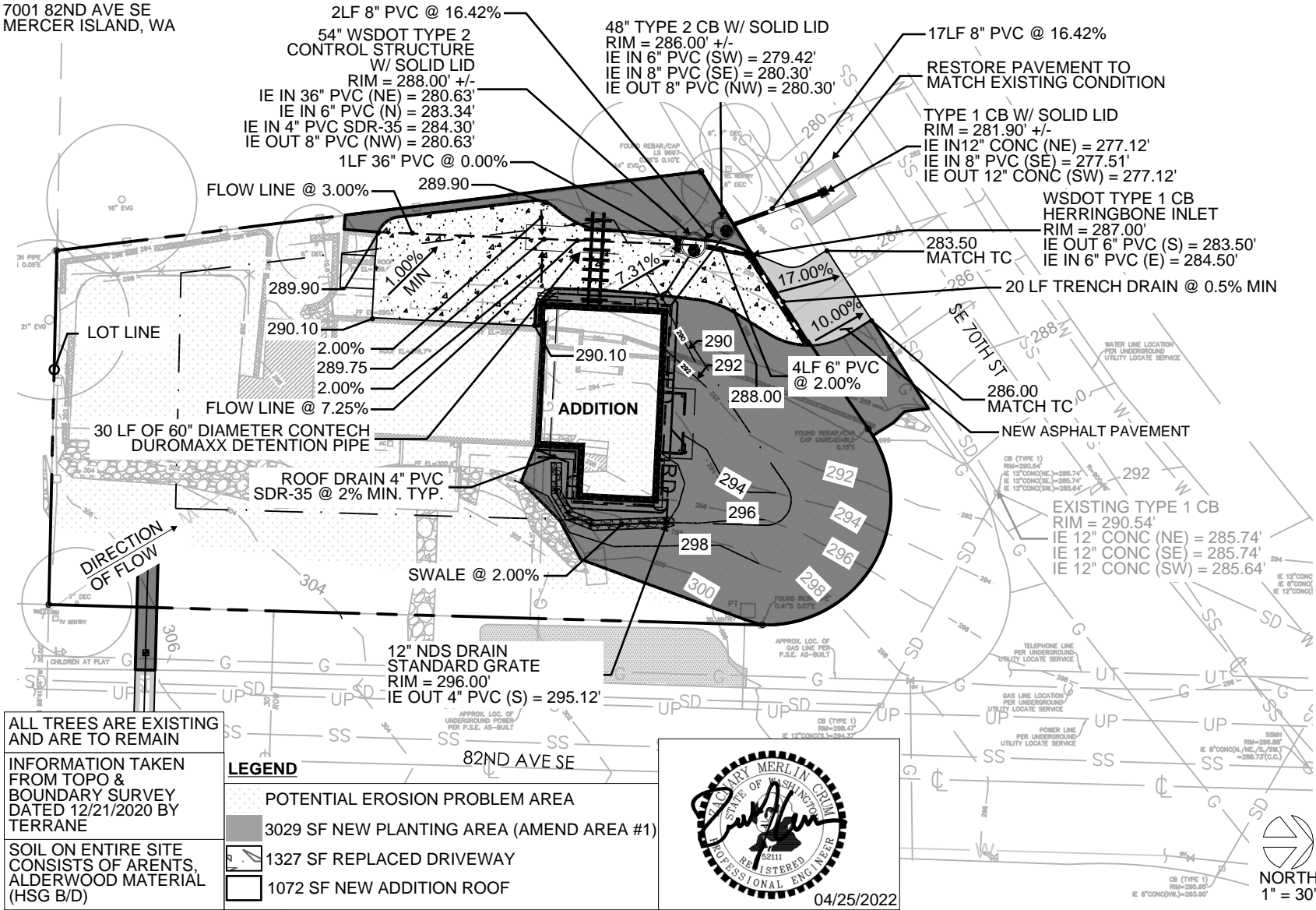


# DRAINAGE & EROSION CONTROL PLAN

7001 82ND AVE SE  
MERCER ISLAND, WA



2LF 8" PVC @ 16.42%  
54" WSDOT TYPE 2 CONTROL STRUCTURE W/ SOLID LID  
RIM = 288.00' +/-  
IE IN 36" PVC (NE) = 280.63'  
IE IN 6" PVC (N) = 283.34'  
IE IN 4" PVC SDR-35 = 284.30'  
IE OUT 8" PVC (NW) = 280.63'

48" TYPE 2 CB W/ SOLID LID  
RIM = 286.00' +/-  
IE IN 6" PVC (SW) = 279.42'  
IE IN 8" PVC (SE) = 280.30'  
IE OUT 8" PVC (NW) = 280.30'

17LF 8" PVC @ 16.42%  
RESTORE PAVEMENT TO MATCH EXISTING CONDITION  
TYPE 1 CB W/ SOLID LID  
RIM = 281.90' +/-  
IE IN 12" CONC (NE) = 277.12'  
IE IN 8" PVC (SE) = 277.51'  
IE OUT 12" CONC (SW) = 277.12'

WSDOT TYPE 1 CB HERRINGBONE INLET  
RIM = 287.00'  
IE OUT 6" PVC (S) = 283.50'  
IE IN 6" PVC (E) = 284.50'

20 LF TRENCH DRAIN @ 0.5% MIN

286.00 MATCH TC  
NEW ASPHALT PAVEMENT

EXISTING TYPE 1 CB  
RIM = 290.54'  
IE 12" CONC (NE) = 285.74'  
IE 12" CONC (SE) = 285.74'  
IE 12" CONC (SW) = 285.64'

1LF 36" PVC @ 0.00%  
FLOW LINE @ 3.00%

30 LF OF 60" DIAMETER CONTECH DUROMAXX DETENTION PIPE

ROOF DRAIN 4" PVC SDR-35 @ 2% MIN. TYP.

SWALE @ 2.00%

12" NDS DRAIN STANDARD GRATE  
RIM = 296.00'  
IE OUT 4" PVC (S) = 295.12'

ALL TREES ARE EXISTING AND ARE TO REMAIN

INFORMATION TAKEN FROM TOPO & BOUNDARY SURVEY DATED 12/21/2020 BY TERRANE

SOIL ON ENTIRE SITE CONSISTS OF ARENTS, ALDERWOOD MATERIAL (HSG B/D)

LEGEND	
	POTENTIAL EROSION PROBLEM AREA
	3029 SF NEW PLANTING AREA (AMEND AREA #1)
	1327 SF REPLACED DRIVEWAY
	1072 SF NEW ADDITION ROOF

82ND AVE SE

04/25/2022

