

DRAINAGE PLAN

hazard zone.

The following items concerning the ITT Grading and Drainage Plan are contained hereon:

- 1. Vicinity Map
- 2. Grading Plan 3. Calculations

The proposed improvements, as shown by the Vicinity Map, are located on the south side of Masthead Street between Jefferson and the west frontage road for I-25. The site has been developed with a building, parking and landscaping. The site slopes from east to west. The site is lower than the land to the south and to the east, and higher than the land to the west. It is parallel to Masthead Street to the north. The land to the south is generally graded away from the project site. As a part of the mass grading for the Journal Center an earth berm was constructed along the east property line to direct flows north away from the project site. Off site flows from Martinez Trailers does enter the site at the southeast corner. Those flows will be conveyed through the site in a controlled manner. The site does not lie in a designated flood

The existing development on the site lies on the western 78 percent of the site. A grading and drainage plan was prepared for the development in 1989 by Bohannon Huston Inc. This Grading and Drainage Plan shows 1) the existing and proposed grades indicated by spot elevations and contours at 1'-0"intervals, 2) continuity between existing and proposed elevations, 3) the limit and character of the existing improvements and 4) the limit and character of the proposed improvements. The proposed project will add to the existing building, parking and landscaping. Flows will be conveyed through the site and exist at the west most drivepad into Masthead Street. The project will function as shown in the previously approved plan.

The calculations, which appear below, analyze both the existing and proposed conditions for the 100-year, 6-hour rainfall event. The analysis is in accordance with the City of Albuquerque Development Process Manual, Volume II. As shown by the calculations, the runoff will increase, but it is within the guidelines of the free discharge established in the master drainage plan for the Journal

CALCULATIONS

Area = 3.30 acres Precipitation Zone = 2

Existing Conditions

Land Treatment

- B 1.71
- C 0
- D 1.59
- E = (0.78*1.71 + 2.12*1.59)/3.3 = 1.43 inches V = 1.43*3.3/12 = 0.39 acft
- Q = 2.28*1.71 + 4.70*1.59 = 11.4 cfs

Developed Conditions

Land Treatment

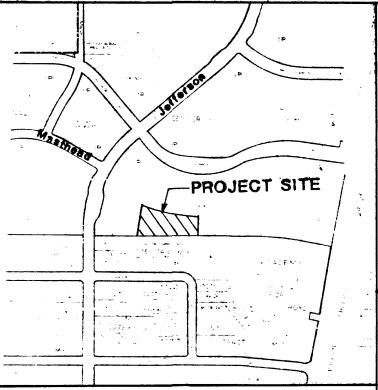
- B 0.78
- C 0 D 2.52
- E = (7.78*0.78 + 2.12*2.52) = 1.80 inchesV = 1.80*3.3/12 = 0.50 acft
- Q = 2.28*0.78 + 4.702.52 = 13.6 cfs

LEGAL DESCRIPTION

Tract 4AAA-5A-1 Journal Center

BENCHMARK

NMSHTD Brass Cap I-25-14 located at the entrance to the NMSHTD District 3 Headquarters. Elevation = 5196.73



VICINITY MAP D-17



JOURNAL CENTER

ARCHITECTS

LEGEND

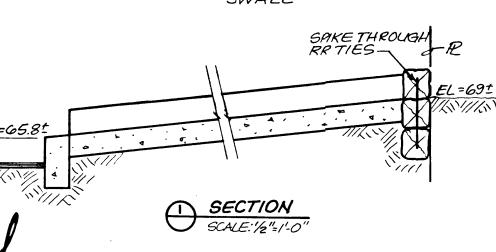
- --- EXISTING CONTOUR
- ---- PROPOSED CONTOUR x 59.5 EXISTING SPOT ELEVATION
- 59.0 PROPOSED SPOT ELEVATION
- SWALE

MATCH EXIST. GROUND AT PROPERTY LINE

THIS PROJECT WAS CONSTRUCTED IN CLOSE COMPLIANCE WITH THE APPROVED DRAWING DATED 8-2-94.

MANN, JR.

SEE STRUCT. DWGS -



Engineer: THOMAS T. MANN, JR. Keyed Notes:

-3000 PSI CONC. MASTHEAD STREET W/#4@12" E.W. REMOVE & REPLACE ASPHALT AS Revisions: CONCRETE RUNDOWN NECESSARY Number: 16" CONC. CURBITYP, REMOVE & DISPOSE EXIST. CURB. MATCH EXIST. AGPH. GRADES 6" CONCRETE CURB ROOF DRAIN (TYP) FINISHED FLOOR ELEV. = 5158.00 6' OPENING IN BACK OF CURB— MATCH TOP OF CURB # OF RUNDOWN FINISHED FLOOR 5WALE ELEV = 5158.00 (BENCHMARK) TBM - CONC. RUNDOWN CHANNEL OFFEITE FLOWS
TO RUNDOWN, EXTEND
8' EACH SIDE OF RUNDOWN, USE A MIN.
OF 3 TIES VERTICAL
I AND COMPACT BACKI FILL AGAINST TIES CONSTRUCT RETAINING WALL

Project Number: Project Name: ITT Educational Services Building Expansion Sheet Title:

1 =30