

Martin J. Chávez, Mayor

October 8, 1997

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

**RE: ENGINEER'S CERTIFICATION FOR STORAGE FACILITIES TO SANTA FE
TOOLS (K-20/D48) ENGINEER'S CERTIFICATION DATED 10/6/97.**

Dear Mr. Lee:

Based on the information provided on your October 10, 1997 submittal, Engineer Certification for the above referenced site is acceptable.

If I can be of any further assistance, please feel free to contact me at 924-3986

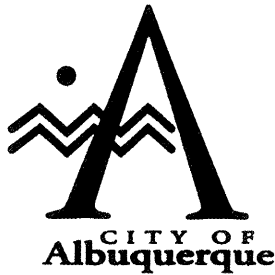
Sincerely,

Bernie J. Montoya CE
Associate Engineer

C: Andrew Garcia
File

Good for You, Albuquerque!





December 20, 1996

Martin J. Chávez, Mayor

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

**RE: DRAINAGE PLAN FOR STORAGE FACILITIES ADDITION TO SANTA
FE TOOLS (K20-D48) ENGINEER'S STAMP DATED 12/19/96.**

Dear Mr. Lee:

Based on the information provided on your December 20, 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, CE
Engineering Associate

BJM/dl

c: Andrew Garcia
File

Good for You, Albuquerque!



DRAINAGE INFORMATION SHEET

Storage Facilities

PROJECT TITLE: for Santa Fe Tools ZONE ATLAS/DRWNG. FILE #: K-20/D-48

LEGAL DESCRIPTION: Lot 18A, Block, Waggoman-Dennison Addition

CITY ADDRESS: 9307 Central Ave. 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: Ken Hovey Architect

CONTACT: Ken Hovey

ADDRESS: 3808 Simms Ave. SE

PHONE: 255-9400

OWNER: _____

CONTACT: _____

ADDRESS: _____

PHONE: _____

SURVEYOR: Harris Surveying, Inc

CONTACT: Anthony Harris

ADDRESS: 2112-D Monroe St. NE

PHONE: 889-8056

CONTRACTOR: _____

CONTACT: _____

ADDRESS: _____

PHONE: _____

PRE-DESIGN MEETING:

☐ YES

☒ NO

☐ COPY OF CONFERENCE RECAP

☐ SHEET PROVIDED

_____ DRB NO.

_____ EPC NO.

_____ PROJ.NO

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: December 19, 1996

BY: Herman Hood

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 30 OF 50.
- ZONE ATLAS PAGE K-20-Z.

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 TYPE	TYPES OF SURFACES	EXISTING SQ. FT.	EXISTING ACRES	PROPOSED SQ. FT.	PROPOSED ACRES
A	UNDEVELOPED	0	0.0000	0	0.0000
B	LANDSCAPING	0	0.0000	441	0.0101
C	COMPACTED/VACANT	0	0.0000	0	0.0000
D	IMPERVIOUS	44,130	1.0131	43,689	1.0030
	TOTAL AREA (TA)	44,130	1.0131	44,130	1.0131

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

TREATMENT TYPE	TYPES OF SURFACES	EXISTING CFS/AC	EXISTING Qp(100)	PROPOSED CFS/AC	PROPOSED Qp(100)
A	UNDEVELOPED	1.87	0.00	1.87	0.00
B	LANDSCAPING	2.60	0.00	2.60	0.03
C	COMPACTED/VACANT	3.45	0.00	3.45	0.00
D	IMPERVIOUS	5.02	5.09	5.02	5.03
	PEAK DISCHARGE FROM SITE		5.09 CFS		5.06 CFS

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

TREATMENT TYPE	TYPES OF SURFACES	EXISTING CFS/AC	EXISTING Qp(10)	PROPOSED CFS/AC	PROPOSED Qp(10)
A	UNDEVELOPED	0.58	0.00	0.58	0.00
B	LANDSCAPING	1.19	0.00	1.19	0.01
C	COMPACTED/VACANT	2.00	0.00	2.00	0.00
D	IMPERVIOUS	3.39	3.43	3.39	3.40
	PEAK DISCHARGE FROM SITE		3.43 CFS		3.41 CFS

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

TREATMENT TYPE	TYPES OF SURFACES	EXISTING E	EXISTING EXA/TA	PROPOSED E	PROPOSED EXA/TA
A	UNDEVELOPED	0.66	0.00	0.66	0.00
B	LANDSCAPING	0.92	0.00	0.92	0.01
C	COMPACTED/VACANT	1.29	0.00	1.29	0.00
D	IMPERVIOUS	2.36	2.36	2.36	2.34
	WEIGHTED "E" FACTOR		2.36 IN		2.35 IN

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

EXISTING	PROPOSED
$2.36 \times 1.013/12 = 0.1992$ AC. FT. = 3,679 CU. FT.	$2.35 \times 1.013/12 = 0.1980$ AC. FT. = 3,626 CU. FT.

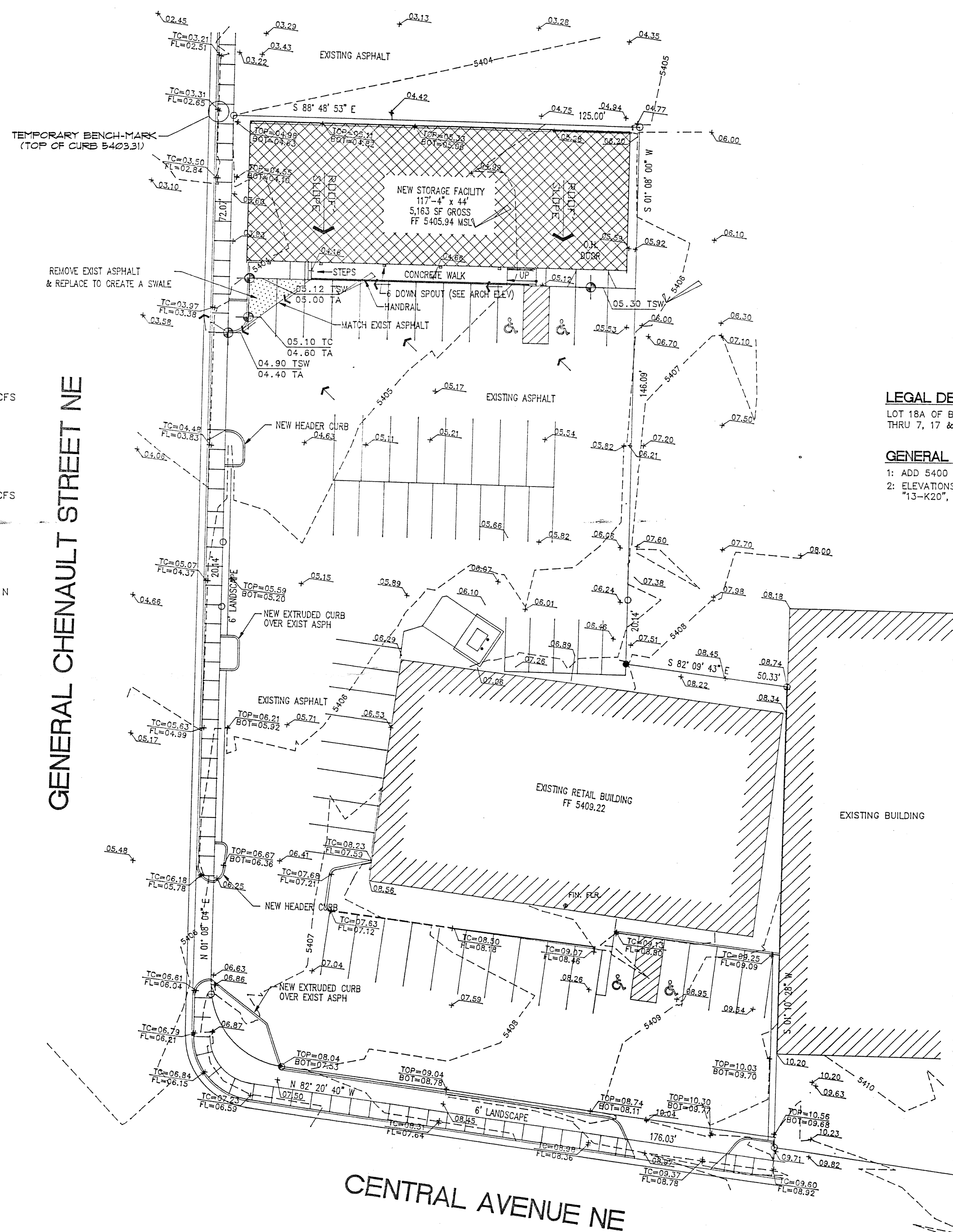
EROSION CONTROL MEASURES:

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.

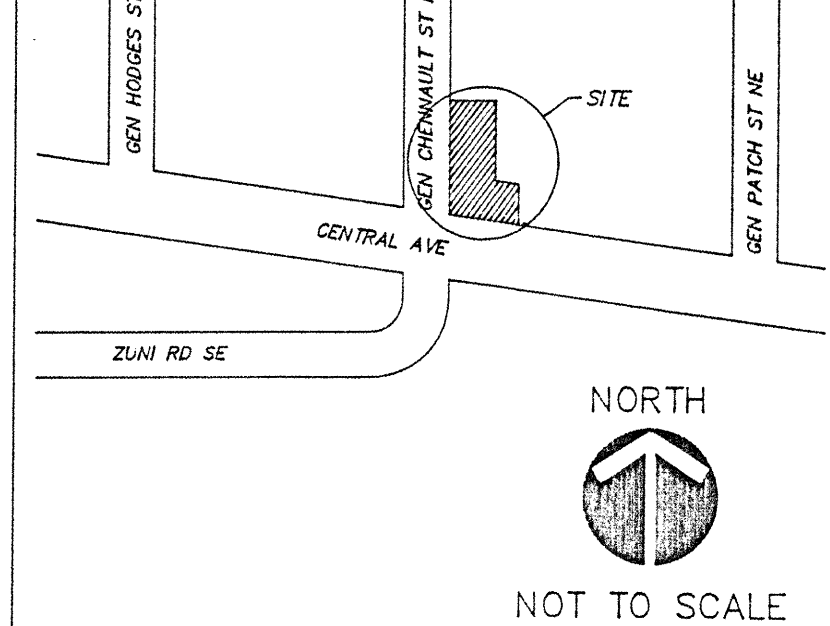
NOTE TO CONTRACTOR

- 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 Interim Standard Specification for Public Works Construction 1985.
- 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 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.



ZONE ATLAS

K-20



LEGAL DESCRIPTION:

LOT 18A OF BLOCK 7 OF THE WAGGOMAN-DENISON ADDITION (FORMERLY LOTS 1 THRU 7, 17 & 18 AND LOT X OF BLOCK 7 OF THE WAGGOMAN-DENISON ADDITION).

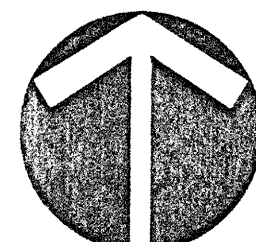
GENERAL NOTES:

- ADD 5400 TO SPOT ELEVATIONS TO SHOW TRUE ELEVATION.
- ELEVATIONS SHOWN ARE BASED ON CITY OF ALBUQUERQUE CONTROL STATION "13-K20", HAVING AN ELEVATION OF 5407.974.

LEGEND

- CONCRETE CURBING
- TC = TOP OF CURB
- FL = FLOW LINE
- TRRT = TOP OF RAILROAD TIES
- TA = TOP OF ASPHALT
- WATER VALVE
- SANITARY SEWER MANHOLE
- PHONE RISER
- CABLE BOX
- POWER POLE
- ANCHOR
- PROPOSED ELEVATION (Verified As-Built Elevation)
- PROPOSED FLOW DIRECTION

North



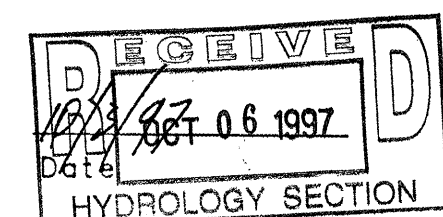
GRADING/DRAINAGE PLAN

SCALE: 1"=20.0'

CERTIFICATION

I, R.G. Lee, Jr., Registered Professional Engineer hereby certify the improvements shown hereon are in substantial compliance with the approved drainage plan.

R.G. LEE, JR.



Storage Facility for Santa Fe Tool Company

9307 CENTRAL AVENUE NE, ALBUQUERQUE, NEW MEXICO
DEVELOPED BY: B + C CONSTRUCTION + DRILLING COMPANY, INC.
9216 5050 AVENUE, SE, ALBUQUERQUE, NM 87123 • (505) 242-7707

KEN HOVEY, ARCHITECT
1501 255-9400 • FAX 1501 255-4756 • 3808 5000 AVE. SE • ALBUQUERQUE, NM • 87106

JOB NO:	9636
DATE:	17 DECEMBER 1996
REVISIONS	

SHEET NO.

C-2