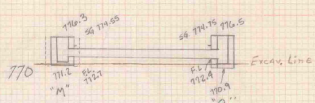


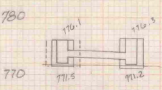
AS BUILT SHEET
This sheet of construction
was prepared by the contractor
and checked by the engineer
on 3/27/22

PIPE MD
DI M



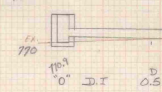
DI "M": Common Ex Elev 771.5
 $0.3' \times 6' \times 6' + 27 = 0.4 \text{ cy}$
 (18" x 15") Pipe = $0.004 \text{ cy} \times 0.13 = 0.5 \text{ cy}$
 DI "O": Common Ex Elev 771.5

PIPE NM
DI "N"



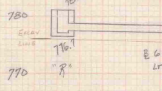
DI "N" 40' LF 45'
 Common Ex Elev 771.5
 $(771.5 - 771.5) \times 6' \times 6' + 27 = 0.4 \text{ cy}$

PIPE O - Outlet
DI "O"



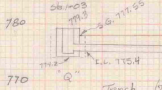
DI "O" $0.5' \times 6' \times 6' + 27 = 0.7 \text{ cy}$
 Trench $14' \times 3.9' \times \frac{0.1}{2} + 27 = 1.0 \text{ cy}$
 Total 1.7 cy

PIPE RS
DI "R"



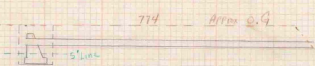
DI "R" $0.5' \times 6' \times 6' + 27 = 0.7 \text{ cy}$
 Trench $14' \times 3.9' \times \frac{0.1}{2} + 27 = 1.0 \text{ cy}$
 Total 1.7 cy

PIPE Q - MH-SI
DI "Q"



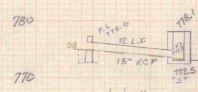
DI "Q" $0.5' \times 6' \times 6' + 27 = 0.7 \text{ cy}$
 Trench $14' \times 3.9' \times \frac{0.1}{2} + 27 = 1.0 \text{ cy}$
 Total 1.7 cy

XY w/ Headwall



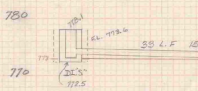
Excav for Headwall $W.O. \#0$
 $0-5' \quad 6' \text{ w} \times 10' \text{ l} \times 5' \text{ d} + 27 = 11.1 \text{ cy}$
 $5-7' \quad 6' \text{ w} \times 10' \text{ l} \times 2' \text{ d} \times 150\% + 27 = 6.7 \text{ cy}$
 Total 17.8 cy
 Pipe $3.6' \times 45' \times 3.6' \text{ w} + 27 = 20.0 \text{ cy}$
 Total 37.8 cy

PIPE TS
Headwall "T"



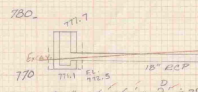
Headwall design from old D 2 for 15' x 15'
 Headwall: $1' \times 2' \times 5' \times 2 + 27 = 0.33 \text{ cy}$
 W. Tr. Ex. for the pipe = 0.04 cy
 Total = 0.37 cy

PIPE S-W
DI "S"



DI "S" $(773.0 - 772.5) \times 6' \times 6' + 27 = 0.7 \text{ cy}$
 Pipe = $0.04 \text{ cy} \times 27 = 0.1 \text{ cy}$

PIPE W - Outlet
DI "W"



DI "W" $0.5' \times 6' \times 6' + 27 = 0.7 \text{ cy}$
 Pipe $(\frac{11' \times 2.8'}{2}) \times 3.9' \text{ w} \times 22' \text{ l} + 27 = 5.1 \text{ cy}$
 Total 7.8 cy

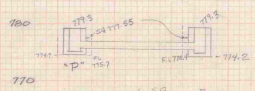
Pipe $\left[\frac{0.33 + 0.04}{2} \right] + \left[\frac{0.35 + 0.04}{2} \right] \times 3.6' \text{ w} \times 100' \text{ l} + 27 = 42.7 \text{ cy}$

Normal 5' line $5' \text{ w} \times 3.6' \text{ l} \times 100' + 27 = 12 \text{ cy}$

Below 5' line $\left[\frac{178.0 - 173.99}{2} \right] + \left[\frac{174.0 - 173.5}{15} \right] \times 100' \times 3.6' \times 150\% + 27 = 21.1 \text{ cy}$

Pipe Total 141.8 cy

PIPE PQ
DI "P"



DI "P" $(772.5 - 771.0) \times 6' \times 6' + 27 = 3.8 \text{ cy}$
 Pipe $\left[\frac{0.33 + 0.04}{2} \right] + \left[\frac{0.35 + 0.04}{2} \right] \times 3.6' \times 16' + 27 = 4.3 \text{ cy}$

AS BUILT PLANS
 I hereby certify that the construction shown on this set of drawings has been completed in accordance with the contract.
 By Dale R. Johnson
 Date 3/28/17

Final Check
 2/10/17

ROTUNDO STATE AIRPORT
 AIR 23-2022

1" = 10' D-2