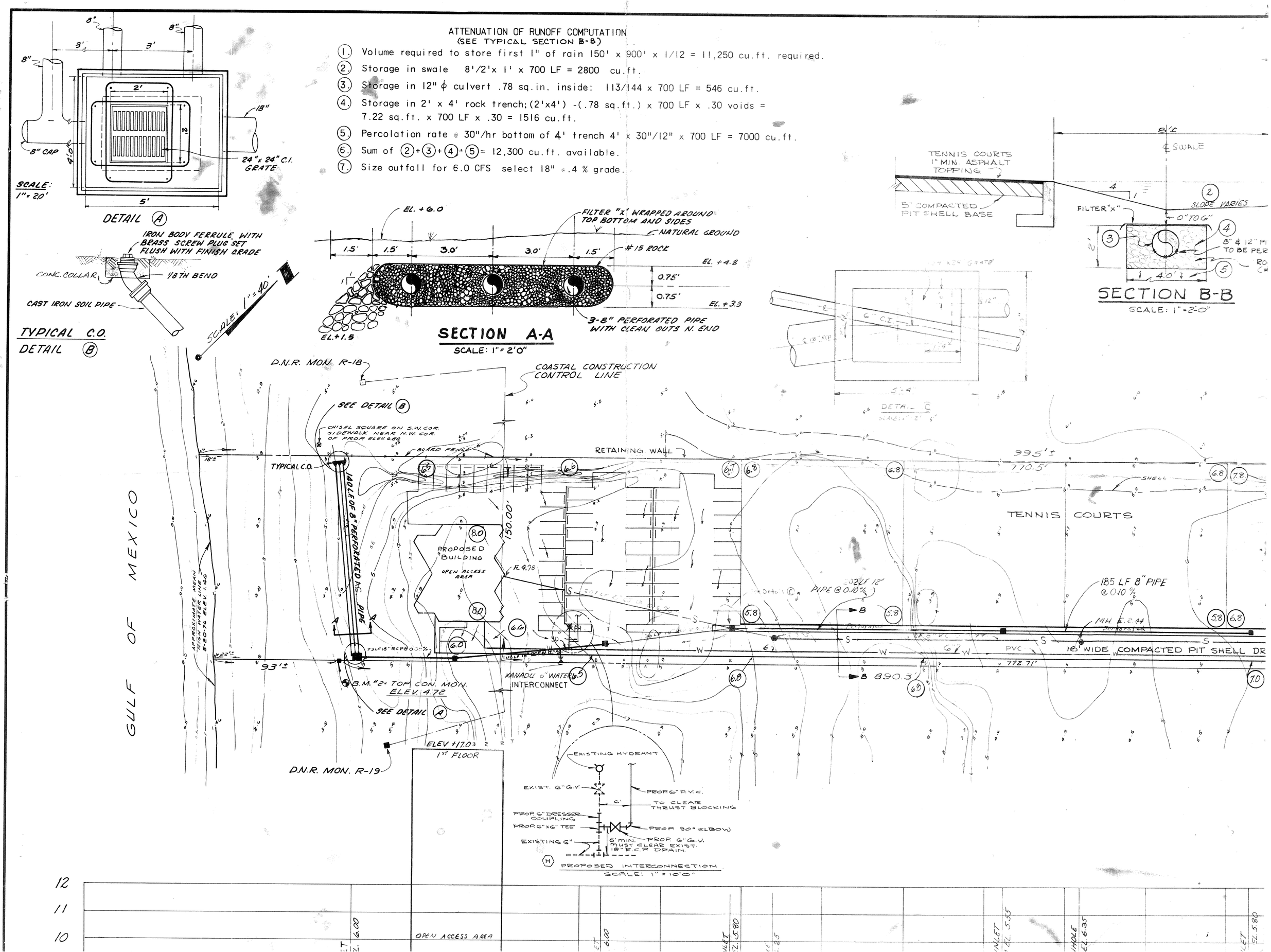

ATTENUATION OF RUNOFF COMPUTATION
(SEE TYPICAL SECTION B-B)
1. Volume required to store first 1" of rain 150' x 900' x 1/12 = 11,250 cu.ft. required.
2. Storage in swale 8'/2'x 1' x 700 LF = 2800 cu.ft.
3. Storage in 12" ϕ culvert .78 sq.in. inside: 113/144 x 700 LF = 546 cu.ft.
4. Storage in 2' x 4' rock trench; (2'x4') -(.78 sq.ft.) x 700 LF x .30 voids = 7.22 sq.ft. x 700 LF x .30 = 1516 cu.ft.
5. Percolation rate @ 30"/hr bottom of 4' trench 4' x 30"/12" x 700 LF = 7000 cu.ft.
6. Sum of 2+3+4+5= 12,300 cu.ft. available.
7. Size outfall for 6.0 CFS select 18" @ .4 % grade.
DETAIL A
SCALE: 1"=2.0'
8" CAP
24"x 24" C.I. GRATE
IRON BODY FERRULE WITH BRASS SCREW PLUG SET FLUSH WITH FINISH GRADE
CONC. COLLAR
1/8TH BEND
CAST IRON SOIL PIPE
TYPICAL C.O.
DETAIL B
SCALE: 1"=40'
EL. +6.0
FILTER "X" WRAPPED AROUND TOP BOTTOM AND SIDES
NATURAL GROUND
#15 ROCK
EL. +4.8
EL. +3.3
3-8" PERFORATED PIPE WITH CLEAN OUTS N. END
EL. +1.5
SECTION A-A
SCALE: 1"=2'0"
TENNIS COURTS 1" MIN. ASPHALT TOPPING
5" COMPACTED PIT SHELL BASE
SLOPE VARIES
FILTER "X"
0" TO 6"
8" & 12" PI TO BE PER
SECTION B-B
SCALE: 1"=2'-0"
DETAIL C
D.N.R. MON. R-18
COASTAL CONSTRUCTION CONTROL LINE
SEE DETAIL B
CHISEL SQUARE ON S.W. COR. SIDEWALK NEAR N.W. COR. OF PROP. ELEV. 6.80
BOARD FENCE
TYPICAL C.O.
140 L.F. OF 8" PERFORATED A.C. PIPE
RETAINING WALL
995'±
770.5'
TENNIS COURTS
PROPOSED BUILDING
OPEN ACCESS AREA
150.00'
F.E. 4.78
202 LF 12" PIPE @ 0.10%
185 LF 8" PIPE @ 0.10%
MH F.E. 2.44
18' WIDE COMPACTED PIT SHELL DR
93'±
B.M. #2 TOP CON. MON. ELEV. 4.72
XANADU 6" WATER INTERCONNECT
SEE DETAIL A
ELEV +17.03
1ST FLOOR
D.N.R. MON. R-19
GULF OF MEXICO
APPROXIMATE MEAN HIGH WATER LINE 5-20-76 ELEV. 1.46
EXISTING HYDRANT
EXIST. 6" G.V.
PROP. 6" P.V.C.
TO CLEAR THRUST BLOCKING
PROP. 6" DRESSER COUPLING
PROP. 6"x6" TEE
PROP. 90° ELBOW
EXISTING 6"
PROP. 6" G.V.
5' MIN. MUST CLEAR EXIST. 18" R.C.P. DRAIN
PROPOSED INTERCONNECTION
SCALE: 1"=10'0"
12
11
10
OPEN ACCESS AREA