

FILE COPY



City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

MAYOR
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ADMINISTRATIVE OFFICER
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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, P.E.
C.E./Hydrology Section

RAG/bsj

AN EQUAL OPPORTUNITY EMPLOYER

25x10

LH

LETTER OF TRANSMITTAL

BY: John Fugler

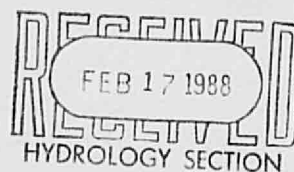
25 × 

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 Lentgen
ADDRESS _____ PHONE 823-4140
ARCHITECT Leedshill-Herkenhoff CONTACT Jerry Francis
ADDRESS _____ PHONE 247-0294
SURVEYOR Albuquerque Survey CONTACT Fred Sanchez
ADDRESS _____ PHONE 884-2036
CONTRACTOR Graystone Construction CONTACT Jane Stuckman
ADDRESS _____ PHONE 299-9566

DATE SUBMITTED 17 Feb 88
BY JoAnn English

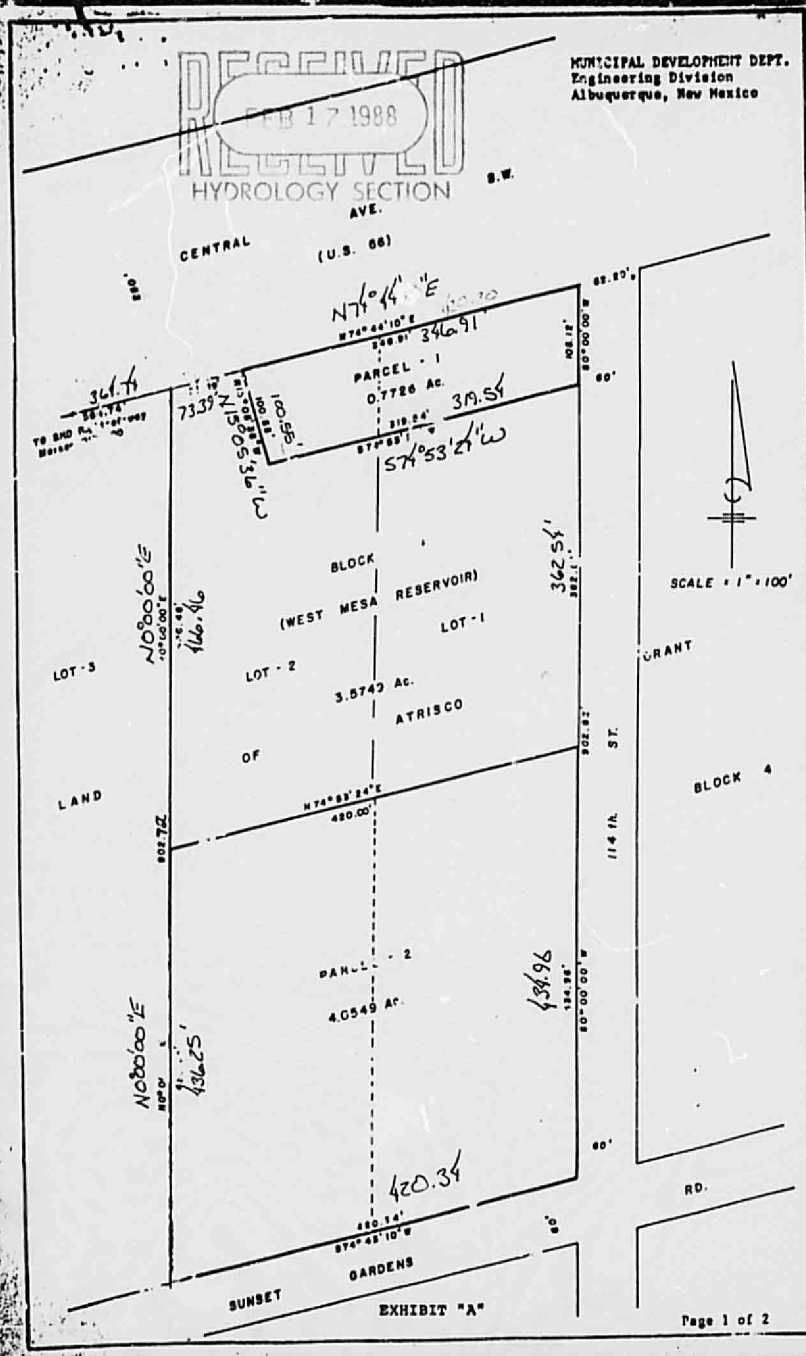


Attachments:

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

0000 0000 2009

REPRODUCTION DUE TO THE POOR QUALITY
OF THE ORIGINAL DOCUMENT.



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OF THE ORIGINAL DOCUMENT.

RECEIVED
FEB 17 1988
HYDROLOGY SECTION

1. NAME OF PROJECT
2. DATE
3. SCALE

4. SHEET NO.
5. TOTAL SHEETS

6. DRAWN BY
7. CHECKED BY

1.8-7
11.11.87



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

ROUGH HYDRAULIC CALCULATIONS

$$T_c = \frac{.00078(L)^{.77}}{S^{.385}} = \frac{.00078(140)^{.77}}{(4.7/140)^{.385}} = .13 \rightarrow \text{USE } T_c \text{ MIN OF 10 MIN.}$$

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

Rainfall 2.2" for 100 yr, .657 factor for 10 yr. HYDROLOGY SECTION

Parcel size = 8.4 AC

Existing impervious area = reservoir + bldg.
15840 + 4600 SF = 16300 SF = .37 AC

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

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

$$Q_{10} = .657(16.4 \text{ cfs}) = 10.8 \text{ cfs.}$$

With additional proposed development

Additional building + paved area = 8200 SF = .19 AC

Total impervious area = .37 + .19 = .56 AC

$$\text{Composite } C = \left(\frac{.56}{8.4}\right) \cdot .95 + \left(\frac{7.84}{8.4}\right) \cdot .40 = .06 + .37 = .43$$

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

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