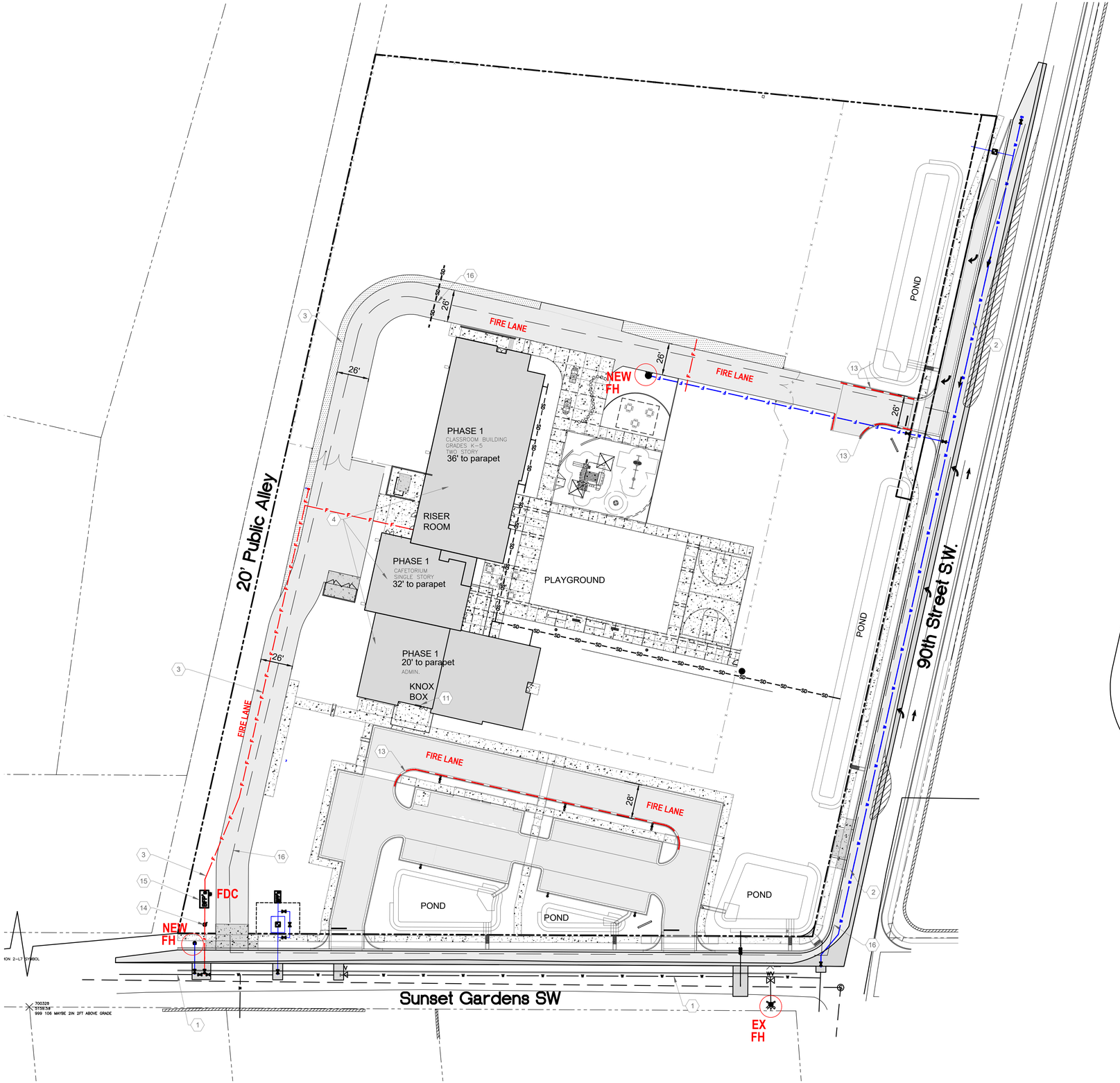

NORTH

A1 FIRE 1 PLAN

1" = 40'-0"

0 20' 40' 80'

GENERAL NOTES

A. ALL FIRE LANES ARE A MINIMUM OF 20' WIDE.
B. ALL FIRE LANES DESIGNED TO SUPPORT THE 75,000LB FIRE APPARATUS.
C. ALL FIRE LANES WILL BE DESIGNED TO BE LESS THAN 10% LONGITUDINAL SLOPE.
D. SECURITY GATES (BOTH PERSONNEL AND VEHICULAR) CAN BE CONTROLLED BY KEY'S OR ACCESS CODES LOCATED WITHIN KNOX BOXES.
E. PREMISE IDENTIFICATION WILL BE ADDED PER CITY OF ALBUQUERQUE FIRE DEPARTMENT REQUIREMENTS.
F. ACCESS AND LOADING ZONES WILL BE IDENTIFIED IN THE FIELD PER DIRECTION FROM THE CITY OF ALBUQUERQUE FIRE DEPARTMENT.
G. VEHICLES OR OBSTRUCTIONS SHALL NOT BE LOCATED WITHIN 15' OF A FIRE HYDRANT OR 5' OF THE FDC.
H. NO CHANGES ARE PROPOSED FOR ACCESS OR HYDRANT LOCATIONS.

SHEET KEYED NOTES

PROPOSED BUILDING, OCCUPANCY CLASSIFICATION "E" IBC SECTION 305
(EDUCATION), TYPE II-B CONSTRUCTION, SPRKINLERED
PHASE 1 CLASSROOM 12,642SF, TWO STORIES
PHASE 1 ADMINISTRATION 4,228SF, SINGLE STORY
PHASE 1 CAFETORIUM 4,677SF, TWO STORIES (306SF ON UPPER FLOOR)

PHASE 1 TOTAL 21,547SF, TWO STORIES (PLUS 12,948SF ON SECOND FLOOR)

PHASE 2 CLASSROOM 16,338SF, SINGLE STORY

COMBINED BUILDING
FIRST FLOOR 34,495SF,
2ND FLOOR 12,948SF
TOTAL SF = 47,443 SF (INCLUDING BOTH FLOORS)

PHASE 3 GYM 9,2000SF, TYPE II-B CONSTRUCTION SINGLE STORY,
NON-SPRINKELRED, 2,000GPM REQUIRED FIRE FLOW

PRE-K 2,900SF, TYPE V-B CONSTRUCTION, SINGLE STORY, NON-SPRINKLERED

INTERNATIONAL FIRE CODE 2021, APPENDIX B (LARGEST BLDG , 34,495SF, TWO STORY STRUCTURE, TYPE II-B CONSTRUCTION)
FIRE FLOW PER IFC TABLE B105.1(2) IS 4,750 GPM

THEREFORE REQUIRED FIRE FLOW FOR SPRINKLERED BUILDING IS 2,375 GPM.
(UTILIZING THE CITY OF ALBUQUERQUE FIRE MARSHAL'S OFFICE 50% REDUCTION)

INTERNATIONAL FIRE CODE 2021, APPENDIX C
SPACING AND NUMBER OF HYDRANTS FOR PROPOSAL BUILDING PER TABLE C102.1
MINIMUM NUMBER OF HYDRANTS = 3
AVERAGE SPACING BETWEEN HYDRANTS = 675' (FOOTNOTE F FOR 50% INCREASE)
MAXIMUM DISTANCE FROM ANY POINT ON FIRE LANE TO HYDRANT = 337.5'
(FOOTNOTE F FOR 50% INCREASE)

PERIMETER ROAD CONTAINS 3 HYDRANTS OVER A TRAVEL LENGTH OF 1934'.
AVERAGE SPACING IS 645'.

KEYED NOTES

1. EXISTING 12" PUBLIC WATERLINE.
2. NEW 8" PUBLIC WATERLINE.
3. 6" PRIVATE FIRE LINE.
4. PHASE 1 CLASSROOM BUILDING, TWO STORY, SPRINKLERED
5. NOT USED
6. NOT USED
7. NOT USED
8. PROPOSED 26' WIDE FIRE LANE.
9. EXISTING FIRE HYDRANT.
10. NEW FIRE HYDRANT.
11. KNOX BOX AT ENTRANCE
12. GRAVEL PAVE 2 FIRE LANE
13. RED CURB WITH WHITE LETTERS "FIRE LANE NO PARKING"
14. POST INDICATOR VALVE.
15. BACKFLOW PREVENTOR ENCLOSURE WITH FIRE DEPARTMENT CONNECTION
16. PATH USED FOR FIRE HYDRANT SPACING CALCULATIONS.

LEGEND

PROPERTY LINE

EASEMENT

GRAVEL PAVE2, FIRE LANE

L-09-Z ZONE ATLAS PAGE

STUDIO SW
CIVIL DEPARTMENT

scout
ARCHITECTURE + DESIGN

ARCHITECT/ ENGINEER

DAVID A. AULE NEW MEXICO 14221 REGISTERED PROFESSIONAL ENGINEER
David A Aule
Digitally signed by David A Aule
Date: 2026.03.06 12:53:33 -07'00'

ALBUQUERQUE COLLEGIATE CHARTER SCHOOL

SUNSET GARDENS AND 90TH
ALBUQUERQUE, NM

PERMIT DRAWINGS

REVISION	DATE

DATE	11-24-25
PROJECT NO	2424

FIRE 1
PLAN
PHASE 1

SHEET NO.

FIRE1