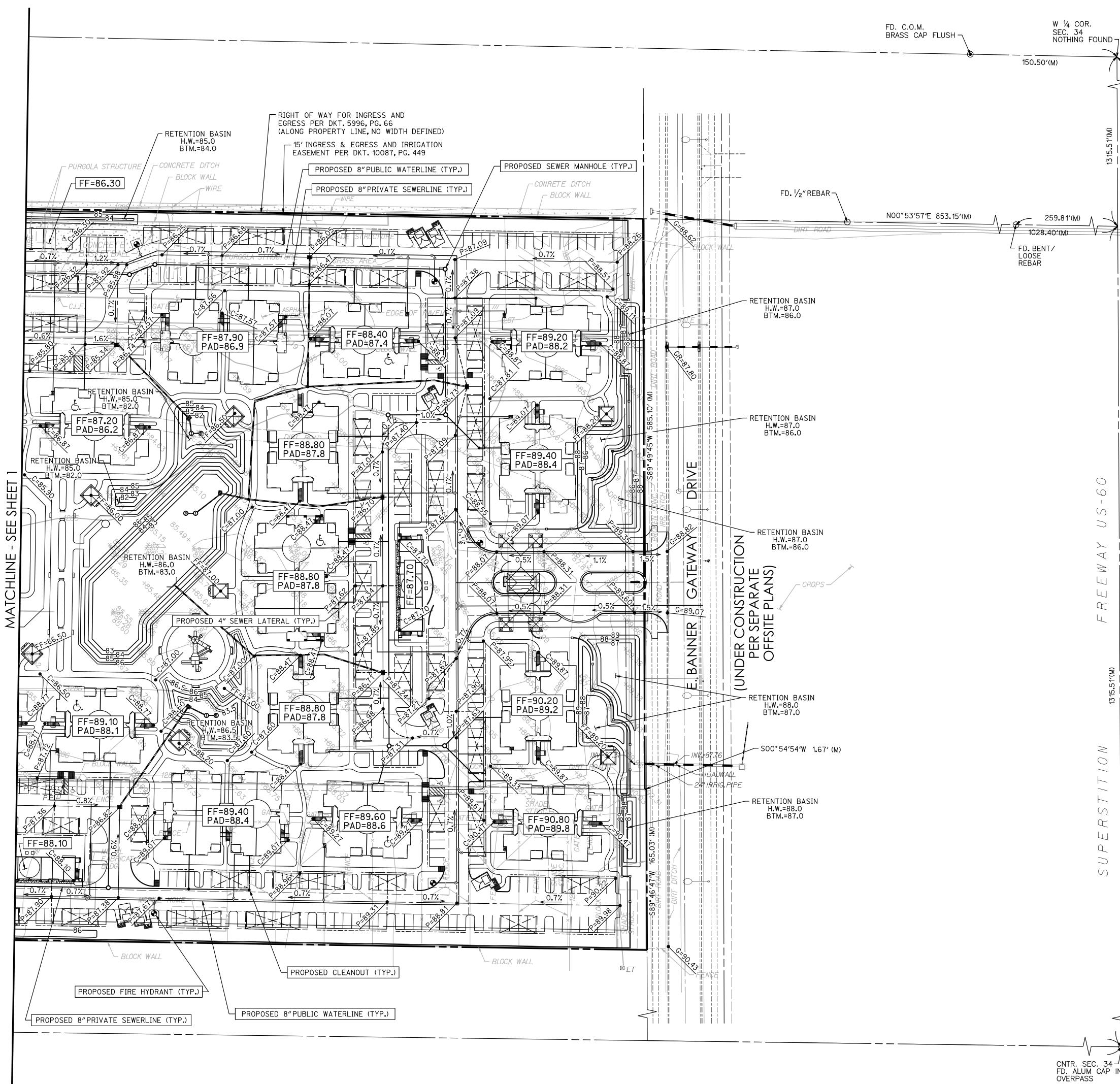


RETENTION CALCULATIONS
100-YR 2-HOUR STORM EVENT
REQUIRED VOLUME
V <sub>R</sub> = REQUIRED RETENTION VOLUME, CF
D = DEPTH OF WATER TO RETAIN, 2.16 INCHES
A = TOTAL SITE AREA, 990,465 SF OR 22.74 ACRES (INCLUDES BASELINE HALF STREET)
C = RUNOFF COEFFICIENT, 0.78
$V_{R} = \left(\frac{D}{12}\right) \times A \times C$
$V_{R} = \left(\frac{2.16}{12}\right) \times 990,465 \times 0.75$
V <sub>R</sub> = 133,713 CF
PROVIDED VOLUME
SURFACE VOLUME = 135,372 CF
UNDERGROUND VOLUME (10' DIA.) = 16,493 CF
TOTAL VOLUME PROVIDED = 148,318 CF

	INDICAT
1095	INDICAT
90	INDICAT
• TC:90.90 G:90.42	INDICAT INDICAT
· 0 <sup>0.1</sup>	INDICAT
• P:91.34	INDICAT
.C:91.28	INDICAT
	INDICAT
	INDICAT
LPX	INDICAT
<i>T</i>	INDICAT
ET	INDICAT
——— E ———	INDICAT
<i>IC</i> V∘	INDICAT
EB 🛛	INDICAT
<i>WM</i> 🗆	INDICAT

INDICATES	EXISTING	CONTOUR ELEVA
INDICATES	PROPOSED	CONTOUR ELEV
INDICATES		
INDICATES	EXISTING	GUTTER ELEVAT
INDICATES	EXISTING	GROUND ELEVAT
INDICATES	EXISTING	PAVEMENT ELEV
INDICATES	EXISTING	CONCRETE ELEV
INDICATES	EXISTING	WATER LINE,VAL
INDICATES	EXISTING	SEWER LINE &
INDICATES	EXISTING	LIGHT POLE
INDICATES	EXISTING	BURIED TELEPHO
INDICATES	EXISTING	ELECTRIC TRANS
INDICATES	EXISTING	BURIED ELECTRI
INDICATES	EXISTING	IRRIGATION CON
INDICATES	EXISTING	ELECTRIC BOX
INDICATES	EXISTING	WATER METER



		BASELINE RASPUTINE BASELINE ASSEMBLAGE   BASELINE ROAD, MESA BASELINE ASSEMBLAGE   BASELINE ROAD, MESA, ARIZONA 85206 BASELINE ROAD, MESA, ARIZONA 85206   BRINNAR GRADING & DRAINAGE PLAN BASELINE ROAD, MESA
NB3-43-49-E 2631.02/W	CLE: 1''= 50'	<text></text>