

**GENERAL NOTES :**

1. SEE SITE PLAN FOR ALL DIMENSIONS OF BUILDING LAYOUT.
2. PAVING SUBGRADE AND BUILDING PAD AREAS SHALL BE COMPACTED AS DESCRIBED IN GENERAL NOTES OF PLANS.
3. ALL HYDROLOGY CALCULATIONS ARE IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE DEVELOPMENT PROCESS MANUAL (DPM), VOLUME 2, DESIGN CRITERIA, SECTION 22.2 HYDROLOGY, JANUARY, 1993.

**LEGEND :**

- 5300 --- EXISTING CONTOURS
- 96.00 SPOT ELEVATIONS
- FLOW DIRECTION
- TB TOP BACK OF CURB
- FLOW LINE (FL)

**EARTHWORK VOLUMES :**

**SITE 1 EARTHWORK**  
 PRISMOIDAL METHOD  
 ORIGINAL SURFACE      EXIST SURFACE  
 FINAL SURFACE      DES ADD 1  
 CUT COMPACTION FACTOR 0.00 %  
 FILL COMPACTION FACTOR 25.00 % SWELL  
 RAW CUT VOLUME      0.00 CY  
 RAW FILL VOLUME      47.25 CY  
 CMP FILL VOLUME      59.06 CY

**SITE 2 EARTHWORK**  
 PRISMOIDAL METHOD  
 ORIGINAL SURFACE      EXIST SURFACE  
 FINAL SURFACE      DES ADD 2  
 CUT COMPACTION FACTOR 0.00 %  
 FILL COMPACTION FACTOR 25.00 % SWELL  
 RAW CUT VOLUME      40.50 CY  
 RAW FILL VOLUME      5.47 CY  
 CMP FILL VOLUME      6.84 CY

**HYDROLOGY :**

**DISCUSSION**

**GENERAL:**

THIS DRAINAGE AND GRADING PLAN IS FOR A BUILDING PERMIT IN WHICH TWO NEW BUILDING ADDITIONS (1157 S.F. AND 957 S.F.) ARE TO BE ADDED TO AN EXISTING BUILDING. THE EXISTING BUILDING IS ON TRACT X,Y,Z, A-1,C-1 AIRPORT PARK.

**OFFSITE FLOWS:**

NO REVISIONS TO OFFSITE FLOWS HAVE BEEN AFFECTED BY THIS GRADING AND DRAINAGE PLAN.

**LOT ACCESS:**

NO REVISIONS TO LOT ACCESS HAVE BEEN AFFECTED BY THIS GRADING AND DRAINAGE PLAN.

**FENCING:**

NO ADDITIONAL FENCING IS REQUIRED BY THIS GRADING PLAN.

**FLOOD PLAIN STATUS:**

THIS TRACT OF LAND IS WITHIN A FEMA DESIGNATED FLOOD PLAIN IDENTIFIED AS FLOOD ZONE "A".

**DEVELOPED HYDROLOGY:**

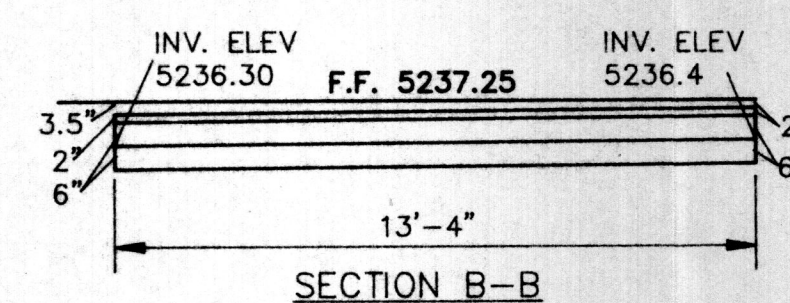
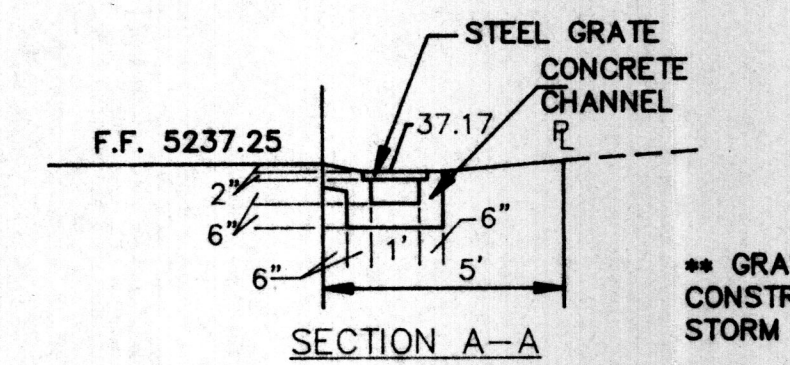
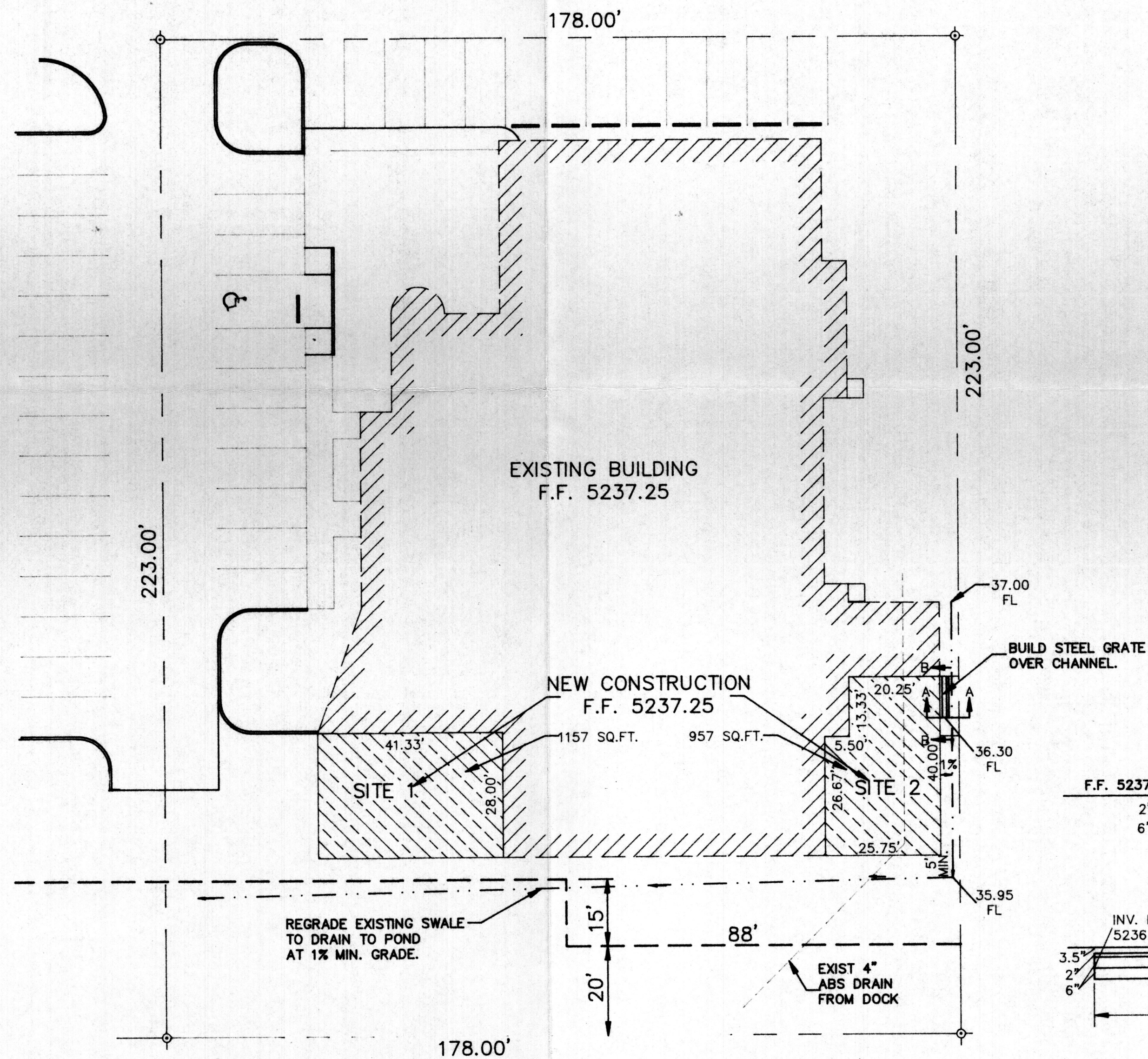
THIS EXISTING BUILDING NOW DRAINS TO AN EXISTING POND AS DESIGNED AND DETAILED PER THE "COMPREHENSIVE DRAINAGE PLAN FOR NEWPORT EAST BUSINESS PARK" DATED 1/82. THIS EXISTING POND CAPACITY IS SHOWN AS 7000 C.F. OF WHICH 1700 C.F. IS CURRENTLY FILLED.

THE PROPOSED DEVELOPMENT INCLUDES TWO ADDITIONS TO BE ADDED TO THE EXISTING STRUCTURE. THE TOTAL AREA OF THE NEW ADDITIONS IS 2,114 S.F. THIS AREA WILL SHIFT FROM TREATMENT TYPE "B" TO TREATMENT TYPE "D".

TABLE			
TREATMENT	AREA (AC)	MAX RUNOFF (CFS/AC)	MAX Q (CFS)
(EXISTING) B	0.049	2.28	0.11
(DEVELOPED) D	0.049	4.70	0.23

**DEVELOPMENT OF THE TWO ADDITIONS WILL INCREASE OFF-SITE FLOWS BY .12 CFS.**  
 THESE FLOWS WILL BE TAKEN TO THE EXISTING SWALE AND THEN TO THE EXISTING POND.

**DEVELOPMENT OF THE TWO ADDITIONS WILL INCREASE THE VOLUME OF THE EXISTING POND BY 248 C.F.**  
 WELL UNDER THE DESIGN CAPACITY.



\*\* GRATE AND GRATE SUPPORTS SHALL BE CONSTRUCTED PER APWA STD. DWGS FOR STORM INLET GRATES, TYPE "D".

**GRADING AND DRAINAGE PLAN**

1"=20'

**BENCH MARK :**

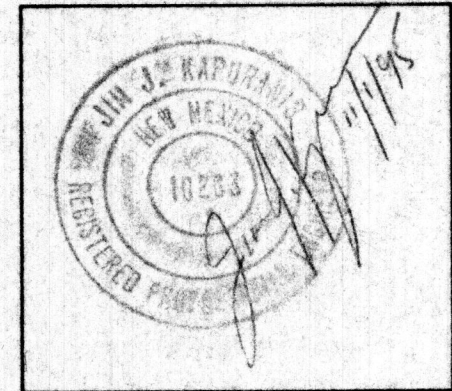
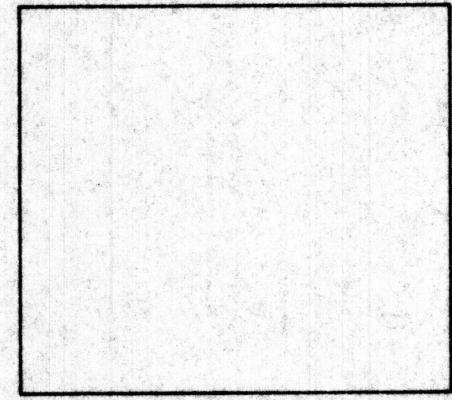
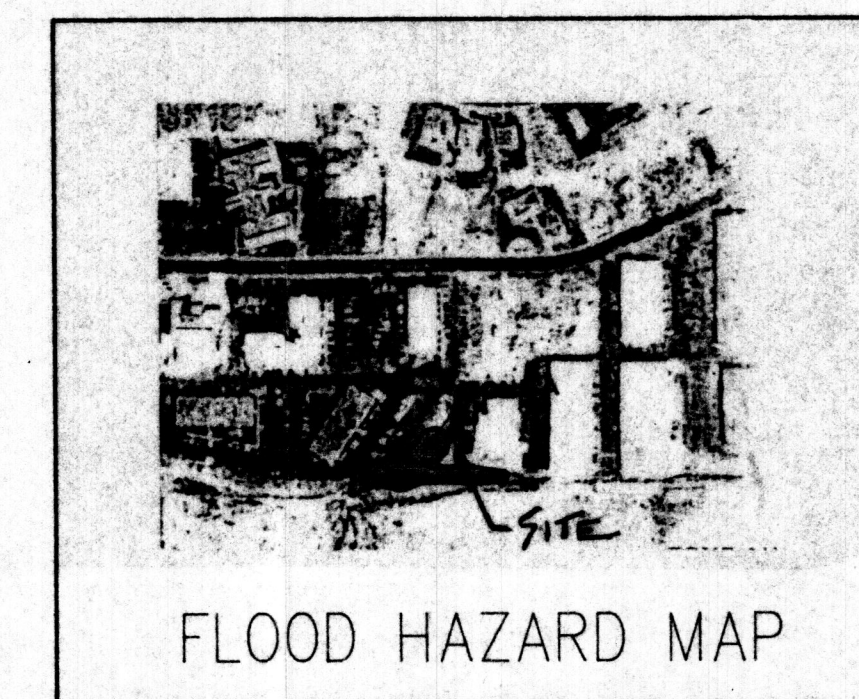
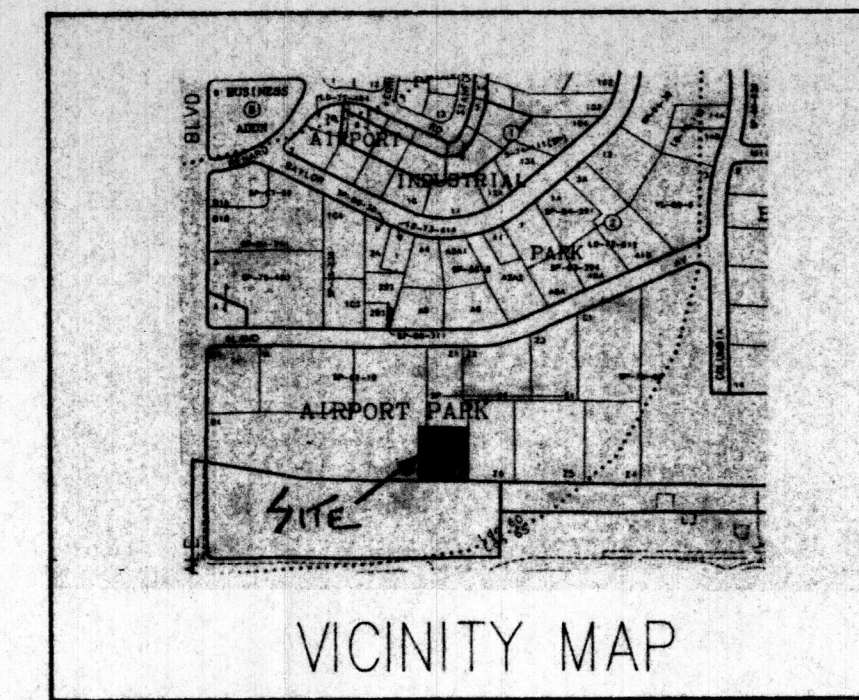
ALL ELEVATIONS SHOWN ARE RELATIVE TO FINISHED FLOOR ELEVATIONS OF THE EXISTING STRUCTURE AT 5237.25 FT.

**ENGINEERS CERTIFICATION :**

I HEREBY CERTIFY THAT I HAVE VISITED THE EXISTING SITE CONDITIONS AND THAT IT APPEARS THAT GRADING FILLING OR EXCAVATION HAS NOT OCCURED SINCE CONTOUR MAP SHOWN HEREON WAS PREPARED.

**LEGAL DESCRIPTION :**

TRACTS X,Y,Z,A-1,C-1 AIRPORT PARK.



**JJK GROUP, INC.**  
 Engineering and Construction  
 3636 MENAUL NE  
 Albuquerque, NM 87110

**DATA CO**  
 2408 ALAMO SE  
 ALBUQUERQUE, NM

**GRADING AND DRAINAGE PLAN**

DESIGNED:	GM
DRAWN:	JJK
CHECKED:	JJK
DATE:	11/1/95
PLOT SCALE:	1"=20'
JOB NO:	10695
COMP. FILE:	GRDPLN
REVISIONS	
DATE:	BY:

**01**  
 SHEET 1 OF 1 SHEETS

