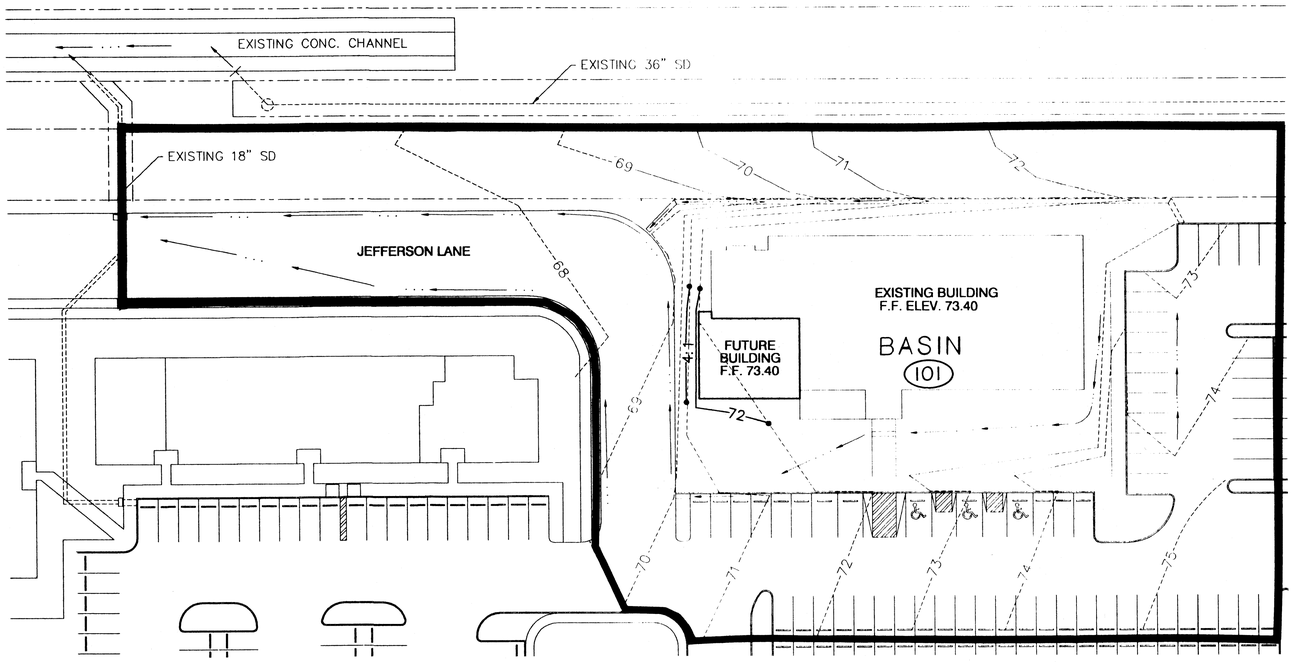


GRADING AND DRAINAGE PLAN - JEFFERSON OFFICE PLAZA

SCALE: 1" = 30'

NORTH

DRAINAGE REPORT

Site Location: St. Joseph's Height Cancer Center is located on Jefferson St. and Lumber, ½ mile north of Montgomery Blvd. The proposed development includes an addition to the existing building.

Methodology: Section 22.2 of the City of Albuquerque DPM was used in the hydrology analysis of the site. A principal design storm of 100-yr 24-hour event was used.

Existing Drainage Condition: The site consists of seven buildings, but only the northern most building and its surrounding areas pertains to Basin 101. Basin 101 includes the western half of the driveway to eastern edge of the site and from the northern edge of the site to the middle of the parking lot, which is immediately south of the northern most building. The size of Basin 101 is 1.723 acres, a third of it being landscaping and the rest being impervious. The approximate discharge of water into the drainage inlet, in the driveway, is 7.29 cfs.

Table 1: Existing Conditions

Basin	Area (ac)	%A	%B	%C	%D	$V_{360\ (acre\text{-}ft)}$	$Q_{100\ (cfs)}$
101	1.723	0	19.15	0	80.67	0.267	7.29
Total	**1.723**						**7.29**

Table 1: Breakdown of existing land type for each the basin including its respective volumetric runoff and discharge value

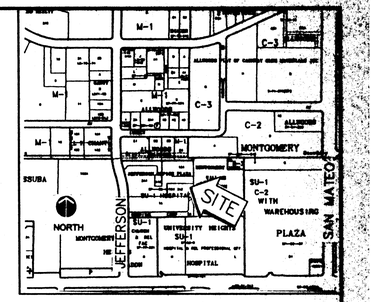
Proposed Drainage Conditions: The proposed development has virtually no effect on the site. Basin 101 has a slight increase in volume (0.267 acre-ft to 0.270 acre-ft), flow rate (7.29 cfs to 7.36 cfs) and impervious soil from 1.39 acres to 1.42 acres.

Table 1: Proposed Conditions

Basin	Area (ac)	%A	%B	%C	%D	$V_{360\ (acre\text{-}ft)}$	$Q_{100\ (cfs)}$
101	1.723	0	17.41	0	82.59	0.270	7.36
Total	**1.723**						**7.36**

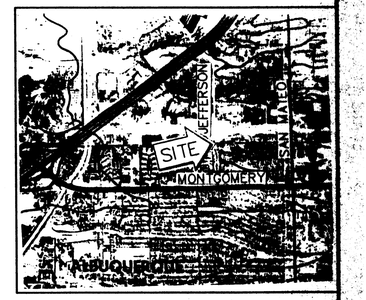
Table 2: Breakdown of proposed land types for each basin including their respective volumetric runoff and discharge values.

Conclusions: The net effect of the proposed development is approximately 1% when comparing the existing and proposed flow rate and the volume. Since the change in volume and flow rate is insignificant, the additional discharge from the proposed development will not have a detrimental impact on the site nor the surrounding areas.



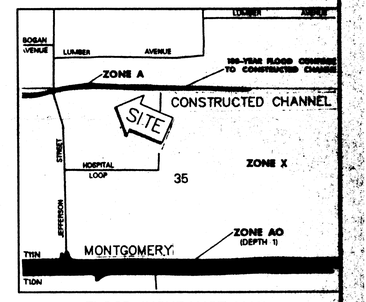
LOCATION MAP

ZONE ATLAS MAP NO. F-17-Z



SOILS MAP

REFERENCE: SCS BERNALILLO COUNTY SOIL SURVEY
SHEET NO. 21



FLOOD INSURANCE MAP

REFERENCE: FLOOD INSURANCE STUDY
PANEL 139

LEGAL DESCRIPTION

LOTS 6A-1 OF MONTGOMERY VILLAGE ADDITION

BENCH MARK

A CHISLED " □ " (SQUARE) AT THE WNW CURB RETURN OF THE INTERSECTION OF MONTGOMERY BLVD., N.E. AND JEFFERSON ST. N.E., BEING ACS STA. "6-F17"
ELEVATION = 5162.23
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OCT 15 1999
HYDROLOGY SECTION

WILSON &COMPANY
4775 INDIAN SCHOOL ROAD N.E.
SUITE 200
ALBUQUERQUE, NEW MEXICO
87110
(505) 254-4000

NEW MEXICO — 11956 — REGISTERED PROFESSIONAL ENGINEER — 10/15/99

DATE: SEPT 1999
FILE NO.: 99081
DESIGN: D.S.A.
DRAWN: P.A.S.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

ST. JOSEPH'S HEIGHTS CANCER CENTER ADDITION
GRADING AND DRAINAGE PLAN

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. XXXX.XX | Zone Map No. F-17-Z | Sheet 1 Of 1

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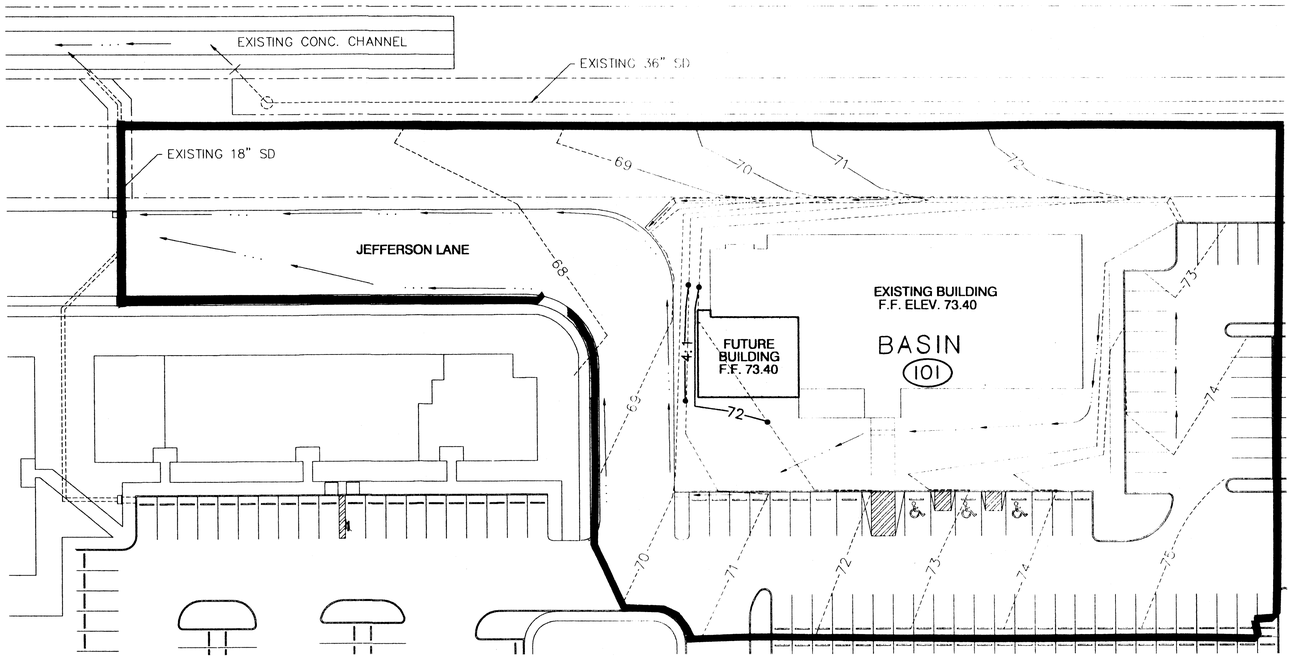

GRADING AND DRAINAGE PLAN - JEFFERSON OFFICE PLAZA

SCALE: 1" = 30'

NORTH

DRAINAGE REPORT

Site Location: St. Joseph's Height Cancer Center is located on Jefferson St. and Lumber, ½ mile north of Montgomery Blvd. The proposed development includes an addition to the existing building.

Methodology: Section 22.2 of the City of Albuquerque DPM was used in the hydrology analysis of the site. A principal design storm of 100-yr 24-hour event was used.

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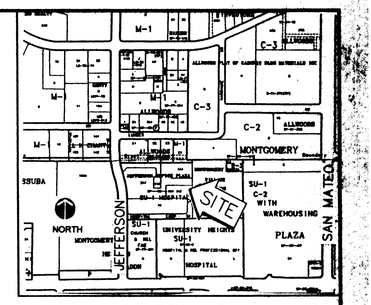
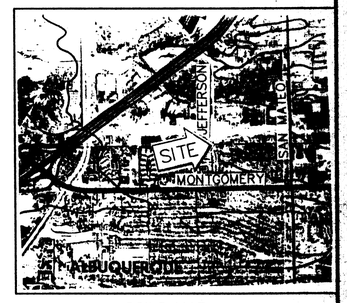
Table 2: Breakdown of proposed land types for each basin including their respective volumetric runoff and discharge values.

Conclusions: The net effect of the proposed development is approximately 1% when comparing the existing and proposed flow rate and the volume. Since the change in volume and flow rate is insignificant, the additional discharge from the proposed development will not have a detrimental impact on the site nor the surrounding areas.



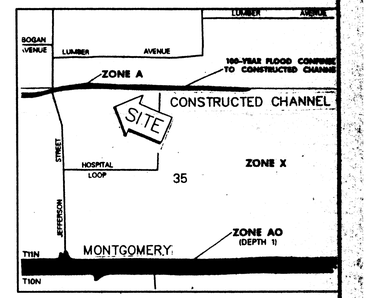
LOCATION MAP

ZONE ATLAS MAP NO. F-17-Z



SOILS MAP

REFERENCE: SCS BERNALILLO COUNTY SOIL SURVEY
SHEET NO. 21



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LOTS 6A-1 OF MONTGOMERY VILLAGE ADDITION

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RECEIVED
SEP 15 2000
HYDROLOGY SECTION

ENGINEER'S CERTIFICATION
I, DANIEL S. AGUIRRE, DO HEREBY CERTIFY THAT THIS SITE IS GRADED HEREON AND IS IN SUSTANITAL COMPLIANCE WITH THE APPROVED DRAINAGE PLAN.

DANIEL S. AGUIRRE — NEW MEXICO — 11955 — REGISTERED PROFESSIONAL ENGINEER — 9-13-2000

WILSON &COMPANY
4775 INDIAN SCHOOL ROAD N.E.
SUITE 200
ALBUQUERQUE, NEW MEXICO
87110
(505) 254-4000

DANIEL S. AGUIRRE — NEW MEXICO — 11955 — REGISTERED PROFESSIONAL ENGINEER — 10/15/99

DATE: SEPT 1999
FILE NO.: 99081
DESIGN: D.S.A.
DRAWN: P.A.S.

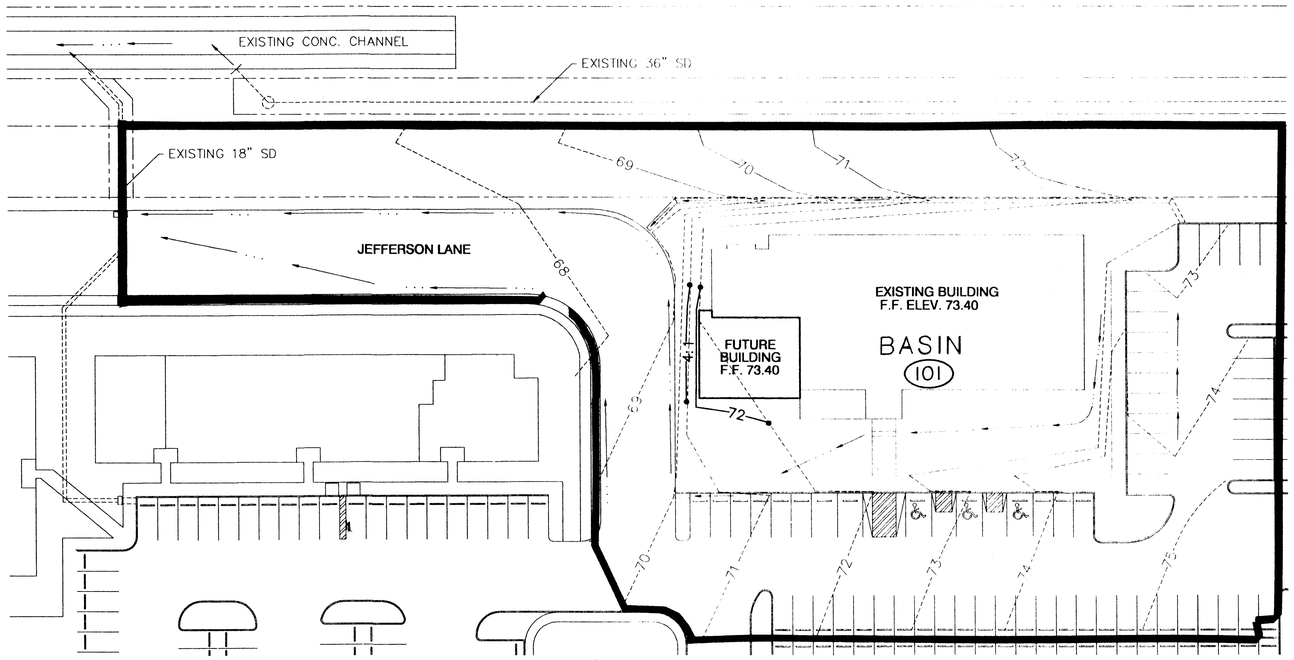
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

ST. JOSEPH'S HEIGHTS CANCER CENTER ADDITION
GRADING AND DRAINAGE PLAN

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. XXXX.XX | Zone Map No. F-17-Z | Sheet 1 Of 1

97XXX\FILE.DWG\XX-XX-97\X.XX



GRADING AND DRAINAGE PLAN - JEFFERSON OFFICE PLAZA

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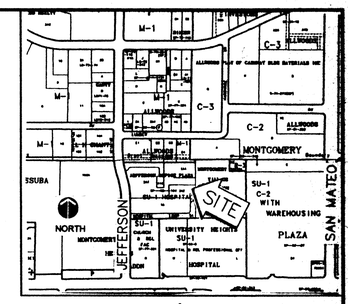
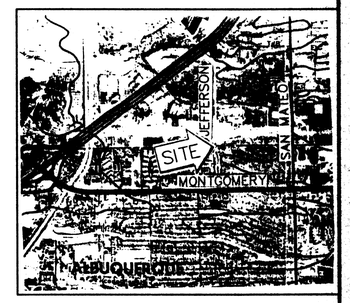


LOCATION MAP

ZONE ATLAS MAP NO. F-17-Z



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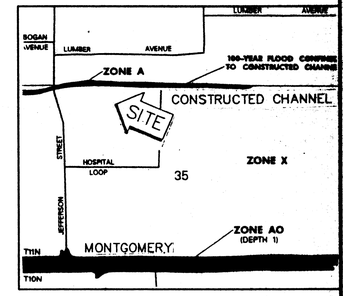
SHEET NO. 21



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DESIGN	D.S.A.
DRAWN	P.A.S.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

ST. JOSEPH'S HEIGHTS CANCER CENTER ADDITION
GRADING AND DRAINAGE PLAN

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
XXXX.XX	F-17-Z	1	1

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