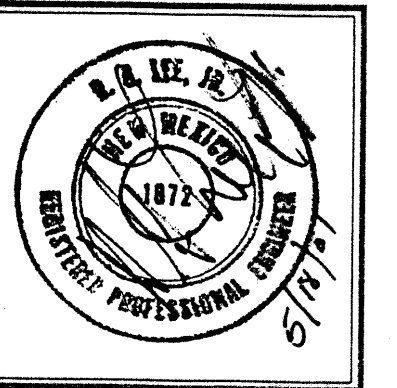


GRADING/PAVING PLAN FOR 4900 JEFFERSON ST. N.E.



HYDROLOGY SECTION
REG. JUN 1 8 2001

JOB NO.	
DATE:	JUNE 2001
REVISIONS	

Sheet Title
GRADING & PAVING PLAN
Drawn By: BJM
Checked By:

BJM DEVELOPMENT CONSULTANT
DESIGN - PLANNER
Albuquerque, New Mexico

Project Name
4900 JEFFERSON ST. N.E.
ALBUQUERQUE, NEW MEXICO

SHEET NO.
GP
1

GRADING/PAVING PLAN

THE FOLLOWING ITEMS CONCERNING (4900 JEFFERSON STREET N.E.) LOT B, PORTION OF THE ELENA GALLEGOS LAND GRANT, BERNALILLO COUNTY, ALBUQUERQUE NEW MEXICO ARE CONTAINED HEREON:

EXISTING CONDITIONS

AS SHOWN BY THE VICINITY MAP, THE SITE CONTAINS 5.38 ACRES AND IS LOCATED AT THE NORTHEAST CORNER OF THE INTERSECTION OF JEFFERSON ST. N.E. AND McLEOD RD. N.E.. THE SITE IS COMPLETELY DEVELOPED WITH OFFICE/WAREHOUSE BUILDINGS, PAVED PARKING AND LANDSCAPED AREAS. ACCORDING TO THE FLOOD INSURANCE RATE MAP, PANEL 0139D, DATED SEPTEMBER 20,1996, THE SITE IS NOT LOCATED WITHIN A DESIGNATED FLOOD ZONE NOR DOES IT CONTRIBUTE TO ANY DOWNSTREAM FLOODING.

PROPOSED CONDITIONS

AS SHOWN BY THE GRADING/PAVING PLAN, THE PROJECT WILL CONSIST OF PULVERIZATION OF THE EXISTING ASPHALT PAVED AREAS. THE EXISTING ASPHALT WILL BE REPLACED WITH NEW ASPHALT PAVING AT OR CLOSE TO THE EXISTING GRADES. NO INCREASE IN RUN-OFF WILL OCCUR. THE RUN-OFF WILL CONTINUE TO FOLLOW THE SAME CONCEPT AS APPROVED ON THE ORIGINAL DRAINAGE PLAN.

JEFFERSON & McLEOD
ZONE 2
PRECIPITATION: 360= 2.35in.
1440= 2.75in.
10day= 3.95in.

EXCESS PRECIPITATION:		PEAK DISCHARGE:
TREATMENT A	0.53in.	1.56 cfs/ac.
TREATMENT B	0.78in.	2.28 cfs/ac.
TREATMENT C	1.13in.	3.14 cfs/ac.
TREATMENT D	2.12in.	4.70 cfs/ac.

EXISTING CONDITIONS:		PROPOSED CONDITIONS:
TREATMENT A	0ac.	0ac.
TREATMENT B	0ac.	0ac.
TREATMENT C	0.32ac.	0.32ac.
TREATMENT D	5.07ac.	5.07ac.

EXISTING EXCESS PRECIPITATION:

$$\text{Weighted E} = (0.53) \times (0.00) + (0.78) \times (0.00) + (1.13) \times (0.32) + (2.12) \times (5.07) / 5.39 \text{ ac.} = 2.06$$
$$V_{100-360} = (2.06) \times (5.39) / 12 = 0.9258 \text{ ac-in} = 40329 \text{ cf}$$

EXISTING PEAK DISCHARGE:

$$Q_{100} = (1.56) \times (0.00) + (2.28) \times (0.00) + (3.14) \times (0.32) + (4.70) \times (5.07) = 24.83 \text{ CFS}$$

PROPOSED EXCESS PRECIPITATION:

$$\text{Weighted E} = (0.53) \times (0.00) + (0.78) \times (0.00) + (1.13) \times (0.32) + (2.12) \times (5.07) / 5.39 \text{ ac.} = 2.06$$
$$V_{100-360} = (2.06) \times (5.39) / 12.0 = 0.9258 \text{ ac-in} = 40329 \text{ cf}$$

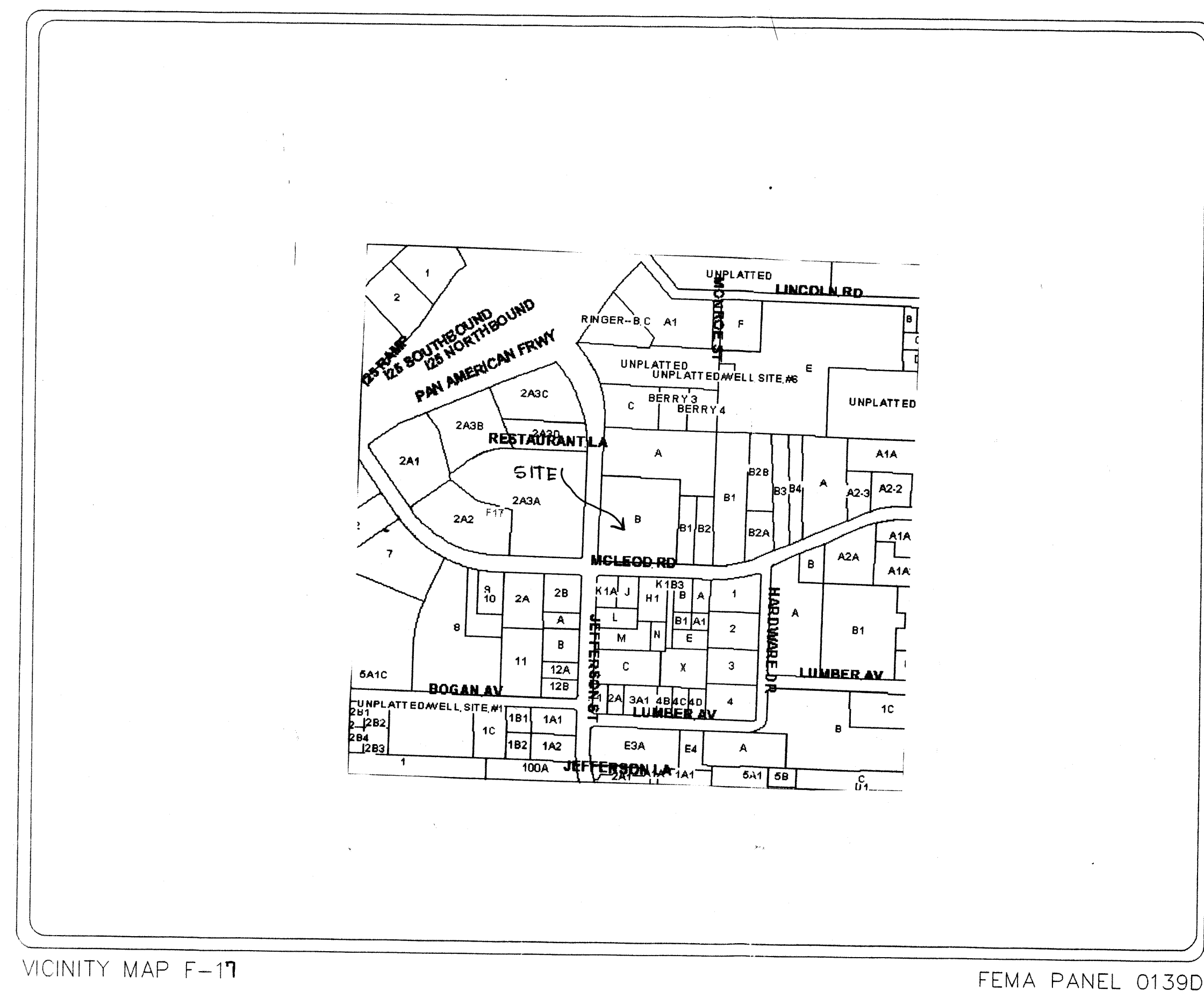
$$V_{100-1440} = (0.93) + (5.07) \times (2.75 - 2.35) / 12 = 1.0948 \text{ ac-in} = 47691 \text{ cf}$$

$$V_{100-10 \text{ day}} = (0.93) + (5.07) \times (3.95 - 2.35) / 12 = 1.6018 \text{ ac-in} = 69776 \text{ cf}$$

PROPOSED PEAK DISCHARGE:

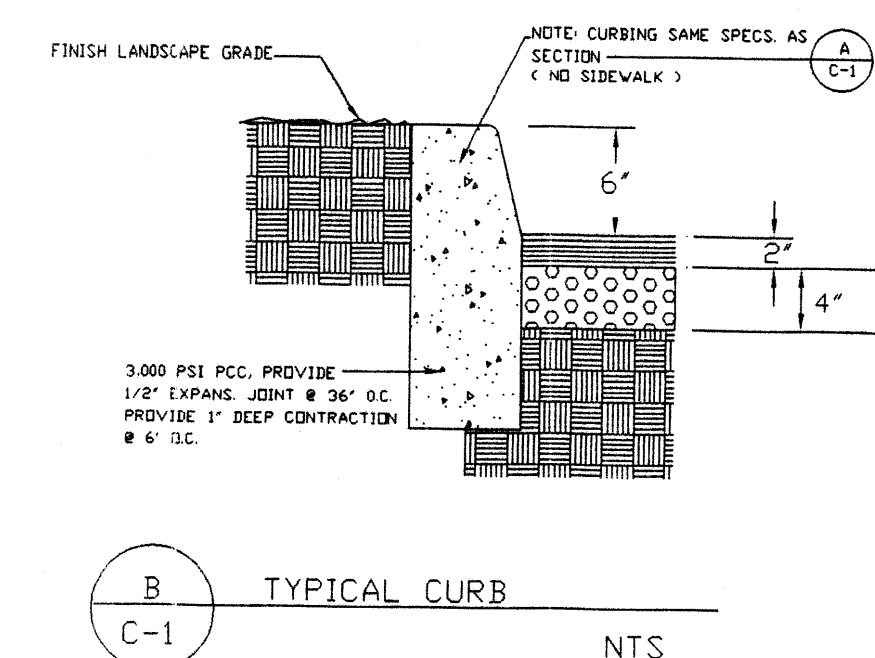
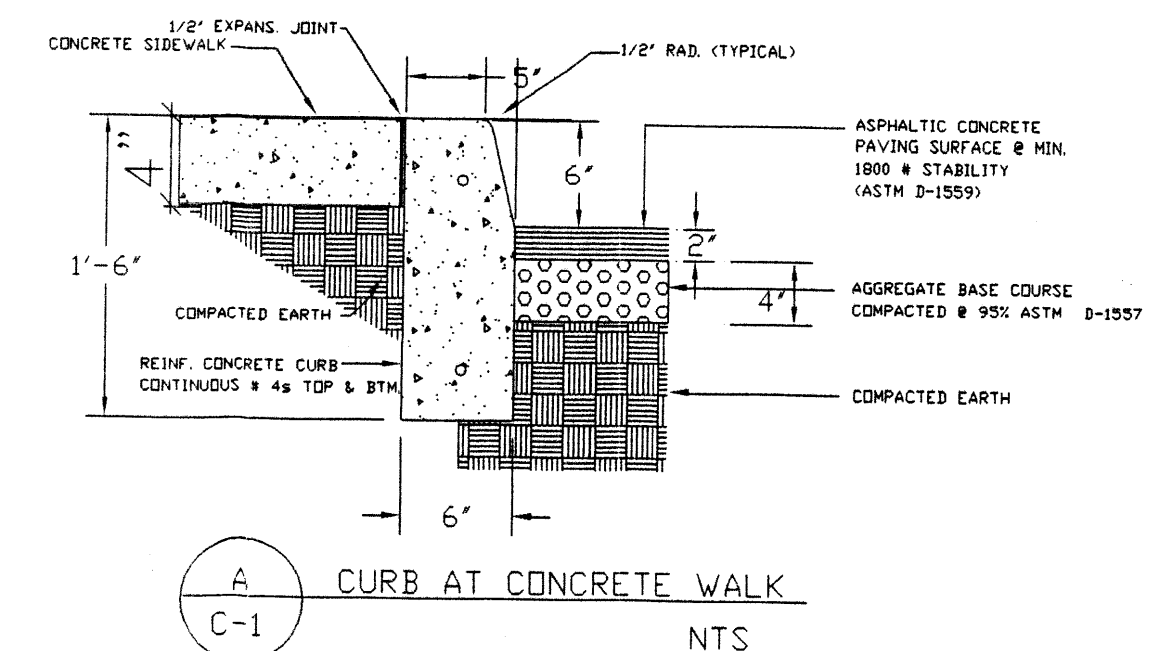
$$Q_{100} = (1.56) \times (0.00) + (2.28) \times (0.00) + (3.14) \times (0.32) + (4.70) \times (5.07) = 24.83 \text{ CFS}$$

$$\text{INCREASE } 24.83 \text{ CFS} - 24.83 \text{ CFS} = 0.00 \text{ CFS}$$



VICINITY MAP F-17

FEMA PANEL 0139D



GRADING & PAVING PLAN

Scale 1"=30'-0"

NOTE TO CONTRACTOR

- 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.
- All work detailed in this plan to be performed, except as otherwise stated or provided hereon, shall be constructed in accordance with City of Albuquerque Standard Specification for Public Works Construction.
- Two working days prior to any excavation, contractor must contact line locating Services at (505) 260-1990 for locating existing utilities.
- Prior to construction, the contractor shall excavate and verify the horizontal and vertical location of all construction. Should a conflict exist, the contractor shall notify the engineer so that the conflict can be resolved with a minimum amount of delay.
- Backfill compaction shall be according to residential use.
- All work on this project shall be performed in accordance with applicable Federal, State and local laws, rules and regulations concerning construction safety and health.

LEGAL

LOT B
PORTION OF ELENA-GALLEGOS GRANT
BERNALILLO COUNTY
ALBUQUERQUE, NEW MEXICO
UPC# 1-009-057-390-050-40301

BENCHMARK

"ACS" 12-F18
ELEVATION: 5213.32
T.B.M. SEE PLAN DRAWING
ELEVATION: 5168.10

4 9 0 0 J E F F E R S O N S T R E E T N E

M C L E O D R O A D N E

T R A C T B 1
R I N G E R A D D I T I O N

LEGEND:

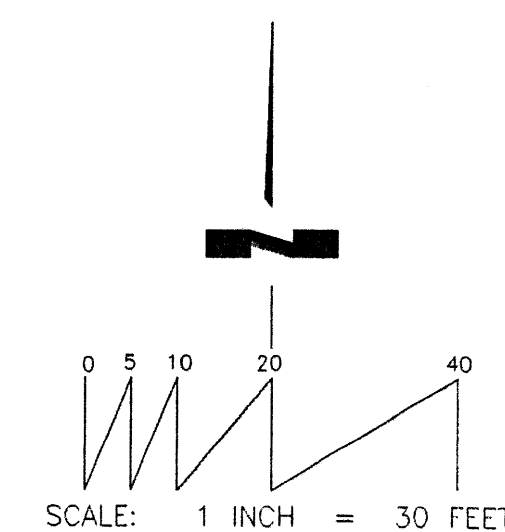
- ▲ F.H.D. FIRE HYDRANT
● P.P. OVERHEAD UTILITY POLES
▼ ANCH. POLE ANCHOR
◆ L.P. LIGHT POLE
- SPOT ELEVATION
UNLESS OTHERWISE INDICATED, SPOT ELEVATIONS ARE TO TOP OF PAVEMENT
- EA EDGE OF ASPHALT
TA TOP OF ASPHALT ELEVATION
FL FLOW LINE
TW TOP OF WALK OR WALL

- FLOWLINE
— ASPHALT ROLL DIVERTER
— OVERHEAD ELECTRIC AND TELEPHONE LINE(S)
5096 EXISTING CONTOURS @ 1 FT. INTERVALS
5090 INDEX CONTOURS @ 5' INTERVALS

- 1 No boundary survey was performed.
- 2 Basis of elevations: ACS STA. 12-F18
ELEV. 5213.32 (NGVD 29)
- 3 TBM
"+" Chiseled on Sidewalk at Southeast property corner
ELEV. 5168.10

Tract lettered "B" as shown on the Summary Plot of a Tract of Land Within Elena Gallegos Grant, Albuquerque, New Mexico, filed in the office of the County Clerk of Bernalillo County, New Mexico on December 24, 1975 in Vol. C-10, folio 199.

The above described property is located within Zone "X", Community Panel No. 350002 0139 D, dated September 20, 1996, and is not located within a Special Flood Hazard Boundary indicated by FEMA Flood Insurance Rate Maps. Determination of Flood Hazard is by graphic plotting only.



JOB NO:	
DATE:	JUNE 2001
REVISIONS	

Sheet Title	GRADING & PAVING PLAN
Drawn By: BJM	Checked By:

BJM DEVELOPMENT CONSULTANT
4409 KARROL RD. S.W.
Albuquerque, New Mexico

Project Name	4900 JEFFERSON ST. N.E.
	ALBUQUERQUE, NEW MEXICO

SHEET NO.	GP
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