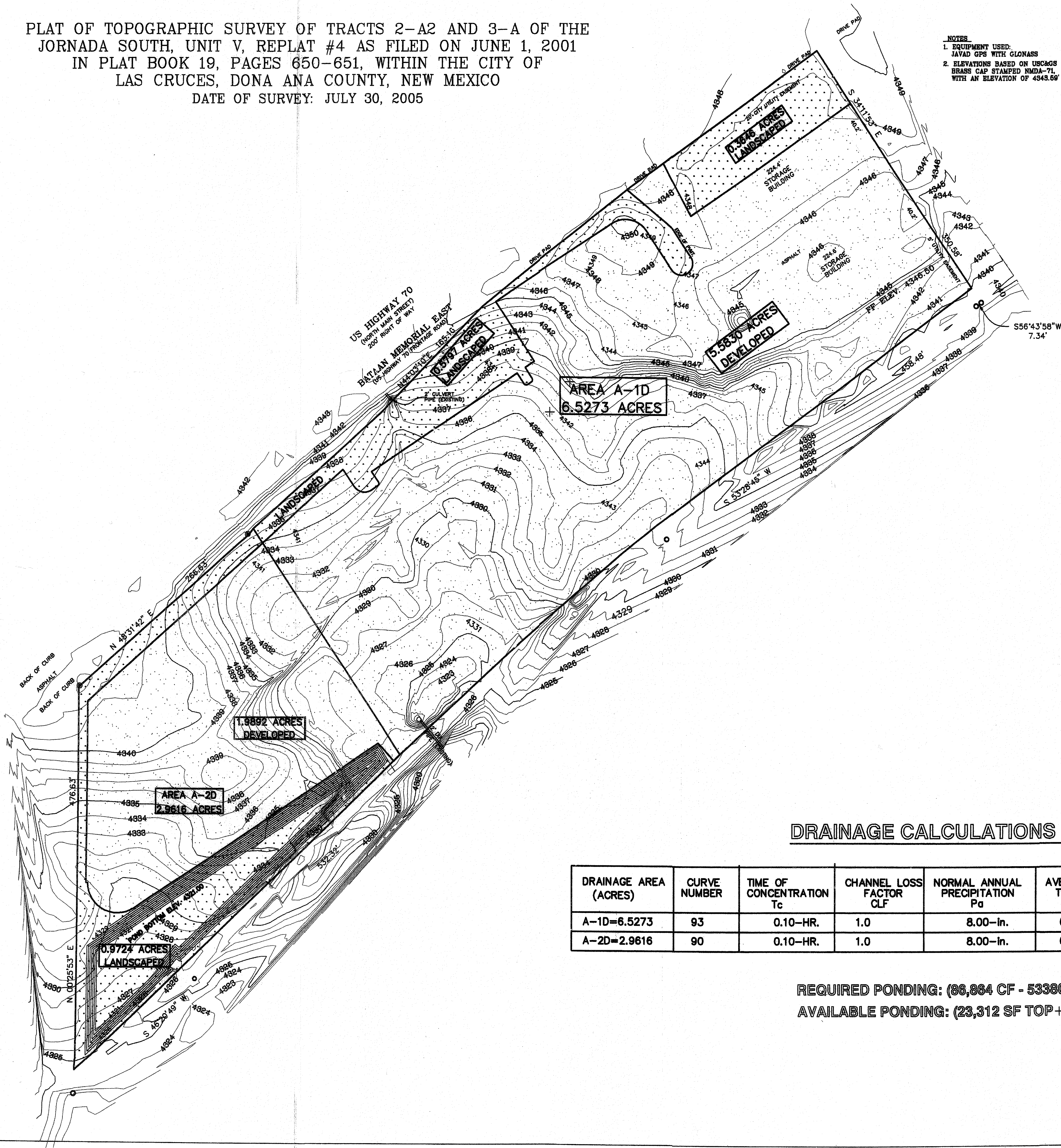


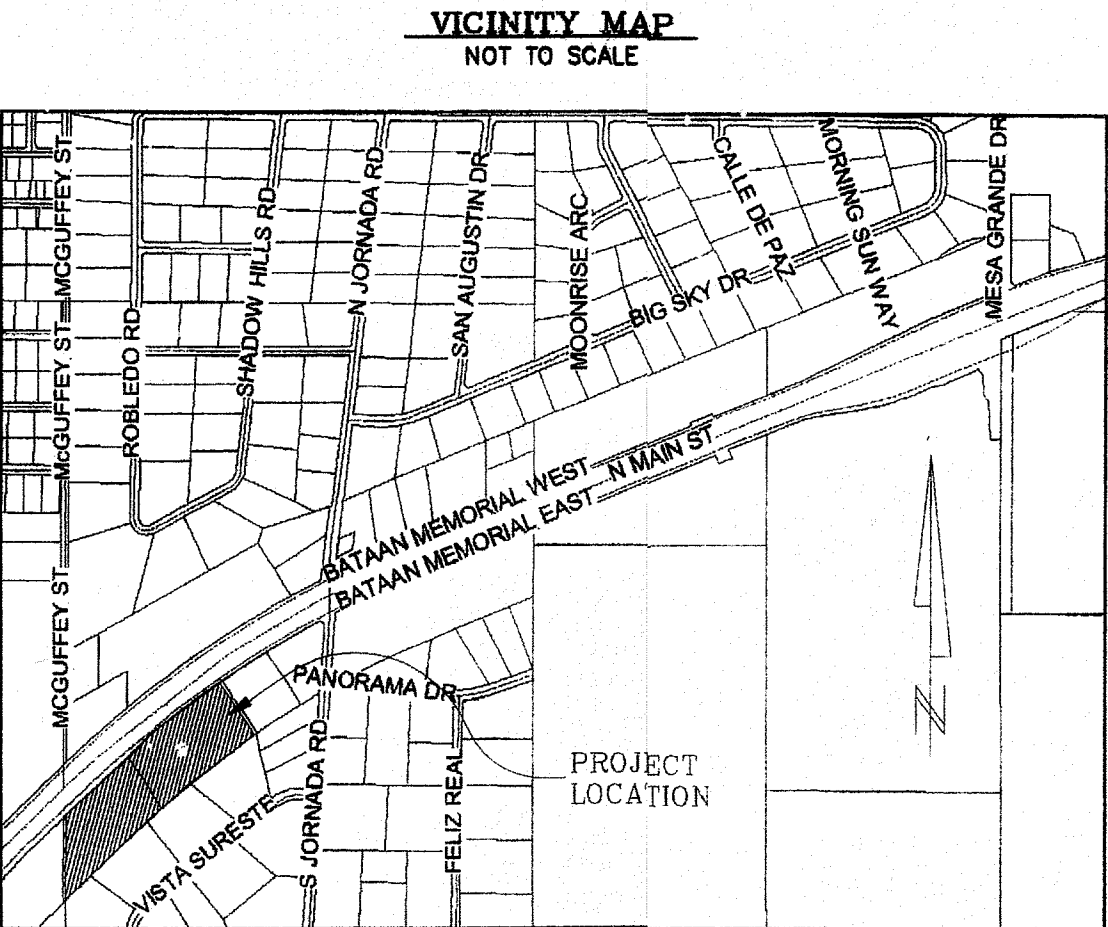
PLAT OF TOPOGRAPHIC SURVEY OF TRACTS 2-A2 AND 3-A OF THE
JORNADA SOUTH, UNIT V, REPLAT #4 AS FILED ON JUNE 1, 2001
IN PLAT BOOK 19, PAGES 650-651, WITHIN THE CITY OF
LAS CRUCES, DONA ANA COUNTY, NEW MEXICO
DATE OF SURVEY: JULY 30, 2005



NOTES:
1. EQUIPMENT USED:
JAVAD GPS WITH GLONASS
2. ELEVATIONS BASED ON USC&GS
BRASS CAP STAMPED NMDA-71,
WITH AN ELEVATION OF 4343.69'

- LEGEND
- FOUND IRON ROD
 - ⊙ HIGHWAY CAP
 - ⊕ PHONE RISER
 - ⊕ GAS VALVE
 - ⊕ WATER VALVE
 - ⊕ FIRE HYDRANT
 - ⊕ VENT PIPE
 - ⊕ DROP INLET
 - ⊕ UTILITY POLE WITH ANCHOR
 - PROPERTY LINE
 - EASEMENT LINE
 - - - EDGE OF ASPHALT
 - - - OVERHEAD ELECTRIC FENCE

SCALE
1" = 40'
JOB NUMBER 101-72



DRAINAGE CALCULATIONS (DEVELOPED)

DRAINAGE AREA (ACRES)	CURVE NUMBER	TIME OF CONCENTRATION T _c	CHANNEL LOSS FACTOR CLF	NORMAL ANNUAL PRECIPITATION P _a	AVERAGE ANNUAL TEMPERATURE T _a	UNIT DISCHARGE cfs/ac-in.	PEAK DISCHARGE 10-YR.	PEAK DISCHARGE 100-YR.	VOLUME OF RUNOFF 10-YR.	VOLUME OF RUNOFF 100-YR.
A-1D=6.5273	93	0.10-HR.	1.0	8.00-in.	60 °F	2.30	21.0 cfs	39.0 cfs	5,319 CF	61,605 CF
A-2D=2.9616	90	0.10-HR.	1.0	8.00-in.	60 °F	2.30	8.2 cfs	16.0 cfs	12,900 CF	25,264 CF
TOTAL									86,869 CF	

REQUIRED PONDING: (86,864 CF - 53,380 CF) = 33,489 CF
AVAILABLE PONDING: (23,312 SF TOP + 13,312,864 SF BOTTOM/2) * 5-FT. = 91,948 CF

(505) 526-4056 FAX
(505) 526-9582
ROBERT T. BLANTON, P.E.
CIVIL/STRUCTURAL ENGINEER
Consulting Services
1732 Asper Ave.
Las Cruces, N.M. 88005

MOUNTAIN VIEW STORAGE COMPLEX
4400 BATAAN MEMORIAL
EAST HWY 70 FRONTAGE ROAD
LAS CRUCES, NM

SCALE: AS NOTED



DEVELOPED RUNOFF

REVISION DATE:

SHEET NO.

C-8

Donohue Land Surveys
3010 Bowman Avenue
P.O. Box 40
Mesilla Park, N.M. 88047
1-505-523-1114