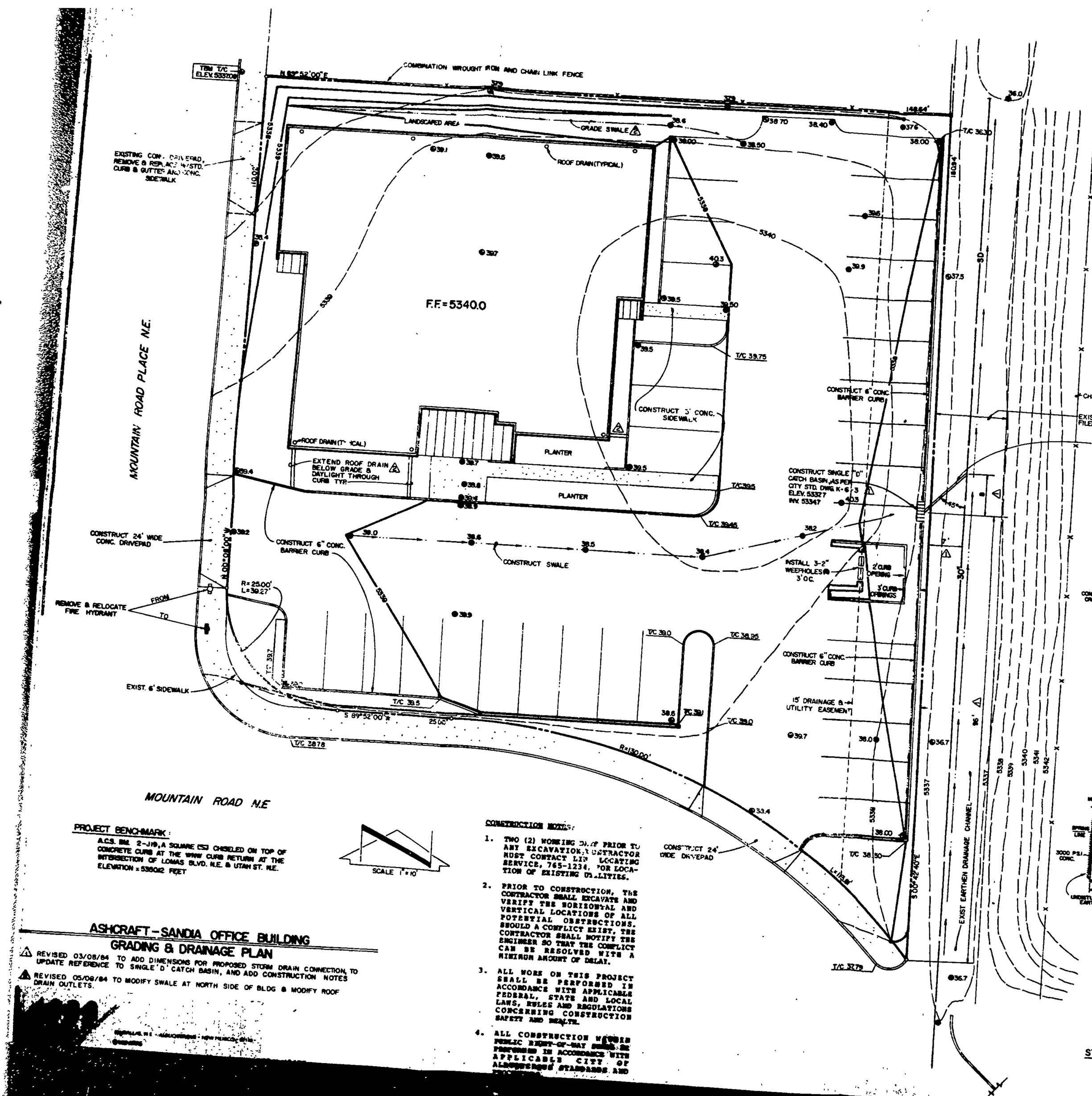
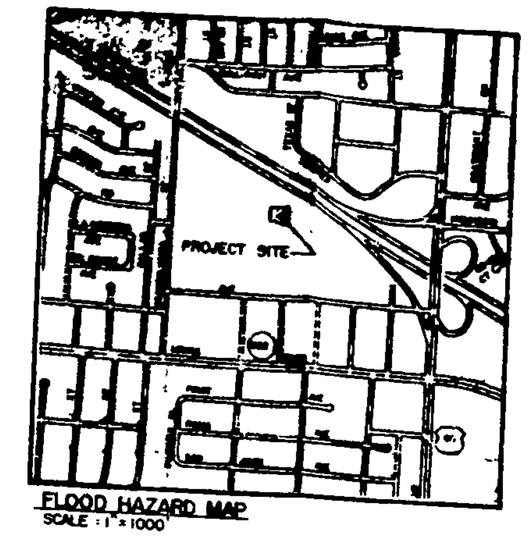
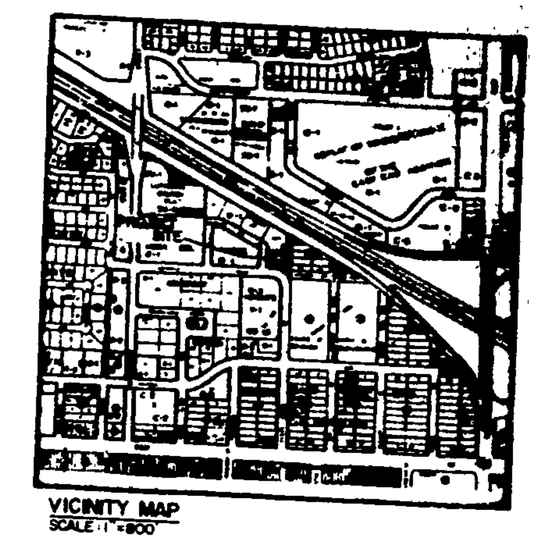
J19D012



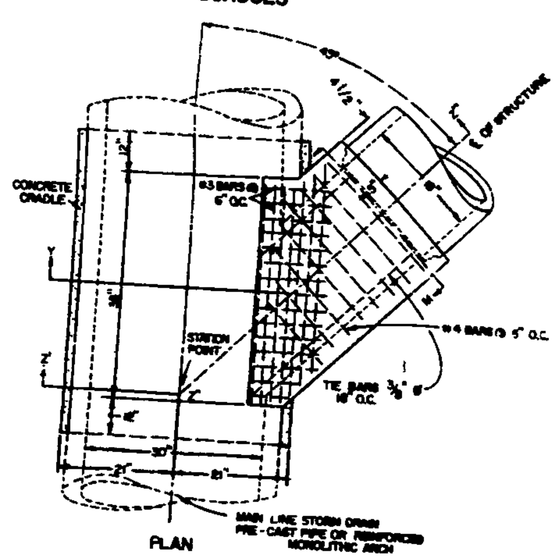


FLOOD HAZARD MAP
SCALE: 1" = 1000'

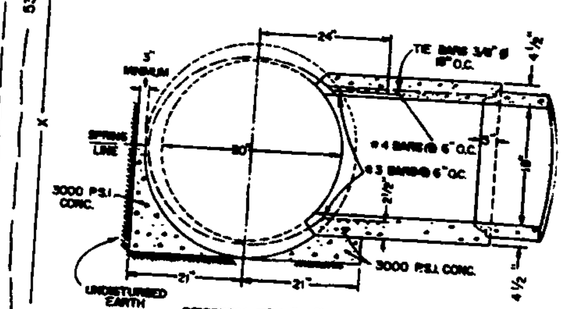


VICINITY MAP
SCALE: 1" = 800'

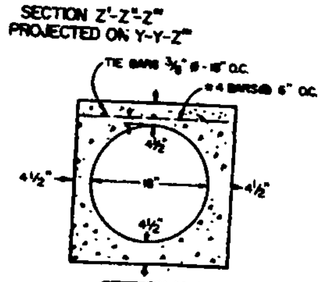
ALBUQUERQUE PUBLIC SCHOOLS



PLAN



SECTION Z'-Z"-Z"
PROJECTED ON Y-Y-Z"



SECTION M-M

STORM DRAIN CONNECTION DETAILS

DRAINAGE PLAN

The following items concerning the Ashcraft-Sandia Office Building Drainage Plan are contained hereon:

1. Vicinity Map
2. Flood Hazard Map
3. Grading Plan
4. Calculations

The proposed improvements are located at the northeast corner of Mountain Road Place and Mountain Road N.E. As shown by the Vicinity Map, the site is Lot 4-A-1 of Mesa Del Norte Heights, Number 11. As shown on the Grading Plan, one building and paving improvements are proposed for the site. At present, the site is undeveloped. Adjoining properties, however, are currently developed.

The Flood Hazard Map demonstrates that the site does not lie within a designated flood hazard area. This map was taken from Page 6 of 9, Flood Hazard Boundary Map, City of Albuquerque, New Mexico, Bernalillo County, 1979, prepared by the National Flood Insurance Program. All offsite runoff is conveyed around the site and through the surrounding streets. These streets are paved and have curb and gutter. A 15-feet drainage and utility easement is present along the east boundary of the site. Adjacent to this easement is an existing northbound drainage channel. This existing drainage channel outfalls to the north onto the right-of-way of Interstate 40. The aforementioned drainageway lies within vacated Texas Street (vacated by Ordinance 132-1968).

The Grading Plan shows (1) existing contours at 1'-0" intervals, (2) proposed grades indicated by spot elevations and contours, (3) swales, and (4) continuity between proposed and existing elevations.

The site is 0.49 acres in size, therefore, no ponding will be provided as permitted by the 1979 Interim Drainage Guidelines approved by the City of Albuquerque City Engineer. As previously stated, the majority of the site will drain to the east. Calculations demonstrating the 100-year storm discharges for both the undeveloped and developed state have been included on this plan. These calculations demonstrate that the proposed improvements increase runoff from the site by only 1.1 cfs. The runoff from the site discharging to the existing drainage channel will leave the site as sheetflow from unpaved areas and via an 18-inch RCP storm from the paved areas. Because of this, it is anticipated that the proposed improvements will not accelerate erosion. In addition, the finished floor elevation of the proposed office building has been established at elevation 5340.0 feet, a minimum one (1) foot above existing top of curb.

CALCULATIONS

Area of site = 21,413 sf = 0.49 Ac ±
Impervious area = 17,200 ± sf
Pervious area = 4,200 ± sf

$$C = \frac{17,200}{21,413}(0.95) + \frac{4,200}{21,413}(0.40) = \underline{0.84}$$

By Rational Formula, Q = CiA,

Q_{100}, Undeveloped = 0.40(5.4)(0.49) = 1.1 cfs

Q_{100}, Developed = 0.84(5.4)(0.49) = 2.2 cfs

ΔQ_{100} = 2.2 - 1.1 = 1.1 cfs

PROJECT BENCHMARK:

A.C.S. BM 2-J19, A SQUARE CUT CHISELED ON TOP OF CONCRETE CURB AT THE WWW CURB RETURN AT THE INTERSECTION OF LOMAS BLVD. N.E. & UTAH ST. N.E.
ELEVATION = 5350.12 FEET

SCALE 1" = 10'

CONSTRUCTION NOTES:

1. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 765-1234, FOR LOCATION OF EXISTING UTILITIES.
2. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL POTENTIAL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
3. ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.
4. ALL CONSTRUCTION WITHIN PUBLIC RIGHT-OF-WAY SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE CITY OF ALBUQUERQUE STANDARDS AND [illegible]

ASHCRAFT-SANDIA OFFICE BUILDING
GRADING & DRAINAGE PLAN

△1 REVISED 03/08/84 TO ADD DIMENSIONS FOR PROPOSED STORM DRAIN CONNECTION, TO UPDATE REFERENCE TO SINGLE 'D' CATCH BASIN, AND ADD CONSTRUCTION NOTES
△2 REVISED 05/08/84 TO MODIFY SWALE AT NORTH SIDE OF BLDG & MODIFY ROOF DRAIN OUTLETS.

[illegible] - ALBUQUERQUE - NEW MEXICO

LEGEND

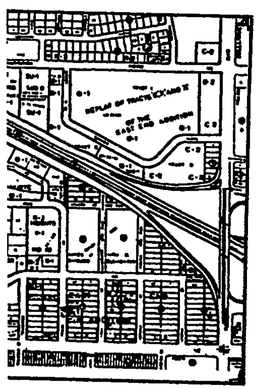
- EXISTING SPOT ELEVATION
- PROPOSED SPOT ELEVATION
- EXISTING CONTOUR
- PROPOSED CONTOUR

MAY 0 6 1984
HYDROLOGY SECTION

J19/D12

TY OF ALBUQUERQUE

FACILITIES WITHIN CITY RIGHT-OF-WAY



J-19

012

NOTICE TO CONTRACTOR

ction permit will be required before beginning any
t-of-way. An approved copy of these plans must be
of application for this permit.

these plans to be performed, except as otherwise
ereon, shall be constructed in accordance with
t No. 84-1".

r to any excavation, contractor must contact Line
-1234, for location of existing utilities.

n, the contractor shall excavate and verify the
ical locations of all obstructions. Should a
contractor shall notify the engineer so that the
red with a minimum amount of delay.

hall be according to N/A

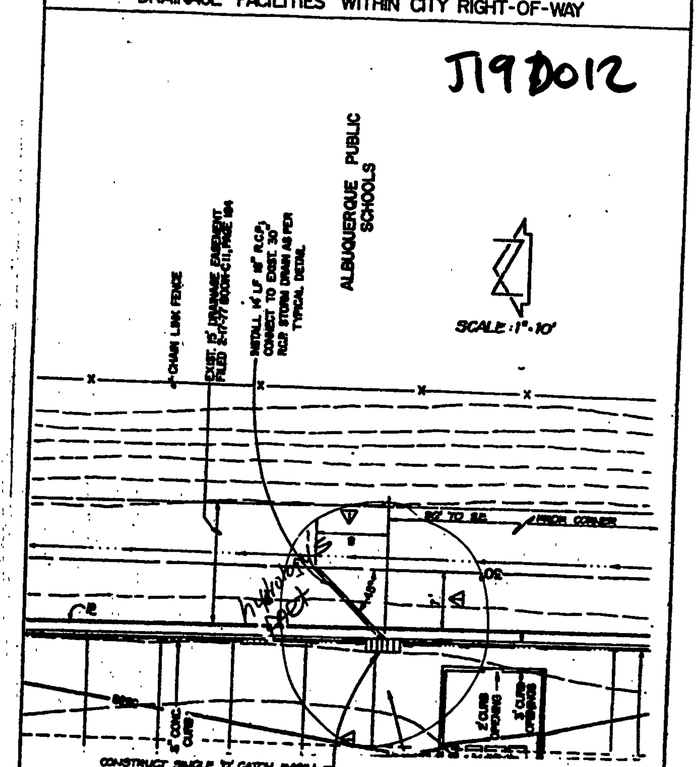
D-51

	DATE	TITLE: ASHCRAFT-SANDIA OFFICE BLDG. STORM DRAIN CONNECTION 8200 MOUNTAIN RD N.E.
	4/5/84	PERMIT NO. SHEET 1 OF 3 — MAP NO. J-19

CITY OF ALBUQUERQUE

DRAINAGE FACILITIES WITHIN CITY RIGHT-OF-WAY

J19D012

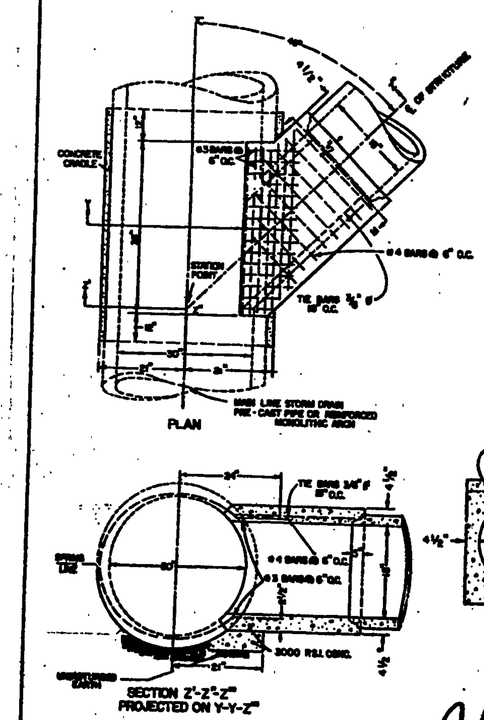


D-51

APPROVALS	NAME	DATE	TITLE: ASHCRAFT-SANDIA OFFICE BLDG. STORM DRAIN CONNECTION 8200 MOUNTAIN RD N.E.
A.C.E./DESIGN		4/5/84	
INSPECTOR			PERMIT NO. SHEET 2 OF 3 — MAP NO. J-19
A.C.E./FIELD			

CITY OF ALBUQUERQUE

DRAINAGE FACILITIES WITHIN CITY RIGHT-



STORM DRAIN CONNECTION DETAILS

D-5

APPROVALS	NAME	DATE	TITLE: ASHCRAFT-SAND STORM DRAIN 8200 MOUNT
A.C.E./DESIGN		4/5/84	
INSPECTOR		9-30-84	PERMIT NO. SHEET 3 OF 3
A.C.E./FIELD			

CHOTIMAGE IS THE BEST POSSIBLE
CTION DUE TO THE POOR QUALITY

THIS MICROIMAGE IS THE BEST POSSIBLE
REPRODUCTION DUE TO THE POOR QUALITY

THIS MICROIMAGE IS THE BEST POSSIBLE
REPRODUCTION DUE TO THE POOR QUALITY

INFORMATION SHEET

T-SANDIA TYPE OF SUBMITTAL RESUBMITTAL

CITY ADDRESS

MANN & ASSOC. CONTACT JEFFREY G. MORTENSEN

DALLAS NE PHONE 265-5611

CONTACT DAN ASHCRAFT

PHONE

CONTACT JOHN VAN DER PLOEG

PHONE

CONTACT J.G. MORTENSEN

PHONE

CONTACT DAN ASHCRAFT

PHONE

SHEET PROVIDED J19-D12

EXPECTED WITH THIS SUBMITTAL:

ROVAL

PPROVAL

VAL

OVAL

(SPECIFY)

84

MAY 09 1984

D.R.C. COORD SECTION

City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

DESIGN HYDROLOGY SECTION
123 Central NW, Albuquerque, N.M. 87102
(505) 766-7644

May 31, 1984

Mr. Jeff Martensen
Tom Mann & Associates
811 Dallas NE
Albuquerque, New Mexico 87110

REF: ASHCRAFT SANDIA OFFICE BUILDING (J19-D12) MAY 9, 1984

Dear Jeff:

Based on the information provided on your May 9, 1984 re-submittal, the above referenced drainage plan is approved.

The approved "Drainage Facilities Within City R/W" document must be attached to the construction sets before Hydrology will sign-off.

If you have any questions or comments, please feel free to call me at 766-7644.

Sincerely,

Billy J. Goolsby

BILLY Goolsby, P.E.
City/County Flood Plain Admin.

BG/BJM/cl

MUNICIPAL DEVELOPMENT DEPARTMENT

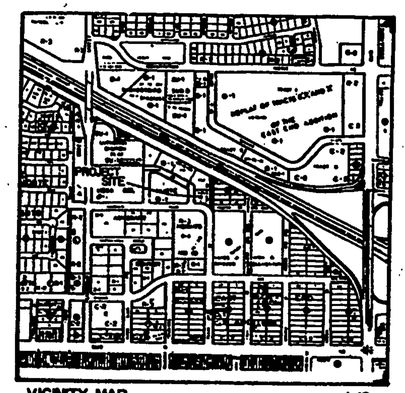
C. Dwayne Sheppard, P.E., City Engineer ENGINEERING DIVISION Telephone (505) 766-7457

AN EQUAL OPPORTUNITY EMPLOYER

CITY OF ALBUQUERQUE

DRAINAGE FACILITIES WITHIN CITY RIGHT-OF

TONY RAY



VICINITY MAP
SCALE: 1" = 800'

J-19

J19-D12

NOTICE TO CONTRACTOR

1. An excavation/construction permit will be required before work within City right-of-way. An approved copy of these submitted at the time of application for this permit.
2. All work detailed on these plans to be performed, except stated or provided hereon, shall be constructed in acco "Public Works Contract No. 84-1".
3. Two working days prior to any excavation, contractor must Locating Service, 765-1234, for location of existing utili
4. Prior to construction, the contractor shall excavate an horizontal and vertical locations of all obstructions. conflict exist, the contractor shall notify the engineer conflict can be resolved with a minimum amount of delay.
5. Backfill compaction shall be according to N/A street use.

APPROVALS	NAME	DATE	TITLE: ASHCRAFT-SANDIA C STORM DRAIN CO 8200 MOUNTAIN
A.C.E./DESIGN	Tony N. Sisk, Jr.	4/5/84	
INSPECTOR			
A.C.E./FIELD			PERMIT NO. SHEET 1 OF 3

THIS MICROFILM IS THE BEST POSSIBLE REPRODUCTION DUE TO THE POOR QUALITY OF THE ORIGINAL DOCUMENT