



City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

February 12, 1990

Rick Beltramo
Bohannon-Huston, Inc.
7500 Jefferson Street, NE
Albuquerque, New Mexico 87109

RE: CONCEPTUAL DRAINAGE PLAN FOR UNIVERSITY CENTER PARCEL 10 & 11
PHASE I (L-15/D31B) ENGINEER'S STAMP DATED FEBRUARY 5, 1990

Dear Mr. Beltramo:

Based on the information provided on your submittal of February 5, 1990, the referenced drainage plan is approved for Site Development.

Prior to building permit release, the following must be added to the drainage plan.

1. How will the 5.0 cfs of offsite flows be conveyed onto the access ramp? More detail needed.
2. Six notes and sign-off block must be included within the plan drawing as a Special Order #19 format.
3. Top soil permit must be coordinated with Environmental Health Department.
4. Will the ACS benchmark serve as the project T.B.M.?
5. More top of curb and flow line elevations on the plan drawing.
6. Top of curb and flow line elevation must be shown on Stadium Boulevard, SE.
7. Please identify what method you used to compute your volumes.

If I can be of further assistance, please feel free to call me at 768-2650.

Cordially,

Bernie J. Montoya
Bernie J. Montoya, C.E.
Engineering Assistant

BJM/bsj
(WP+1627)

DRAINAGE INFORMATION SHEET

PROJECT TITLE: University Center
Parcel 10 & 11 PH I ZONE ATLAS/DRNG. FILE #: L-15/D31b

DRB #: _____ EPC #: _____ WORK ORDER #: _____

LEGAL DESCRIPTION: University of New Mexico, South Campus, Parcel 2

CITY ADDRESS: _____

ENGINEERING FIRM: Bohannon-Huston, Inc. CONTACT: Rick Beltramo
 ADDRESS: 7500 Jefferson ST., NE PHONE: 823-1000

OWNER: Glenborough New Mexico CONTACT: Laurie G. Wiggins
 ADDRESS: 1400 Central SE Suite 3200 PHONE: 242-5800

ARCHITECT: Boehning Partnership CONTACT: Dave Cook
 ADDRESS: 301 Gold Ave., SW PHONE: 242-4044

SURVEYOR: _____ CONTACT: _____
 ADDRESS: _____ PHONE: _____

CONTRACTOR: _____ CONTACT: _____
 ADDRESS: _____ PHONE: _____

TYPE OF SUBMITTAL:

____ DRAINAGE REPORT
 ____ DRAINAGE PLAN
☒ CONCEPTUAL GRADING & DRAINAGE PLAN
 ____ GRADING PLAN
 ____ EROSION CONTROL PLAN
 ____ ENGINEER'S CERTIFICATION
 ____ OTHER _____

PRE-DESIGN MEETING:

☒ YES
 ____ NO
☒ COPY PROVIDED

CHECK TYPE OF APPROVAL SOUGHT:

____ SKETCH PLAT APPROVAL
 ____ PRELIMINARY PLAT APPROVAL
 ____ S. DEV. PLAN FOR SUB'D. APPROVAL
☒ S. DEV. PLAN FOR BLDG. PERMIT APPROVAL
 ____ SECTOR PLAN APPROVAL
 ____ FINAL PLAT APPROVAL
 ____ FOUNDATION PERMIT APPROVAL
 ____ BUILDING PERMIT APPROVAL
 ____ CERTIFICATE OF OCCUPANCY APPROVAL
 ____ GRADING PERMIT APPROVAL
 ____ PAVING PERMIT APPROVAL
 ____ S.A.D. DRAINAGE REPORT
 ____ DRAINAGE REQUIREMENTS
 ____ OTHER _____ (SPECIFY)

DATE SUBMITTED:

2/5/90BY: Rick L. Beltramo, Project Manager

INTERSTATE-25

SITE DESCRIPTION

The project is located in the Albuquerque southeast heights fronting on the north side of Stadium Blvd. and east of Interstate 25. The project is bounded by the A.M.A.F.C.A. South Diversion Channel to the east and Albuquerque Public Schools property to the north.

Soils in this area range in slope from 2 to 4% and are characterized by deep well drained alluvial fan soils composed of decomposed granite. This area has been previously rough graded for residential development. As such the soil is classified by the Soil Conservation Service as "CU" for cut and fill land and has a hydrologic rating of A.

HYDROLOGY

Drainage Management is in accordance with the approved Master Drainage Report entitled "Drainage Report for Glenborough, University Center" dated June, 1988. Drainage basin J allows for 6.4 acres of developed property to discharge 27 cfs to the intersection of Stadium Blvd. and Stadium Blvd. ramp. Public drainage facilities and improvements are necessary to support this runoff. Free discharge to Stadium Blvd. is allowed.

Minimal offsite drainage from the north is conveyed via a well to the I-25 right-of-way and then south to Stadium Blvd. No offsite flow contributes to the site from the east due to the South Diversion Channel.

Flow rates and volumes were developed using the City of Albuquerque "Drainage Engineering Manual" (JPM) Chapter 22.2 Rational method as amended by "Emergency Rule" dated February 19, 1986.

C = Rational Coefficient of Runoff

I = Applied Rainfall Intensity (In/Hr)

A = Area (Acres)

A summary table is provided showing hydrologic parameters.

EROSION CONTROL PLAN

All runoff from the site flows to the west or south boundaries. A berm trench of the dimensions shown on this sheet is required adjacent to property line. The berm trench shall remain in place during all phases of site work construction.

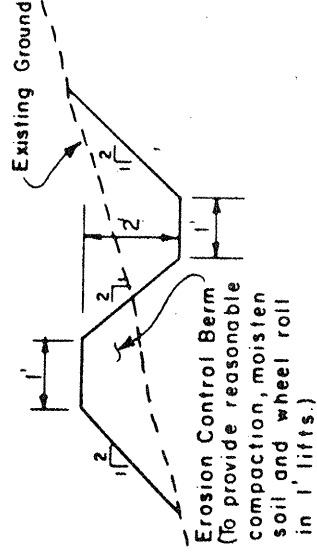
HYDROLOGIC SUMMARY TABLE

PROPOSED CONDITIONS	C	Q100 (cfs)	Q10 (cfs)	V100 (ac/ft)	V10 (ac/ft)
Basin Area (ac)					
1 .68	.72	2.4	1.6	.094	.062
2 3.57	.83	14.4	9.5	.568	.373
3 1.59	.65	5.0	3.3	.198	.130
TOTAL 4.106		21.8		.860	

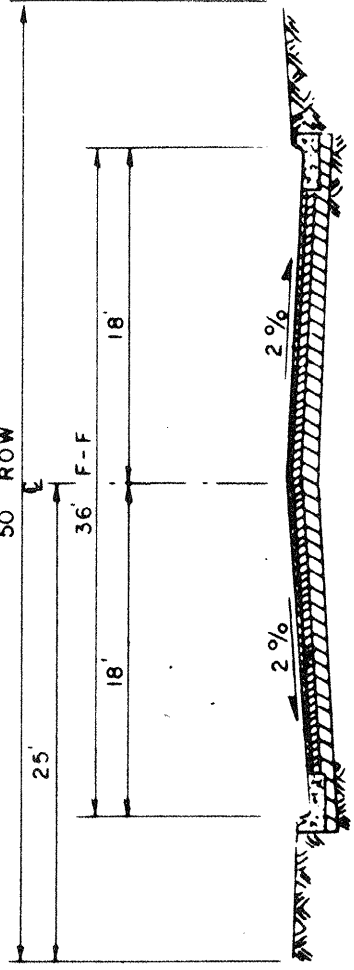
EXISTING CONDITIONS

1 0.68	.40	1.3	0.9	.052	.034
2 3.57	.40	6.9	4.6	.274	.180
3 1.59	.40	3.1	2.0	.122	.080
TOTAL 4.106		11.3		.448	

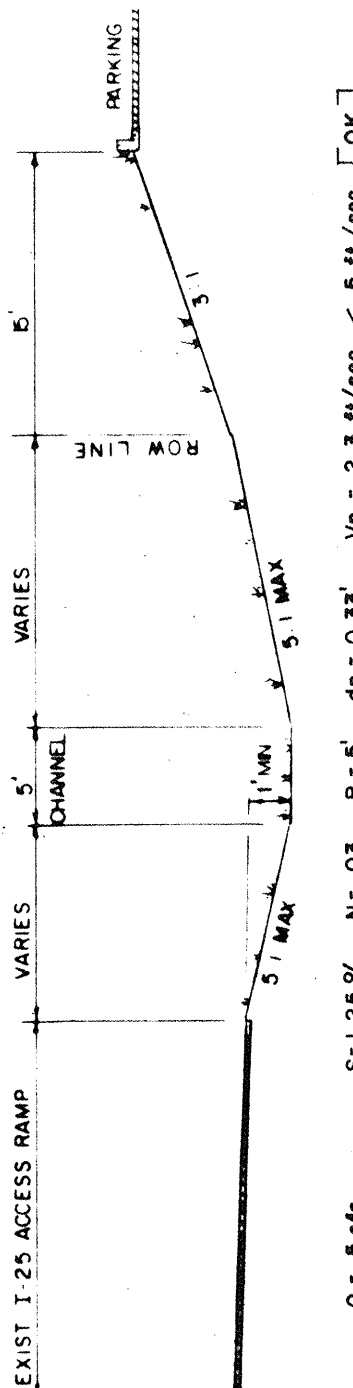
TC = 10 MPH, P100 = 2.3 IN, I = 4.86 IN/HR
C LANDSCAPE = 0.25
C ROOF = .90
C PAVEMENT = .96
C UNDEVELOPED = .40
C UNDEVELOPED = .40



EROSION CONTROL BERM (No Soil)



TYPICAL SECTION STREET A
NOT TO SCALE



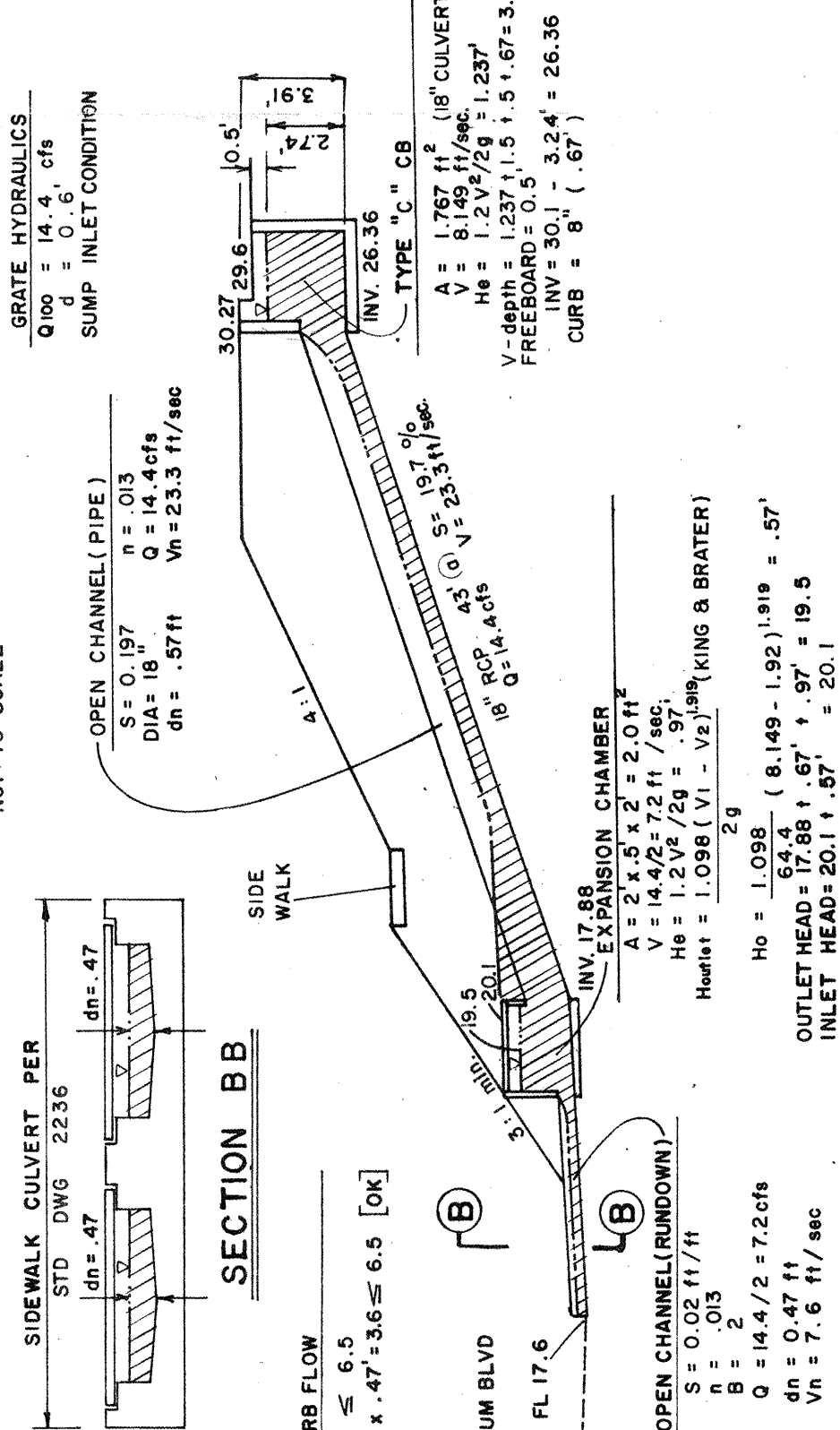
TYPICAL SECTION ACCESS RAMP CHANNEL
NOT TO SCALE

BENCH MARK

SET IN THE TOP OF A CONCRETE POST FLUSH WITH THE GROUND IS A INSHG BRASS TABLET, STAMPED "STA-1-25-29" LOCATED ON THE SOUTHEAST CORNER OF HWY. 1-25 BRIDGE CROSSING OVER STADIUM BLVD.
ELEV. = 5031.42

A.M.A.F.C.A. SOUTH DIVERSION CHANNEL

STORM DRAIN DETAIL AA



SECTION BB

FL 17.6

FL 17.6

FL 17.6

FL 17.6

FL 17.6

FL 17.6

FL 17.6

FL 17.6

FL 17.6

FL 17.6

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