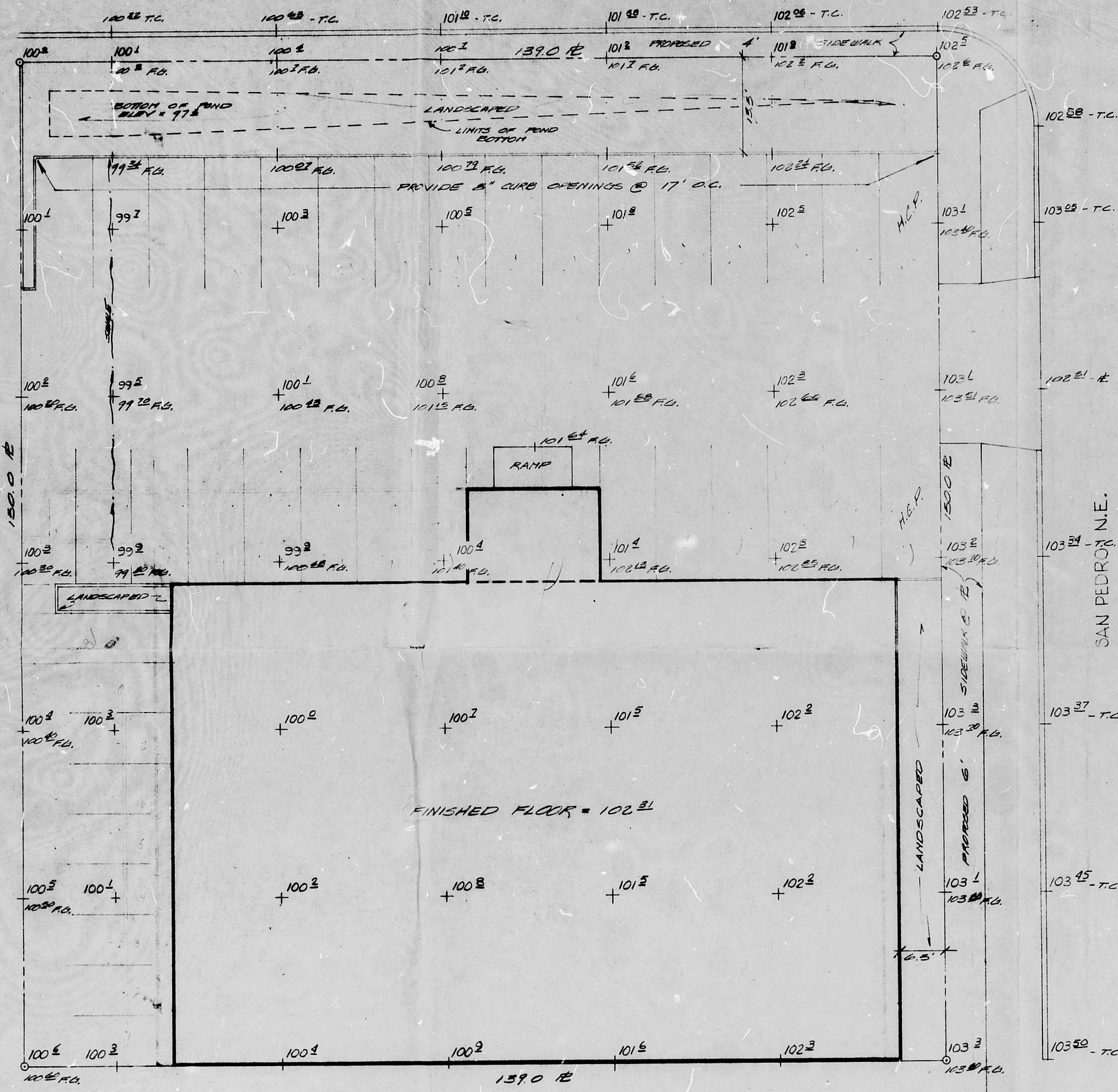


J18/D18

ENHARTMENT  
ENGINEERING  
201 F. BLANK BLDG  
ALBUQUERQUE, N.M.

SUMMER N.E.



**DRAINAGE CALCULATIONS**

LOT 10  
BLOCK 2  
MILE HI ADDITION UNIT A  
1609 SAN PEDRO N.E.

**UNDEVELOPED:**

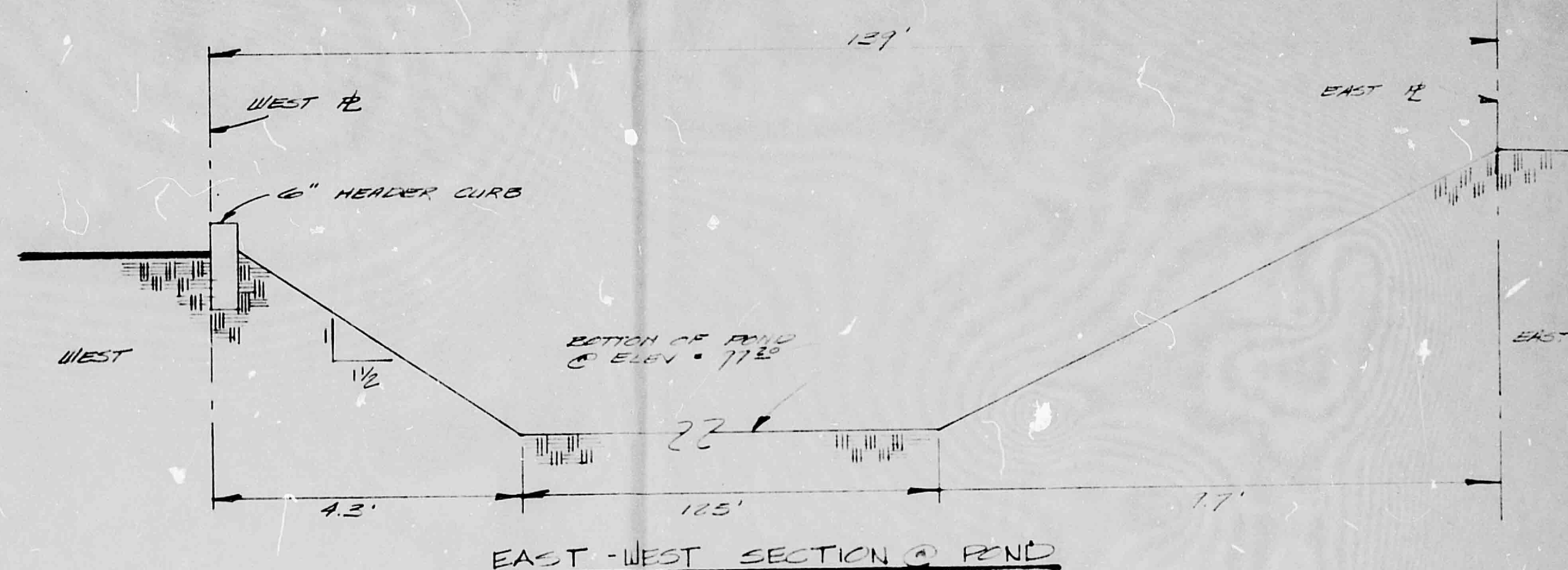
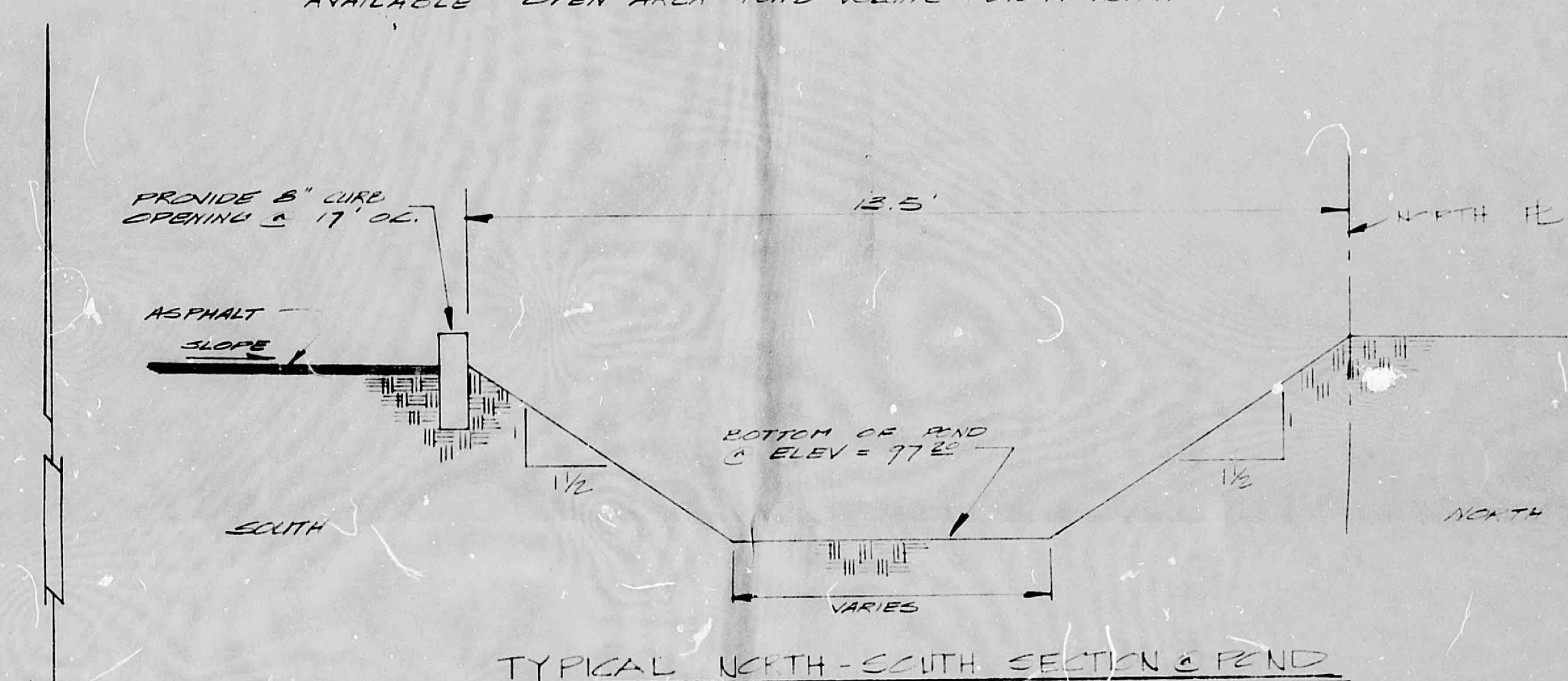
AREA UNDER CONSIDERATION 0.477 AC.  
NATURAL RUNOFF COEFFICIENT 0.40  
EXISTING SLOPE 0.1%  
TIME OF CONCENTRATION 2.10 MIN.  
INTENSITY 0.4 IN/HR.  
25 IN.  
100 YEAR 2-HOUR PRECIPITATION 1.055 CFS  
VOLUME OF NATURAL RUNOFF 0.040 AC-FT

**DEVELOPED**

|                 | A (AC) | C     | A.C.  |
|-----------------|--------|-------|-------|
| FLAT ROOF       | 0.188  | 0.950 | 0.180 |
| PAVED AREA      | 0.234  | 0.90  | 0.210 |
| LANDSCAPED AREA | 0.055  | 0.40  | 0.022 |

RUNOFF @ ASSUMED MAX INTENSITY =  $5.4 \times 0.277 = 1.49$  CFS  
VOLUME OF DEVELOPED RUNOFF =  $25 \times 1.49 / 12 = 0.032$  AC-FT

REQUIRED POND STORAGE VOLUME = 0.082 AC-FT  
AVAILABLE OPEN AREA POND VOLUME = 0.044 AC-FT



134  
13  
417  
132  
190

2148859

J18/D18 (1)

FOR: CLAUDE SANCHEZ