HYDROLOGY H16/D20 NO PLANS

H16/D20

No Plans

Princeton Dr
N.E.

Department of Municipal Development
**City of Albuquerque**
P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

MAYOR
*David Rusk*

January 9, 1979

Mr. Lou Gross
Fred Denney & Associates, Inc.
5643 Paradise Blvd. N.W.
Albuquerque, New Mexico 87114

Re: Princeton Dr. N.E.

Dear Mr. Gross:

I have received your letter of reply dated November 22, 1978 regarding the captioned project and Mr. Heller has reviewed the plans. Some comments have been noted on the plans, and when the appropriate corrections are made, we will be able to sign off the project. Please return the copy of the plan with the comments when submitting the originals for signature.

Very truly yours,

Bruno Conegliano
Assistant City Engineer-Hydrology

BC/fs

cc - Dick Heller
Rich Leonard
Drainage File

177

FRED DENNEY & ASSOCIATES, INC.
CONSULTING ENGINEERS
5643 PARADISE BLVD., N.W.
ALBUQUERQUE, NEW MEXICO 87114
(505) 898-2457

December 15, 1978

Mr. Richard Heller
City Engineer
City of Albuquerque
P. O. Box 1293
Albuquerque, New Mexico 87103

Re: Princeton Drive N.E.
Cul-de-Sac
F.D. Job No. 267-B

Dear Dick:

Attached is a letter which was sent to Bruno quite some time ago. We had met before the letter was written and were in agreement; however, we have not received a reply. Would you please check the status of the project.

If you have any further questions, please give us a call.

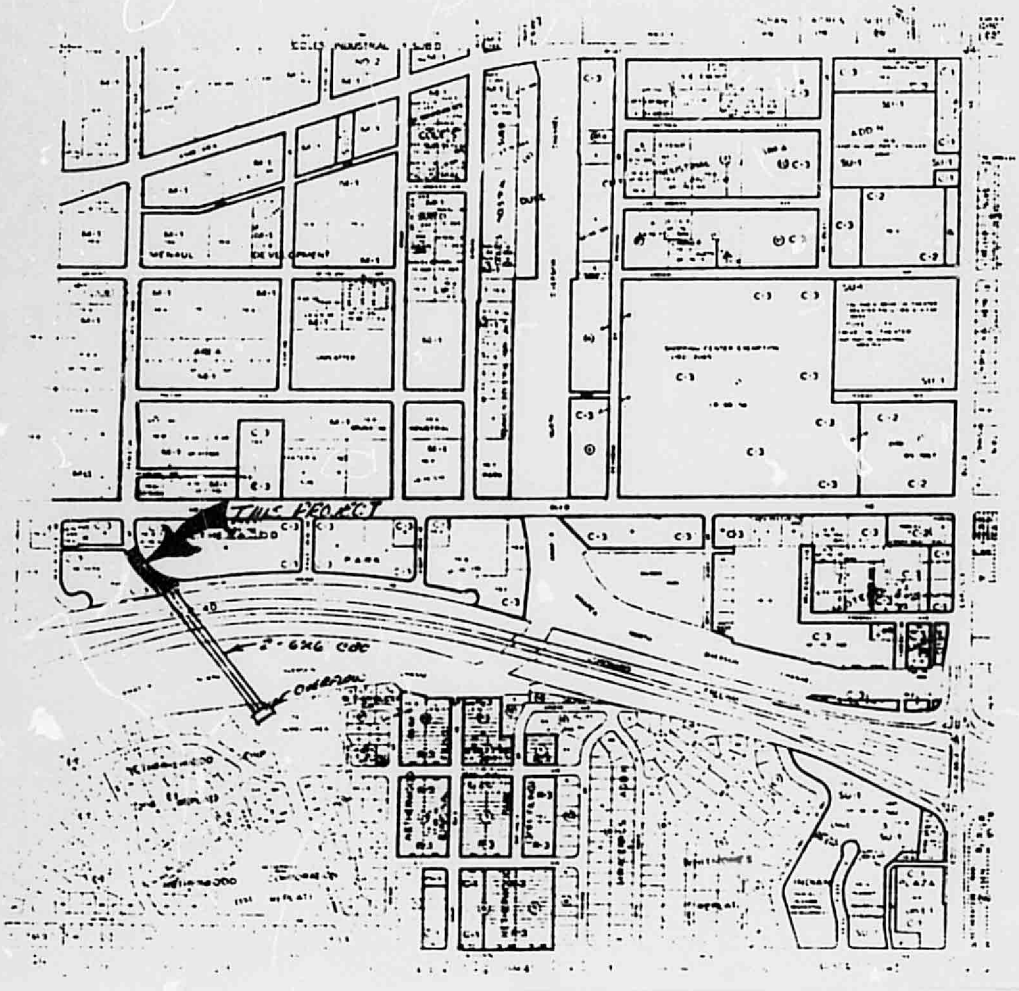
Very truly yours,

Louis W. Gross

LWG/lm

Enclosure

cc: Carl Good/The Hinkle Corp.




H·16·Z

FRED DENNEY & ASSOCIATES, INC.
CONSULTING ENGINEERS
5643 PARADISE BLVD., N.W.
ALBUQUERQUE, NEW MEXICO 87114
(505) 897-2457

November 22, 1978

Mr. Bruno Conegliano
Drainage Engineer
City of Albuquerque
P.O. Box 1293
Albuquerque, New Mexico 87103

Re: Princeton Drive N.E.
Cul-de-sac
F.D. Job No. 267-B

Dear Mr. Conegliano:

I have studied the plans for subject project and inspected the site on the ground. From this, I submit the following observations and conclusions.

The existing 6' x 6' double barrel concrete box culvert is an overflow for the City Ponding Area south of Interstate 40 and the AMAFCA North Diversion Channel. (See attached Location Map) Several pumps are installed to pump storm water from the Ponding Area to the Diversion Channel. The overflow is evidently for use in case of pump failure or a very large capacity storm. The double box culvert is capable of delivering approximately 450 cfs at a six foot headwater condition. I'm sure adequate safety precautions have been included in this ponding and pumping facility to make such a flow very unlikely.

The proposed project would not affect the drainage conditions due to the fact that the facility is proposed to be constructed over a very densely compacted traveled way to and from parking lots. Due to the imperviousness of the existing soil the runoff factor would be the same (0.9) as after the project is completed. The Lined channel from the concrete boxes would direct the flow into the cul-de-sac. At present, it is apparent that small nuisance flows emanating from the east along the freeway are causing some erosion which settles out on the existing

267.3
G.C.
file

pavement and goes into the underground storm sewer. A 15 foot drainage easement has been included along the lot lines adjacent to Interstate 40. An eight inch cut for 10 feet in the east wall of the channel has been added to intercept these flows. The proposed project would help stabilize the erosion and direct a cleaner water to the underground storm sewer.

Since the proposed improvement (plans enclosed) would not adversely affect the existing drainage conditions, we recommend that the plan be accepted as proposed.

Very truly yours,

Daniel Grochowski

Daniel Grochowski

DG/ks
Enclosure

FRED DENNEY & ASSOCIATES, INC.
CONSULTING ENGINEERS
5643 PARADISE BLVD., N.W.
ALBUQUERQUE, NEW MEXICO 87114
(505) 898-2457

November 22, 1978

Mr. Bruno Conegliano
Drainage Engineer
City of Albuquerque
P.O. Box 1293
Albuquerque, New Mexico 87103

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F.D. Job No. 267-B

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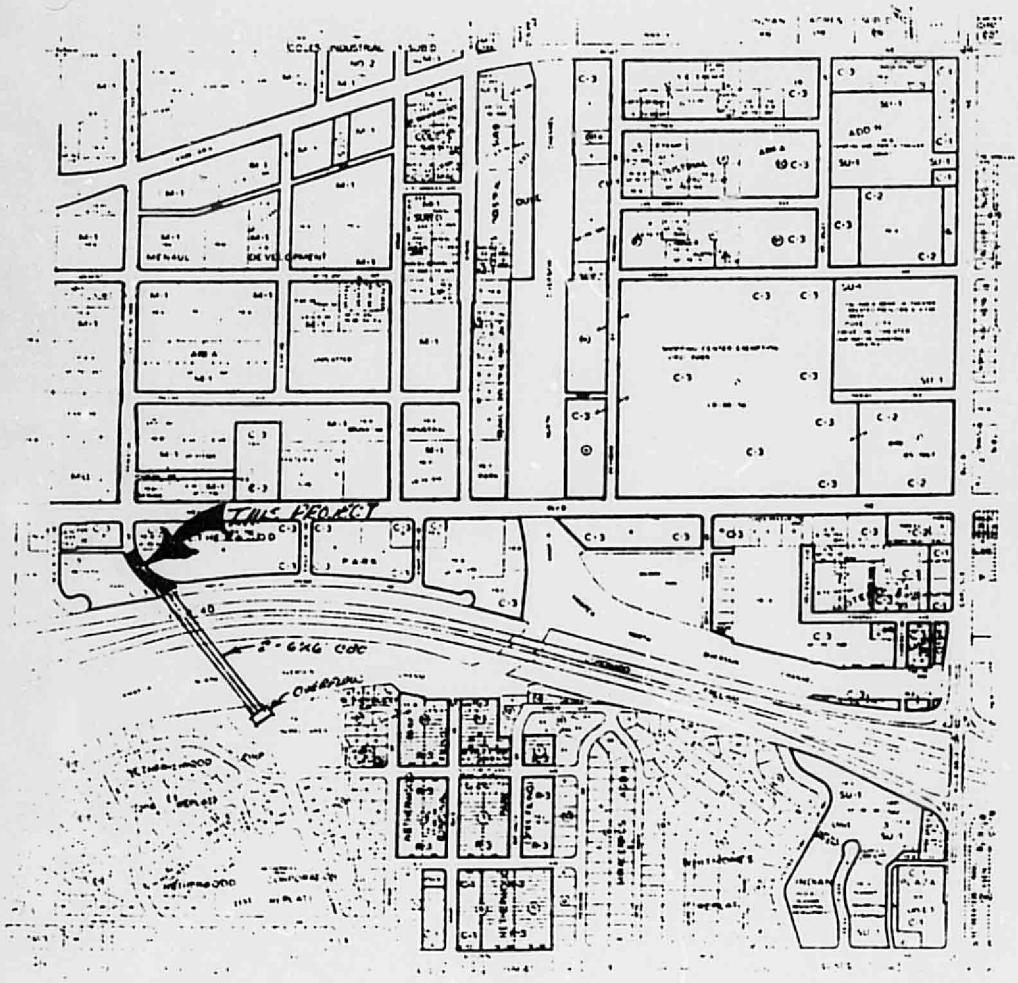
Enclosure

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FRED DENNEY & ASSOCIATES, INC.
CONSULTING ENGINEERS
5643 PARADISE BLVD., N.W.
ALBUQUERQUE, NEW MEXICO 87114
(505) 898-2457

December 28, 1978

RECEIVED
DEC 29 1978
CITY ENGINEERS

Mr. Richard Heller
City Engineer
City of Albuquerque
P. O. Box 1293
Albuquerque, New Mexico 87103

Re: Princeton Drive N.E.
Cul-de-Sac
F.D. Job No. 267-B

Dear Dick:

Transmitted herewith is a copy of the letter and the set of plans which I had submitted to Bruno for subject project. We were in agreement of the minor changes which Bruno suggested namely providing a recorded drainage easement along the vacated street and providing an opening in the lined channel for drainage from the easement. These changes are circled in red on the attached plans.

If you have any questions, please give me a call.

Very truly yours,

Louis W. Gross

LWG/lm

Enclosures

cc: Carl Good/Hinkle Corp./w. Enc.

FRED DENNEY & ASSOCIATES, INC.
CONSULTING ENGINEERS
5643 PARADISE BLVD., N.W.
ALBUQUERQUE, NEW MEXICO 87114
(505) 898-2457

November 22, 1978

Mr. Bruno Conegliano
Drainage Engineer
City of Albuquerque
P.O. Box 1293
Albuquerque, New Mexico 87103

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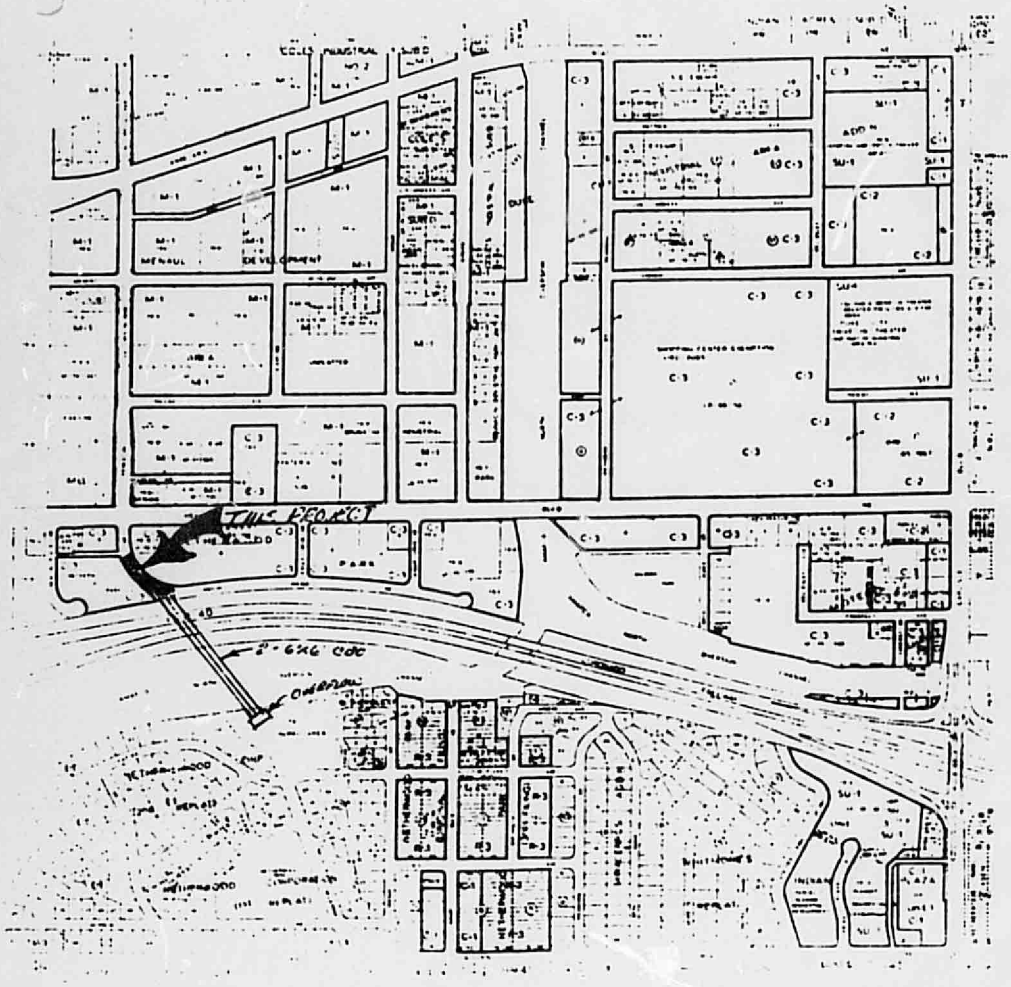


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