



INLET WINGWALL ELEVATION

HEADWALL (Inlet)

WINGWALL (Lt.)

Front, $(7.33 + 2.6) / 2 \times 10 / 9 = 5.52 \text{ Sq.Yd.}$

Back, $(2.6 + 1.5) / 2 \times 10 / 9 = 2.28 \text{ Sq.Yd.}$

WINGWALL (Rt.)

Front, $(7.33 + 2.3) / 2 \times 15 / 9 = 8.03 \text{ Sq.Yd.}$

Back, $(2.3 + 1.5) / 2 \times 15 / 9 = 3.17 \text{ Sq.Yd.}$

TOP & ENDS (Wingwalls)

Top & Ends, $(2.6 + 19.716 + 15.207 + 2.3) / 9 = 4.43 \text{ Sq.Yd.}$

BOX AREA

Face, $((9.33 \times 6.67) - 40) / 9 = 2.47 \text{ Sq.Yd.}$

HW (Back) & Corner (Back), $1 \times 9.83 / 9 = 1.09 \text{ Sq.Yd.}$

Inside, $(8 + 8 + 5 + 5) \times 2 / 9 = 5.78 \text{ Sq.Yd.}$

RIPRAP EXT.

Ext., $1.58 \times 9.33 / 9 = 1.64 \text{ Sq.Yd.}$

SEALING CONCRETE SURFACES SUMMARY

TOTAL (Inlet), $5.52 + 2.28 + 8.03 + 3.17 + 4.43 + 2.47 + 1.09 + 5.78 + 1.64 = 34.41 \text{ or } 34 \text{ Sq.Yds.}$

SEALING CONCRETE SURFACES CALC'S

PID No. 116041 C.R.S. NOB-146-0.95 CALCULATED BY: CAK DATE: 3/14/23