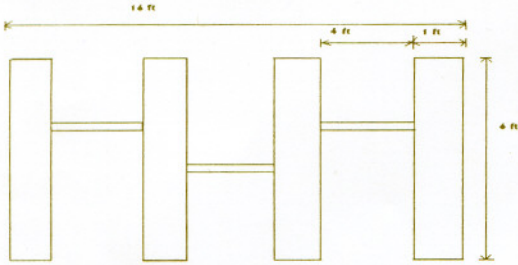
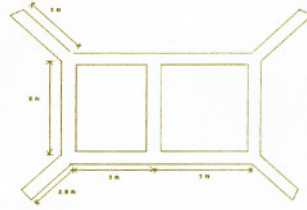


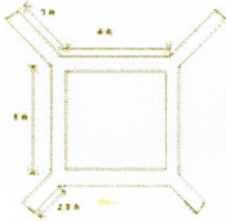
**PLAN VIEW OF THREE GATED DIVERSION STRUCTURE**



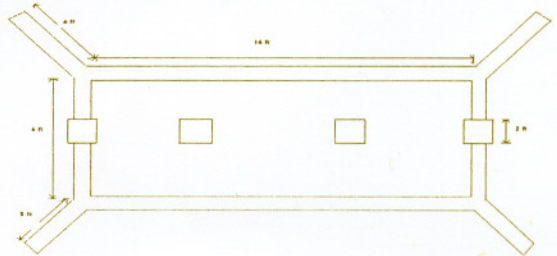
**FOUNDATION LAYOUT OF TWO WAY FIELD INLET**

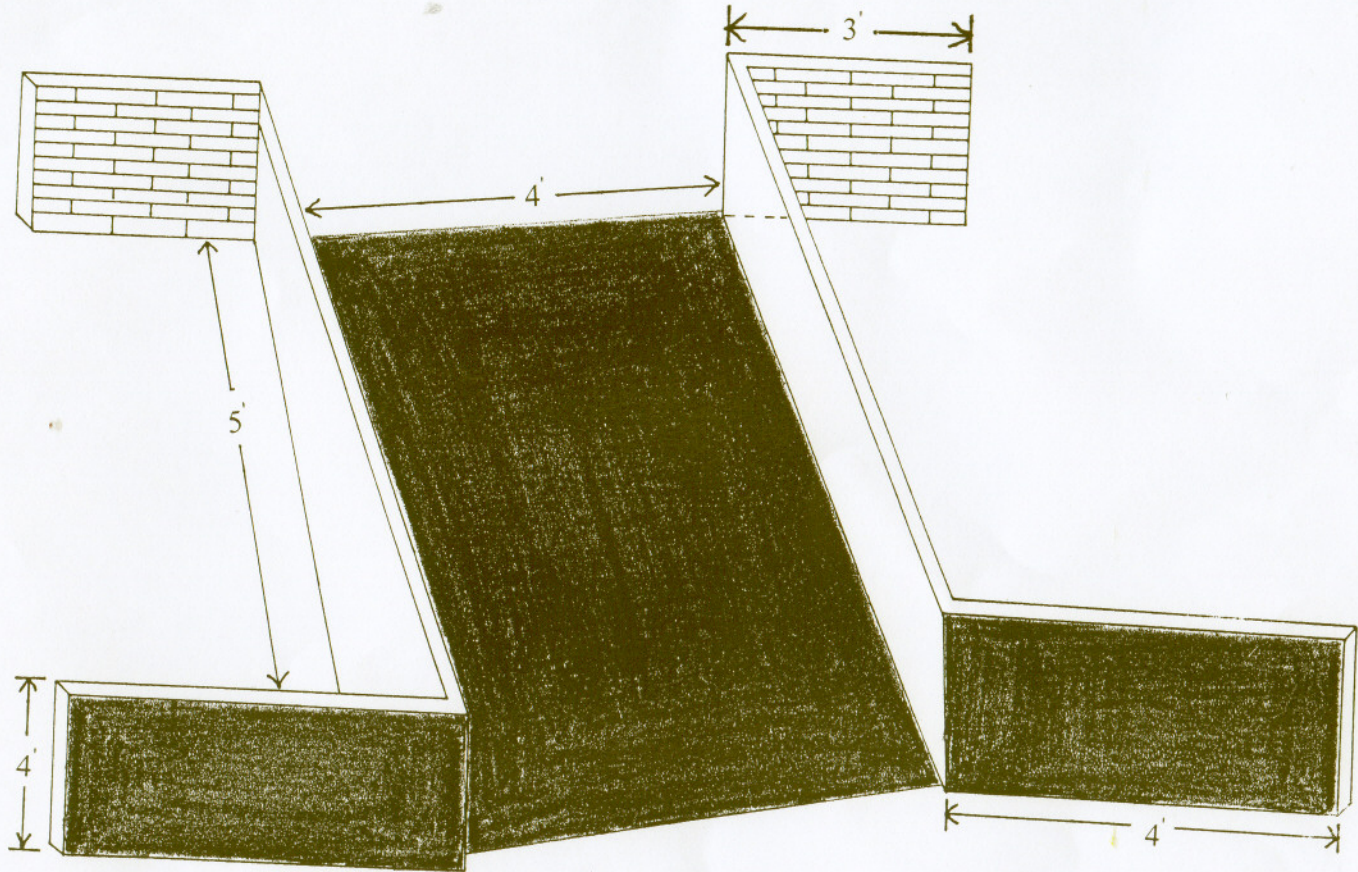


**FOUNDATION LAYOUT OF SINGLE FIELD INLET**



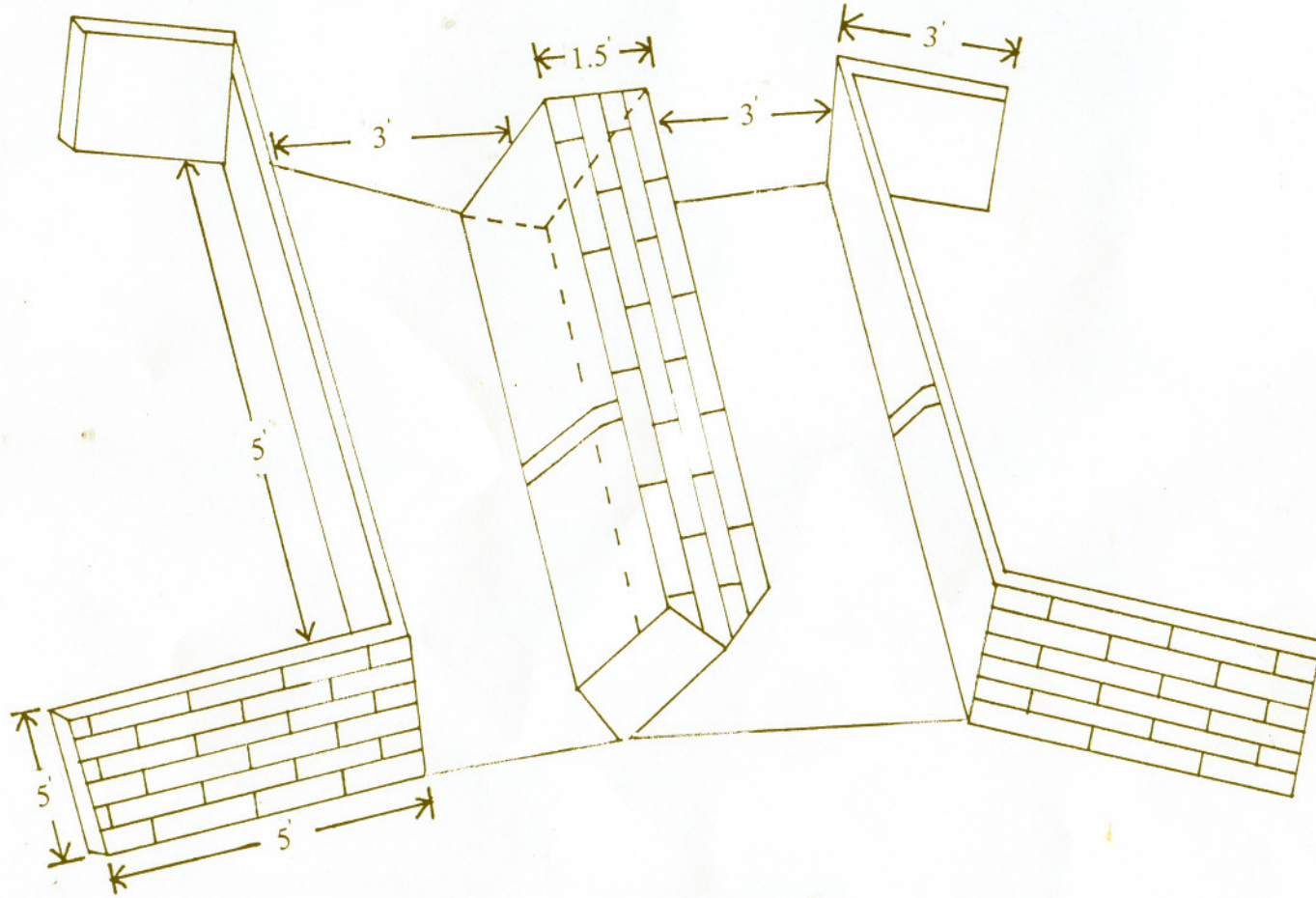
**FOUNDATION LAYOUT OF THREE GATED DIVERSION STRUCTURE**





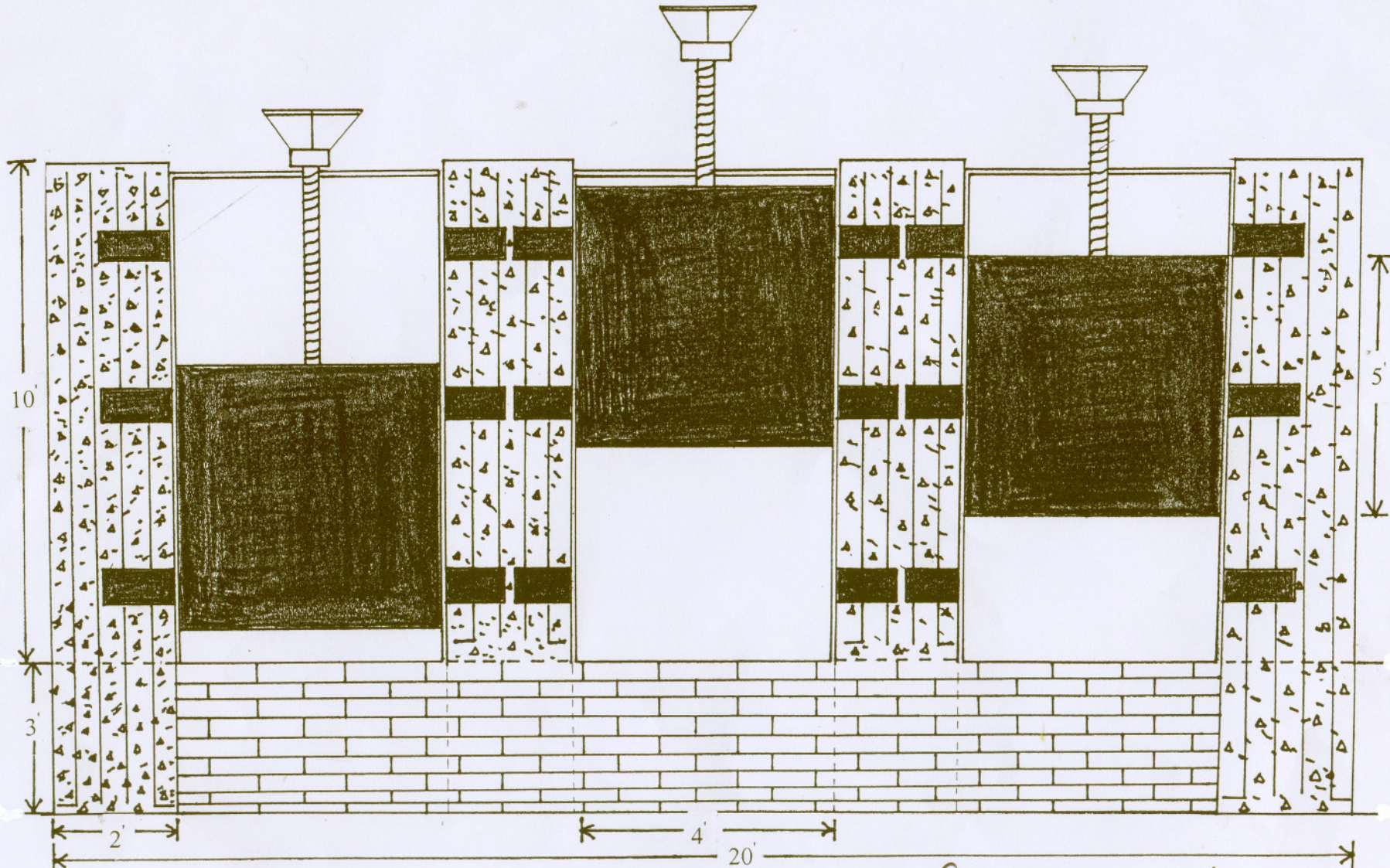
Isometric view of single way field inlet





Isometric View of two way field inlet

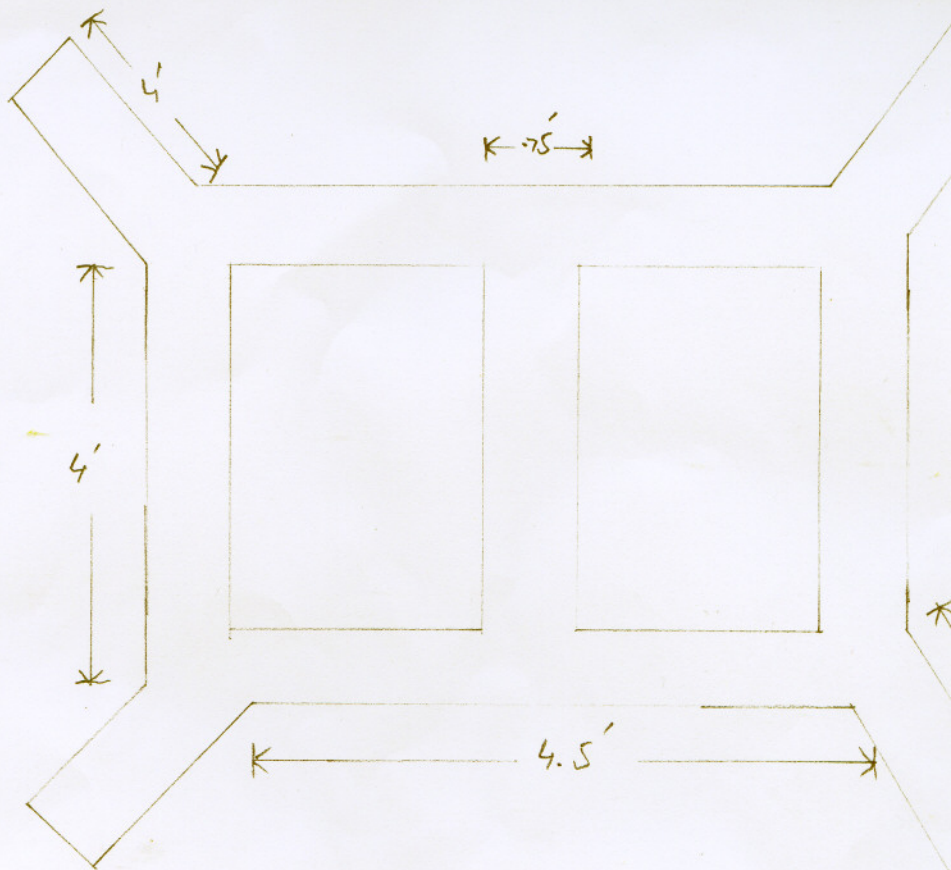
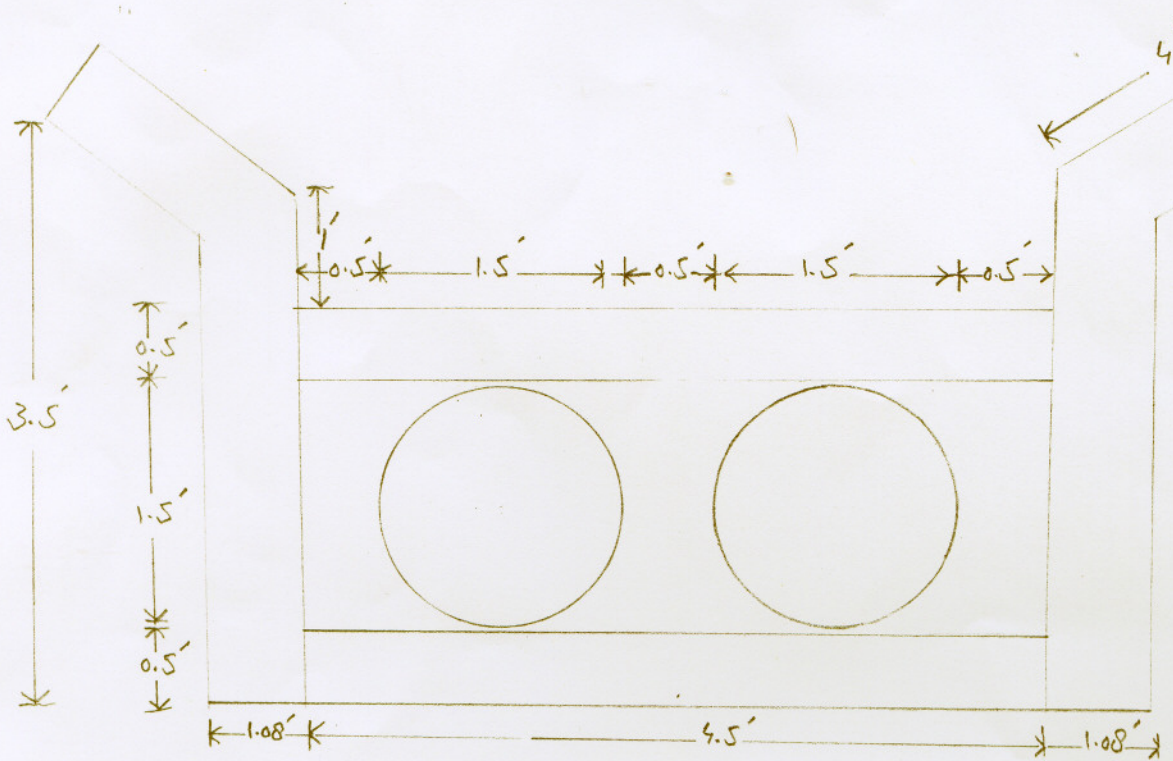




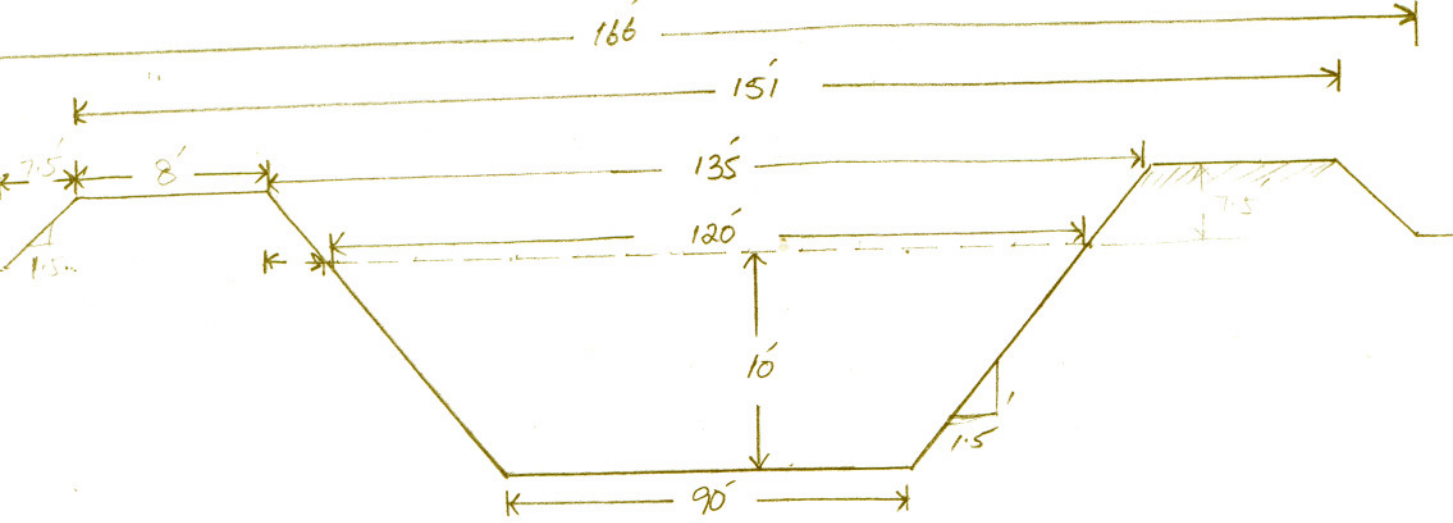
Isometric view of 3-gate spillway water distribution structure



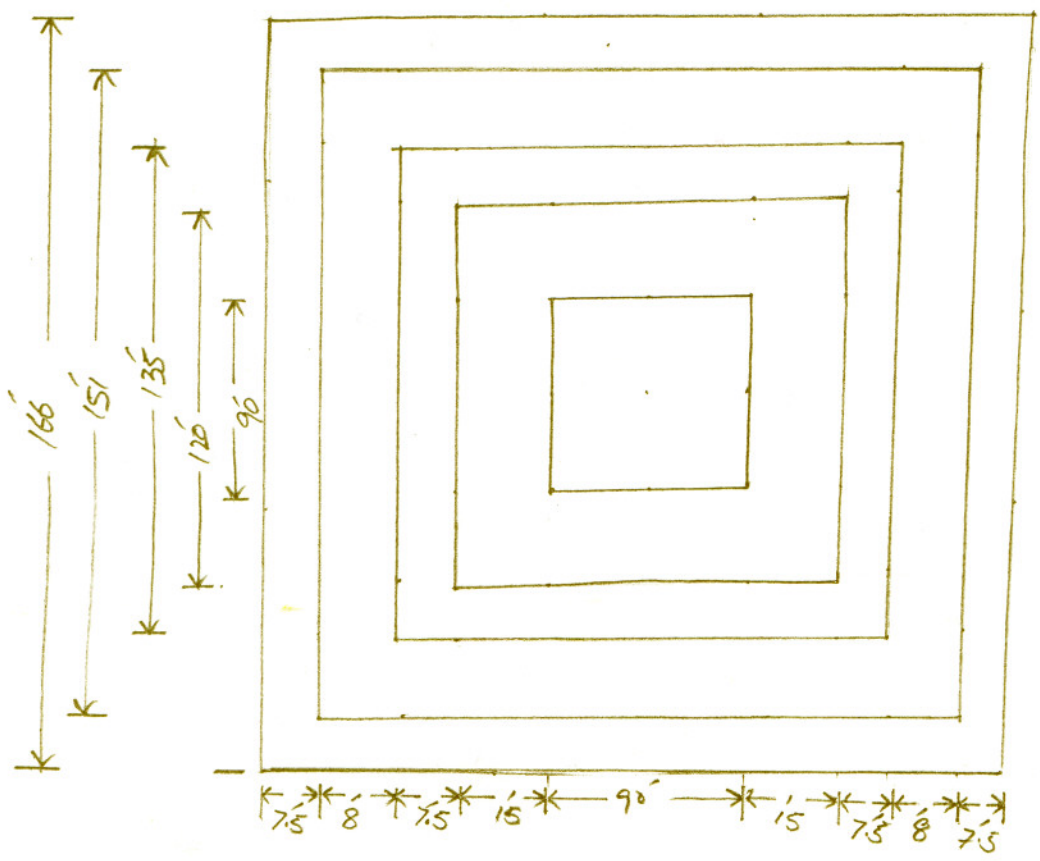
Front view of Two Pipe Field inlet



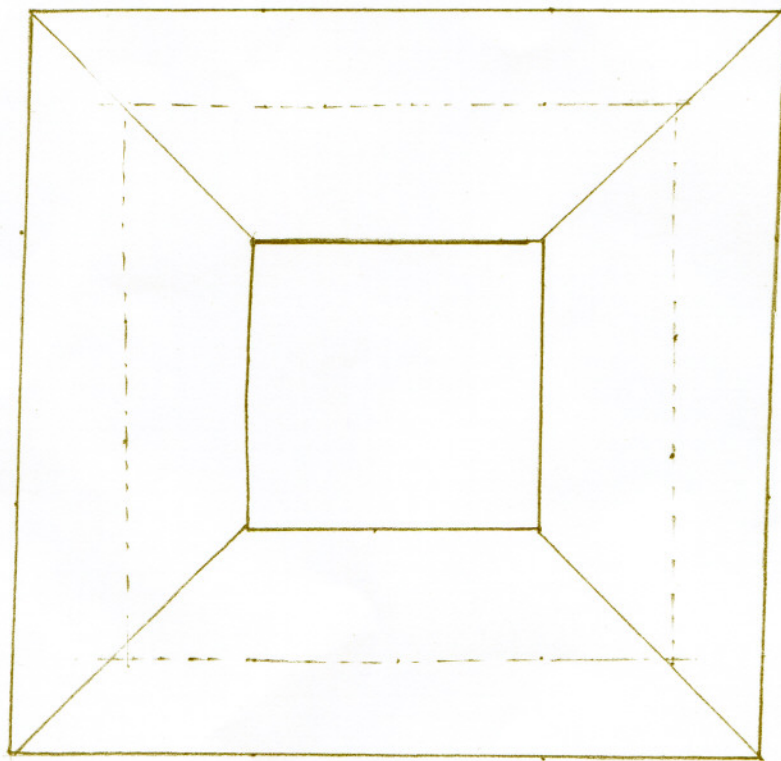
Foundation layout of two Pip Field inlet



Side view of a pond



Plan view of pond.



Area in which water  
should be stored.

$$l + 2d^2$$

$$90 \times 10 + 1.5 \times 10^2$$

$$1050 \text{ ft}^2$$

Volume of water =  $10500 \text{ ft}^3$   
 $= 10500000 \text{ lit}$

120'

water pond plastic lining

Total area of pond:

$$A = 90 \times 17.5 + 1.5 \times 17.5^2$$

$$A = 1575 + 439.4$$

$$A = 2035 \text{ Sq. ft}$$

$$V = 35612.5 \text{ cu sec}$$

$$\text{Plastic Lining} = 18100 + 2$$

$$= 10860$$