

COACHELLA VALLEY WATER DISTRICT FACTORS FOR PIPE LINE DESIGN

DUTY OF WATER

(Minimum delivery 3 c.f.s.)
Capacity of pipe line to serve-

ACRES	Q
0+ to 120	3 c.f.s.
120+ to 240	6 c.f.s.
240+ to 1000	$A/50+3$ c.f.s.
1000+ to 1150	23 c.f.s.
1150 and greater	$A/50$ c.f.s.

Use 6 c.f.s. for 0 to 120 if serving more than 3 deliveries.
Use $A/50+3$ c.f.s. for 120 to 240 if serving more than 6 deliveries.

Exceptions to above rules: Where $A/50+3$ c.f.s. for incoming pipe is greater than the sum of capacities of outlet pipes at a division point-use sum of outlet capacities for design of incoming pipe line.

LOCATION OF PIPE LINES

(Except for special cases.)

Pipe lines to be placed inside property line of area to be served where practical as follows:

- 45' From section line if section line road crosses White Water.
- 35' From other section lines and mid-section lines.
- 5' Elsewhere.

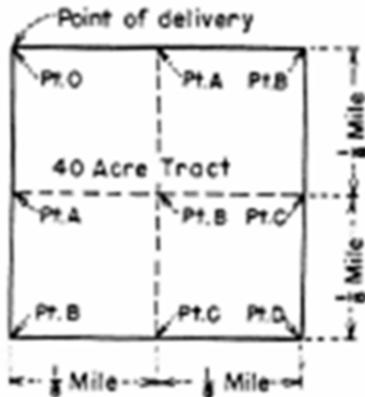
HEAD REQUIREMENTS AT POINT OF DELIVERY

(Available for use in farm distribution system)

The head to be provided at point of delivery shall be not less than the maximum required by the following equation, except for isolated knolls:

	I [⊙]	II [†]
W.S. EL (head) Pt.O + N.G.S. EL Pt.O +	2.00	1.25
W.S. EL (head) Pt.O + N.G.S. EL Pt.A +	3.25	2.00
W.S. EL (head) Pt.O + N.G.S. EL Pt.B +	4.50	2.75
W.S. EL (head) Pt.O + N.G.S. EL Pt.C +	5.25	3.50
W.S. EL (head) Pt.O + N.G.S. EL Pt.D +	6.00	4.25

⊙ Preferred to be used at all delivery points with exceptions set forth in II[†]
† To be used where I[⊙] would require excessive pipe sizes or pumping.



UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF RECLAMATION BOULDER CANYON PROJECT ALL-AMERICAN CANAL SYSTEM-CALIFORNIA	
COACHELLA VALLEY DISTRIBUTION SYSTEM FACTORS FOR PIPE LINE DESIGN	
DRAWN... P.L.	SUBMITTED.....
TRACED... B.C.M.	RECOMMENDED.....
CHECKED... <i>all</i>	APPROVED.....
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