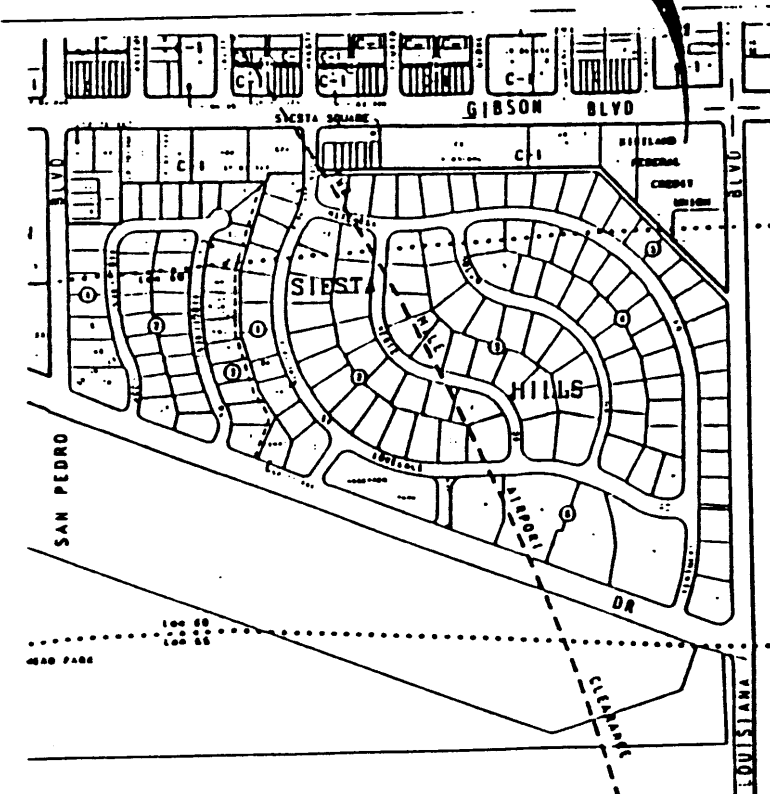
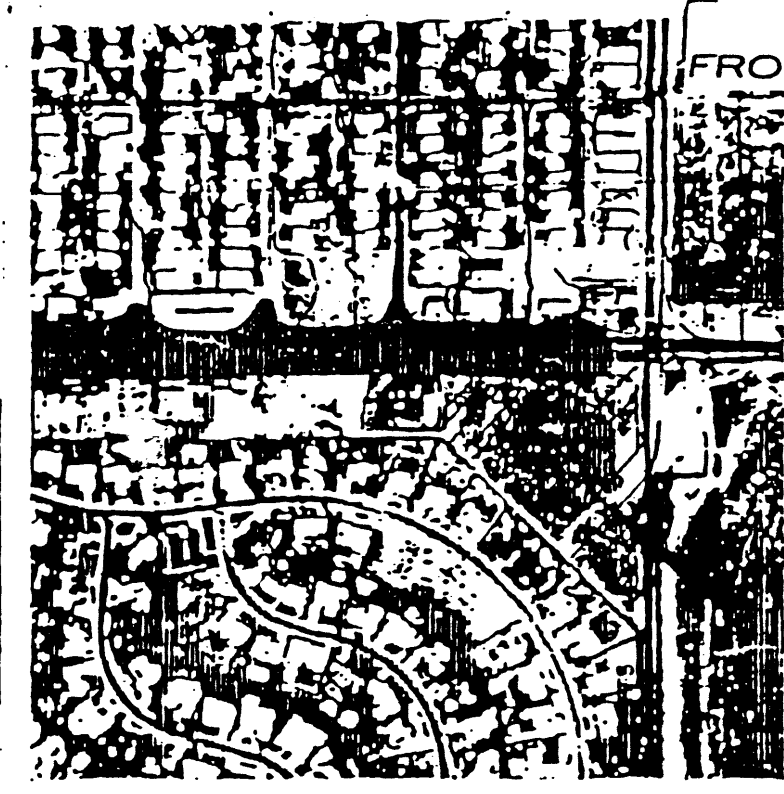


SITE



VICINITY MAP **M-18-Z**



FLOOD HAZARD BOUNDARY MAP

No. 36
FROM F.E.M.A.



SCALE: 1" = 500'

SITE

GENERAL NOTES :

- SEE SITE PLAN FOR ALL DIMENSIONS OF BUILDING LAYOUT THIS SHEET.
- PAVING SUBGRADE AND BUILDING PAD AREAS SHALL BE COMPACTED AS DESCRIBED IN IN GENERAL NOTES OF PLANS.
- 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.
- CURB CONSTRUCTION DIMENSIONS ARE TO BACK OF CURB.

LEGEND :

F.F.	FINISHED FLOOR
TA	TOP ASPHALT
FL	CURB & GUTTER FLOWLINE
87.5	EXISTING SPOT ELEVATION
5395	FINISHED SPOT ELEVATION
5395	EXISTING CONTOUR
---	FINISHED CONTOUR
---	FLOW DIRECTION
---	DRAINAGE AREA BOUNDARY
AS-BUILT	

- KEYED BUILD NOTES**
- BUILD HEADER CURB TO MATCH EXISTING IN PARKING LOT. 0.62' W. X 0.67' H. (ONLY FLOWLINE SHOWN FOR CLARITY.)
 - BUILD 3' CONC. SIDEWALK

LEGAL DESCRIPTION :

PARCELS B & C AS SHOWN ON "SUMMARY PLAT OF PARCELS A, B & C, LANDS OF KIRTLAND FEDERAL CREDIT UNION IN THE CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO", FILED IN THE BERNALILLO COUNTY CLERK'S OFFICE AUG. 4, 1981, VOLUME C18, FOLIO 149.

BENCH MARK

CITY OF ALBUQUERQUE BENCH MARK "G-2"
1929 ELEVATION = 5334.76

GENERAL

DEVELOPMENT ON THIS SITE FOR THIS PROJECT CONSISTS OF CONSTRUCTION OF AN ADDITION TO THE EXISTING STRUCTURE AND EXPANSION OF THE EXISTING EMPLOYEE PARKING FACILITY.

GRADING

GRADING ON THIS PROJECT WILL INVOLVE GRADING RELATED TO CONSTRUCTION OF THE BUILDING ADDITION, PARKING LOT AND ON-SITE DRIVING LANES. IMPORTING APPROXIMATELY 2,280 CU YDS OF MATERIAL WILL BE REQUIRED. AN EARTHWORK SUMMARY FOLLOWS :

EXCAVATION	- 360 CU YD
EMBANKMENT	- 2640 CU YD
(W/25% SHRINKAGE FACTOR)	
BORROW	- 2280 CU YD

DRAINAGE

KIRTLAND FEDERAL CREDIT UNION EMPLOYEE PARKING LOT GRADING AND DRAINAGE PLAN WAS SUBMITTED ON NOVEMBER 28, 1990, AND WAS SUBSEQUENTLY APPROVED. THIS EARLIER PLAN ENCOMPASSED THE ENTIRE SITE, WITH THE PURPOSE BEING THE ADDITION OF EMPLOYEE PARKING AND RELATED GRADING AND DRAINAGE. PART OF THE CURRENT PROJECT IS CONSTRUCTION OF A BUILDING ADDITION. THE AREA WHERE THIS ADDITION WILL BE CONSTRUCTED IS CURRENTLY AN IMPERVIOUS AREA, WITH NEGLIGIBLE LANDSCAPED AREA, SO NO SIGNIFICANT DRAINAGE CHANGES WILL RESULT FROM THIS CONSTRUCTION. AREAS OF DRIVE CONSTRUCTION ON THE SITE BALANCE WITH CURRENT LANDSCAPED AREAS, SO NO SIGNIFICANT DRAINAGE CHANGES WILL RESULT. DRAINAGE AREA A INCLUDES ALL AREA TO BE AFFECTED BY CONSTRUCTION. DRAINAGE AREA B INCLUDES ALL EXISTING AREAS NOT TO BE DISTURBED BY CONSTRUCTION. THE SITE IS IN PRECIPITATION ZONE 3. A SUMMARY OF TREATMENTS AND HYDROLOGY FOLLOWS :

EXCESS PRECIPITATION (100 YR., 24 HR.)

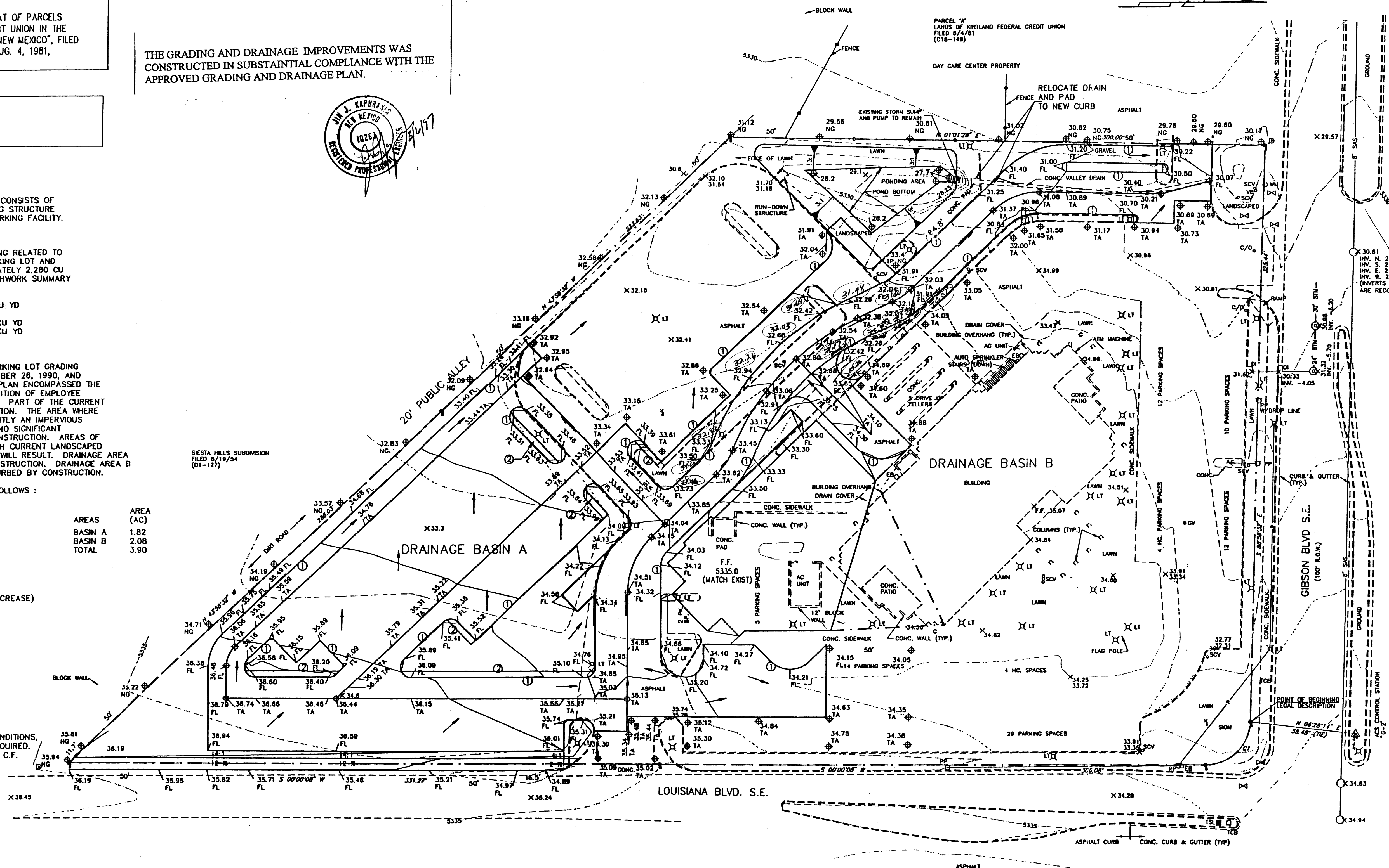
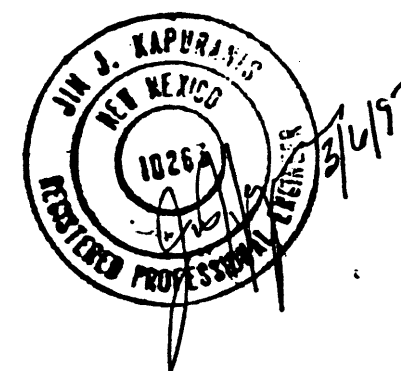
TREATMENT	AREA (AC)	VOL (AC-FT)	VOL (C.F.)	AREAS	AREA (AC)
BASIN A					
B TO B	0.050	0.000	0	BASIN A	1.82
B TO D	0.030	0.005	209	BASIN B	2.08
C TO B	0.248	-0.008	-333	TOTAL	3.90
C TO D	0.657	0.086	3744		
D TO B	0.134	-0.022	-944		
D TO D	0.698	0.000	0		
TOTAL			2676 (INCREASE)		

PEAK DISCHARGE (100 YR)

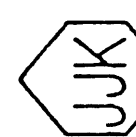
TREATMENT	AREA (AC)	PD (CFS)
BASIN A		
B TO B	0.050	0.000
B TO D	0.030	0.072
C TO B	0.248	-0.211
C TO D	0.657	1.031
D TO B	0.134	-0.324
D TO D	0.698	0.000
TOTAL		0.57 (INCREASE)

SUMMARY :
COMBINING EXISTING AND NEW DEVELOPMENT CONDITIONS, 7,720 C.F. OF STORM DRAINAGE STORAGE IS REQUIRED. LOWERING THE POND BOTTOM AS SHOWN, 7,800 C.F. IS PROVIDED WITHOUT ALTERING THE EXISTING OUTLET SYSTEM. THE EXISTING SUMP PUMP AND FORCE MAIN WILL DRAIN THE POND AT THE EXISTING LOCATION TO GIBSON BLVD. (DRAIN TIME 13.8 HR.).

THE GRADING AND DRAINAGE IMPROVEMENTS WAS CONSTRUCTED IN SUBSTANTIAL COMPLIANCE WITH THE APPROVED GRADING AND DRAINAGE PLAN.



JJK GROUP, INC.
Engineering and Construction



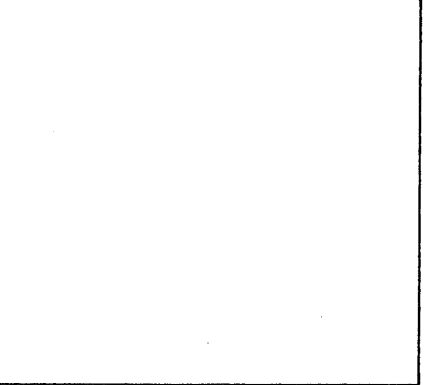
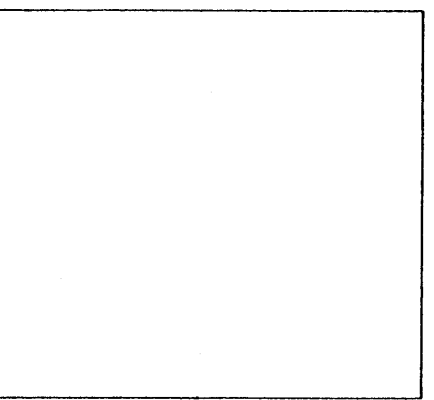
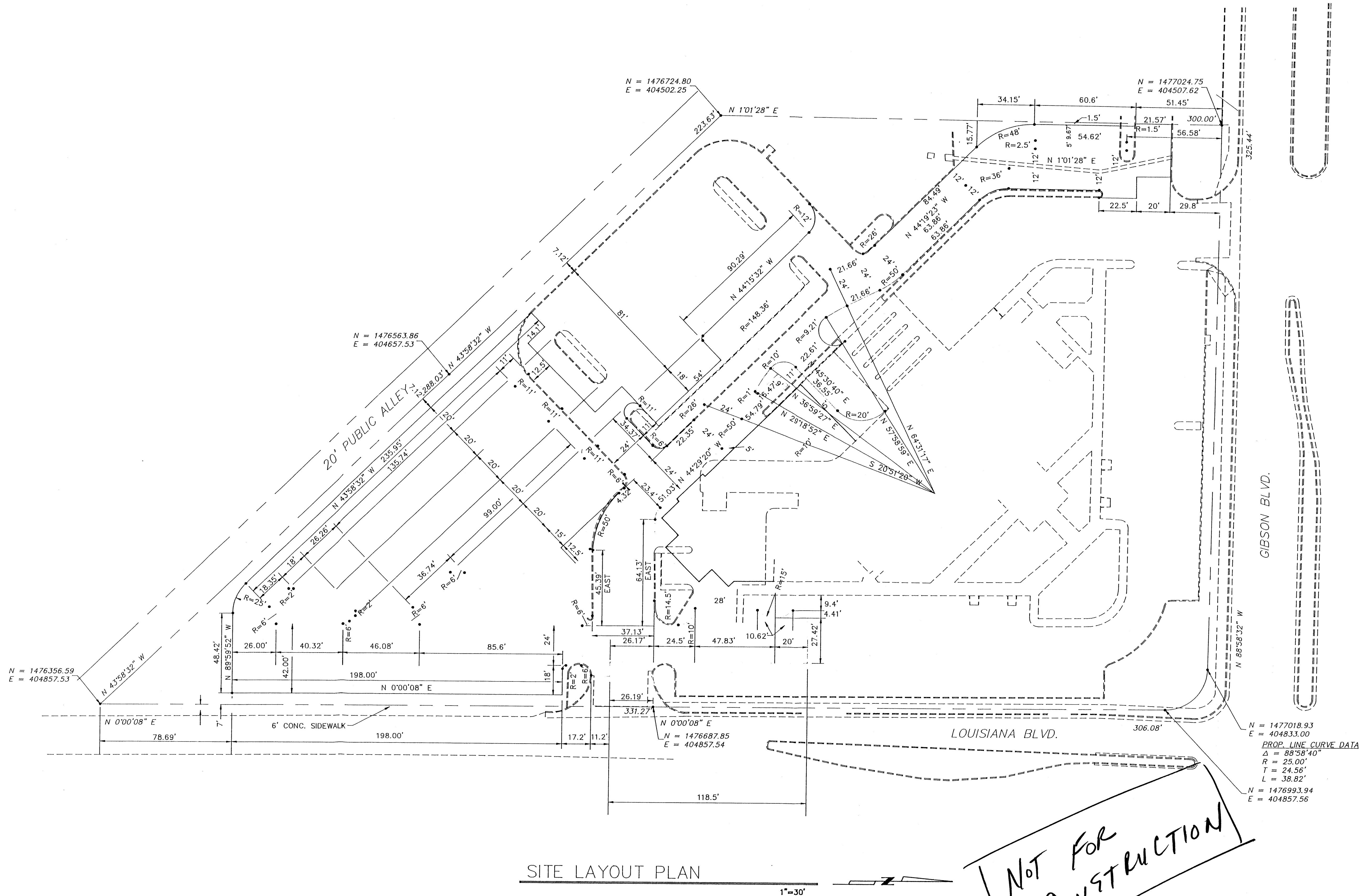
3535 Menaul Northeast, Suite 214
Albuquerque, NM 87111

KIRTLAND FEDERAL CREDIT UNION

GRADING & DRAINAGE PLAN

DESIGNED:	GJM
DRAWN:	GJM
CHECKED:	JJK
DATE:	5-30-96
PLOT SCALE:	1" = 30'
JOB NO:	JOB
COMP. FILE:	GRDSHT.DWG
REVISIONS	
DATE:	BY:

SHEET 2 OF 2 SHEETS



JJK GROUP, INC.
 Engineering and Construction

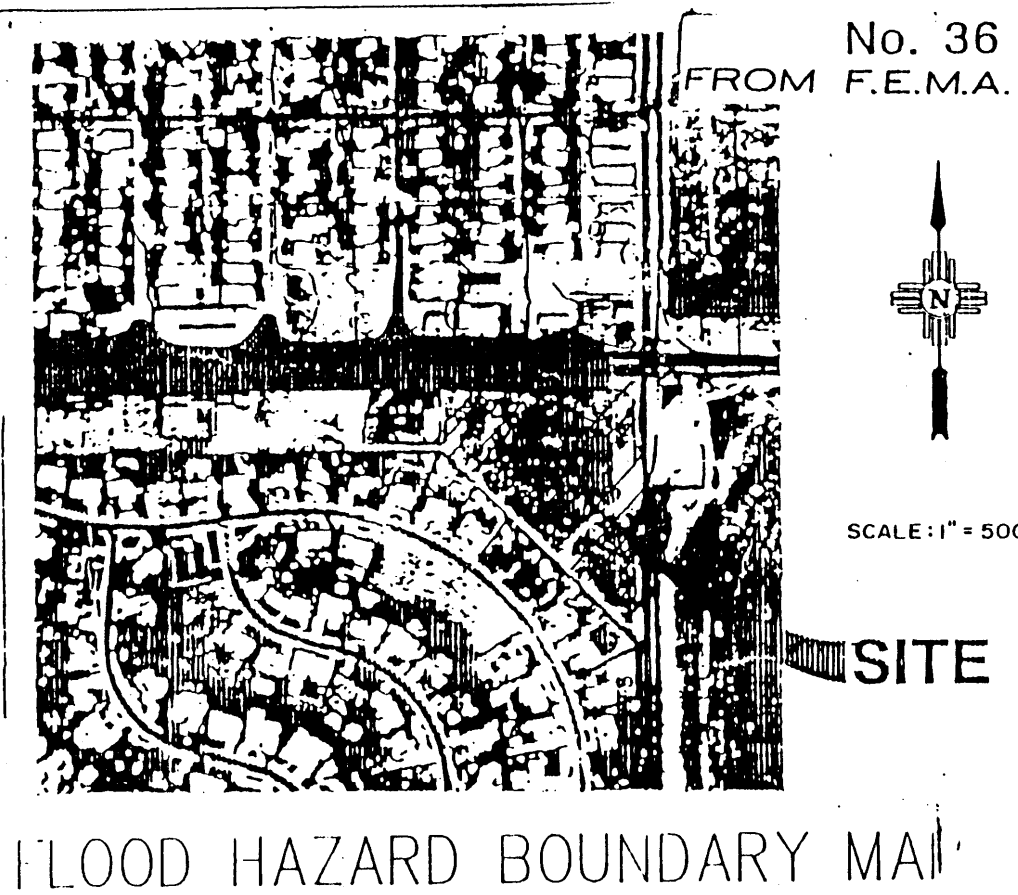
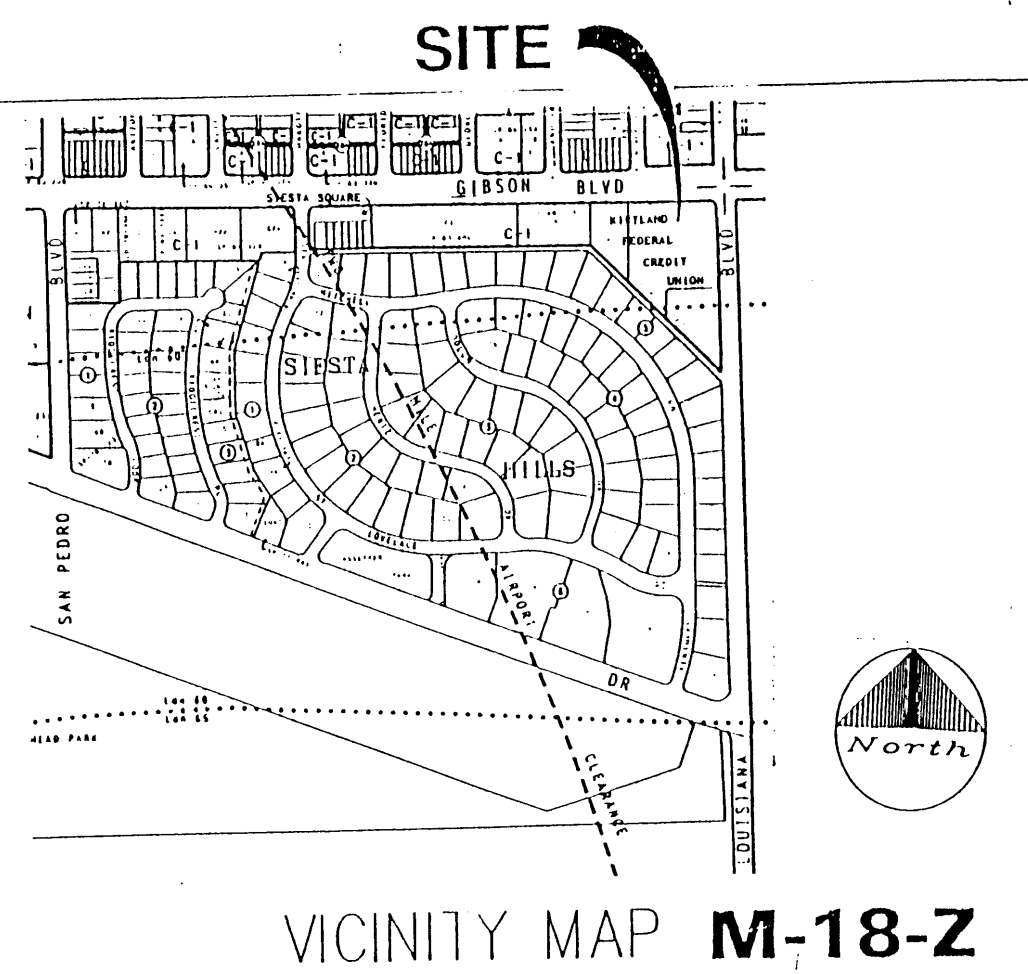
3636 Menaul Northeast, Suite 214
 Albuquerque, NM 87110

PROJECT NAME:	KIRTLAND FEDERAL CREDIT UNION ADDITION
SHEET TITLE:	LAYOUT PLAN

DESIGNED:	GJM
DRAWN:	GJM
CHECKED:	JJK
DATE:	5-30-96
PLOT SCALE:	1"=30'
JOB NO:	16495
COMP. FILE:	LAYOUT.DWG
REVISIONS	
DATE:	BY:

S1

SHEET 1 OF 2 SHEETS



GENERAL NOTES :

- SEE SITE PLAN FOR ALL DIMENSIONS OF BUILDING LAYOUT THIS SHEET.
- PAVING SUBGRADE AND BUILDING PAD AREAS SHALL BE COMPACTED AS DESCRIBED IN IN GENERAL NOTES OF PLANS.
- 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.
- CURB CONSTRUCTION DIMENSIONS ARE TO BACK OF CURB.

LEGEND :

F.F. FINISHED FLOOR
TA TOP ASPHALT
FL CURB & GUTTER FLOWLINE
87.5 EXISTING SPOT ELEVATION
5395 FINISHED SPOT ELEVATION
5395 EXISTING CONTOUR
5395 FINISHED CONTOUR
FLOW DIRECTION
DRAINAGE AREA BOUNDARY

KEYED BUILDING NOTES

- BUILD HEADER CURB TO MATCH EXISTING IN PARKING LOT. 0.62' W. X 0.67' H. (ONLY FLOWLINE SHOWN FOR CLARITY.)
- BUILD 3' CONC. SIDEWALK

LEGAL DESCRIPTION :

PARCELS B & C AS SHOWN ON "SUMMARY PLAT OF PARCELS A, B & C, LANDS OF KIRTLAND FEDERAL CREDIT UNION IN THE CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO", FILED IN THE BERNALILLO COUNTY CLERK'S OFFICE AUG. 4, 1981, VOLUME C18, FOLIO 149.

BENCH MARK

CITY OF ALBUQUERQUE BENCH MARK "G-2"
1929 ELEVATION = 5334.76

THE GRADING AND DRAINAGE IMPROVEMENTS WAS CONSTRUCTED IN SUBSTANTIAL COMPLIANCE WITH THE APPROVED GRADING AND DRAINAGE PLAN.



GENERAL

DEVELOPMENT ON THIS SITE FOR THIS PROJECT CONSISTS OF CONSTRUCTION OF AN ADDITION TO THE EXISTING STRUCTURE AND EXPANSION OF THE EXISTING EMPLOYEE PARKING FACILITY.

GRADING

GRADING ON THIS PROJECT WILL INVOLVE GRADING RELATED TO CONSTRUCTION OF THE BUILDING ADDITION, PARKING LOT AND ON-SITE DRIVING LANES. IMPORTING APPROXIMATELY 2,280 CU YDS OF MATERIAL WILL BE REQUIRED. AN EARTHWORK SUMMARY FOLLOWS :

EXCAVATION = 360 CU YD
EMBANKMENT (W/25% SHRINKAGE FACTOR) = 2640 CU YD
BORROW = 2280 CU YD

DRAINAGE

KIRTLAND FEDERAL CREDIT UNION EMPLOYEE PARKING LOT GRADING AND DRAINAGE PLAN WAS SUBMITTED ON NOVEMBER 28, 1990, AND WAS SUBSEQUENTLY APPROVED. THIS EARLIER PLAN ENCOMPASSED THE ENTIRE SITE, WITH THE PURPOSE BEING THE ADDITION OF EMPLOYEE PARKING AND RELATED GRADING AND DRAINAGE. PART OF THE CURRENT PROJECT IS CONSTRUCTION OF A BUILDING ADDITION. THE AREA WHERE THIS ADDITION WILL BE CONSTRUCTED IS CURRENTLY AN IMPERVIOUS AREA, WITH NEGLIGIBLE LANDSCAPED AREA, SO NO SIGNIFICANT DRAINAGE CHANGES WILL RESULT FROM THIS CONSTRUCTION. AREAS OF DRIVE CONSTRUCTION ON THE SITE BALANCE WITH CURRENT LANDSCAPED AREAS, SO NO SIGNIFICANT DRAINAGE CHANGES WILL RESULT. DRAINAGE AREA A INCLUDES ALL AREA TO BE AFFECTED BY CONSTRUCTION. DRAINAGE AREA B INCLUDES ALL EXISTING AREAS NOT TO BE DISTURBED BY CONSTRUCTION. THE SITE IS IN PRECIPITATION ZONE 3.

A SUMMARY OF TREATMENTS AND HYCROLOGY FOLLOWS :

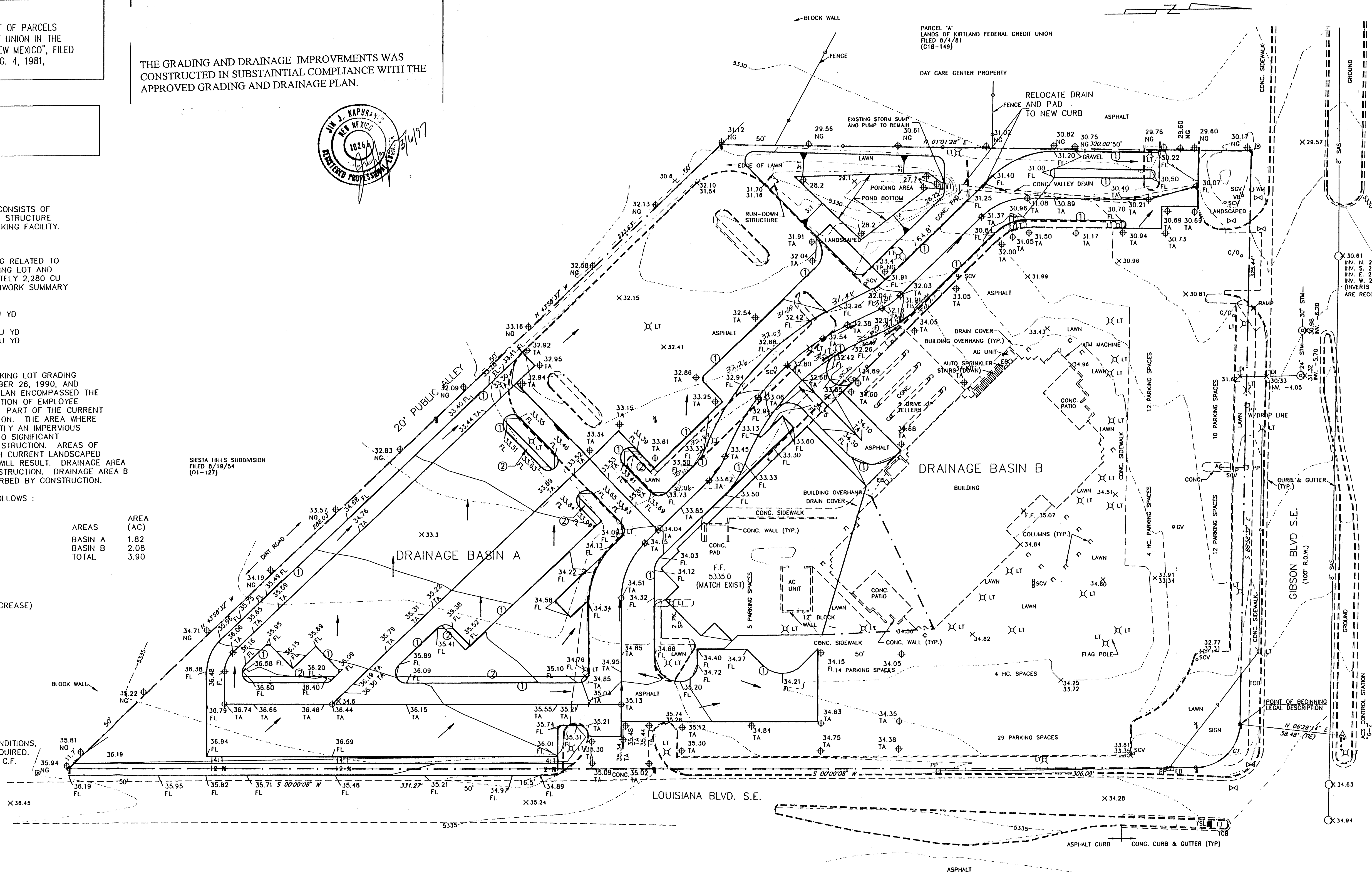
EXCESS PRECIPITATION (100 YR., 24 HR.)

TREATMENT	AREA (AC)	VOL (AC-FT)	VOL (C.F.)
B TO B	0.050	0.000	0
B TO D	0.030	0.005	209
C TO B	0.248	-0.008	-333
C TO D	0.657	-0.086	-3744
D TO B	0.134	-0.022	-944
D TO D	0.698	0.000	0
TOTAL			2676 (INCREASE)

PEAK DISCHARGE (100 YR)

TREATMENT	AREA (AC)	PD (CFS)
B TO B	0.050	0.000
B TO D	0.030	0.072
C TO B	0.248	-0.211
C TO D	0.657	1.031
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D TO D	0.698	0.000
TOTAL		0.57 (INCREASE)

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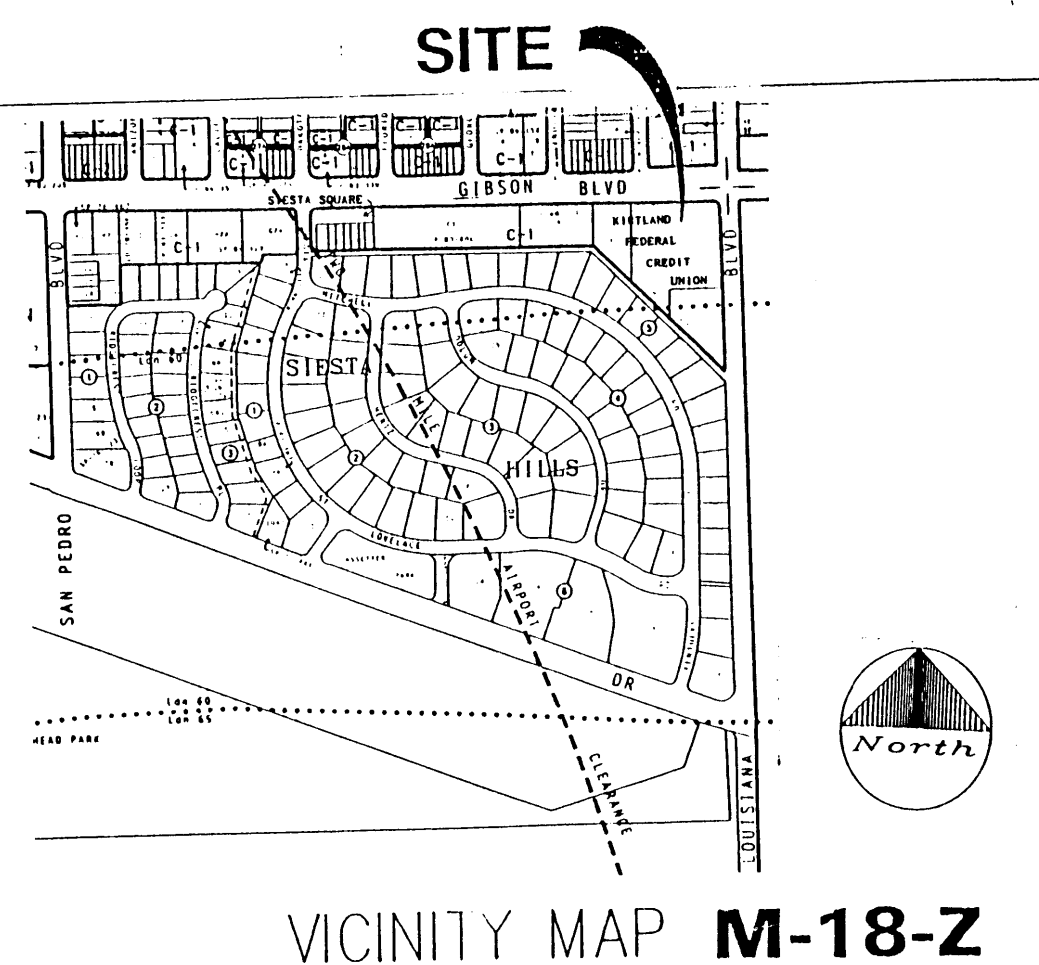
J.K. KAPUR, INC.
Engineering and Construction

KIRTLAND FEDERAL CREDIT UNION

GRADING & DRAINAGE PLAN

DESIGNED: GJM
DRAWN: GJM
CHECKED: JJK
DATE: 5-30-96
PLOT SCALE: 1"=30'
JOB NO: JOB#
COMP. FILE: GRDSHT.DWG
REVISIONS
DATE: BY:

SHEET 2 OF 2 SHEETS



GENERAL NOTES :

- SEE SITE PLAN FOR ALL DIMENSIONS OF BUILDING LAYOUT THIS SHEET.
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- CURB CONSTRUCTION DIMENSIONS ARE TO BACK OF CURB.

LEGEND :

F.F.	FINISHED FLOOR
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87.5	CURB & CUTTER FLOWLINE
5395	EXISTING SPOT ELEVATION
5395	FINISHED SPOT ELEVATION
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5395	FINISHED CONTOUR
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5395	DRAINAGE AREA BOUNDARY

KEYED BUILD NOTES

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CITY OF ALBUQUERQUE BENCH MARK "G-2"
1929 ELEVATION = 5334.76

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EMBANKMENT	= 2640 CU YD
(W/25% SHRINKAGE FACTOR)	= 2280 CU YD
BORROW	= 2280 CU YD

DRAINAGE

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A SUMMARY OF TREATMENTS AND HYCROLOGY FOLLOWS :

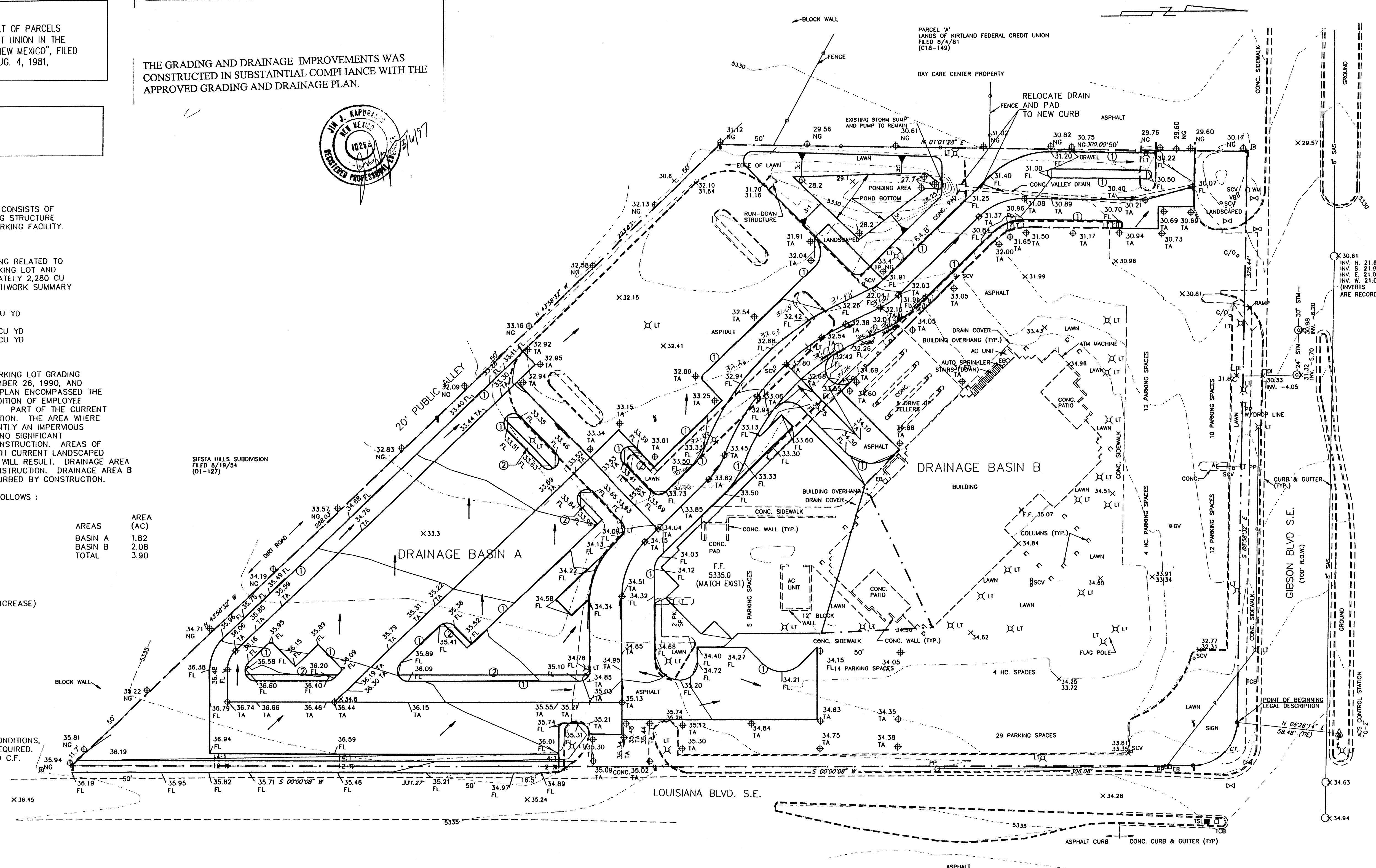
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BASIN A				BASIN A	1.82
CHANGE	0.050	0.000	0	BASIN B	2.08
B TO B	0.030	0.005	209	TOTAL	3.90
C TO B	0.248	-0.008	-333		
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PEAK DISCHARGE (100 YR)

TREATMENT	AREA (AC)	PD (CFS)
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C TO B	0.248	-0.211
C TO D	0.657	1.031
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JJK GROUP, INC.
Engineering and Construction

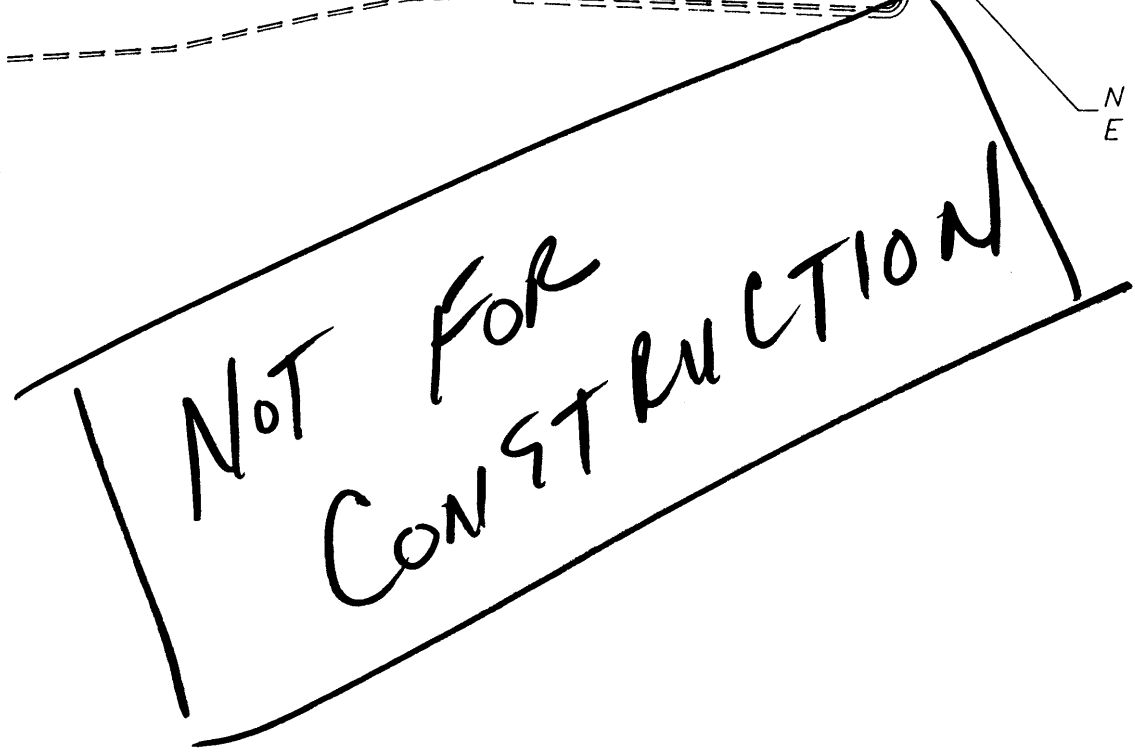
3636 Meraul Northeast, Suite 214
Albuquerque, NM 87111

KIRTLAND FEDERAL CREDIT UNION

GRADING & DRAINAGE PLAN

DESIGNED:	GJM
DRAWN:	GJM
CHECKED:	JJK
DATE:	5-30-96
PLOT SCALE:	1"=30'
JOB NO.:	JOB#
COMP. FILE:	GRDSHT.DWG
REVISIONS	
DATE:	BY:

SHEET 2 OF 2 SHEETS

 $1'' = 30'$

NOT FOR CONSTRUCTION

S1

SHEET 1 OF 2 SHEETS