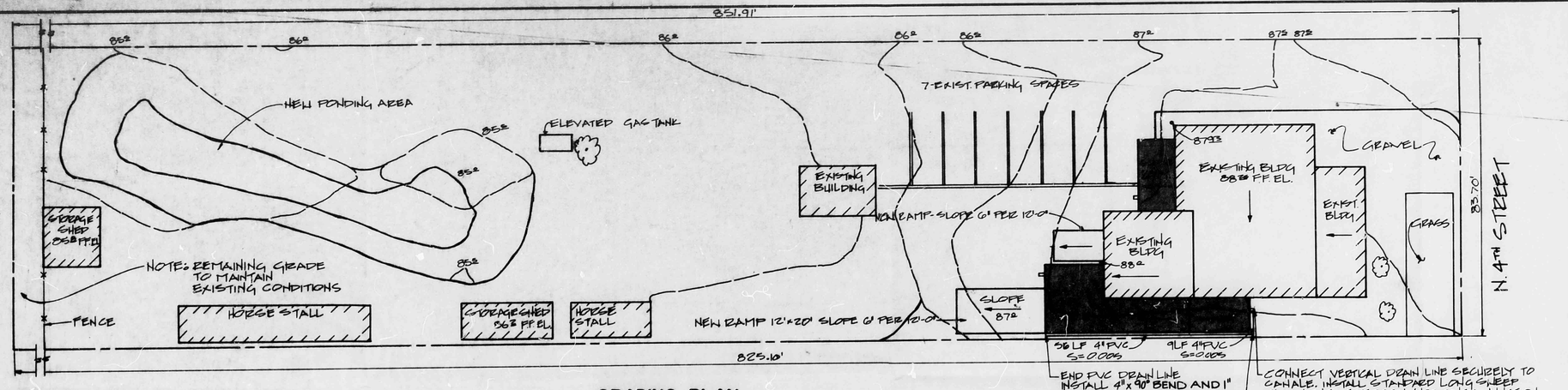
HYDROLOGY

D15/D4
2 PLANS

D15/D6

2 PLANS

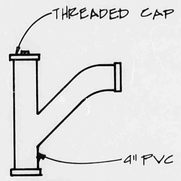


GRADING PLAN
SCALE: 1/16"=1'-0"

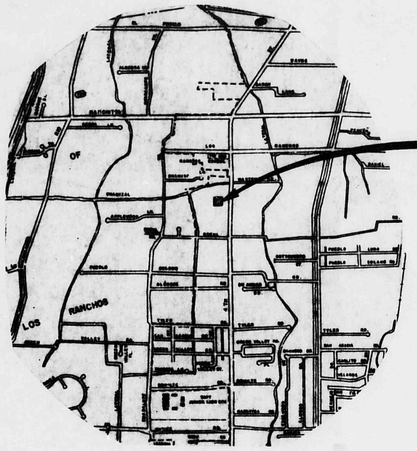
—— PROPOSED
- - - EXISTING
—·— PROPERTY LINE
■ PROPOSED ADDITION
▨ EXISTING BUILDINGS

NORTH VALLEY ANIMAL CLINIC SITE

EXCERPT FROM BERNALILLO COUNTY SOIL SURVEY-MAP II
SOIL TYPES VbA AND Gb
CLASSIFICATION SOIL TYPE B
NO SCALE

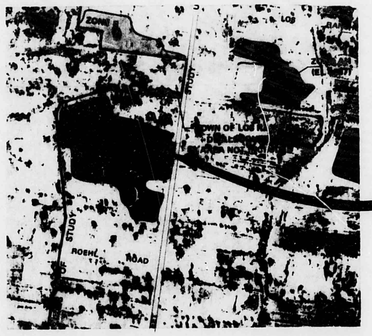


LONG SWEEP CLEAN-OUT DETAIL
NO SCALE



NORTH VALLEY ANIMAL CLINIC

LOCATION MAP
NO SCALE



NORTH VALLEY ANIMAL CLINIC SITE

EXCERPT FROM FLOOD INSURANCE RATE MAP
(PANEL 9 OF 50)
SITE LOCATED IN ZONE AH (EL. 4987)
NO SCALE

SUMMARY OF CALCULATIONS

	EXISTING	NEW
Building and Asphalt Area (Cn = 85)	0.24 Ac.	0.27 Ac.
Planter Area (Cn = 85)	0.06 Ac.	0.06 Ac.
Hard Packed Soil Area (Cn = 82)	1.31 Ac.	1.28 Ac.
100 Year Runoff Rate	6.29 CFS	6.35 CFS
10 Year Runoff Rate	4.13 CFS	4.18 CFS
100 Year Runoff Volume	0.525 Ac.ft.	0.530 Ac.ft.
10 Year Runoff Volume	0.344 Ac.ft.	0.347 Ac.ft.

The volume of water displaced by the building and ramp additions is approximately 900 CF. The ponding area created on the west end of the property compensates for this volume and for the increased runoff by holding approximately 1400 CF of water.

The flooding elevation is shown to be 4987. The addition matches the existing building at an elevation of 4988.25 thus satisfying county criteria of being at or above flood level.

Legal Description: Lots numbered One (1), Two (2), and Three (3) of the Wershaw Replat of Tract 134-B, M.R.G.C.D. Map 27, Bernalillo County, New Mexico

THE SITE WAS INSPECTED, AND TO THE BEST OF OUR KNOWLEDGE AND BELIEF WAS FOUND IN SUBSTANTIAL COMPLIANCE WITH THE APPROVED DRAINAGE REPORT AND PLAN

REGISTERED PROFESSIONAL ENGINEER NO. 6410

RECEIVED JUN 23 1987 HYDROLOGY SECTION

BERNALILLO COUNTY BUILDING PERMIT NO. BP-86-178

NORTH VALLEY ANIMAL CLINIC
7401 NORTH 4th ST.

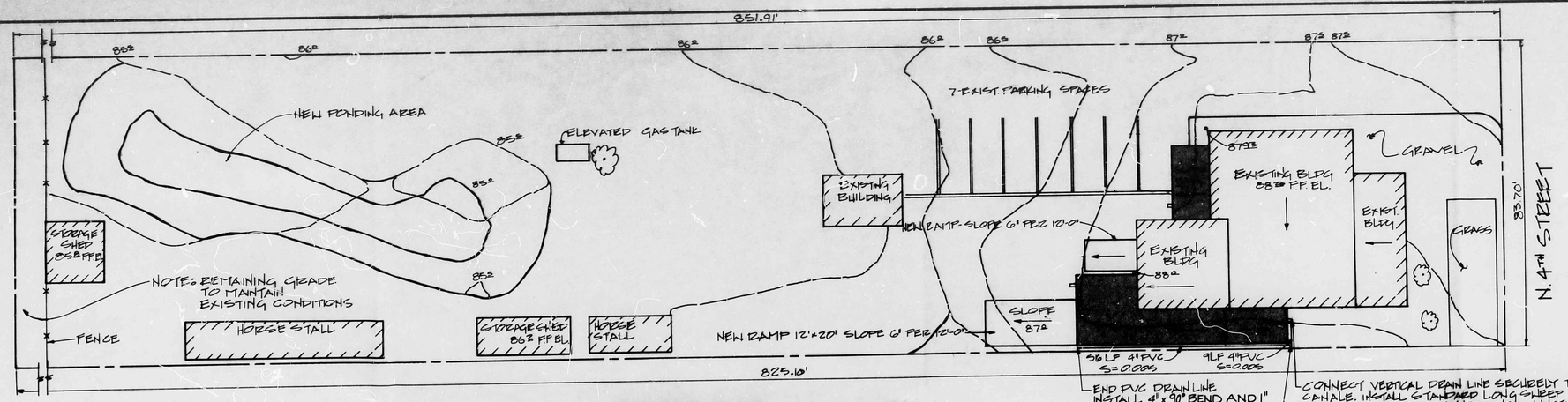
DRAINAGE PLAN
ENGINEER'S CERTIFICATION

DRAWN BY	P.S., J.S.I.
DATE	2-26-86
SCALE	AS SHOWN

GORDON HERKENHOFF & ASSOCIATES, INC.
ENGINEERS ARCHITECTS PLANNERS
ALBUQUERQUE SANTA FE

SHEET 1 OF 1

BRUNING 34326



GRADING PLAN
SCALE: 1/16" = 1'-0"

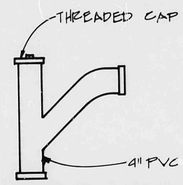
—— PROPOSED
- - - EXISTING
—·— PROPERTY LINE
■ PROPOSED ADDITION
▨ EXISTING BUILDINGS

N

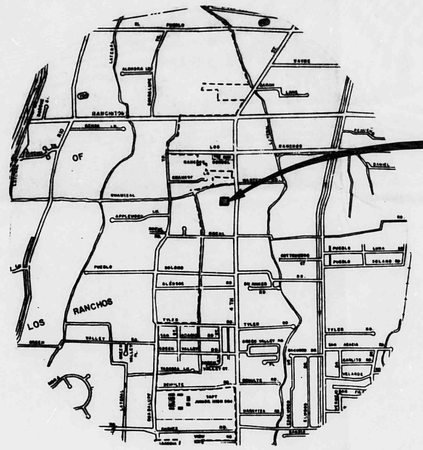
NORTH VALLEY ANIMAL CLINIC SITE

N

EXCERPT FROM BERNALILLO COUNTY SOIL SURVEY-MAP 11
SOIL TYPES VbA AND Gb
CLASSIFICATION SOIL TYPE B
NO SCALE



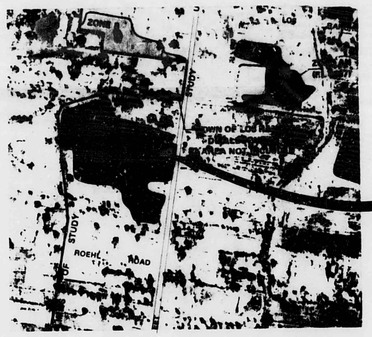
LONG SWEEP CLEAN-OUT DETAIL
NO SCALE



NORTH VALLEY ANIMAL CLINIC

LOCATION MAP
NO SCALE

N



NORTH VALLEY ANIMAL CLINIC SITE

EXCERPT FROM FLOOD INSURANCE RATE MAP
(PANEL 9 OF 50)
SITE LOCATED IN ZONE AH (EL. 4987)
NO SCALE

N

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RECEIVED JUN 03 1987 HYDROLOGY SECTION

THE SITE WAS INSPECTED, AND TO THE BEST OF OUR KNOWLEDGE AND BELIEF WAS FOUND IN SUBSTANTIAL COMPLIANCE WITH THE APPROVED DRAINAGE REPORT AND PLAN

Clinton Dodge 7/9/86

REGISTERED PROFESSIONAL ENGINEER NO. 6410

BERNALILLO COUNTY BUILDING PERMIT NO. BP-86-178

NORTH VALLEY ANIMAL CLINIC
7401 NORTH 4th ST.

DRAINAGE PLAN
ENGINEER'S CERTIFICATION

DRAWN BY	P.S., J.S.I.
DATE	2-26-86
SCALE	AS SHOWN

GORDON HERKENHOFF & ASSOCIATES, INC.
ENGINEERS ARCHITECTS PLANNERS
ALBUQUERQUE SANTA FE

SHEET 1 OF 1

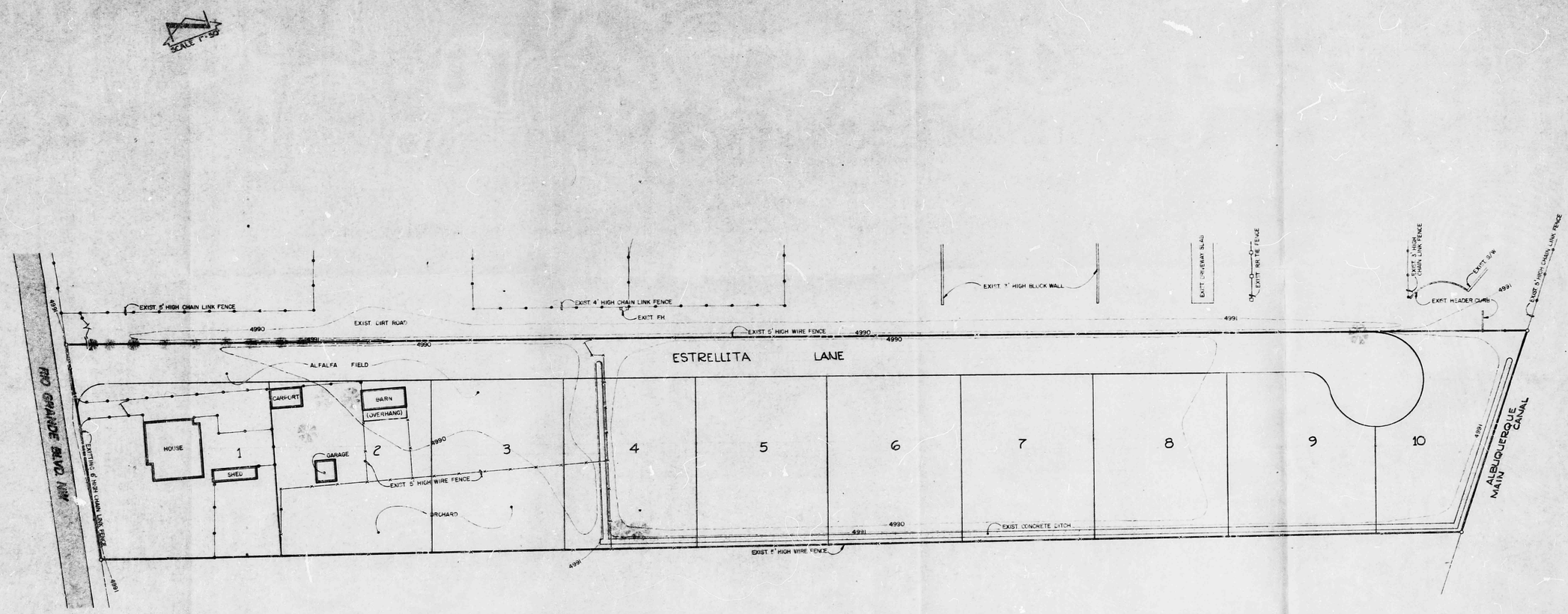
BRINING 34326

HYDROLOGY

C15/D1
ONE PLAN

C15-D1

1 PLAN



C15/D1

FIGURE 2

JOB No. 1-053