

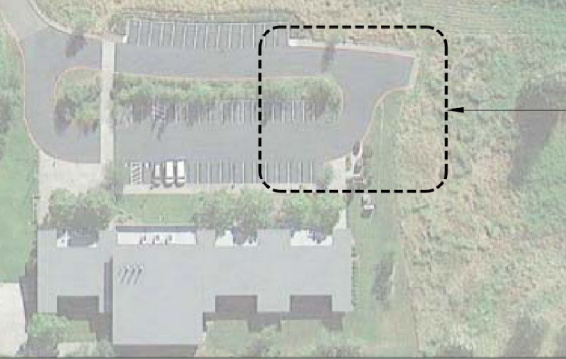
2408 SW Halsey St.



Reynolds School District  
Edge-field Campus  
2408 SW Halsey  
Troutdale, OR 97060.

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AL SITE PLAN - ARATA CREEK SCHOOL

AREA MEETING REQUIREMENTS OF ACCESS ROAD TURNAROUND FOR FIRE APPARATUS PER CONVERSATION WITH FIRE CODE OFFICIAL (FIGURE D103.1 IN APPENDIX D OF THE FIRE CODE).

MINIMUM FIRE FLOW REQUIREMENTS (OFC TABLE B105.1):  
TOTAL BUILDING 'E' AREA: 4,110 SF - AUTOMATIC SPRINKLER SYSTEM W/ FIRE ALARM  
TOTAL BUILDING 'H' AREA: 4,110 SF - AUTOMATIC SPRINKLER SYSTEM W/ FIRE ALARM

TYPE V-B FIRE CALCULATION AREA	FIRE FLOW
3,601 - 4,800 SF	1,750 GPM AT 20 PSI - 2 HR FLOW DURATION *REDUCED TO 1,500 GPM (OFC B105.3.1)

FIRE FLOW REDUCTIONS (OFC B105.3.1)  
THE TOTAL REQUIRED FIRE FLOW MAY BE REDUCED BY ONE OF THE FOLLOWING OPTIONS, BUT IN NO CASE SHALL THE RESULTING FIRE FLOW BE LESS THAN 1,500 GALLONS PER MINUTE AT 20 PSI.  
B105.3.1.1 SPRINKLER SYSTEMS (PROVIDED):  
A REDUCTION IN REQUIRED FIRE FLOW OF UP TO 75%, AS APPROVED, IS ALLOWED WHEN THE BUILDING IS PROVIDED WITH AN APPROVED AUTOMATIC SPRINKLER SYSTEM INSTALLED IN ACCORDANCE WITH SECTION 903.3.1.1 (NFPA 13) OR 903.3.1.2 (NFPA 13R).  
B105.3.1.2 FIRE ALARM SYSTEMS (PROVIDED):  
A REDUCTION IN REQUIRED FIRE FLOW OF 25% PERCENT IS ALLOWED WHEN THE BUILDING IS PROVIDED WITH AN APPROVED AUTOMATIC AND MANUAL FIRE ALARM SYSTEM THAT IS INSTALLED THROUGHOUT THE BUILDING AND IS MONITORED BY AN APPROVED CENTRAL RECEIVING STATION. THE SYSTEMS SHALL MEET ALL REQUIREMENTS OF NFPA 72 AS SPECIFIED FOR A CENTRAL STATION FIRE ALARM SYSTEM PROVIDING TOTAL (COMPLETE) COVERAGE BY DETECTION DEVICES.

NUMBER OF FIRE HYDRANTS (OFC TABLE C105.1)

FIRE FLOW REQUIREMENT (GPM)	MINIMUM NUMBER OF HYDRANTS	AVERAGE SPACING BETWEEN HYDRANTS	MAXIMUM DISTANCE FROM ANY POINT ON STREET OR RD FRONTAGE TO A HYDRANT
1,750 OR LESS	1	500 FT	250 FT

REQUIREMENTS FOR DEAD END FIRE APPARATUS ACCESS ROADS (OFC TABLE D103.4)

LENGTH (FT)	WIDTH (FT)	TURNAROUNDS REQUIRED
OVER 750	20	120-FOOT HAMMERHEAD, 90-FOOT "Y" OR 96-FOOT DIAMETER CUL-DE-SAC IN ACCORDANCE WITH FIGURE D103.1

## SITE PLAN SYMBOLS LEGEND

NOT ALL SYMBOLS MAY BE USED

	(E) BUILDING IN THIS CU-MOD
	(E) BUILDING
	(E) PARKING AND DRIVE
	(E) SIDEWALKS
	(E) LANDSCAPE AREA - IMPROVED
	(E) LANDSCAPE AREA - NATURAL AREA
	(E) NO. OF PARKING SPACES

## SITE PLAN GENERAL NOTES

1. SITE PLAN IS FOR GENERAL PURPOSES ONLY.
2. INFORMATION RELATING TO THE EXISTING BUILDING AND SITE IS BASED ON FIELD MEASUREMENTS AND CASUAL OBSERVATION. ACTUAL CONDITIONS MAY VARY AND SHALL BE FIELD VERIFIED BY THE CONTRACTOR.
3. GRAPHIC REPRESENTATION OF THE AFFECTED AREAS ON DRAWINGS MAY BE SMALLER OR LARGER THAN INDICATED.
4. ONLY MAJOR SITE ELEMENTS ARE SHOWN.

