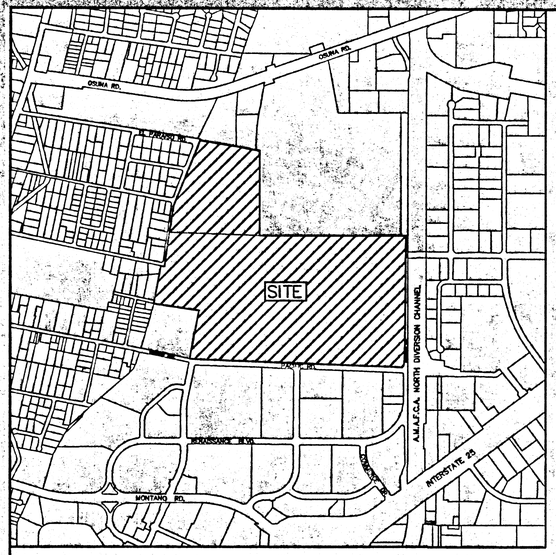
CALMAT BUSINESS PARK
PHASE I
SITE DEVELOPMENT PLAN
FOR SUBDIVISION
CONCEPTUAL GRADING AND DRAINAGE PLAN



LOCATION MAP

ZONE ATLAS MAP E-16 & F-16
SCALE: 1"=1000'

LEGEND

A-1 13.292 AC.	DRAINAGE AREA DESIGNATION AND AREA
	DRAINAGE AREA BOUNDARY
AP-A Qp=270.5 CFS	ANALYSIS POINT & 100 YR PEAK RUN-OFF
	DIRECTION OF FLOW – DEVELOPED
5090	EXISTING CONTOUR
5090	PROPOSED FINISH GRADE CONTOUR
SD	FUTURE STORM DRAIN

SCALE 1"=200'

Plan STAMPED 2/25/98

RECEIVED
MAY 15 1998
HYDROLOGY SECTION

UNIVERSAL INDUSTRIAL PARK

EL PARAISO RD. NE.
NIAGRA AVE. NE.
MOBLE PL. NE.
MISSION AVE. NE.
VINEYARD RD. NE.
ALEXANDER BOULEVARD NE
CENTURY DRIVE NE.
SINGER AVE. NE.
PACIFIC ROAD NE.
CHAPPELL DRIVE NE.
A.M.A.F.C.A. NORTH DIVERSION CHANNEL

LOT 1 16.7 AC. — B-1 17.7 AC.
LOT 2 20.1 AC. — B-2 20.9 AC.
PHASE 2
AP-I Qp=100.5 CFS
FUTURE STORM DRAIN TO NORTH EDITH BLVD. STORM DRAIN SYSTEM AT EDITH & VINEYARD
Q_{SDE}=5 CFS
SD 18"
B-4 4.4 AC. DETENTION BASIN Qp=573.3 CFS
LOT 3 12.1 Ac.
AP-E Qp=187.9 CFS
AP-H Qp=489.4 CFS
FUTURE OUTLET RISER & WITH CONTROLLABLE OUTLET
LOT 4 5.1 Ac.
B-3 12.7 AC. — AP-F Qp=412.7 CFS
C-4 14.7 AC.
AP-D Qp=244.1 CFS
AP-G Qp=35.1 CFS
A-7 4.24 AC.
AP-C Qp=112.4 CFS
DRAINAGE CHANNEL
MISSION HILLS ELEMENTARY DRAINAGE REPORT (AUG.'96) CONTRIBUTES: A Qp=35.1 CFS & A V_{100}=1.5 ACRE-FT.
C-12 0.87 AC.
A-1 2.33 AC. — LOT 1 2.89 Ac.
A-2 1.16 AC. — LOT 2 2.63 Ac.
A-3 2.20 AC. — LOT 3 2.64 Ac.
A-4 2.10 AC. — LOT 4 2.1 Ac.
PHASE 1
A-1.1 0.56 AC.
AP-A Qp=77.4 CFS
A-2.1 0.47 AC.
A-3.1 0.44 AC.
RENAISSANCE CENTER DRAINAGE PLAN (REVISED MARCH 1987) CONTRIBUTES A Qp=63.9 CFS & A V_{100}=6.70 ACRE-FT.
RENAISSANCE CENTER
APPROXIMATE OFF-SITE DRAINAGE BOUNDARY
C-1 7.6 AC. — LOT 1 6.4 Ac.
C-2 7.5 AC. — LOT 2 6.8 Ac.
C-3 6.3 AC. — LOT 3 6.8 Ac.
C-11 3.04 AC.
LOT 5 6.4 Ac.
LOT 7 4.8 Ac.
LOT 9 16.5 Ac.
C-5 6.0 AC.
C-7 5.7 AC.
C-9 16.5 AC.
LOT 6 4.8 Ac.
LOT 8 6.5 AC.
AP-B Qp=57.8 CFS
C-6 2.4 AC.
C-8 5.9 AC.
C-10 6.4 AC.
A-5 2.09 AC. — LOT 5 2.53 Ac.
LOT 12 3.6 Ac.
LOT 10 2.9 Ac.
LOT 11 3.0 Ac.
A-5.1 0.44 AC.
A-6 2.77 AC.
A-4.1 0.48 AC.
APPROXIMATE OFF-SITE DRAINAGE BOUNDARY
RENAISSANCE CENTER

REGISTERED PROFESSIONAL ENGINEER STATE OF NEW MEXICO No. 3960 JOHN A. ANDREWS

John A. Andrews 2-25-98
JOHN A. ANDREWS DATE
REGISTERED PROFESSIONAL ENGINEER NO. 3960

SHEET 4 OF 4

ANDREWS, ASBURY & ROBERT, INC.
CONSULTING ENGINEERS
ALBUQUERQUE 96-748 NEW MEXICO

SCALE 1"=100'

NOTE: Q_{MAX} =5 CFS; MAXIMUM DETENTION BASIN OUTLET FLOW AS PER NORTH EDITH STORM DRAINAGE PLAN BOYLE ENGINEERING CORP. (NOV. 1990)

PROPOSED STORM DRAIN TO NORTH EDITH BLVD. STORM DRAIN SYSTEM AT EDITH & VINEYARD

SEE FIGURE 4 FOR DETENTION BASIN DETAILS

TOKAY STREET NE.

VINEYARD ROAD

NOBLE PL. NE.

ALEXANDER BOULEVARD NE.

SINGER AVENUE NE.

MISSION ROAD NE.

CULTURE BRIVE NE

PHASE 2

PHASE 3

PHASE 1

DETENTION BASIN

TEMPORARY (PHASE I) DRAINAGE CHANNEL

INTERIM BERM

SEE FIGURE 5 FOR DETAILS ON PHASE 1 STORM DRAIN

MISSION HILLS ELEMENTARY DRAINAGE REPORT (AUG.'96) CONTRIBUTES:
A Qp=35.1 CFS &
A V_{100}=1.5 ACRE-FT.

PROPOSED OUTLET RISER & WITH CONTROLLABLE OUTLET

AP-I Qp=100.5 CFS
AP-J Qp=620.6 CFS
AP-H Qp=536.7 CFS
AP-E Qp=218.1 CFS
AP-F Qp=460.0 CFS
AP-D Qp=244.1 CFS
AP-G Qp=35.1 CFS
AP-C Qp=112.4 CFS
AP-A Qp=77.4 CFS

LOT 1 6.4 Ac.
LOT 2 6.8 Ac.
LOT 3 6.8 Ac.
LOT 3 12.1 Ac.
LOT 4 15.1 Ac.
LOT 5 6.4 Ac.
LOT 7 4.8 Ac.
LOT 16.5 A
LOT 6 4.8 Ac.
LOT 8 6.5 Ac.
LOT 1 2.89 Ac.
LOT 2 2.63 Ac.
LOT 3 2.64 Ac.
LOT 4 2.56 Ac.
LOT 5 2.53 Ac.
LOT 10 2.9 Ac.
LOT 11 3.0 Ac.

LEGEND

- AP-A Qp=270.5 CFS — ANALYSIS POINT & 100 YR PEAK RUN-OFF
- DIRECTION OF FLOW – DEVELOPED
- 5095 — EXISTING CONTOUR
- 5090 — PROPOSED FINISH GRADE CONTOUR
- SD — FUTURE STORM DRAIN

SEE CALMAT BUSINESS PARK PHASE 1, PHASE 2, AND PHASE 3 PRELIMINARY PAVING AND STORM DRAINAGE IMPROVEMENTS PLAN SET

RENAISSANCE CENTER

CALMAT CO. OF NEW MEXICO

CALMAT BUSINESS PARK, ALBUQUERQUE, NEW MEXICO

PRELIMINARY STORM DRAIN LAYOUT

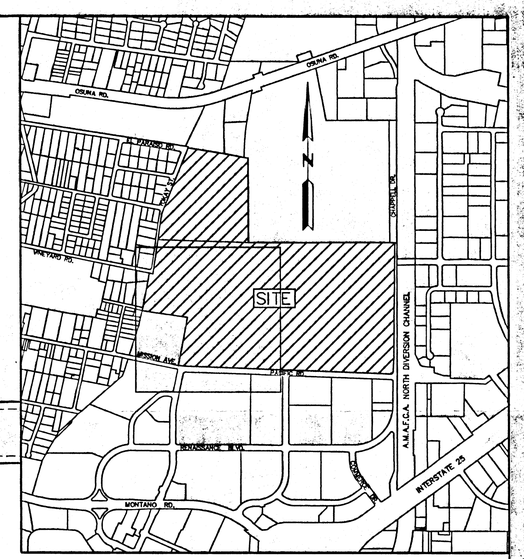
PHASE II AND PHASE III CONSTRUCTION

THE LARKIN GROUP

FILE No.	DRAWN BY	CHECKED BY	DATE	
96-0748	AE	PG, JA	AUG. 16, 1999	FIGURE 7

UNIVERSAL INDUSTRIA

SCALE 1"=100'



LOCATION MAP

ZONE ATLAS MAP E-16 & F-16
SCALE: 1"=1000'

LEGEND

- A-1 2.52 AC Q=6.47CFS — DRAINAGE AREA DESIGNATION AND AREA
- DRAINAGE AREA BOUNDARY
- Q=270.5 CFS — ANALYSIS POINT & 100 YR PEAK RUN-OFF
- DIRECTION OF FLOW – DEVELOPED
- FUTURE STORM DRAIN LINE W/ MANHOLE
- EXISITING CONTOUR
- PROPOSED FINISH 1' GRADE CONTOUR
- PROPOSED FINISH 5' GRADE CONTOUR
- NEW SPOT ELEVATION
- AREAS TO BE DEVELOPED UNDER PHASES 2 & 3

NOTE: BASINS IDENTIFIED AS C-X ARE SAME AS ON MASTER DRAINAGE PLAN. PHASE I DRAINAGE MODEL ASSUMES ALL ON-SITE DRAINAGE FROM BASINS C-X FLOW TO EXISTING RETENTION BASIN, POND #1.

REGISTERED PROFESSIONAL ENGINEER
STATE OF
No. 3960
NEW MEXICO
JOHN A. ANDRUS
10-25-99

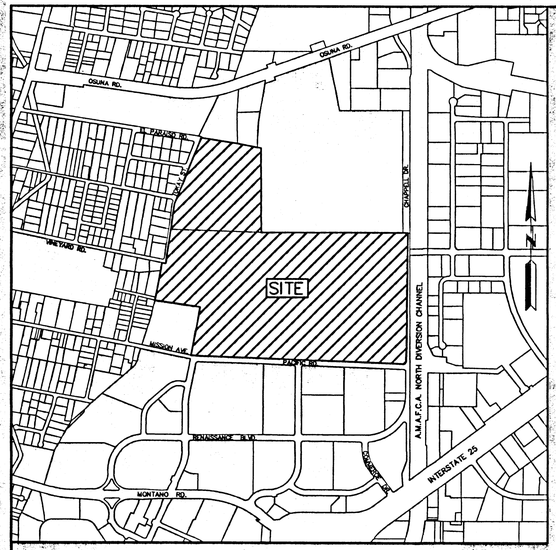
CALMAT CO. OF NEW MEXICO

CALMAT BUSINESS PARK ALBUQUERQUE, NEW MEXICO

GRADING & DRAINAGE PLAN PHASE I

THE LARKIN GROUP, INC.

FILE No.	DRAWN BY	CHECKED BY	DATE	
96-0748	AE	PG	OCT. 1999	FIGURE 3A



LOCATION MAP

ZONE ATLAS MAP E-16 & F-16
SCALE: 1"=1000'

MEGA CORP
COA DRAINAGE PLAN E16/D11
PREPARED BY MARK GOODWIN AND ASSOCIATES
DETENTION BASIN DISCHARGES TO EL PARAISO RD.
Q_{P100} < 2 CFS

SCALE 1"=200'

UNIVERSAL INDUSTRIAL PARK
LOT 4B-1

UNIVERSAL INDUSTRIAL PARK
COA DRAINAGE PLAN E16/D13
PREPARED BY BOHANNON-HUSTON, FEBRUARY 1995
ALL RUNOFF TO BE RETAINED ON SITE.
FUTURE RETENTION BASIN DESIGNED TO RETAIN
TWO 6-HOUR PRECIPITATION/RUNOFF EVENTS OF
100-YEAR FREQUENCY

PROPOSED STORM DRAIN TO NORTH EDITH BLVD. STORM DRAIN SYSTEM AT EDITH & VINEYARD

Q_{MAX}=5 CFS

PROPOSED OUTLET RISER & WITH CONTROLLABLE OUTLET

MISSION HILLS ELEMENTARY DRAINAGE REPORT (AUG.'96) CONTRIBUTES: A Qp=35.1 CFS & A V_{100}=1.5 ACRE-FT.

RENAISSANCE CENTER DRAINAGE PLAN (REVISED MARCH 1987) CONTRIBUTES A Qp=63.9 CFS & A V_{100} =6.70 ACRE-FT.

RENAISSANCE CENTER
APPROXIMATE OFF-SITE DRAINAGE BOUNDARY

APPROXIMATE OFF-SITE DRAINAGE BOUNDARY

LEGEND

- A-1, 13.292 AC. — DRAINAGE AREA DESIGNATION AND AREA
- DRAINAGE AREA BOUNDARY
- AP-A, Qp=270.5 CFS — ANALYSIS POINT & 100 YR PEAK RUN-OFF
- DIRECTION OF FLOW – DEVELOPED
- 5090 — EXISTING CONTOUR
- 5090 — PROPOSED FINISH GRADE CONTOUR
- SD — FUTURE STORM DRAIN

REGISTERED PROFESSIONAL ENGINEER STATE OF NEW MEXICO No. 3890 JOHN A. ANDRONE
10-25-99

CALMAT CO. OF NEW MEXICO

CALMAT BUSINESS PARK ALBUQUERQUE, NEW MEXICO

MASTER DRAINAGE PLAN

AAR-THE LARKIN GROUP, INC.
CONSULTING ENGINEERS AND SURVEYORS
ALBUQUERQUE NEW MEXICO

FILE No.	DRAWN BY	CHECKED BY	DATE	
96-0748	AE	PG, JA	JUNE 1999	FIGURE 2