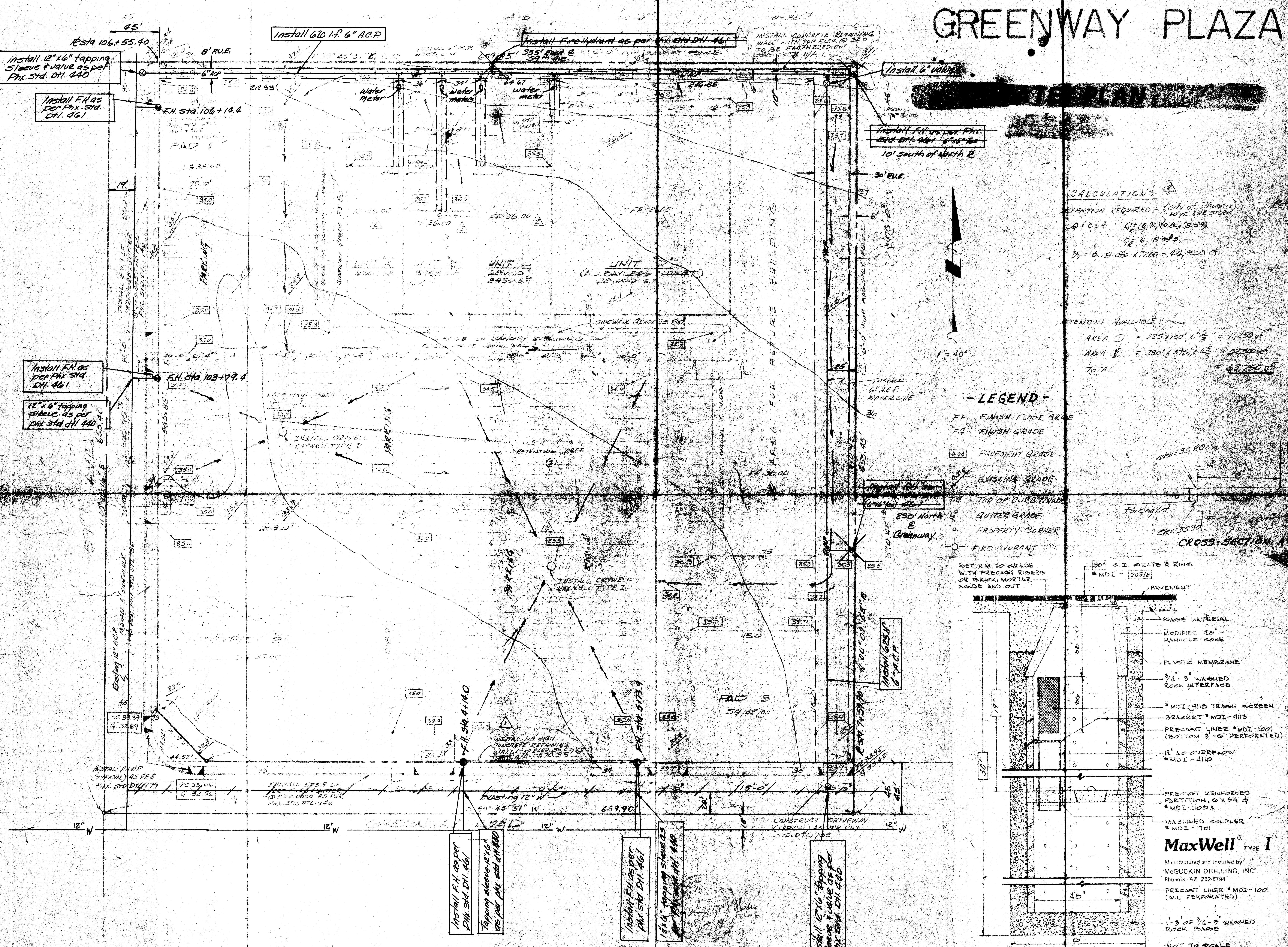
GREENWAY PLAZA

[redacted]



CALCULATIONS

RETENTION REQUIRED – (City of Phoenix) 10 YR 2 HR STORM

Q = CIA Q_R = (0.90)(0.80)(8.59)

Q_R = 6.18 cfs

V_T = 6.18 cfs × 7200 = 44,500 cf

RETENTION AVAILABLE –

AREA ① = 225' × 100' × 1.5/3 = 11,250 cf

AREA ② = 280' × 375' × 1.5/3 = 52,500 cf

TOTAL = 63,750 cf

- LEGEND -

FF FINISH FLOOR GRADE

FG FINISH GRADE

0.00 PAVEMENT GRADE

0.00 EXISTING GRADE

TC TOP OF CURB GRADE

G GUTTER GRADE

○ PROPERTY CORNER

FIRE HYDRANT

ENGINEERING & SURVEYING OF ARIZONA

404 E. 1ST AVE. MESA, ARIZONA   JOB NO. 79-0606

△2 1/10/80 REV. ...

△1 ...