HYDROLOGY E18/D18 NO PLANS

E18/D18

No Plans

City of Albuquerque
P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

MAYOR
David Rusk

February 2, 1979

Mr. Jake Bordenave
T. T. Burnett Engineering, Inc.
120 Morningside Dr. N.E.
Albuquerque, New Mexico 87108

Dear Jake:

I have reviewed the drainage report for the following developments:

1. Cooper's Development of Tract 3-A of DRG Associates
2. WUV'S Development of Tract A, Miramonte Subdivision No. 2
3. J.B.'S Big Boy Development of 200'x200' Parcel at SE Corner of San Mateo Blvd. & Montgomery Blvd.

These reports are in compliance with the requirements of the AMAFCA Resolution 77-2 and are thereby approved. The site grading plan will have to show the implementation of the drainage concepts recommended.

Very truly yours,

Bruno Conegliano

Bruno Conegliano
Assistant City Engineer-Hydrology

BC/fs

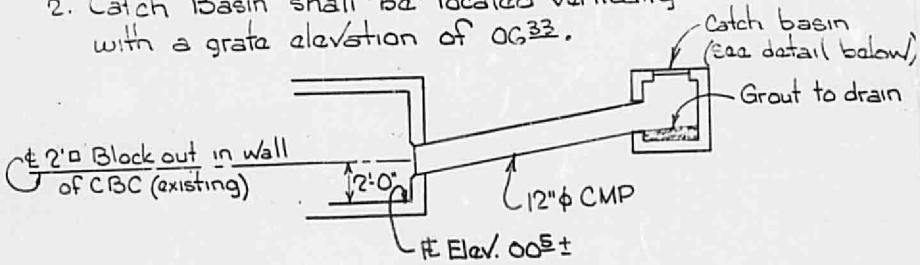
cc - Dick Heller
Rich Leonard
Drainage File

REVISED DRAINAGE INLET FOR COOPERS

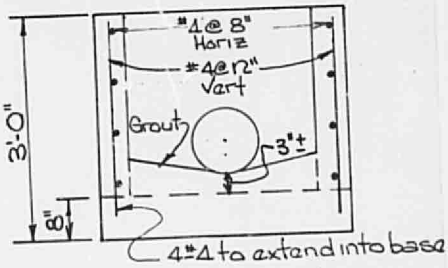
Tract 3A of land of DRG Assoc.

Notes:

1. Catch Basin shall located such that it is not accessible by vehicular traffic.
2. Catch Basin shall be located vertically with a grate elevation of 06.33.



PLAN VIEW



SECTION A-A

REGISTERED PROFESSIONAL ENGINEER AND LAND SURVEYOR NEW MEXICO 5718 GEORGE BORDEAUX

CDB 5/8/79

RECEIVED
JAN 18 1979
CITY ENGINEERS

DRAINAGE REPORT
FOR
COOPER'S DEVELOPMENT OF
TRACT 3-A OF DRG ASSOCIATES
JANUARY 1979

Prepared By:

T. T. Burnett Engineering, Inc.
120 Morningside Dr. NE
Albuquerque, New Mexico, 87108

Prepared For:

Jaynes Corporation
2906 Broadway NE
Albuquerque, New Mexico 87107

REGISTERED PROFESSIONAL ENGINEER AND LAND SURVEYOR
NO. 5110
NEW MEXICO
JEAN J. BORDENAVE

Jean J. Bordenave N.M.P.E. & L.S. #5110

TABLE OF CONTENTS

NARRATIVE 1

COMPUTATIONS 2

PLATES

I Location Map

II Site Plan

DRAINAGE REPORT

FOR

COOPER'S DEVELOPMENT OF

TRACT 3-A OF DRG ASSOCIATES

JANUARY 1979

This report is prepared for use by the developer and governing agencies to determine a method of complying with AMAFCA Resolution 1972-2.

The site is located on the east side of San Mateo Boulevard immediately south of Bear Canyon Arroyo crossing.

Onsite ponding of storm waters is not proposed for this tract. As per Section 3B of AMAFCA Resolution 1972-2, the storm water runoff from the development will discharge in such a manner as not to exceed the capacity of storm drainage facilities downstream. A grate designed for the maximum discharge will be placed in the concrete box culvert proposed by Flatow, Moore, Bryan & Associates, Inc. Mr. Sheppard of that firm has been made aware of the design and is altering his design accordingly. No storm water runoff from the tract will enter San Mateo Boulevard.

If, in fact, a six hour retention pond was constructed on the property, the pond would fill prior to peak discharge of the arroyo reaching the property. The storm water runoff rate from the property to the arroyo at that time would be the same as if no ponding were provided.

GRATE ELEVATION

℄ CBC	00.48±	
	4.50	CBC opening
	1.00	top slab
	0.67	grate
Min. Grate Elev.	6.65	

Set @ 06.80

GRATE SIZE

No Ponding

$Q_{max} = (0.95)(189/(25+5))(49{,}650/43560) = 6.8$ cfs

$A_{grate} = 6.8 / 0.6\sqrt{2gh}$, where $h = 0.5'$

$= 2.00$ ♯

Assume grate similar to Neenah R-3036-A

opening $= (22.5)^2\, 0.67/144 = 2.4$ ♯

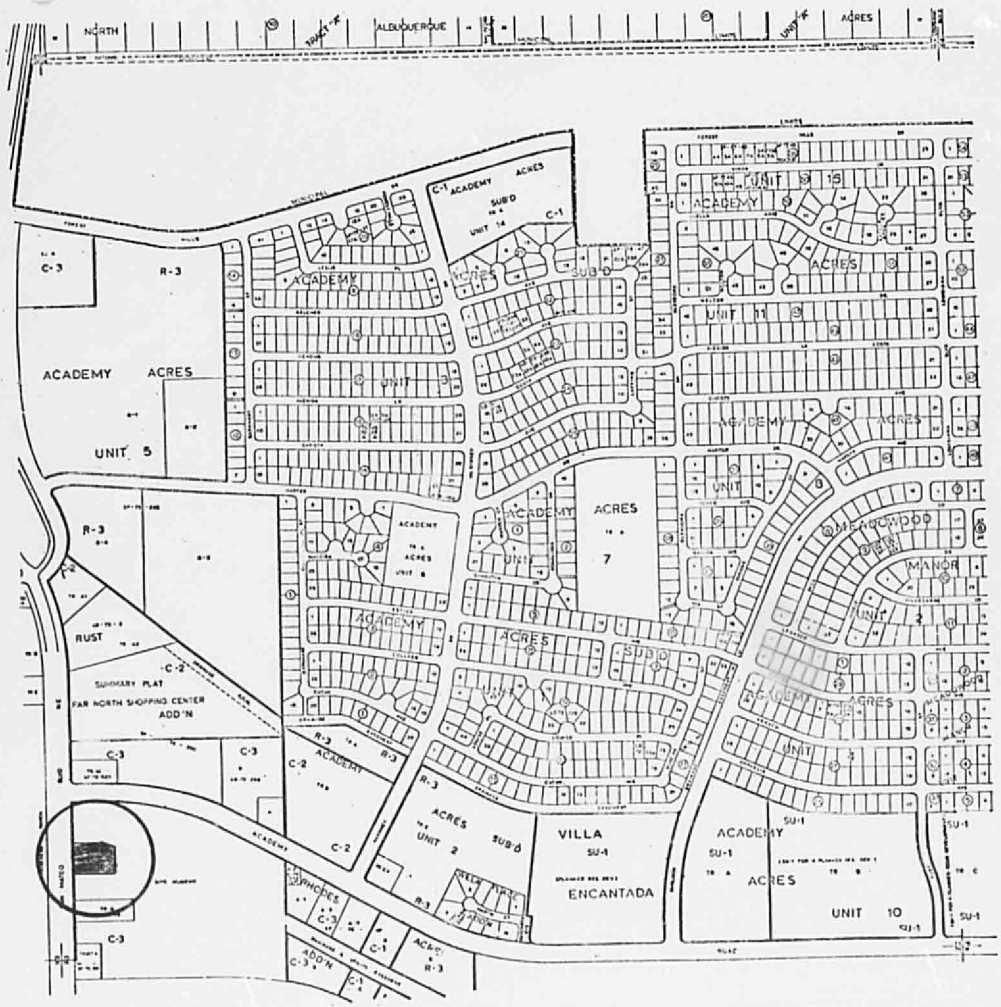
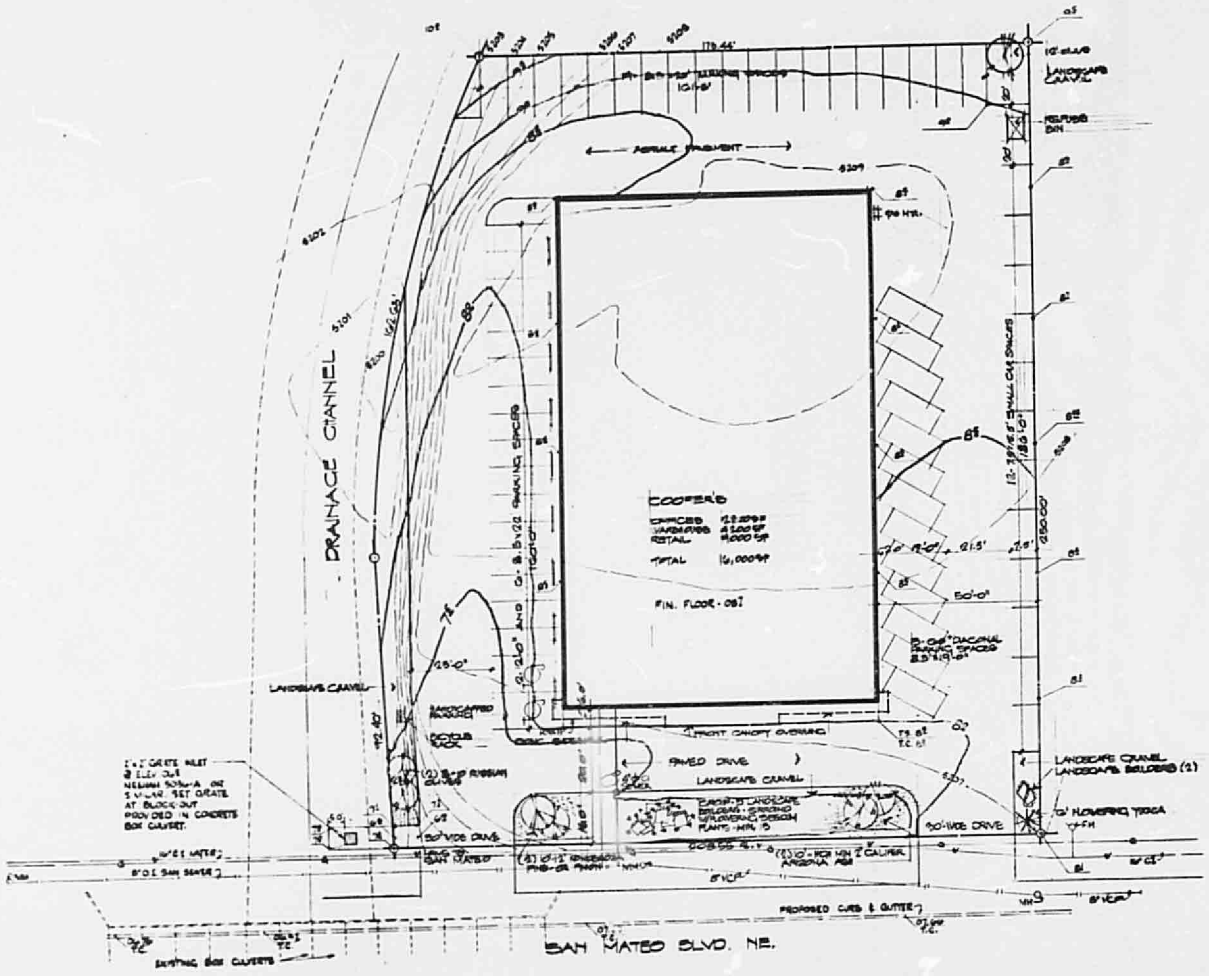

NORTH
ALBUQUERQUE
ACADEMY
ACRES
UNIT 5
UNIT 3
UNIT 11
UNIT 15
UNIT 14
UNIT 7
UNIT 2
UNIT 10
UNIT 8
SUB'D
C-1
C-2
C-3
R-3
SU-1
RUST
SUMMARY PLAT
FAR NORTH SHOPPING CENTER
ADD'N
VILLA
ENCANTADA
MEADOWOOD
MANOR
PHASE
E-18-Z

PLATE I



SITE AND LANDSCAPING PLAN

NORTH

ZONING - C-3
PAVING 90,000SF±
LANDSCAPING 27% = 2160SF±
LANDSCAPING PROVIDED 2260SF±

PARKING REQ'D 61
PARKING PROVIDED 64

TRACT 5A OF LAND OF DILO ASSOCIATES
AS RECORDED CITY OF ALBQ. DEC. 21, 1976

PLATE II

Architect

Engineer

CONTRACTOR
TO JAMES CORP.
GENERAL CONTR.

PROJECT 78-45

THE BURNS/PETERS GROUP
Architects & Planners
8000 Pennsylvania Circle NE
Albuquerque, New Mexico
87110 505 265 3645

Date DEC. 78

C1

OF SERVICE
Sheet No.

2162