



HEADWALL (Inlet)

FOOTER

Base, $192.837 \times 1.5 / 27 = 10.713$ Cu.Yd.
 Cutoff, $50.107 \times 2.5 / 27 = 4.640$ Cu.Yd.
 Ext., $1.056 \times 9.333 / 27 = 0.365$ Cu.Yd.

WINGWALLS

$10 \times 7.333 \times 1.0 / 27 = 2.716$ Cu.Yd.
 $15 \times 7.583 \times 1.0 / 27 = 4.074$ Cu.Yd.

CORNER (Misc.)

$0.414 \times 7.333 / 27 = 0.112$ Cu.Yd.

HEADWALL

$9.333 \times 1.0 \times 1.0 / 27 = 0.346$ Cu.Yd.

TOTALS, (Inlet)

(Footer) = 15.718 Cu.Yds., (Wingwalls) = 6.90 Cu.Yds., (Headwall) = 0.346 Cu.Yds.

HEADWALL (Outlet)

FOOTER

Base, $170.825 \times 1.5 / 27 = 9.490$ Cu.Yd.
 Cutoff, $44.107 \times 2.5 / 27 = 4.084$ Cu.Yd.
 Ext., $1.056 \times 9.333 / 27 = 0.365$ Cu.Yd.

WINGWALLS

$8.5 \times 6.333 \times 1.0 / 27 = 1.994$ Cu.Yd.
 $12.5 \times 6.583 \times 1.0 / 27 = 3.048$ Cu.Yd.

CORNER (Misc.)

$0.414 \times 7.333 / 27 = 0.112$ Cu.Yd.

HEADWALL

$9.333 \times 1.0 \times 1.0 / 27 = 0.346$ Cu.Yd.

TOTALS, (Outlet)

(Footer) = 13.939 Cu.Yds., (Wingwalls) = 5.154 Cu.Yds., (Headwall) = 0.346 Cu.Yds.

CONCRETE SUMMARY

CONCRETE TOTALS

(Footer) 15.718 (Inlet) + 13.939 (Outlet) = 29.657 or 30 Cu.Yds.
 (Wingwalls) 6.902 (Inlet) + 5.154 (Outlet) = 12.056 or 12 Cu.Yds.
 (Headwall) 0.346 (Inlet) + 0.346 (Outlet) = 0.692 or 1 Cu.Yds.

CONCRETE CALCULATIONS