FILE DIT/DIE

DRAINAGE CALCULATIONS

DISCUSSION

This site (Tract I-C, Academy Park, Unit 4) contains .74 acres undeveloped land which now drains to the west along the south boundary of the Albuquerque Publishing Company property. Soils at the site are classified as group "B" and the site itself is out of the flood plan. After meeting with the City of Albuquerque Hydrology staff, it was decided that since an easement (to drain west across private property) was signed, all drainage will be directed to the west end. The 100-year run-off storm was used for all calculations (except temporary erosion control facilities).

CALCULATIONS

TOTAL AREA

32046 sq.ft

AREA DRAINING TO WEST END

32046 sq.ft

LANDSCAPE & UNPAVED AREAS

3000 sq.ft

DEVELOPED SITE IS 90% IMPERVIOUS COEFFICIENT OF RUNOFF

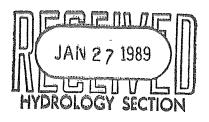
C = .84

100-YEAR, 6 HR. PRECIP.

2.2 INCHES

RUN-OFF CALCULATION:

TIME OF CONCENTRATION (LESS THAN 10 MIN) INTENSITY I = $(2.2)(6.84)(10^{-.5}) = 4.65$ Q(100 YR) = (.84)(4.65)(32046/43560)= 2.87 cfs





City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

KEN SCHULTZ MAYOR

CLARENCE V. LITHGOW

CHIEF ADMINISTRATIVE OFFICER

DAN WEAKS PUBLIC SERVICES

FRED E. MONDRAGON

DEPUTY CAO DEVELOPMENT & ENTERPRISE SERVICES RAY R. BACA DEPUTY CAO PUBLIC SAFETY

July 17, 1989

Jim J. Kapuranis, P.E. J.J.K. Associates 4009 Parsifal, NE Albuquerque, New Mexico 87111

> REVISED DRAINAGE PLAN FOR INDUSTRIAL WATER ENGINEERING, INC. (D-17/D28) REVISION 2 DATED JUNE 1, 1989

Dear Mr. Kapuranis,

Based on the information provided on your resubmittal of June 2, 1989, revisions as indicated are acceptable.

Please advise your client that once the concerns listed below are satisfied, a reinspection must be requested.

- Roof drains on south side of building must be extended or provisions made so as to allow the runoff to enter onto the asphalt area.
- Swale on the north side of building must be constructed with a well defined inverted crown.
- 3. Well defined swale routing the runoff away from the building to the west.

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

Cordially,

Bernie J. Montoya, C.E.

Engineering Assistant

BJM/bsj (WP+1004)

DRAINAGE INFORMATION SHEET

PROJECT TITLE: I.W.E. INC.	ZONE OTLOS/DRNG ETLE # D-17-
LEGAL DESCRIPTION: LOT 1-C IN	
CITY ADDRESS: ALBUGUEAGUE	N.M.
ENGINEERING FIRM: JJK ASSOCK	TES CONTACT: JIM J. KABURAN
ADDRESS: 4009 PARSIJA	L N.E. PHONE: 299-3722
OWNER: LES NORMAN	87116 CONTACT: SAME
ADDRESS: 2300 BUENA VIST	135 ASE PHONE: 842-1216
ARCHITECT: BOB ROCHE	EAU CONTACT: SAME.
ADDRESS: 4820 BASIN	NE 8711/PHONE: 299-9657
SURVEYOR:	CONTACT:
ADDRESS:	PHONE:
CONTRACTOR: GRAPOLD A. MAR	TIN CONTACT: SAME
ADDRESS: P.O. Box 36960	PHONE: 881-4646
PRE-DESIGN MEETING: VES NO COPY OF CONFERENCE RECAP SHEET PROVIDED.	DRB NO EPC NO PROJ. NO
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TYPE OF SUBMITTAL:	CHECK TYPE OF APPROVAL SOUGHT:
DRAINAGE REPORT	SKETCH PLAT APPROVAL
V DRAINAGE PLAN	PRELIMINARY PLAT APPROVAL
CONCEPTUAL GRADING & DRAINAGE PLAN	SITE DEVELOPMENT PLAN APPROVAL
GRADING PLAN	FINAL PLAT APPROVAL
EROSION CONTROL PLAN ENGINEER'S CERTIFICATION	BUILDING PERMIT APPROVAL
ENGINEER S CERTIFICATION	FOUNDATION PERMIT APPROVAL CERTIFICATE OF OCCUPANCY APPROVAL
	CERTIFICATE OF OCCOPANCY APPROVAL
	GRADING/PAVING PERMIT APPROVAL

