

### SITE DESCRIPTION

LOT: #10  
BLK: #5  
ADD: EGYAL HEIGHTS

### DRAINAGE

#### UNDEVELOPED SITE

USING RATIONAL FORMULA  $Q = CIA$

WHERE A = ACRE AREA

$C = .35$

$I = 7.0$

$$(.35 \times 7.0 \times .2035) = .4986$$

$$Q = (.35 \times 7.0 \times \text{ACRE}) = \text{CFS (UNDEVELOPED)}$$

#### COMPOSITE FACTOR "C"

$$\text{BUILDINGS, BLACKTOP \& WALKS} = .95 \times \text{AC} = \underline{\hspace{2cm}}$$

$$\text{TOP SOIL \& PLANTING} = .35 \times \text{AC} = \underline{\hspace{2cm}}$$

$$\text{TOTAL} = \underline{\hspace{2cm}} = "C"$$

$$\text{TOTAL (ACRE)} = \underline{\hspace{2cm}}$$

$$(.95 \times .1091) = .1036$$

$$(.35 \times .0944) = .0330$$

$$\underline{\hspace{2cm}} = .1366$$

$$\underline{\hspace{2cm}} = .2035$$

$$"C" = .67$$

#### DEVELOPED SITE

$$Q = (C \times 7.0 \times \text{ACRE}) = \text{CFS (DEV)}$$

$$\text{MINUS CFS (UNDEVELOPED)}$$

$$\text{TOTAL CFS RETAINAGE}$$

$$(.67 \times 7.0 \times .2035) = .9544$$

$$\underline{\hspace{2cm}} = .4986$$

$$\underline{\hspace{2cm}} = .4558 \text{ RETAIN}$$

#### RETAINAGE AREA

USING 2.5" FOR 1 GHR - 100 YR STORM

TOTAL VOLUME OF RUNOFF = 2.5" x AREA FT<sup>2</sup> x RUNOFF COEFF. / 12 = FT<sup>3</sup> RETENTION

$$\frac{(2.5 \times .67 \times 8866)}{12} = \frac{14850.6}{12} = \frac{1237.55}{4112} = .30 \text{ FND DEPTH}$$

#### OPEN SPACE \& PARKING REQ.

TOTAL SITE AREA 8866

BALCONY AREA CREDIT 0

TOTAL USABLE SPACE 8866

#### OPEN SPACE REQ.

NO TYPE FT<sup>2</sup> FT<sup>2</sup>

1 BR 600 = 2400

2 BR =

3 BR =

OTHER =

TOTAL 2400

#### PARKING REQ.

PER PATH SPACES

0 =

0 1/2 = 6

0 =

0 =

0 =

TOTAL 6

#### COVERED AREA FT<sup>2</sup>

TOTAL LIVING GRND AREA 2272

TOTAL EXT. STOR. UTIL AREA 0

TOTAL BLACKTOP \& PARKING 1776

TOTAL OTHER 0

TOTAL COVERED AREA 4048

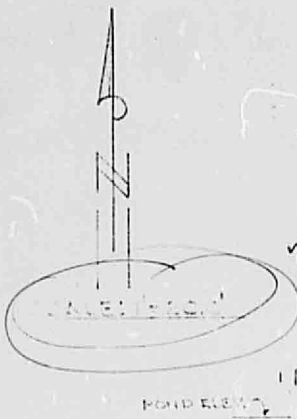
AVAILABLE UNCOVERED AREA = 6466

TOTAL COVERED AREA = 4048

TOTAL EXCESS AREA = 2418

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how? show details



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Jess Span  
298-7042

FOR PROLINE

TYR. BERM. DEIV. 1.

DR. J. W. BARKER, JUNIOR 7/31/74

