BHS Historic Tree Removal

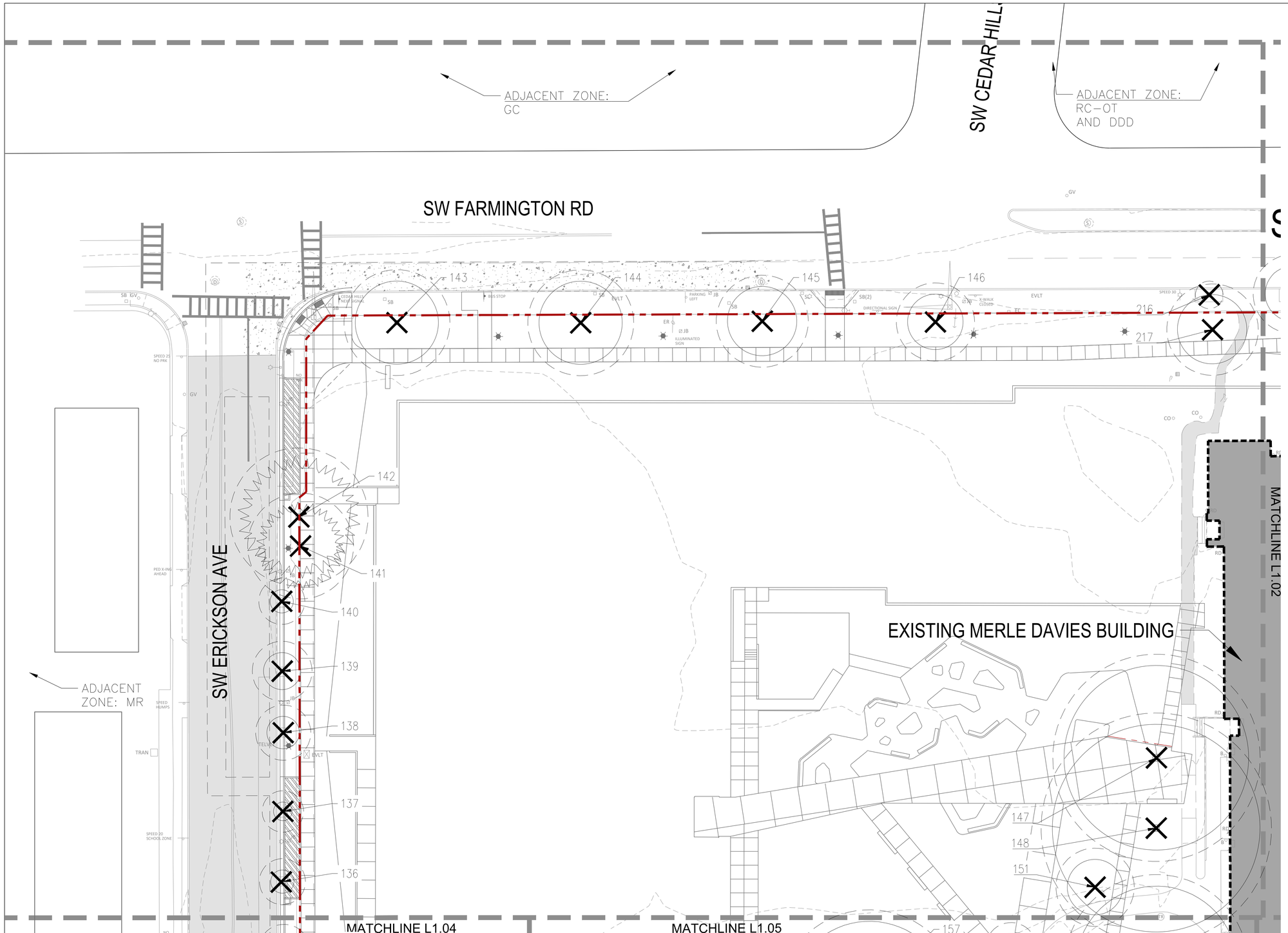
A drawing of the existing trees in question is overlaid on proposed site improvements in the version of Sheet TR1.01 attached

Norway Maples. There are four Norway maple trees located along the northwest frontage of the BHS site. The trees are proposed for removal due to construction impacts associated with the construction of the new high school building. While the four trees will be located in a planter strip area between the existing sidewalk and the new sidewalk, trenching for electrical conduit servicing the new street lights will go through the root zones of all four trees. The westernmost maple tree's root zone will also be adversely impacted by trenching for a new stormwater drainage line extending to SW Farmington Road. The third tree, counting from the west, will also have significant adverse root zone impact by another stormwater drainage line extending to SW Farmington Road.

The District also notes that the Norway maple is not an approved street tree as it is not listed in the City of Beaverton's 2023 adopted Urban Forest document. In some circumstances, Norway maples are also listed as a nuisance by the Beaverton Development Code. The project proposes planting new street trees to accommodate the ultimate arterial roadway section and future widening of the SW Farmington right-of-way, which will require the removal of the existing Norway maple trees. See attached Sketch CSK-7.3.

Ponderosa Pines. There are two Ponderosa pines located near the northwest corner of BHS site along the SW Erickson frontage. These trees are proposed for removal due to the construction impacts to the trees by the new high school building and associated SW Erickson frontage improvements. The sidewalk location associated with a City of Beaverton 3-Lane Collector will be placed where the trees are currently located.

The District considered moving the sidewalk further east away from the trees in an attempt to preserve the trees. Preservation was found to not be feasible since there will still be significant adverse impacts to the root zones of the trees. The proposed building and associated improvements will be in the existing field area east of the trees. This field is regularly irrigated and maintained, which has substantially contributed to the health of the trees. The new structure, underground utilities, and the new sidewalk will eliminate more than 55% of the root zone of these trees, which is too much damage for the trees to survive. Lastly, the City's 2023 Urban Forest document notes that Ponderosa pine trees are appropriate for the urban forest as street trees in environments where there is a 9-foot planting area. The planting area for this section of SW Erickson Avenue is 7 feet, not including the curb width (see Exhibit A, Sheet ST7.3, in the August 11, 2023 submittal).



LEGEND

- PROPERTY LINE
- 100 YR FLOODPLAIN
- PROTECT EXISTING TREE TO REMAIN
- REMOVE EXISTING TREE
- ROOT PROTECTION ZONE (RPZ)

GENERAL NOTES:

1. SURVEY INFORMATION PROVIDED BY KPFF, 111 SW FIFTH AVE, SUITE 2400, PORTLAND, OR 97204;
   P: 503.227.3251;
   F: 503.224.4681
   JOB #2200250, DATED 3/2/23
2. ARBORIST REPORT TREE INVENTORY PROVIDED BY PORTLAND TREE CONSULTANCY; SURVEYED OCT. 13-14, 2022
   P: 573.999.3886
3. REFER TO TREE TABLE ON SHEET L1.00 C FOR MORE INFORMATION
4. REFER TO CIVIL DRAWING FOR ALL RIGHT-OF-WAY INFORMATION, UTILITIES AND TOPOGRAPHIC INFORMATION

N

0 5 10 20 40
SCALE: 1" = 20'-0"

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BEAVERTON SCHOOL DISTRICT
13000 SW 2ND STREET,
BEAVERTON OR 97005

WALKER MACY

BEAVERTON HIGH SCHOOL REBUILD

BEAVERTON, OREGON

REGISTERED 586 Chelsea M. McCann 12/20/05 OREGON LANDSCAPE ARCHITECT

key plan: LX.01 LX.02 LX.03 LX.04 LX.05 LX.06 LX.07 LX.08 LX.09 LX.10 LX.11 LX.12

PROJECT NUMBER: 21016
DRAWN BY:
REVIEWED BY:

PHASE:
LAND USE RESUBMITTAL SET - TREE PLAN 3
ISSUE DATE:
08/11/23
REVISIONS:

NOT FOR CONSTRUCTION

EXISTING CONDITIONS PLAN
TR1.01

EXISTING SW FARMINGTON ROAD CURB LOCATION

FUTURE SW FARMINGTON ROAD CURB LOCATION

PROP. STORM LINE

PROP. STORM LINE

10" EX. NORWAY MAPLE

12" EX. NORWAY MAPLE

18" EX. NORWAY MAPLE

22" EX. NORWAY MAPLE

32" EX. PONDEROSA PINE

40" EX. PONDEROSA PINE

S 12°46'12" W
13.67

S 00°00'40" W 66.46

VARIES

2+00

3+00

4+0

22"

18"

10"

12"

#14

BUS STOP

PARKING LEFT

JB

EVLT

ILLUMINATED SIGN

DIRECTIONAL SIGN

SB(2)

ICV

12"SD

195

kpff

0 10 20

BEAVERTON HIGH SCHOOL
SW ERICKSON AVE. & SW
FARMINGTON RD. FRONTAGE

PROJECT NO.	2100178
DATE	08/15/2023
BY	EIM
REFERENCE SHEET	ST7.3
SKETCH NO.	CSK-7.3