

EXHIBIT #1
 PROPOSED TEMPORARY
 TPF-E SEDIMENTATION POND DESIGN

KAYENTA MINE
 SCALE AS INDICATED
 DRAWN BY: PWCC
 PHOTO DATE: 4/28/95
 CHECKED BY: PWCC
 FILE NAME: c:\pe\dwg\ponds\designs\

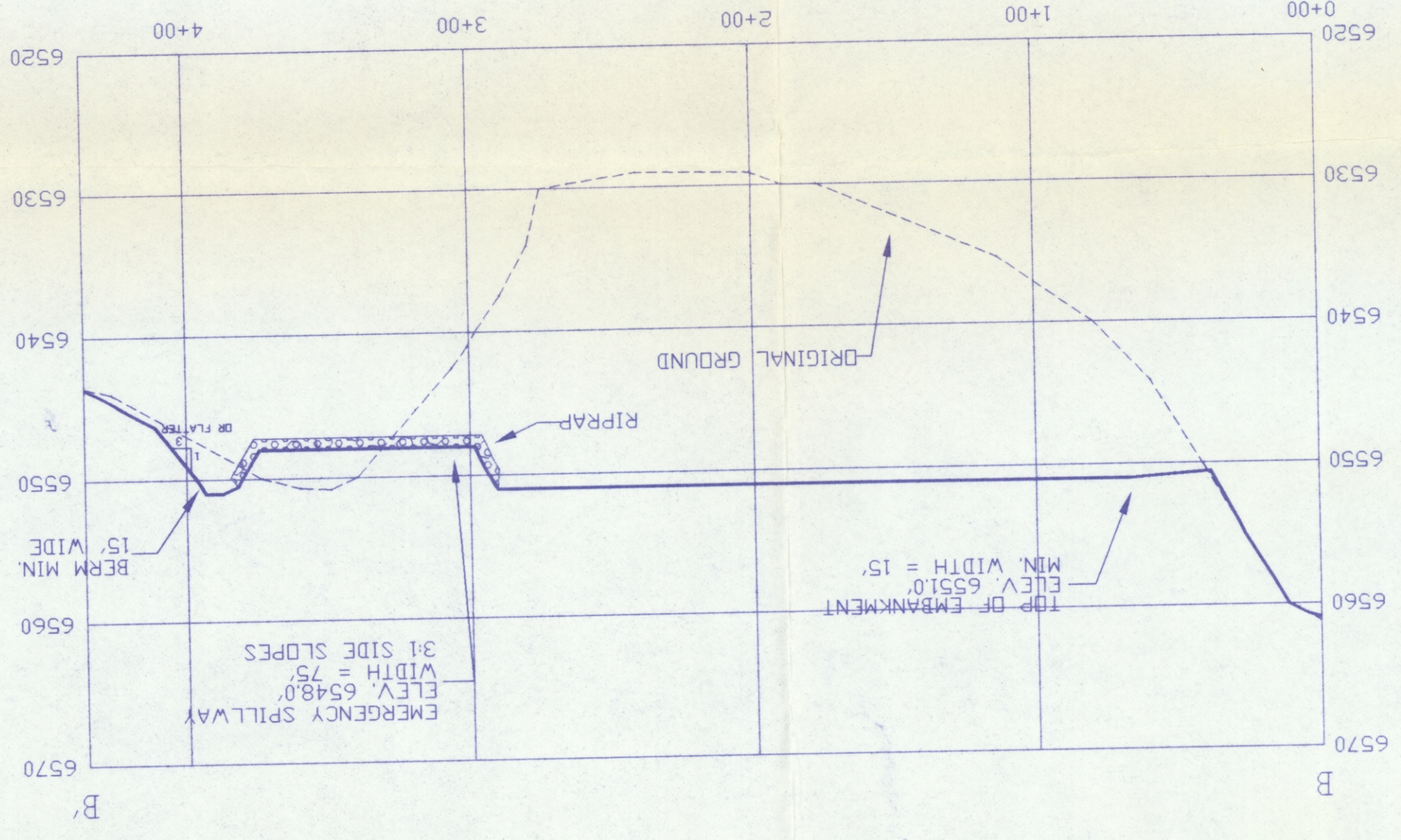
NOTES:
 (1) General location, see Drawing No. 85400, Sheet K-7 and Drawing No. 85405.
 (2) See Chapter 6, Block Mesa PAP for Construction Specifications.
 (3) See Vol. 2, Chapter 6, Attachment 6, Sections 1-3 for description of Geotechnical Evaluation.
 (4) Salvage topsoil in accordance with approved topsoil salvage plan.
 (5) Reclamation of the approved area above the high waterline shall be in accordance with the approved reclamation plan.
 (6) Ponding area side slopes, typical 3:1 slope or flatter and blend into natural topography.

ARIZONA P.E. 18782
 Date: DEC 21 1995
 Professional Engineer
 SCHMIDT, ROBERT
 ENGINEERS

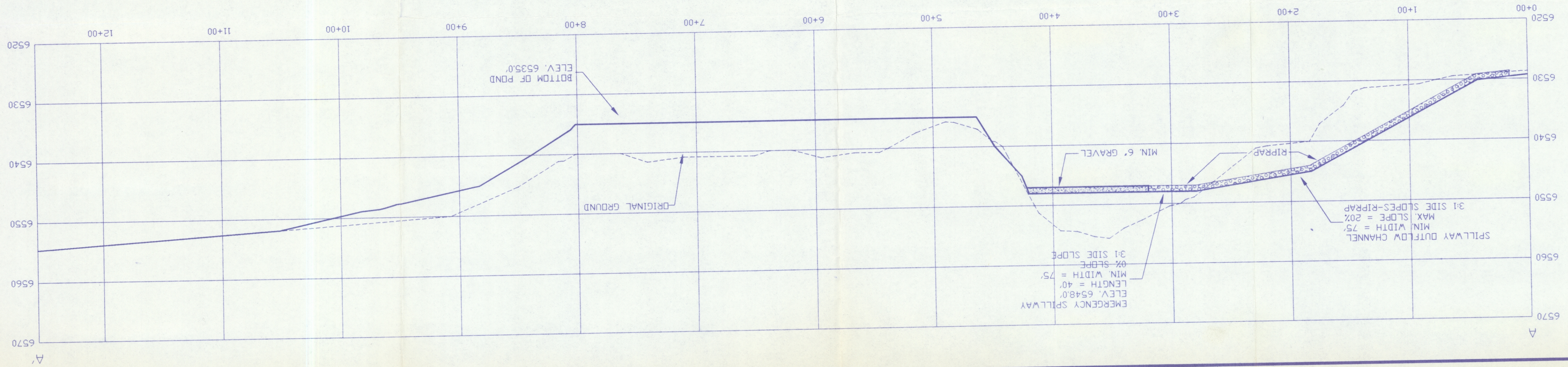
| ELEV. | STAGE | AREA | CAP. | TOT. CAP. | DESCRIPTION |
|-----------|---------|-----------|-----------|-----------|--------------------|
| (FT.-MSL) | (ACRES) | (AC.-FT.) | (AC.-FT.) | (AC.-FT.) | BOTTOM OF POND |
| 6551 | 16.00 | 3.64 | 3.57 | 29.44 | TOP OF EMBANKMENT |
| 6550 | 15.00 | 3.51 | 3.31 | 25.87 | |
| 6549 | 14.00 | 3.11 | 2.93 | 22.56 | |
| 6548 | 13.00 | 2.74 | 2.57 | 19.63 | EMERGENCY SPILLWAY |
| 6547 | 12.00 | 2.40 | 2.23 | 17.06 | |
| 6546 | 11.00 | 2.07 | 1.92 | 14.83 | |
| 6545 | 10.00 | 1.77 | 1.72 | 12.91 | |
| 6544 | 9.00 | 1.66 | 1.61 | 11.19 | |
| 6543 | 8.00 | 1.56 | 1.51 | 9.58 | |
| 6542 | 7.00 | 1.46 | 1.41 | 8.07 | |
| 6541 | 6.00 | 1.36 | 1.31 | 6.66 | |
| 6540 | 5.00 | 1.27 | 1.23 | 5.35 | |
| 6539 | 4.00 | 1.19 | 1.15 | 4.12 | |
| 6538 | 3.00 | 1.11 | 1.06 | 2.97 | |
| 6537 | 2.00 | 1.03 | 0.99 | 1.91 | |
| 6536 | 1.00 | 0.95 | 0.92 | 0.92 | |
| 6535 | 0.00 | 0.88 | 0.00 | 0.00 | BOTTOM OF POND |

TPF-E POND STAGE CAPACITY

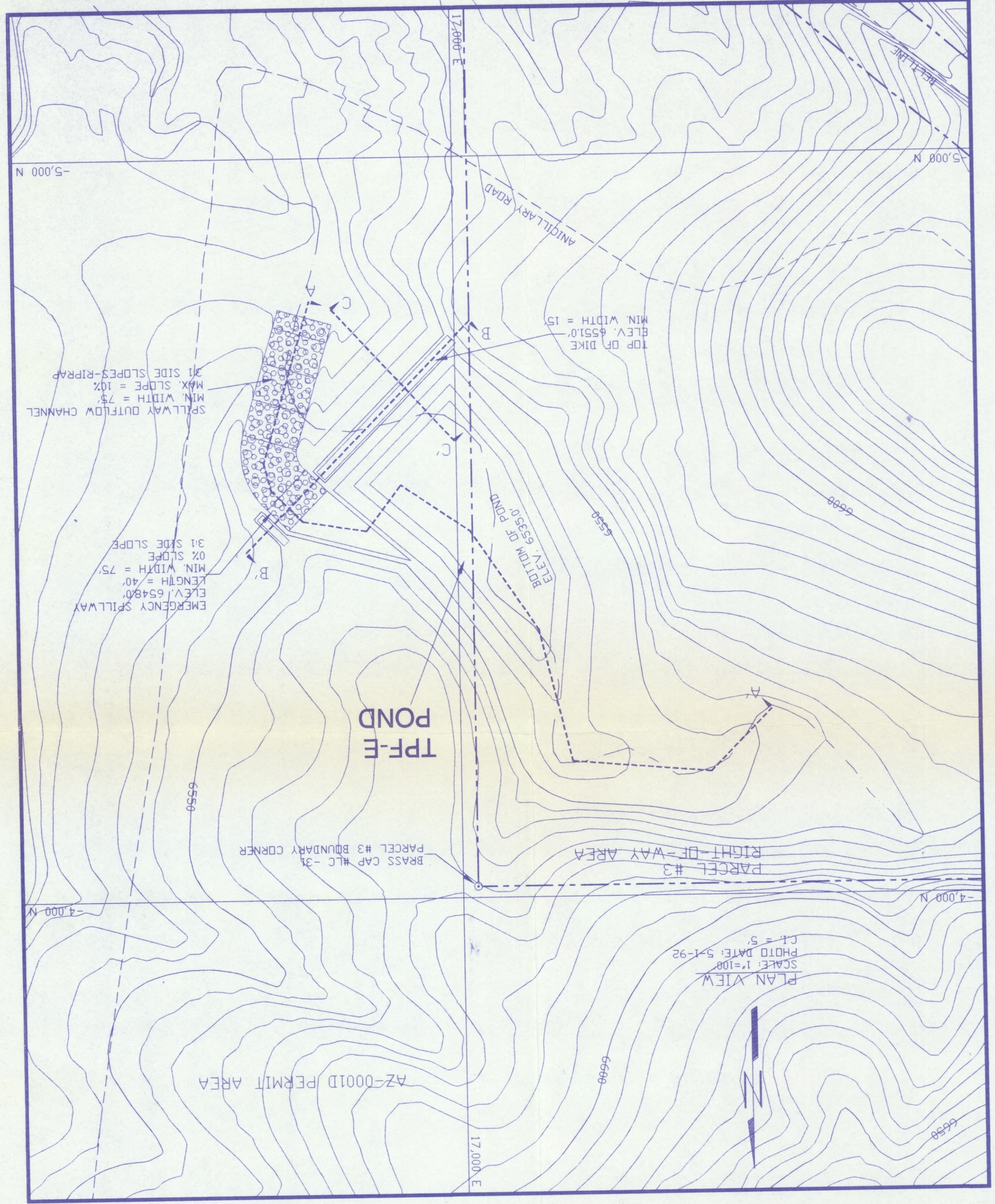
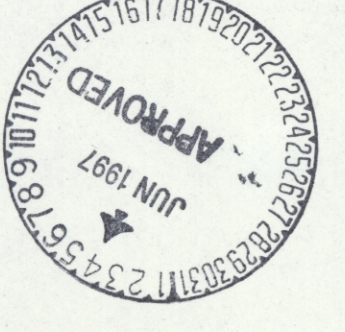
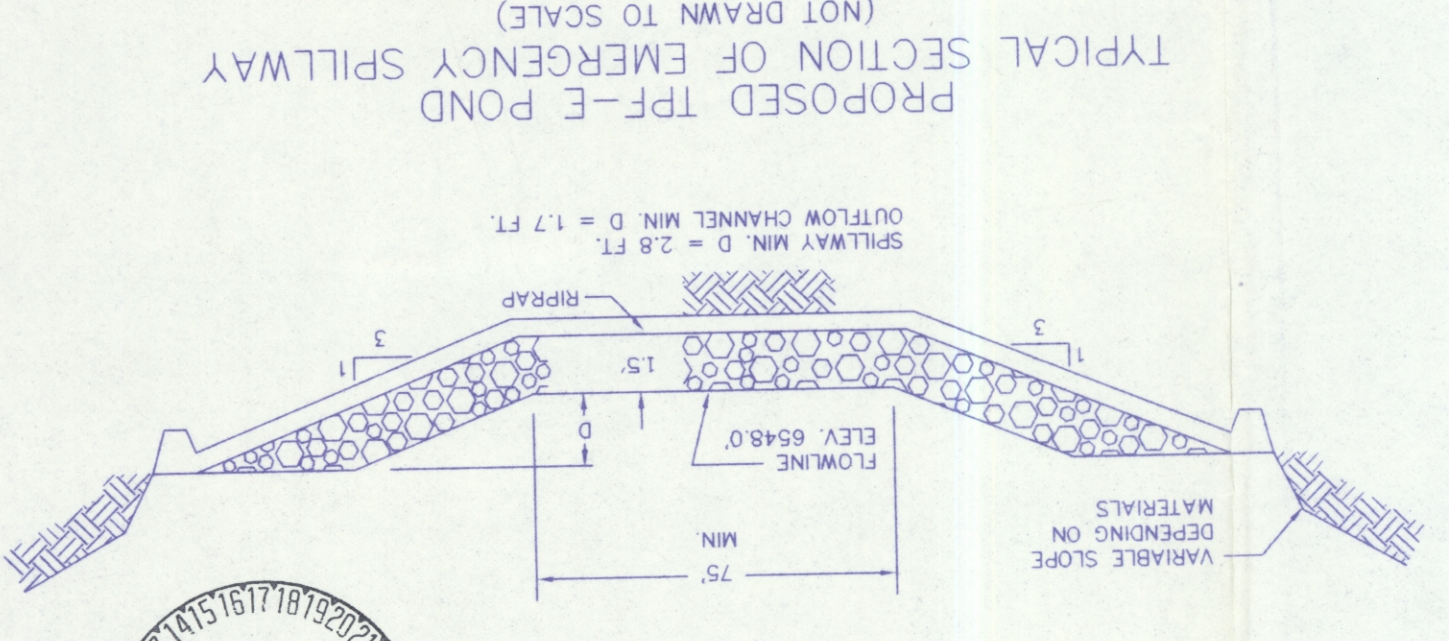
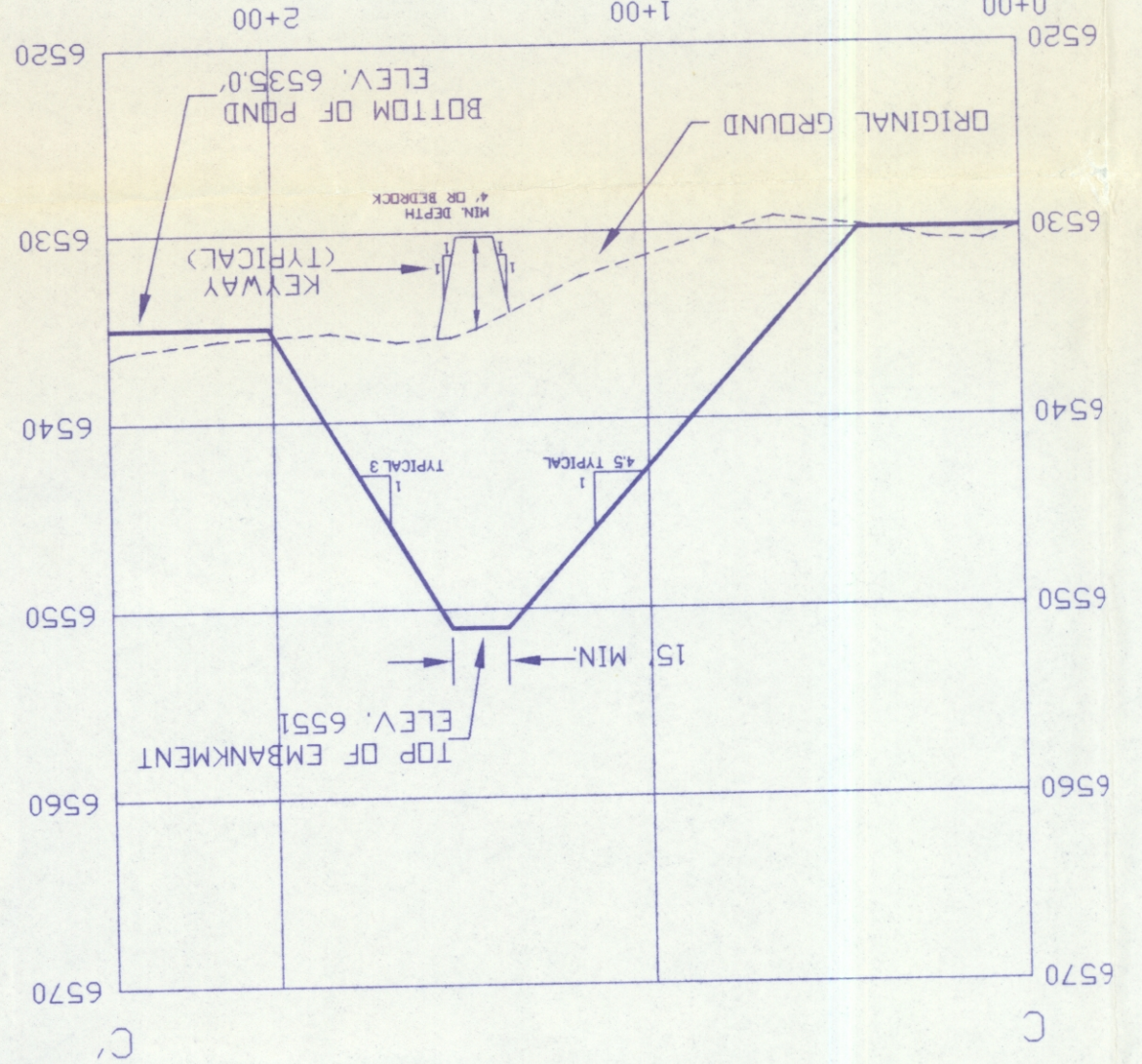
SECTION B - B'
 SCALE: HORIZ. 1"=50'
 VERT. 1"=10'



SECTION A - A'
 SCALE: HORIZ. 1"=50'
 VERT. 1"=10'



SECTION C - C'
 SCALE: HORIZ. 1"=50'
 VERT. 1"=10'



PLAN VIEW
 SCALE: 1"=100'
 PHOTO DATE: 5-1-92
 PL - S