PUBLIC WORKS/HYDROLOGY

L8/D9

0000 0000 2005

L8/D9

25×10

0000 0000 2006

FILE COPY

City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

MAYOR
KEN SCHULTZ

CHIEF ADMINISTRATIVE OFFICER
GENE ROMO

DEPUTY CAO PUBLIC SERVICES
FRANK MARTINEZ

DEPUTY CAO PLANNING/DEVELOPMENT
BILL MUELLER

February 22, 1988

Joann English, P.E.
Leedshill-Herkenhoff, Inc.
Post Office Box 1217
Albuquerque, New Mexico 87103

RE: GRADING PLAN OF DON COMMUNICATION BUILDING RECEIVED FEBRUARY 17, 1988 FOR BUILDING PERMIT APPROVAL (L-8/D9)

Dear Ms. English:

The above referenced submittal dated February 17, 1988, is approved for Building Permit sign-off by Hydrology. Include this approved plan with the construction sets routed for sign-off.

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

Cordially,

Roger A Green, PE

Roger A. Green, P.E.
C.E./Hydrology Section

RAG/bsj

AN EQUAL OPPORTUNITY EMPLOYER

25×10

0000 0000 2007

LEEDSHILL – HERKENHOFF, INC.
Copper Square
P.O. Box 1217
Albuquerque, New Mexico 87103

LETTER OF TRANSMITTAL

PROJECT: Don Communication Bldg
(name, address)

LEEDSHILL – HERKENHOFF, INC.
PROJECT NO: 1723.28

RECEIVED FEB 17 1988 HYDROLOGY SECTION

TO: Roger Green
City of Albq - Hydrology

ATTN: 4th floor City Hall

DATE: 17 Feb 88

If enclosures are not as noted, please inform us immediately.

If checked below, please:
( ) Acknowledge receipt of enclosures.
( ) Return enclosures to us.

WE TRANSMIT:
(✓) herewith ( ) under separate cover via _____
( ) in accordance with your request _____

FOR YOUR:
( ) approval ( ) distribution to parties
( ) review & comment ( ) record
(✓) use ( ) _____

THE FOLLOWING:
( ) Drawings ( ) Shop Drawings
( ) Specifications ( ) Estimates
( ) Contract Documents (✓) information discussed at our meeting
( ) Change Orders

COPIES	DATE	REV.NO.	DESCRIPTION	ACTION CODE

ACTION CODE
A. Action indicated on item transmitted
B. No action required
C. For signature and return to this office
D. For signature and forwarding as noted below under REMARKS
E. See REMARKS below

REMARKS _____

COPIES TO: (with enclosures)
Chuck Bartow ☑
☐
☐
☐
☐
☐

Thanks for your help Roger

BY: John Hughes

25 × 10

0000 0000 2008

L8/D9

INFORMATION SHEET

PROJECT TITLE Don Communication Bldg TYPE OF SUBMITTAL Bldg, Paving Permits

ZONE ATLAS PAGE NO. L-8-Z CITY ADDRESS W. Central Ave.

LEGAL DESCRIPTION attached

ENGINEERING FIRM Leedshill-Herkenhoff CONTACT JoAnn English

ADDRESS 500 Copper NW PHONE 247-0294

OWNER City of Albq - Water Resources CONTACT Larry Jentgen

ADDRESS PHONE 823-4240

ARCHITECT Leedshill-Herkenhoff CONTACT Jerry Francis

ADDRESS PHONE 247-0294

SURVEYOR Albuquerque Survey CONTACT Fred Sanchez

ADDRESS PHONE 884-2036

CONTRACTOR Greystone Construction CONTACT Jane Stuckman

ADDRESS PHONE 299-9566

DATE SUBMITTED 17 Feb 88

BY JoAnn English

RECEIVED FEB 17 1988 HYDROLOGY SECTION

attachments:
1. legal description
2. zone atlas map
3. flood hazard map
4. calculation worksheet
5. site and grading plan

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REPRODUCTION DUE TO THE POOR QUALITY
OF THE ORIGINAL DOCUMENT.

RECEIVED
FEB 17 1988
HYDROLOGY SECTION

MUNICIPAL DEVELOPMENT DEPT.
Engineering Division
Albuquerque, New Mexico

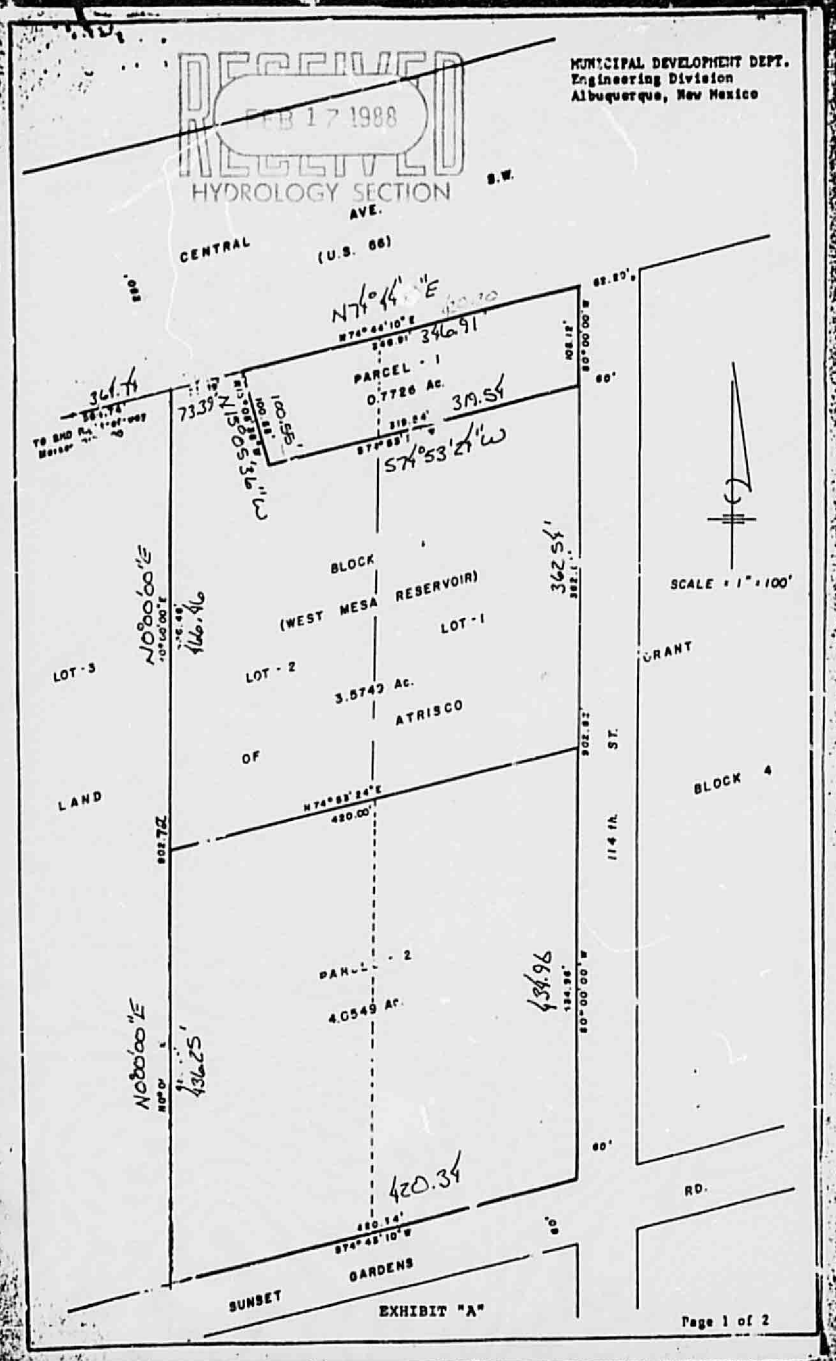

EXHIBIT "A"

Page 1 of 2

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OF THE ORIGINAL DOCUMENT.

RECEIVED
FEB 17 1988
HYDROLOGY SECTION

L-8-Z

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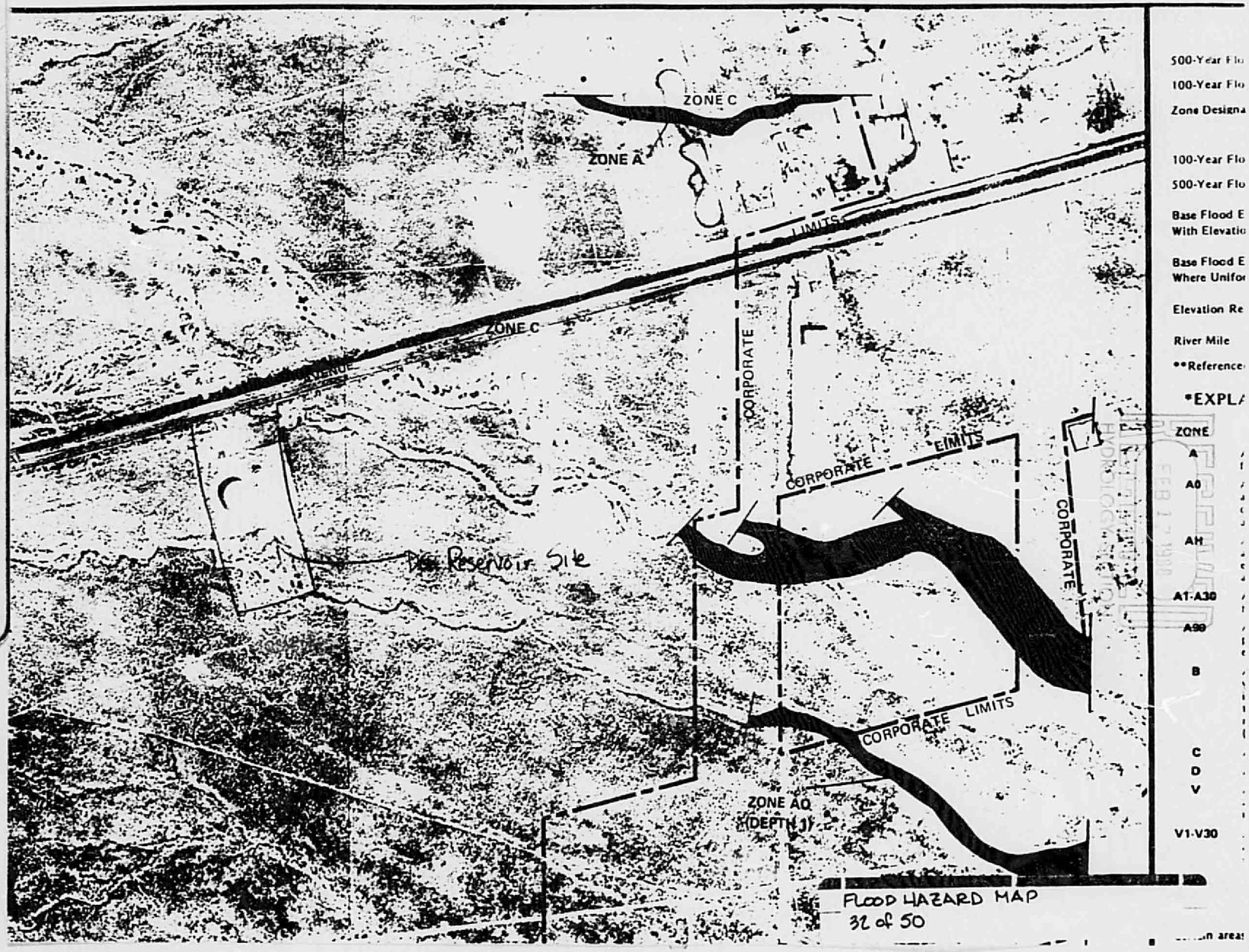

FLOOD HAZARD MAP
32 of 50

REPRODUCTION DUE TO THE POOR QUALITY OF THE ORIGINAL DOCUMENT.

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REPRODUCTION DUE TO THE POOR QUALITY OF THE ORIGINAL DOCUMENT.

LEEDSHILL-HERKENHOFF, INC. ALBUQUERQUE SANTA FE PHOENIX SAN DIEGO SAN FRANCISCO ENGINEERING COMPUTATIONS	NAME OF PROJECT: DON COMMUNICATION BLDG			SHEET NUMBER OF
	COMPUTED BY: JE	CHECKED BY:	JOB NUMBER: 1723.28	DATE: 17 FEB 88

ROUGH HYDRAULIC CALCULATIONS

$T_c = .00078 \frac{(L)^{.77}}{S^{.385}} = .00078 \frac{(140)^{.77}}{(4.5/140)^{.385}} = .13$ → USE T_c MIN OF 10 MIN.

C factors streets, walks .95
roofs .90
undeveloped .40

RECEIVED FEB 17 1988 HYDROLOGY SECTION

Rainfall 2.2" for 100yr, .657 factor for 10yr.
Parcel size = 8.4 AC
Existing impervious area = reservoir + bldg.
15840 + 460 SF = 16300 sf = .37 AC

Composite C $\left(\frac{.37}{8.4}\right).95 + \left(\frac{8.03}{8.4}\right).40 = .42$

$Q_{100} = 2.2(2.114)(.42)(8.4) = 16.4$ cfs
$Q_{10} = .657(16.4 \text{ cfs}) = 10.8$ cfs.

With additional proposed development
Additional building + paved area = 8200 sf = .19 AC
Total impervious area = .37 + .19 = .56 AC
Composite C $= \left(\frac{.56}{8.4}\right).95 + \left(\frac{7.84}{8.4}\right).40 = .06 + .37 = .43$

$Q_{100} = 2.2(2.114)(.43)(8.4) = 16.8$ cfs → additional 0.4 cfs over existing

$Q_{10} = .657(16.8) = 11$ cfs → additional 0.2 cfs over existing

25×10

0000 0000 2013

PLANS/PLATS ON FILE

FILE DESC: L8/D9

PLANS/PLATS 1

25×10

0000 0000 2014

25×10