

SITE PLAN DIAGRAM ABBREVIATIONS

EVA	EMERGENCY VEHICLE ACCESS
FDC	FIRE DEPARTMENT CONNECTION
FH	FIRE HYDRANT
GB	TRASH RECEPTACLE, REFER TO LANDSCAPE
HC	HANDICAP ACCESSIBLE PARKING STALL
KB	KNOX BOX
PV	POST INDICATOR VALVE
ROW	RIGHT OF WAY

SITE PLAN DIAGRAM GENERAL NOTES

- THIS DRAWING IS A DIAGRAMMATIC REPRESENTATION OF COMPLIANCE WITH FIRE PROTECTION BUREAU REQUIREMENTS AND IS FOR JURISDICTIONAL REVIEW ONLY.
- CURB RAMPS MUST COMPLY WITH DESIGN REQUIREMENTS IN ANSI A117 SECTION 406. SEE THE CIVIL C2 SERIES DRAWINGS FOR WSDOT DETAILS FOR CURB RAMP COMPLIANCE.
- PER WSR 17-23-182 THE MINIMUM WIDTH FOR ADA ACCESSIBLE VAN PARKING ACCESS AISLES IS 96". THE AISLE IS TO BE MARKED WITH NO PARKING SIGNS AT THE HEAD OF EACH ACCESS AISLE. SEE CIVIL DETAIL 06/C2.10 FOR THE ACCESSIBLE STALL LAYOUT DETAIL.
- SEE CIVIL C2 SERIES FOR COMPLIANCE WITH MINIMUM INSIDE AND OUTSIDE TURNING RADIUS FOR EVA.

PARKING ANALYSIS

PER 18.34.080.C. FOR A HIGH SCHOOL, REQUIRED MINIMUM CAR PARKING: 1 STALL PER 5 STUDENTS
 NUMBER OF STUDENTS: 1,985
 REQUIRED STALLS: 1,985 / 5 = 397 STALLS

EXISTING STALLS TO REMAIN: 409 STALLS (SURVEYED)
 STANDARD STALLS: 10 STALLS
 VAN HANDICAP STALLS: 2 STALLS
 HANDICAP STALLS: 2 STALLS
 TOTAL STALLS PROVIDED: 423 STALLS

(NOTE: PARKING STALLS IN THE NORTH LOT ON BLHS PROPERTY WERE NOT SURVEYED AND HAVE NOT BEEN ADDED TO THE CALCULATION)

BIKE PARKING STALLS REQUIRED: NONE

EMERGENCY VEHICLE ACCESS

EMERGENCY VEHICLE ACCESS REQUIREMENTS, TABLE 17C.60.150-1 FOR COMMERCIAL DEVELOPMENT:
 MINIMUM DRIVING SURFACE: 24 FEET WIDE (4.5')
 (4) ONE WAY EVA SHALL BE A MIN OF 20 FEET WHEN SPRINKLERED, 22 FEET WITHOUT
 MINIMUM DRIVING SURFACE WITH SPRINKLERS: 22 FEET WIDE
 MINIMUM VERTICAL CLEARANCE: 13'-0"
 MINIMUM TURNING RADIUS: INSIDE = 20 FEET, OUTSIDE = 45 FEET

EMERGENCY VEHICLE ACCESS, APPLICABILITY, 17C.60.150.A:
 EVA ACCESS SHALL BE REQUIRED FOR EVERY BUILDING THAT IS LOCATED MORE THAN 150 FEET FROM THE EDGE OF THE DRIVING SURFACE OF A PUBLIC OR PRIVATE ROAD. IF A PRIVATE ROAD OR SHARED ACCESS FACILITY LEADING TO A SUBJECT PROPERTY IS A DEAD-END LONGER THAN 300 FEET WITHOUT AN APPROVED TURNAROUND, AN APPROVED TURNAROUND IS REQUIRED.

AERIAL APPARATUS ACCESS

AERIAL ACCESS, 17C.60.150.F.3: COMMERCIAL STRUCTURES THREE STORIES AND GREATER OR EXCEEDING 30 FEET IN HEIGHT, AS MEASURED FROM THE LOWEST LEVEL OF FIRE DEPARTMENT ACCESS TO THE TOP OF THE PARAPET WALL, OR TO THE PEAK OF THE ROOF, SHALL HAVE APPROVED AERIAL APPARATUS ACCESS ROADS GUIDED BY IFC APPENDIX D.105.2 - D.105.4.

AAAR WIDTH, IFC APPENDIX D.105.2: AAAR MINIMUM WIDTH: 28 FEET

AAAR PROXIMITY TO BUILDING, IFC APPENDIX D.105.3: MINIMUM DISTANCE FROM BUILDING: 15 FEET MINIMUM
 MAXIMUM DISTANCE FROM BUILDING: 30 FEET MAXIMUM
 POSITIONED PARALLEL TO ONE ENTIRE SIDE OF THE BUILDING AS APPROVED BY THE FIRE CODE OFFICIAL.

FIRE FLOW

BUILDING AREA:	EXISTING: 187,334 SF
	PROPOSED: 41,602 SF
	TOTAL: 228,936 SF

TABLE B105.1 (2) FIRE FLOW CALCULATION
 BUILDING AREA: 85,101 SF OR GREATER, REQUIRED FIRE FLOW: 8,000 GPM
 CONSTRUCTION TYPE IIB: REQUIRED FLOW DURATION (HOURS): 4 HR

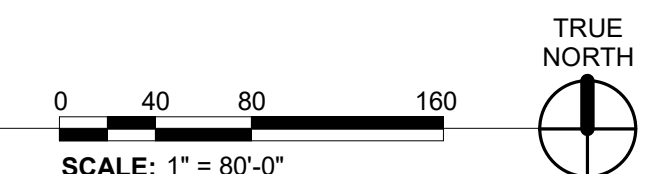
75% REDUCTION FOR SPRINKLER SYSTEM: FLOW: 8,000 GPM X 25% = 2,000 GPM*
 DURATION: 4 HR X 25% = 1 HR*

*NOTE: THE REQUIRED FIRE FLOW IS ROUNDED UP TO MEET THE MINIMUM REQUIRED BY THE CITY OF BONNEY LAKE: 2,000 GPM FOR 2 HOUR.

THE PRELIMINARY WATER AVAILABILITY LETTER DATED AUGUST 7, 2017 SHOWS THE AVAILABILITY ON SITE IS 2500 GPM FOR 180 MINUTES.



1 SITE PLAN DIAGRAM
 1" = 80'-0"



PROJECT:
 SUMNER-BONNEY LAKE SCHOOL DISTRICT
BONNEY LAKE HIGH SCHOOL EXPANSION
 10920 199TH AVE CT E
 BONNEY LAKE, WA 98391

DATE:	3.2.2026
BCSA NO:	24143
DRAWN BY:	AA
REVIEWED BY:	AA

SITE PLAN DIAGRAM

IF SHEET MEASURES LESS THAN 30"x42", IT IS A REDUCED PRINT. REDUCE SCALE ACCORDINGLY