

FILE COPY



City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

MAYOR
KEN SCHULTZ

CHIEF
ADMINISTRATIVE OFFICER

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FRANK MARTINEZ

DEPUTY CAO
PLANNING/DEVELOPMENT

BILL MUELLER

February 22, 1988

Butch Gerbrandt
Bohannon-Huston, Inc.
7500 Jefferson Street, NE
Albuquerque, New Mexico 87109

RE: DRAINAGE PLAN FOR TEMPORARY ROAD & DRAINAGE IMPROVEMENTS
AF/NMRPMC & CLINIC RECEIVED DECEMBER 22, 1987 (M-17/D1)

Dear Mr. Gerbrandt:

The above referenced plan dated December 21, 1987, is approved for private drainage improvements within City rights-of-way.

Should you have any questions, please call me at 768-2650.

Cordially,

Carlos A. Montoya, P.E.
City/County Floodplain Administrator

CAM/bsj



DEPARTMENT OF THE AIR FORCE
HEADQUARTERS 1606TH AIR BASE WING (MAC)
KIRTLAND AIR FORCE BASE, NEW MEXICO 87117 - 5000

ENGINEERING, CONSTRUCTION & DEVELOPMENT DIRECTORATE

8 FEB 1988

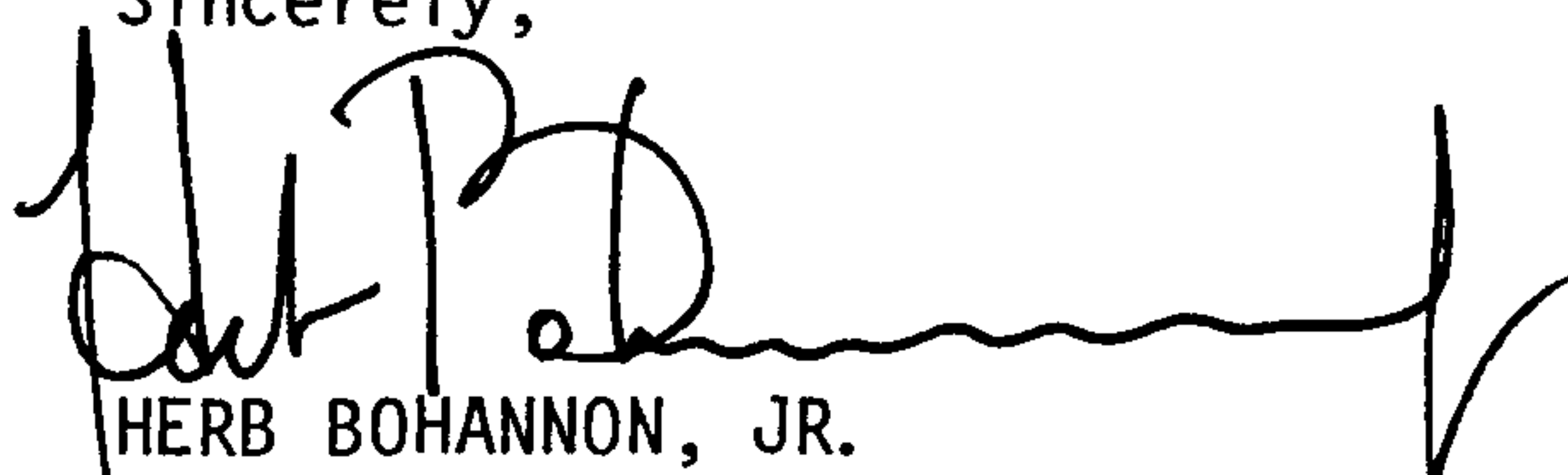
Mr. Carlos Montoya
Utility Development-Hydrology
City of Albuquerque
P.O. Box 1293
Albuquerque, New Mexico 87103

Re: AF/NMRFMC Access Road

Dear Mr. Montoya:

The purpose of this letter is to confirm that Kirtland Air Force Base will maintain the facilities shown on the project drawings entitled "KLD 196-7, Construct Access Road AF/NMRFMC Clinic". If the City of Albuquerque has any concerns about such maintenance in the future, please contact the Kirtland Design Center, 1606 ABW/DEE, Kirtland AFB, (505) 844-8205.

Sincerely,



HERB BOHANNON, JR.
Director

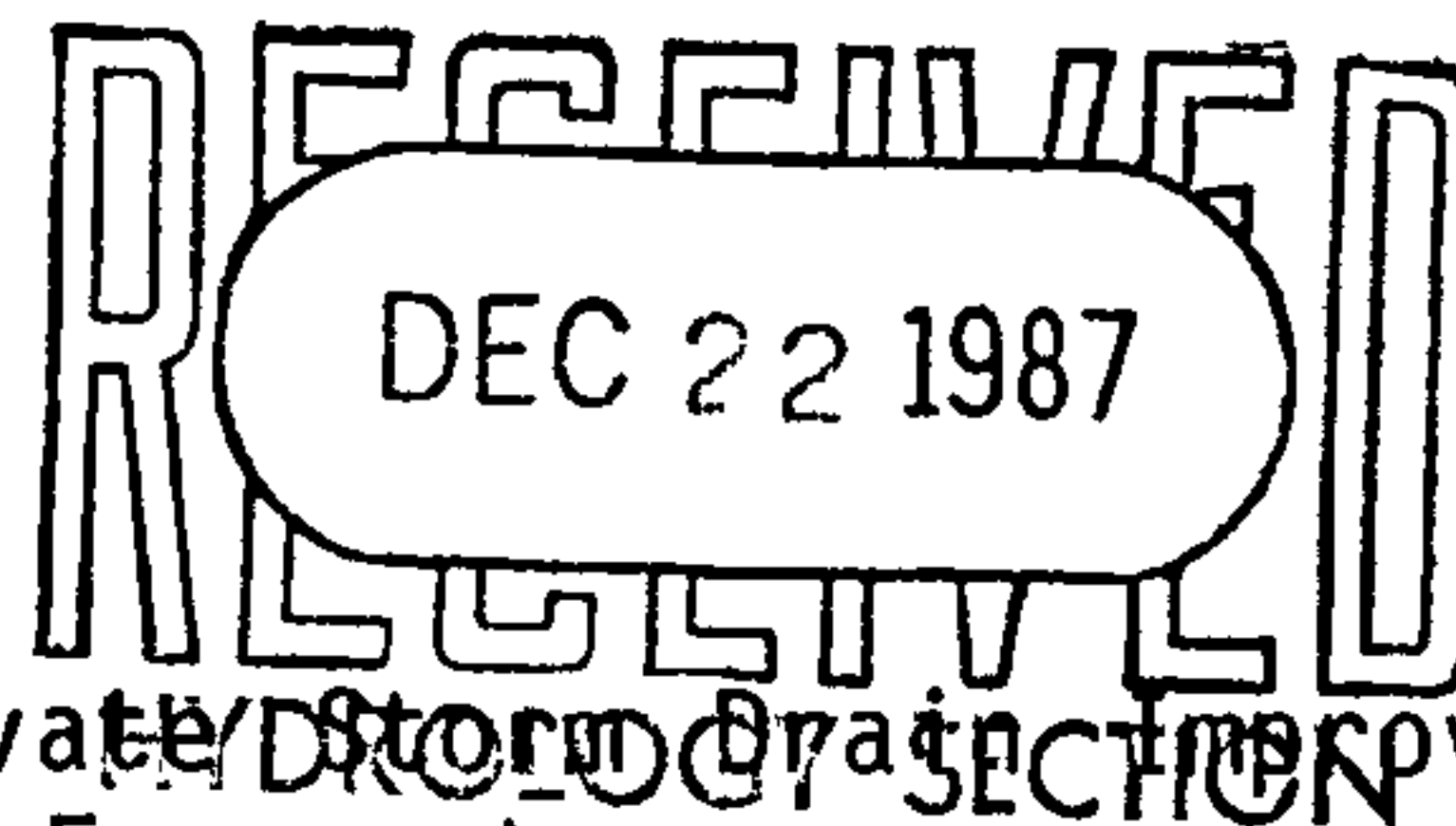
cc: Bohannon-Huston, Inc.



MAC--THE BACKBONE OF DETERRENCE

December 16, 1987

Mr. Fred Aguirre
Utility Development Hydrologist
City of Albuquerque
P.O. Box 1293
Albuquerque, NM 87103



Re: Temporary Driveway Permit and Private Storm Drain Improvements within City Rights-of-Way and Easements.

Dear Mr. Aguirre:

Kirtland Air Force Base has retained the services of Bohannon-Huston, Inc. to design a temporary construction access road in the vicinity of the intersection of Gibson and San Mateo Boulevards. We are applying for a Temporary Driveway Permit with Dave Harmon of the City of Albuquerque's Traffic Engineering Division for a temporary curb cut (approximately 2 years) on the south side of Gibson approximately 300' west of San Mateo (see enclosed Sheets 1-4 of 9 of preliminary plan set).

The planned gravel road, while increasing the impervious area only slightly, does concentrate the flows, resulting in increased runoff. In order to restrict the flows entering Gibson to pre-development discharge or less, a small detention pond and related facilities will be constructed. A small portion of these accompanying facilities will be located on City right-of-way on the south side of Gibson, necessitating a Special Order 19 review. The following paragraphs explain the drainage portion of the project.

Our hydrologic analysis shows an increase in runoff from the affected area from 3.6 cfs to 5.4 cfs for the 100-year storm. This discharge will be directed to a small detention pond shown on Sheet 4 of 9 in the plan set. The pond has an approximate capacity of 0.31 ac-ft with 2 feet of freeboard. An 8" CMP will discharge from the pond at a maximum rate of 1.5 cfs onto an asphalt apron. The apron will spread the water and discharge it to an existing 22' wide drivepad. The drivepad will then release the flow into the Gibson gutter, as shown on the plans. The gutter has a slope of 0.024 ft./ft. at this point, so the pond discharge should be quickly redirected down the gutter. Approximately 5' of the 8" CMP and the asphalt apron will be located in City right-of-way between the Kirtland fence and the existing drivepad at Gibson.

The 100-year runoff volume for the detention pond watershed was calculated to be 0.22 ac-ft. Therefore, the entire volume could be stored behind the detention pond without compromising the freeboard, should the outlet pipe be plugged. The discharge from the pond will be cleaner than the existing discharge, as sediment will drop out in the detention pond.

PRINCIPALS

LARRY W. HUSTON
MICHAEL M. EMERY, PE

DANA C. WOOD, PE
ANDRES ARAGON-VIAMONTE
DARRELL L. WADE, PE

JAMES V. DOMENICK, PE
BRIAN G. BURNETT, PE

BOHANNAN-HUSTON INC.



COURTYARD I, 7500 JEFFERSON STREET, N.E. ALBUQUERQUE, NEW MEXICO 87109 (505) 823-1000
UNIVERSITY PLAZA, SUITE 104, 330 GARFIELD SANTA FE, NEW MEXICO 87501 (505) 988-7671
6713 VISCOUNT BLVD EL PASO, TEXAS 79925 (915) 778-4491

Phone comment
to Butch. We
needed documentation
that base will
maintain. SO #19.

CAM

1-15-88

Mr. Fred Aguirre
December 16, 1987
Page 2

The 8" CMP, as well as the apron conveying and spreading the flow from the pipe to the drivepad, will be near or on the surface and should not conflict with any buried utilities in the area (see Sheet 3 of 9).

In summary, the drainage solution presented in the plans and discussed in this letter will reduce the current discharge and sediment load from the affected area.

City DPM requirements for "Private Storm Drain Improvements within City Rights-of-Way and Easements" call for inclusion of five "Notice to Contractor" notes. Notes #3 and #4 are incorporated in the General Notes in the Plans. Note #1 will be added to the drainage plan sheet showing the construction on City right-of-way. Notes #2 and #5 are not acceptable to Kirtland AFB in their DPM form. All work for this project will be performed under the "New Mexico State Highway Department Standard Specifications for Road and Bridge Construction, 1984" guidelines. KAFB would prefer to build the entire job, including the very small portion located on City right-of-way, under one set of specifications. We hope this is agreeable to the City.

The plan set submitted with this letter is preliminary and a final set can be submitted to you if required. Please call me with any questions or comments.

Sincerely,



Butch Gerbrandt, P.E.
Water Resources Department

Enclosures

cc: Mel Dahlberg

BG/cs
Job No. 87361.20

DRAINAGE INFORMATION SHEET

CONSTRUCT ACCESS ROAD

PROJECT TITLE: AF/NMRFMC & CLINIC (ZONE ATLAS/DRNG. FILE #: M17/D1)

LEGAL DESCRIPTION: _____

CITY ADDRESS: SW corner of Gibson & San MateoENGINEERING FIRM: Bohannon-Huston, Inc. CONTACT: Butch GerbrandtADDRESS: 7500 Jefferson NE PHONE: 823-1000 Ext. 312OWNER: KIRTLAND AF BASE CONTACT: Herbert C. Bohannon, Jr.ADDRESS: KAFB, 1606 ABW/DEE, Albug. PHONE: 844-8205ARCHITECT: N/A CONTACT: _____

ADDRESS: _____ PHONE: _____

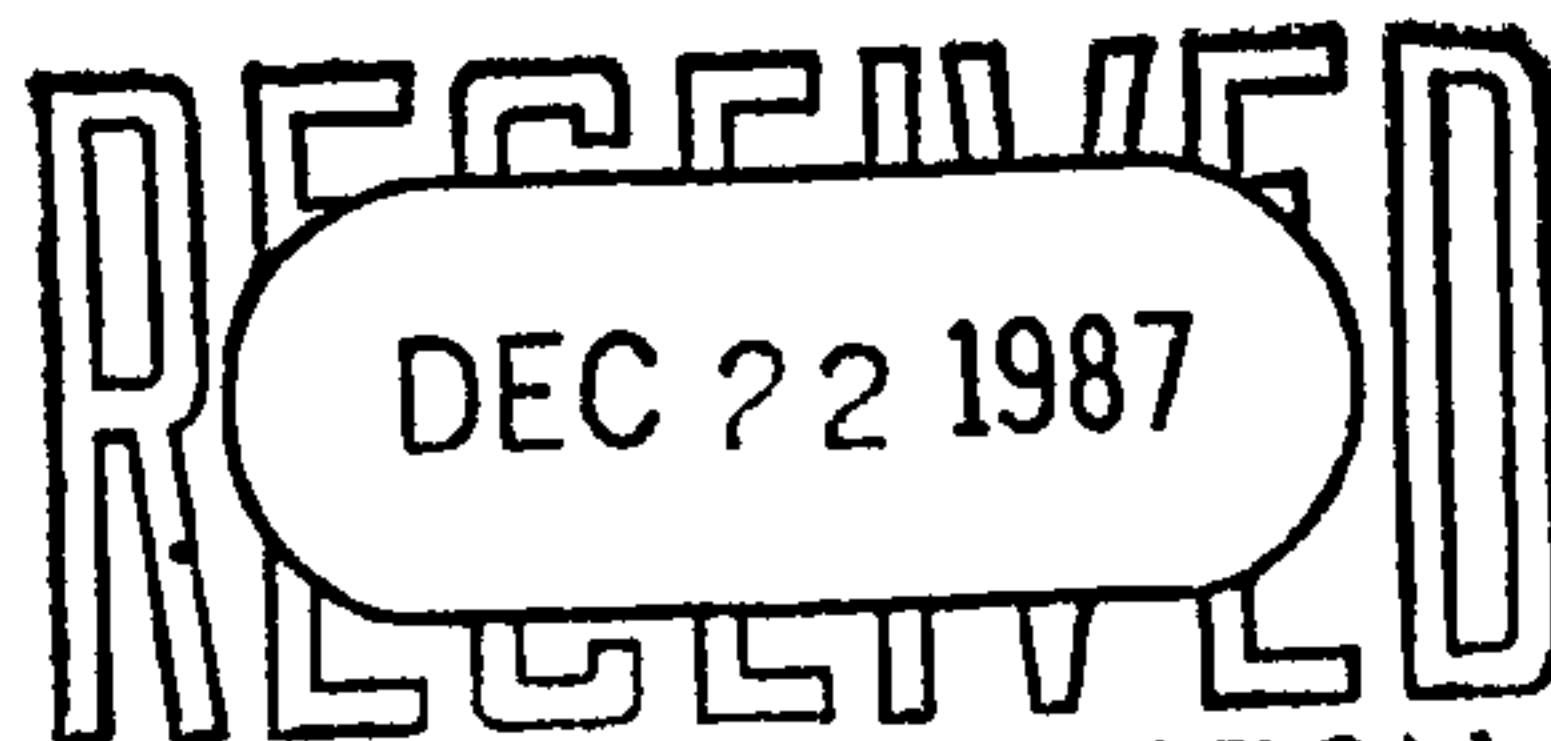
SURVEYOR: Bohannon-Huston CONTACT: _____

ADDRESS: _____ PHONE: _____

CONTRACTOR: TO BE B/D CONTACT: _____

ADDRESS: _____ PHONE: _____

PRE-DESIGN MEETING:

☐ YES☒ NO☐ COPY OF CONFERENCE RECAP
SHEET PROVIDED

HYDROLOGY SECTION

DRB NO. _____

EPC NO. _____

PROJ. NO. _____

TYPE OF SUBMITTAL:

☐ DRAINAGE REPORT☒ DRAINAGE PLAN☐ CONCEPTUAL GRADING & DRAINAGE PLAN☐ GRADING PLAN☐ EROSION CONTROL PLAN☐ ENGINEER'S CERTIFICATION

CHECK TYPE OF APPROVAL SOUGHT:

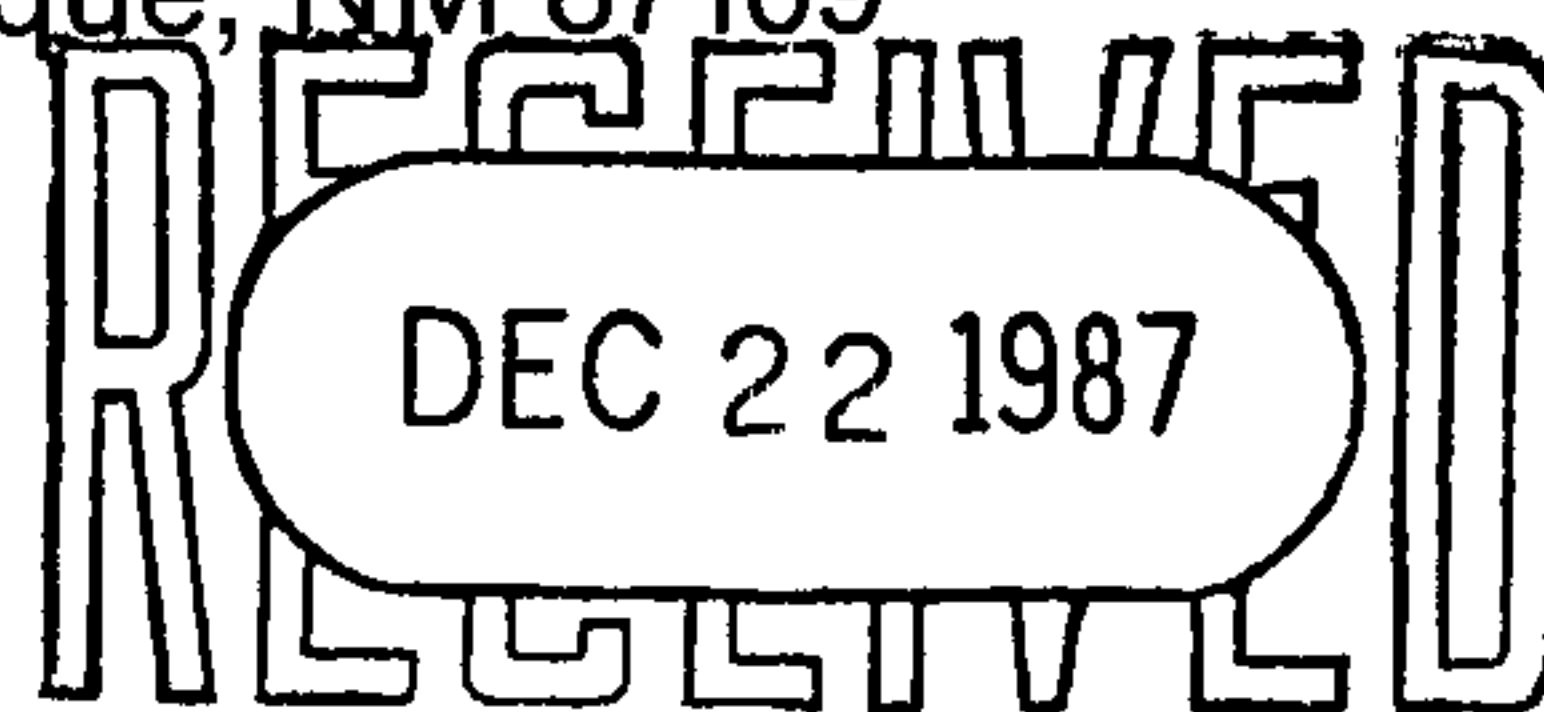
☐ SKETCH PLAT APPROVAL☐ PRELIMINARY PLAT APPROVAL☐ SITE DEVELOPMENT PLAN APPROVAL☐ FINAL PLAT APPROVAL☐ BUILDING PERMIT APPROVAL☐ FOUNDATION PERMIT APPROVAL☐ CERTIFICATE OF OCCUPANCY APPROVAL☐ ROUGH GRADING PERMIT APPROVAL☐ GRADING/PAVING PERMIT APPROVAL☒ OTHER TEMP. DRIVEWAY (SPECIFY)☒ PERMIT
PRIVATE STORM DRAINAGE IMPROVEMENT
WITHIN CITY RIGHT-OF-WAYDATE SUBMITTED: 12-16-87BY: BUTCH GERBRANDT, BOHANNON-HUSTON



BOHANNAN-HUSTON INC.

Courtyard I 7500 Jefferson Street, N.E. Albuquerque, NM 87109
(505) 823-1000

Transmittal



To: Utility Development Hydrology
4th Floor City Hall
400 Marquette

HYDROLOGY SECTION
☐ Parcel post ☒ Messenger
☐ First Class ☐ UPS
☐ Express Mail ☐ Air Freight
☐ Bus ☐ _____

Attention: BARBARA

Date: 12-22-87

Our job number: 87361.20

Your job number: _____

Job: CONSTRUCT ACCESS ROAD, AF/NMRFMC & CLINIC

We are enclosing:	For:
<u>2 Blue line plan sheets</u>	_____
_____	_____
_____	_____
_____	_____
_____	_____

Comments: With a letter dated December 16, 1987,
I submitted plan sheets 1-4 of this job. You
called requesting a clearer vicinity map
and an engineer's stamp. You will find them on
the attached plan sheets.

By: Butch Gerbrandt thank you

Rec'd by: Barbara Jones

Date: 12/22/87

☒ Please Return Signed Yellow Copy



BOHANNAN-HUSTON INC.

Courtyard I 7500 Jefferson Street, N.E. Albuquerque, NM 87109
(505) 823-1000

Transmittal

To: City of Albug - Utility Hydro
4th floor
400 Marquette

<input type="checkbox"/> Parcel post	<input checked="" type="checkbox"/> Messenger
<input type="checkbox"/> First Class	<input type="checkbox"/> UPS
<input type="checkbox"/> Express Mail	<input type="checkbox"/> Registered Mail
<input type="checkbox"/> Bus	<input type="checkbox"/> _____

RECEIVED
DEC 22 1987
HYDROLOGY SECTION

Attention: Fred Aguirre

Date: 12-16-87

Our job number: 87361.20

Your job number: _____

Job: Construct Access Road AF/NMRFMC CLINIC

We are enclosing:	For:
<u>1 Cover letter</u>	<u>Fred Aguirre</u>
<u>1 Drainage Info Sheet</u>	<u>" "</u>
<u>1 Plan Set, shts 1-4 of 9</u>	<u>" "</u>
_____	_____
_____	_____

Comments: _____

By: Barbara Juarez thank you

Rec'd by: Barbara Juarez

Date: 12/17/87

☒ Please Return Signed Yellow Copy