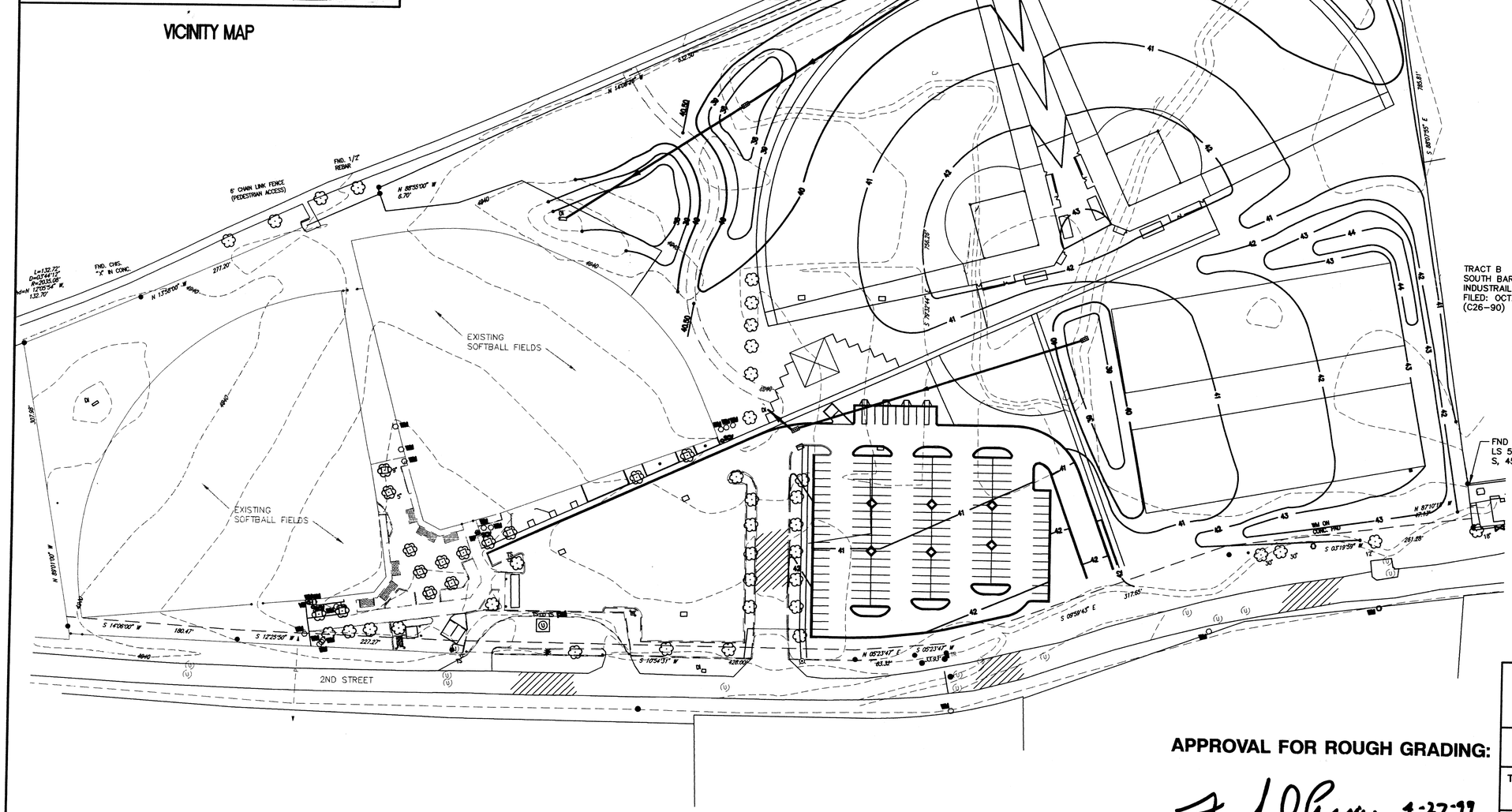
VICINITY MAP



ROUGH GRADING NOTES

1. THE PROPERTY IS IN FLOOD ZONE X (FIRM MAPS 35001C0334D AND 35001C0342D). THE IMPROVEMENTS WILL NOT ALTER THE FLOOD ZONE DESIGNATION.
2. THE SITE DOES NOT ACCEPT ANY OFF-SITE FLOWS.
3. ALL OF THE RUNOFF GENERATED ON THE SITE WILL REMAIN ON THE SITE.
4. THE PROPOSED IMPROVEMENTS DO NOT CHANGE THE ON-SITE FLOW DRAINAGE PATTERNS.
5. THE CONCEPT WILL UTILIZE DETENTION BASINS WITH CONTROLLED DISCHARGE TO EXISTING CATCH BASINS. THE OUTFLOW FROM THE UNDEVELOPED AREA WILL NOT EXCEED THE HISTORIC FLOW RATES OF THE UNDEVELOPED AREA.
6. THIS REQUEST IS FOR ROUGH GRADING PURPOSES ONLY. SEC WILL PREPARE AND MAKE A DRAINAGE SUBMITTAL TO THE DRB FOR BUILDING PERMIT APPROVAL AT A LATER DATE.

EROSION CONTROL MEASURES:

7. THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE SITE INTO PUBLIC RIGHT-OF-WAY OR ONTO PRIVATE PROPERTY.
8. THE CONTRACTOR SHALL PROMPTLY CLEAN UP ANY MATERIAL EXCAVATED WITHIN THE PUBLIC RIGHT-OF-WAY SO THAT THE EXAVATED MATERIAL IS NOT SUSCEPTIBLE TO BEING WASHED DOWN THE STREET.
9. THE CONTRACTOR SHALL SECURE "TOPSOIL DISTURBANCE PERMIT" PRIOR TO BEGINNING CONSTRUCTION.
10. ANY AREAS OF EXCESS DISTURBANCE (TRAFFIC ACCESS, STORAGE YARD, EXCAVATED MATERIAL, ETC.) SHALL BE RE-SEEDED ACCORDING TO C.O.A. SPEC. SEC. 1012 "NATIVE GRASS SEEDING." THIS WILL BE CONSIDERED INCIDENTAL TO CONSTRUCTION, THEREFORE, NO SEPARATE PAYMENT WILL BE MADE.

50' 25' 0 50' 100'

SCALE: 1" = 50'

GRADING PLAN

SCALE: 1" = 50'-0"

APPROVAL FOR ROUGH GRADING:

4-27-99

DATE

PROJECT NO. 199200

Smith Engineering Company

A Full Service Engineering Company

6400 Uptown Boulevard, N.E. Suite 500E Albuquerque, New Mexico 87110

CITY OF ALBUQUERQUE
CAPITAL IMPLEMENTATION PROGRAM
LANDSCAPE ARCHITECTURE AND CONSTRUCTION SERVICES

TITLE: BARELAS RAILROAD PARK IMPROVEMENTS PROJECT

PRELIMINARY GRADING PLAN

Design Review Committee	City Engineer Approval	Last Design Update	Mo. / Day / Yr.	Mo. / Day / Yr.

City Project No.

Zone Map No. L-14-Z

Sheet 1 Of 1

AS BUILT INFORMATION

CONTRACTOR		DATE
WORK STAKED BY		DATE
INSPECTOR'S ACCEPTANCE BY		DATE
FIELD VERIFICATION BY		DATE
DRAWINGS CORRECTED BY		DATE

MICRO-FILM INFORMATION

RECORDED BY DATE

NO.

BENCH MARKS

ELEVATIONS ARE SLD 1929 DATA BASED ON C.O.A. BENCH MARK "11-L14," ELEV. = 4944.26. UNLESS OTHERWISE INDICATED, ALL PROPERTY CORNERS ARE MARKED WITH A P.K. NAIL W/SHINER, "X" IN CONCRETE OR AN IRON STAKE SURMOUNTED WITH A CAP STAMPED P.S. 10464.

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
	ABQ. SURVEY CO.	03/99

ENGINEERS SEAL

PAUL J. CONLEY NEW MEXICO 10464 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGNED BY	PJC	DATE April 1999
DRAWN BY	AEP	DATE April 1999
CHECKED BY	PJC	DATE April 1999

N:\199200\DRAWINGS\9200base.dwg Fri Apr 23 13:48:33 1999 Jim Spinello

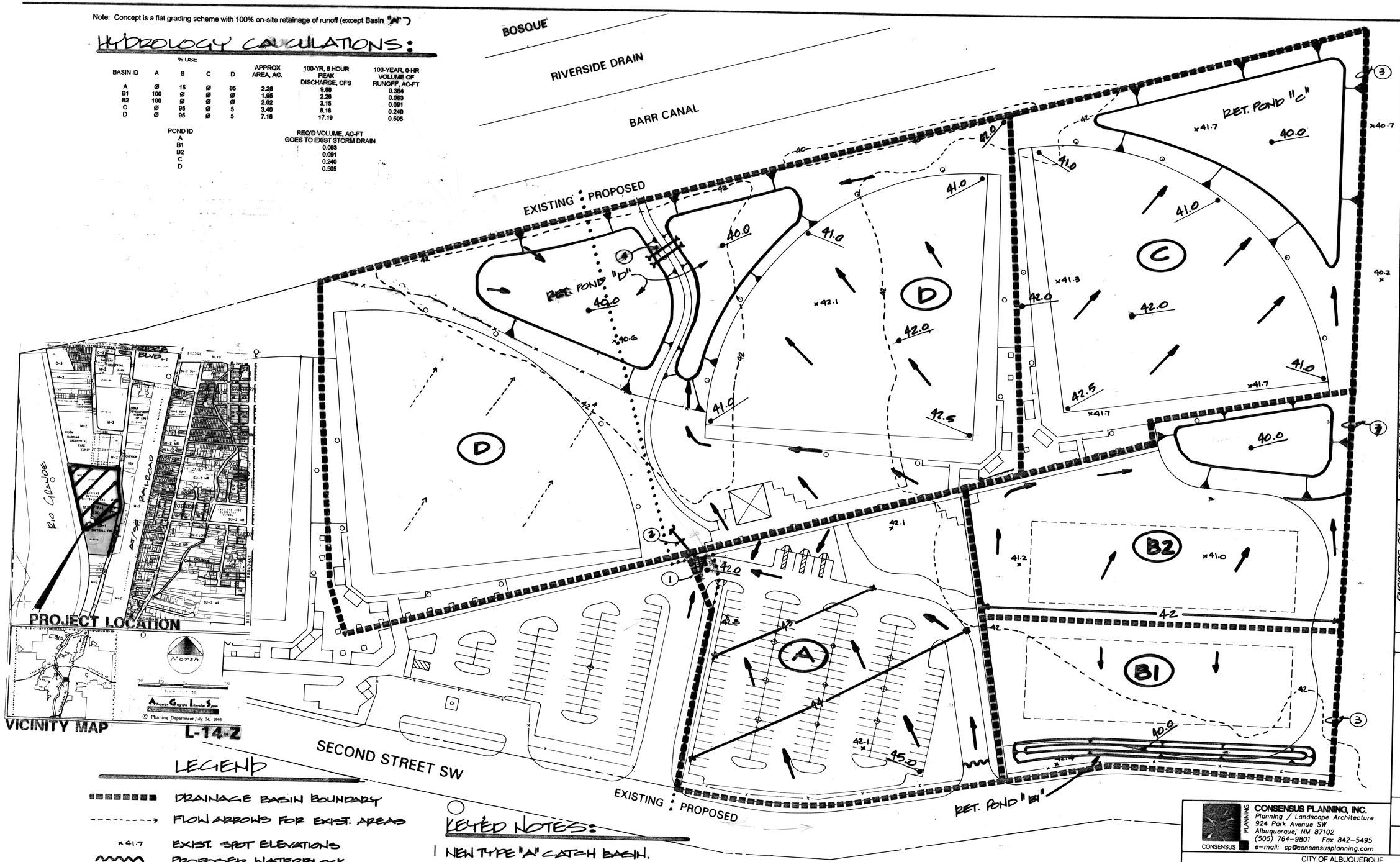
(Barelas RR Park)

Note: Concept is a flat grading scheme with 100% on-site retainage of runoff (except Basin "A")

HYDROLOGY CALCULATIONS:

BASIN ID	% USE A	B	C	D	APPROX AREA, AC.	100-YR, 6 HOUR PEAK DISCHARGE, CFS	100-YEAR, 6-HR VOLUME OF RUNOFF, AC-FT
A	Ø	15	Ø	85	2.28	9.88	0.364
B1	100	Ø	Ø	Ø	1.95	2.28	0.063
B2	100	Ø	Ø	Ø	2.02	3.15	0.091
C	Ø	95	Ø	5	3.40	8.16	0.240
D	Ø	95	Ø	5	7.16	17.19	0.505

POND ID	REQ'D VOLUME, AC-FT GOES TO EXIST STORM DRAIN
A	0.063
B1	0.091
B2	0.240
C	0.505
D	



LEGEND

- DRAINAGE BASIN BOUNDARY
- FLOW ARROWS FOR EXIST. AREAS
- ×41.7 EXIST. SPOT ELEVATIONS
- PROPOSED WATERBLOCK
- 41.0 PROPOSED SPOT ELEVATION
- PROPOSED FLOW ARROWS
- 42 PROPOSED CONTOUR
- (D) DRAINAGE BASIN DESIGNATION

KEYED NOTES:

1. NEW TYPE "A" CATCH BASIN.
2. NEW 24" CONNECTOR PIPE TO EX. STORM DRAIN SYSTEM.
3. PERMANENT BERM TO PROTECT SITE FROM OFF-SITE FLOWS. TOP OF BERM MIN. 1' ABOVE EX. ADJACENT OFF-SITE GRADE.
4. NEW 24" CULVERT BALANCING PIPES UNDER FOOT PATH.

SCALE: 1" = 50'

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NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEERS SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGN
DESIGNED BY — DATE 1-99
DRAWN BY — DATE 1-99
CHECKED BY — DATE 1-99

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CITY OF ALBUQUERQUE
CAPITAL IMPLEMENTATION PROGRAM
LANDSCAPE ARCHITECTURE & CONSTRUCTION SERVICES

TITLE: BARELAS RAILROAD PARK
CONCEPTUAL DRAINAGE & GRADING PLAN

Design Review Committee | City Engineer Approval | Last Design Update | No. / Day / Yr. | No. / Day / Yr.

City Project No. | Zone Map No. L-14 | Sheet DG-1