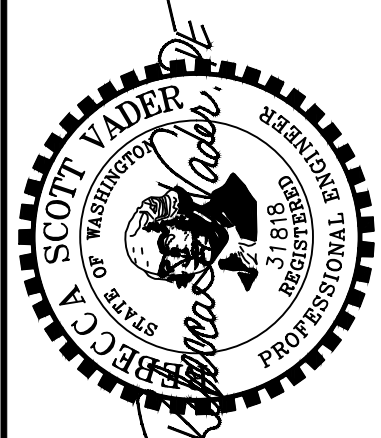


CASCADE CHRISTIAN SCHOOL CAMPUS - ELEMENTARY & JR. HIGH PORTABLES

SITE CUP MASTER PLAN & EVA/FIRE TRUCK AUTOTURN ACCESS EXHIBIT
A PORTION OF THE S 1/2 OF SECTION 26 AND N 1/2 OF SECTION 35, TOWNSHIP 20 NORTH, RANGE 4 EAST, W.M.
PIERCE COUNTY, WASHINGTON (CITY OF PUYALLUP)

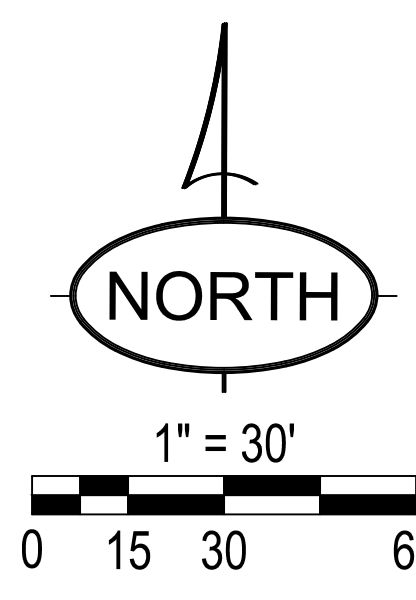
CASCADE CHRISTIAN SCHOOL CAMPUS ELEMENTARY & JR. HIGH PORTABLES
SITE CUP MASTER PLAN & EVA/FIRE TRUCK AUTOTURN ACCESS



VADER
ENGINEERING
6817 27TH ST W, #65353
TACOMA, WA 98464
253.363.2885
vader@vaderengineering.com

NO.	REVISION

PROJECT NO: 2409-6
SCALE: VARIES
DESIGNED: RSV
DRAWN: AMS
SAVED: 3/5/2025
PLOT DATE: 3/5/2025



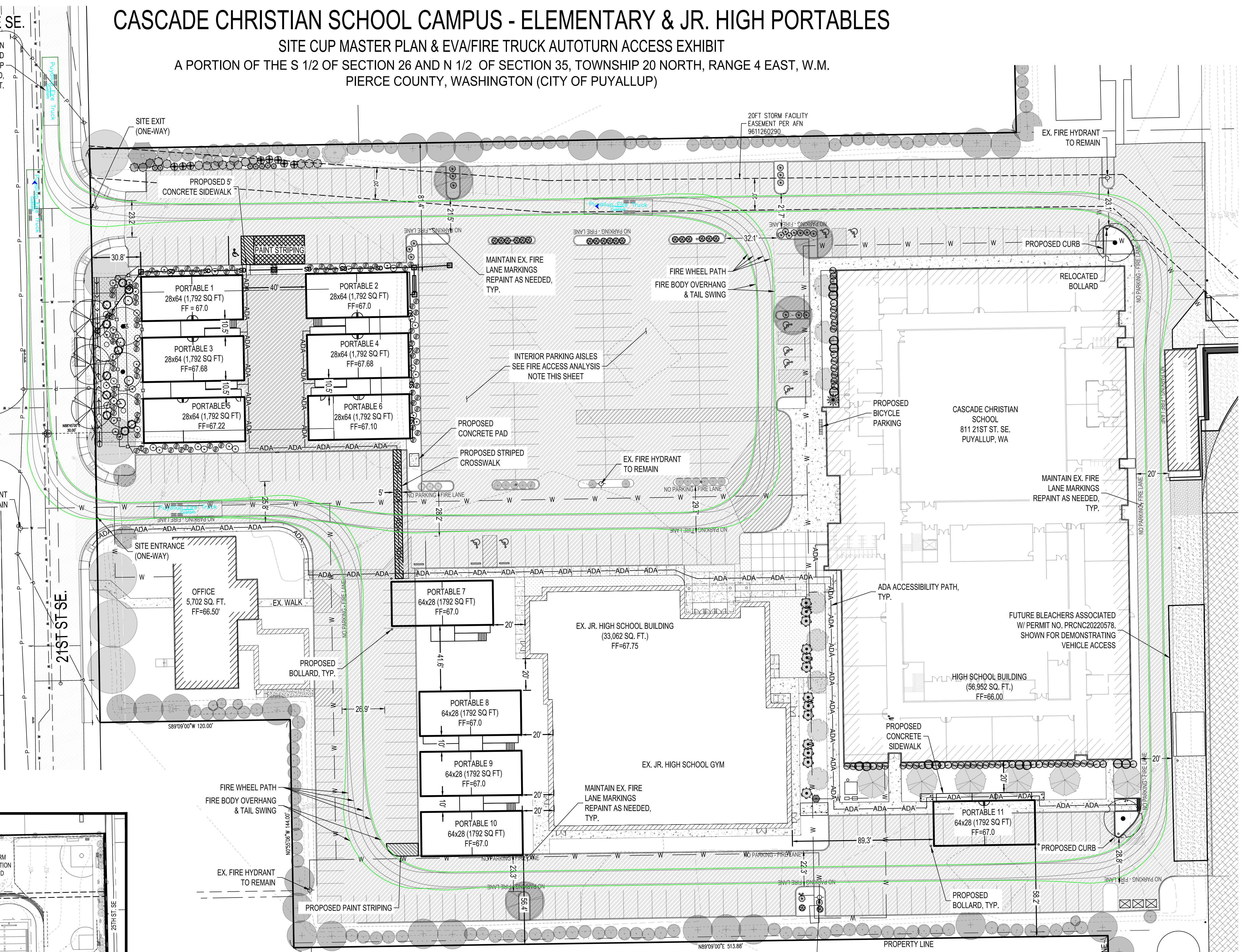
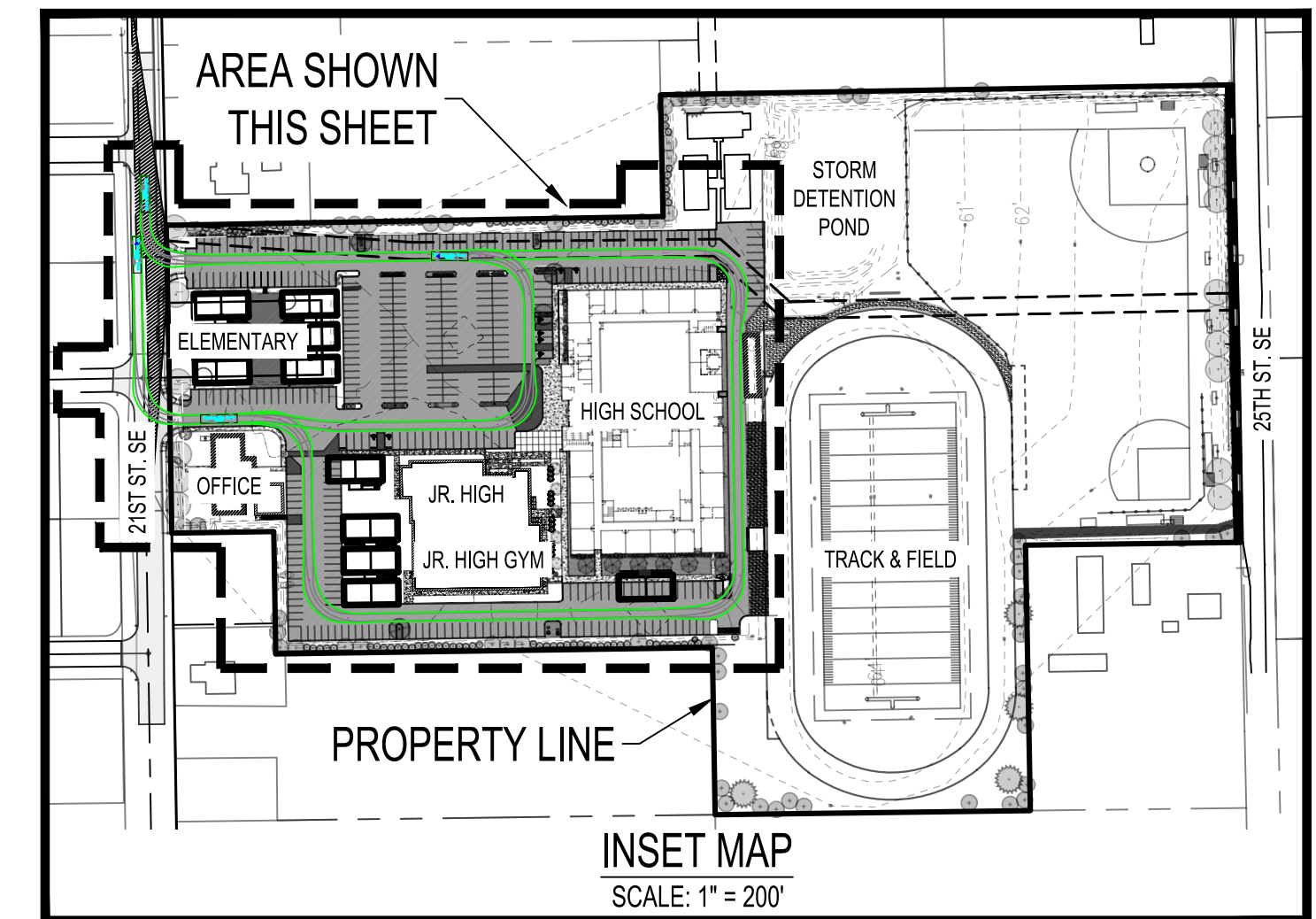
BASIS OF BEARING
MONUMENTED CENTERLINE OF 21ST STREET EAST, THAT BEING N0°43'16"E

DATUM
VERTICAL DATUM:
NAVD 88 - BASED ON PIERCE COUNTY GIS
CONTOUR INTERVAL: 2'
HORIZONTAL DATUM:
NAD 83-91 (WASHINGTON STATE SOUTH ZONE)

SITE BENCHMARK
MONUMENT IN CASE WITH 3" BRASS DISK, 0.8' BELOW RIM, POINT NUMBER 501 AT INTX. 9TH AVE. CT E., & 21ST ST. E. ELEVATION=64.528.

PARKING ANALYSIS
REQUIRED TOTAL PARKING STALLS: 272
EXISTING TOTAL PARKING STALLS: 411
PROPOSED TOTAL PARKING STALLS: 390
216 REGULAR PARKING STALLS
174 COMPACT STALLS
INCLUDED: 9 ADA VAN ACCESSIBLE STALLS TOTAL

FIRE ACCESS ANALYSIS
EXISTING DRIVE AISLE CLEARANCES ARE DEPICTED ON THE PLAN. TO ACCOMMODATE FIRE ACCESS CONCURRENT WITH PICK-UP AND DROP-OFF QUEUING, AN ADDITIONAL LANE WIDTH OF AT LEAST 8 FEET AND UP TO 12 FEET IS PROVIDED IN AISLES ADJACENT TO THE JUNIOR/SENIOR DROP-OFF AND PICK-UP AREA. THIS CONFIGURATION ALLOWS QUEUING VEHICLES TO YIELD AND PULL OVER IF FIRE ACCESS REQUIRED. IN ADDITION, THREE INTERIOR PARKING AISLES ARE AVAILABLE FOR FASTER LANE CLEARING AND SUPPORT EMERGENCY VEHICLE MOVEMENT.



CUSTOM AUTOTURN FIRE TRUCK SPECS

NAME: PUYALLUP FIRE TRUCK	DIMENSIONS	FRONT AXLES
STEERING LOCK ANGLE: 41.2 DEG.	FULL LENGTH: 43.0'	QUANTITY: 1
STEERING: FRONT ONLY	OVERHANG: 7.1'	TRACK: 10'
LOCK TO LOCK: 6 SEC.	WHEELBASE: 21.4'	REAR AXLES
TURN WHEELS FROM STOP: NOT SELECTED	TAIL SWING: 13.5'	QUANTITY: 2
		TRACK: 8.5'

PICK-UP & DROP-OFF NOTE
CURRENT AND PROPOSED PICK-UP & DROP-OFF POINTS FOR SCHOOL OPERATIONS IDENTIFIED DURING EARLIER SITE VISIT WITH FIRE DEPARTMENT AND IS TO REMAIN UNCHANGED. PLEASE SEE ASSOCIATED TRAFFIC REPORT FOR MORE DETAIL.

VEHICLE QUEUING NOTE
VEHICLE QUEUING TO OCCUPY ONLY A SINGLE LANE FOR PICK UP AND DROP OFF. DRIVER TO REMAIN IN VEHICLE.