



OUTLET WINGWALL ELEVATION

HEADWALL (Outlet)

WINGWALL (Lt.)

Front, $(7.33 + 1.5) / 2 \times 8.5 / 9 = 4.17 \text{ Sq.Yd.}$

Back, $(1.5 + 1.5) / 2 \times 8.5 / 9 = 1.42 \text{ Sq.Yd.}$

WINGWALL (Rt.)

Front, $(7.33 + 1.5) / 2 \times 12.5 / 9 = 6.13 \text{ Sq.Yd.}$

Back, $(1.5 + 1.5) / 2 \times 12.5 / 9 = 2.08 \text{ Sq.Yd.}$

TOP & ENDS (Wingwalls)

Top & Ends, $(1.5 + 18.448 + 12.797 + 1.5) / 9 = 3.81 \text{ Sq.Yd.}$

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 (Outlet), $4.17 + 1.42 + 6.13 + 2.08 + 3.81 + 2.47 + 1.09 + 5.78 = 28.59 \text{ or } 29 \text{ Sq.Yds.}$

SEALING CONCRETE SURFACES CALC'S

PID No. 116041

C.R.S.

NOB-146-0.95

CALCULATED BY: CAK

DATE: 3/14/23