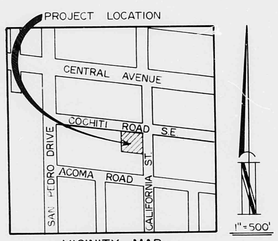
HYDROLOGY K18 /D45 3 PLANS

TALOS LOG NO. 03-10-1049

REPLAT OF LOTS 11, 12 AND 13, BLOCK 8 FAIRGROUNDS ADDITION NOW COMPRISING TRACT A, BLOCK 8

ALBUQUERQUE, NEW MEXICO
MARCH, 1987

RECEIVED
MAR 23 1987
HYDROLOGY SECTION



VICINITY MAP

SUBDIVISION DATA

1. CASE NO. DRB 87-182
2. ZONE ATLAS INDEX NO. K-18
3. GROSS ACREAGE .04892 ACRES
4. TOTAL NUMBER OF LOTS CREATED 1 LOT.
5. TOTAL MILEAGE OF FULL WIDTH STREETS CREATED 0 MILES.
6. NO FIELD WORK WAS PERFORMED.

NOTES

1. PLAT WAS COMPILED FROM EXISTING RECORDS.
2. BEARINGS ARE WITH REFERENCE TO FAIRGROUNDS ADDITION, FILED 1/26/37, BOOK C-1, PAGE 105.
3. THE PURPOSE OF THIS PLAT IS TO MAKE ONE TRACT FROM THREE LOTS.

APPROVAL AND FILING WITH THE COUNTY CLERK OF BERNALILLO COUNTY OF THIS PLAT DOES NOT VACATE OR IN ANY WAY ADVERSELY AFFECT ANY PUBLIC OR PRIVATE EASEMENTS.

FREE CONSENT

THE FOREGOING PLAT OF THAT CERTAIN TRACT OF LAND SITUATE WITHIN THE CITY OF ALBUQUERQUE, NEW MEXICO BEING LOTS 11, 12 AND 13, BLOCK 8, FAIRGROUNDS ADDITION AS SHOWN ON THE PLAT FILED IN THE OFFICE OF THE BERNALILLO COUNTY CLERK ON JANUARY 26, 1937 IN VOLUME C-1, FOLIO 105, NOW REPLATTED AS TRACT A, AS SHOWN AND DELINEATED HEREON. WE THE OWNERS OF THE PROPERTY SHOWN HEREON, AFFIRM THAT THIS PLAT IS OUR PLAN OF SUBDIVISION WITH FREE CONSENT AND IN ACCORDANCE WITH OUR DESIRES.

William G. Roberts
WILLIAM G. ROBERTS

ACKNOWLEDGEMENT

STATE OF NEW MEXICO)
COUNTY OF BERNALILLO) SS

OFFICIAL SEAL
SANDY L. CHAVEZ
NOTARY PUBLIC - STATE OF NEW MEXICO
MY COMMISSION EXPIRES 7-25-90

SUBSCRIBED AND SWORN TO BEFORE ME THIS 13th DAY OF March, 1987.

NOTARY PUBLIC: Sandy L. Chavez

MY COMMISION EXPIRES: 7-25-90

APPROVED AND ACCEPTED BY

PLANNING DIRECTOR, CITY OF ALBUQUERQUE, N.M. DATE

CITY _____ COUNTY _____

APPROVAL: CITY ENGINEER, ALBUQUERQUE, N.M. DATE

APPROVAL: A.M.F.C.A., ALBUQUERQUE, N.M. DATE

APPROVAL: for CITY SURVEYOR, ALBUQUERQUE, N.M. 031887 DATE

APPROVAL: TRAFFIC ENGINEER, ALBUQUERQUE, N.M. DATE

APPROVAL: WATER RESOURCES, ALBUQUERQUE, N.M. DATE

APPROVAL: PARKS & RECREATION, ALBUQUERQUE, N.M. DATE

APPROVAL: PROPERTY MANAGEMENT, ALBUQUERQUE, N.M. DATE

SURVEY CERTIFICATE

I, LOUIS W. GROSS, UNDER THE LAWS OF NEW MEXICO, AFFIRM THAT I AM A REGISTERED LAND SURVEYOR, AND CERTIFY THAT THIS PLAT WAS PREPARED BY ME, OR UNDER MY SUPERVISION AND DIRECTIONS; SAID PLAT SHOWS ALL EASEMENTS OF RECORD, MEETS THE MINIMUM REQUIREMENTS FOR MONUMENTATION AND SURVEYS OF THE ALBUQUERQUE SUBDIVISION ORDINANCE, AND IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Louis W. Gross 3/13/87
LOUIS W. GROSS DATE
NMPE & LS #4100
925 6TH ST. N.W., SUITE 3, ALBUQ., N.M.

ACKNOWLEDGEMENT

STATE OF NEW MEXICO)
COUNTY OF BERNALILLO) SS

SUBSCRIBED AND SWORN TO BEFORE ME THIS 13th DAY OF March, 1987.

NOTARY PUBLIC: Sandy L. Chavez

MY COMMISION EXPIRES 7-25-90

7-25-90

LOGAN/GROSS & ASSOCIATES, INC.
CONSULTING CIVIL ENGINEERS
925 6TH ST. N.W. SUITE 3 243-6353
ALBUQUERQUE, NEW MEXICO 87102

PLAT	FILE # SH-221
FOR WILLIAM G. ROBERTS	DATE 3/12/87
AT	DRAWN C.L.L.
ALBUQUERQUE, N.M.	SHEET 1 OF 1

CITY OF ALBUQUERQUE

CITY OF ALBUQUERQUE
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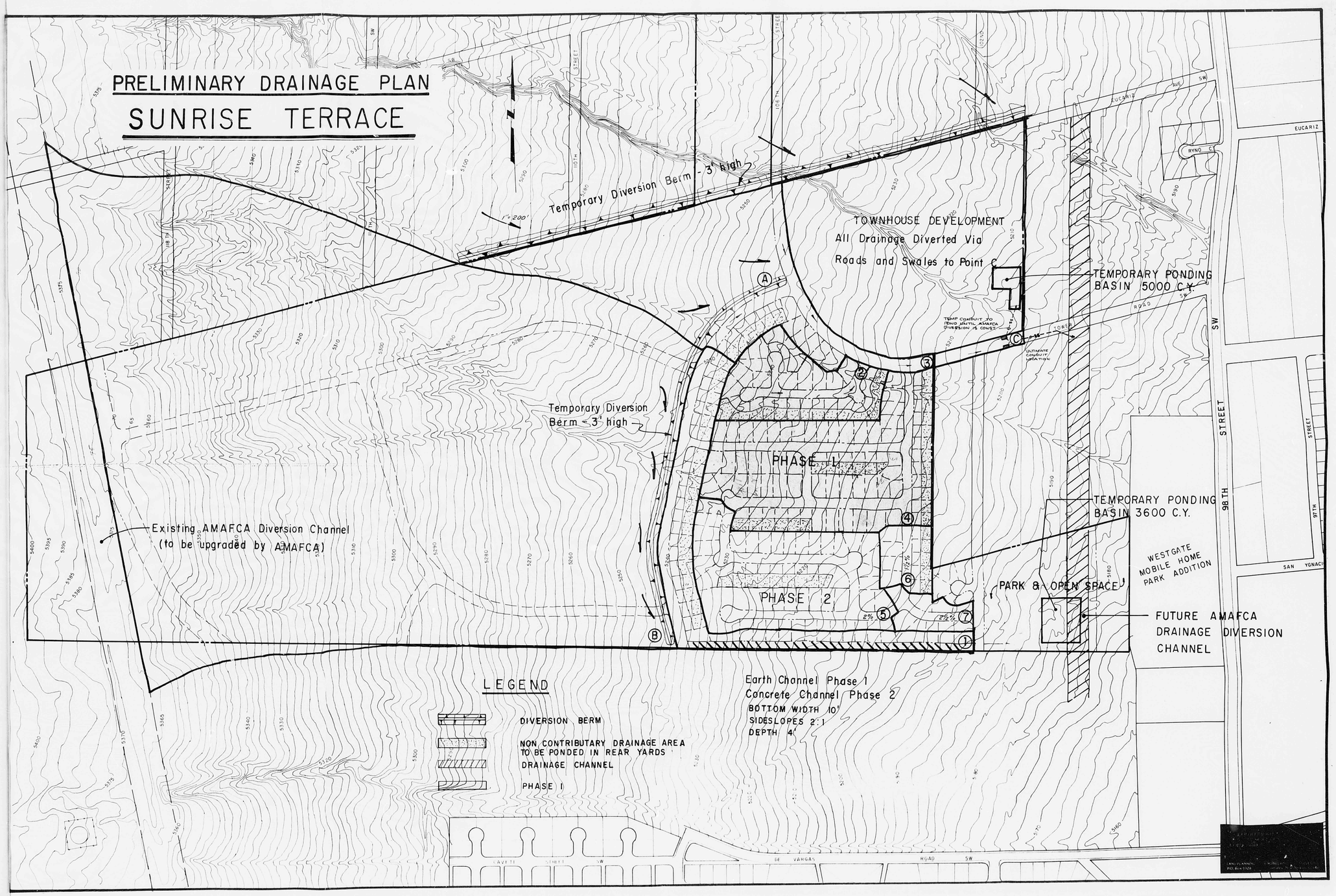
PRELIMINARY DRAINAGE PLAN
SUNRISE TERRACE



THIS PLAN SHOT TWICE
ONCE ON LIGHT AND
ONCE ON DARK.

CITY OF ALBUQUERQUE
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CITY OF ALBUQUERQUE

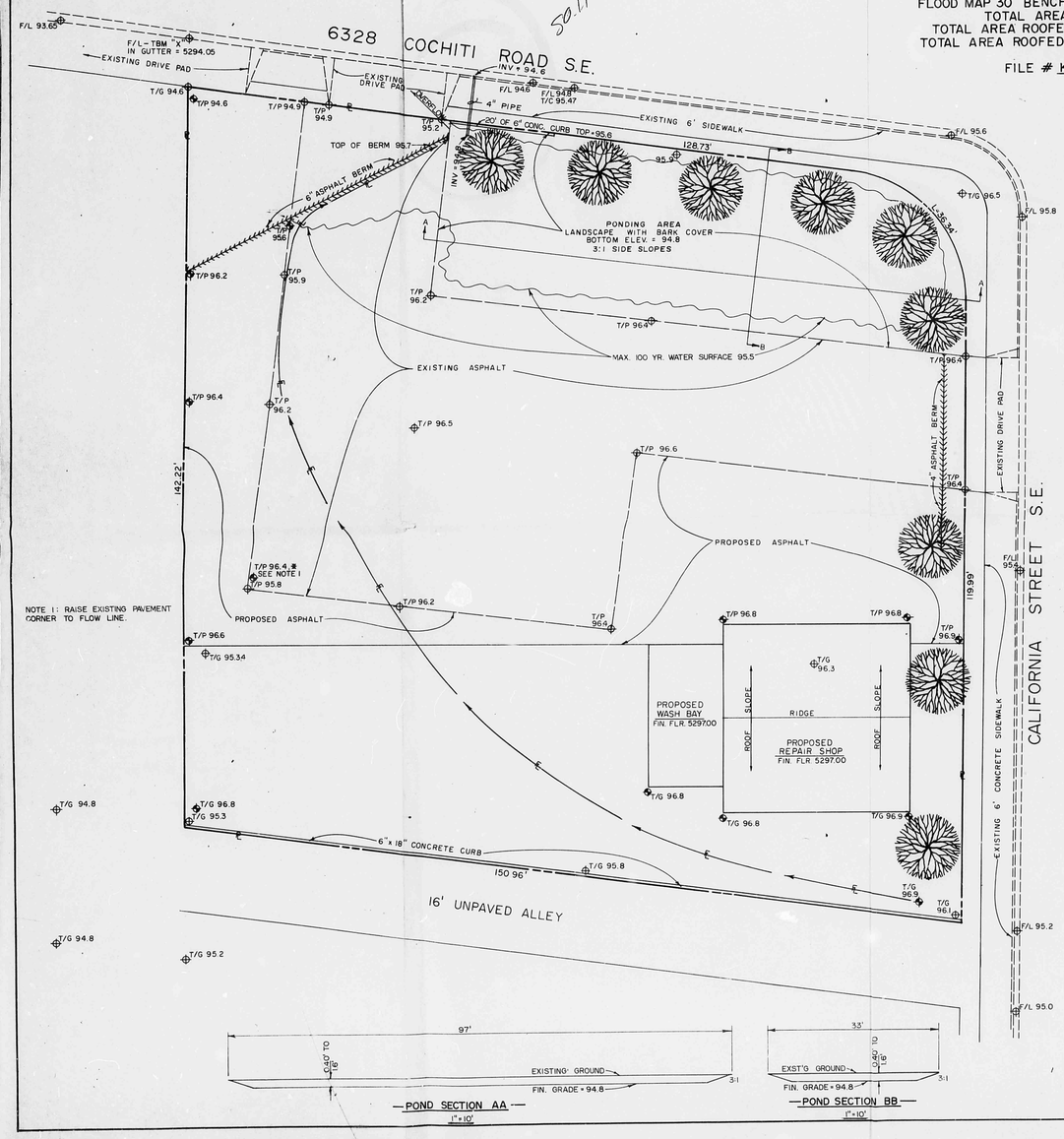
C D

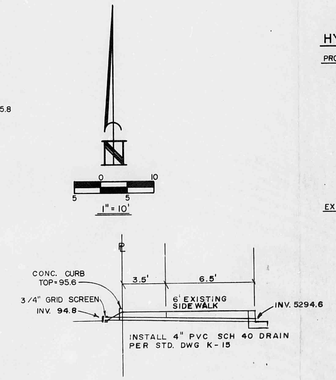
DRAINAGE PLAN

TRACT "A", BLOCK 8, FAIRGROUNDS ADDITION
ALBUQUERQUE, NEW MEXICO

FLOOD MAP 30 BENCHMARK 5-K18B ELEV. 5290.33 SOIL TYPE "B"
TOTAL AREA: 21,300 SQ. FT. = 0.489 ACRES
TOTAL AREA ROOFED OR PAVED, EXISTING = 6,707 SQ. FT. = 31 %
TOTAL AREA ROOFED OR PAVED, PROPOSED = 13,302 SQ. FT. = 62 %

FILE # K18/D ____ APPROVED ____





—DRAIN CROSS SECTION—
1/4" = 1'-0"

HYDROLOGY

PROPOSED:

LANDSCAPE =	3,232	x .25	=	808
NATURAL GROUND =	4,776	x .40	=	1910
ROOF =	1,674	x .90	=	1,507
ASPHALT =	11,628	x .95	=	11,047
	21,310			15,272

PERCENT IMPERVIOUS = 62 % CN = 80 100 YR. – 6 HR. = 2.35"
DIRECT RUN OFF = 0.75"
V = 0.75 / 12 x 21,310 = 1332 CU. FT. REQUIRED
I = 2.35 x 2.3 = 5.4 C = 14,857 / 21,310 = 0.70
Q = 0.4892 x 0.70 x 5.4 = 1.8 C.F.S.
POND SIZE: V = 90 x 27 x 0.40 = 972 CU. FT.
OVER FLOW = 1332 – 972 = 360 C.F.

EXISTING:

NATURAL GROUND =	14,603	x .40	=	5,481
ASPHALT =	6,707	x .90	=	6,036
	21,310			11,517

C = 0.54 I = 2.35 x 2.3 = 5.4
Q = 0.4892 x 0.50 x 5.4 = 1.43 C.F.S. CN = 70
PERCENT IMPERVIOUS = 0.31
DIRECT RUN OFF = .45"
EXISTING OVERFLOW VOLUME: V = 21,310 x 0.45" / 12" = 799 C.F.

EROSION CONTROL NOTES

THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE TO THE FOLLOWING

1. NO SEDIMENT – BEARING WATER SHALL BE ALLOWED TO DISCHARGE THE SITE DURING CONSTRUCTION.
2. DURING GRADING OPERATIONS AND UNTIL THE PROJECT HAS BEEN COMPLETED ALL, ADJACENT PROPERTY, RIGHTS-OF-WAY, AND EASEMENTS SHALL BE PROTECTED FROM FLOODING.
3. ANY AND ALL SEDIMENTATION ORIGINATING ON THE SITE WHICH IS DEPOSITED WITHIN PUBLIC RIGHT-OF-WAY SHALL BE PROMPTLY AND COMPLETELY REMOVED BY THE CONTRACTOR.
4. CONTROL OF SEDIMENT-LADEN FLOOD WATERS WILL BE ACCOMPLISHED BY THE USE OF A COMPACTED EARTH BERM AT LEAST 12" HIGH. BERM SHALL BE LOCATED ALONG THE DOWNSTREAM PERIMETERS OF THE PROPERTY.

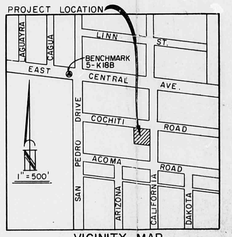
NOTICE TO CONTRACTOR

1. An excavation/construction permit will be required before beginning any work within City right-of-way. An approved copy of these plans will be required at the time of application for this permit.
2. All work outside of these plans to be performed, except as otherwise noted or provided herein, shall be constructed in accordance with the City of Albuquerque Interim Criteria Specifications for Public Works Construction (S.C.).
3. Two working days prior to any excavation, contractor must contact Line Location Service, 766-1234, for location of existing utilities.
4. Prior to construction, the contractor shall examine the site of the work and shall be familiar with all conditions. Should a conflict exist, the contractor shall notify the engineer so that the conflict can be resolved with a minimum amount of delay.
5. Backfill compaction shall be according to arterial street use.
6. Maintenance of these facilities will be the responsibility of the Owner of the property served.

APPROVALS	NAME	DATE
A.C.E. /Design	B. Montoya	4/13/87
Inspector	Joe Chavez	4-14-87
A.C.E. /Field	[illegible]	4-17-87

Permit # 37505

PROJECT LOCATION



VICINITY MAP
ZONE MAP K-18-Z

LEGEND

PROPERTY LINE
FLOW DIRECTION
EXISTING CURB & GUTTER
EXISTING SPOT ELEVATION
PROPOSED SPOT ELEVATION

PRIVATE DRAINAGE FACILITIES WITHIN THE CITY RIGHT-OF-WAY

DESIGN APPROVAL _____ Hydrology Section _____ Date
INSPECTION APPROVAL _____ Transportation Division _____ Date
ACCEPTANCE _____ Construction Mgt. Div. _____ Date

ROUTE AS-BUILT DWG. TO MAPS & RECORDS
ROUTE 1-COPY OF AS-BUILT TO HYDROLOGY SECTION

LOGAN W. GROSS
NEW MEXICO
4188
REGISTERED PROFESSIONAL ENGINEER

3/23/87

RECEIVED
APR 07 1987
HYDROLOGY SECTION

REVISED 4/3/87

LOGAN / GROSS & ASSOCIATES, INC.
CONSULTING CIVIL ENGINEERS
523 5TH ST. NW SUITE 3 243-5353
ALBUQUERQUE, NEW MEXICO 87102

WAREHOUSE / OFFICE	FILE # H-221
FOR ROBERTS OIL CO.	DATE 3-16-87
AT 6328 COCHITI RD. S.E.	DRAWN C.B.
ALBUQUERQUE, N.M.	SHEET 1 OF 1

K18/D45

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K18/D45

2 Plans

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CITY OF ALBUQUERQUE

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