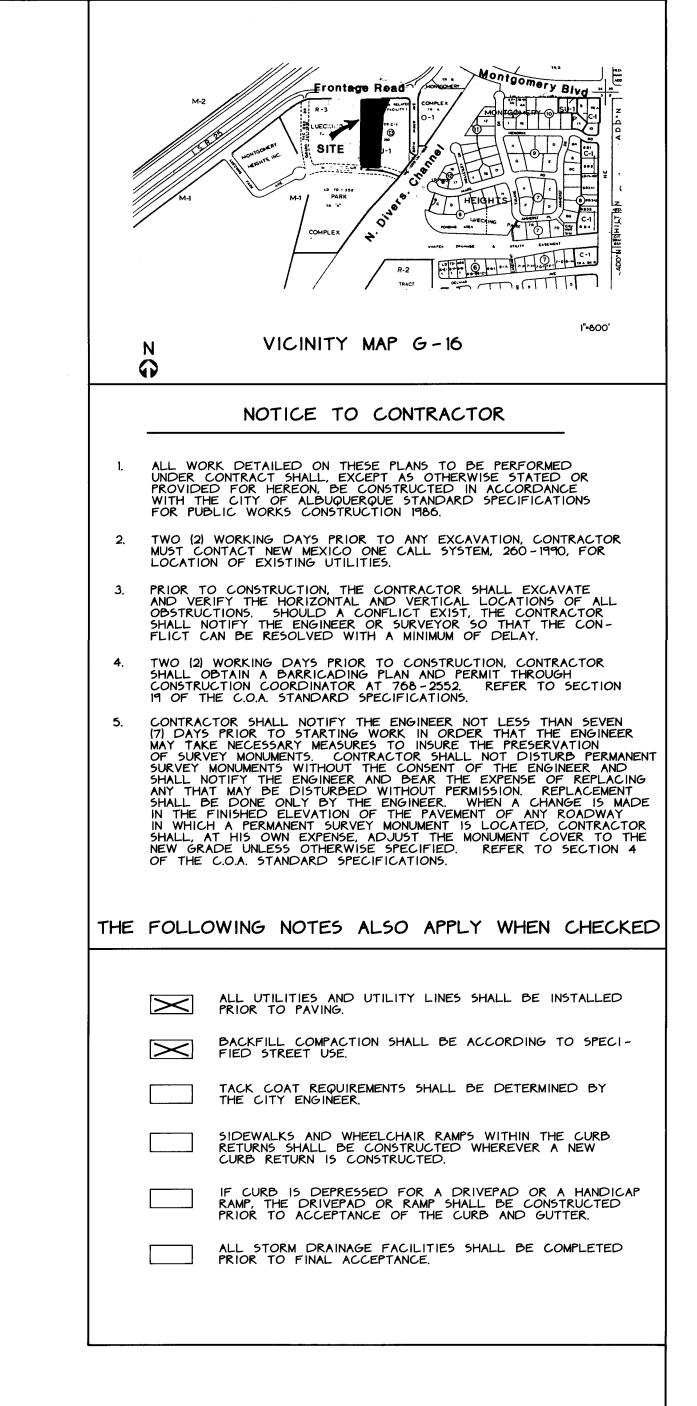
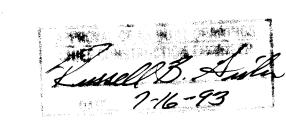
## SALVATION ARMY SILVERCREST WATERLINE PLAN

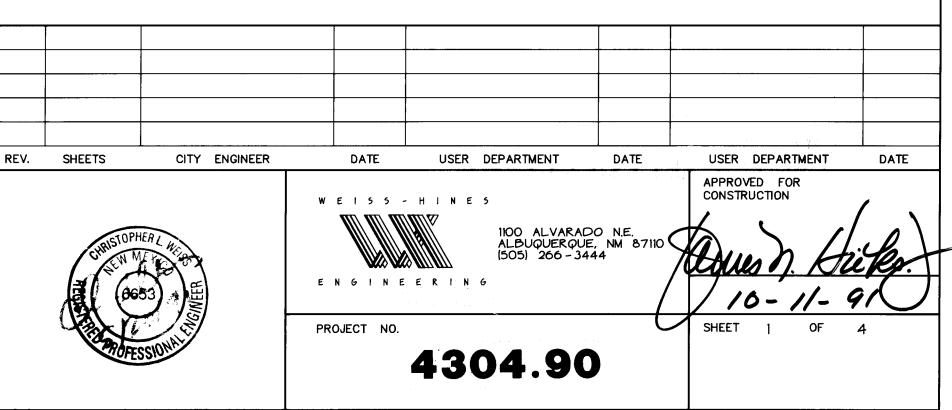
## INDEX OF DRAWINGS

- 1. TITLE SHEET
- 2. PLAT
- 3. DRAINAGE / GRADING PLAN
- 4. WATER LINE PLAN / PROFILE

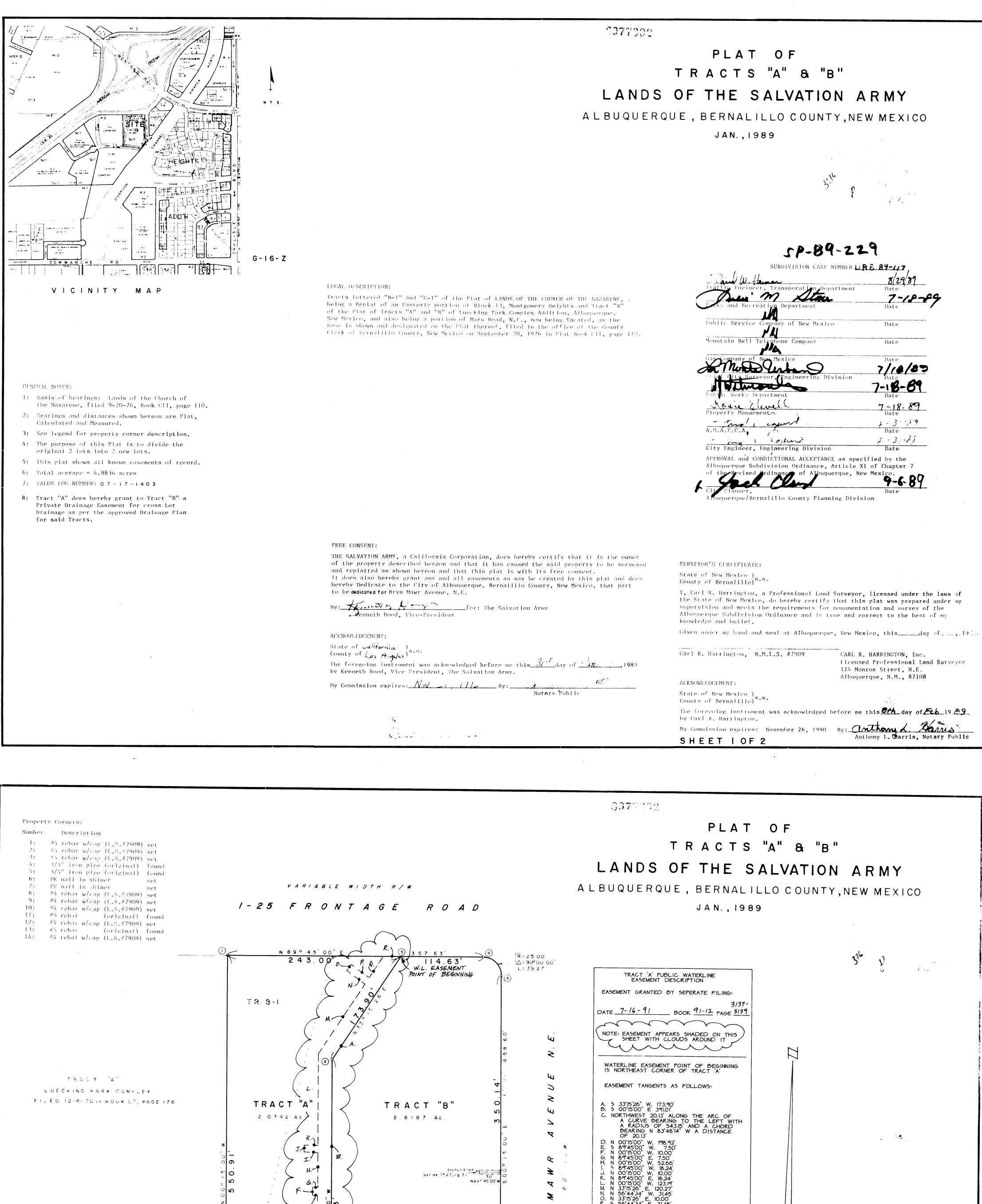


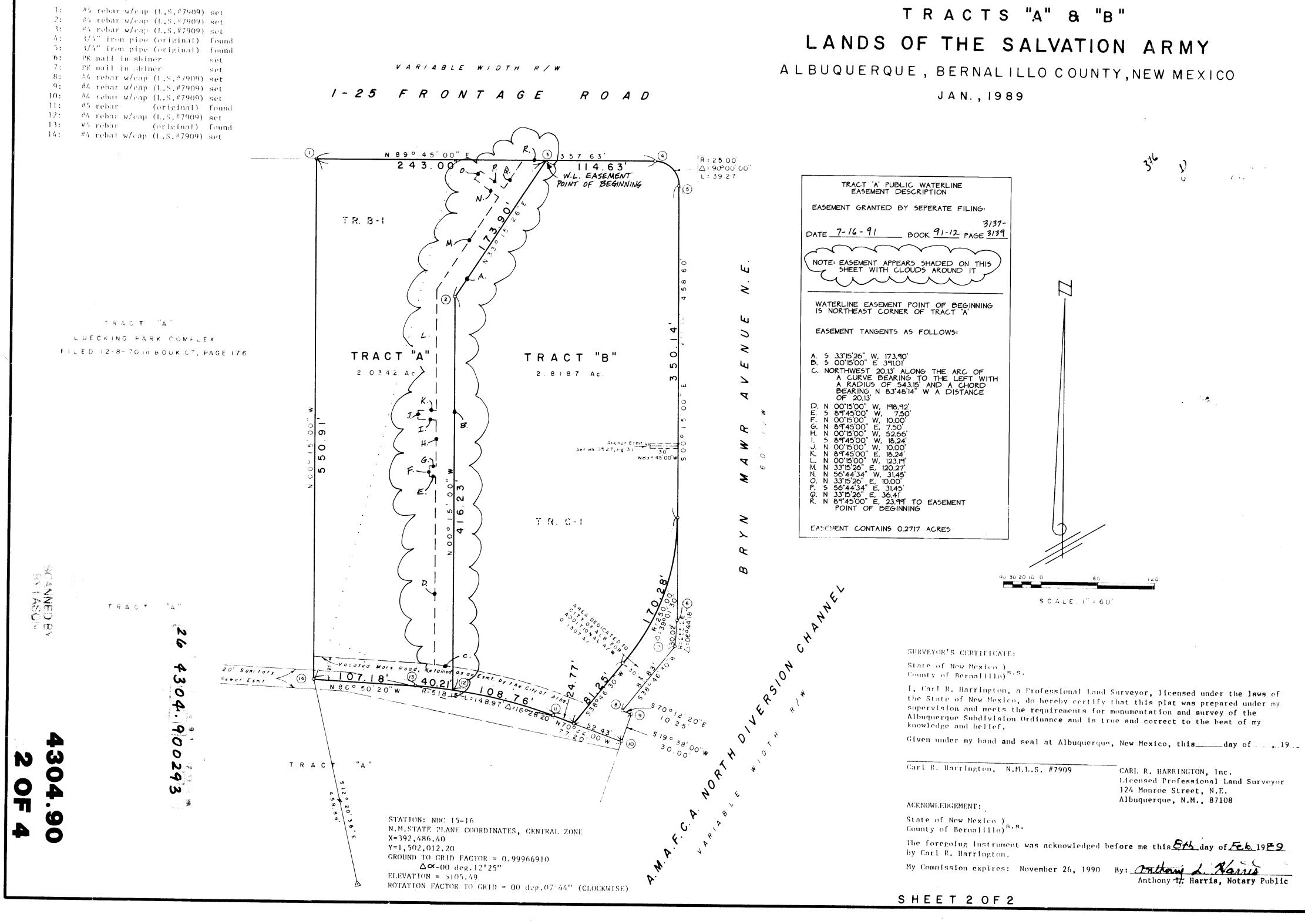


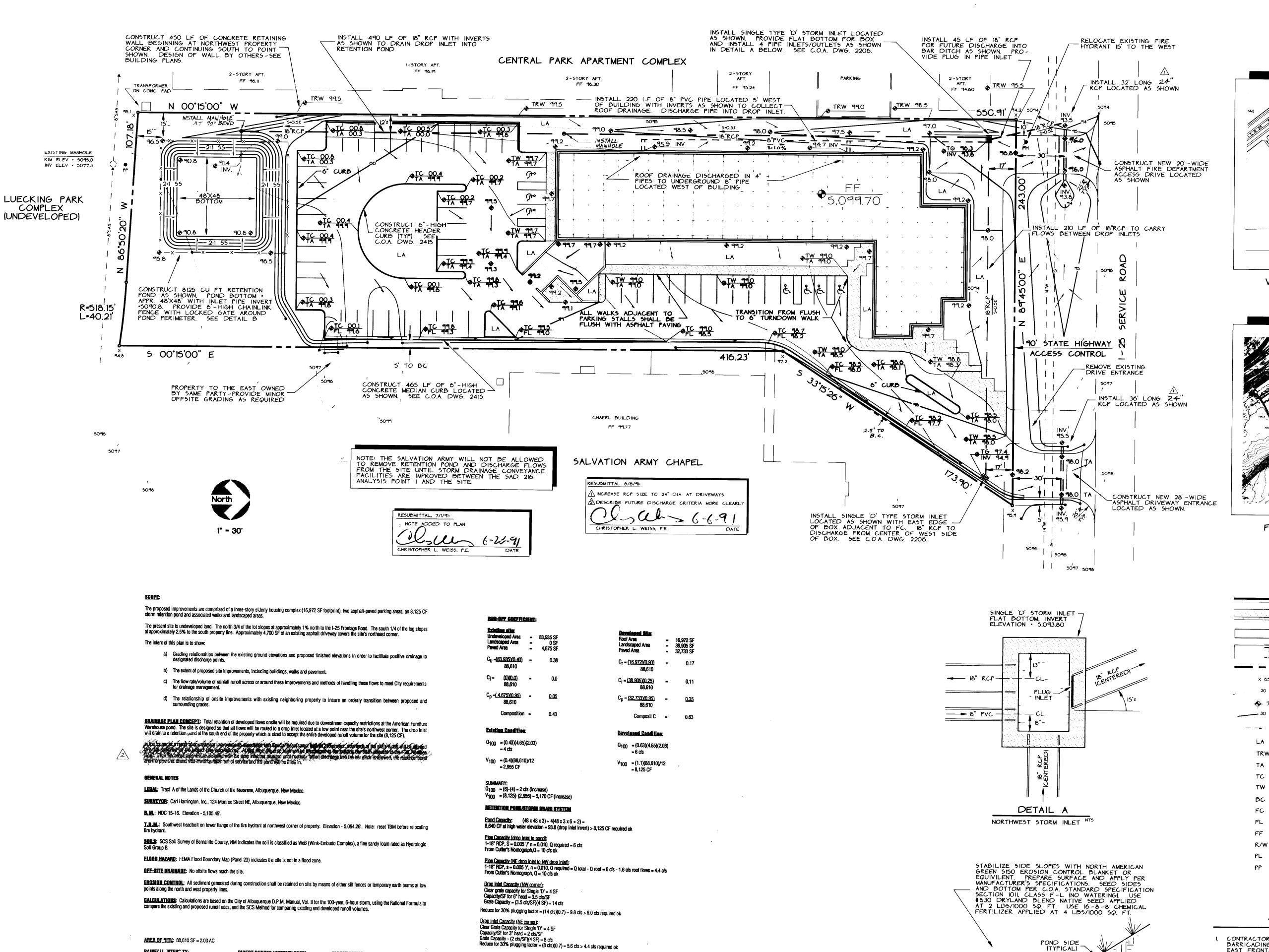
## 26 4304.900193



SCANNED BY







RAINFALL NTENCATY:

 $I = P_6 (6.84) T_c^{-0.51} = 4.65$ " per hour

where P<sub>6</sub> = 2.2°(DPM 22.2 D-1)

DIRECT RUNOFF (UNDEVELOPED):

where  $P = 2.2^{\circ}$ , CN = 72

**DIRECT RUNOFF (DEVELOPED):** 

where  $P = 2.2^{\circ}$ , CN = 86

**EUTURE DISCHARGE** 

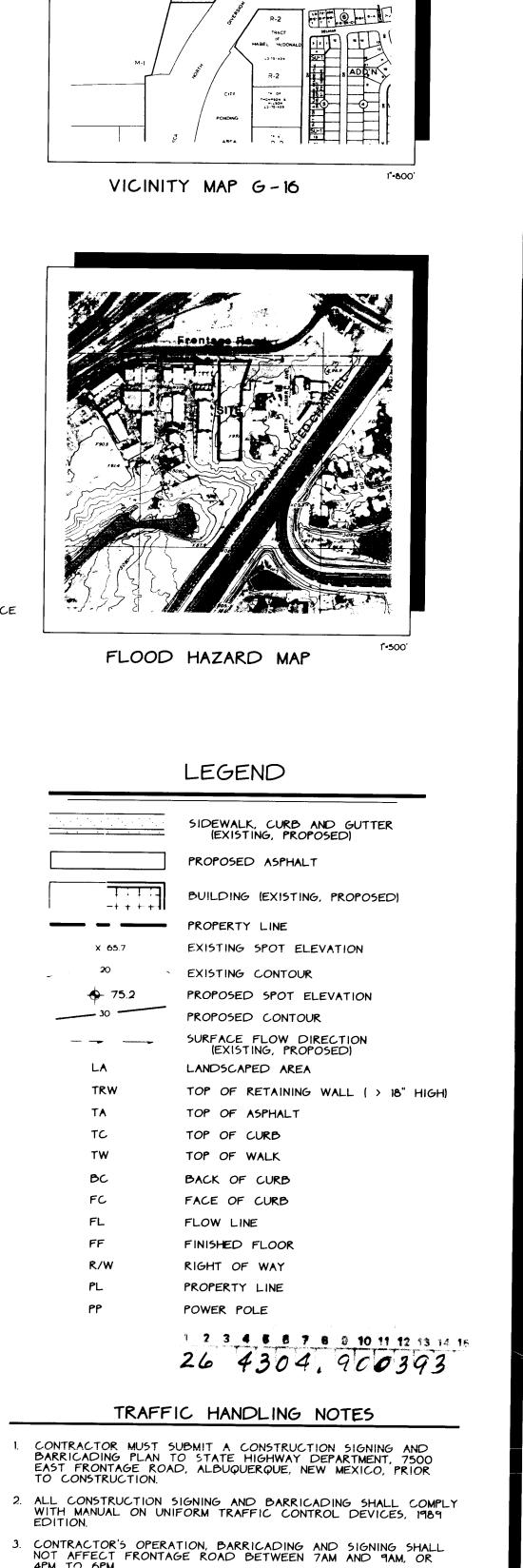
SAD 216 Allowable Discharge (after downstream improvements):

Site Developed Discharge Rate = 6 cfs SAD 216 Allowable Discharge -= (2.9 cfs/Ac)(2.03 AC) = 6 cfs ok

Q100 AP1 = 51.3 cts Area (DA A-1 + A2) = 17.9 total acres Allowable discharge rate = 51.3 + 17.9 = 2.9 cts/acre

Pipe Capacity (NW Drop inlet to bar ditch): 1-18" RCP, s = 0.005 '/, n = 0.010, Q required = 6 cfs From Cutter's Nornograph, Q = 10 cfs ok

Per Drainage Analysis Addendum (6/6/90), site lies within Drainage Area A-2 which, along with DA A-1 drains to Analysis Point 1.



Frontage Road

-----

5101

REV A &

N N

ARMY / GR

ATION

SHEET 3 OF 4

4304.90 FOR INFORMATION ONLY 3 OF 4

POND

DETAIL B

POND TREATMENT

