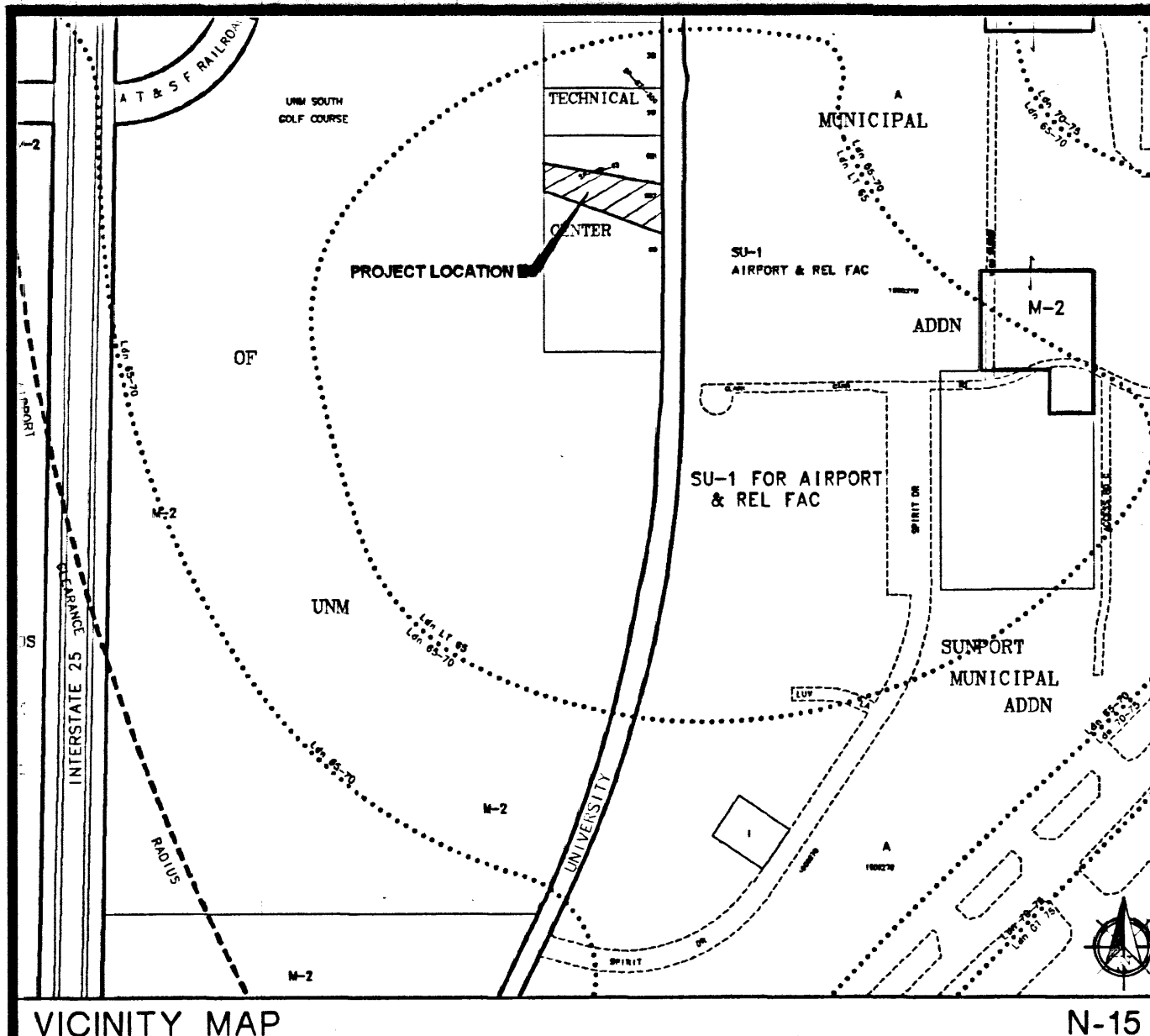




Legal Description

TRACT B AIRPORT CENTER, ALBUQUERQUE, BERNALILLO
COUNTY,
NEW MEXICO AS THE SAME IS SHOWN AND DESIGNATED ON
THE PLAT THEREOF, FILED IN THE OFFICE OF THE COUNTY
CLERK OF BERNALILLO COUNTY, NEW MEXICO

Drainage Calculations

Montoya Construction

Hydrology Calculations

DPM - Section 22.2

Volume 2, January 1993

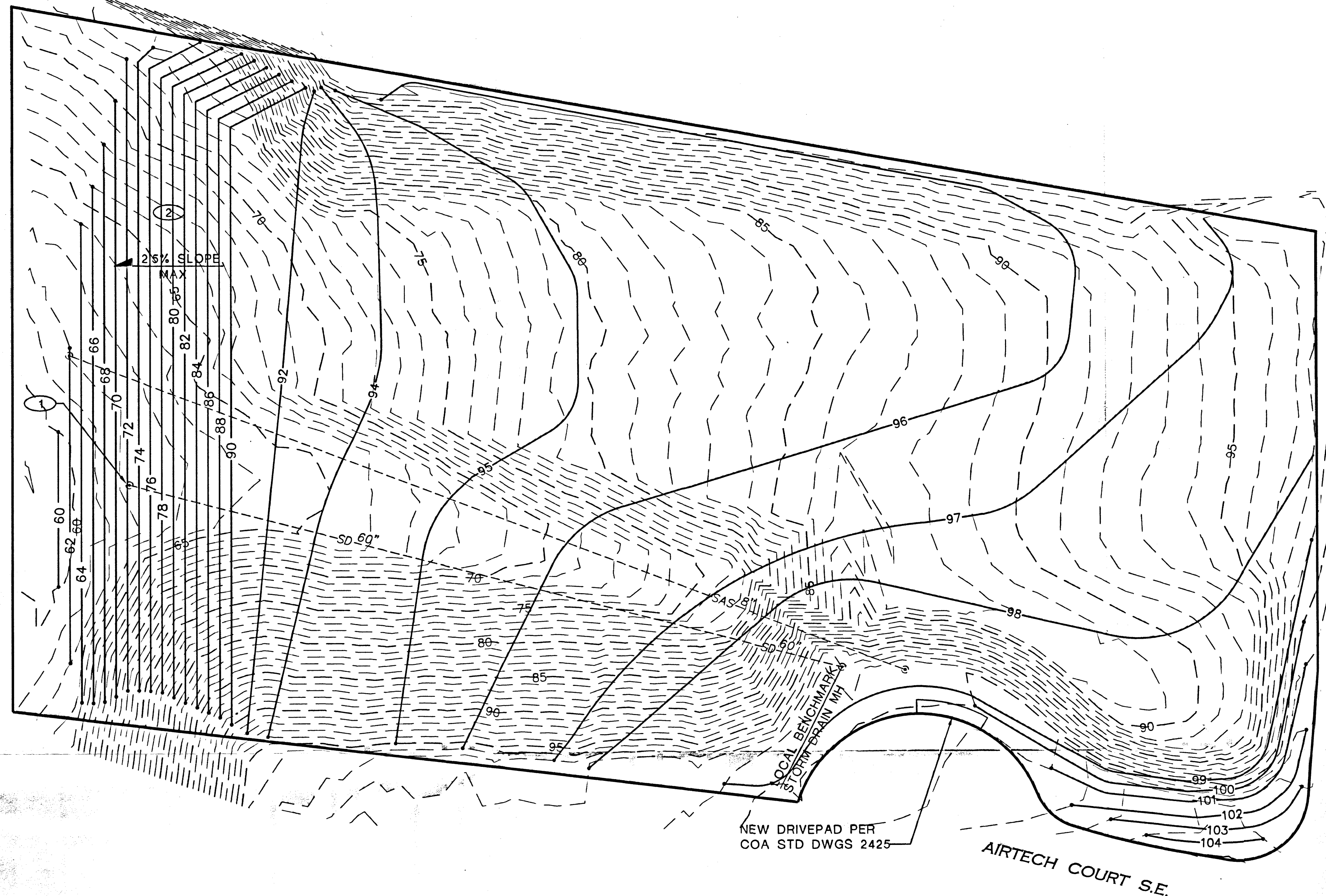
Precipitation Zone	2
100 Year Storm Depth, P (360)	2.35

Treatment Area	A	B	C	D
Excess Precipitation Factors	0.53	0.78	1.13	2.12
Peak Discharge Factors	1.56	2.28	3.14	4.70

Land Treatment Area	Acres	Existing	Allowable	Proposed
Type "D" (Roof)		0.00	0.62	0.00
Type "C" (Unpaved Roadway)		0.00	0.73	0.00
Type "B" (Irrigated Lawns)		0.00	0.73	0.90
Type "A" (Undeveloped)		3.67	1.58	2.77

Total (Acres)	3.67	3.67	3.67
Excess Precipitation(in)	0.53	0.99	0.59

Volume (100), cf	7060.71	13127.60	7877.46
Volume (10),cf	4730.68	8795.49	5277.90
Q (100), cfs	5.73	9.35	6.37
Q (10), cfs	3.84	6.27	4.27



UPC Number

1015-054-292-339-102-32

Drainage Narrative

THE SITE FOR THIS GRADING AND DRAINAGE PLAN IS TRACT B, AIRPORT TECHNICAL CENTER AND CONTAINS APPROXIMATELY 3.67 ACRES. THE PROPERTY IS LOCATED AT THE NORTHWEST CORNER OF UNIVERSITY BOULEVARD AND AIRTECH COURT WITHIN THE CITY OF ALBUQUERQUE, NM.

THIS GRADING PLAN PROPOSES TO FILL TRACT B TO AN ELEVATION EQUIVALENT TO THE ELEVATION OF THE ADJACENT PROPERTIES TO THE NORTH AND SOUTH AND TO UNIVERSITY. THE PROPERTY CURRENTLY SLOPES FROM EAST TO WEST AND DRAINS INTO THE UNIVERSITY OF NEW MEXICO SOUTH GOLF COURSE PROPERTY. THIS PLAN WILL CONTINUE TO DRAIN THE PROPERTY TOWARD THE WEST, BUT WITH THE FILL OF THE PROPERTY PROPOSED, THE WEST SLOPE WILL BE STABILIZED SO AS TO REDUCE OR ELIMINATE THE POTENTIAL FOR EROSION OF THE FILL...

THE PROPERTY DOES NOT ACCEPT OFF-SITE FLOWS DUE TO THE RECENT CONSTRUCTION OF INFRASTRUCTURE ADJACENT TO THE SITE ON THE EAST AND SOUTH.

○ Keyed Notes

1. EXISTING STORM DRAIN MANHOLE SHALL BE ADJUSTED PER COA STD DWG TO MATCH NEW GRADE ELEVATION
EXISTING RIM ELEV = 62.27
PROPOSED RIM ELEV = 73.00
2. SLOPE OF WESTERN PORTION OF PROPERTY REQUIRES STABILIZATION. USE GEOGRID OR EQUIVALENT PRODUCT.

Project Benchmark

CITY OF ALBUQUERQUE SURVEY CONTROL
3 1/2" DISC STAMPED '1-N16-RESET 1985'

X = 1529184.809
Y = 1468018.907
NAD 83

Local Benchmark

LOCAL BENCHMARK IS THE STORM SEWER
MANHOLE LOCATED JUST NORTH OF AIRTECH
COURT S.E.

ELEV = 97.97 (LOCAL ELEVATION)

Legend

- | | |
|---|-------------------|
| | PROPERTY BOUNDARY |
|  | EXISTING CONTOUR |
|  | EXISTING MANHOLE |
|  | NEW CONTOUR |

Engineer's Statement

I, THE ENGINEER OF RECORD, CERTIFY THAT I HAVE PERSONALLY VISITED THE SITE AND THE EXISTING GRADES AND CONTOURS DEPICTED ON THIS PLAN MATCH WHAT PRESENTLY EXISTS AT THE PRESENT LOCATION.

MARTIN J. GARCIA - N.M.P.E. 11767

DO NOT SCALE DRAWINGS
CONTRACTOR TO VERIFY ALL
EXISTING CONDITIONS AND
DIMENSIONS- NOTIFY
ENGINEER/ARCHITECT OF ANY
DISCREPANCIES PRIOR TO
BEGINNING CONSTRUCTION

GRADING PLAN

DAVID MONTOYA CONSTRUCTION
ALBUQUERQUE, NEW MEXICO

[illegible]

SHEET TITLE

GRADING PLAN

C-101

SHEET 1 of 1
RECEIVED
FEB 25 2008
HYDROLOGY
SECTION

