

MAT W

2-13-08

MEMO TO FILE

97-7425 ~ MILLER (0.90 ACRES)

IRRIGATION ON LOT 15 EL RIO ESTATES

→ 0.03 fs ; 3 af

P.O.D.: NE SW T57N R4W 29

P.O.V.: NE SW T57N R4W 29

SEASON: 4/01 ~ 10/31

OVERLAP ANALYSIS

97-7377 ~ BYERS (GARVER)
 LOT 20 EL RIO SUB.
 Dom. RIGHT 0.04 fs 1.2 AF

} NO OVERLAP

97-07422 ~ COOK
 LOTS 12-14 BLK B EL RIO EST. SUB.
 IRR. (3AC) 0.03 fs 7.5 AF

} NO OVERLAP

Q: 5 SPRINKLERS $\bar{Q}_{SP} = 3 \text{ gpm}$ $\bar{Q}_{TOTAL} = 15 \text{ gpm}$

$$\left(\frac{15 \text{ GPM}}{\text{min}} \right) \left(\frac{1 \text{ FT}^3}{7.48 \text{ GPM}} \right) \left(\frac{1 \text{ min}}{60 \text{ S}} \right) = 0.033 \text{ fs} \approx \underline{\underline{0.03 \text{ fs}}}$$

 ∇ (IRR)

PERMIT = 1 AC.

B.U.F.R. = 1/2 AC.

LOT = 0.9 AC

$$\nabla_{IR} = 0.5(3) = 1.5 \text{ AFA}$$

$$\nabla_{DR} = \left(0.03 \frac{\text{FT}^3}{\text{S}} \right) (214 \text{ DAYS}) \left(\frac{1 \text{ AC}}{43560 \text{ FT}^2} \right) \left(\frac{86400 \text{ S}}{1 \text{ DAY}} \right) = 12.7 \text{ AFA}$$

ANNUAL ∇ = LESSER OF ∇_{IR} OR $\nabla_{DR} \therefore \underline{\underline{1.5 \text{ AFA}}}$



19

20

21

NWNW

NENW

NWNE

NENE

SWNW

SEnw

SWNE

SENE

30

29

28

NWSW

NWSE

NESE

NESW

SWSW

SESW

SWSE

SESE

31

32

33

COOK
97-7422

MILLER
97-7425

BYERS
97-7377