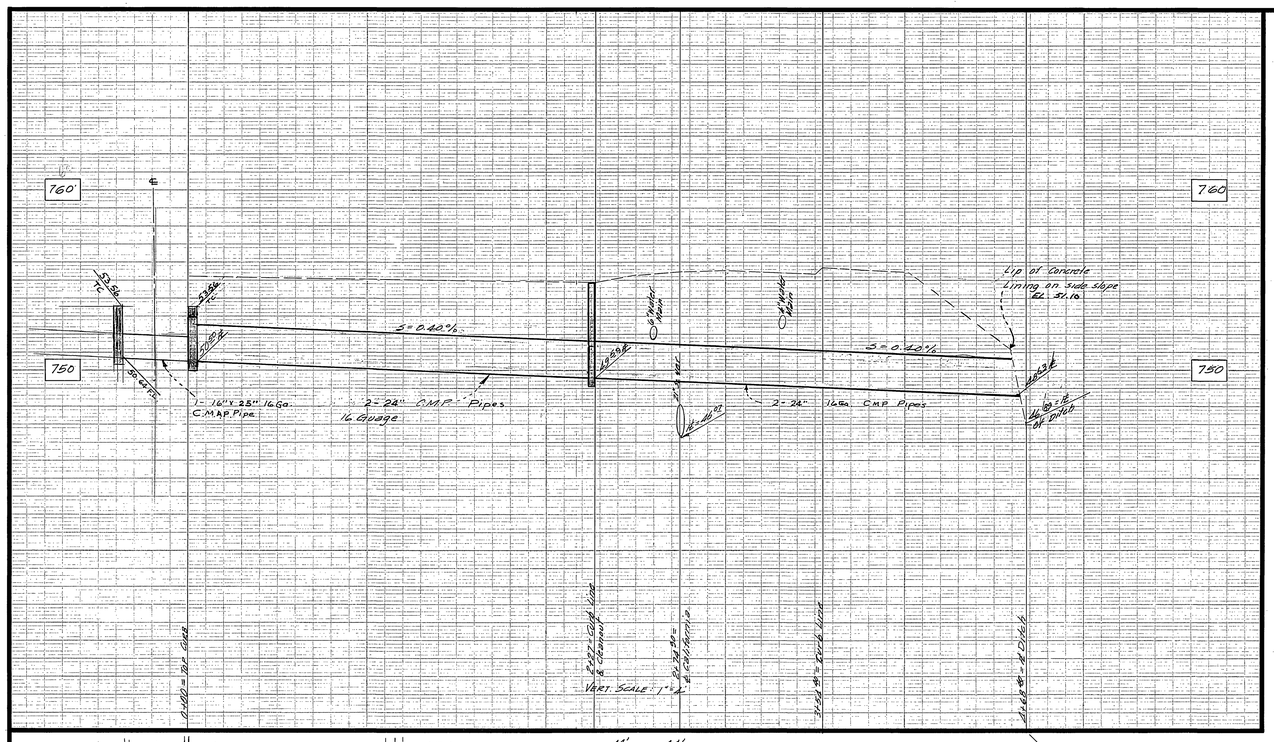
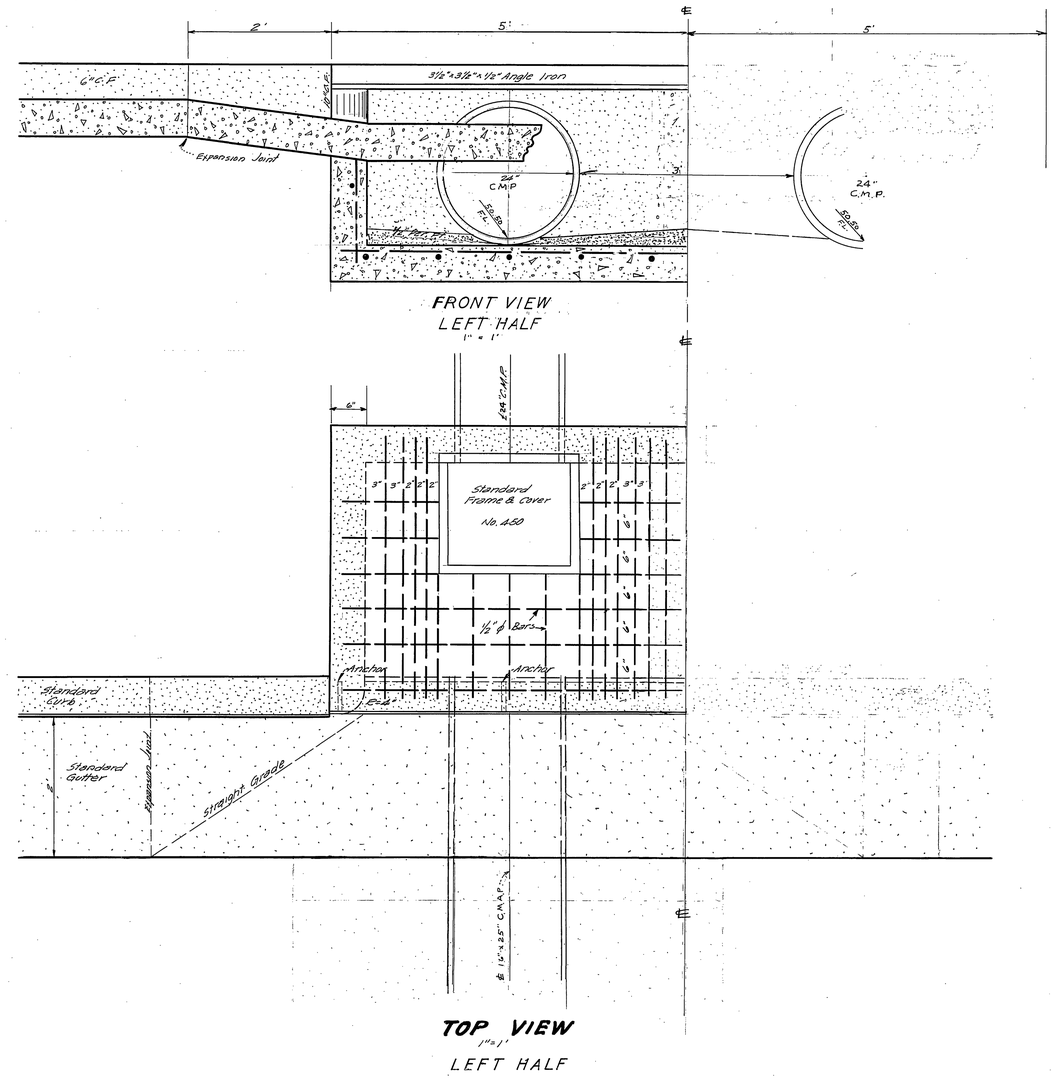
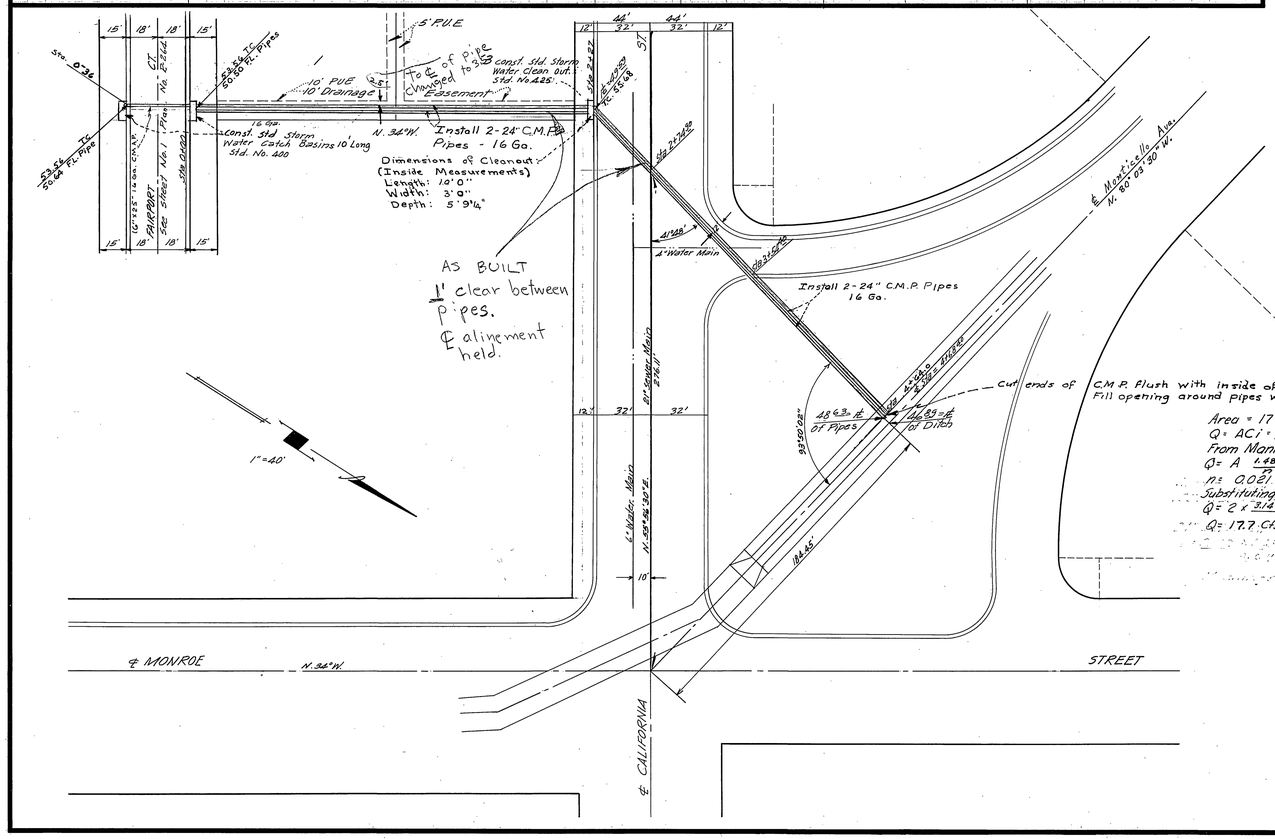






Area = 17 Acres

$Q = ACi = .55 \times 1.25 \times 17 = 11.7$ CFS

From Mannings Formula:

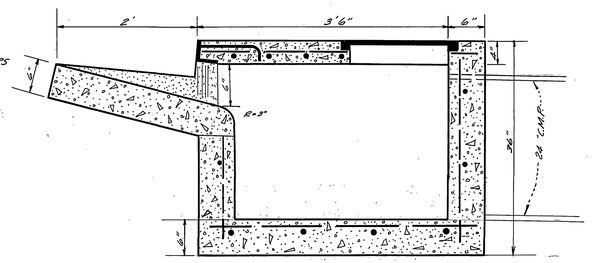
$Q = A \frac{1.486}{n} R^{2/3} S^{1/2}$

$n = 0.021$

Substituting and Using 2 - 24" CM Pipes

$Q = 2 \times \frac{3.142 \times 1.486 \times 2.30 \times .0632}{0.021}$

$Q = 17.7$ CFS



DETAILS OF INLET STA. 0+00 AND STA. 0-36 1" = 3'

W.R. MAXWELL - SURVEYING

L.S. 2788

Approved by W. R. Maxwell Date Feb. 18, 1959

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

DRAINAGE STRUCTURES
RIVERSIDE ESTATES NO. 1

Scale: Horz. 1" = 40', Vert. 1" = 4'

Approved by
Director of Public Works
Date 3/10/59

No. D-34

Sheet 1 of 1

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