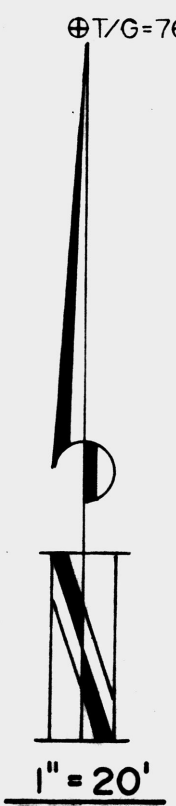


PARCEL "A", SURGICAL ASSOC., P.A.-PROFIT-SHARING PLAN & TRUST
ALBUQUERQUE, N.M.
ZONE MAP J-15, FLOOD MAP N° 29, SOIL TYPE "A"
BENCHMARK "2-J15", ELEV.= 5076.24
FILE N° L-15/ APPROVED _____



100 yr - 6 hr = 2.2 in $I = 2.2 \times 6.8 / 3.24 = 4.6 \text{ in/hr}$
Total area of Parcel A = 82,500 sf = 1.89 ac

Undeveloped	=	10,848	X	0.40	=	4,339
Roof	=	10,255	X	0.90	=	9,230
Landscape	=	9,396	X	0.25	=	2,249
Pavement	=	27,749	X	0.95	=	26,362
		<u>58,248</u>				<u>42,280</u>

$$Q = 0.726 \times 4.6 \times 1.34 = 4.48 \text{ cfs } \phi$$
$$V = 1.2 / 12 \times 58,248 = 5,825 \text{ cf}$$

Area = 24,252 sf = 0.56 ac

$$Q = 0.40 \times 4.6 \times 0.56 = 1.0 \text{ cfs}$$
$$V = 0.30 / 12 \times 24,252 = 606 \text{ cf}$$

Area = 58,248 sf = 1.34 ac

Landscape = 9,396 X 0.25 = 2,349

Pavement = 27,385 x 0.93 = 26,390

38, 248

$$C = 42,787 / 58,248 = 0.733$$
$$GM = 0.733 \times 4.0 \times 1.34 = 3.93 \text{ CIB}$$

ON - 00 Direct Run Oil - 1.2 IN

$$V = 1.27 \times 12 \times 38,248 = 5,823 \text{ c1}$$

Conclusions

1. The increase in peak run oil and the volume of run oil due to the proposed development is so slight that the impact

down stream will be nil.

LOUIS W.

James W.

✓

8/14

REVISED 8/1

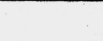
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 8/14/89
 REVISED 8/15/89 *HL*

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HYDROLOGY SECTION

	LOUIS GROSS & ASSOC., INC. Consulting Civil Engineers 925 6 th Street N.W., Suite 3 Albuquerque, N. Mex. 87102 (505) 243-6353	File No 472 Date Aug., 1989 Drawn CLL Sheet 1 of 1
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