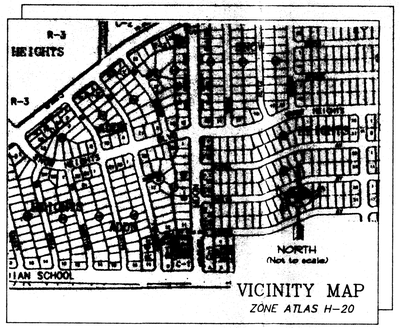

VICINITY MAP
ZONE ATLAS H-20

LEGAL DESCRIPTION

TRACK B-1, BLOCK 130
SNOW HEIGHTS ADDITION
ALBUQUERQUE, BERNALILLO COUNTY,
NEW MEXICO.

GENERAL NOTES:

1. An excavation/construction permit will be required before beginning any work within the City right-of-way. Approved copy of this plan must be submitted at the time of application for permit.
2. All work detailed in this plan to be preformed, except as otherwise stated or provided hereon, shall be constructed in accordance with City of Albuquerque Interim Standard Specification for Public Works Construction 1985.
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5. Backfill compaction shall be according to residential street use.
6. All work on this project shall be performed in accordance with applicable Federal, State and local laws, rules and regulations concerning construction safty and health.

EROSION CONTROL MEASURES:

THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR MANAGEMENT OF STORM RUNOFF DURING CONSTRUCTION; HE SHALL INSURE THAT THE FOLLOWING MEASURES ARE TAKEN:

- *ADJACENT PROPERTY SHALL BE PROTECTED AT ALL TIMES BY CONSTRUCTION OF BERMS, DIKES, SWALES, PONDS AND OTHER TEMPORARY GRADING AS REQUIRED TO PREVENT STORM RUNOFF TO LEAVE THE SITE AND ENTERING ADJACENT PROPERTY.*
- *ADJACENT PUBLIC RIGHT-OF-WAYS SHALL BE PROTECTED AT ALL TIMES FROM STORM WATER RUNOFF FROM THE SITE. NO SEDIMENT BEARING WATER SHALL BE PERMITTED TO ENTER THE PUBLIC STREETS.*
- *THE CONTRACTOR SHALL IMMEDIATELY AND THOROUGHLY REMOVE ANY OR ALL SEDIMENT WITHIN THE PUBLIC STREETS THAT HAVE BEEN ERODED FROM THE SITE AND DEPOSITED THERE.*

BENCH-MARK INFORMATION

TEMPORARY BENCH-MARK BEING THE FINISH FLOOR ELEVATION OF EXISTING BUILDING BEARING ELEVATION 5421.39 MSL REFERENCE TO CITY BENCH-MARK 9-H20, LOCATED AT THE OF MOON & INDAIN SCHOOL BEARS ELEVATION 5419.28(MSL).

DRAINAGE CALCULATIONS

I. REFERENCES:
- A. 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.
- B. FLOODWAY, FLOOD BOUNDARY AND FLOODWAY MAP, CITY OF ALBUQUERQUE, NEW MEXICO, PANEL 24 OF 50.
- C. ZONE ATLAS PAGE H-20-Z.

II. GENERAL INFORMATION:
- A. SITE LIES IN ZONE THREE(3) (SEE REF. A, PAGE A-1)
- B. 100 YEAR, 6 HOUR RAINFALL CRITERIA
- C. TIME OF CONCENTRATION, Tc; Tc = 0.2 hr(12 MINUTES).

III. IMPERVIOUSNESS:

TREATMENT TYPE	TYPES OF SURFACES	EXISTING SQ.FT	EXISTING ACRES	PROPOSED SQ.FT	PROPOSED ACRES
A	UNDEVELOPED	0	0.0000	0	0.0000
B	LANDSCAPING	0	0.0000	5,530	0.1270
C	COMPACTED/VACANT	0	0.0000	0	0.0000
D	IMPERVIOUS	24,356	0.5591	18,826	0.4322
	TOTAL AREA (TA)	24,356	0.5591	24,356	0.5591

IV. PEAK DISCHARGE 100 YEAR (REF. A, TABLE A-9):

TREATMENT TYPE	TYPES OF SURFACES	EXISTING CFS/Ac	EXISTING Qp(100)	PROPOSED CFS/Ac	PROPOSED Qp(100)
A	UNDEVELOPED	1.87	0.00	1.87	0.00
B	LANDSCAPING	2.60	0.00	2.60	0.33
C	COMPACTED/VACANT	3.45	0.00	3.45	0.00
D	IMPERVIOUS	5.02	2.81	5.02	2.17
	PEAK DISCHARGE FROM SITE		2.81 CFS		2.50 CFS

V. PEAK DISCHARGE 10 YEAR (REF. A, TABLE A-9):

TREATMENT TYPE	TYPES OF SURFACES	EXISTING CFS/Ac	EXISTING Qp(10)	PROPOSED CFS/Ac	PROPOSED Qp(10)
A	UNDEVELOPED	0.58	0.00	0.58	0.00
B	LANDSCAPING	1.19	0.00	1.19	0.15
C	COMPACTED/VACANT	2.00	0.00	2.00	0.00
D	IMPERVIOUS	3.39	1.90	3.39	1.47
	PEAK DISCHARGE FROM SITE		1.90 CFS		1.62 CFS

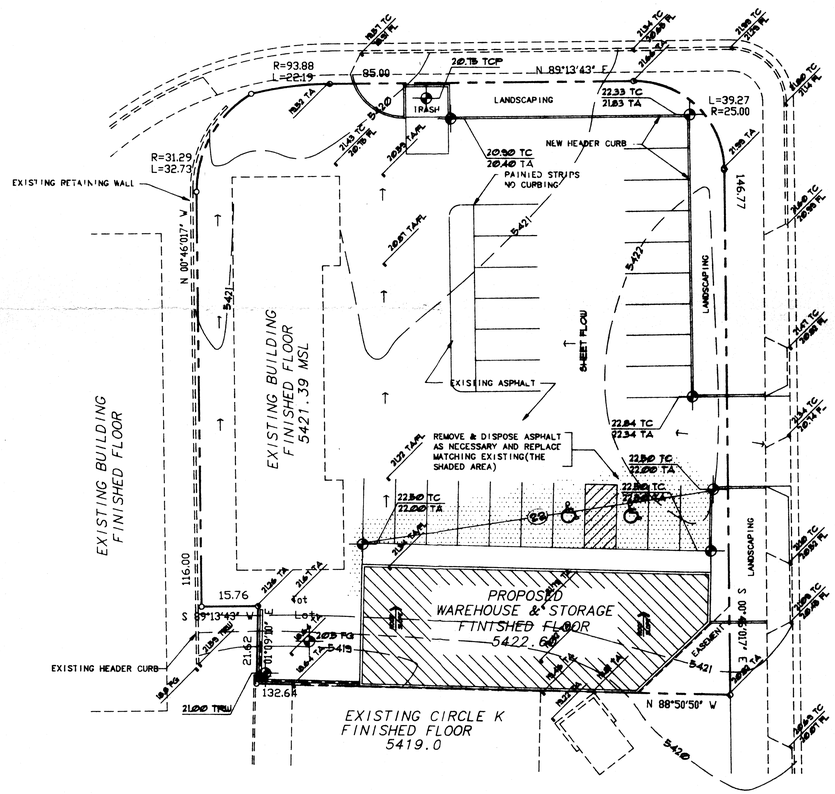
VI. WEIGHTED "E" 100 YEAR, 6 HR. (REF. A, TABLE A-8):

TREATMENT TYPE	TYPES OF SURFACES	EXISTING E	EXISTING E x A/TA	PROPOSED E	PROPOSED E x A/TA
A	UNDEVELOPED	0.66	0.00	0.66	0.00
B	LANDSCAPING	0.92	0.00	0.92	0.21
C	COMPACTED/VACANT	1.29	0.00	1.29	0.00
D	IMPERVIOUS	2.36	2.36	2.36	1.82
	WEIGHTED "E" FACTOR		2.36 IN		2.03 IN

VI. VOLUME 100 YEAR, V(360) (REF. A, TABLE A-8):

EXISTING 2.36 x 0.5591/12 = 0.1100 AC. FT.
= 4,790 CU.FT

PROPOSED 2.03 x 0.5591/12 = 0.0947 AC. FT.
= 4,126 CU.FT

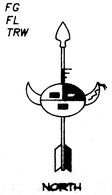


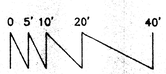
SYMBOL LEGEND

- EXISTING CONTOUR — 5102
- PROPOSED CONTOUR — (52)
- ASBUILT SPOT ELEVATION — 6630 TC (52)
- PROPERTY LINE
- EASEMENT LINE
- FLOW DIRECTION
- EXISTING SPOT ELEVATION — 102
- NEW RETAINING WALL

ABBREVIATION LEGEND

TOP OF CONC PAD	TCP
TOP OF CURB	TC
TOP OF ASPHALT	TA
FINISHED GRADE	FG
FLOWLINE	FL
TOP OF RET WALL	TRW





GRADING & DRAINAGE PLAN SCALE: 1"=20.0'

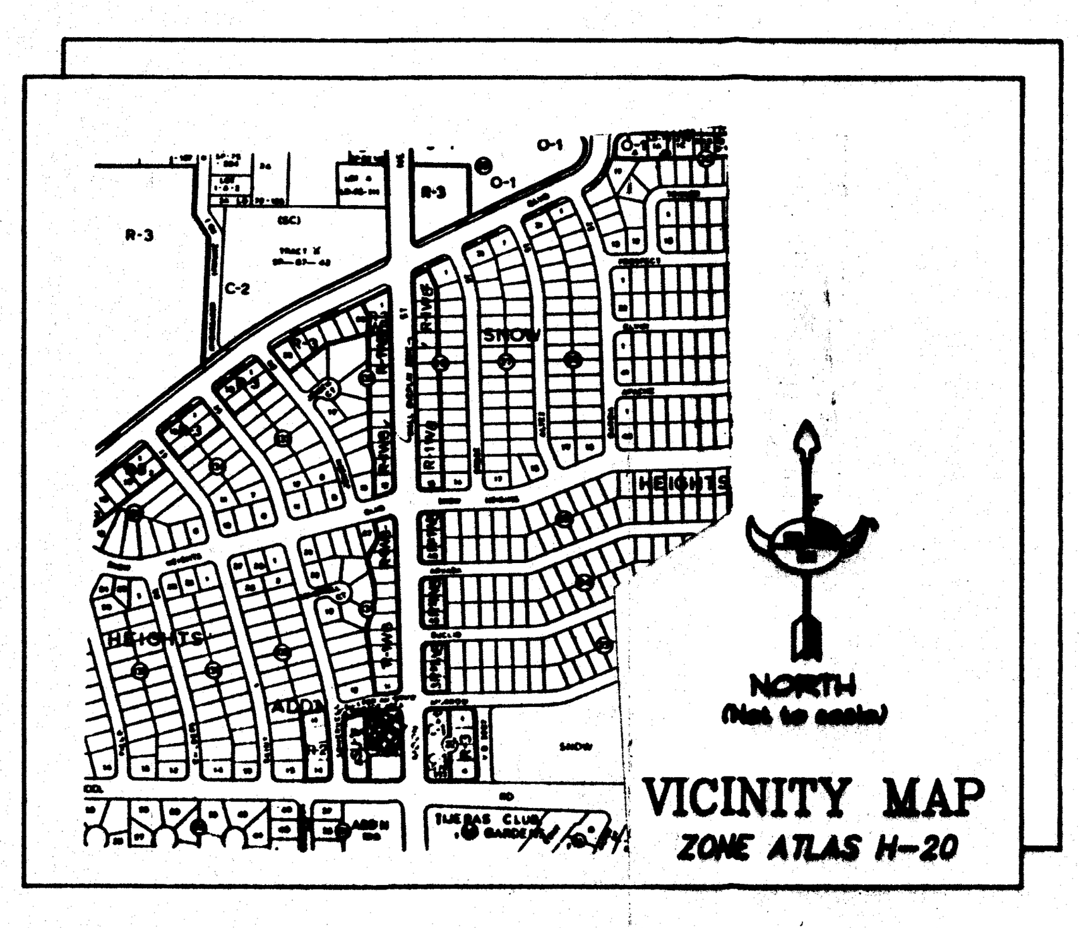
Job Number 9624
Date April 15, 1996
Revised

Sheet Title: GRADING & DRAINAGE PLAN
Drawn by HJHOOD
Checked by RG LEE, JR.

MILLER and ASSOCIATES
2525 Richmond, N.E.
ALBUQUERQUE, NEW MEXICO

Job Title: PROPOSED OFFICE BUILDING FOR RON WORLEY

Sheet Number: C1



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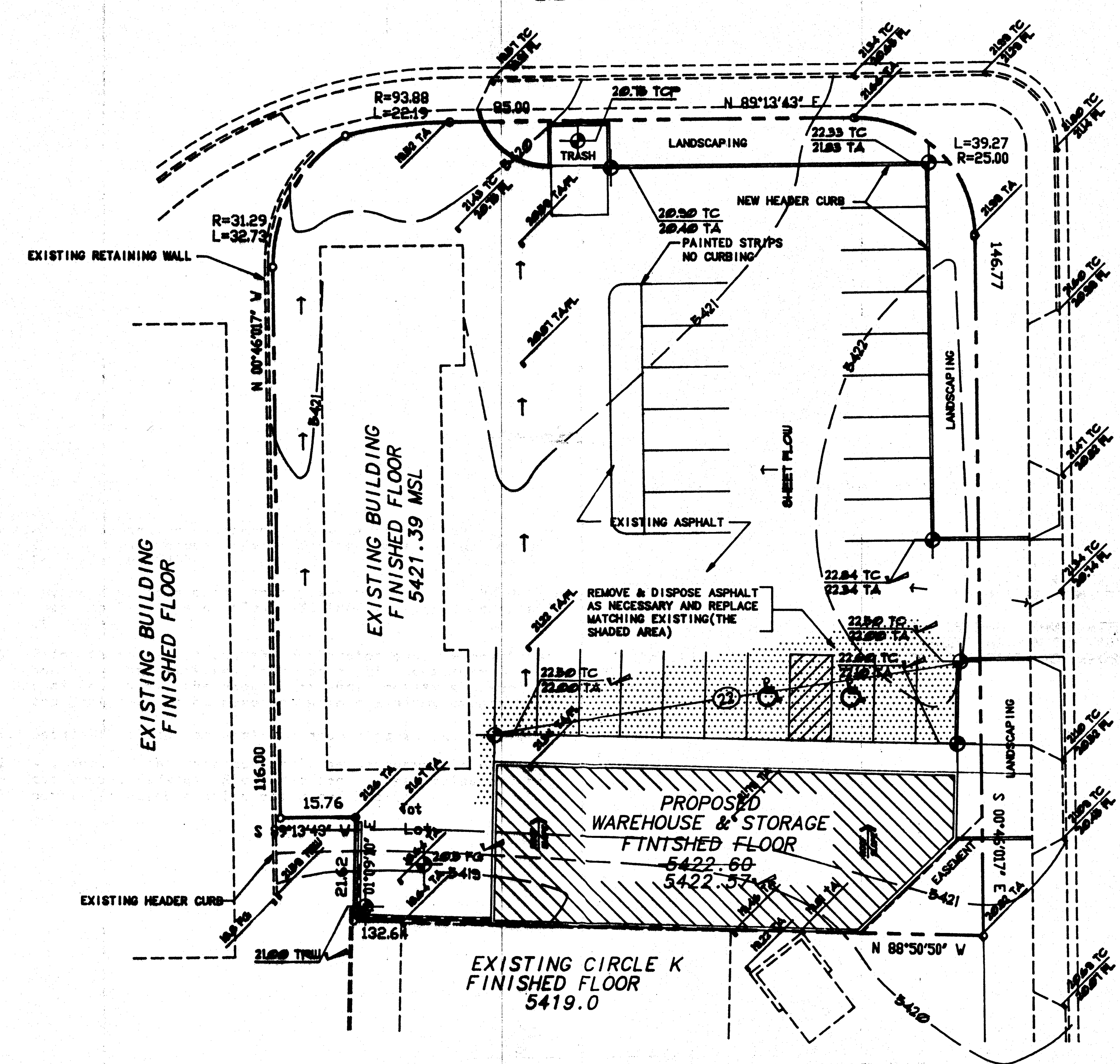

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FLOWLINE	*FL*
TOP OF RET WALL	*TRW*

CERTIFICATION

I, R.G Lee, Jr. Registered Professional Engineer hereby certify the improvements shown hereon are in substantial compliance with the approved drainage plan.

R.G LEE, JR. 9/24/96
Date

AS-BUILT GRADING & DRAINAGE PLAN

SCALE: 1"=20.0'

0 5' 10' 20' 40'

NORTH

R.G. LEE, JR. NEW MEXICO 1672 REGISTERED PROFESSIONAL ENGINEER

Job Number 9624
Date April 15, 1996
Revised SEPTEMBER 23, 1996

Sheet Title: GRADING & DRAINAGE PLAN
Drawn by MHOOD Checked by RG LEE, JR.

MILLER and ASSOCIATES — 2923 Richmond, N. E. ALBUQUERQUE, NEW MEXICO

Job Title: PROPOSED OFFICE BUILDING FOR ROB WORLEY

Sheet Number of