

DRAINAGE INFORMATION SHEET

Sandia Ridge

PROJECT TITLE: Apartments Carports

ZONE ATLAS/DRWNG. FILE #: K-22/D-24

LEGAL DESCRIPTION: Tract B1, Sandia Ridge Subdivision

CITY ADDRESS: 12021 Skyline Dr. NE

ENGINEER FIRM: Lee Engineering

CONTACT: R.G. Lee, Jr.

ADDRESS: 2316 Calle De Refael N.E.

PHONE: (505) 822-8999

Albuquerque N.M. 87122

ARCHITECT: _____

CONTACT: _____

ADDRESS: _____

PHONE: _____

OWNER: _____

CONTACT: _____

ADDRESS: _____

PHONE: _____

SURVEYOR: _____

CONTACT: _____

ADDRESS: _____

PHONE: _____

CONTRACTOR: _____

CONTACT: _____

ADDRESS: _____

PHONE: _____

PRE-DESIGN MEETING:

☐ YES

_____ DRB NO.

☒ NO

_____ EPC NO.

☐ COPY OF CONFERENCE RECAP

_____ PROJ.NO

☐ SHEET PROVIDED

TYPE OF SUBMITTAL:

☐ DRAINAGE REPORT

☒ DRAINAGE PLAN

☐ CONCEPTUAL GRADING & DRAINAGE PLAN

☐ GRADING PLAN

☐ EROSION CONTROL PLAN

☐ ENGINEER' CERTIFICATION

CHECK TYPE OF APPROVAL SOUGHT:

☐ SKETCH PLAT APPROVAL

☐ PRELIMINARY PLAT APPROVAL

☐ SITE DEVELOPMENT PLAN APPROVAL

☐ FINAL PLAT APPROVAL

☒ BUILDING PERMIT APPROVAL

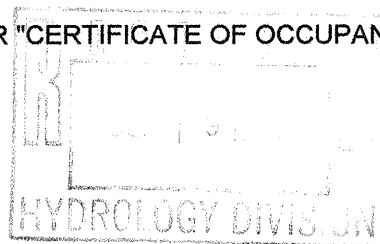
☐ ROUGH GRADING PERMIT APPROVAL

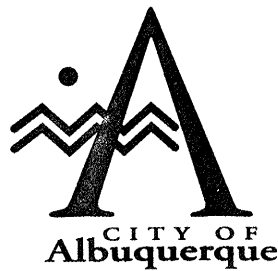
☐ GRADING/PAVING PERMIT APPROVAL

☐ OTHER "CERTIFICATE OF OCCUPANCY"

DATE SUBMITTED: September 19, 1996

BY: Herman Hood





September 25, 1996

Martin J. Chávez, Mayor

R.G. Lee
Lee Engineering
2316 Calle de Rafael NE
Albuquerque, NM 87122

**RE: DRAINAGE PLAN FOR SANDIA RIDGE APARTMENTS CARPORTS
(K22-D24) ENGINEER'S STAMP DATED 9/18/96.**

Dear Mr. Lee:

Based on the information provided on your September 19, 1996 submittal, the above referenced site is approved for Building Permit.

Please attach a copy of this approved plan to the construction sets prior to sign-off by Hydrology.

Prior to Certificate of Occupancy release, Engineer Certification per the D.P.M. checklist will be required.

If I can be of further assistance, please feel free to contact me at 768-2667.

Sincerely,

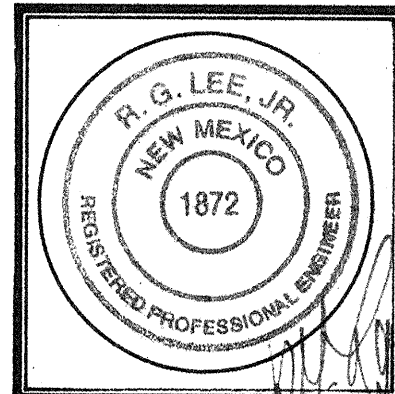
Bernie J. Montoya
Bernie J. Montoya, CE
Engineering Associate

BJM/dl

c: Andrew Garcia
File

Good for You, Albuquerque!





JOB NO.	1621
DATE	11 SEPTEMBER 1976
REVISIONS	

Sheet Title	DRAINAGE PLAN	Checked By: H. Hood
Drawn By: H. Hood		

Project Name	HOOD & COMPANY
300 TOWNSEND ST. N.E. • ALBUQUERQUE, N.M. • 80076-3371	

Project Name	SANDIA RIDGE APARTMENTS PARKING CAR PORT PROJECT

SHEET NO.	1
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BENCH-MARK INFORMATION

REFERENCE TO CITY BENCH-MARK 1-L21 "RESET"
BEARING ELEVATION 5534.54 (MSL)

EROSION CONTROL MEASURES.

THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR MANAGEMENT OF STORM RUNOFF DURING CONSTRUCTION; HE SHALL INSURE THAT THE FOLLOWING MEASURES ARE TAKEN:

- ADJACENT PROPERTY SHALL BE PROTECTED AT ALL TIMES BY CONSTRUCTION OF BERMS, DIKES, SWALES, PONDS AND OTHER TEMPORARY GRADING AS REQUIRED TO PREVENT STORM RUNOFF TO LEAVE THE SITE AND ENTERING ADJACENT PROPERTY.
- ADJACENT PUBLIC RIGHT-OF-WAYS SHALL BE PROTECTED AT ALL TIMES FROM STORM WATER RUNOFF FROM THE SITE. NO SEDIMENT BEARING WATER SHALL BE PERMITTED TO ENTER THE PUBLIC STREETS.
- THE CONTRACTOR SHALL IMMEDIATELY AND THOROUGHLY REMOVE ANY OR ALL SEDIMENT WITHIN THE PUBLIC STREETS THAT HAVE BEEN ERODED FROM THE SITE AND DEPOSITED THERE.

GENERAL NOTES.

- An excavation/construction permit will be required before beginning any work within the City right-of-way. Approved copy of this plan must be submitted at the time of application for permit.
- All work detailed in this plan to be performed, except as otherwise stated or provided hereon, shall be constructed in accordance with City of Albuquerque Standard Specification for Public Works Construction.
- Two working days prior to any excavation, contractor must contact line locating services at (505) 260-1990 for locating existing utilities.
- Prior to construction, the contractor shall excavate and verify the horizontal and vertical location of all construction. Should a conflict exist, the contractor shall notify the engineer so that the conflict can be resolved with a minimum amount of delay.
- Backfill compaction shall be according to residential street use.
- All work on this project shall be performed in accordance with applicable Federal, State and local laws, rules and regulations concerning construction safety and health.

DRAINAGE CALCULATIONS

I. REFERENCES:

- SECTION 22.2, HYDROLOGY OF THE DEVELOPMENT PROCESS MANUAL, VOLUME 2, DESIGN CRITERIA FOR THE CITY OF ALBUQUERQUE, NEW MEXICO IN COOPERATION WITH BERNALILLO COUNTY, NEW MEXICO AND THE ALBUQUERQUE METROPOLITAN ARROYO FLOOD CONTROL AUTHORITY.
- FLOODWAY, FLOOD BOUNDARY AND FLOODWAY MAP, CITY OF ALBUQUERQUE, NEW MEXICO, PANEL 31 OF 50.
- ZONE ATLAS PAGE K-22-2.

II. GENERAL INFORMATION:

- SITE LIES IN ZONE THREE(3) (SEE REF. A, PAGE A-1)
- 100 YEAR, 6 HOUR RAINFALL CRITERIA
- TIME OF CONCENTRATION, T_c : $T_c = 0.2$ hr (12 MINUTES).

III. IMPERVIOUSNESS:

TREATMENT	TYPES OF SURFACES	EXISTING SQ. FT.	ACRES	PROPOSED SQ. FT.	ACRES
A	UNDEVELOPED	0	0.0000	0	0.0000
B	LANDSCAPING	72,700	1.6690	72,700	1.6690
C	COMPACTED/VACANT	0	0.0000	0	0.0000
D	IMPERVIOUS	446,169	10.2426	446,169	10.2426
	TOTAL AREA (TA)	518,869	11.9116	518,869	11.9116

IV. PEAK DISCHARGE 100 YEAR (REF. A, TABLE A-9):

TREATMENT	TYPES OF SURFACES	EXISTING CFS/Ac	$Q_p(100)$	PROPOSED CFS/Ac	$Q_p(100)$
A	UNDEVELOPED	1.87	0.00	1.87	0.00
B	LANDSCAPING	2.60	4.34	2.60	4.34
C	COMPACTED/VACANT	3.45	0.00	3.45	0.00
D	IMPERVIOUS	5.02	51.42	5.02	51.42
	PEAK DISCHARGE FROM SITE		55.76 CFS		55.76 CFS

V. PEAK DISCHARGE 10 YEAR (REF. A, TABLE A-9):

TREATMENT	TYPES OF SURFACES	EXISTING CFS/Ac	$Q_p(10)$	PROPOSED CFS/Ac	$Q_p(10)$
A	UNDEVELOPED	0.58	0.00	0.58	0.00
B	LANDSCAPING	1.19	1.99	1.19	1.99
C	COMPACTED/VACANT	2.00	0.00	2.00	0.00
D	IMPERVIOUS	3.39	34.72	3.39	34.72
	PEAK DISCHARGE FROM SITE		36.71 CFS		36.71 CFS

VI. WEIGHTED "E" 100 YEAR, 6 HR. (REF. A, TABLE A-8):

TREATMENT	TYPES OF SURFACES	EXISTING E	E_{EX}/TA	PROPOSED E	E_{EX}/TA
A	UNDEVELOPED	0.66	0.00	0.66	0.00
B	LANDSCAPING	0.92	0.13	0.92	0.13
C	COMPACTED/VACANT	1.29	0.00	1.29	0.00
D	IMPERVIOUS	2.36	2.03	2.36	2.03
	WEIGHTED "E" FACTOR		2.16 IN		2.16 IN

VII. VOLUME 100 YEAR, $V(360)$ (REF. A, TABLE A-8):

TREATMENT	TYPES OF SURFACES	EXISTING	PROPOSED
A	UNDEVELOPED	$2.16 \times 11.9116/12 = 2,1423$ AC. FT.	
B	LANDSCAPING	$= 93,320$ CU. FT.	
C	COMPACTED/VACANT		
D	IMPERVIOUS		
	WEIGHTED "E" FACTOR		

SYMBOL LEGEND

EXISTING CONTOUR ----- 5102 -----
PROPERTY LINE -----
PROPOSED CARPORTS (SEE SITE PLAN FOR DIMENSIONS) [Hatched Box]

DRAINAGE PLAN

SCALE: 1"=50.0'

0 25' 50' 100'

