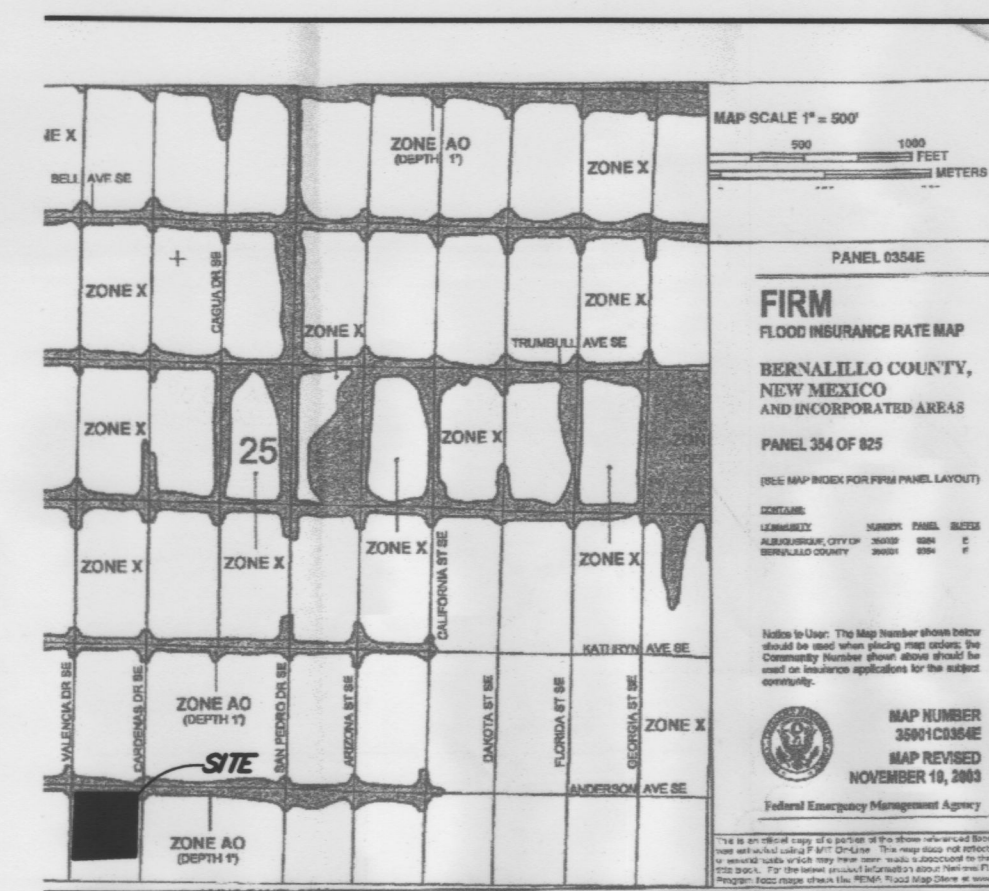


GRADING PLAN
SCALE: 1"=20'

01



FIRM - PANEL Q354E
NTS

GENERAL LEGEND

EXISTING CONTOUR

PROPOSED SPOT ELEVATION
ADD 5100 TO SPOT ELEVATIONS

TOP OF ASPHALT TA
TOP BACK OF CURB TBC
FLOWLINE ELEVATION FL
TOP OF SIDEWALK TSW
FLOW ARROW
TRAFFIC CIRCULATION

KEYED NOTES

- 1 PULVERIZE ASPHALT - REPLACE W/ 2" TYPE "B" RES.
- 2 PULVERIZE ASPHALT - REPLACE W/ 4" TYPE "B" RES.
- 3 NEATCUT EXIST. CONCRETE. REPLACE W/ 4" CONCRETE
- 4 NEATCUT EXIST. PAVEMENT
- 5 REMOVE BLOCK WALL REMNANT
- 6 REMOVE PLANTER
- 7 DO NOT DISTURB WATER METER
- 8 4" SOLID WHITE PAVEMENT MARKING
- 9 STANDARD PARKING STALL 8.5'X20'
- 10 SMALL CAR PARKING STALL 7.5'X15'
- 11 HANDICAP SPACES (8.5'X3.5'X20')
- 12 INTERNATIONAL SYMBOL FOR DISABILITY (WHITE MARKING)

CALCULATIONS

THE FOLLOWING CALCULATIONS WERE DEVELOPED
USING THE CITY OF ALBUQUERQUE DPM SECTION 22.2

SITE CHARACTERISTICS:

SITE LOCATION: ZONE 3
PRECIPITATION: P=2.60 inches

LAND TREATMENT:
UNCOMPACTED SOIL - TREATMENT A
LANDSCAPE - TREATMENT B
COMPACTED SOIL - TREATMENT C
BUILDINGS & PAVING - TREATMENT D

EXCESS PRECIPITATION:
TREATMENT A E = 0.66 inches
TREATMENT B E = 0.92 inches
TREATMENT C E = 1.29 inches
TREATMENT D E = 2.36 inches

PEAK DISCHARGE:
TREATMENT A = 1.87 cfs/acre
TREATMENT B = 2.60 cfs/acre
TREATMENT C = 3.45 cfs/acre
TREATMENT D = 5.02 cfs/acre

EXISTING PROPOSED
TREATMENT A = 0.00 AC. = 0.0% 0.00 AC. = 0.0%
TREATMENT B = 0.00 AC. = 0.0% 0.00 AC. = 0.0%
TREATMENT C = 0.28 AC. = 0.0% 0.28 AC. = 15.0%
TREATMENT D = 1.57 AC. = 0.0% 1.57 AC. = 85%
TOTAL AREA = 1.85 AC.

ONSITE - EXCESS PRECIPITATION & VOLUMETRIC RUNOFF:

EXISTING RUNOFF:
WEIGHTED $E = [(0.66)(0.00) + (0.92)(0.00) + (1.29)(0.28) + (2.36)(1.57)] / 1.85$
= 2.20 inches
 $V_{100-6HR} = (2.20)(1.85) / 12 = 0.33909$ acre ft = 14,771 cf

DEVELOPED RUNOFF:
WEIGHTED $E = [(0.66)(0.00) + (0.92)(0.00) + (1.29)(0.28) + (2.36)(1.57)] / 1.85$
= 2.20 inches
 $V_{100-6hr} = (2.20)(1.85) / 12 = 0.33909$ acre ft = 14,771 cf

ON-SITE - PEAK DISCHARGE

EXISTING DISCHARGE:
 $Q_{100} = (1.87)(0.00) + (2.60)(0.00) + (3.45)(0.28) + (5.02)(1.57) = 8.85$ cfs
DEVELOPED DISCHARGE:
 $Q_{100} = (1.87)(0.00) + (2.60)(0.00) + (3.45)(0.28) + (5.02)(1.57) = 8.85$ cfs

RESULTS:
DEVELOPED VOLUMETRIC RUNOFF:
14,771 - 14,771 = 0 cf DECREASE/INCREASE IN RUNOFF VOLUME
DEVELOPED PEAK DISCHARGE:
8.85 - 8.85 = 0 cfs DECREASE/INCREASE IN PEAK DISCHARGE



SITE VICINITY ZONE ATLAS PAGE L-18-Z
NTS

GENERAL NOTES

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2. ALL WORK ON THIS PLAN SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.
3. IF ANY UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES ARE SHOWN ON THESE DRAWINGS, THEY ARE SHOWN IN AN APPROXIMATE LOCATION ONLY, AND LINES MAY EXIST WHERE NONE ARE SHOWN, THE LOCATION IS BASED UPON INFORMATION PROVIDED BY THE UTILITY OWNER OR FROM EXISTING PLANS, AND THIS INFORMATION MAY BE INCOMPLETE, OR OBSOLETE AT THE TIME OF CONSTRUCTION. THE ENGINEER HAS NOT UNDERTAKEN ANY FIELD VERIFICATION OF THESE LOCATIONS, LINE SIZES OR MATERIAL TYPE, MAKES NO REPRESENTATION THEREOF, AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREFOR. THE CONTRACTOR SHALL INFORM ITSELF OF THE LOCATION OF ANY UTILITY LINE, PIPELINE OR UNDERGROUND INSTALLATION IN OR NEAR THE AREA IN ADVANCE OF AND DURING ANY EXCAVATION WORK. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES CAUSED BY ITS FAILURE TO LOCATE, IDENTIFY AND PRESERVE ANY AND ALL EXISTING UTILITIES, PIPELINES AND UNDERGROUND FACILITIES. IN PLANNING AND CONDUCTING EXCAVATIONS, THE CONTRACTOR SHALL COMPLY WITH ALL STATE STATUTES, MUNICIPAL AND LOCAL ORDINANCES, RULES AND REGULATIONS, IF ANY, PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES.
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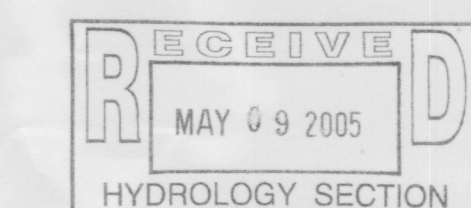
LEGAL DESCRIPTION

A PARCEL OF LAND BEING ALL OF LOTS 1 THROUGH 10
BLOCK 14 VIRGINIA PLACE ADDITION WITHIN SECTION 2,
TOWNSHIP 10 NORTH, RANGE 3 EAST, NEW MEXICO PRINCIPAL
MIDIAN. 1.85 ACRES MORE OR LESS.

BENCHMARK

A.C.S. BENCHMARK REFERENCE STA. '14-L18', CHISELED "□"
AT THE NNE CURB RETURN OF SAN PEDRO AND ROSS. STREETS.
ELEV=5308.428

APPROVALS	NAME	DATE
A.C.E. DESIGN		
INSPECTOR		
A.C.E. FIELD		



SCALE: 1"=20'

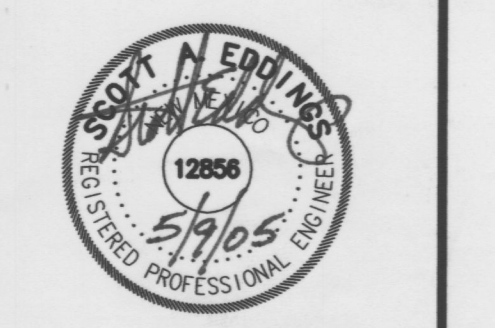
NO.	REVISION	DATE

Designed By: **HUITT-ZOLARS**
Huitt-Zolars, Inc.
833 Rio Rancho Drive NE, Suite 101
Rio Rancho, New Mexico 87124
Phone (505) 882-5441 Fax (505) 882-3529

Designed For: **GSL PROPERTIES, INC.**
6700-C JEFFERSON ST. NE SUITE 2
ALBUQUERQUE, NEW MEXICO 87109

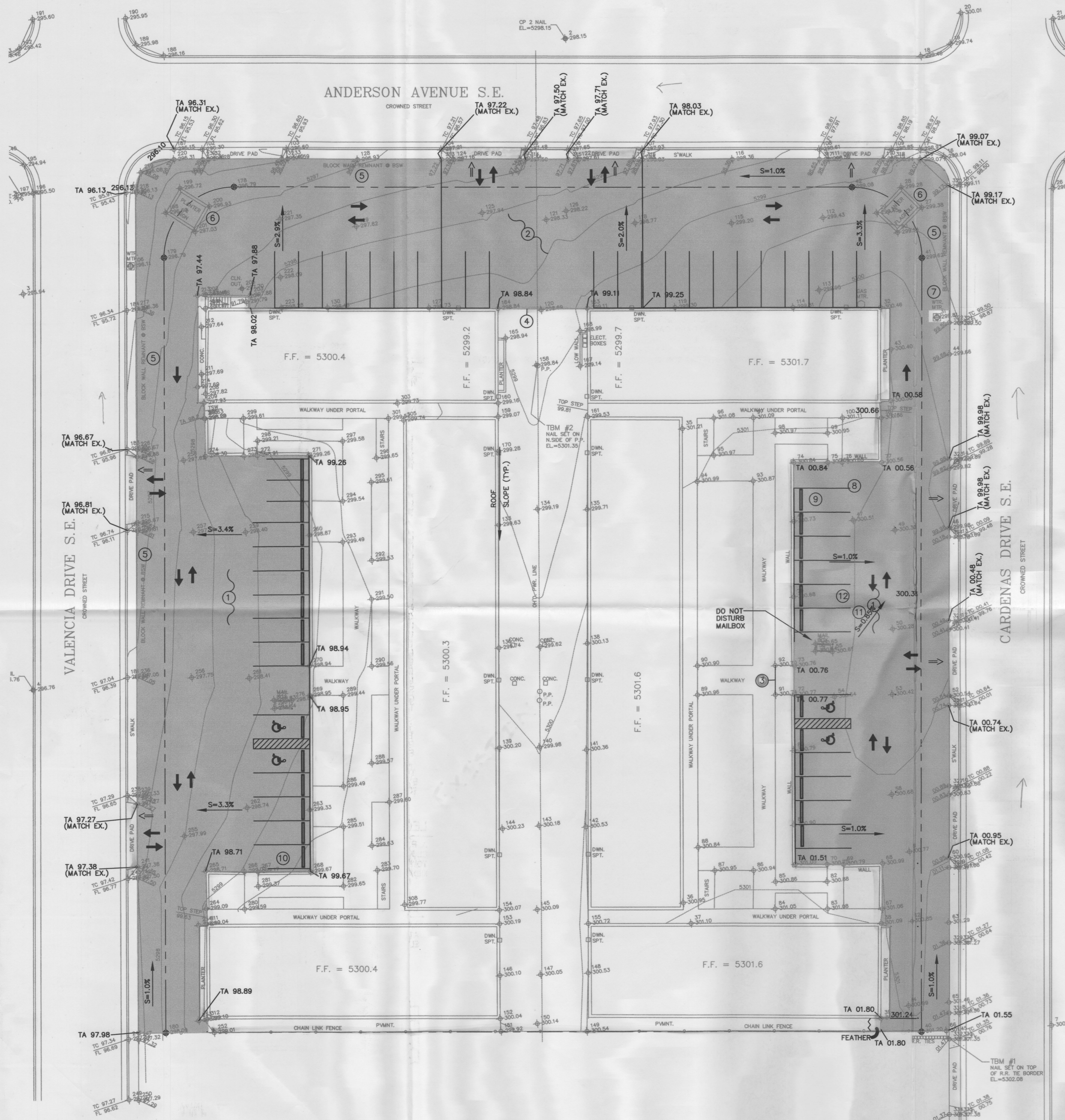
GRADING PLAN

EL PUEBLO APARTMENTS
ALBUQUERQUE, NEW MEXICO



DATE: MAY 9, 2005
DRAWN: JT
DESIGNED: DV
CHECKED: SE
PROJ. NO.: 17-0532-01

SHEET: 1



GRADING PLAN (01)
SCALE: 1"=20'

GENERAL LEGEND

EXISTING CONTOUR

PROPOSED SPOT ELEVATION
ADD 5100 TO SPOT ELEVATIONS

TOP OF ASPHALT

TOP BACK OF CURB

FLOWLINE ELEVATION

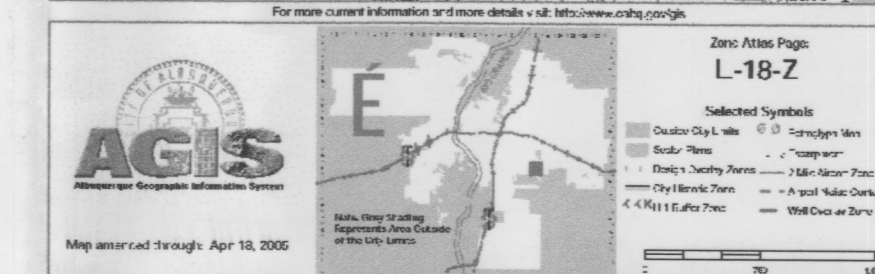
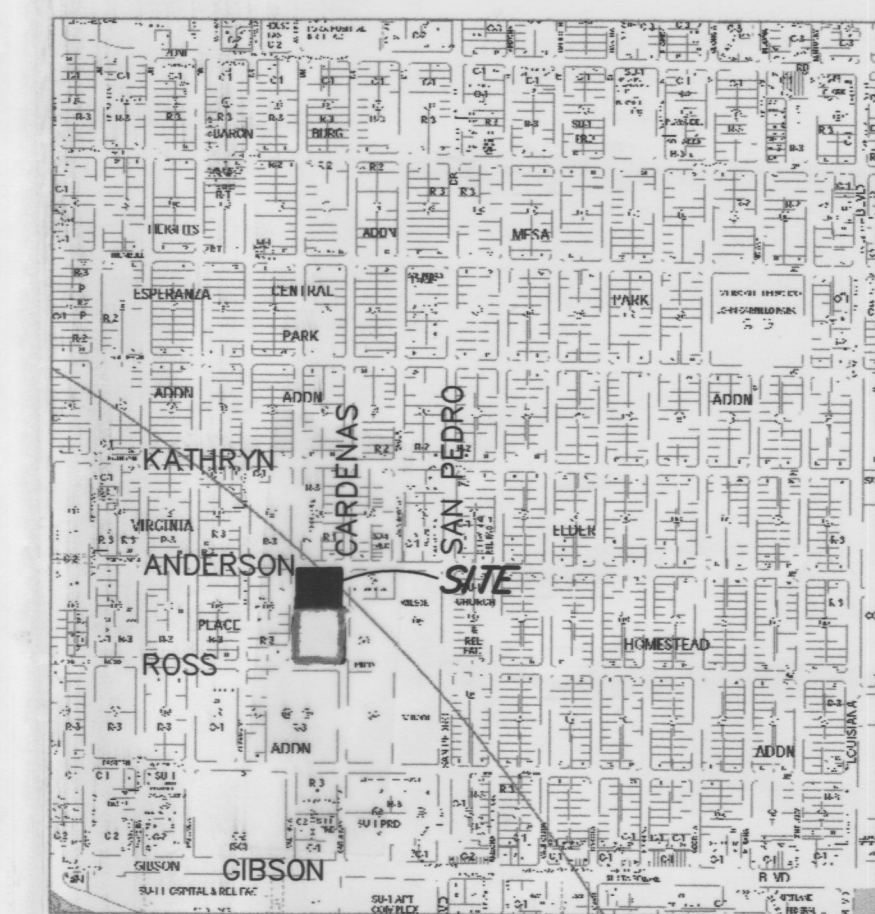
TOP OF SIDEWALK

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SITE VICINITY ZONE ATLAS PAGE L-18-Z

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BENCHMARK

A.C.S. BENCHMARK REFERENCE STA. "14-118", CHISELED "C" AT THE NNE CURB RETURN OF SAN PEDRO AND ROSS. STREETS. ELEV=5308.428

APPROVALS	NAME	DATE
A.C.E. DESIGN		
INSPECTOR		
A.C.E. FIELD		

SCALE: 1"=20'

NO.	REVISION	DATE

Designed By
HUITT-ZOLIARS
Huitt-Zoliars, Inc.
555 Rio Rancho Drive NE, Suite 201
Rio Rancho, New Mexico 87224
Phone (505) 892-5141 Fax (505) 892-3559
Designed For
GSL PROPERTIES, INC.
6700-C JEFFERSON ST. NE SUITE 2
ALBUQUERQUE, NEW MEXICO 87109

GRADING PLAN

EL PUEBLO APARTMENTS
ALBUQUERQUE, NEW MEXICO



DATE: APRIL 22, 2005
DRAWN: JT
DESIGNED: DV
CHECKED: SE
PROJ. NO.: 17-0532-01

SHEET: 1