

DRAINAGE INFLUX

PIT 6 (HAS HIGHEST DRAINAGE AREA/SURFACE AREA RATIO)

DRAINAGE AREA 2.31 ACRES

SURFACE AREA 11.50 ACRES

\* 100 - YEAR 24 HOUR STORM = 0.5 FT.

$$\frac{2.31 \text{ ACRES} \times 0.5 \text{ FT}}{11.50 \text{ ACRES}} = 0.1 \text{ FT}; \text{ TOTAL ON PIT} = 0.6 \text{ FT}$$

\* 12" STORM

$$\frac{2.31 \text{ ACRES} \times 1.0 \text{ FT}}{11.5 \text{ ACRES}} = 0.2 \text{ FT}; \text{ TOTAL ON PIT} = 1.2 \text{ FT}$$

