

### PRE-ENGINEERED WASTE TRANSFER TANKS

Wieser Concrete Tank (see page 10-WI-31 for more details)	100pcf Lateral Load with H2O Traffic (Max. Earth Cover) ft	60pcf Lateral Load with H2O Traffic (Max. Earth Cover) ft	100pcf Lateral Load without Traffic (Max. Earth Cover) ft	60pcf Lateral Load without Traffic (Max. Earth Cover) ft
<b>W8000</b>	1.375	6.3	1.875	6.375
<b>W12000</b>	-1	2.979	-0.5	3.813
<b>W18000</b>	-1	3.099	-0.5	3.828
<b>W38000</b>	N/A	N/A	-3.25	0.422
<b>WEHD1600-LP</b>	8	14	N/A	N/A
<b>WEHD1000-600-LP</b>	8	14	N/A	N/A
<b>WEHD1200-800</b>	6	12.5	N/A	N/A
<b>WEHD2000</b>	6.25	13	N/A	N/A
<b>WEHD2500</b>	10	16	N/A	N/A
<b>WEHD3000</b>	7.25	15	N/A	N/A
<b>WEHD4000</b>	3.5	9.83	N/A	N/A
<b>WEHD4000-LP</b>	7.75	12	N/A	N/A
<b>WEHD5000</b>	5.33	12	N/A	N/A
<b>WEHD6000</b>	2.5	9.5	N/A	N/A
<b>WEHD6000-LP</b>	4.75	9	N/A	N/A
<b>WEHD7000</b>	1.75	7	2.5	7.67
<b>WEHD8000</b>	0.17	5.25	1	5.53
<b>WEHD9000</b>	N/A	3.42	-0.67	3.5
<b>WEHD10000</b>	N/A	0.25	-2	1.5

**Notes:**

- Tank designation: W=Wieser; EHD=Extra Heavy Duty; Number shown=full tank capacity; LP=Low Profile (wider and shallower)
- Zero Datum = top of tank, positive numbers are earthfill above the datum, negative numbers mean earthfill is below the datum
- N/A – means that the tank would not work for this design case
- Structural calculations use the following assumptions for loading conditions:
  - Equivalent lateral fluid pressures include: 60 pcf used for sand/gravel backfill and 100 pcf used for site soils
  - Traffic loading capacity is for H-20 design vehicle (32,000 lb. axle)