

EROSION CALCULATIONS

THE FOLLOWING CALCULATIONS ARE BASED ON PROCEDURES
DETAILED IN THE CITY OF ALBUQUERQUE DEVELOPMENT PROCESS
MANUAL, SECTION 22.2, REVISED JANUARY, 1988. THIS SITE IS
IN ZONE 2 AS SHOWN ON FIGURE A-1.

EXISTING ON-SITE CONDITIONS:

TREATMENT TYPE	AREA (acres)	UNIT RUNOFF (cfs/ac)	MAX Q (cfs)	UNIT VOL (in/ac)	TOTAL VOL (cf)
A	0.000	1.56	0.00	0.53	0
B	0.113	2.28	0.25	0.78	320
C	0.038	3.14	0.12	1.13	158
D	0.335	4.70	1.57	2.12	2983

TOTAL AREA 0.484 ac Q(100) = 1.94 cfs V(100) = 3030 cf
Q(10) = 0.667 X 1.94 = 1.29 cfs
V(10) = 0.667 X 3030 = 2027 cf

PROPOSED ON-SITE CONDITIONS

TREATMENT TYPE	AREA (acres)	UNIT RUNOFF (cfs/ac)	MAX Q (cfs)	UNIT VOL (in/ac)	TOTAL VOL (cf)
A	0.000	1.56	0.00	0.53	0
B	0.113	2.28	0.25	0.78	320
C	0.020	3.14	0.06	1.13	82
D	0.351	4.70	1.85	2.12	2701

TOTAL AREA 0.484 ac Q(100) = 1.96 cfs V(100) = 3,103 cf
Q(10) = 0.667 X 1.96 = 1.31 cfs
V(10) = 0.667 X 3103 = 2,069 cf

INCREASE IN RUNOFF DUE TO THIS PROJECT

Q(100) = 0.02 cfs
Q(10) = 0.02 cfs
V(100) = 84 cfs
V(10) = 42 cfs

LEGAL DESCRIPTION

LOT 18, TRACT A-1 RICHFIELD PARK
ALBUQUERQUE, NEW MEXICO

ENGINEER'S CERTIFICATION

THE SITE HAS BEEN COMPLETED IN SUBSTANTIAL COMPLIANCE WITH THE ORIGINAL
GRADING AND DRAINAGE PLAN EXCEPT AS IDENTIFIED BY AS-CONSTRUCTED ON THE
ABOVE GRADING PLAN AND AS FOLLOWS:

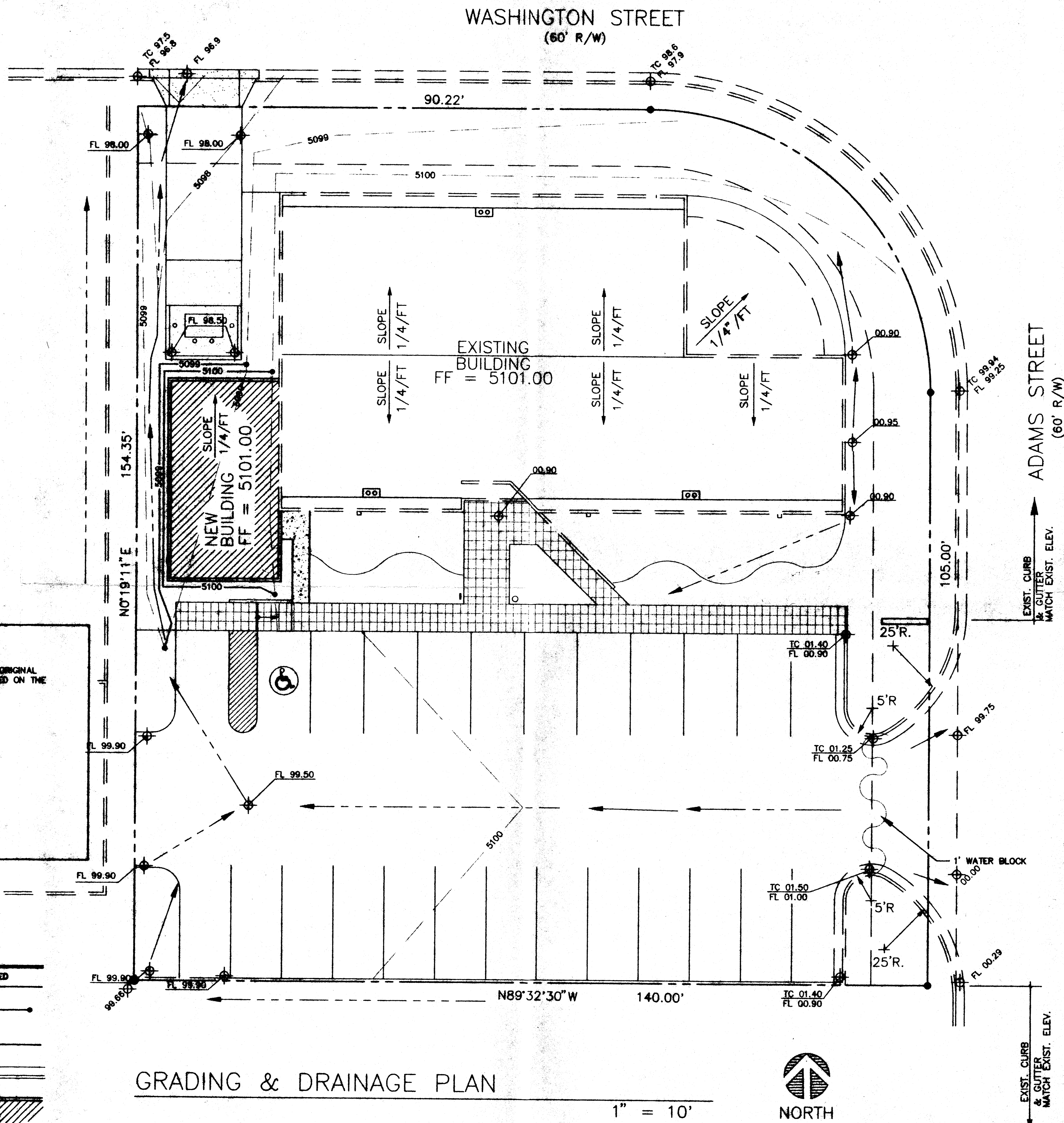
-NO SIGNIFICANT CHANGES

LARRY D. READ P.E.



LEGEND

	EXISTING	PROPOSED
CONTOUR	5090	5099
PROPERTY LINE	---	---
CURB & GUTTER	---	---
BUILDING	---	---



GRADING & DRAINAGE PLAN

1" = 10'

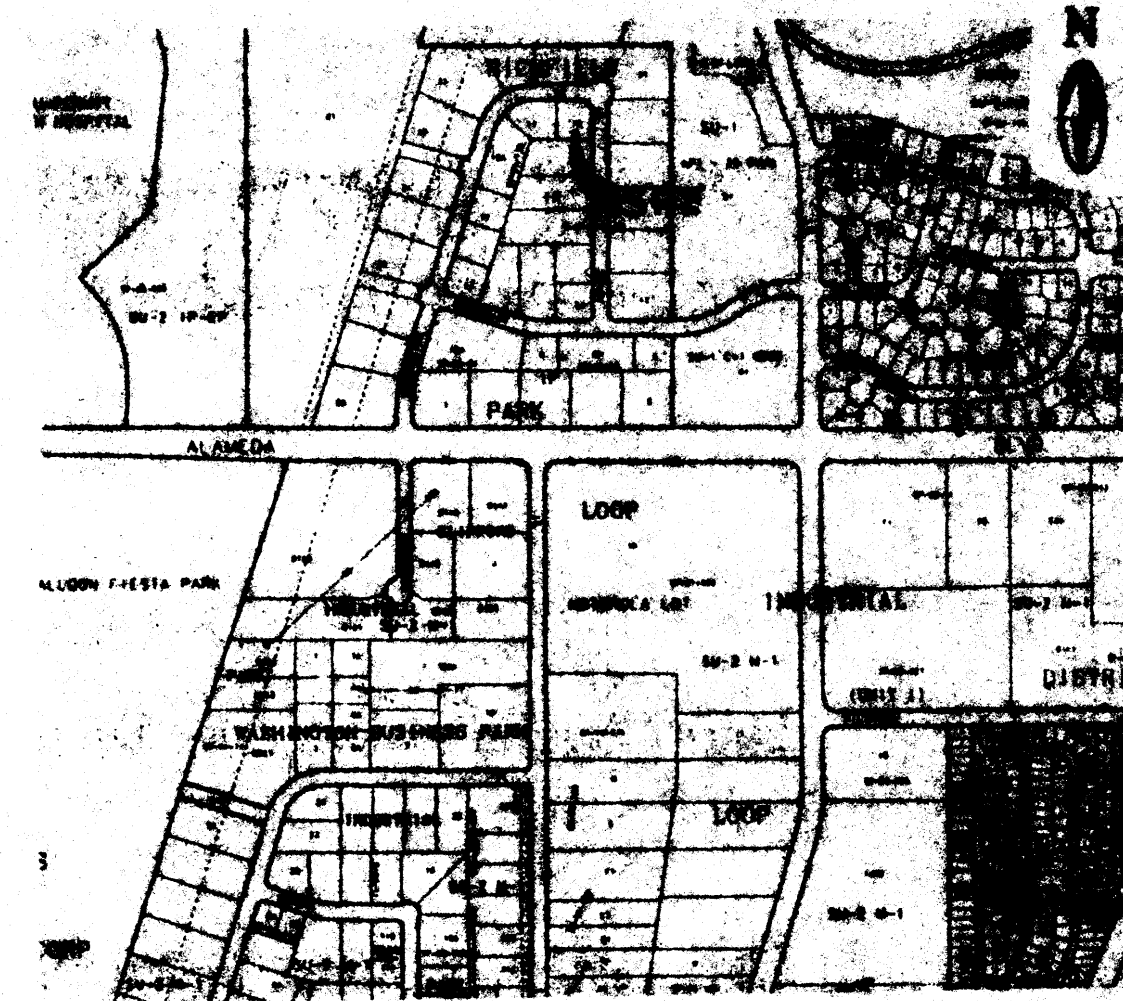


BDA ARCHITECTURE
8000 UPTOWN BLVD. NE
SUITE 2314 (505)266-0593
ALBUQUERQUE, NM 87110

PROJECT: WAREHOUSE ADDITION

LOCATION: 9018 WASHINGTON STREET NE
ALBUQUERQUE, NEW MEXICO

OWNER: WAYNE USIAK



1" = 750'

VICINITY MAP

ZONE ATLAS: C-17

DRAINAGE PLAN

PURPOSE:

The purpose of this grading and drainage plan is to add a 715 sq ft warehouse addition to the west side of the existing building and to conform to the approved Master Grading and Drainage Plan prepared by Espey-Huston & Associates in 1986.

EXISTING CONDITIONS:

The site is currently developed with a 4500 square foot office building and 7800 square feet of paved parking. The existing grading slopes to the northwest where runoff is discharged into Washington Street. The properties to the west and south of the site are currently developed. The site does not lie in a 100-year floodplain.

PROPOSED CONDITIONS:

As shown by the plan, the development consists of an office building with associated parking and landscaping. All runoff exits the site at the northwest corner of the property. Downstream storm related infrastructure is constructed per the approved Master Plan and there are no apparent problems. The Master Plan was prepared for the Richfield Park Additions by Espey-Huston and dated August 1, 1986.

CALCULATIONS:

The calculations submitted with this plan define the 100 year-6 hour design storm in Zone 2 falling within the project area under existing and developed conditions. The Hydrology is per Section 22.2 of the Development Process Manual, Volume 2, Design Criteria, for the City of Albuquerque, New Mexico in cooperation with Bernalillo County, New Mexico and the Albuquerque Metropolitan Arroyo Flood Control Authority, dated January, 1993.

EROSION CONTROL

The contractor shall ensure that no soil erodes from the site into public right-of-way or onto private property. This can be achieved by constructing temporary berms at the property lines and wetting the soil to keep it from blowing.

GRADING AND DRAINAGE PLAN

DATE: 8/97 DRAWN: LDR CHECKED: LDR

APPROVED: _____

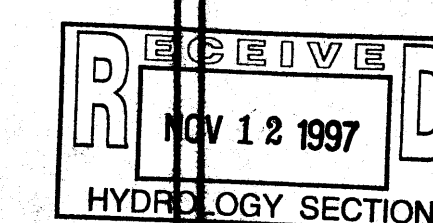
REVISIONS:

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ARCH. SEAL

ENGR. SEAL

SHEET:



C2
1 of 1

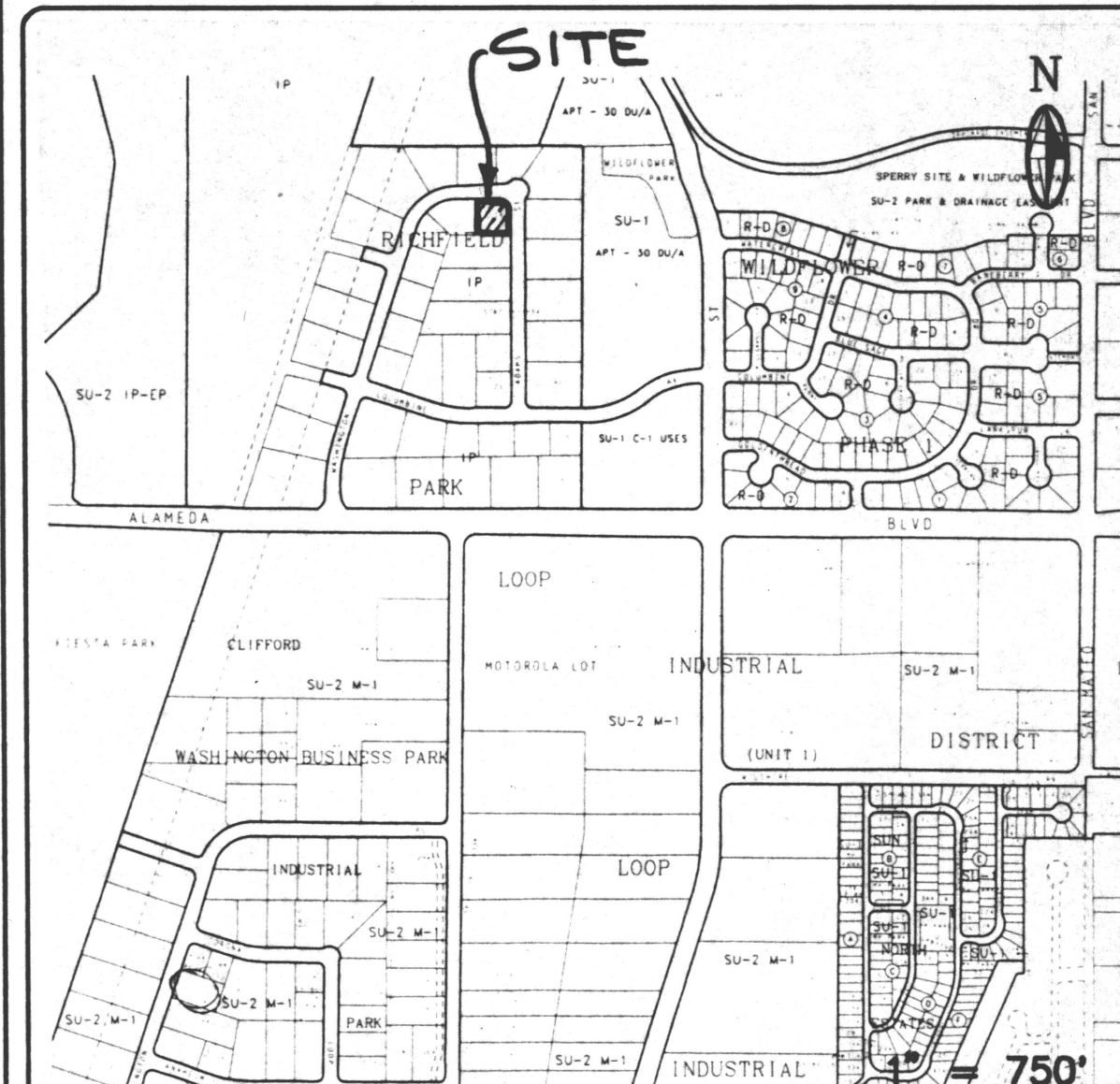


BDA ARCHITECTURE
6000 UPTOWN BLVD. NE.
SUITE #314 (505)266-0593
ALBUQUERQUE, NM 87110

PROJECT: BDA ARCHITECTURE

LOCATION: XXXX ADAMS STREET NE
ALBUQUERQUE, NEW MEXICO

OWNER WAYNE USIAK



VICINITY MAP

ZONE ATLAS: C-17

DRAINAGE PLAN

PURPOSE:

The purpose of this grading and drainage plan is to properly develop the site to conform to the approved Master Grading and Drainage Plan prepared by Espey-Huston & Associates in 1986.

EXISTING CONDITIONS:

The site is currently undeveloped and slopes from the southeast to the northwest at a slope of approximately 1 percent. The site was roughly graded at the time the roads and infrastructure were installed. The properties to the west and south of the site are currently developed. The site does not lie in a 100-year flood plain.

PROPOSED CONDITIONS:

As shown by the plan, the development consists of an office building with associated parking and landscaping. Downstream systems proposed by the approved Master Plan are in place and there are no apparent problems. The Master Plan was prepared for the Richfield Park Additions by Espey-Huston and dated August 1, 1986.

CALCULATIONS:

The calculations submitted with this plan define the 100 year-6 hour design storm falling within the project area under existing and developed conditions. The Hydrology is per "Section 22.2, Hydrology of the Development Process Manual, Volume 2, Design Criteria, for the City of Albuquerque, New Mexico in cooperation with Bernalillo County, New Mexico and the Albuquerque Metropolitan Arroyo Flood Control Authority, dated January, 1993.

EROSION CONTROL

The contractor shall ensure that no soil erodes from the site into public right-of-way or onto private property. This can be achieved by constructing temporary berms at the property lines and wetting the soil to keep it from blowing.

SITE PLAN

DATE: 11/94 DRAWN: STAFF CHECKED: JSM

APPROVED:

REVISIONS:

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ARCH. SEAL

ENGR. SEAL

SHEET:

C2

X OF X

