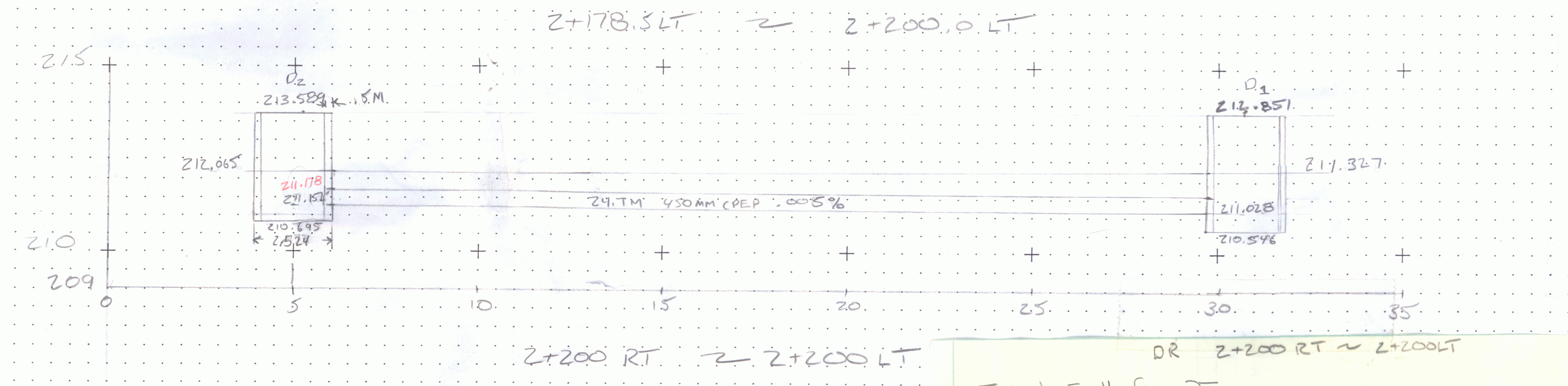
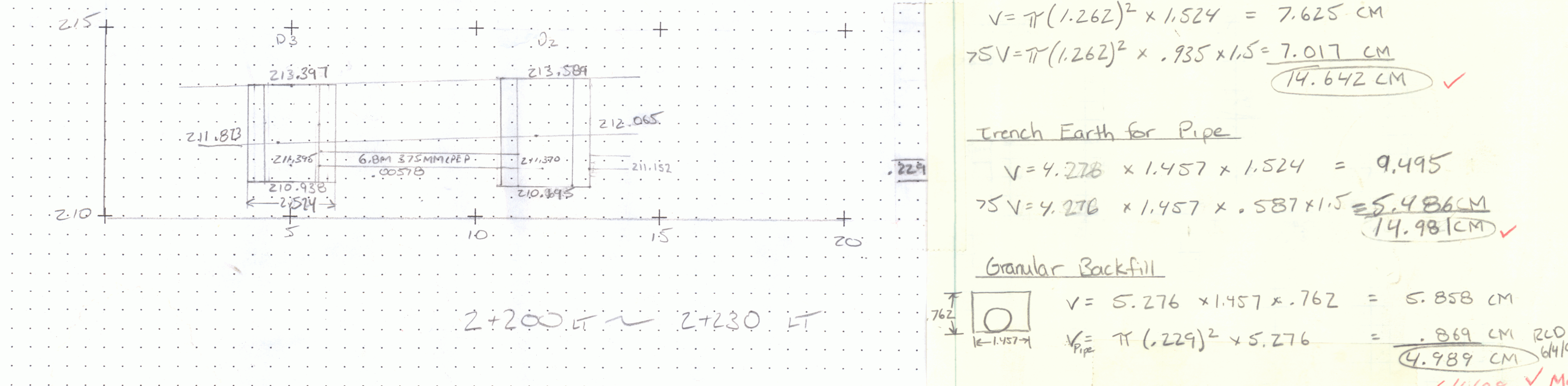


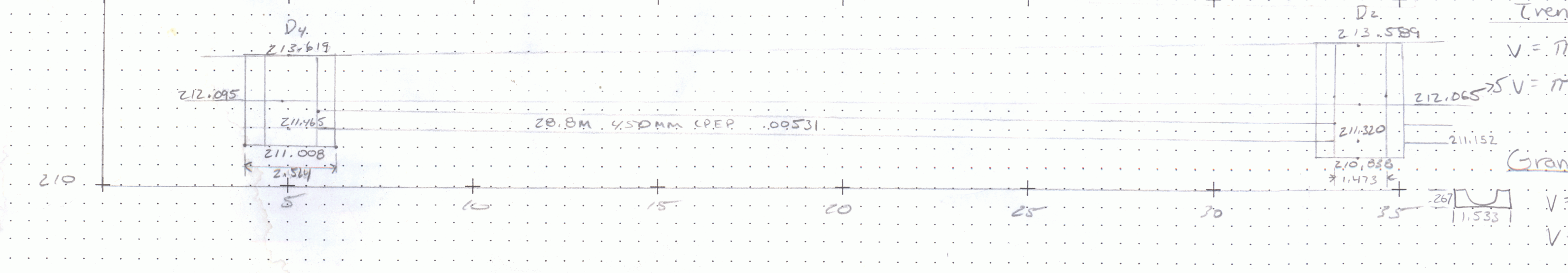
5/29
 Trench Earth for Pipe
 $V = 12.040 \times 1.405 \times 1.524 = 25.780$
 $75V = 12.040 \times 1.405 \times .324 \times 1.5 = 8.221$
 (34.001 CM)
 Granular Backfill
 $V = 12.040 \times 1.405 \times .710 = 12.011$
 $V_{pipe} = \pi(2.03)^2 \times 12.040 = 1.559$
 (10.452 CM)
 18" CPEP
 14 M
 DI @ 2+178.5 LT
 $V = \pi(1.262)^2 \times 1.524 = 7.625$
 $75V = \pi(1.262)^2 \times .781 \times 1.5 = 5.862$
 (13.487 CM) ✓
 RCD 4/2/08
 MCS 4/2/08



DR 2+178.5 LT ~ 2+200.0 LT
 Trench Earth for DI
 $V = \pi(1.262)^2 \times 1.524 = 7.625$ CM
 $75V = \pi(1.262)^2 \times 1.370 \times 1.5 = 10.282$ CM
 (17.907 CM) ✓
 Trench Earth for Pipe
 $V = 22.176 \times 1.533 \times 1.524 = 51.810$
 $75V = 22.176 \times 1.533 \times .606 \times 1.5 = 30.902$
 (82.712 CM) ✓
 Granular Backfill
 $V = 23.176 \times 1.533 \times .838 = 29.773$ CM
 $V = 23.176 \times \pi(.267)^2 = 5.191$ CM
 (24.582 CM) ✓
 RCD 4/2/08
 MCS 4/2/08



DR 2+200 RT ~ 2+200 LT
 Trench Earth for DI
 $V = \pi(1.262)^2 \times 1.524 = 7.625$ CM
 $75V = \pi(1.262)^2 \times .935 \times 1.5 = 7.017$ CM
 (14.642 CM) ✓
 Trench Earth for Pipe
 $V = 4.276 \times 1.457 \times 1.524 = 9.495$
 $75V = 4.276 \times 1.457 \times .587 \times 1.5 = 5.486$ CM
 (14.981 CM) ✓
 Granular Backfill
 $V = 5.276 \times 1.457 \times .762 = 5.858$ CM
 $V_{pipe} = \pi(.229)^2 \times 5.276 = .899$ CM
 (4.989 CM) ✓
 RCD 4/2/08
 MCS 4/2/08



Pipe
 $V = 27.276 \times 1.533 \times 1.524 = 61.388$ CM
 $75V = 27.276 \times 1.533 \times .688 \times 1.5 = 41.570$ CM
 (102.958 CM) ✓
 Granular Backfill
 $V = 27.276 \times 1.533 \times .838 = 35.040$ CM
 $V = 27.276 \times \pi(.267)^2 = 6.109$ CM
 (28.931 CM) ✓
 RCD 4/2/08
 MCS 4/2/08

PROJECT:	PROJECT NO.:
DESIGN FILE NAME:	PLOT DATE: 01-MAY-1996
IPARM FILE NAME:	SHEET: OF