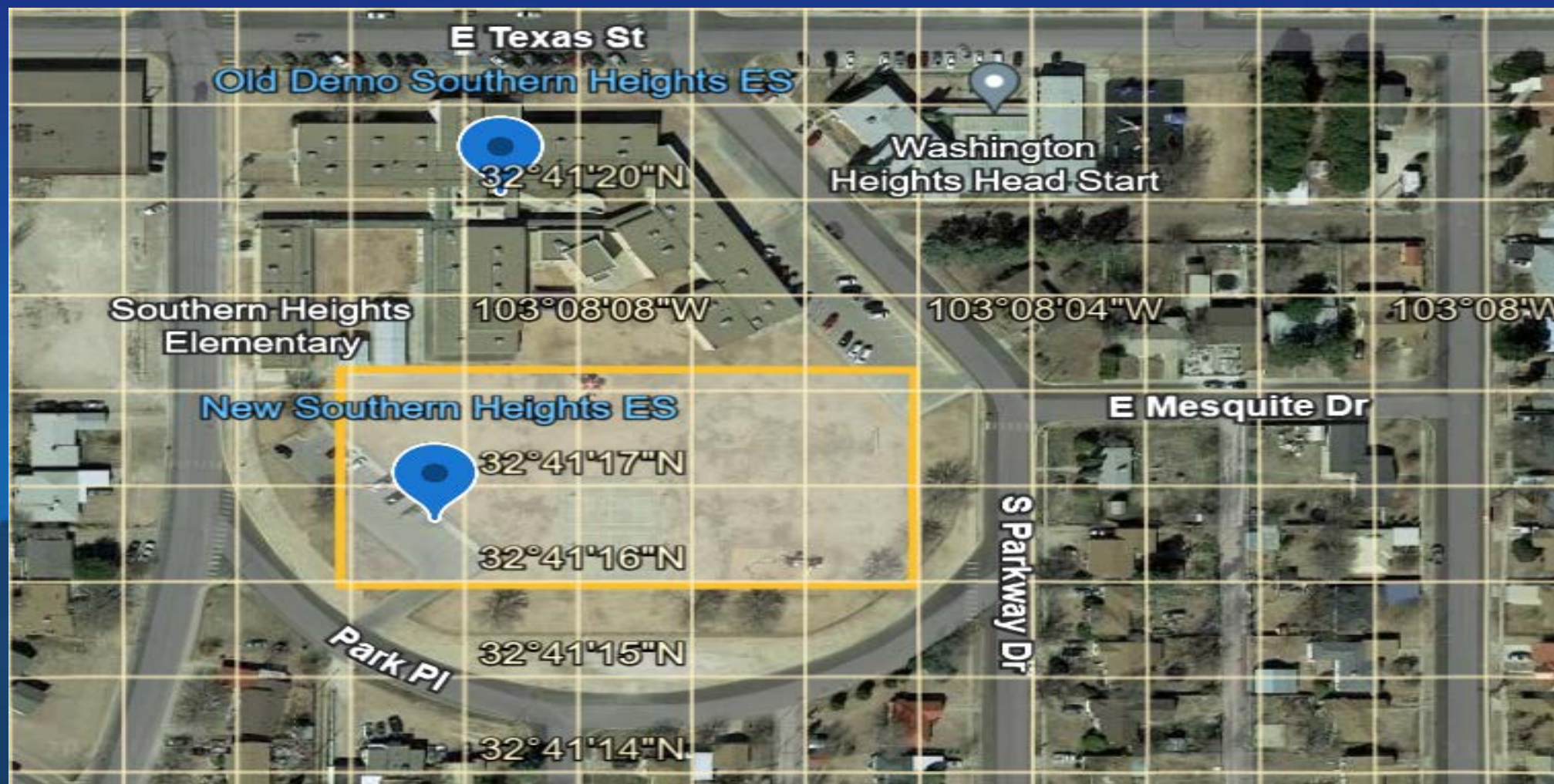
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graph LR; A((Discovery)) --> B((Define)); B --> C((Design Delivery));
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**Discovery**

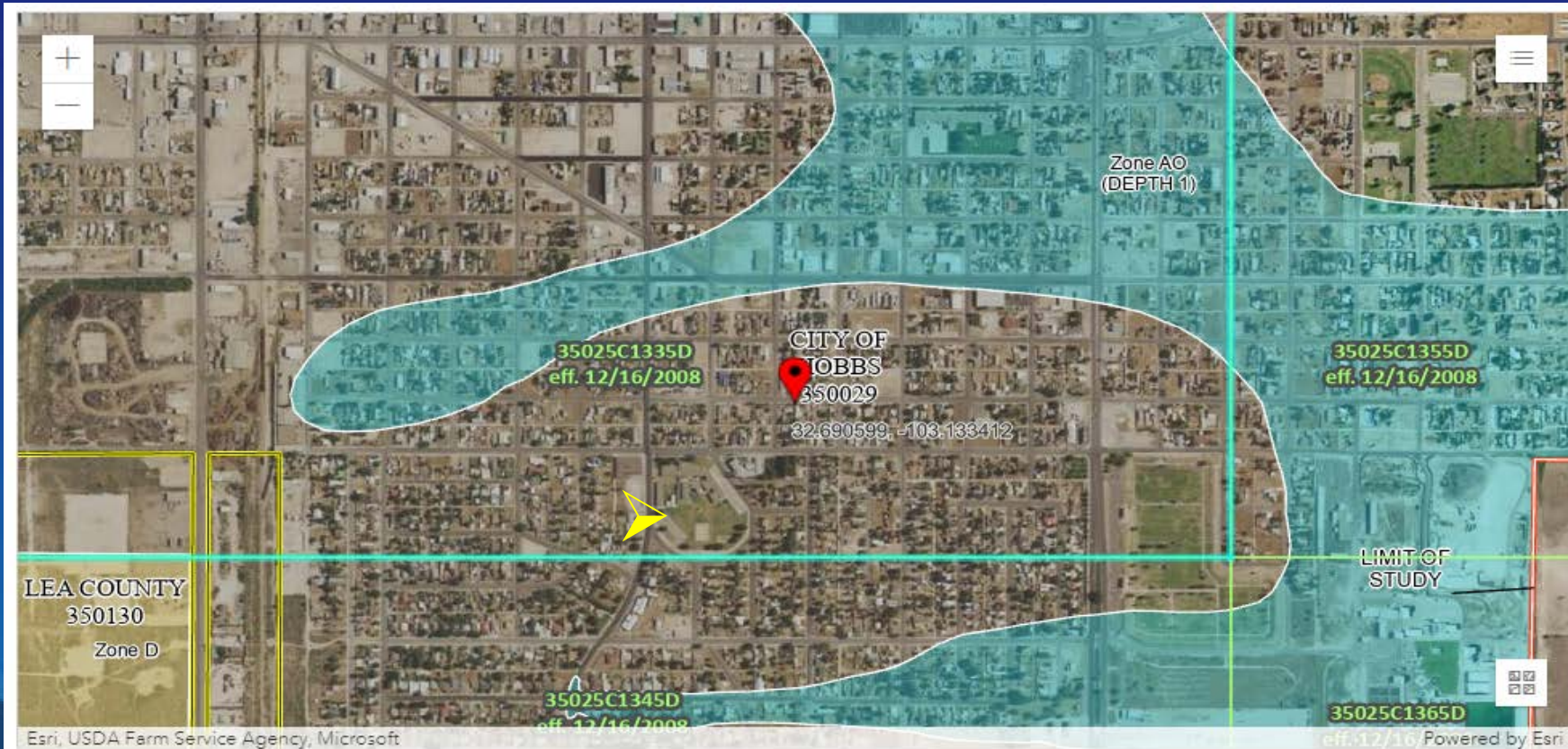
**Define**

**Design  
Delivery**

# DISCOVERY PHASE



# FEMA FLOODPLAIN



Esri, USDA Farm Service Agency, Microsoft  
 Powered by Esri

<p><b>PIN</b></p> <ul style="list-style-type: none"> <li> Approximate location based on user input and does not represent an authoritative property location</li> </ul> <p><b>MAP PANELS</b></p> <ul style="list-style-type: none"> <li> Selected FloodMap Boundary</li> <li> Digital Data Available</li> <li> No Digital Data Available</li> <li> Unmapped</li> </ul> <p><b>OTHER AREAS</b></p> <ul style="list-style-type: none"> <li> Area of Minimal Flood Hazard Zone X</li> <li> Effective LOMRs</li> <li> Area of Undetermined Flood Hazard Zone D</li> <li> Otherwise Protected Area</li> <li> Coastal Barrier Resource System Area</li> </ul>	<p><b>SPECIAL FLOOD HAZARD AREAS</b></p> <ul style="list-style-type: none"> <li> Without Base Flood Elevation (BFE) Zone A, V, AHV</li> <li> With BFE or Depth</li> <li> Regulatory Floodway Zone AE, AO, AH, VE, AR</li> </ul> <p><b>OTHER AREAS OF FLOOD HAZARD</b></p> <ul style="list-style-type: none"> <li> 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X</li> <li> Future Conditions 1% Annual Chance Flood Hazard Zone X</li> <li> Area with Reduced Flood Risk due to Levee. See Notes. Zone X</li> <li> Area with Flood Risk due to Levee Zone D</li> </ul>	<p><b>OTHER FEATURES</b></p> <ul style="list-style-type: none"> <li> Cross Sections with 1% Annual Chance Water Surface Elevation</li> <li> Coastal Transect Base Flood Elevation Line (BFE)</li> <li> Limit of Study</li> <li> Jurisdiction Boundary</li> <li> Coastal Transect Baseline</li> <li> Profile Baseline</li> <li> Hydrographic Feature</li> </ul> <p><b>GENERAL STRUCTURES</b></p> <ul style="list-style-type: none"> <li> Channel, Culvert, or Storm Sewer</li> <li> Levee, Dike, or Floodwall</li> </ul>
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# GEOTECHNICAL INVESTIGATION

- Soil Report
- Proctor
- Density

- Engineered Fill
- Subgrade

- Cement
- Asphalt
- Footings

CLIENT:		HOBBS MSD		COORDINATES:		Lat.32.688° Long. -103.1356°										
PROJECT NAME:		SOUTHERN HEIGHTS ELEMENTARY		SURFACE ELEVATION:		3,610.0'										
PROJECT NO.:		2021.1170		BOREHOLE DEPTH:		20'9"										
DATE DRILLED:		8-24-2021		DEPTH TO WATER:		N/A										
DEPTH (FT)	LITHOLOGIC SYMBOL	SAMPLE RECOVERED	BLOWS PER FOOT	DESCRIPTION	SOIL CLASSIFICATION	LABORATORY TEST DATA							BEARING CAPACITY (psf) qu (psf)	SHEAR STRENGTH (tsf)		
						% MOISTURE	% PASSING 3/4"	% PASSING #4	% PASSING #10	% PASSING #40	% PASSING #200	LIQUID LIMIT (LL)			PLASTIC LIMIT (PL)	PLASTICITY INDEX (PI)
0				Brown, Silty Sand	SM	9.4	100	94	90	82	28.3	20	17	3		
		76/11"		Tan Silty Sand (CALICHE)		8.2										>8,000
			69		SM	10.7	100	87	76	58	22.9	SNP	SNP	SNP		>8,000
			48	Reddish Tan Silty Sand (CALICHE)		10.3										>8,000
			43			8.1										>8,000
			38			9.7										7,580
10			39		SM	12.2	99	93	89	75	22.1	SNP	SNP	SNP		7,800

SPLIT SPOON SAMPLE   
  AIR ROTARY   
  WATER   
  SHELBY SAMPLE   
 #

# DEFINING PHASE



*Community Is Key*

# DESIGN PHASE



**APPROVED MECHANICAL**  
**TERRAN ADVISORS, LLC**  
 Mechanical Engineer  
 06/21/2022 11:40:22 AM

**STATE OF NEW MEXICO**  
**CONSTRUCTION INDUSTRIES**  
**DIVISION**

**BID EXEMPTION/ISSUES**  
**EXEMPTIONS AD-ADDED**  
 This document is not intended to be a contract. It is a notice of intent to bid. The contractor shall be responsible for all details of the project. The contractor shall be responsible for all details of the project. The contractor shall be responsible for all details of the project.

**ALL CONTRACTORS OF THE STATE OF NEW MEXICO**  
 REGISTERED ELECTRICAL, MECHANICAL, AND  
 PLUMBING CONTRACTORS ARE INVITED TO  
 PARTICIPATE IN THE BIDDING PROCESS.

**CONTRACTOR RESPONSIBILITIES**  
 The contractor shall be responsible for all details of the project. The contractor shall be responsible for all details of the project. The contractor shall be responsible for all details of the project.

**ELECTRICAL APPROVED - JUSTIN MORENO**  
 Exceptions As Noted  
 Checking is only for general conformance with the design concept of the project and general compliance with the information given in the contract documents. Any corrections or comments are subject to the requirements of the plans and specifications. Contractor is responsible for dimensions which shall be confirmed and completed at the job site, fabrication processes and techniques of construction, coordination of his/her work with that of all the trades and the satisfactory performance of his/her work and all code requirements. All sections shall conform with the National Electrical Code and the State of New Mexico Electrical Code.  
 06/12/2022 1:50:20 PM

**BID LOTS:**  
 BID LOT NO. 991 - ADDITIONAL PRE-K CLASSROOMS  
 BID LOT NO. 992 - CHANGE INTERIOR CMU WALLS FROM SMOOTH TO BRICK  
 BID LOT NO. 993 - DELETE THE NORTH PLAYFIELD AND IRRIGATION  
 BID LOT NO. 994 - DELETE THE UPPER CLASSROOMS IN ALL GENERAL CLASSROOM, KINDERGARTEN AND PRE-K CLASSROOMS  
 BID LOT NO. 995 - DELETE THE ADDITIONAL PLUMBING FIXTURES IN THE PRE-K AND KINDERGARTEN CLASSROOMS  
 BID LOT NO. 996A - INSTALL THE TELESCOPIC BLEACHERS AT A 250 PERSON CAPACITY  
 BID LOT NO. 996B - DELETE THE TELESCOPIC BLEACHERS

## HOBBS MUNICIPAL SCHOOLS

### Southern Heights ES Replacement



The estimated energy performance for this design meets US EPA criteria. The building will be eligible for ENERGY STAR after maintaining superior performance for one year.

**PROJECT TEAM**  
**OWNER**  
 HOBBS MUNICIPAL SCHOOLS  
 1515 E. SANGER  
 HOBBS, NM 88240  
 TEL: 575.433.0100

**ARCHITECT/LANDSCAPE**  
 DEKKER/PERICH/SABATINI  
 7601 JEFFERSON NE, SUITE 100  
 ALBUQUERQUE, NM 87109  
 TEL: 505.761.9700

**STRUCTURAL ENGINEER**  
 DEKKER/PERICH/SABATINI  
 7601 JEFFERSON NE, SUITE 100  
 ALBUQUERQUE, NM 87109  
 TEL: 505.761.9700

**CIVIL ENGINEER**  
 SMITH ENGINEERING COMPANY  
 401 N. PENNSYLVANIA  
 ROSWELL, NM 88201  
 TEL: 575.622.8866

**MECHANICAL ENGINEER**  
 ARSED ENGINEERING GROUP LLC  
 4700 LINCOLN ROAD NE  
 ALBUQUERQUE, NM 87109  
 TEL: 505.761.3100

**ELECTRICAL ENGINEER**  
 AC ENGINEERING  
 141 E Palace Ave  
 Santa Fe, NM 87501  
 TEL: 505.842.5787

**PLUMBING ENGINEER**  
 ARSED ENGINEERING GROUP  
 LLC 4700 LINCOLN ROAD NE  
 ALBUQUERQUE, NM 87109  
 TEL: 505.761.3100

**DEKKER  
 PERICH  
 SABATINI**

ARCHITECTURE  
 DESIGN  
 INSPIRATION



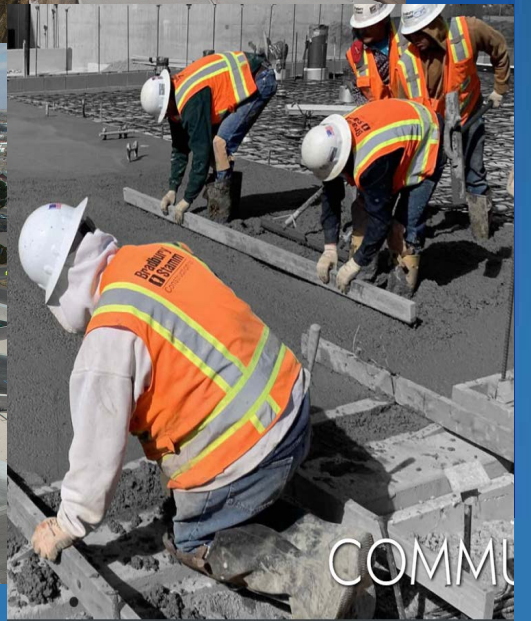
**HOBBS MUNICIPAL SCHOOLS**  
 Southern Heights ES Replacement  
 101 E. Texas St.  
 Hobbs, NM

DATE: 11/20/2021  
 PROJECT NO: 20-004-001

**CONSTRUCTION DOCUMENTS**

# DELIVERY PHASE

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There were more than a few squeals of joy and other utterances of surprise and happiness as the kids set their bags down and started putting their things away.

"It's good," said third-grader Michael Granodos, 9, who added he was excited when he walked into the building for the first time.

"I like the new projectors" in the classrooms, he said. "In the new school they go up and down by themselves." Everything is new — from technology to students desks.

Fellow third-grader Mariah Alvarado, 8, said she likes the shape of the new desks in their classroom.

"They're different," she said. "Our old desks were square."

"I like it because if you separate the desks, it makes two trapezoids," Dallan Laws, 8, piped in.



# QUESTIONS

**Mr. Gene Strickland**

Hobbs Municipal Schools,  
Superintendent

[stricklandg@hobbsschools.net](mailto:stricklandg@hobbsschools.net)

575-433-0100

**Ms. Sarah Volcko**

Regional Project Manager

[svolcko@nmpsfa.org](mailto:svolcko@nmpsfa.org)

505-231-9215