

VICINITY MAP
ZONE ATLAS PAGE K-15-Z

MASTER DRAINAGE MANAGEMENT PLAN

I. INTRODUCTION AND PURPOSE
The purpose of this submittal is to present a conceptual drainage and grading plan for the proposed Heart Institute Medical Center Office Building project. The site consists of approximately 2.33 acres. The project is being submitted for DRB review. The purpose of this drainage management plan is to support DRB final sign-off of the site development plan for building permit. A more detailed final grading and drainage plan will be submitted to support building permit approval.

II. EXISTING HYDROLOGIC CONDITIONS
The site is located between Elm Street to the west and the I-25 frontage road to the east, Martin Luther King Blvd. is located about a block to the south. (Zone Atlas Map K-15-Z)
The site is currently a parking lot being used by nearby hospitals. An existing building located in the southeast corner of the site will be demolished. The site is a 92% impervious surface and generates about 10.5 cfs conveyed by sheet flow to the west and free discharging to Elm Street. A drainage report prepared for Heart hospital in June 1988 (K15/D6D) included an existing conditions basin map for the St. Joseph Medical Complex. Basin 'A' shown on this exhibit covers the area where most of the improvements are proposed. The proposed conditions basin map for Heart Hospital of New Mexico included additional landscape area south and adjacent to the hospital.

III. PROPOSED HYDROLOGIC CONDITIONS
This project proposes to construct a new medical office building and parking structure. Drainage analysis for this project was based on the DPM Section 22.2 and is located within zone 2. A single drainage basin was used the analysis of this site. Some additional landscaping areas will be added, reducing impervious surface areas to 90% and generating a flow of 10.5 cfs. The upper level parking structure and office building roofs will drain to the west via roof drains. The flow will discharge to ground level parking areas and driveways and be conveyed by sheet flow to a valley gutter through a sidewalk culvert and into Elm Street. This proposed development does not increase the overall discharge from this site.

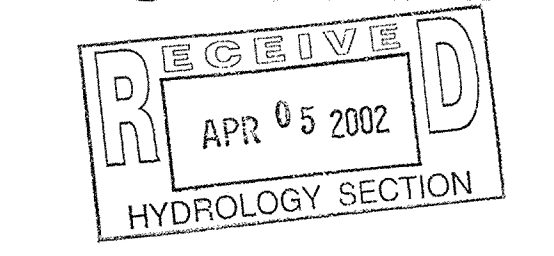
IV. CONCLUSION
This conceptual drainage management plan proposes concepts that are in compliance with Heart Hospital of New Mexico Drainage Report (K15/D6D) and city standards. With this submittal, we are seeking site development plan approval.

Heart Institute Medical Office Building BASIN CALCULATIONS						
Ultimate Development Conditions Basin Data Table						
	Area (SQ. FT.)	Area (AC.)	Land Treatment Percentages			
			A	B	C	D
EXISTING	101678.7	2.33	0.00%	3.00%	5.00%	92.00%
PROPOSED	101678.7	2.33	0.00%	5.00%	5.00%	90.00%

This table is based on the DPM Section 22.2, Zone: 2

LEGAL DESCRIPTION
TRACT 2B ST. JOSEPH HOSPITAL MEDICAL COMPLEX

CONCEPTUAL GRADING /
DRAINAGE BASIN MAP



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DRB Submittal
April 9, 2002

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Heart Institute
Medical Office Building

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project

revisions
4-9-02 EPC FINDINGS AND CONDITIONS
3-22-02

plotted:
drawn by RS
reviewed by GSB
date 4-9-02
project no. 020227
drawing name

NEW MEXICO
14171
REGISTERED PROFESSIONAL ENGINEER

sheat no.

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